

ANNEX 1: Mandatory Requirements Evaluation for 1500 MHz Radio Frequency Filter Kit

Item#	Category	Required Specification	Evaluation Method	Cross Reference to Bid
General	Filter Kit:			
1		single, compact, hard carrying	Published vendor product information review <u>or</u> Proof of compliance	
Coverage	e band 1500 MHz to 30	00 MHz		
2	Filter Type	tunable, bandpass filter.	Published vendor product information review <u>or</u> Proof of compliance	
3	,	form factor of an enclosed "brick"	Published vendor product information review <u>or</u> Proof of compliance	
4	Frequency Coverage	required center frequency operating range without any gaps.	Published vendor product information review <u>or</u> Proof of compliance	
5	frequency	frequency of the filter must be less	Published vendor product information review <u>or</u> Proof of compliance	
6	· ·	frequency of the filter must be	Published vendor product information review <u>or</u> Proof of compliance	
7		frequency dependent nominal 3 dB	Published vendor product information review <u>or</u> Proof of compliance	
8	Passband Ripple	The passband ripple must not exceed +/- 1 dB across the entire	Published vendor product information review <u>or</u> Proof of compliance	
9	External Tuning Control	The filter must be user tunable by the means of a single tuning	Published vendor product information review <u>or</u> Proof of compliance	
10	Tuning Scale	The filter must provide an integrated, mechanical, readout to	Published vendor product information review <u>or</u> Proof of compliance	
11	Tuning Scale Accuracy	The integrated tuning readout must offer a minimum accuracy of 2 % of	Published vendor product information review <u>or</u> Proof of compliance	
12	Filter Impedance	50 ohms.	Published vendor product information review <u>or</u> Proof of compliance	
13		exceed 3.0 dB across the entire	Published vendor product information review <u>or</u> Proof of compliance	

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14	Filter VSWR		Published vendor product	
		across the entire required frequency	information review <u>or</u>	
		range must not exceed 1.5:1.	Proof of compliance	
15	Power Handling	The filter must be capable of	Published vendor product	
		handling a CW input power of 10	information review <u>or</u>	
		watts.	Proof of compliance	
16	RF Connector Type	The input and output RF connectors	Published vendor product	
		must be female N type.	information review <u>or</u>	
			Proof of compliance	
17	Filter Dimensions	L x W x H must be less than or equal	Published vendor product	
		to 20 x 10 x 10 centimeters	information review <u>or</u>	
			Proof of compliance	
18	Operating	The filter must be able to function	Published vendor product	
	Temperature	within required specifications at	information review <u>or</u>	
		room temperature.	Proof of compliance	
19	Corrosion Protection	The exterior surfaces of the filter	Published vendor product	
		must be protected from corrosion.	information review <u>or</u>	
			Proof of compliance	