

Scoring Matrix Dual Band Subscriber Units

Instructions:

Evaluate each criteria for radios within each of the streams being bid on (single band, dual band, multiband, DVRS)
 For Dual band radios, each bid should have one radio submission for each dual band pair (7/800-UHF, UHF/VHF and 7/800-VHF)
 and as such, each dual band pair is assessed individually according to the criteria in section 8 below. Other sections are evaluated
 as a collective group.

Comparitive scores will be calculated as per the following:

If there is a comparative score to be evaluated, SUs from each respondent are scored against all other SUs section in the proposed band(s). The score(s) for each respondent is/are ranked highest to lowest based on value provided (related to the spec) and then compared amongst each other to provide a comparative score. This ensures that the total points awarded consistently across bids, radio types and streams.

Section 8 Scoring Examples

Dual Band:

Ex 1. Preferably should exceed Inter modulation rejection -75 dB

$$\text{Inter Modulation rejection Points Awarded} = \text{Max Points} \times \left\{ \frac{(\text{InterMod}_{\text{Rated SU}} - \text{InterMod}_{\text{Least Reject. SU}})}{(\text{InterMod}_{\text{MostReject. SU}} - \text{InterMod}_{\text{Least Reject. SU}})} \right\}$$

Fill in the values as appropriate in the red outlined boxes

6 Mandatory General Equipment Specifications

6.7 Quality

6.7.1.1	Offeror should be certified ISO 27001	<p>20 points awarded to the vendor which is certified ISO 27001</p> <p>0 points awarded to the vendor which is not certified ISO 27001</p>		
Article Score (Max 20 points)			=	20

6.8 Licenses

6.8.1.1	Radio equipment should have the capability to have their options and features be able to be transferred to another radio of same make and model during the minimum useful lifespan of the original radio.	<p>12 points awarded if the radio has the capability to have their options and features transferred to another radio of the same make and model during the useful lifespan of the original radio</p> <p>6 points awarded if the radio has the capability to have their options and features transferred to only a direct replacement radio either under warranty or paid repair</p> <p>0 points awarded if the radio does not have the capability of transferring their options and features to another radio or replacement radio</p>	
Article Score (Max 12 points)		=	12

6.8.2	<p>Excluding new features or capabilities, Offeror should indicate if the proposed radio equipment is eligible for firmware/software upgrades at no cost to the Authorised User for the lifecycle of the radio.</p>	<p>18 points awarded if the proposed radio equipment is eligible for firmware/software upgrades at no cost to the Authorised User for the lifecycle of the radio</p> <p>0 points awarded if the proposed radio equipment is eligible for firmware/software upgrades at no cost to the Authorised User for less than the lifecycle of the radio</p> <p>Points will be awarded for each piece of radio equipment. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p> <table border="1" data-bbox="651 520 1252 703"> <tr> <td>Portable Score</td> <td>=</td> <td>18</td> </tr> <tr> <td>Mobile Score</td> <td>=</td> <td>18</td> </tr> <tr> <td>Desk Mounted Score</td> <td>=</td> <td>18</td> </tr> <tr> <td colspan="3" style="text-align: center;">(Portable + Mobile + Desk) / 3</td> </tr> <tr> <td>Article Score (Max 18 points)</td> <td>=</td> <td></td> </tr> </table>	Portable Score	=	18	Mobile Score	=	18	Desk Mounted Score	=	18	(Portable + Mobile + Desk) / 3			Article Score (Max 18 points)	=		18
Portable Score	=	18																
Mobile Score	=	18																
Desk Mounted Score	=	18																
(Portable + Mobile + Desk) / 3																		
Article Score (Max 18 points)	=																	

6.9 Identification

6.9.1.1	<p>Radio equipment should have the option to add an RFID tag.</p>	<p>6 points awarded if the radio can be supplied with an RFID tag.</p> <p>0 points awarded if the radio cannot be supplied with an RFID tag.</p> <p>Points will be awarded for each of the 3 radio equipment types. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p> <table border="1" data-bbox="651 993 1252 1176"> <tr> <td>Portable Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Mobile Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Desk Mounted Score</td> <td>=</td> <td>6</td> </tr> <tr> <td colspan="3" style="text-align: center;">(Portable + Mobile + Desk) / 3</td> </tr> <tr> <td>Article Score (Max 6 points)</td> <td>=</td> <td></td> </tr> </table>	Portable Score	=	6	Mobile Score	=	6	Desk Mounted Score	=	6	(Portable + Mobile + Desk) / 3			Article Score (Max 6 points)	=		6
Portable Score	=	6																
Mobile Score	=	6																
Desk Mounted Score	=	6																
(Portable + Mobile + Desk) / 3																		
Article Score (Max 6 points)	=																	

7 Mandatory Equipment Specifications

7.5 P25 Conventional Operation

7.5.6.1	<p>The RSSI thresholds for the vote-scan algorithm should be adjustable using the radio configuration software.</p>	<p>9 points awarded if the RSSI thresholds for the vote-scan algorithm can be adjusted using the radio configuration software</p> <p>0 points awarded if the RSSI thresholds for the vote-scan algorithm cannot be adjusted using the radio configuration software</p> <table border="1" data-bbox="651 1476 1252 1543"> <tr> <td>Article Score (Max 9 points)</td> <td>=</td> <td></td> </tr> </table>	Article Score (Max 9 points)	=		9
Article Score (Max 9 points)	=					
7.5.6.2	<p>The radio should be configurable to enable the voted site to be displayed</p>	<p>9 points awarded if the radio is configurable to enable the voted site to be displayed.</p> <p>0 points awarded if the radio is not configurable to enable the voted site to be displayed.</p> <table border="1" data-bbox="651 1728 1252 1789"> <tr> <td>Article Score (Max 9 points)</td> <td>=</td> <td></td> </tr> </table>	Article Score (Max 9 points)	=		9
Article Score (Max 9 points)	=					

7.8 Encryption Keys

7.8.1.1	<p>The Keys should be stored within a cryptographic module in the radio equipment in a manner which conforms at FIPS 140-2 Level 2 or 3 security.</p>	<p>24 points awarded if the Keys are stored within a cryptographic module in the proposed Radio equipment in a manner which conforms at FIPS 140-2 Level 3.</p> <p>18 points awarded if the Keys are stored within a cryptographic module in the proposed Radio equipment in a manner which conforms at FIPS 140-2 Level 2.</p> <p>0 points awarded if the Keys are stored within a cryptographic module in the proposed Radio equipment in a manner which conforms at FIPS 140-2 Level 1.</p>	<table border="1"> <tr> <td colspan="2"></td> <td rowspan="2" style="background-color: #00FF00; text-align: center; vertical-align: middle;">24</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 24 points)</td> <td style="text-align: center;">=</td> </tr> </table>			24	Article Score (Max 24 points)	=									
		24															
Article Score (Max 24 points)	=																
7.8.2.1	<p>Mobile Radio should be able to allow connection of the radio programming cable and the Key Fill Device cable via the control head, or connect through a cable that can be installed to permit accessibility from the driver's side of the vehicle.</p>	<p>10 points awarded if the mobile radio allows connection of the radio programming cable and the Key Fill Device cable via the control head</p> <p>5 points awarded if the mobile radio allows connection of the radio programming cable and the Key Fill Device cable through a cable that can be installed to permit accessibility from the driver's side of the vehicle.</p> <p>0 points awarded if the radio cannot allow allow connection of the radio programming cable and the Key Fill Device cable via the control head, or connect through a cable that can be installed to permit accessibility from the driver's side of the vehicle.</p>	<table border="1"> <tr> <td colspan="2"></td> <td rowspan="2" style="background-color: #00FF00; text-align: center; vertical-align: middle;">10</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 10 points)</td> <td style="text-align: center;">=</td> </tr> </table>			10	Article Score (Max 10 points)	=									
		10															
Article Score (Max 10 points)	=																
7.8.3.1	<p>At least 64 or more unique active and 64 or more unique inactive traffic encryption keys should be supported in radio equipment units.</p>	<p>6 points awarded if 64 or more unique active and 64 or more unique inactive traffic encryption keys are supported in each proposed SU.</p> <p>0 points awarded if 64 unique active and 64 unique inactive traffic encryption keys are supported in each proposed SU.</p> <p>Points will be awarded for each of the 3 band iterations for each piece of radio equipment. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p> <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: right;">Portable Score</td> <td style="text-align: center;">=</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: right;">Mobile Score</td> <td style="text-align: center;">=</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: right;">Desk Mounted Score</td> <td style="text-align: center;">=</td> <td style="text-align: center;">6</td> </tr> </table> <p style="text-align: center; margin-top: 5px;">(Portable + Mobile + Desk) / 3</p>	Portable Score	=	6	Mobile Score	=	6	Desk Mounted Score	=	6	<table border="1"> <tr> <td colspan="2"></td> <td rowspan="2" style="background-color: #00FF00; text-align: center; vertical-align: middle;">6</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 6 points)</td> <td style="text-align: center;">=</td> </tr> </table>			6	Article Score (Max 6 points)	=
Portable Score	=	6															
Mobile Score	=	6															
Desk Mounted Score	=	6															
		6															
Article Score (Max 6 points)	=																
7.12 Over-The-Air-Programming (OTAP)																	

<p>7.12.2</p>	<p>Offeror should describe the manner and medium that the OTAP process will occur (conventional, trunking, Wifi, Bluetooth, NFC etc)</p>	<p>1 point awarded if the Offeror describes the manner and medium that the OTAP process will occur for each radio technology: conventional, trunking, Wifi, Bluetooth, NFC</p> <p>0 points awarded if the Offeror does not describe the manner and medium that the OTAP process will occur (conventional, trunking, Wifi, Bluetooth, NFC etc)</p> <p>Points will be awarded for each piece of radio equipment. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p>										
		<table border="1"> <tr> <td>Portable Score</td> <td>=</td> <td>5</td> </tr> <tr> <td>Mobile Score</td> <td>=</td> <td>5</td> </tr> <tr> <td>Desk Mounted Score</td> <td>=</td> <td>5</td> </tr> </table>	Portable Score	=	5	Mobile Score	=	5	Desk Mounted Score	=	5	
Portable Score	=	5										
Mobile Score	=	5										
Desk Mounted Score	=	5										
		<p align="center">(Portable + Mobile + Desk) / 3</p>										
		<p align="center">Article Score (Max 5 points) =</p>	<p>5</p>									
<p>7.12.3</p>	<p>OTAP process should not apply radio programming changes, to the radio equipment, without notifying the radio equipment user of any impacts to radio equipment's operations and explicit radio equipment user intervention at the time of change if the OTAP is being executed over the radio network</p>	<p>6 points awarded if the proposed OTAP process does not apply radio programming changes, to the radio equipment, without notifying the radio equipment user of any impacts to radio equipment's operations and explicit radio equipment user intervention at the time of change if the OTAP is being executed over the radio network</p> <p>0 points awarded if the proposed OTAP process does apply radio programming changes, to the radio equipment, without notifying the radio equipment user of any impacts to radio equipment's operations and explicit radio equipment user intervention at the time of change if the OTAP is being executed over the radio network</p> <p>Points will be awarded for each piece of radio equipment. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p>										
		<table border="1"> <tr> <td>Portable Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Mobile Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Desk Mounted Score</td> <td>=</td> <td>6</td> </tr> </table>	Portable Score	=	6	Mobile Score	=	6	Desk Mounted Score	=	6	
Portable Score	=	6										
Mobile Score	=	6										
Desk Mounted Score	=	6										
		<p align="center">(Portable + Mobile + Desk) / 3</p>										
		<p align="center">Article Score (Max 6 points) =</p>	<p>6</p>									

7.12.4	The OTAP application should maintain a log of all changes made, including who made the changes, radio(s) affected and configuration parameters affected.	<p>6 points awarded if the proposed OTAP application maintains a log of all changes made, including who made the changes, radio(s) affected and configuration parameter(s) affected.</p> <p>0 points awarded if the proposed OTAP application does not maintain a log of all changes made, including who made the changes, radio(s) affected and configuration parameter(s) affected.</p> <p>Points will be awarded for each piece of radio equipment. Scores from each of the 3 iterations will be added and divided by 3 to determine the overall Article Score.</p> <table border="1" data-bbox="651 573 1198 688"> <tr> <td>Portable Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Mobile Score</td> <td>=</td> <td>6</td> </tr> <tr> <td>Desk Mounted Score</td> <td>=</td> <td>6</td> </tr> </table> <p>(Portable + Mobile + Desk) / 3 Article Score (Max 6 points) =</p>	Portable Score	=	6	Mobile Score	=	6	Desk Mounted Score	=	6	6
Portable Score	=	6										
Mobile Score	=	6										
Desk Mounted Score	=	6										
7.14.1.1	The same radio programming software should be used to provision Portable, Mobile, and Desk Mount Radios.	<p>10 points awarded if the same radio programming software is used to provision Portable, Mobile, and Desk Mount Radios.</p> <p>0 points awarded if the same radio programming software cannot be used to provision Portable, Mobile, and Desk Mount Radios.</p> <p>Article Score (Max 10 points) =</p>	10									
7.14.8.2.1	Offeror should describe the database type proposed. If the programming software utilizes a SQL database, the Offeror must specify if it allows for external query and connection.	<p>6 points awarded if the Offeror describes the database type proposed and if the programming software utilizes a SQL database and the Offeror specifies that it allows for external query and connection.</p> <p>4 points awarded if the Offeror describes the database type proposed but does not describe if the programming software utilizes a SQL database and the Offeror does not specify that it allows for external query and connection.</p> <p>0 points awarded if the offeror does not describe the database type proposed and if the programming software utilizes a SQL database and specifies if it allows for external query and connection.</p> <p>Article Score (Max 6 Points) =</p>	6									

8 Band Specific Requirements

****NOTE** Refer to Section 4.2.2.2: For dual band Radio equipment, the Offeror must supply radio equipment capable of dual band operation in all combinations of 2 of the 3 bands as identified in Section 8 of this SOR.**

Thus:

7/800-UHF must meet 8.2 and 8.3

UHF/VHF must meet 8.3 and 8.4

7/800-VHF must meet 8.2 and 8.4

7/800-UHF Dual Band SU Requirements

8.2 768-776 MHz, 798-806 MHz, 806-824 MHz and 851-869 MHz (7/800) Band Specific SU Requirements											
8.2.3.3 Portable Radio Radio Frequency (RF) - Receiver Specifications											
8.2.3.3.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive portable radio in category.</p> <p>0 points awarded for the least sensitive portable radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>									
		<table border="1"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-119</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded	
		-120	X = Rated SU								
		-120	Y = Most Value								
-119	Z = Least Value										
10	Points awarded										
		10									
Article Score (Max 10 Points)		=	10								
8.2.3.3.2.1	Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category.</p> <p>0 points awarded for the portable radio with the lowest inter modulation rejection in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p>									
		<table border="1"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	
		-71	X = Rated SU								
		-71	Y = Most Value								
-70	Z = Least Value										
10	Points awarded										
		10									
Article Score (Max 10 Points)		=	10								
8.2.3.3.3.1	Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category.</p> <p>0 points awarded to the portable radio with the lowest adjacent channel selectivity in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p>									
		<table border="1"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value			
		-61	X = Rated SU								
		-61	Y = Most Value								
-60	Z = Least Value										

			10	Points awarded	
					10
		Article Score (Max 10 Points)	=		
8.2.3.3.4.1	Preferably should exceed spurious response rejection -70 dB	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>			
		-71		X = Rated SU	
		-71		Y = Most Value	
		-70		Z = Least Value	
		10		Points awarded	
					10
		Article Score (Max 10 Points)	=		
Overall 7/800 Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):					40
8.2.4.3	Mobile Radio Radio Frequency (RF) - Receiver Specifications				
8.2.4.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>			
		-120		X = Rated SU	
		-120		Y = Most Value	
		-119		Z = Least Value	
		10		Points awarded	
					10
		Article Score (Max 10 Points)	=		

<p>8.2.4.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{MostReject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 527 1252 680"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	
-76	X = Rated SU										
-76	Y = Most Value										
-75	Z = Least Value										
10	Points awarded										
<p>8.2.4.3.3.1</p>	<p>Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1129 1252 1283"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
-61	X = Rated SU										
-61	Y = Most Value										
-60	Z = Least Value										
10	Points awarded										
<p>8.2.4.3.4.1</p>	<p>Preferably should exceed spurious response rejection -80 dB</p>	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category. 0 points awarded to the mobile radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1745 1252 1898"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	
-81	X = Rated SU										
-81	Y = Most Value										
-80	Z = Least Value										
10	Points awarded										

		Article Score (Max 10 Points) =	10								
Overall 7/800 Mobile (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):			40								
8.2.5.3	Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications										
8.2.5.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive desk-mounted radio in category.</p> <p>0 points awarded for the least sensitive desk-mounted radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x {(Sensitivity_{Rated SU} - Sensitivity_{Least Sens. SU}) / (Sensitivity_{Most Sens. SU} - Sensitivity_{Least Sens. SU})}</p> <table border="1"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-117</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-120	X = Rated SU	-120	Y = Most Value	-117	Z = Least Value	10	Points awarded	
-120	X = Rated SU										
-120	Y = Most Value										
-117	Z = Least Value										
10	Points awarded										
		Article Score (Max 10 Points) =	10								
8.2.5.3.2.1	Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category.</p> <p>0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x {(InterMod_{Rated SU} - InterMod_{Least Reject. SU}) / (InterMod_{MostReject. SU} - InterMod_{Least Reject. SU})}</p> <table border="1"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	
-76	X = Rated SU										
-76	Y = Most Value										
-75	Z = Least Value										
10	Points awarded										
		Article Score (Max 10 Points) =	10								

8.2.5.3.3.1	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 556 1252 705"> <tr><td>-61</td><td>X = Rated SU</td></tr> <tr><td>-61</td><td>Y = Most Value</td></tr> <tr><td>-60</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p style="text-align: right;">10</p> <p>Article Score (Max 10 Points) =</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded
-61	X = Rated SU									
-61	Y = Most Value									
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10	Points awarded									
8.2.5.3.4.1	<p>Preferably should exceed spurious response rejection -80 dB</p>	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1205 1252 1354"> <tr><td>-81</td><td>X = Rated SU</td></tr> <tr><td>-81</td><td>Y = Most Value</td></tr> <tr><td>-80</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p style="text-align: right;">10</p> <p>Article Score (Max 10 Points) =</p>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded
-81	X = Rated SU									
-81	Y = Most Value									
-80	Z = Least Value									
10	Points awarded									
<p style="text-align: center;">Overall 7/800 Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)</p>		40								
<p style="text-align: center;">Overall 7/800 Band Receiver ((Overall 7/800 Portable + Overall 7/800 Mobile + Overall 7/800 Desk-Mounted) / 3) Score (Max Points: 40)</p>		40								
<p>8.3 380-430 MHz and 450-470 MHz (UHF) Band Specific SU Requirements</p>										
<p>8.3.3.3 Portable Radio Radio Frequency (RF) - Receiver Specifications</p>										

<p>8.3.3.3.1.1</p>	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive portable radio in category. 0 points awarded for the least sensitive portable radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" data-bbox="852 535 1250 693"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-119</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded	
-120	X = Rated SU										
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<p>8.3.3.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category. 0 points awarded for the portable radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 1144 1250 1302"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	
-71	X = Rated SU										
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10	Points awarded										
<p>8.3.3.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category. 0 points awarded to the portable radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1753 1250 1911"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
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8.3.3.3.4.1	Preferably should exceed spurious response rejection -70 dB	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 2px solid red;">-71</td> <td>X = Rated SU</td> </tr> <tr> <td style="border: 2px solid red;">-71</td> <td>Y = Most Value</td> </tr> <tr> <td style="border: 2px solid red;">-70</td> <td>Z = Least Value</td> </tr> <tr> <td style="background-color: #ffff00;">10</td> <td>Points awarded</td> </tr> </table>			-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded
-71	X = Rated SU											
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		Article Score (Max 10 Points)	=	10								
Overall UHF Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):		40										
8.3.4.3 Mobile Radio Radio Frequency (RF) - Receiver Specifications												
8.3.4.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 2px solid red;">-120</td> <td>X = Rated SU</td> </tr> <tr> <td style="border: 2px solid red;">-120</td> <td>Y = Most Value</td> </tr> <tr> <td style="border: 2px solid red;">-119</td> <td>Z = Least Value</td> </tr> <tr> <td style="background-color: #ff00ff;">10</td> <td>Points awarded</td> </tr> </table>			-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded
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8.3.4.3.2.1	Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{MostReject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 2px solid red;">-76</td> <td>X = Rated SU</td> </tr> </table>			-76	X = Rated SU						
-76	X = Rated SU											

		<table border="1"> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded			
-76	Y = Most Value										
-75	Z = Least Value										
10	Points awarded										
			10								
		Article Score (Max 10 Points) =									
8.3.4.3.3.1	Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	10
-61	X = Rated SU										
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		Article Score (Max 10 Points) =									
8.3.4.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category. 0 points awarded to the mobile radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	10
-81	X = Rated SU										
-81	Y = Most Value										
-80	Z = Least Value										
10	Points awarded										
		Article Score (Max 10 Points) =									
Overall UHF Mobile (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):			40								
8.3.5.3	Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications										

<p>8.3.5.3.1.1</p>	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive desk-mounted radio in category. 0 points awarded for the least sensitive desk-mounted radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" data-bbox="852 562 1252 716"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-117</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-120	X = Rated SU	-120	Y = Most Value	-117	Z = Least Value	10	Points awarded	
-120	X = Rated SU										
-120	Y = Most Value										
-117	Z = Least Value										
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<p>8.3.5.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category. 0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 1203 1252 1356"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	
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<p>8.3.5.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1833 1252 1948"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value			
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-60	Z = Least Value										

			10	Points awarded	
					10
		Article Score (Max 10 Points)	=		
8.3.5.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>			
		-81		X = Rated SU	
		-81		Y = Most Value	
		-80		Z = Least Value	
		10		Points awarded	
					10
		Article Score (Max 10 Points)	=		
Overall UHF Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)					40
Overall UHF Band Receiver ((Overall UHF Portable + Overall UHF Mobile + Overall UHF Desk-Mounted) / 3) Score (Max Points: 40)					40
Total 7/800-UHF Receiver ((Overall 7/800 Band Receiver + Overall UHF Band Receiver) / 2) Score (Max Points: 40)					40
UHF/VHF must meet 8.3 and 8.4					
8.3 380-430 MHz and 450-470 MHz (UHF) Band Specific SU Requirements					
8.3.3.3 Portable Radio Radio Frequency (RF) - Receiver Specifications					
8.3.3.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive portable radio in category. 0 points awarded for the least sensitive portable radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>			
		-120		X = Rated SU	
		-120		Y = Most Value	
		-119		Z = Least Value	
		10		Points awarded	
					10
		Article Score (Max 10 Points)	=		

<p>8.3.3.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category. 0 points awarded for the portable radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{MostReject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 535 1252 688"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">Article Score (Max 10 Points) = 10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded
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<p>8.3.3.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category. 0 points awarded to the portable radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1144 1252 1297"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">Article Score (Max 10 Points) = 10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded
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<p>8.3.3.3.4.1</p>	<p>Preferably should exceed spurious response rejection -70 dB</p>	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1753 1252 1906"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">Article Score (Max 10 Points) = 10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded
-71	X = Rated SU									
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		Article Score (Max 10 Points) =	10								
Overall UHF Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):			40								
8.3.4.3 Mobile Radio Radio Frequency (RF) - Receiver Specifications											
8.3.4.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x {(Sensitivity_{Rated SU} - Sensitivity_{Least Sens. SU}) / (Sensitivity_{Most Sens. SU} - Sensitivity_{Least Sens. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-119</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>	-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded	
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10	Points awarded										
		Article Score (Max 10 Points) =	10								
8.3.4.3.2.1	Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x {(InterMod_{Rated SU} - InterMod_{Least Reject. SU}) / (InterMod_{MostReject. SU} - InterMod_{Least Reject. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-75</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	
-76	X = Rated SU										
-76	Y = Most Value										
-75	Z = Least Value										
10	Points awarded										
		Article Score (Max 10 Points) =	10								
8.3.4.3.3.1	Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x {(Adjacency_{Rated SU} - Adjacency_{Least Adj. SU}) / (Adjacency_{Most Adj. SU} - Adjacency_{Least Adj. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-61</td><td style="text-align: center;">X = Rated SU</td></tr> </table>	-61	X = Rated SU							
-61	X = Rated SU										

			<table border="1"> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded			
-61	Y = Most Value											
-60	Z = Least Value											
10	Points awarded											
				10								
		Article Score (Max 10 Points)	=									
8.3.4.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category. 0 points awarded to the mobile radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>										
			<table border="1"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	
-81	X = Rated SU											
-81	Y = Most Value											
-80	Z = Least Value											
10	Points awarded											
				10								
		Article Score (Max 10 Points)	=									
Overall UHF Mobile (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):				40								
8.3.5.3	Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications											
8.3.5.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive desk-mounted radio in category. 0 points awarded for the least sensitive desk-mounted radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>										
			<table border="1"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-117</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-120	X = Rated SU	-120	Y = Most Value	-117	Z = Least Value	10	Points awarded	
-120	X = Rated SU											
-120	Y = Most Value											
-117	Z = Least Value											
10	Points awarded											
				10								
		Article Score (Max 10 Points)	=									

<p>8.3.5.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category. 0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 562 1252 716"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <table border="1" data-bbox="651 716 1425 787"> <tr> <td colspan="2">Article Score (Max 10 Points) =</td> <td>10</td> </tr> </table>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	Article Score (Max 10 Points) =		10
-76	X = Rated SU												
-76	Y = Most Value												
-75	Z = Least Value												
10	Points awarded												
Article Score (Max 10 Points) =		10											
<p>8.3.5.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1205 1252 1358"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <table border="1" data-bbox="651 1358 1425 1430"> <tr> <td colspan="2">Article Score (Max 10 Points) =</td> <td>10</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	Article Score (Max 10 Points) =		10
-61	X = Rated SU												
-61	Y = Most Value												
-60	Z = Least Value												
10	Points awarded												
Article Score (Max 10 Points) =		10											
<p>8.3.5.3.4.1</p>	<p>Preferably should exceed spurious response rejection -80 dB</p>	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1841 1252 1953"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value					
-81	X = Rated SU												
-81	Y = Most Value												
-80	Z = Least Value												

			10	Points awarded	
					10
		Article Score (Max 10 Points)	=		
Overall UHF Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)					40
Overall UHF Band Receiver ((Overall UHF Portable + Overall UHF Mobile + Overall UHF Desk-Mounted) / 3) Score (Max Points: 40)					40
8.4 138-144 MHz and 148-174 MHz (VHF) Band Specific SU Requirements					
8.4.3.3	Portable Radio Radio Frequency (RF) - Receiver Specifications				
8.4.3.3.1.1	Preferably should exceed sensitivity (digital) 0.22 μv (-120dBm) 5% BER	<p>10 points awarded to the most sensitive portable radio in category.</p> <p>0 points awarded for the least sensitive portable radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>			
		-120	X = Rated SU		
		-120	Y = Most Value		
		-119	Z = Least Value		
		10	Points awarded		
					10
		Article Score (Max 10 Points)	=		
8.4.3.3.2.1	Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category.</p> <p>0 points awarded for the portable radio with the lowest inter modulation rejection in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{MostReject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p>			
		-71	X = Rated SU		
		-71	Y = Most Value		
		-70	Z = Least Value		
		10	Points awarded		
					10
		Article Score (Max 10 Points)	=		

8.4.3.3.1	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category. 0 points awarded to the portable radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 527 1252 680"> <tr><td>-61</td><td>X = Rated SU</td></tr> <tr><td>-61</td><td>Y = Most Value</td></tr> <tr><td>-60</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <table border="1" data-bbox="651 680 1425 751"> <tr><td colspan="2">Article Score (Max 10 Points) =</td><td>10</td></tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	Article Score (Max 10 Points) =		10
-61	X = Rated SU												
-61	Y = Most Value												
-60	Z = Least Value												
10	Points awarded												
Article Score (Max 10 Points) =		10											
8.4.3.3.4.1	<p>Preferably should exceed spurious response rejection -70 dB</p>	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1136 1252 1289"> <tr><td>-71</td><td>X = Rated SU</td></tr> <tr><td>-71</td><td>Y = Most Value</td></tr> <tr><td>-70</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <table border="1" data-bbox="651 1289 1425 1360"> <tr><td colspan="2">Article Score (Max 10 Points) =</td><td>10</td></tr> </table>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	Article Score (Max 10 Points) =		10
-71	X = Rated SU												
-71	Y = Most Value												
-70	Z = Least Value												
10	Points awarded												
Article Score (Max 10 Points) =		10											
<p>Overall VHF Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):</p>		<p>40</p>											
<p>8.4.4.3 Mobile Radio Radio Frequency (RF) - Receiver Specifications</p>													
8.4.4.3.1.1	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" data-bbox="852 1856 1252 1927"> <tr><td>-120</td><td>X = Rated SU</td></tr> <tr><td>-120</td><td>Y = Most Value</td></tr> </table>	-120	X = Rated SU	-120	Y = Most Value							
-120	X = Rated SU												
-120	Y = Most Value												

		<table border="1"> <tr> <td>-119</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-119	Z = Least Value	10	Points awarded					
-119	Z = Least Value										
10	Points awarded										
		<table border="1"> <tr> <td colspan="2">Article Score (Max 10 Points) =</td> <td>10</td> </tr> </table>	Article Score (Max 10 Points) =		10						
Article Score (Max 10 Points) =		10									
8.4.4.3.2.1	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	10
-76	X = Rated SU										
-76	Y = Most Value										
-75	Z = Least Value										
10	Points awarded										
		<table border="1"> <tr> <td colspan="2">Article Score (Max 10 Points) =</td> <td>10</td> </tr> </table>	Article Score (Max 10 Points) =		10						
Article Score (Max 10 Points) =		10									
8.4.4.3.3.1	<p>Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	10
-61	X = Rated SU										
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10	Points awarded										
		<table border="1"> <tr> <td colspan="2">Article Score (Max 10 Points) =</td> <td>10</td> </tr> </table>	Article Score (Max 10 Points) =		10						
Article Score (Max 10 Points) =		10									
8.4.4.3.4.1	<p>Preferably should exceed spurious response rejection -80 dB</p>	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category. 0 points awarded to the mobile radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value					
-81	X = Rated SU										
-81	Y = Most Value										

		-80	Z = Least Value	
		10	Points awarded	
		Article Score (Max 10 Points) =		10
Overall VHF Mobile (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):				40

8.4.5.3 Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications

8.4.5.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive desk-mounted radio in category. 0 points awarded for the least sensitive desk-mounted radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>			
		-120	X = Rated SU		
		-120	Y = Most Value		
		-117	Z = Least Value		
		10	Points awarded		
Article Score (Max 10 Points) =			10		

8.4.5.3.2.1	Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category. 0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p>			
		-76	X = Rated SU		
		-76	Y = Most Value		
		-75	Z = Least Value		
		10	Points awarded		
Article Score (Max 10 Points) =			10		

8.4.5.3.3.1	Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 562 1252 716"> <tr><td>-61</td><td>X = Rated SU</td></tr> <tr><td>-61</td><td>Y = Most Value</td></tr> <tr><td>-60</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
-61	X = Rated SU										
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8.4.5.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1203 1252 1356"> <tr><td>-81</td><td>X = Rated SU</td></tr> <tr><td>-81</td><td>Y = Most Value</td></tr> <tr><td>-80</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	
-81	X = Rated SU										
-81	Y = Most Value										
-80	Z = Least Value										
10	Points awarded										
Overall VHF Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)		40									
Overall VHF Band Receiver ((Overall VHF Portable + Overall VHF Mobile + Overall VHF Desk-Mounted) / 3) Score (Max Points: 40)		40									
Total UHF-VHF Receiver ((Overall UHF Band Receiver + Overall VHF Band Receiver / 2) Score (Max Points: 40)		40									
7/800-VHF must meet 8.2 and 8.4											
8.2 768-776 MHz, 798-806 MHz, 806-824 MHz and 851-869 MHz (7/800) Band Specific SU Requirements											
8.2.3.3	Portable Radio Radio Frequency (RF) - Receiver Specifications										

8.2.3.3.1.1	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive portable radio in category. 0 points awarded for the least sensitive portable radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" data-bbox="852 535 1250 682"> <tr><td>-120</td><td>X = Rated SU</td></tr> <tr><td>-120</td><td>Y = Most Value</td></tr> <tr><td>-119</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded	
-120	X = Rated SU										
-120	Y = Most Value										
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10	Points awarded										
8.2.3.3.2.1	<p>Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category. 0 points awarded for the portable radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 1144 1250 1291"> <tr><td>-71</td><td>X = Rated SU</td></tr> <tr><td>-71</td><td>Y = Most Value</td></tr> <tr><td>-70</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	
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8.2.3.3.3.1	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category. 0 points awarded to the portable radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1743 1250 1890"> <tr><td>-61</td><td>X = Rated SU</td></tr> <tr><td>-61</td><td>Y = Most Value</td></tr> <tr><td>-60</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
-61	X = Rated SU										
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		Article Score (Max 10 Points)	=	10								
8.2.3.3.4.1	Preferably should exceed spurious response rejection -70 dB	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-71</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-71</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-70</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>			-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded
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Overall 7/800 Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):		40										
8.2.4.3 Mobile Radio Radio Frequency (RF) - Receiver Specifications												
8.2.4.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-119</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>			-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded
-120	X = Rated SU											
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		Article Score (Max 10 Points)	=	10								
8.2.4.3.2.1	Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">Y = Most Value</td></tr> </table>			-76	X = Rated SU	-76	Y = Most Value				
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-75	Z = Least Value											
10	Points awarded											
				10								
			Article Score (Max 10 Points) =									
8.2.4.3.3.1	Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p>	<table border="1"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
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8.2.4.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category. 0 points awarded to the mobile radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>	<table border="1"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	
-81	X = Rated SU											
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			Article Score (Max 10 Points) =									
Overall 7/800 Mobile (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40:				40								
8.2.5.3	Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications											

<p>8.2.5.3.1.1</p>	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive desk-mounted radio in category. 0 points awarded for the least sensitive desk-mounted radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p> <table border="1" data-bbox="852 583 1252 737"> <tr> <td>-120</td> <td>X = Rated SU</td> </tr> <tr> <td>-120</td> <td>Y = Most Value</td> </tr> <tr> <td>-117</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-120	X = Rated SU	-120	Y = Most Value	-117	Z = Least Value	10	Points awarded
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10	Points awarded									
<p>8.2.5.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category. 0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 1228 1252 1381"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded
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<p>8.2.5.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1864 1252 1934"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> </table>	-61	X = Rated SU	-61	Y = Most Value				
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			<table border="1"> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	-60	Z = Least Value	10	Points awarded					
-60	Z = Least Value											
10	Points awarded											
				10								
		Article Score (Max 10 Points) =										
8.2.5.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>										
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				10								
		Article Score (Max 10 Points) =										
Overall 7/800 Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)				40								
Overall 7/800 Band receiver ((Overall 7/800 Portable + Overall 7/800 Mobile + Overall 7/800 Desk-Mounted) / 3) Score (Max Points: 40)				40								
8.4 138-144 MHz and 148-174 MHz (VHF) Band Specific SU Requirements												
8.4.3.3 Portable Radio Radio Frequency (RF) - Receiver Specifications												
8.4.3.3.1.1	Preferably should exceed sensitivity (digital) 0.22 μv (-120dBm) 5% BER	<p>10 points awarded to the most sensitive portable radio in category. 0 points awarded for the least sensitive portable radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>										
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<p>8.4.3.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -70 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest inter modulation rejection in category. 0 points awarded for the portable radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{MostReject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 527 1252 680"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	
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<p>8.4.3.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the portable radio with the highest adjacent channel selectivity in category. 0 points awarded to the portable radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1129 1252 1283"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
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<p>8.4.3.3.4.1</p>	<p>Preferably should exceed spurious response rejection -70 dB</p>	<p>10 points awarded to the portable radio with the highest spurious response rejection in category. 0 points awarded to the portable radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Portable Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1734 1252 1887"> <tr> <td>-71</td> <td>X = Rated SU</td> </tr> <tr> <td>-71</td> <td>Y = Most Value</td> </tr> <tr> <td>-70</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p>Article Score (Max 10 Points) = 10</p>	-71	X = Rated SU	-71	Y = Most Value	-70	Z = Least Value	10	Points awarded	
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		Article Score (Max 10 Points)	=	10								
Overall VHF Portable (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Pts. 40):		40										
8.4.4.3	Mobile Radio Radio Frequency (RF) - Receiver Specifications											
8.4.4.3.1.1	<p>Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER</p>	<p>10 points awarded to the most sensitive mobile radio in category. 0 points awarded for the least sensitive mobile radio in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x {(Sensitivity_{Rated SU} - Sensitivity_{Least Sens. SU}) / (Sensitivity_{Most Sens. SU} - Sensitivity_{Least Sens. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-120</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-119</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>			-120	X = Rated SU	-120	Y = Most Value	-119	Z = Least Value	10	Points awarded
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8.4.4.3.2.1	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest inter modulation rejection in category. 0 points awarded for the mobile radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x {(InterMod_{Rated SU} - InterMod_{Least Reject. SU}) / (InterMod_{MostReject. SU} - InterMod_{Least Reject. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">X = Rated SU</td></tr> <tr><td style="text-align: center;">-76</td><td style="text-align: center;">Y = Most Value</td></tr> <tr><td style="text-align: center;">-75</td><td style="text-align: center;">Z = Least Value</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">Points awarded</td></tr> </table>			-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded
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8.4.4.3.3.1	<p>Preferably should exceed Adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the mobile radio with the highest adjacent channel selectivity in category. 0 points awarded to the mobile radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x {(Adjacency_{Rated SU} - Adjacency_{Least Adj. SU}) / (Adjacency_{Most Adj. SU} - Adjacency_{Least Adj. SU})}</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">-61</td><td style="text-align: center;">X = Rated SU</td></tr> </table>			-61	X = Rated SU						
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8.4.4.3.4.1	Preferably should exceed spurious response rejection -80 dB	<p>10 points awarded to the mobile radio with the highest spurious response rejection in category.</p> <p>0 points awarded to the mobile radio with the lowest spurious response rejection in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Mobile Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p>	<table border="1"> <tr><td>-81</td><td>X = Rated SU</td></tr> <tr><td>-81</td><td>Y = Most Value</td></tr> <tr><td>-80</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value	10	Points awarded	
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8.4.5.3	Desk-Mounted Radio Radio Frequency (RF) - Receiver Specifications											
8.4.5.3.1.1	Preferably should exceed sensitivity (digital) 0.25 μv (-119 dBm) 5% BER	<p>10 points awarded to the most sensitive desk-mounted radio in category.</p> <p>0 points awarded for the least sensitive desk-mounted radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Sensitivity Points Awarded = Max Points x $\{(Sensitivity_{Rated\ SU} - Sensitivity_{Least\ Sens.\ SU}) / (Sensitivity_{Most\ Sens.\ SU} - Sensitivity_{Least\ Sens.\ SU})\}$</p>	<table border="1"> <tr><td>-120</td><td>X = Rated SU</td></tr> <tr><td>-120</td><td>Y = Most Value</td></tr> <tr><td>-117</td><td>Z = Least Value</td></tr> <tr><td>10</td><td>Points awarded</td></tr> </table>	-120	X = Rated SU	-120	Y = Most Value	-117	Z = Least Value	10	Points awarded	
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<p>8.4.5.3.2.1</p>	<p>Preferably should exceed inter modulation rejection -75 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest inter modulation rejection in category. 0 points awarded for the desk-mounted radio with the lowest inter modulation rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Inter Modulation rejection Points Awarded = Max Points x $\{(InterMod_{Rated\ SU} - InterMod_{Least\ Reject.\ SU}) / (InterMod_{Most\ Reject.\ SU} - InterMod_{Least\ Reject.\ SU})\}$</p> <table border="1" data-bbox="852 556 1252 705"> <tr> <td>-76</td> <td>X = Rated SU</td> </tr> <tr> <td>-76</td> <td>Y = Most Value</td> </tr> <tr> <td>-75</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-76	X = Rated SU	-76	Y = Most Value	-75	Z = Least Value	10	Points awarded	
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-75	Z = Least Value										
10	Points awarded										
<p>8.4.5.3.3.1</p>	<p>Preferably should exceed adjacent channel selectivity -60 dB (TIA/EIA 102)</p>	<p>10 points awarded to the desk-mounted radio with the highest adjacent channel selectivity in category. 0 points awarded to the desk-mounted radio with the lowest adjacent channel selectivity in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: ((Desk-Mounted Unit Max. Points 10)</p> <p>Adjacent channel selectivity Points Awarded = Max Points x $\{(Adjacency_{Rated\ SU} - Adjacency_{Least\ Adj.\ SU}) / (Adjacency_{Most\ Adj.\ SU} - Adjacency_{Least\ Adj.\ SU})\}$</p> <table border="1" data-bbox="852 1192 1252 1341"> <tr> <td>-61</td> <td>X = Rated SU</td> </tr> <tr> <td>-61</td> <td>Y = Most Value</td> </tr> <tr> <td>-60</td> <td>Z = Least Value</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table> <p style="text-align: right;">10</p>	-61	X = Rated SU	-61	Y = Most Value	-60	Z = Least Value	10	Points awarded	
-61	X = Rated SU										
-61	Y = Most Value										
-60	Z = Least Value										
10	Points awarded										
<p>8.4.5.3.4.1</p>	<p>Preferably should exceed spurious response rejection -80 dB</p>	<p>10 points awarded to the desk-mounted radio with the highest spurious response rejection in category. 0 points awarded to the desk-mounted radio with the lowest spurious response rejection in category. 0 to 10 points awarded based on equation below and all offeror's responses. Comparison based rating: (Desk-Mounted Unit Max. Points 10)</p> <p>Spurious response rejection Points Awarded = Max Points x $\{(Rejection_{Rated\ SU} - Rejection_{Least\ Reject\ SU}) / (Rejection_{Highest\ Reject\ SU} - Rejection_{Least\ Reject\ SU})\}$</p> <table border="1" data-bbox="852 1829 1252 1938"> <tr> <td>-81</td> <td>X = Rated SU</td> </tr> <tr> <td>-81</td> <td>Y = Most Value</td> </tr> <tr> <td>-80</td> <td>Z = Least Value</td> </tr> </table>	-81	X = Rated SU	-81	Y = Most Value	-80	Z = Least Value			
-81	X = Rated SU										
-81	Y = Most Value										
-80	Z = Least Value										

		10	Points awarded	
		Article Score (Max 10 Points) =		10
Overall VHF Desk-Mounted (Sensitivity+Inter Mod.+Adj. Ch. Select+Spurious Resp.) Score (Max Points: 40)				40
<i>Overall VHF Band Receiver ((Overall VHF Portable + Overall VHF Mobile + Overall VHF Desk-Mounted) / 3) Score (Max Points: 40)</i>				40
Overall 7/800-VHF Receiver ((Overall 7/800 Band Receiver + Overall VHF Band Receiver / 2) Score (Max Points: 40)				40
Total Dual Band Receiver ((Overall 7/800-UHF Receiver + Overall UHF-VHF Receiver + Overall 7/800-VHF Receiver) / 3) Score (Max Points: 40)				40

9 Portable Radio Specific Specifications

9.1 General

9.1.2.1	Portable radio should have an audio output of 1 Watt at no more than 1.5% audio distortion level.	<p>6 points awarded if proposed Portable Radio has an audio output of 1 Watt or more at no more than 1.5% audio distortion level.</p> <p>0 points awarded if proposed Portable Radio has an audio output of less than 1 Watt or more than 1.5% audio distortion level.</p>	
		Article Score (Max 6 Points) =	6

9.2 Environmental Requirements

9.2.4	Offeror should provide details of any available options of versions of their radio equipment that comply with UL Division 1 specifications operating in environments that contain ignitable concentrations of flammable gases, flammable liquid-produced vapours, or combustible liquid-produced vapours can exist under normal operating conditions (HazLoc).	<p>Points awarded if the offeror provide details of any available options of versions of their radio equipment that comply with UL Division 1 specifications operating in environments that contain ignitable concentrations of flammable gases, flammable liquid-produced vapours, or combustible liquid-produced vapours can exist under normal operating conditions (HazLoc).</p> <p>10 Points awarded if the Offeror indicates the option for Class I, Div 1, Groups C, D; Class I, Div 2, Groups A, B, C, D;</p> <p>5 points awarded if the offeror indicates the option for Class I, Div 2, Groups A, B, C, D;</p> <p>0 points awarded if the offeror provides no details of any available options of versions of their radio equipment that comply with UL Division 1 specifications operating in environments that contain ignitable concentrations of flammable gases, flammable liquid-produced vapours, or combustible liquid-produced vapours can exist under normal operating conditions (HazLoc).</p>	
		Article Score (Max 10 Points) =	10

9.3 Battery (portable)

9.3.2.1	Offeror should provide an extra high capacity rechargeable battery that will last in excess of 12 hours in encrypted mode, based on 5-5-90 duty cycle. On P25 channels stand-by time is defined as the period of time that the SU is monitoring the assigned control channel.	<p>10 points awarded if the offeror can provide an extra high capacity rechargeable battery that will last in excess of 12 hours in encrypted mode, based on 5-5-90 duty cycle. On P25 channels stand-by time is defined as the period of time that the SU is monitoring the assigned control channel.</p> <p>0 points awarded if the offeror cannot provide an extra high capacity rechargeable battery that will last in excess of 12 hours in encrypted mode, based on 5-5-90 duty cycle. On P25 channels stand-by time is defined as the period of time that the SU is monitoring the assigned control channel.</p>	<table border="1"> <tr> <td colspan="2"></td> <td style="background-color: #00FF00; text-align: center;">10</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 10 Points)</td> <td style="text-align: center;">=</td> <td></td> </tr> </table>			10	Article Score (Max 10 Points)	=									
		10															
Article Score (Max 10 Points)	=																
9.4 Physical Specifications (portable)																	
9.4.1.1	Offeror should specify the weight in grams of their portable radio with standard antenna and high capacity Li-Ion battery as per section 9.3.2 of this SOR.	<p>10 points awarded to the lightest portable radio in category.</p> <p>0 points awarded for the heaviest portable radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Max. Points 10)</p> <p>Points Awarded = $\text{Max Points} \times \frac{(\text{Weight Heaviest SU} - \text{Weight Rated SU})}{(\text{Weight Heaviest SU} - \text{Weight Lightest SU})}$ in grams</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 2px solid red;">1150</td> <td>X = Rated SU</td> </tr> <tr> <td style="border: 2px solid red;">1150</td> <td>Y = Lightest SU</td> </tr> <tr> <td style="border: 2px solid red;">1500</td> <td>Z = Heaviest SU</td> </tr> <tr> <td style="background-color: #cccccc;">10</td> <td>Points awarded</td> </tr> </table>	1150	X = Rated SU	1150	Y = Lightest SU	1500	Z = Heaviest SU	10	Points awarded	<table border="1"> <tr> <td colspan="2"></td> <td style="background-color: #00FF00; text-align: center;">10</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 10 Points)</td> <td style="text-align: center;">=</td> <td></td> </tr> </table>			10	Article Score (Max 10 Points)	=	
1150	X = Rated SU																
1150	Y = Lightest SU																
1500	Z = Heaviest SU																
10	Points awarded																
		10															
Article Score (Max 10 Points)	=																
9.4.1.2	Offeror should specify in centimetres cubed (cm ³) the volume of their portable radio(s), excluding clips and antenna, with high-capacity Li-Ion battery attached as per section 9.3.2 of this SOR.	<p>10 points awarded to the smallest portable radio in category.</p> <p>0 points awarded for the biggest portable radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Max. Points 10)</p> <p>Points Awarded = $\text{Max Points} \times \frac{(\text{Volume Biggest SU} - \text{Volume Rated SU})}{(\text{Volume Biggest SU} - \text{Volume Smallest SU})}$ cm³</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 2px solid red;">1150</td> <td>X = Rated SU</td> </tr> <tr> <td style="border: 2px solid red;">1150</td> <td>Y = Smallest SU</td> </tr> <tr> <td style="border: 2px solid red;">1500</td> <td>Z = Biggest SU</td> </tr> <tr> <td style="background-color: #cccccc;">10</td> <td>Points awarded</td> </tr> </table>	1150	X = Rated SU	1150	Y = Smallest SU	1500	Z = Biggest SU	10	Points awarded	<table border="1"> <tr> <td colspan="2"></td> <td style="background-color: #00FF00; text-align: center;">10</td> </tr> <tr> <td style="text-align: right;">Article Score (Max 10 Points)</td> <td style="text-align: center;">=</td> <td></td> </tr> </table>			10	Article Score (Max 10 Points)	=	
1150	X = Rated SU																
1150	Y = Smallest SU																
1500	Z = Biggest SU																
10	Points awarded																
		10															
Article Score (Max 10 Points)	=																

<p>9.4.1.3</p>	<p>Offeror should specify in millimetres (mm) the height of their portable radio(s), with standard antenna and high capacity Li-Ion battery attached as per section 9.3.2 of this SOR.</p>	<p>10 points awarded to the smallest height portable radio in category.</p> <p>0 points awarded for the tallest height portable radio in category.</p> <p>0 to 10 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Max. Points 10)</p> <p>Points Awarded = Max Points x ((HeightBiggest SU - Height Rated SU) / HeightBiggest SU - Height Smallest SU)) in mm</p> <table border="1" data-bbox="852 569 1252 722"> <tr> <td>750</td> <td>X = Rated SU</td> </tr> <tr> <td>750</td> <td>Y = Smallest SU</td> </tr> <tr> <td>950</td> <td>Z = Biggest SU</td> </tr> <tr> <td>10</td> <td>Points awarded</td> </tr> </table>	750	X = Rated SU	750	Y = Smallest SU	950	Z = Biggest SU	10	Points awarded	<p>10</p>
750	X = Rated SU										
750	Y = Smallest SU										
950	Z = Biggest SU										
10	Points awarded										
<p>9.8 Visual Display and Audible Indicators</p>											
<p>9.8.3.1</p>	<p>The number of characters per line that can be displayed on the alphanumeric screen of the portable radio should be higher than 8.</p>	<p>15 points awarded if number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is 11 or more.</p> <p>10 points awarded if number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is between 9 and 10.</p> <p>0 points awarded if the number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is 8.</p>	<p>15</p>								
<p>9.8.12</p>	<p>Portable radio should be equipped with a top facing alphanumeric display.</p>	<p>15 points awarded if number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is 11 or more.</p> <p>10 points awarded if number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is between 9 and 10.</p> <p>0 points awarded if the number of characters per line that can be displayed on the alphanumeric screen of the Portable radio is 8.</p>	<p>15</p>								

9.8.17	It should be possible to enable, disable and configure the audible alert and useable threshold level defined in 9.8.16 through the radio programming software.	<p>15 points awarded if it is possible to enable, disable and configure the audible alert and useable threshold level defined in 9.8.16 through the radio programming software.</p> <p>0 points awarded if it is not possible to enable, disable and configure the audible alert and useable threshold level defined in 9.8.16 through the radio programming software.</p>	15
Article Score (Max 15 Points)		=	

9.9 Capacity			
9.9.1.1	Portable radio should have a capacity of 513 or more modes of operation (talkgroups/channels) that permit programming of various frequency channels, modes of modulation.	<p>6 points awarded if the Portable radio has a capacity of 513 or more modes of operation.</p> <p>0 points awarded if the Portable radio has a capacity of 512 modes of operation.</p>	6
Article Score (Max 6 Points)		=	

10 Mobile Radio Specific Specifications

10.1 General			
10.1.7.1	Mobile radio mode/primary talkgroup selection should be via a single rotary control that is physically separate from the volume adjustment rotary control mentioned in Section 10.1.6.	<p>6 points awarded if the Mobile radio has a rotary mode/primary talkgroup selector that is physically separate from the volume adjustment rotary control.</p> <p>0 points awarded if the Mobile radio does not have a rotary mode/primary talkgroup selector that is physically separate from the volume adjustment rotary control.</p>	6
Article Score (Max 6 Points)		=	

10.3 Physical Specifications (mobile)											
10.3.2	Offeror should specify in centimetres (cm) the height, length and depth with mounting bracket attached for each mobile radio(s).	<p>15 points awarded to the smallest mobile radio by volume in category.</p> <p>0 points awarded for the biggest mobile radio by volume in category.</p> <p>0 to 15 points awarded based on equation below and all offeror's responses.</p> <p>Comparison based rating: (Max. Points 15)</p> <p>Points Awarded = Max Points x ((Volume Largest SU - Volume Rated SU) / (Volume Largest SU - Volume Smallest SU))</p> <p>Calculation for volume = Length x Depth x Height = Volume cm³</p> <table border="1" data-bbox="852 1717 1252 1873" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">750</td> <td style="text-align: center;">X = Rated SU</td> </tr> <tr> <td style="text-align: center;">750</td> <td style="text-align: center;">Y = Smallest SU</td> </tr> <tr> <td style="text-align: center;">950</td> <td style="text-align: center;">Z = Biggest SU</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">Points awarded</td> </tr> </table>	750	X = Rated SU	750	Y = Smallest SU	950	Z = Biggest SU	15	Points awarded	15
750	X = Rated SU										
750	Y = Smallest SU										
950	Z = Biggest SU										
15	Points awarded										
Article Score (Max 15 points)		=									

10.5 Mobile Radio Component Configurations			
10.5.2.2.4	A single control head should be capable of controlling multiple Mobile Radios.	<p>6 points awarded if a single control head is capable of controlling multiple Mobile Radios.</p> <p>0 points awarded if a single control head is not capable of controlling multiple Mobile Radios.</p>	
		Article Score (Max 6 Points) =	6
10.7 Visual Display and Audible Indicators			
10.7.10.1	It should be possible to enable, disable and configure the audible alert and useable threshold level defined in 10.7.10 through the radio programming software.	<p>15 points awarded if it is possible to enable, disable and configure the audible alert and useable threshold level defined in 10.7.10 through the radio programming software.</p> <p>0 points awarded if it is not possible to enable, disable and configure the audible alert and useable threshold level defined in 10.7.10 through the radio programming software.</p>	
		Article Score (Max 15 Points) =	15
11 Desk Mounted Radio Specific Specifications			
11.1 General			
11.1.8.1	Desk Mounted Radio mode/primary talkgroup selection should be via a single rotary control that is physically separate from the volume adjustment rotary control mentioned in section 11.1.8	<p>6 points awarded if the Desk Mounted radio has a rotary mode/primary talkgroup selector that is physically separate from the volume adjustment rotary control.</p> <p>0 points awarded if the Desk Mounted radio does not have a rotary mode/primary talkgroup selector that is physically separate from the volume adjustment rotary control.</p>	
		Article Score (Max 6 Points) =	6
11.5 Visual Display and Audible Indicators			
11.5.6	Desk Mounted Radio user should be able to turn off all illuminations, status lights and all audible indicators on radio while still able to operate the radio in a normal fashion otherwise.	<p>5 points awarded if the Desk Mounted radio is able to turn off all illuminations, status lights and all audible indicators on radio while still able to operate the radio in a normal fashion otherwise</p> <p>0 points awarded if the Desk Mounted cannot able turn off all illuminations, status lights and all audible indicators on radio while still able to operate the radio in a normal fashion otherwise</p>	
		Article Score (Max 5 Points) =	5
11.5.11	It should be possible to enable, disable and configure the audible alert and useable threshold level defined in section 11.5.10 through the radio programming software.	<p>15 points awarded if it is possible to enable, disable and configure the audible alert and useable threshold level defined in section 11.5.10 through the radio programming software.</p> <p>0 points awarded if it is not possible to enable, disable and configure the audible alert and useable threshold level defined in section 11.5.10 through the radio programming software.</p>	
		Article Score (Max 15 Points) =	15

11.7 External Ports			
11.7.4.1	Strain relief cords or connections should be used where applicable to reduce risk of damage.	3 points awarded if strain relief cords or connections are used where applicable to reduce risk of damage.	
		0 points awarded if no strain relief cords or connections are used where applicable to reduce risk of damage	
		Article Score (Max 3 Points) =	3

13 Appendix A – Request To Talk Baseline Requirements

13.1 Physical			
13.1.3	Speaker Mic accessories for portable Subscriber Unit (SU) for use by the RCMP should have a dedicated button for initiation of a RTT.	15 points awarded if the Speaker Mic accessories for portable Subscriber Unit (SU) for use by the RCMP has a dedicated button for initiation of a RTT.	
		0 points awarded if the Speaker Mic accessories for portable Subscriber Unit (SU) for use by the RCMP does not have a dedicated button for initiation of a RTT.	
		Article Score (Max 15 Points) =	15

Total Stream Score (Max 380 Points)	380
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