



## ANNEX 1: Mandatory Requirements for FM Broadcast Band Reject Filter Kit

Item #	Category	Required Specifications	Evaluation Method	Cross Reference to Bid	Req. Met Yes/No
<b>General Filter Kit:</b>					
1	Storage Case	The filter must be pre-kitted in a single, compact, hard carrying case that provides form fitting soft interior padding.	Published vendor information review or signed OEM compliance attestation.		
<b>Rejection band: 88 MHz to 108 MHz</b>					
2	Filter Type	The filter must be a passive, factory pre-tuned band reject filter.	Published vendor information review or signed OEM compliance attestation.		
3	Physical Form Factor	The filter must be in the form factor of a rigid enclosed unit (i.e., No exposed internal components).	Published vendor information review or signed OEM compliance attestation.		
4	Stop Band Frequencies	The filter must have an attenuation of at least 40 dB between 88 MHz to 106.5 MHz.	Published vendor information review or signed OEM compliance attestation.		
5	Attenuation above 108.2 MHz	The filter must not attenuate signals above 108.2 MHz by more than 4 dB.	Published vendor information review or signed OEM compliance attestation.		
6	Attenuation below 80 MHz	The filter must not attenuate signals below 80 MHz by more than 5 dB.	Published Vendor information review or signed OEM compliance attestation.		
7	Filter Impedance	The nominal filter impedance must be 50 ohms.	Published vendor information review or signed OEM compliance attestation.		
8	Filter Insertion Loss	The filter insertion loss must not exceed 1.5 dB.	Published vendor information review or signed OEM compliance attestation.		
9	Power Handling	The filter must operate with a CW input power of at least 2 watts.	Published Vendor information review or signed OEM compliance attestation.		
10	RF Connector Type	The input and output RF connectors must be female N type.	Published vendor information review or signed OEM compliance attestation.		
11	Filter Weight	The maximum filter weight shall not exceed 2.5 kg.	Published vendor information review or signed OEM compliance attestation.		

12	Filter Dimensions	L x W x H must be less than or equal to 60 x 10 x 12 centimeters.	Published Vendor information review or signed OEM compliance attestation.		
13	Corrosion Protection	The exterior surfaces of the filter must be protected from corrosion.	Published vendor information review or signed OEM compliance attestation.		