



SUMMARY TEST DATA ON HPF-4G18G-CD-SFF

Customer: DEMO-PMI
SO No: _____
Model No: HPF-4G18G-CD-SFF
Serial No: DEMO-PMI

Tested By: A. Lopez
Temperature: +25°C
Date: 10/26/2021
Drawing No: 27638360 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
			+25°C	
1	PASSBAND:	6 to 18.0 GHz	Pass 6 to 18GHz See Plot	
2	3dB CUTOFF:	5.5 GHz	1.47 dB See Plot	
3	VSWR IN THE PASS BAND:	2.0:1 Max.	1.36:1 See Plot	
4	INSERTION LOSS (Passband):	1.5 dB Max.	0.62 dB See Plot	
5	REJECTION FROM 1 to 2 GHz:	60 dB	72 dB See Plot	
6	INPUT POWER:	80 Watts Max.	Pass 80 Watts See Graph	

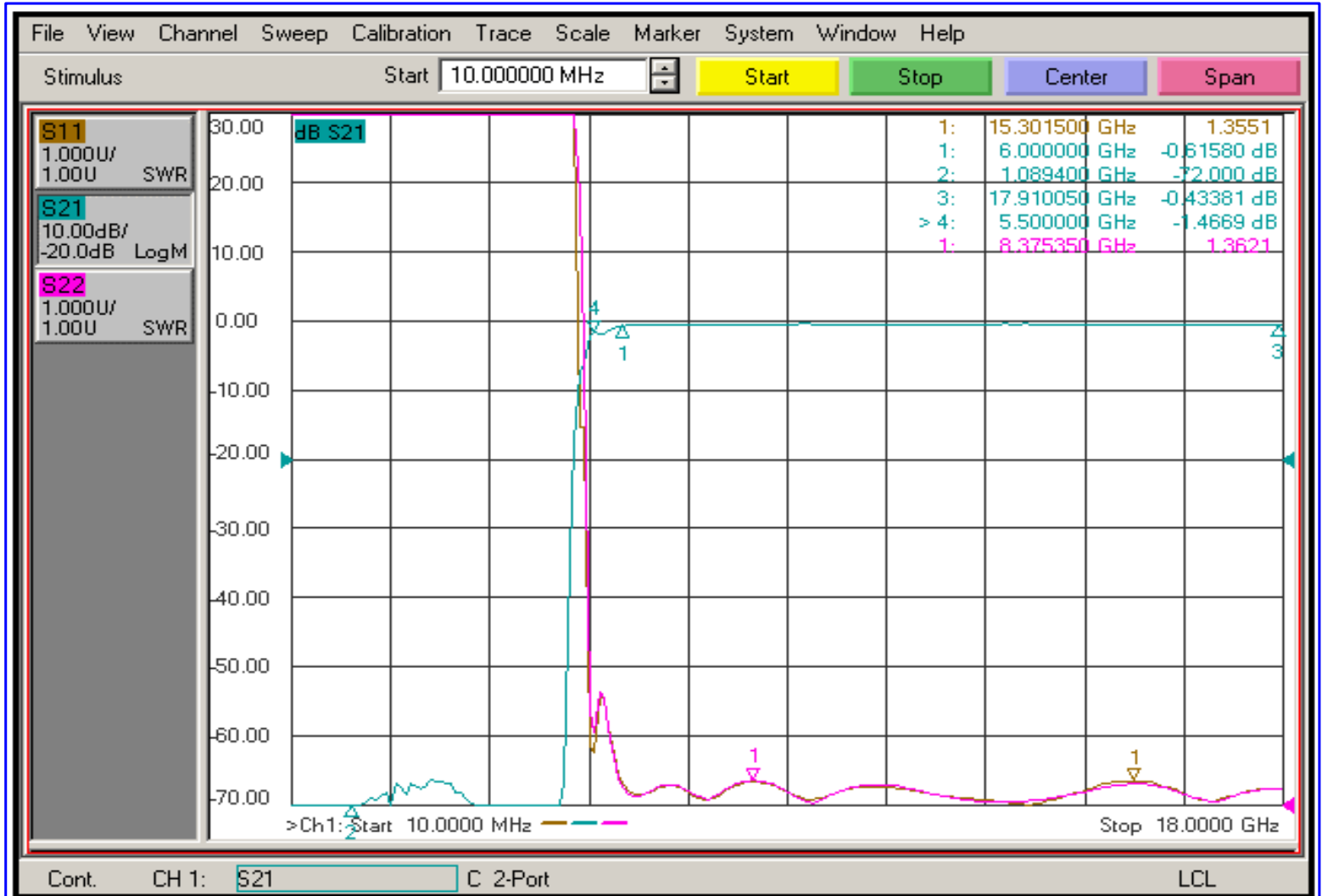
QA/QC Approval: _____

Date: _____



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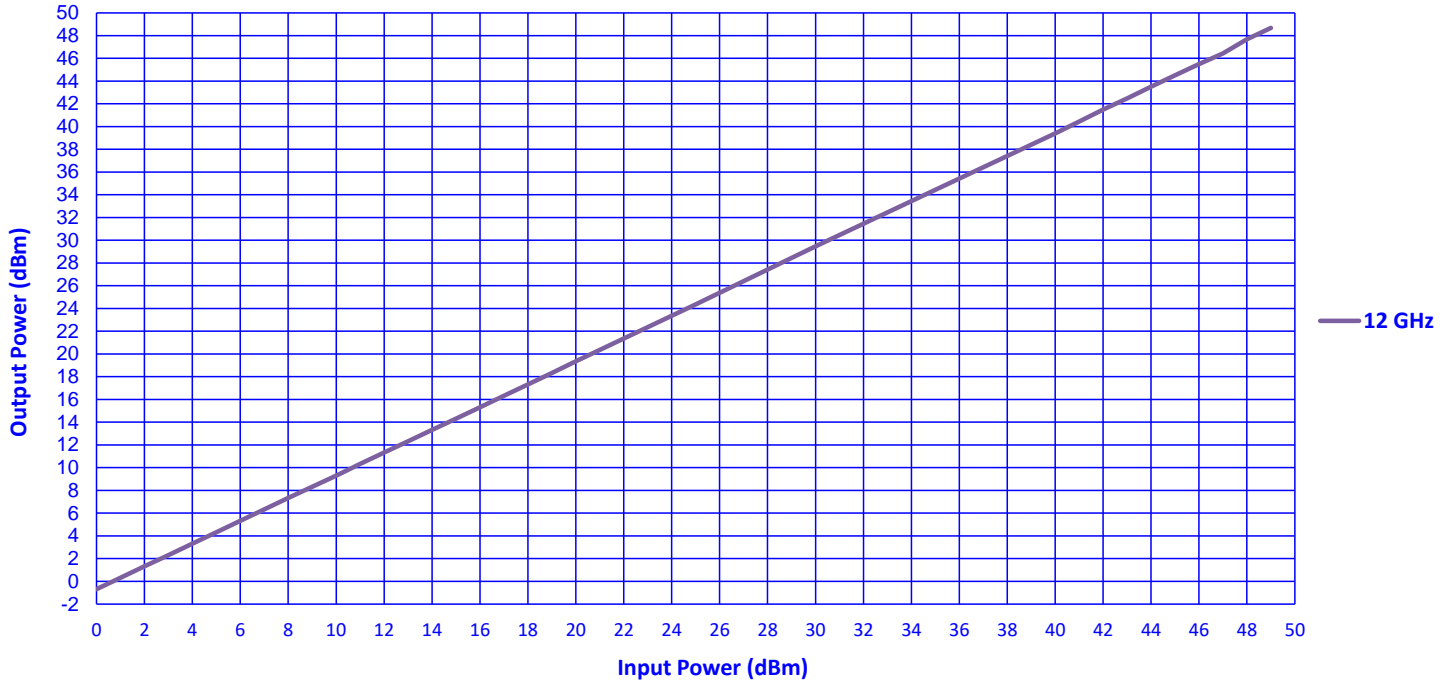
Passband Insertion Loss, VSWR





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High Power Test Graph



High Power Test Data				Power Input (Watts)
12 GHz				
Power In (dBm)	Power Out (dBm)	Loss	Compression (dBm)	
0	-0.684	0.684	0.000	
1	0.319	0.681	0.003	
2	1.324	0.676	0.008	
3	2.315	0.685	0.001	
4	3.318	0.682	0.002	
5	4.321	0.679	0.005	
6	5.326	0.674	0.010	
7	6.331	0.669	0.015	
8	7.330	0.670	0.014	
9	8.324	0.676	0.008	
10	9.311	0.689	0.005	
11	10.329	0.671	0.013	
12	11.328	0.672	0.012	
13	12.326	0.674	0.010	
14	13.319	0.681	0.003	
15	14.315	0.685	0.001	
16	15.312	0.688	0.004	
17	16.317	0.683	0.001	
18	17.324	0.676	0.008	
19	18.336	0.664	0.020	
20	19.357	0.643	0.041	
25	24.360	0.640	0.044	
30	29.466	0.534	0.150	
35	34.446	0.554	0.130	
40	39.400	0.600	0.084	
41	40.446	0.554	0.130	
42	41.500	0.500	0.184	
43	42.480	0.520	0.164	
44	43.500	0.500	0.184	
45	44.520	0.480	0.204	
46	45.500	0.500	0.184	40 watts
47	46.447	0.553	0.131	50watts
48	47.680	0.320	0.364	63 Watts
49	48.680	0.320	0.364	80 Watts