

**Part No. WATT-6SR1101**

**6GHz 110dB,10dB/Step 1W SMA Rotary Attenuator**



**Features:**

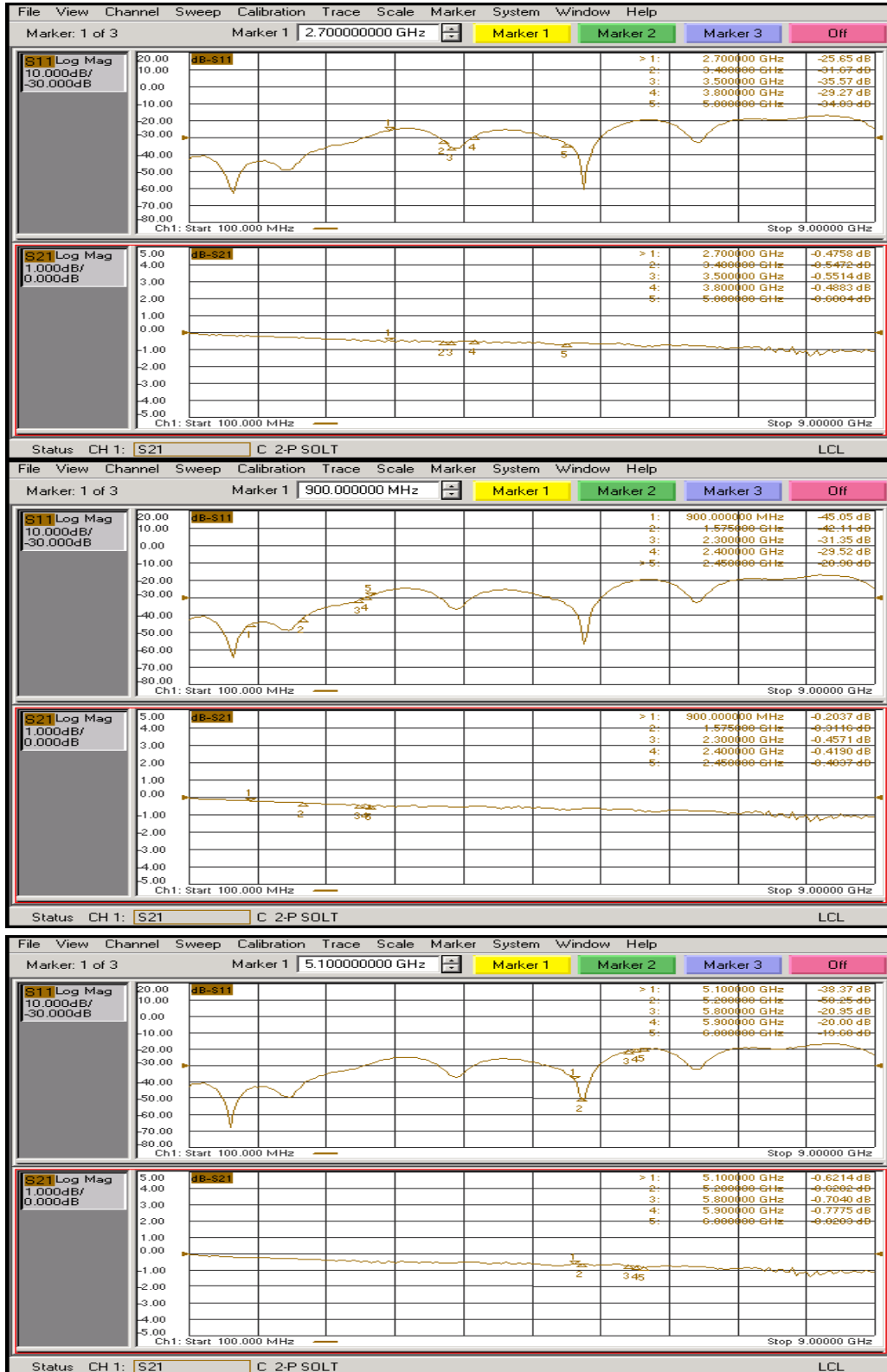
- Smallest models made
- Low VSWR

**Electrical Specification**

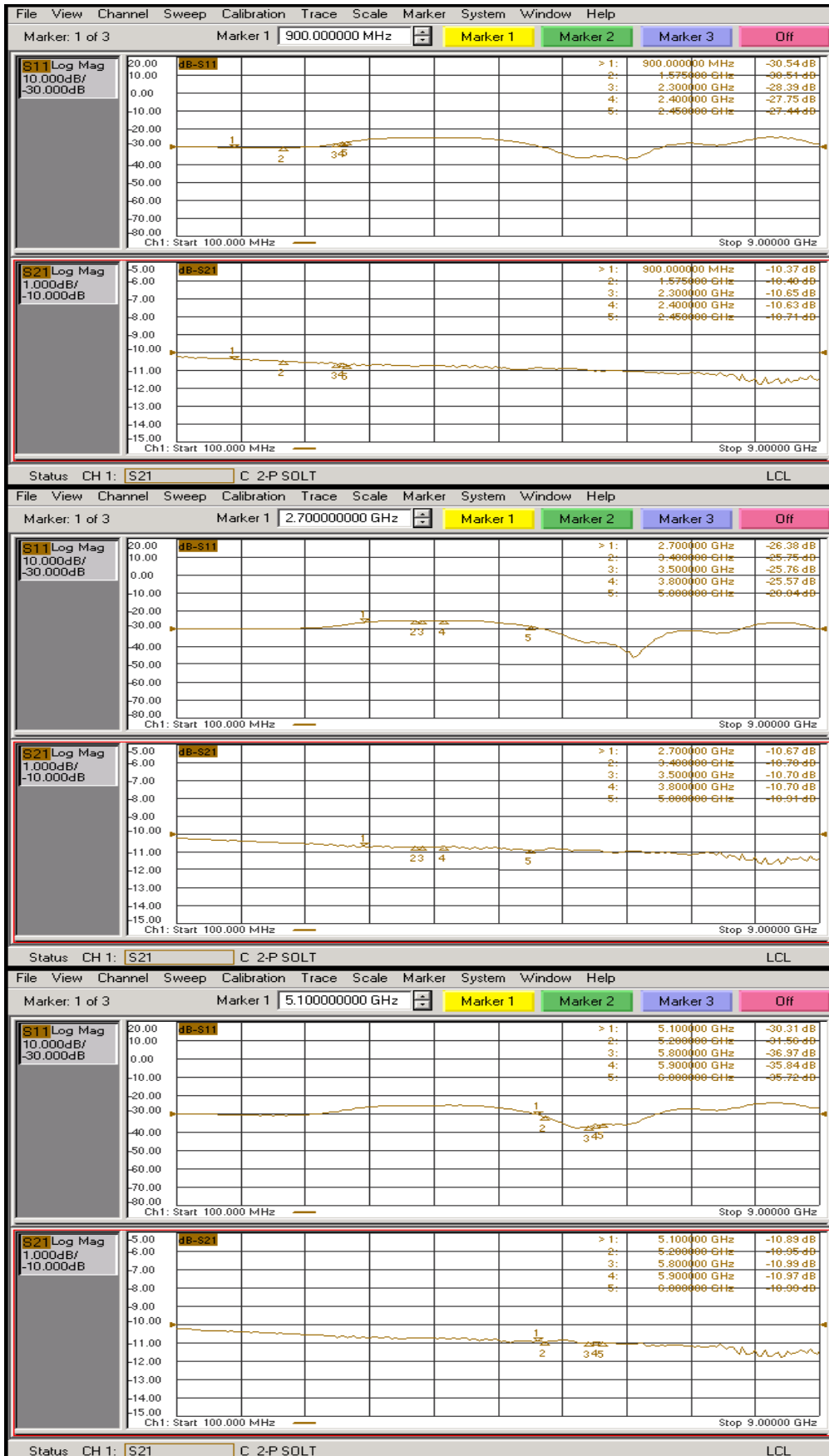
Frequency	DC-6GHz
Attenuation Range	0-110dB 10dB/Step
Attenuation Accuracy	±5%
Insertion Loss	0.7dB +0.1dB/GHz
V.S.W.R	1.6:1 max
Input Power	1W (AVG) 100W(Peak)
Connector	SMA
Impedance	50 ohm
Dimension	140mm x 75mm x 21mm

VNA Test

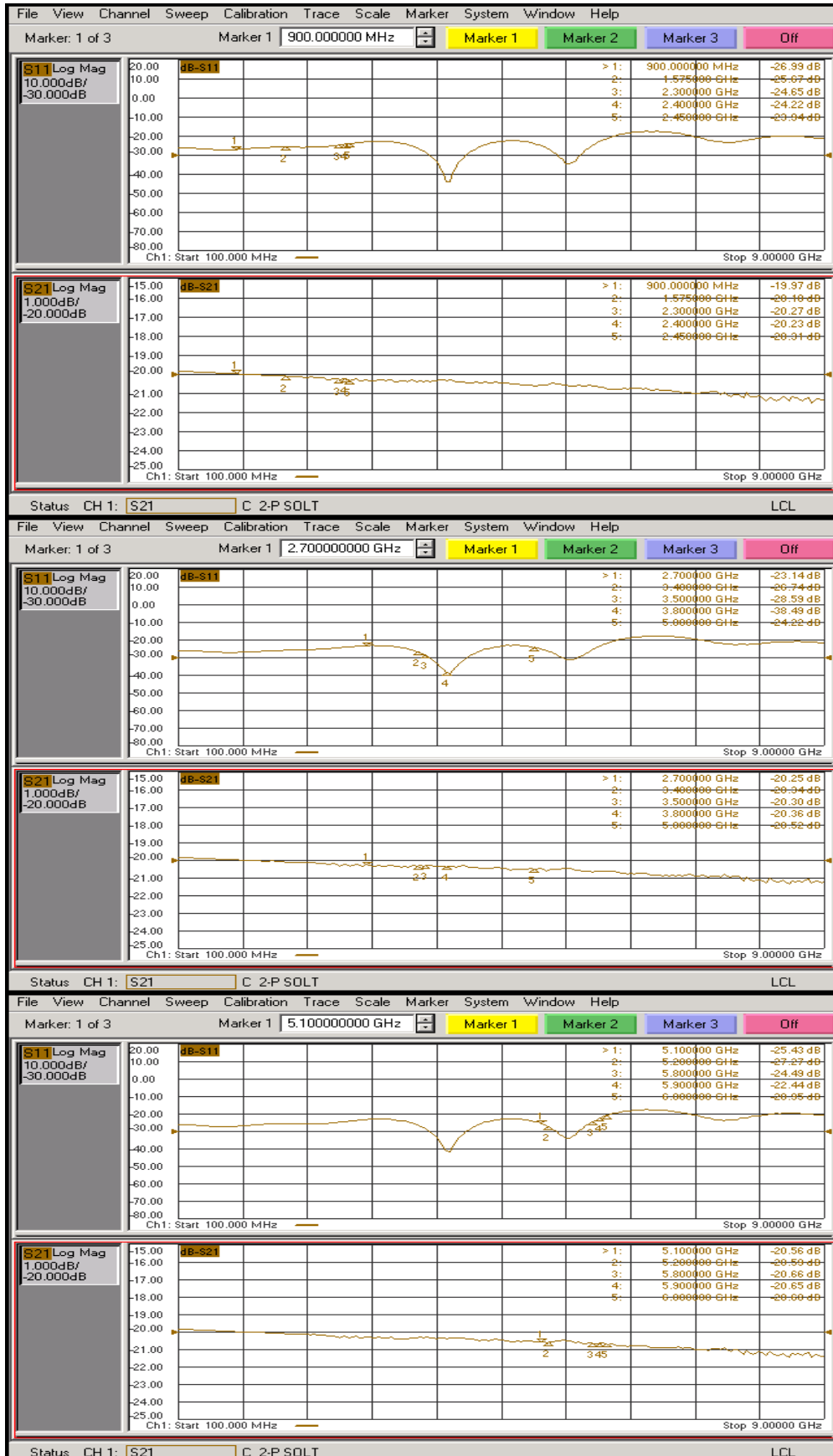
0dB



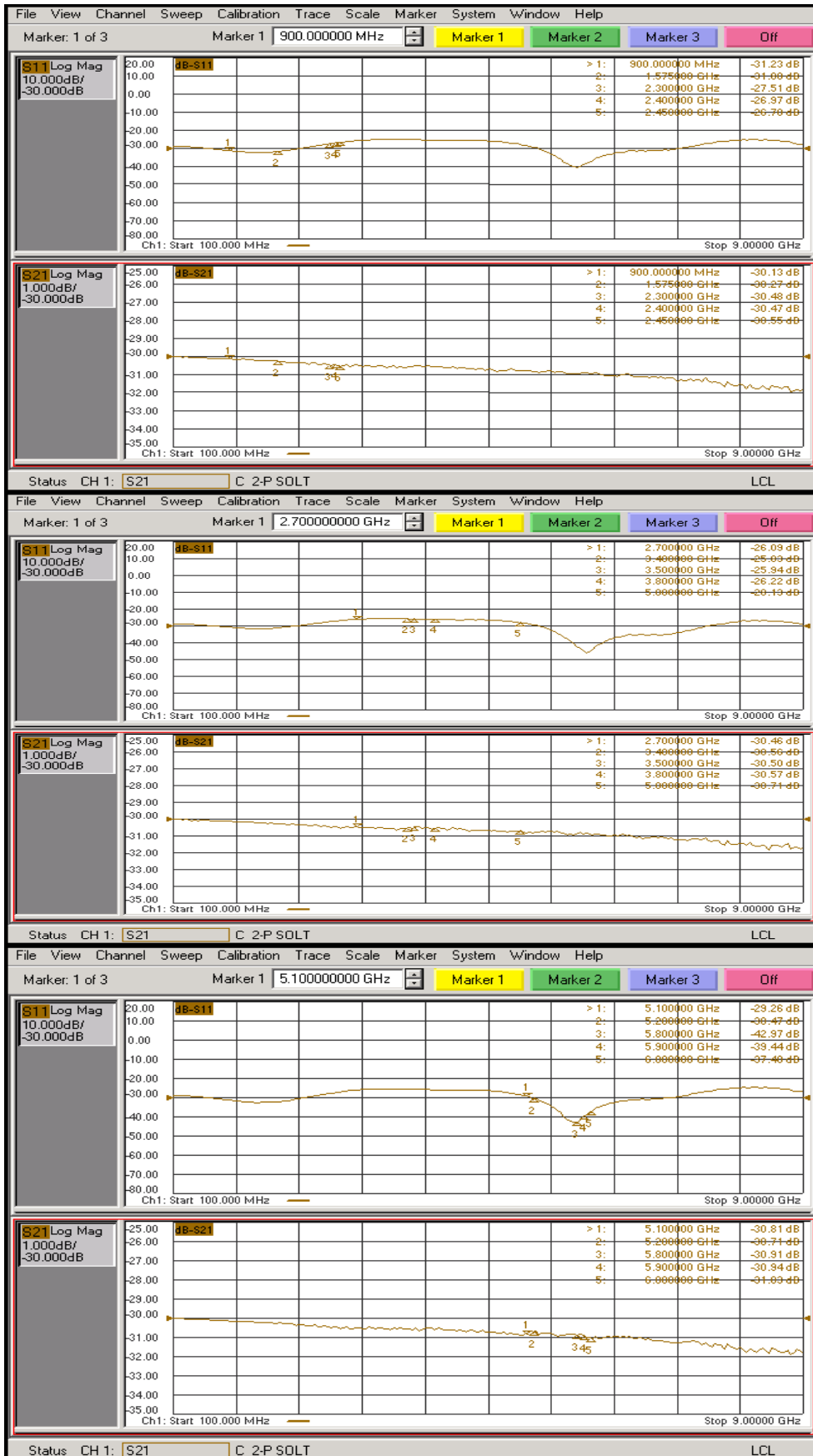
10dB



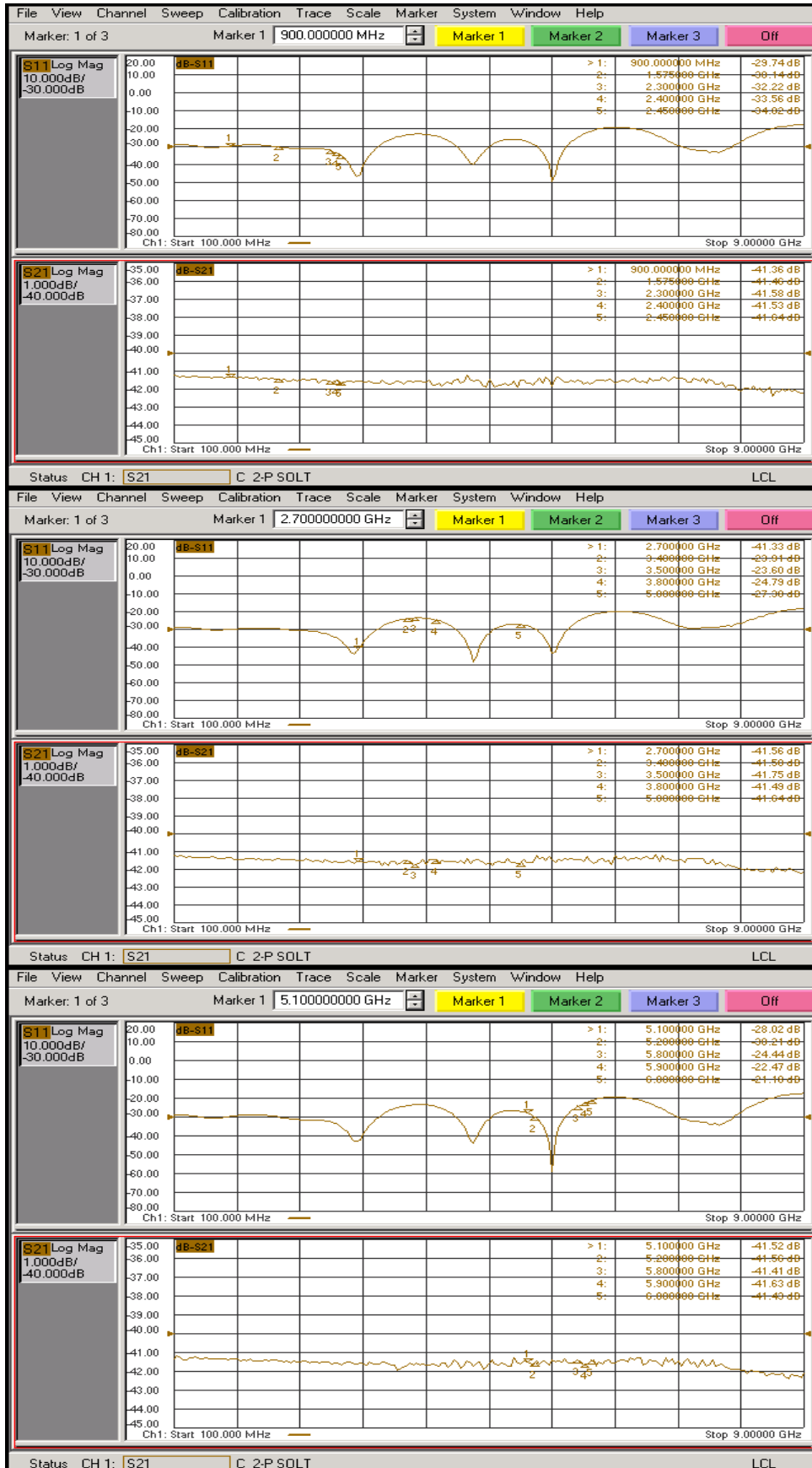
20dB



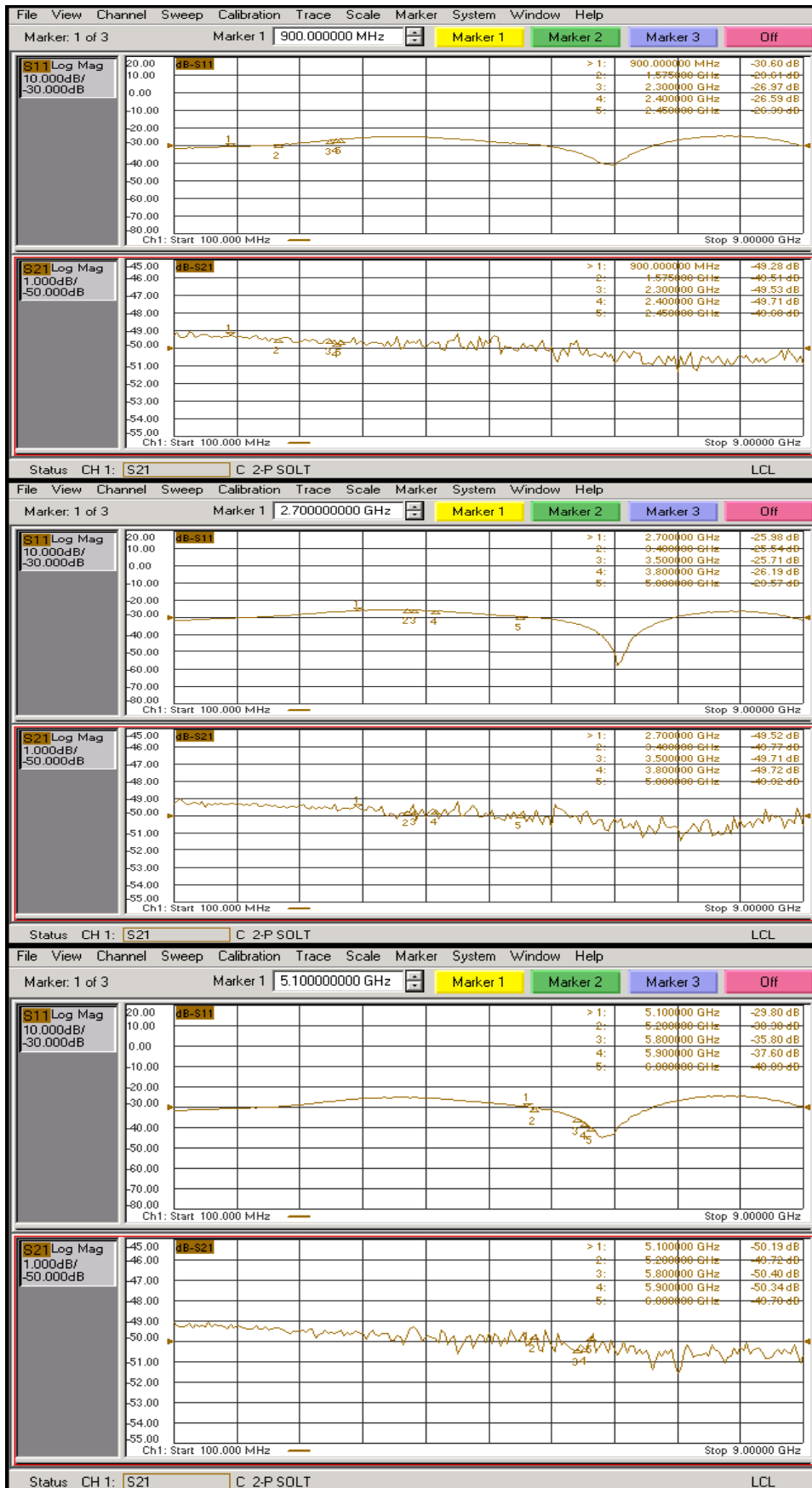
30dB



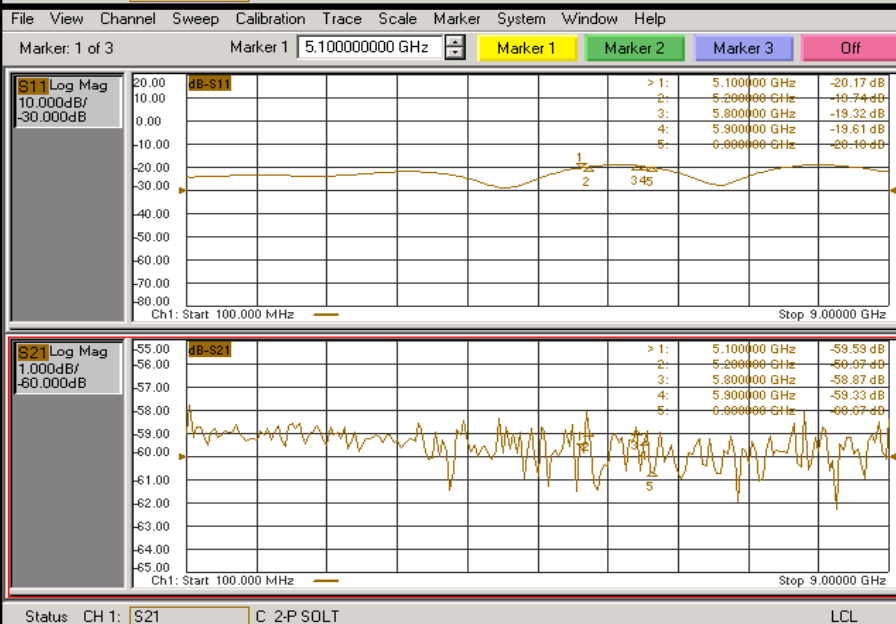
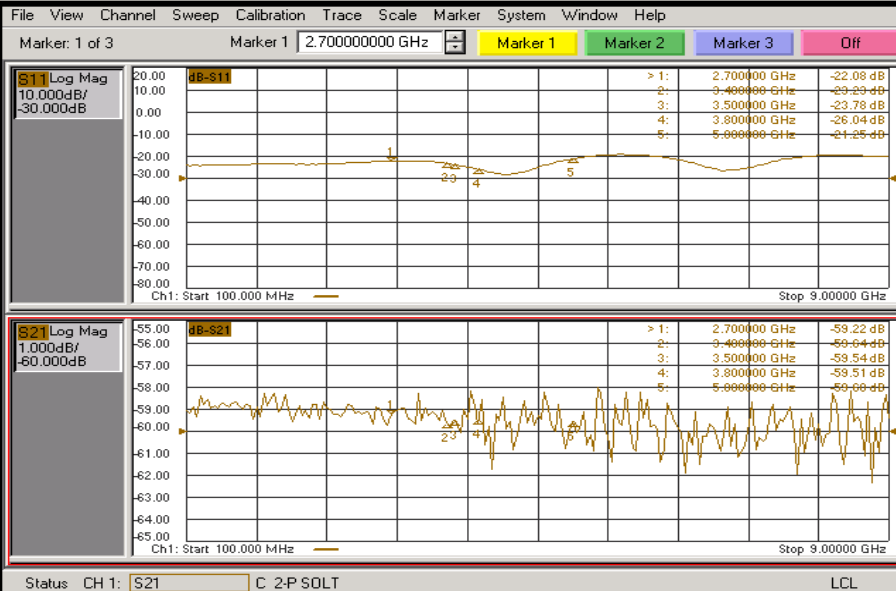
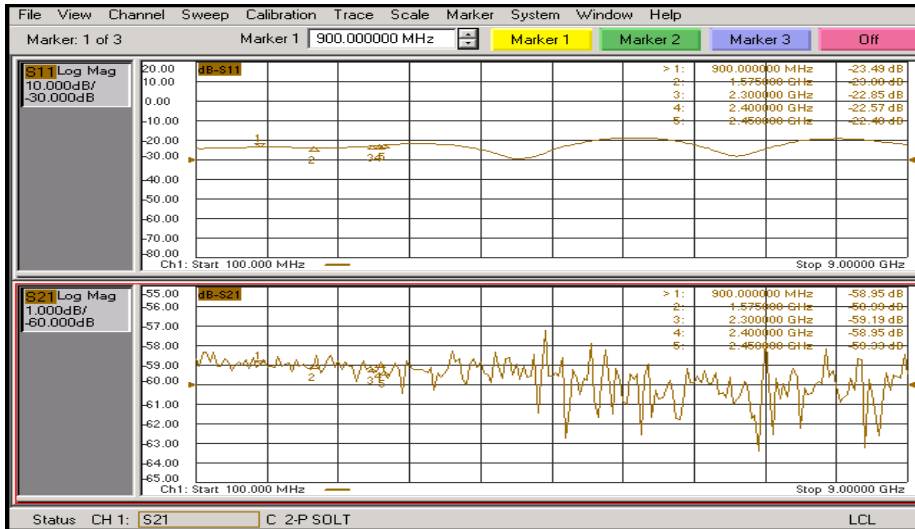
40dB



50dB

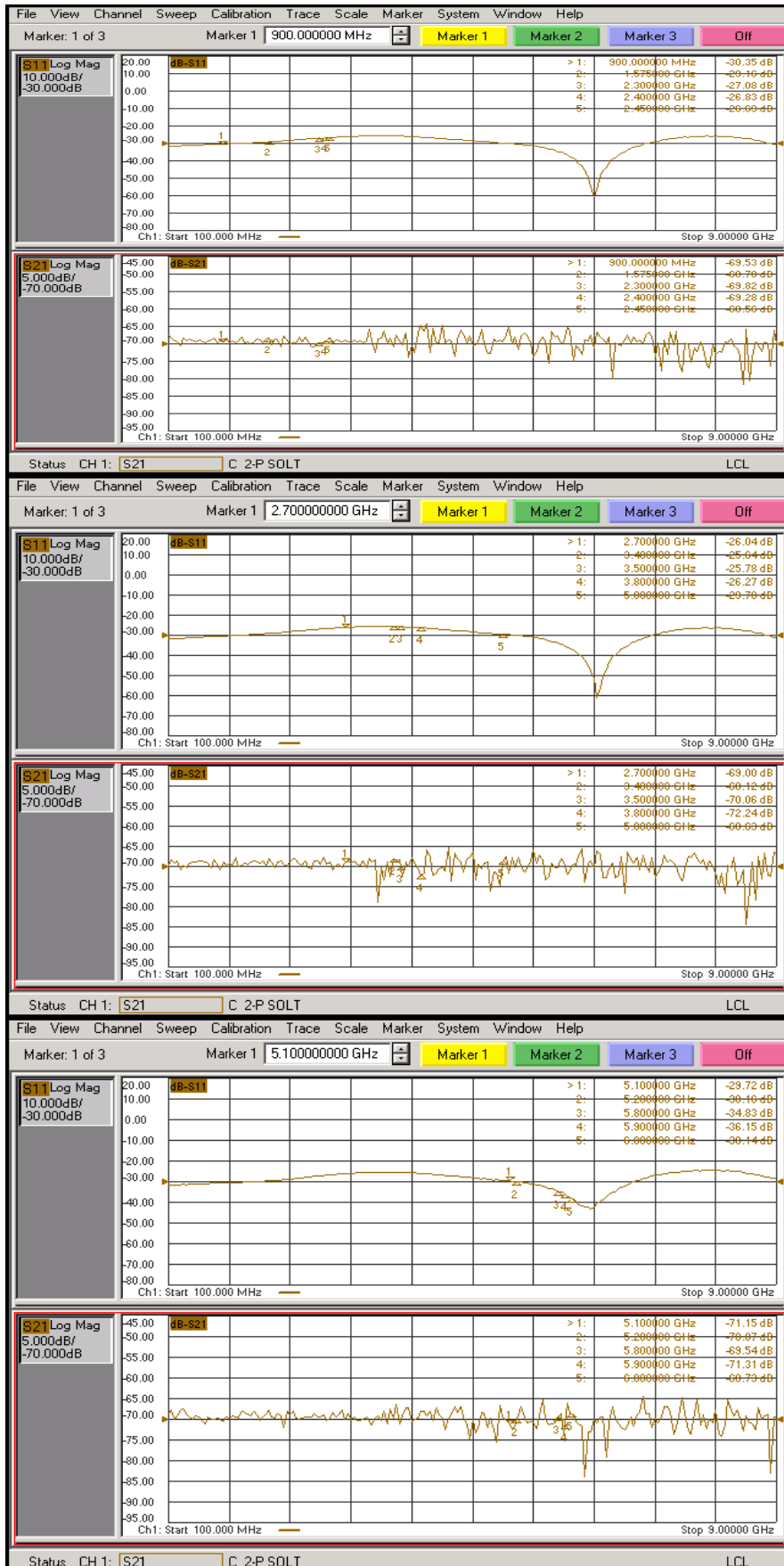


60dB

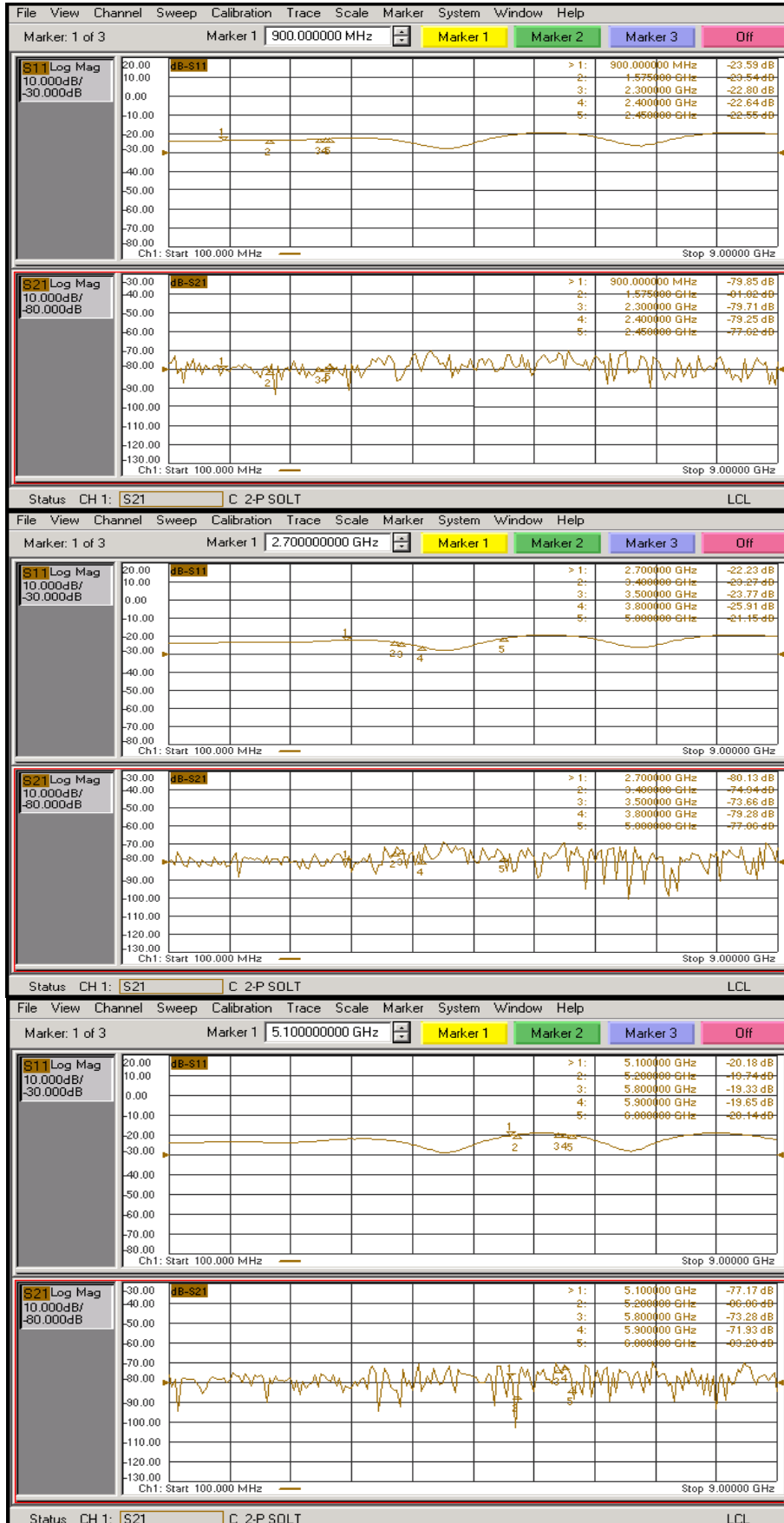




70dB

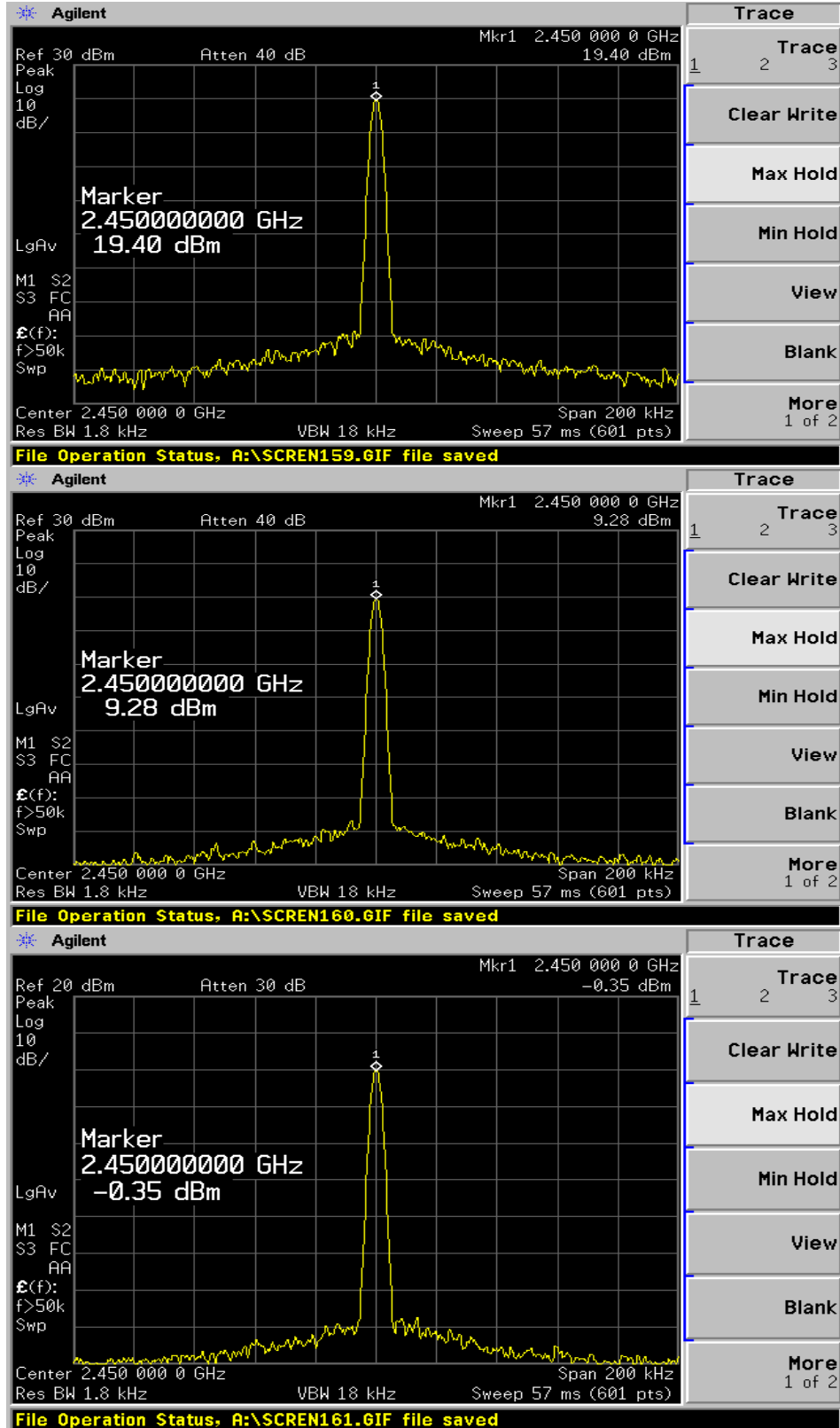


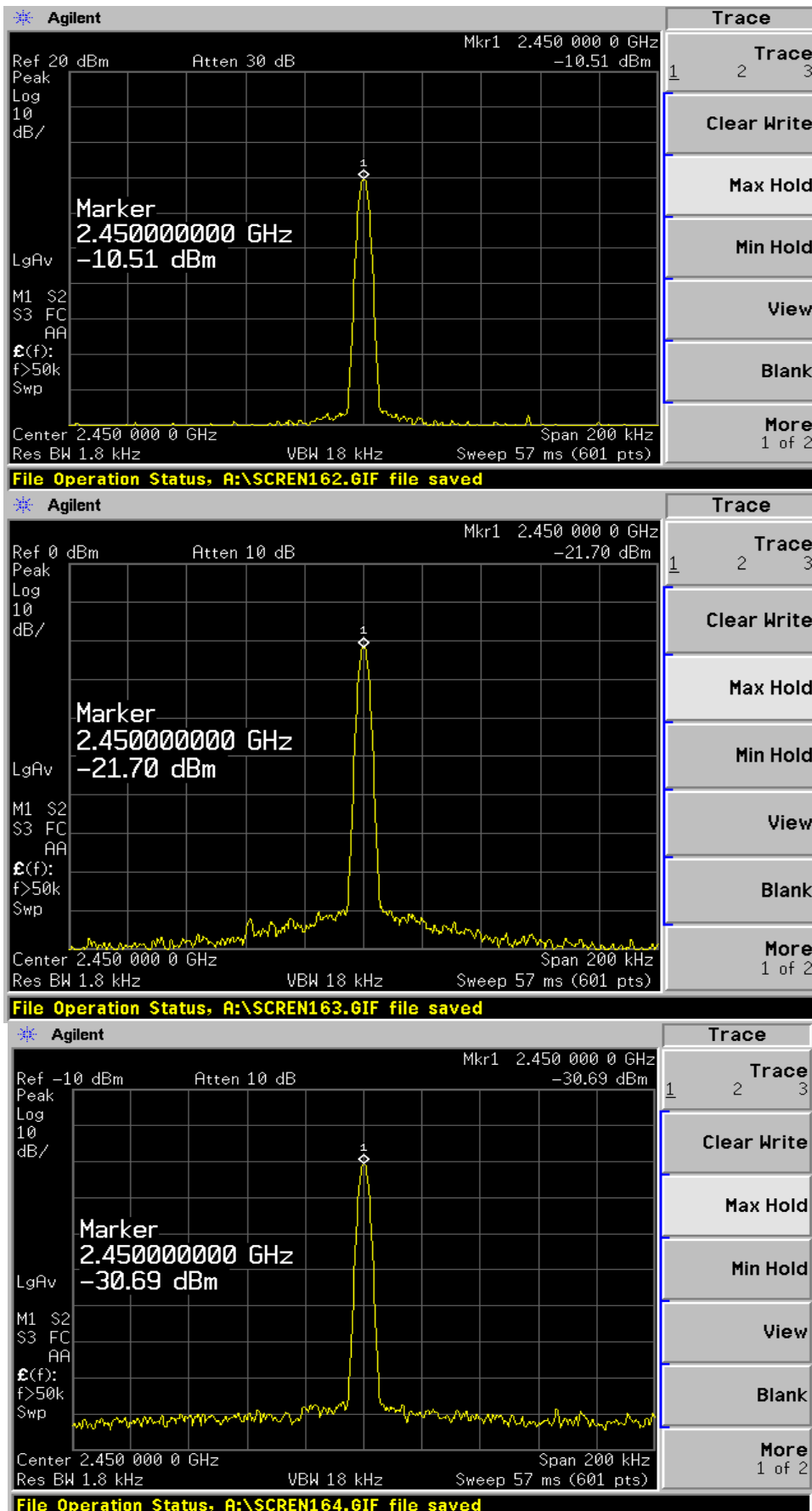
80dB

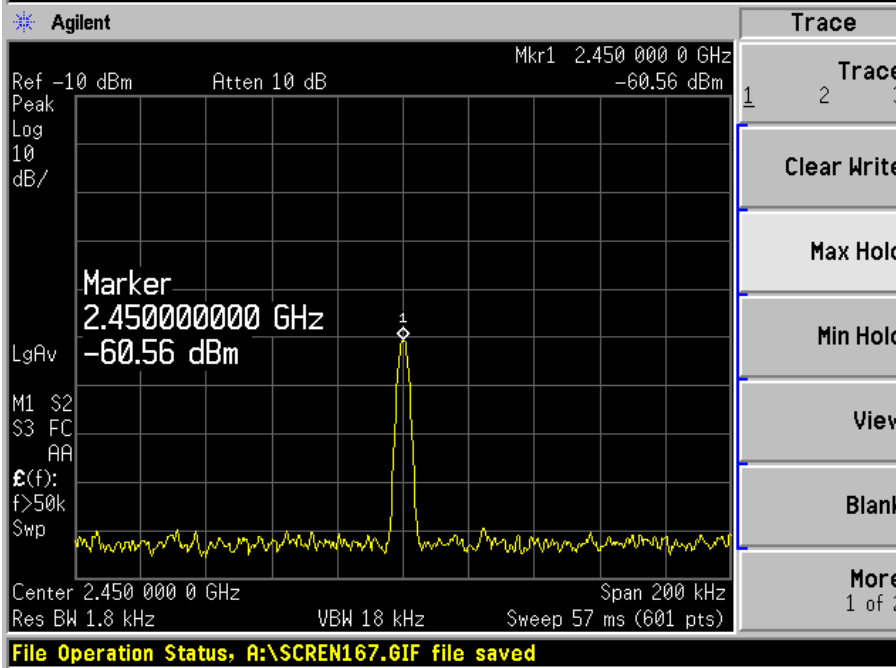
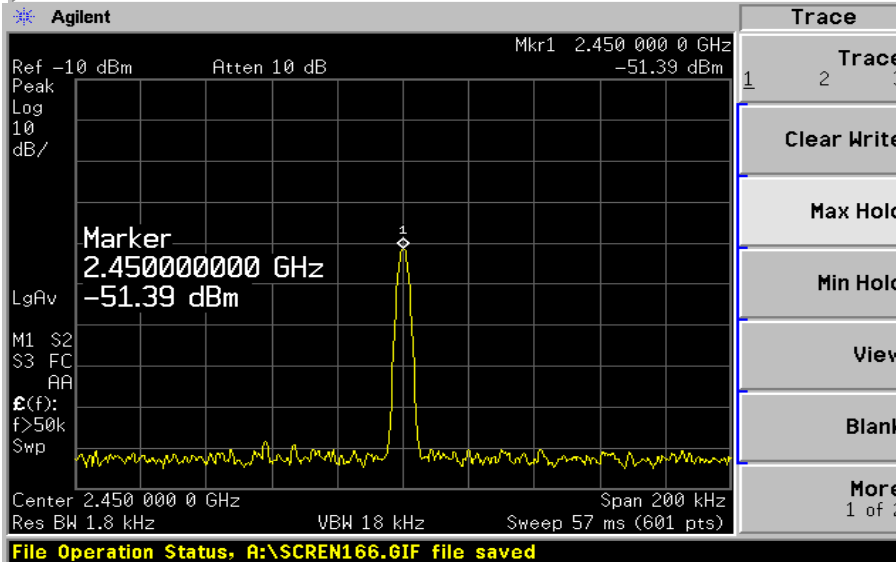
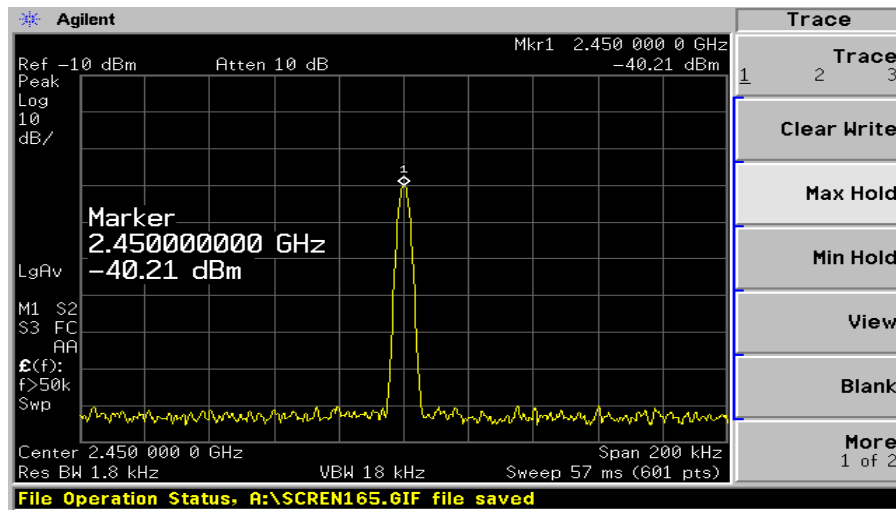


**Spectrum Test**

**2.45GHz**







**Agilent**

Ref -10 dBm    Atten 10 dB    Mkr1 2.450 000 0 GHz  
-70.85 dBm

Norm  
Log  
10  
dB/

Marker  
2.45000000 GHz  
-70.85 dBm

LgAv

W1 S2  
S3 FC  
AA

£(f):  
f>50k  
Swp

Center 2.450 000 0 GHz    Span 200 kHz  
Res BW 1.8 kHz    VBW 1.8 kHz    Sweep 74.44 ms (601 pts)

**Peak Search**

Next Peak

Next PK Right

Next Pk Left

Min Search

Pk-Pk Search

Mkr → CF

More  
1 of 2

**File Operation Status, A:\SCREN171.GIF file saved**

**Agilent**

Ref -10 dBm    Atten 10 dB    Mkr1 2.450 000 0 GHz  
-81.08 dBm

Norm  
Log  
10  
dB/

Marker  
2.45000000 GHz  
-81.08 dBm

LgAv

W1 S2  
S3 FC  
AA

£(f):  
f>50k  
Swp

Center 2.450 000 0 GHz    Span 200 kHz  
Res BW 1.8 kHz    VBW 1.8 kHz    Sweep 74.44 ms (601 pts)

**Peak Search**

Next Peak

Next PK Right

Next Pk Left

Min Search

Pk-Pk Search

Mkr → CF

More  
1 of 2

**File Operation Status, A:\SCREN172.GIF file saved**

**Agilent**

Ref -10 dBm    Atten 10 dB    Mkr1 2.450 000 0 GHz  
-90.80 dBm

Peak  
Log  
10  
dB/

Marker  
2.45000000 GHz  
-90.80 dBm

LgAv

M1 S2  
S3 FC  
AA

£(f):  
f>50k  
Swp

Center 2.450 000 0 GHz    Span 200 kHz  
Res BW 1.8 kHz    VBW 18 kHz    Sweep 57 ms (601 pts)

**Trace**

Trace  
1    2    3

Clear Write

Max Hold

Min Hold

View

Blank

More  
1 of 2

**File Operation Status, A:\SCREN173.GIF file saved**

5.8GHz

