

Part No. WATT-6SR1211

6GHz 121dB,1&10dB/Step 1W SMA Rotary Attenuator



Features:

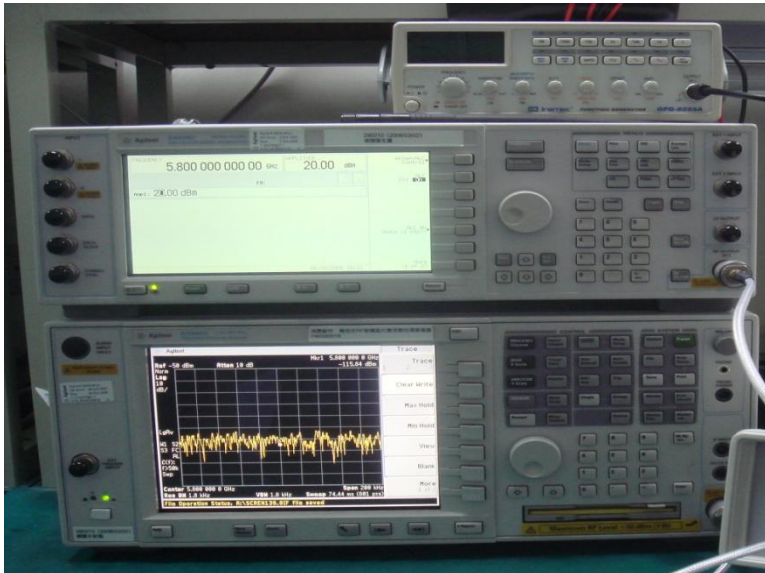
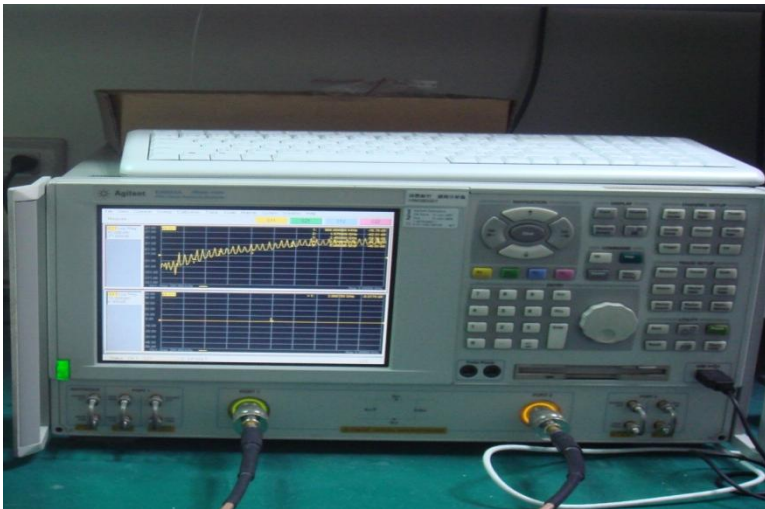
- Smallest models made
- Low VSWR

Electrical Specification	
Frequency	DC-6GHz
Attenuation Range	0-121dB 1&10dB/Step
Attenuation Accuracy	1dB/Step:±(Attenuation Value x 5%+0.4)dB 10dB/Step:±5%
Insertion Loss	1.4dB +0.2dB/GHz
V.S.W.R	1.7:1 max
Input Power	1W (AVG) 100W(Peak)
Connector	SMA
Impedance	50 ohm
Dimension	140mm x 75mm

Mechanical Specification	
Switching Cycle	100,000 Times

Test Condition

1. Test Equipment :Agilent E4438C ESG Vector Signal Generator 250kHz~6.0GHz
2. Test Equipment :Agilent E4440A PSA Series Spectrum Analyzer 3Hz-26.5GHz
3. Test Equipment :Agilent E8803A PNA Series Network Analyzer 300kHz~9.0GHz
4. Testing Adapter :N(M)-SMA(F)
5. Testing Cable :SMA(M)-SMA(M) for RG400 40cm

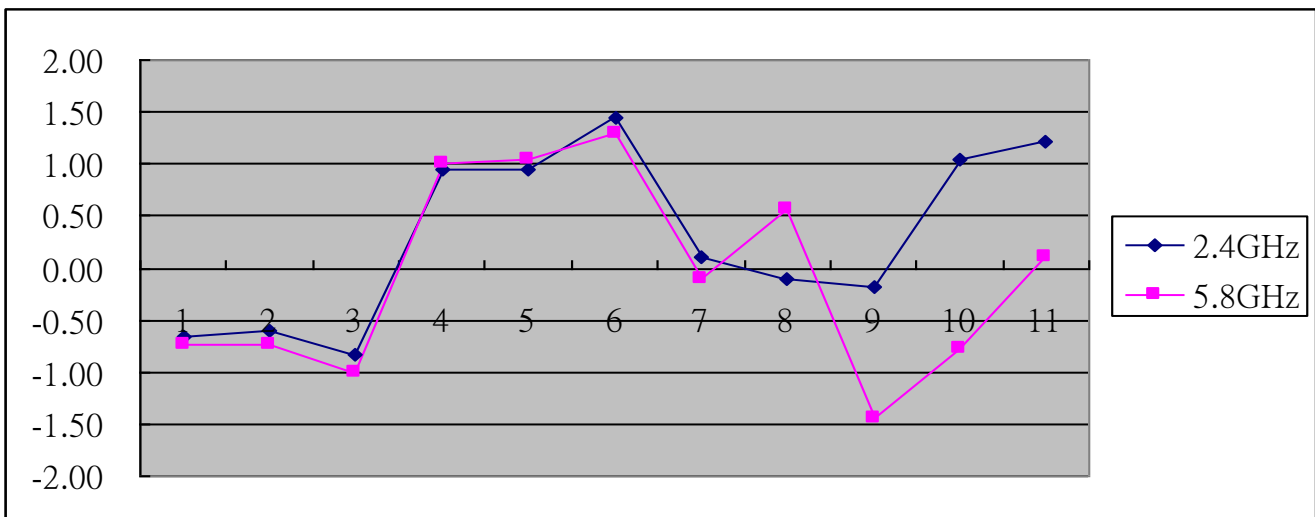


VNA	2.4G	5.8G
Condition Offset	0.00	0.00

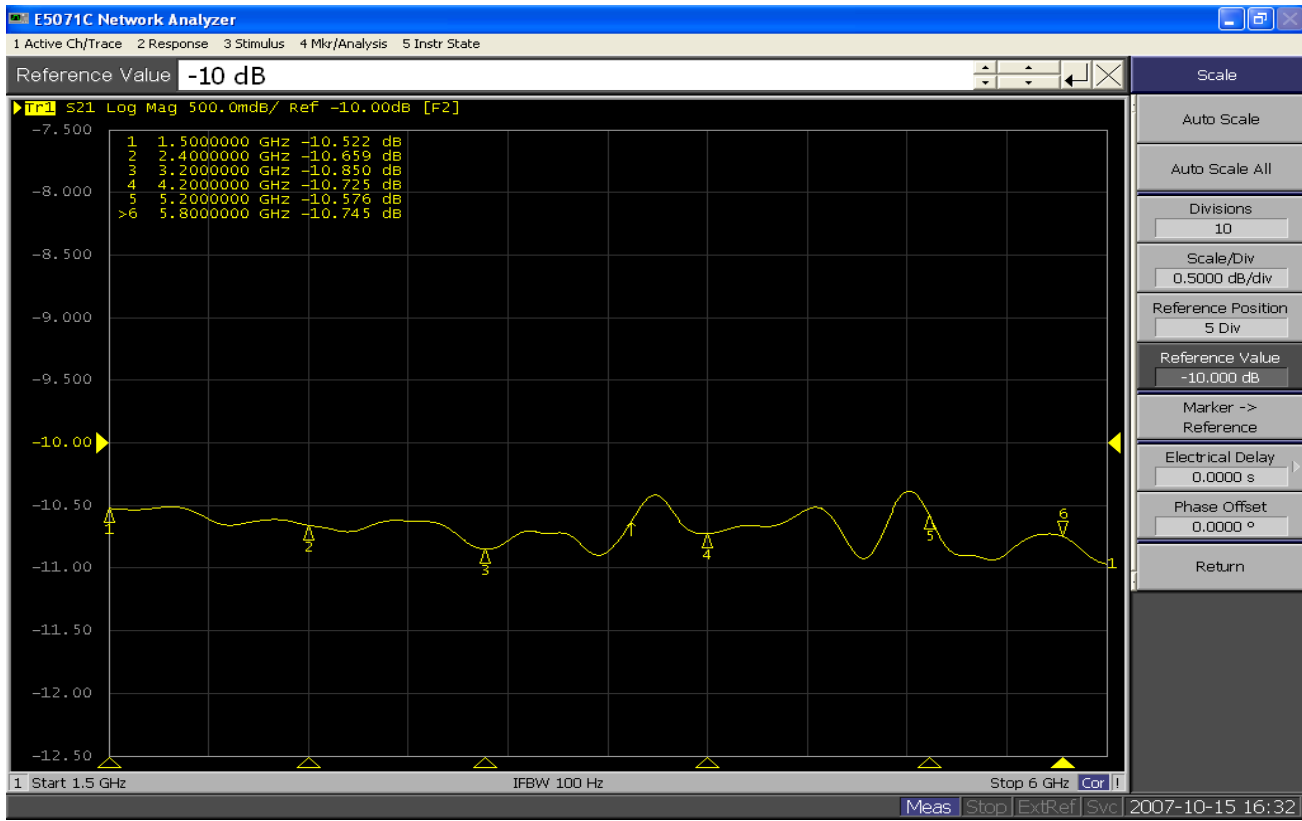
VSA	2.4G	5.8G
Condition Offset	0.00	-1.50
CBL lose	-0.80	-3.80
Total Offset	-0.80	-5.30

VNA Test Data	2.4G	5.8G	
10	-10.66	-10.75	VNA
20	-20.61	-20.73	
30	-30.83	-31.00	
40	-39.05	-38.99	
48.5	-47.56	-47.46	
59	-57.55	-57.70	
68	-67.89	-68.11	
76	-76.11	-75.44	
90	-70.98	-76.74	VSA
100	-79.75	-86.07	
110	-89.58	-95.2	

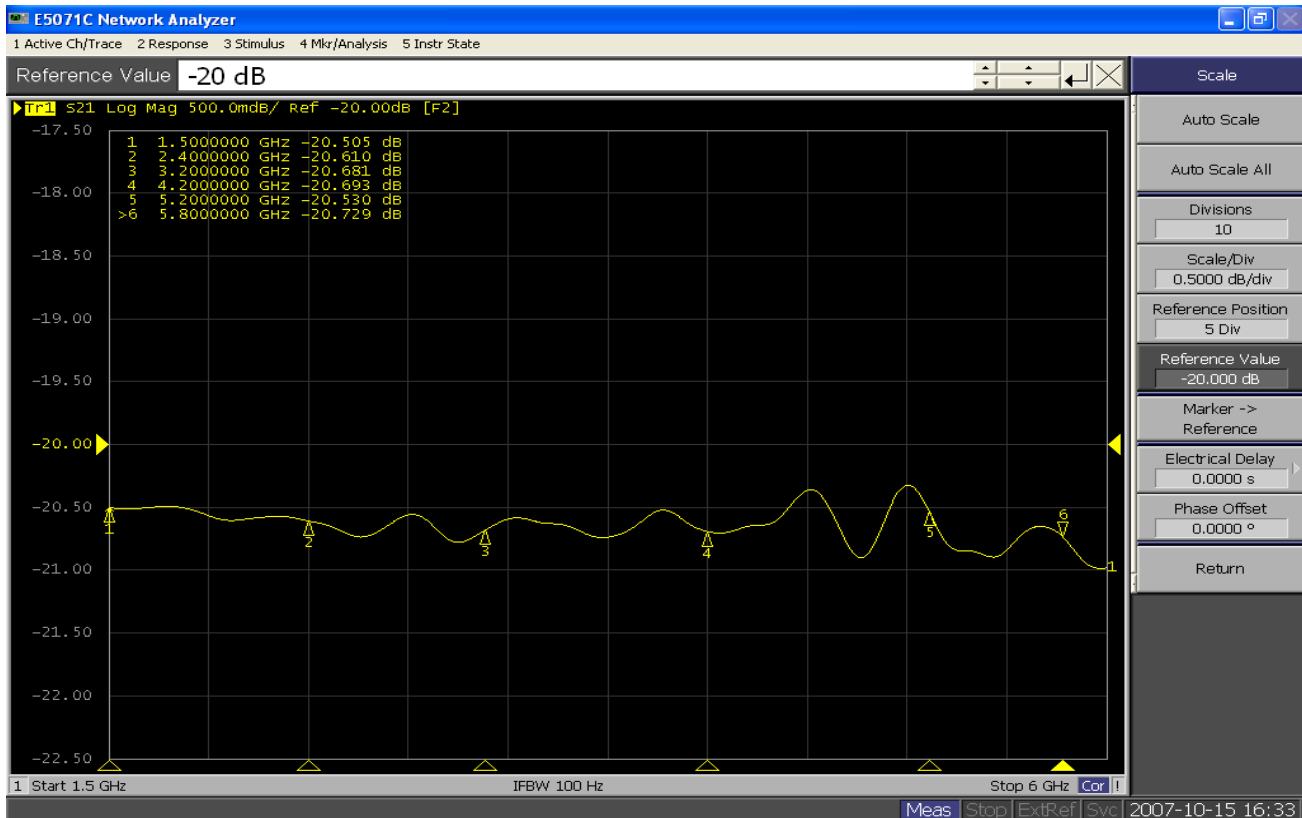
Accuracy	2.4GHz	5.8GHz
10	-0.66	-0.74
20	-0.61	-0.73
30	-0.83	-1.00
40	0.95	1.01
48.5	0.94	1.04
59	1.45	1.30
68	0.11	-0.11
76	-0.11	0.56
90	-0.18	-1.44
100	1.05	-0.77
110	1.22	0.10



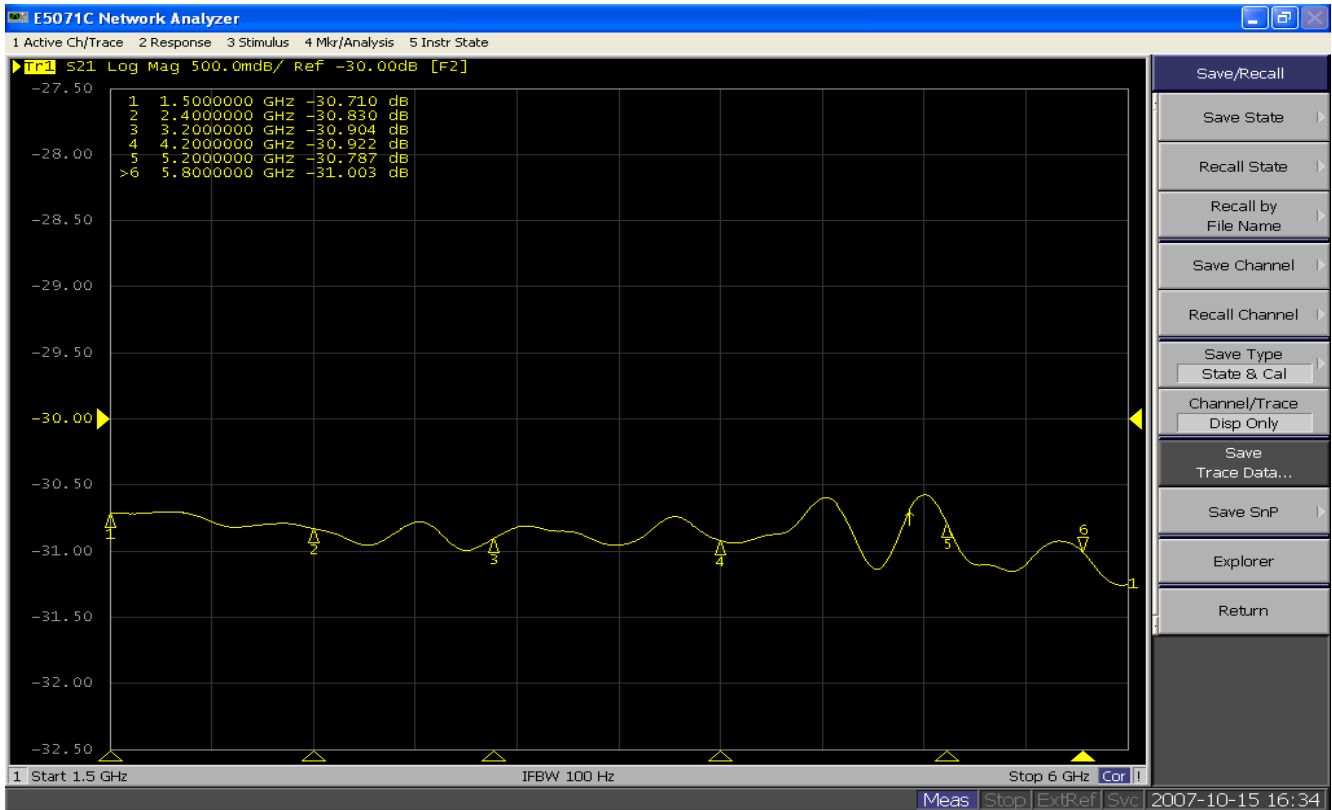
10dB



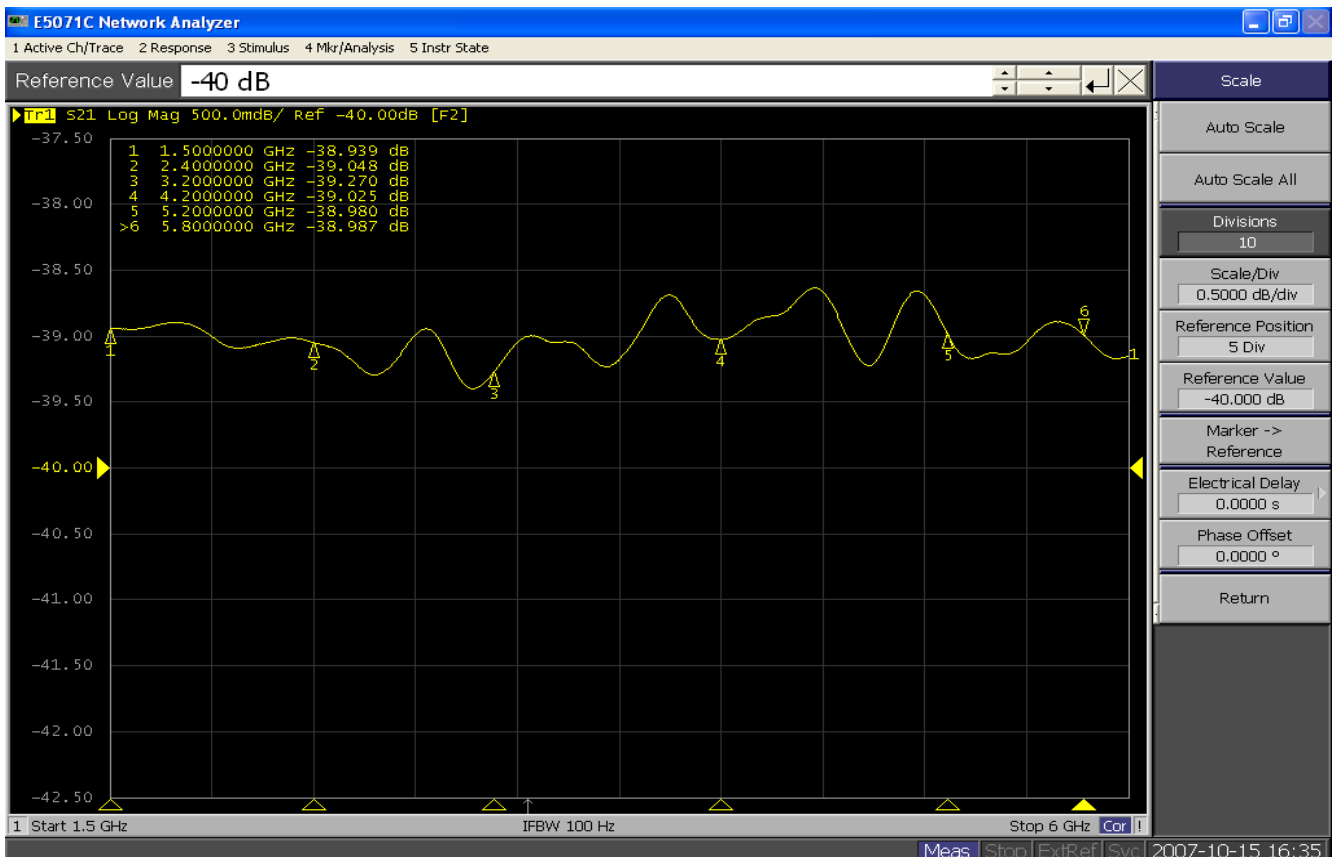
20dB



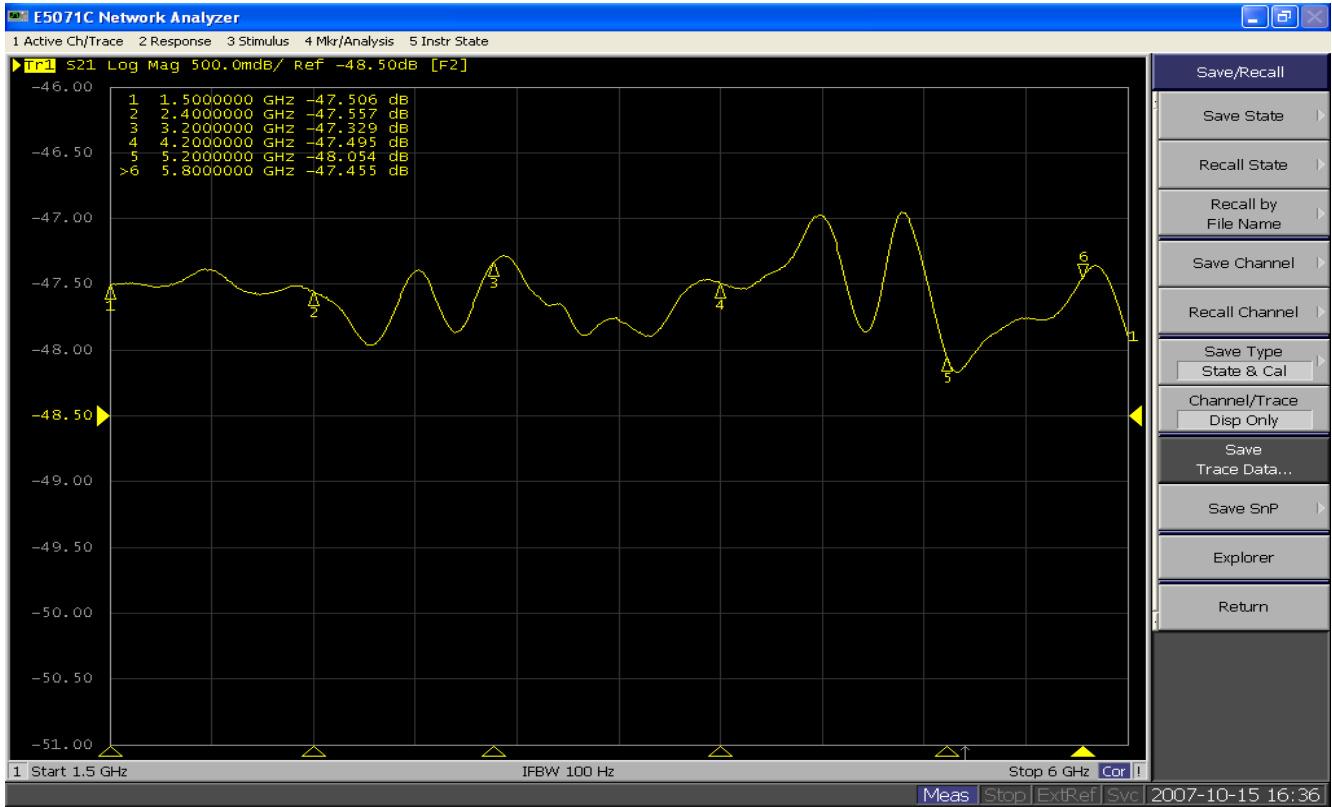
30dB



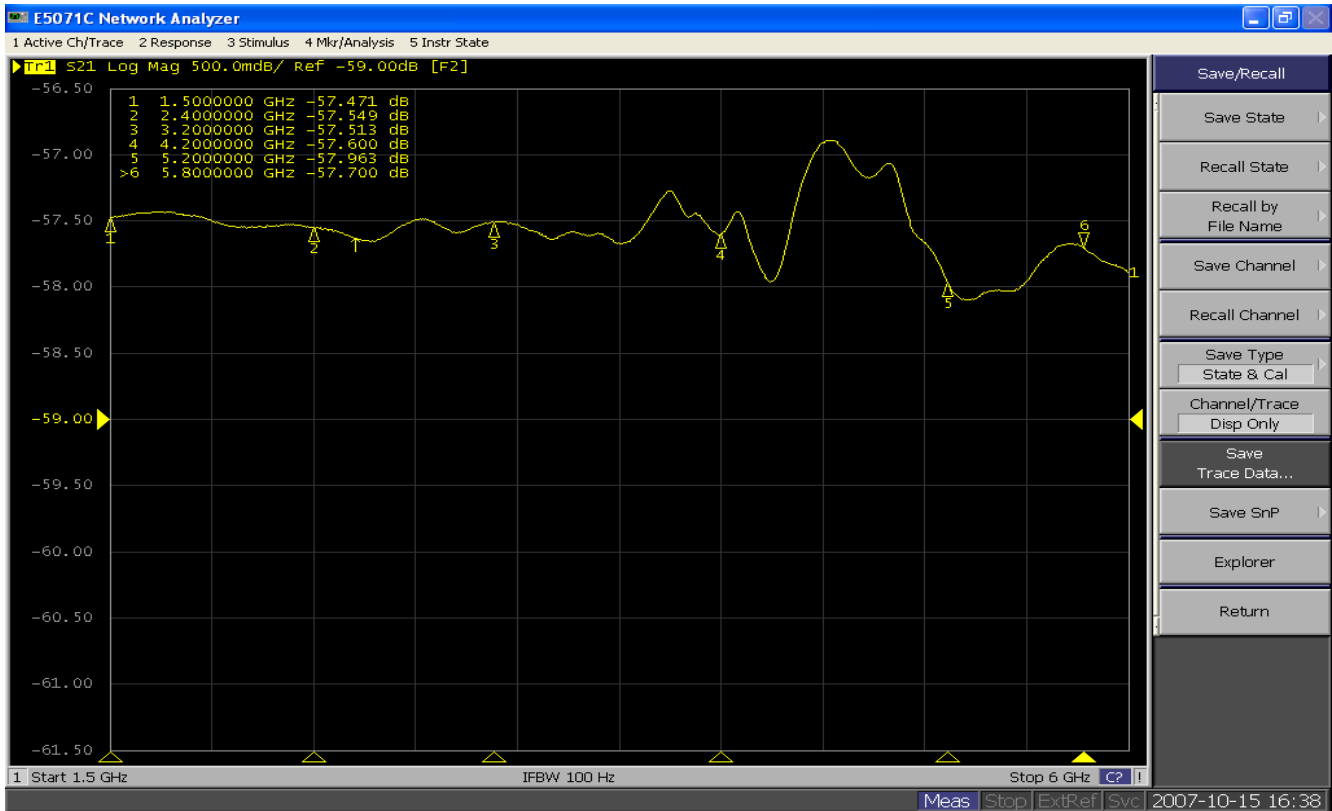
40dB



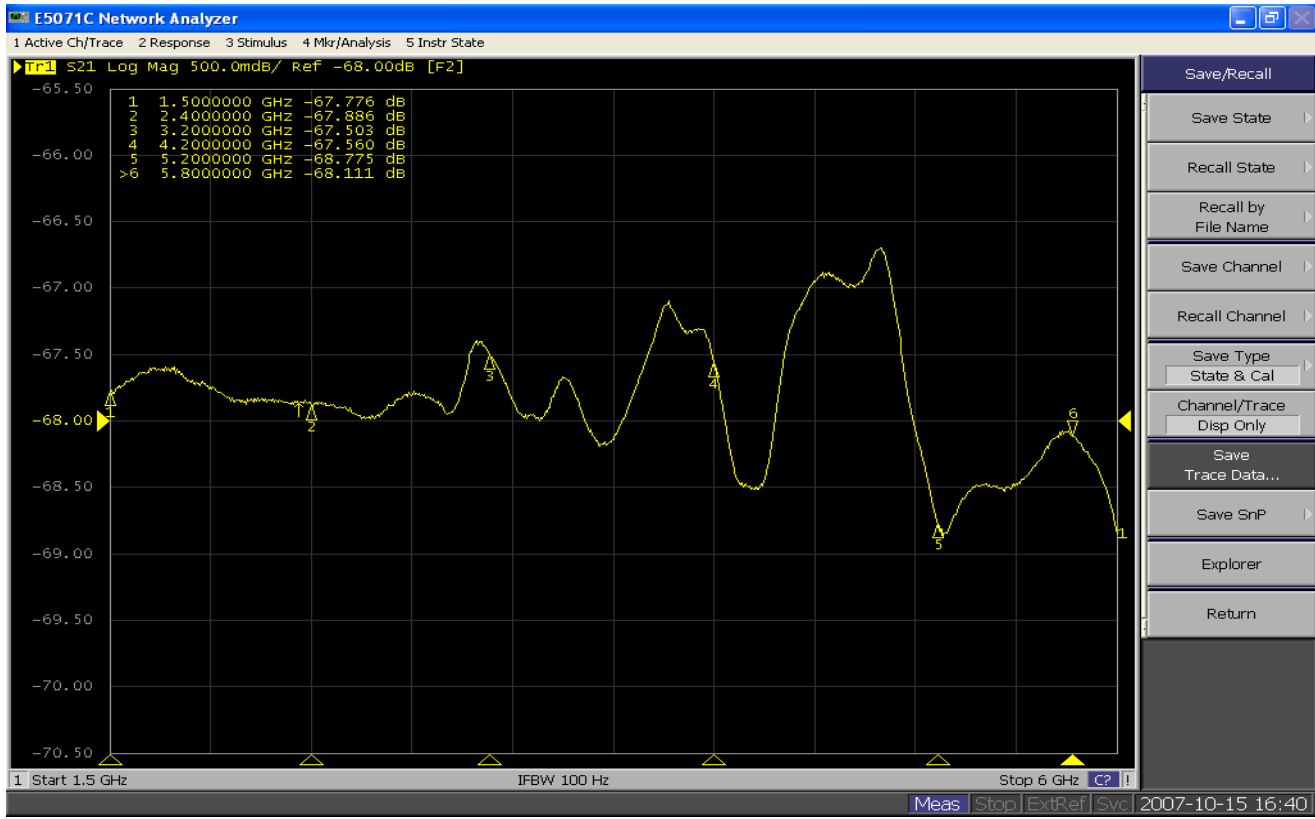
48.5dB



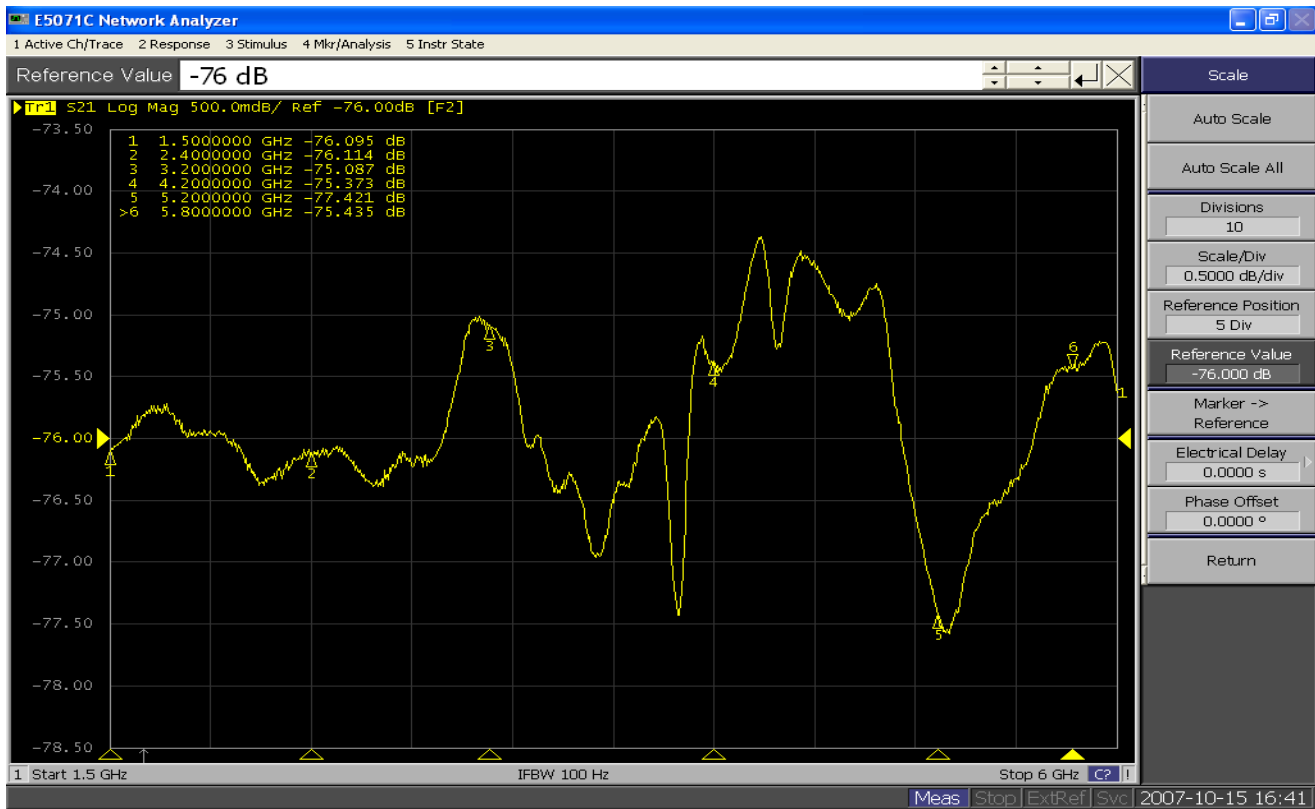
59dB



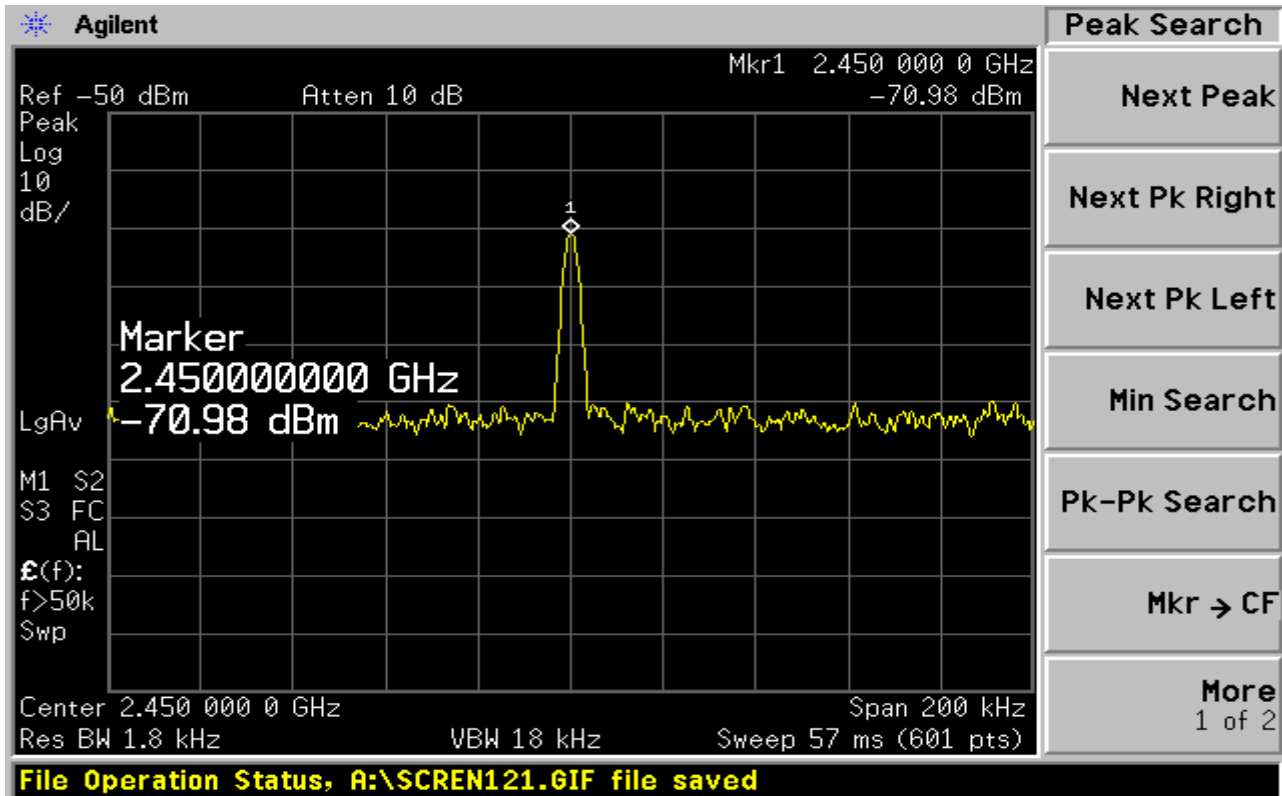
68dB



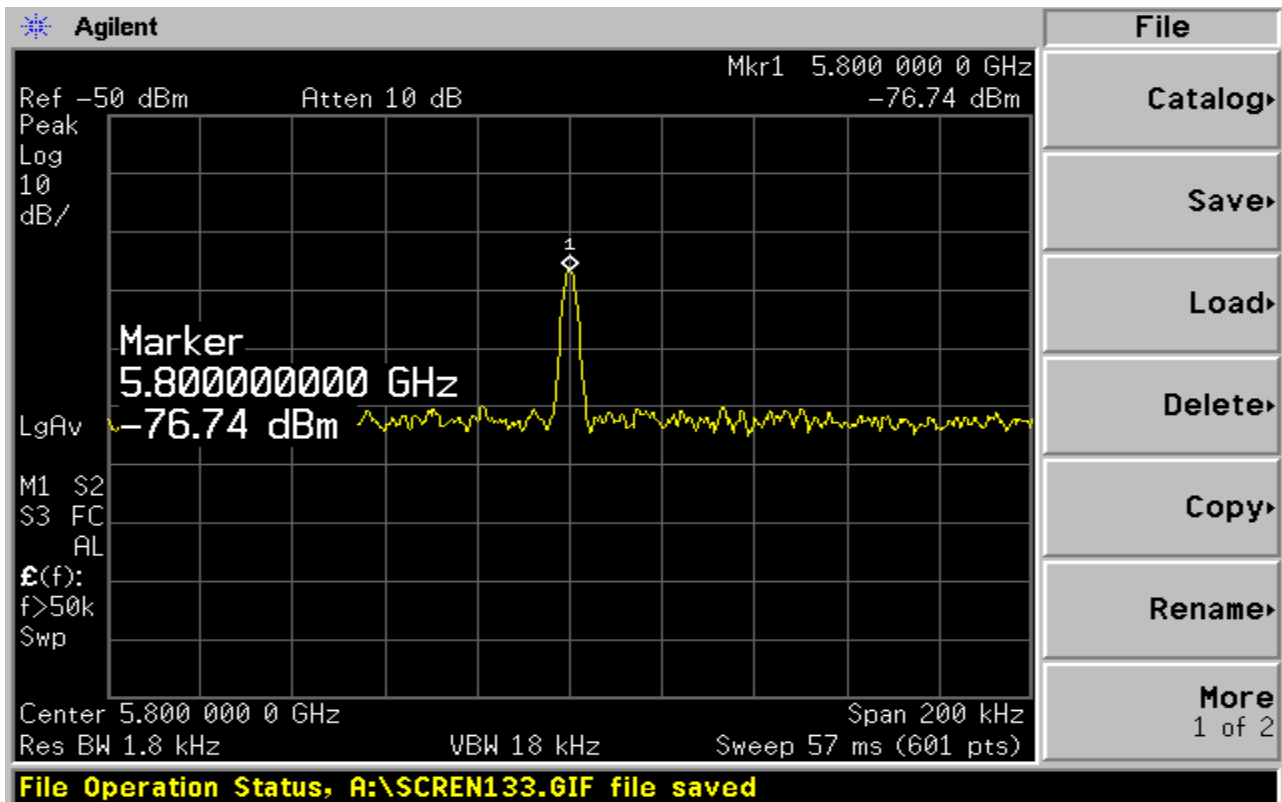
76dB



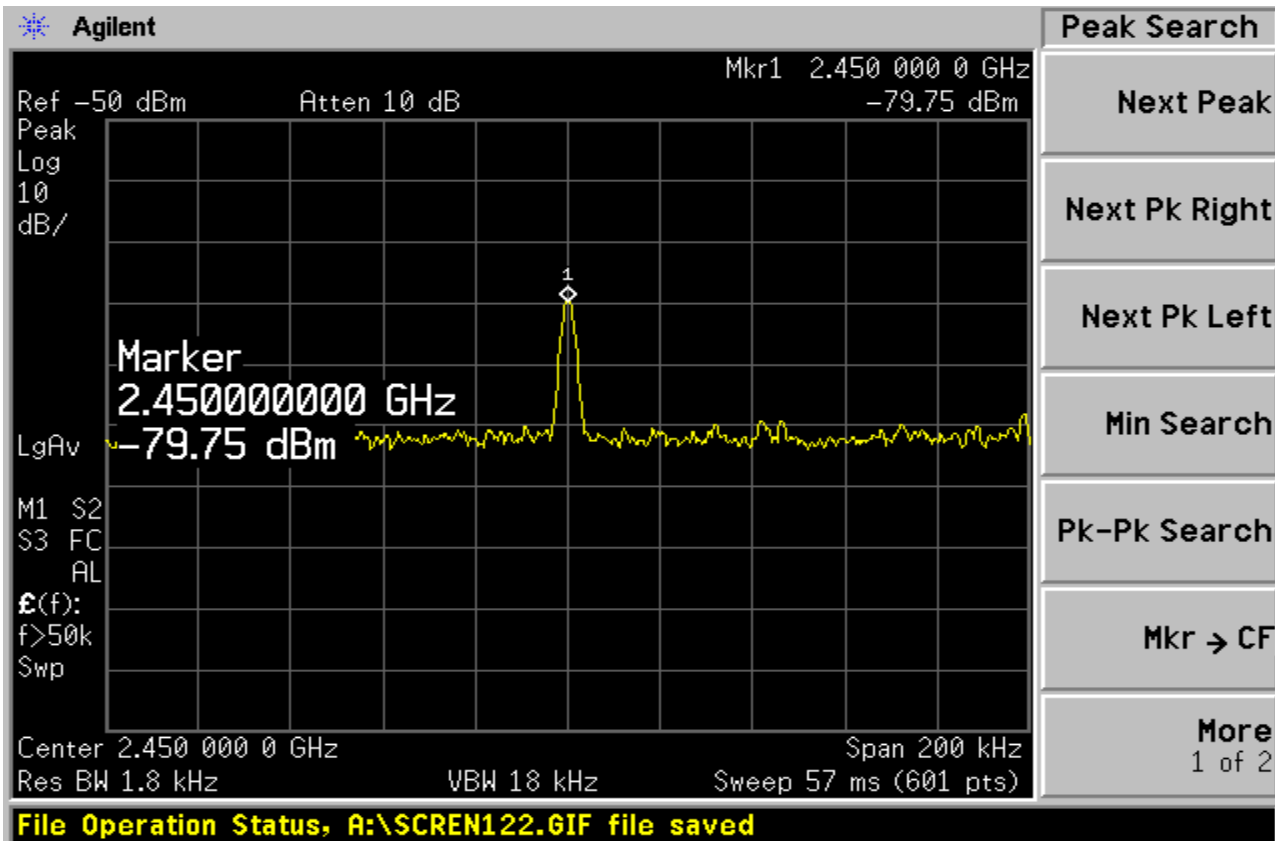
90dB @2.45G Power Meter Test



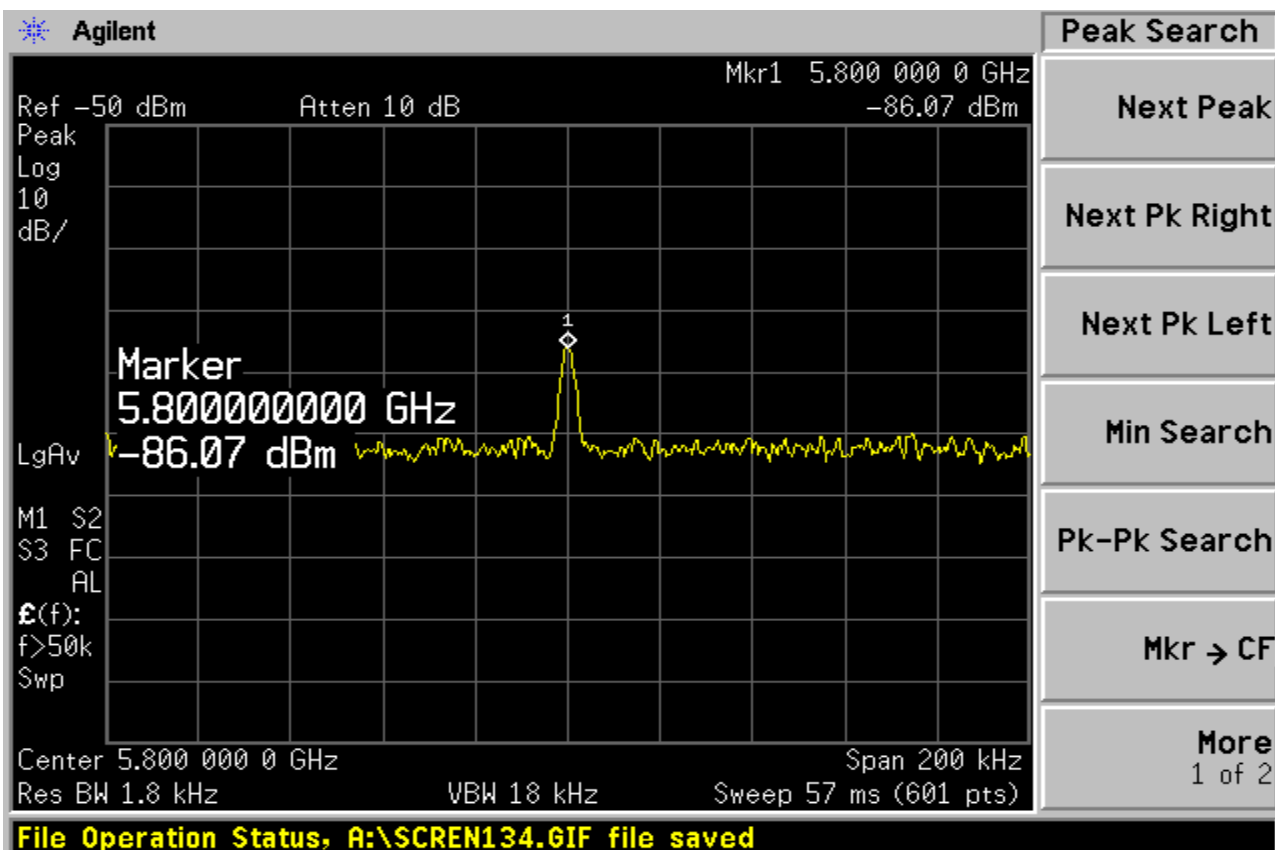
90dB @5.8G



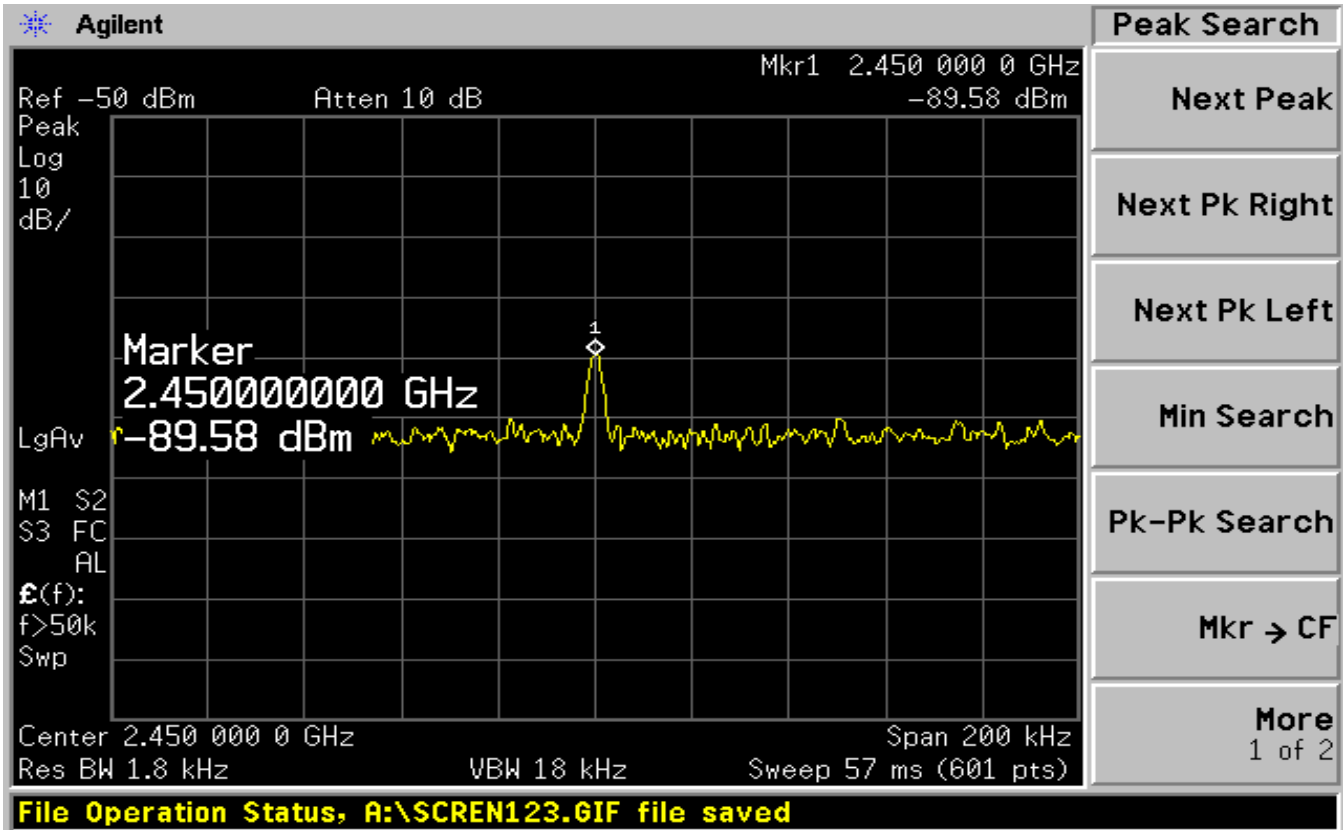
100dB @2.45G



100dB @5.8G



110dB @2.45G



110dB @5.8G

