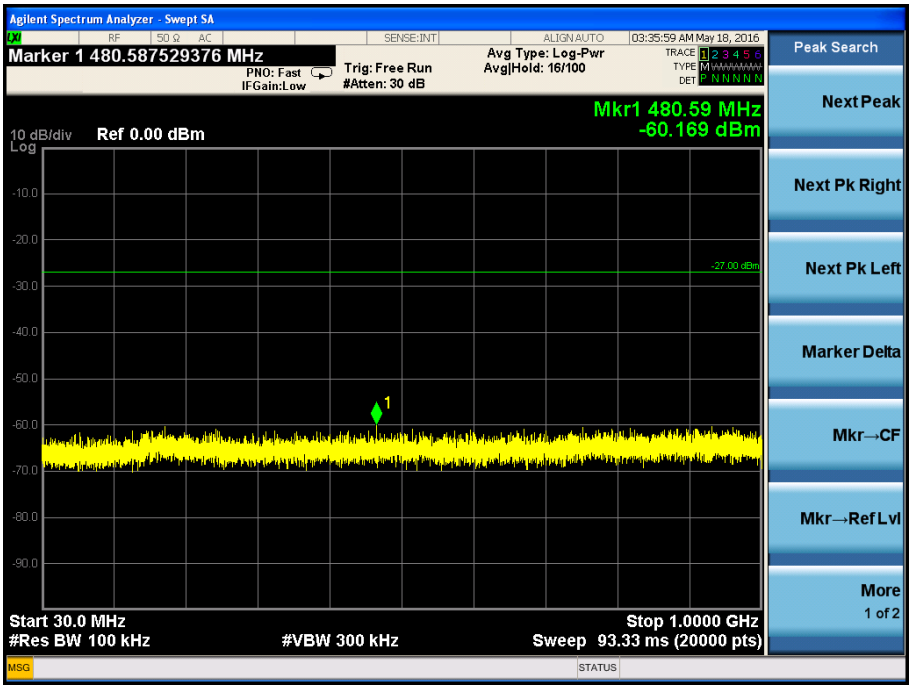
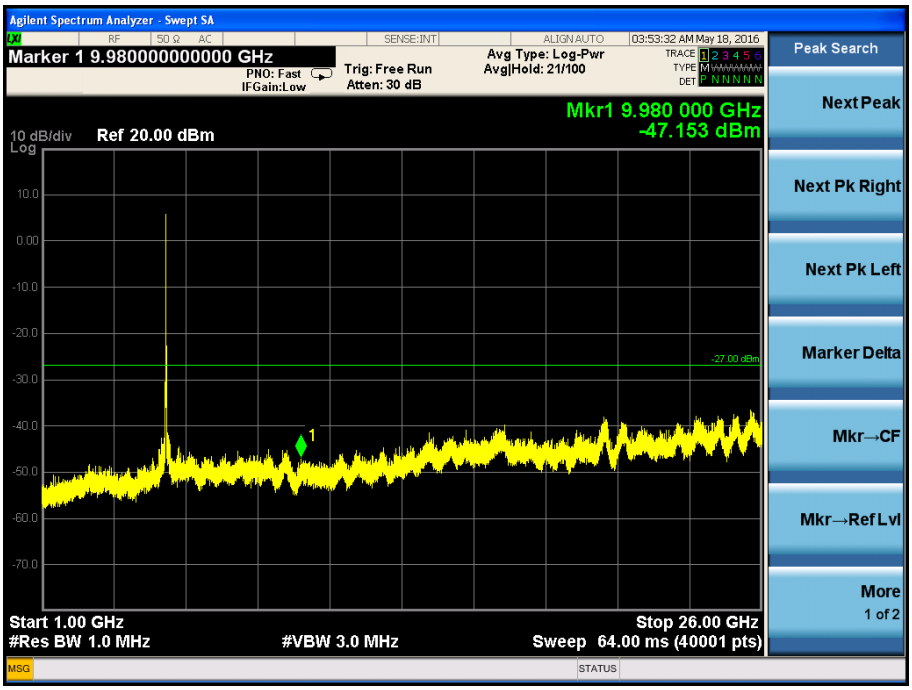
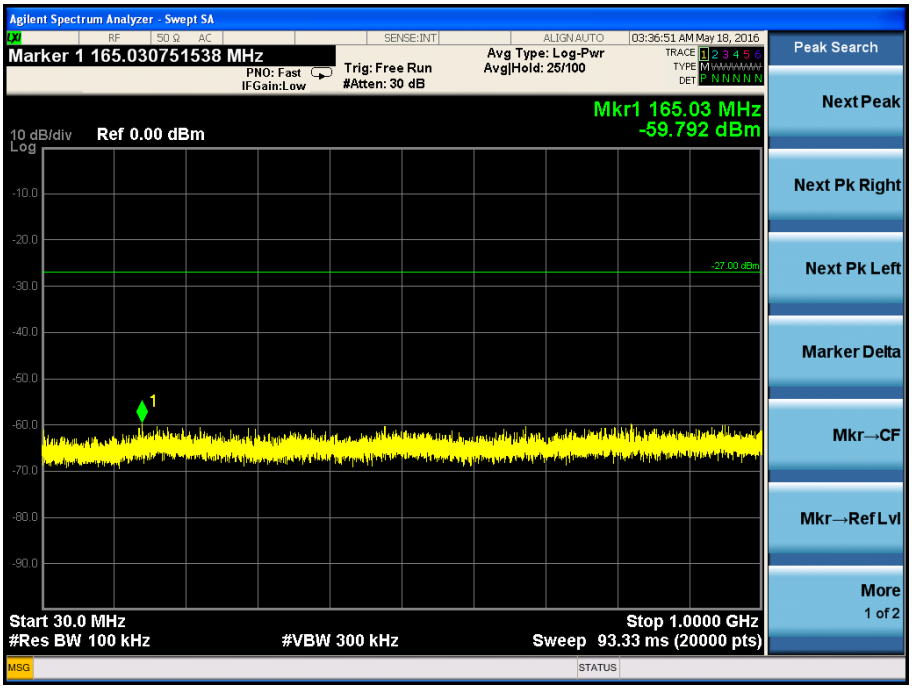
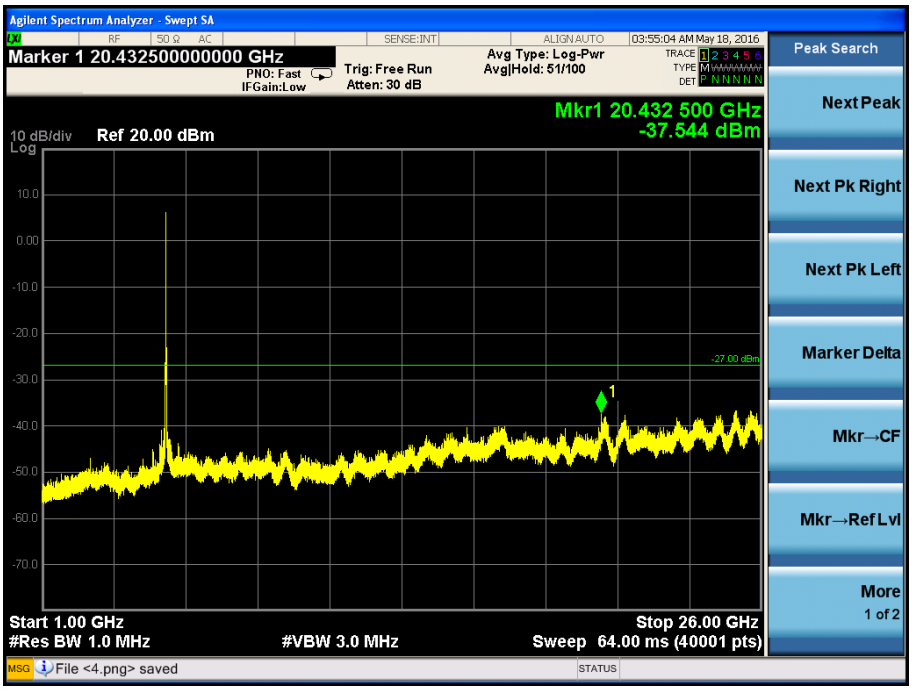
5300MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 480.587529376 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 16/100
03:35:59 AM May 18, 2016
Mkr1 480.59 MHz
-60.169 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

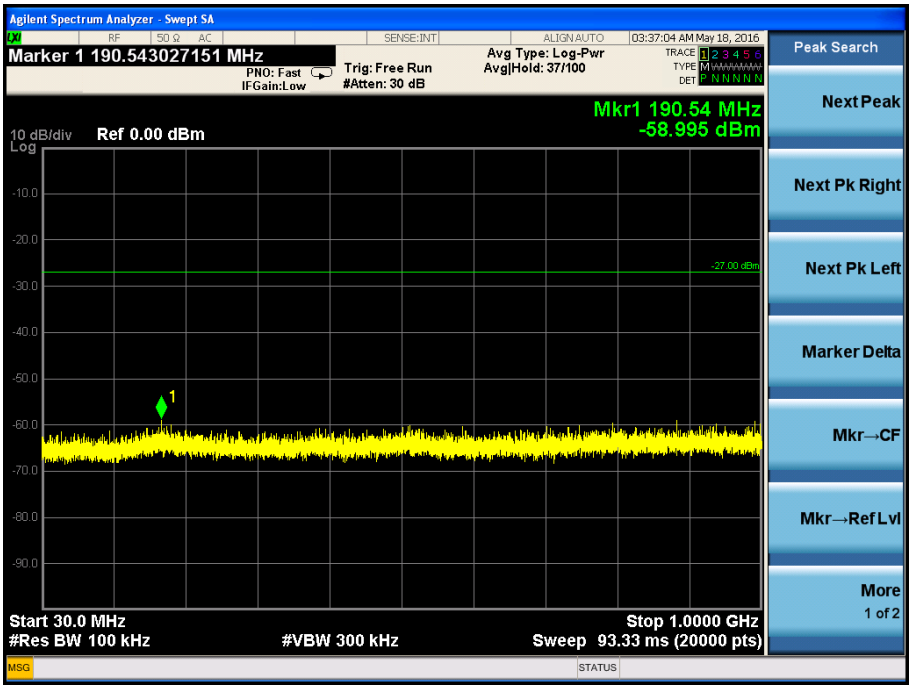

Agilent Spectrum Analyzer - Swept SA
Marker 1 9.980000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 21/100
03:53:32 AM May 18, 2016
Mkr1 9.980 000 GHz
-47.153 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

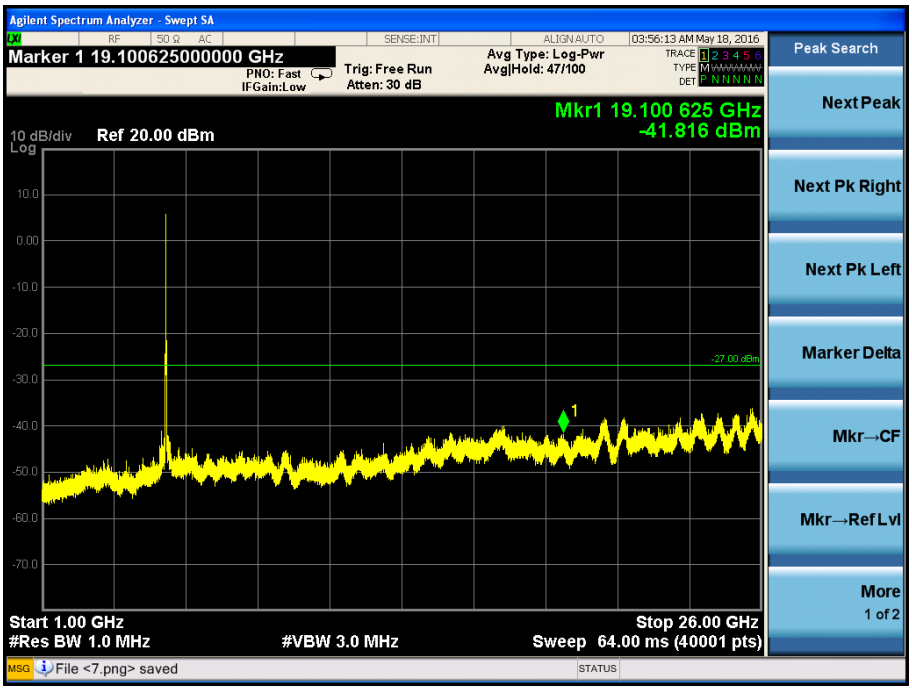
5320MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 165.030751538 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 25/100
03:36:51 AM May 18, 2016
Mkr1 165.03 MHz
-59.792 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

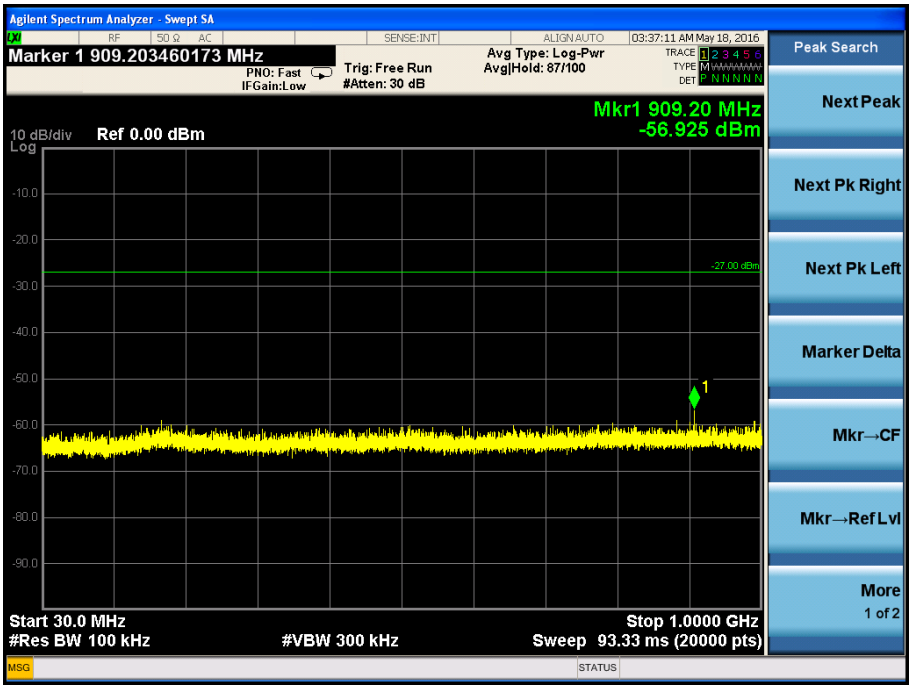

Agilent Spectrum Analyzer - Swept SA
Marker 1 20.432500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 51/100
03:55:04 AM May 18, 2016
Mkr1 20.432 500 GHz
-37.544 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
File <4.png> saved
STATUS

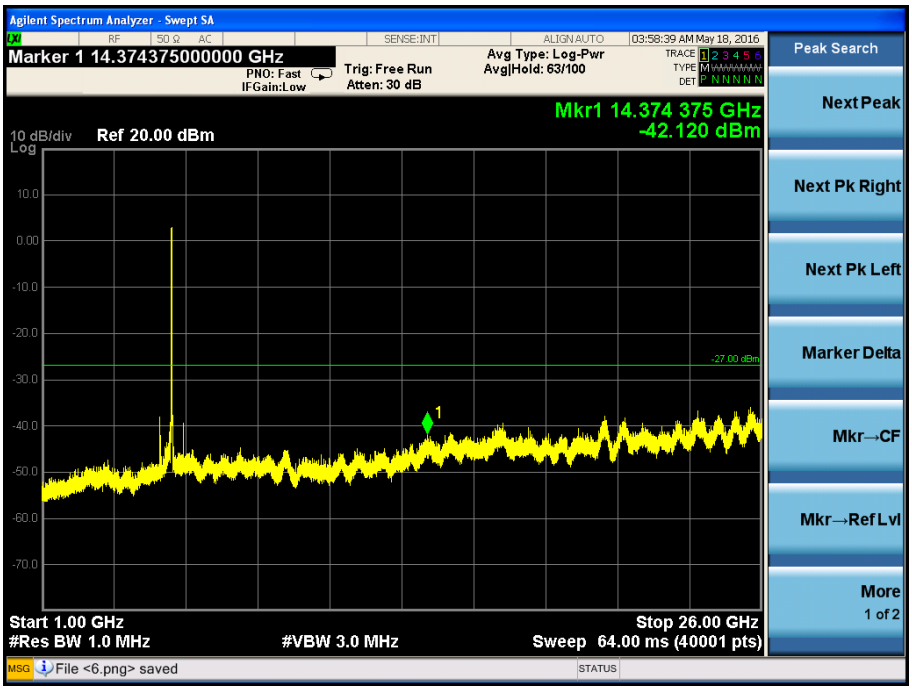
5500MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 190.543027151 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 37/100
03:37:04 AM May 18, 2016
Mkr1 190.54 MHz
-58.995 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

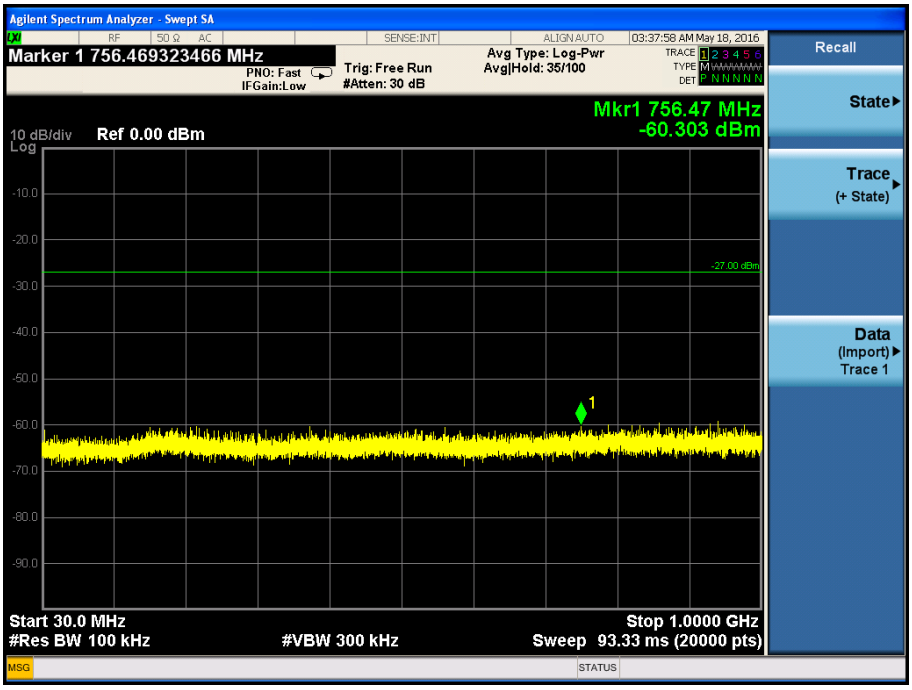

Agilent Spectrum Analyzer - Swept SA
Marker 1 19.100625000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 47/100
03:56:13 AM May 18, 2016
Mkr1 19.100 625 GHz
-41.816 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <7.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

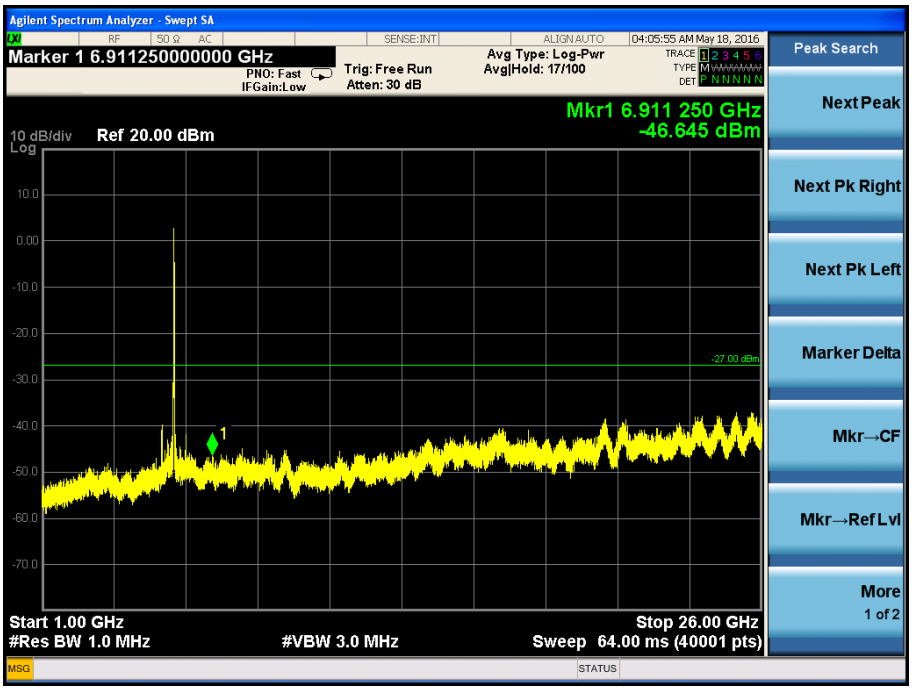
5580MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 909.203460173 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 87/100
03:37:11 AM May 18, 2016
Mkr1 909.20 MHz
-56.925 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

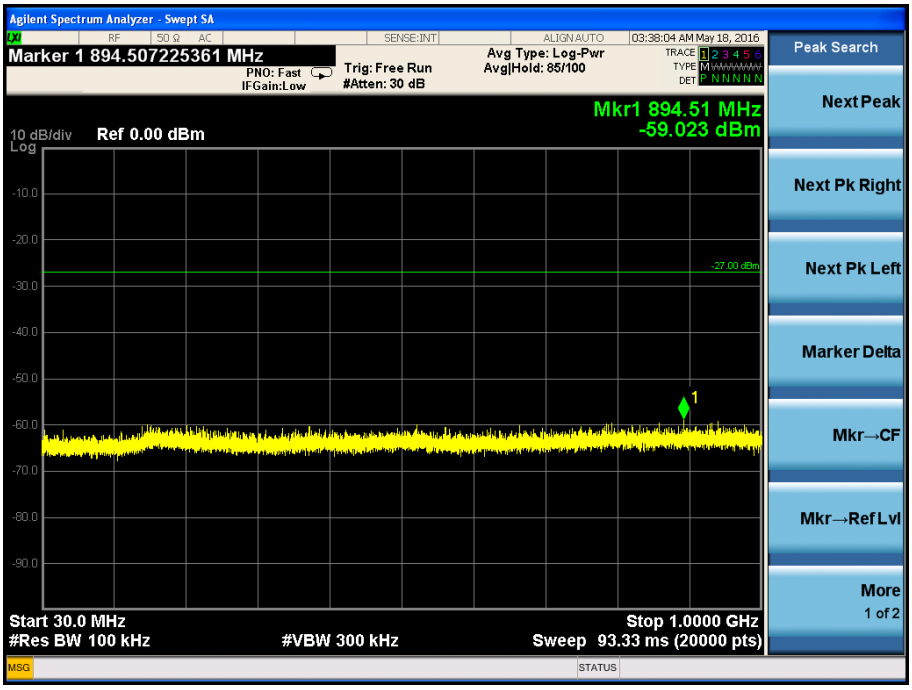

Agilent Spectrum Analyzer - Swept SA
Marker 1 14.374375000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
03:58:39 AM May 18, 2016
Mkr1 14.374 375 GHz
-42.120 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <6.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

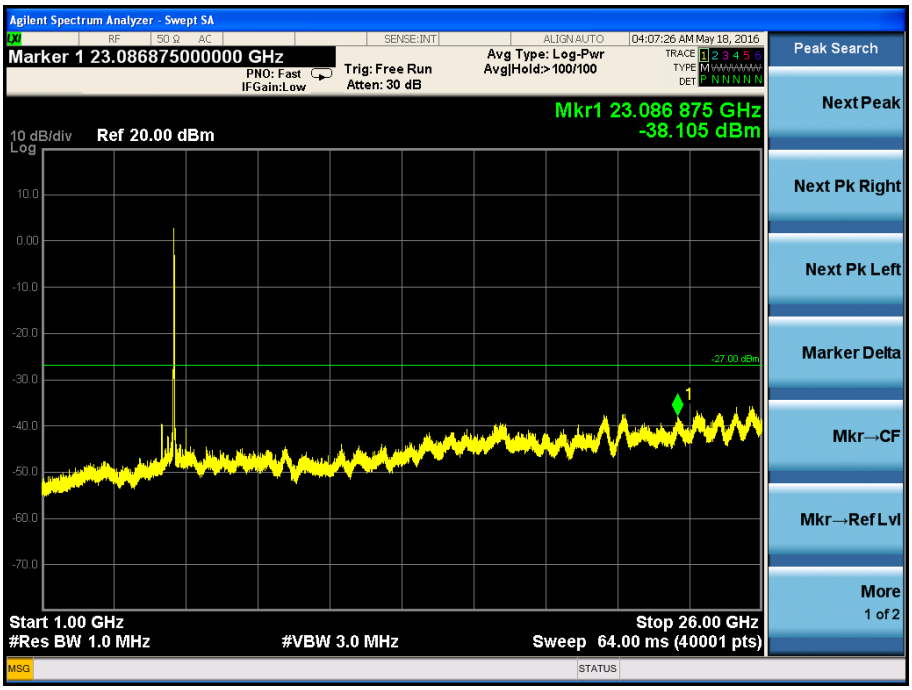
5700MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 756.469323466 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 35/100
03:37:58 AM May 18, 2016
Mkr1 756.47 MHz
-60.303 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Recall
State
Trace
(+ State)
Data
(Import)
Trace 1

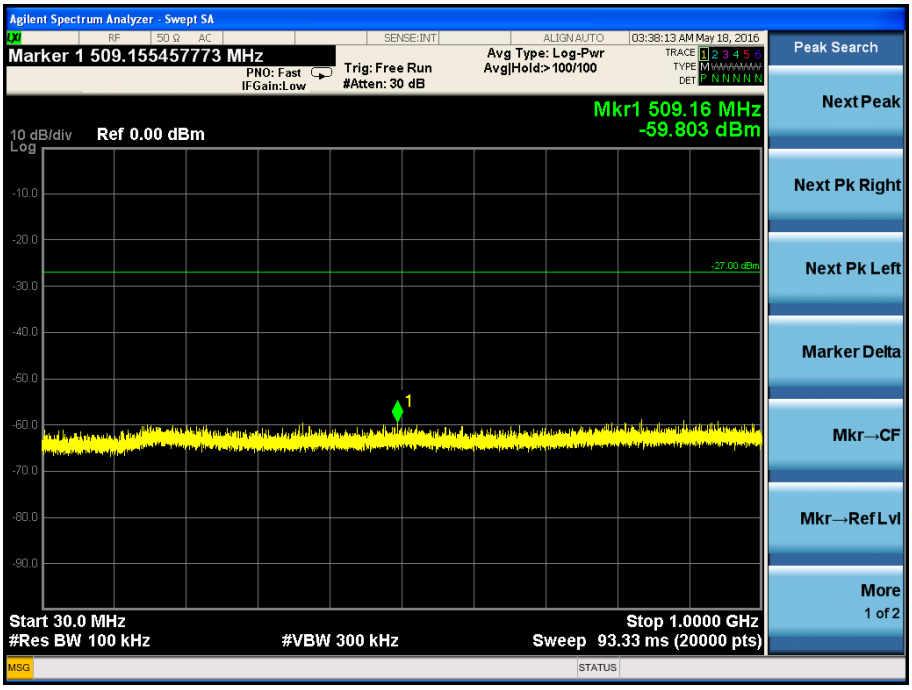

Agilent Spectrum Analyzer - Swept SA
Marker 1 6.911250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 17/100
04:05:55 AM May 18, 2016
Mkr1 6.911 250 GHz
-46.645 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

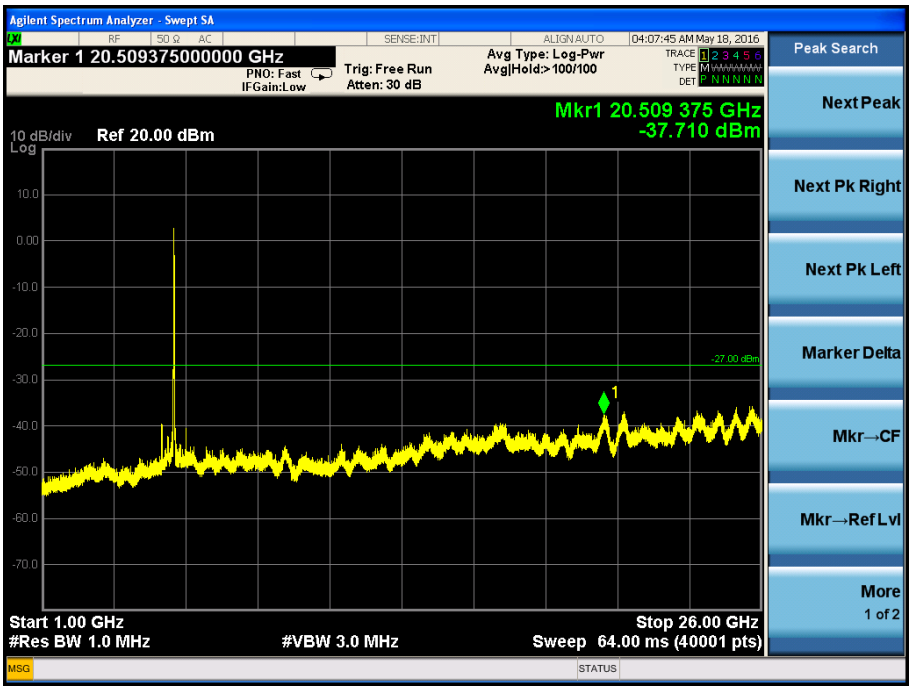
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 894.507225361 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 85/100
03:38:04 AM May 18, 2016
Mkr1 894.51 MHz
-59.023 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

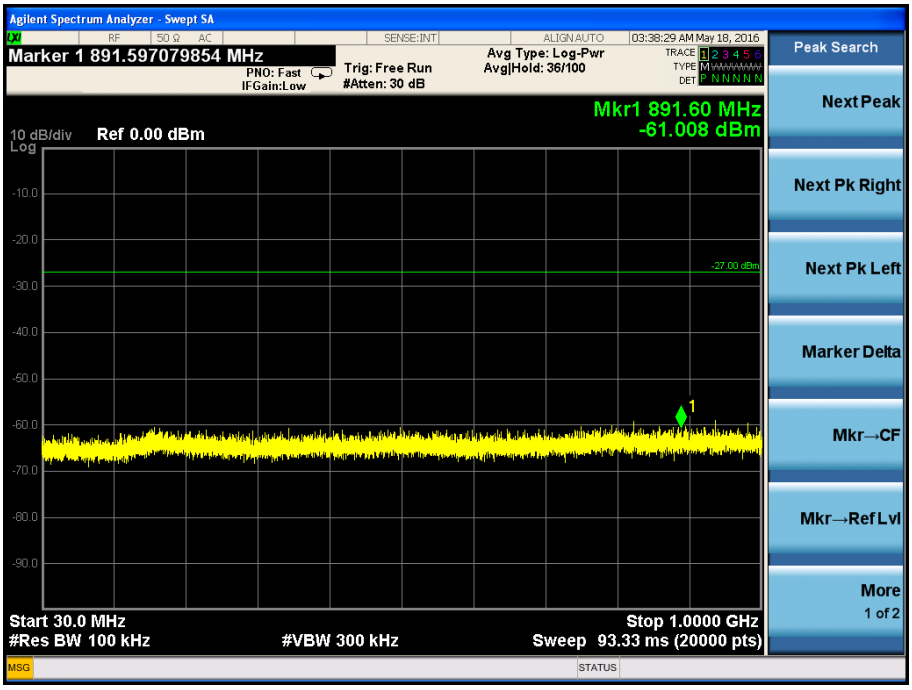

Agilent Spectrum Analyzer - Swept SA
Marker 1 23.086875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:07:26 AM May 18, 2016
Mkr1 23.086 875 GHz
-38.105 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

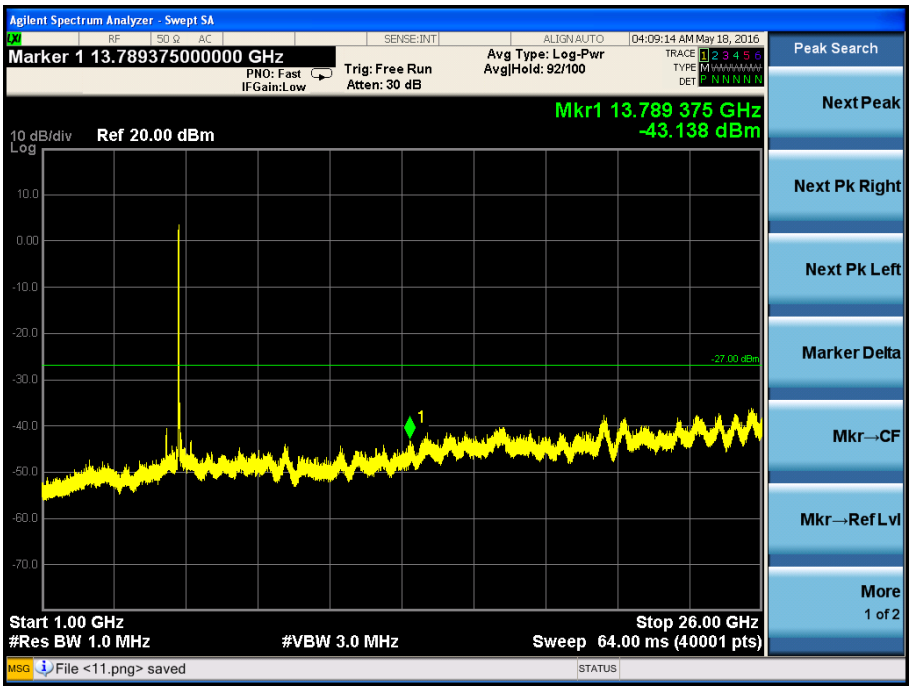
5785MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 509.155457773 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:38:13 AM May 18, 2016
Mkr1 509.16 MHz
-59.803 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 20.509375000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:07:45 AM May 18, 2016
Mkr1 20.509 375 GHz
-37.710 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

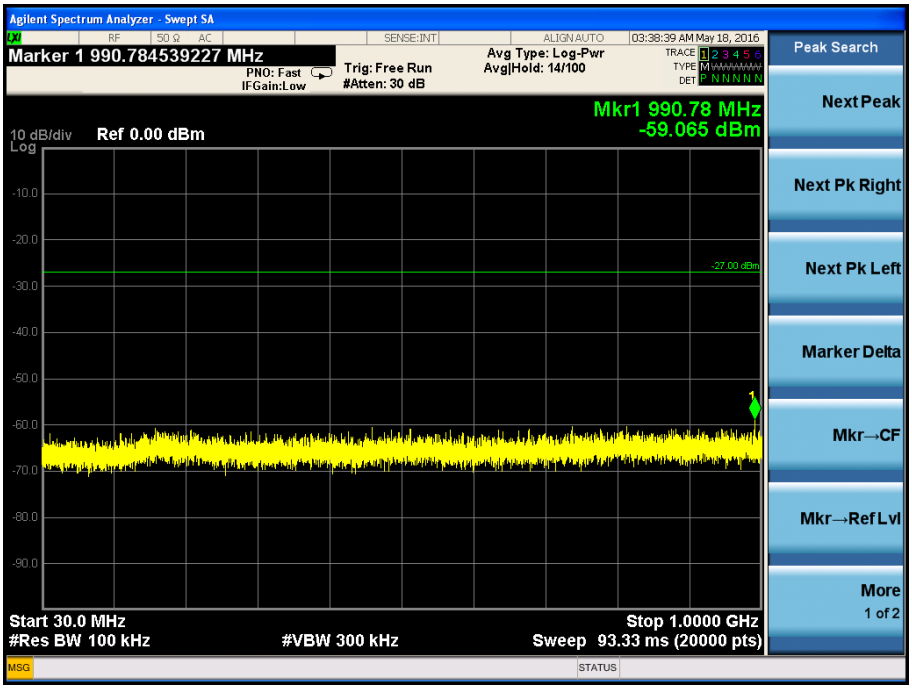
5825MHz

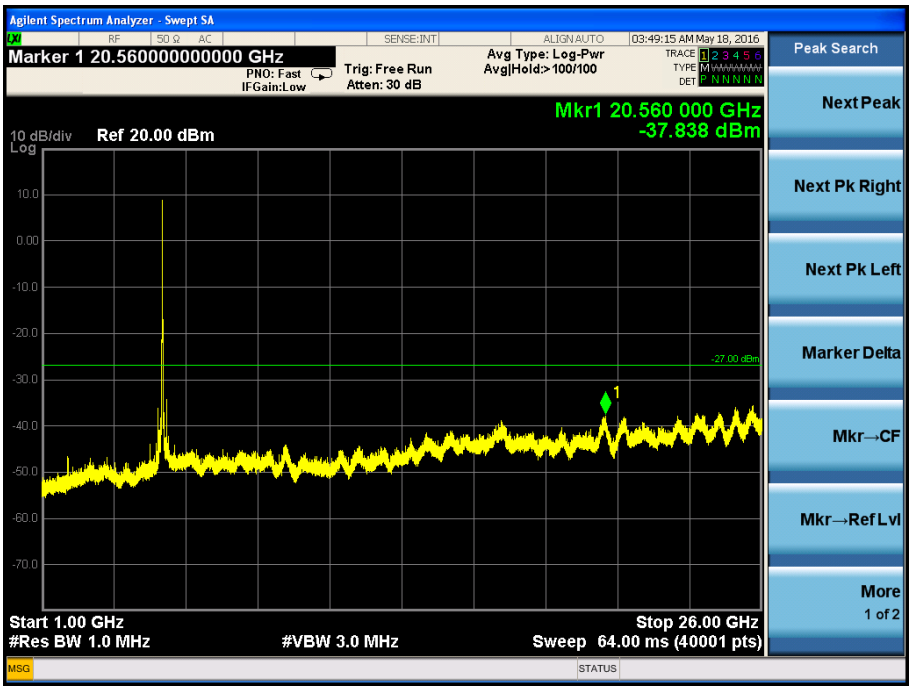

Agilent Spectrum Analyzer - Swept SA
Marker 1 891.597079854 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
03:38:29 AM May 18, 2016
Mkr1 891.60 MHz
-61.008 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 13.789375000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 92/100
04:09:14 AM May 18, 2016
Mkr1 13.789 375 GHz
-43.138 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <11.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

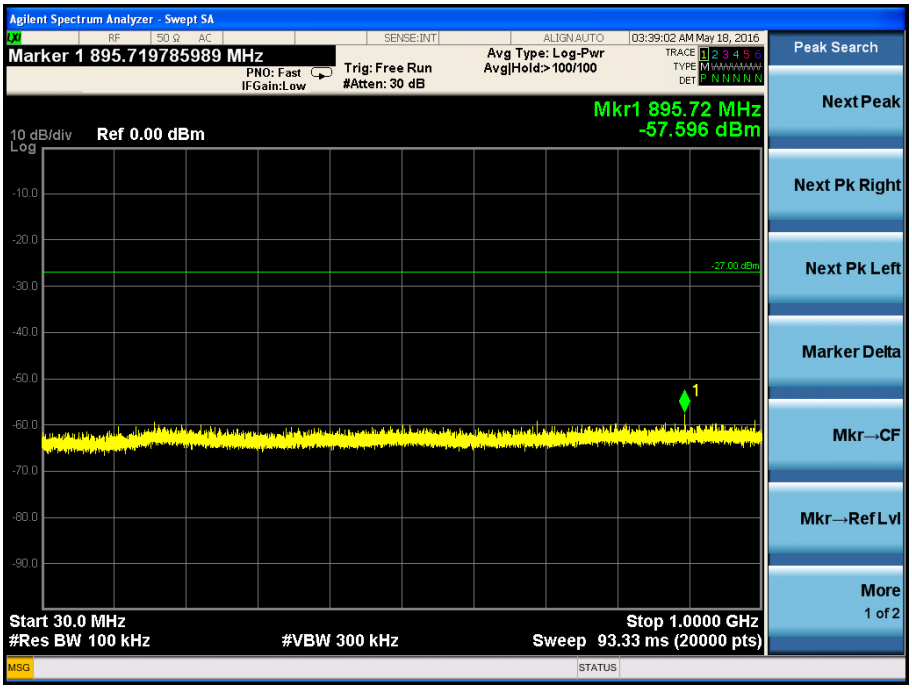
802.11n-HT20

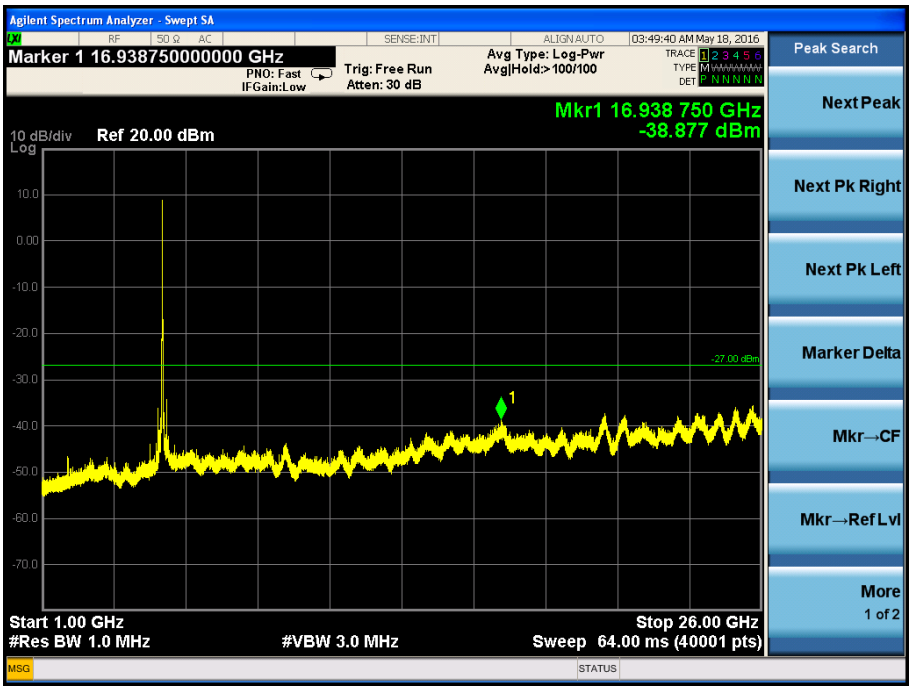
5180MHz



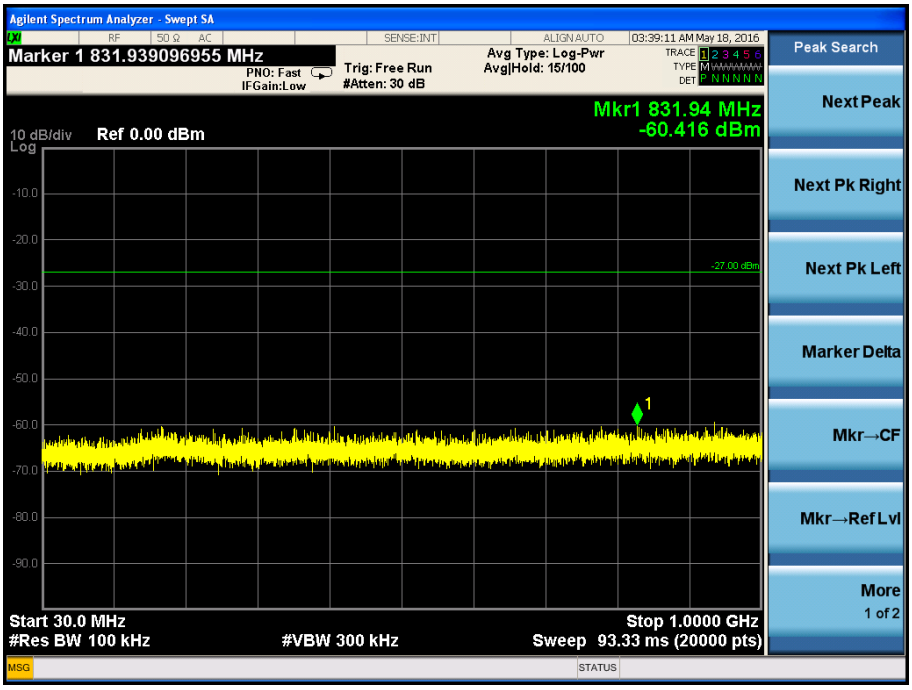


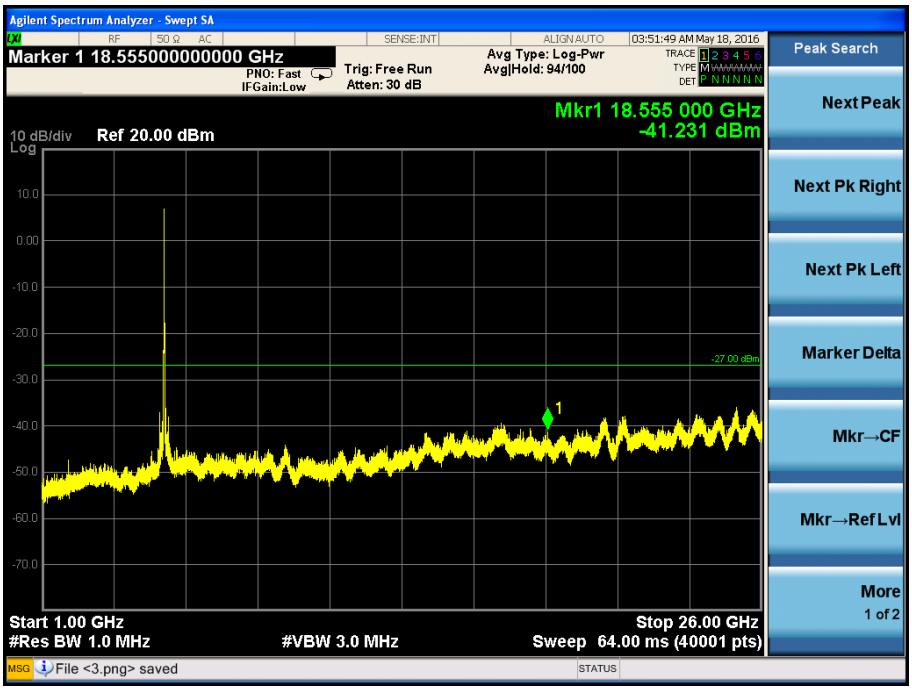
5200MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 895.719785989 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:39:02 AM May 18, 2016
Mkr1 895.72 MHz
-57.596 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

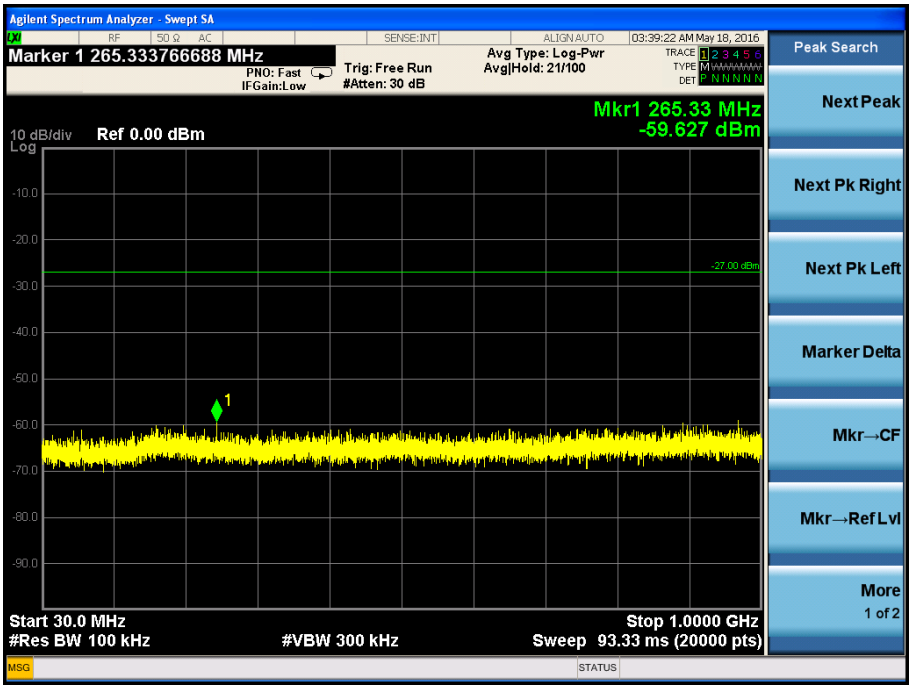

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.938750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:49:40 AM May 18, 2016
Mkr1 16.938 750 GHz
-38.877 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

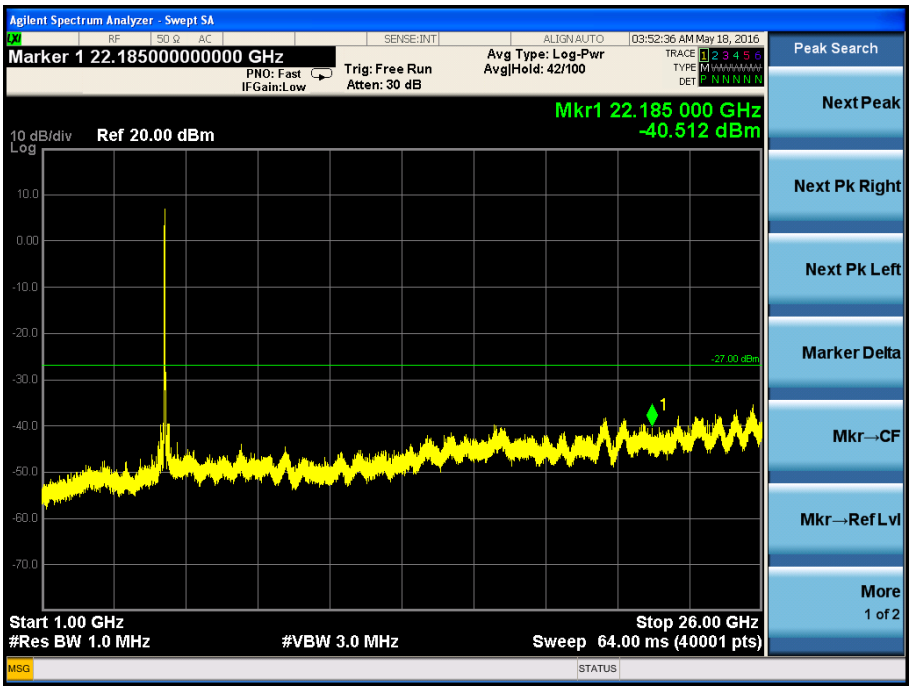
5240MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 831.939096955 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 15/100
03:39:11 AM May 18, 2016
Mkr1 831.94 MHz
-60.416 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

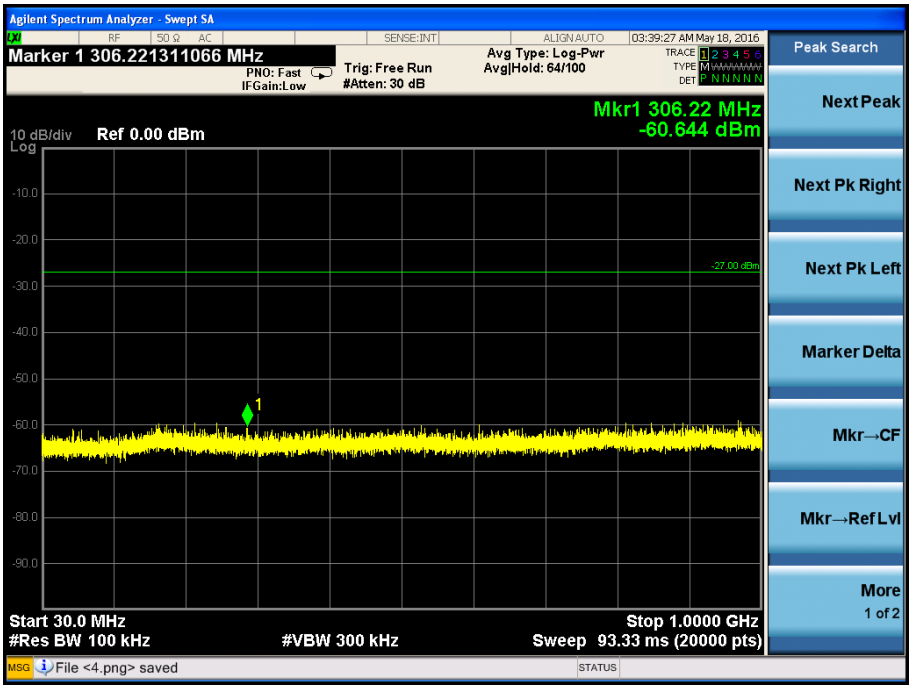

Agilent Spectrum Analyzer - Swept SA
Marker 1 18.555000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 94/100
03:51:49 AM May 18, 2016
Mkr1 18.555 000 GHz
-41.231 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <3.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

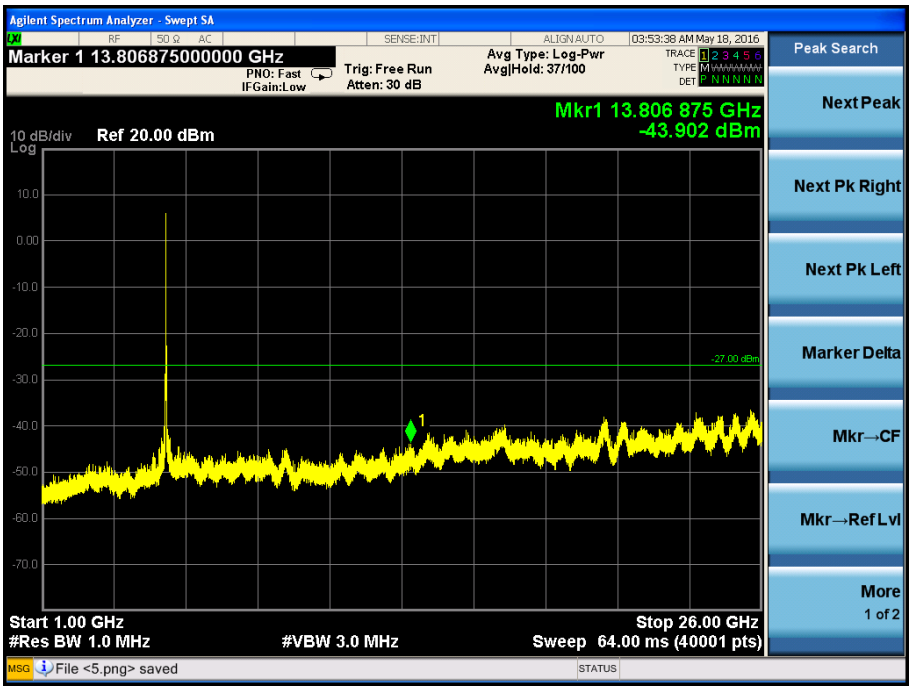
5260MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 265.333766688 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 21/100
03:39:22 AM May 18, 2016
Mkr1 265.33 MHz
-59.627 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

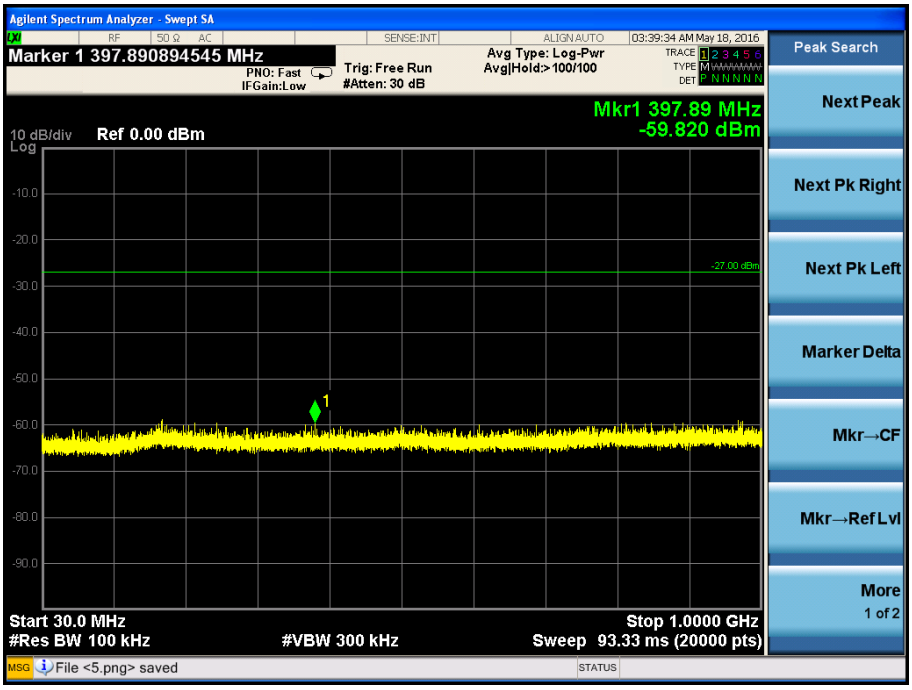

Agilent Spectrum Analyzer - Swept SA
Marker 1 22.185000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 42/100
03:52:36 AM May 18, 2016
Mkr1 22.185 000 GHz
-40.512 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

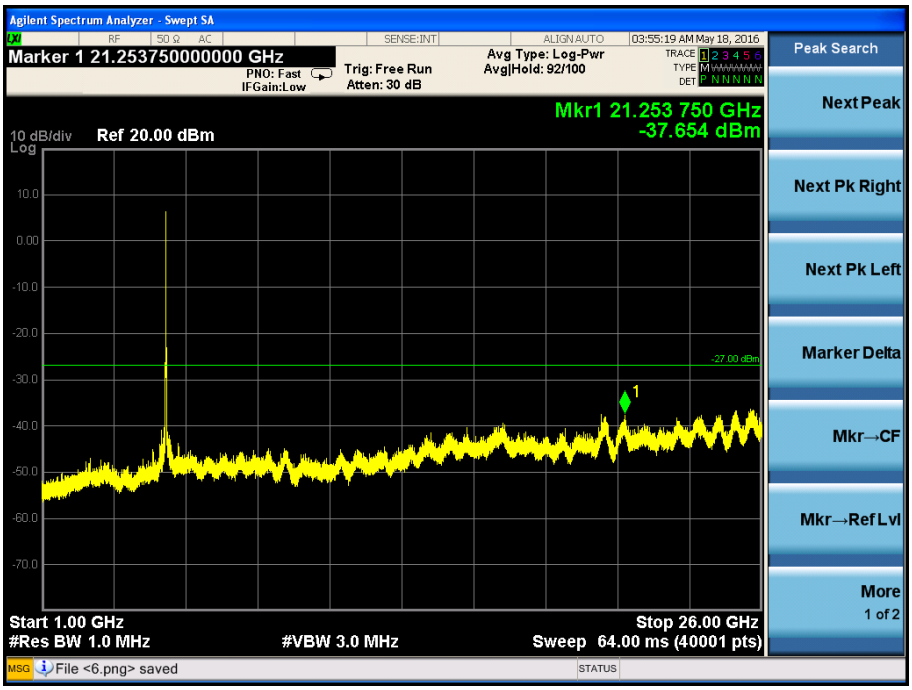
5300MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 306.221311066 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 64/100
03:39:27 AM May 18, 2016
Mkr1 306.22 MHz
-60.644 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
File <4.png> saved

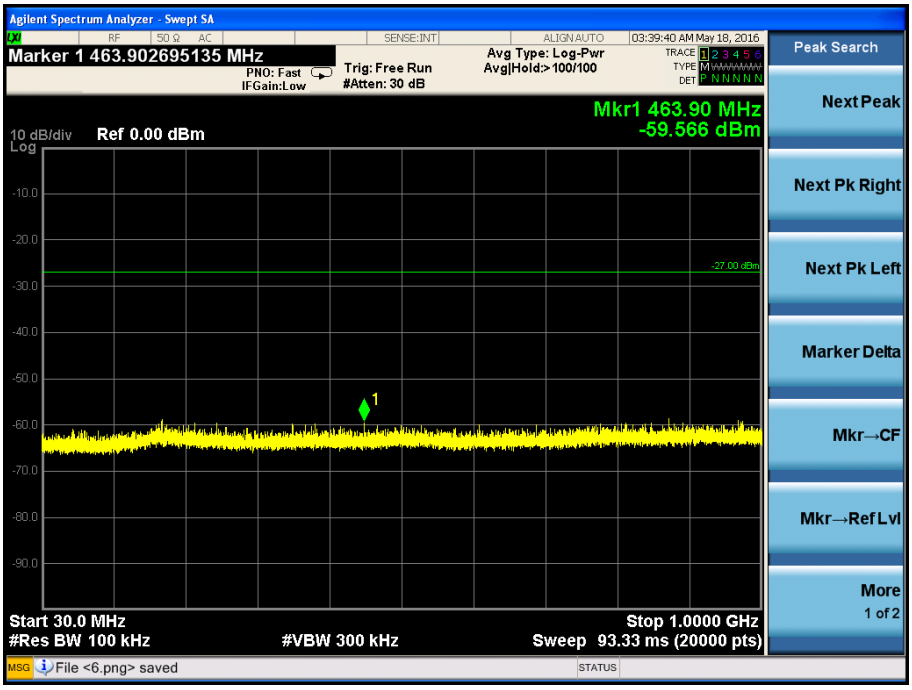

Agilent Spectrum Analyzer - Swept SA
Marker 1 13.806875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 37/100
03:53:38 AM May 18, 2016
Mkr1 13.806 875 GHz
-43.902 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
File <5.png> saved

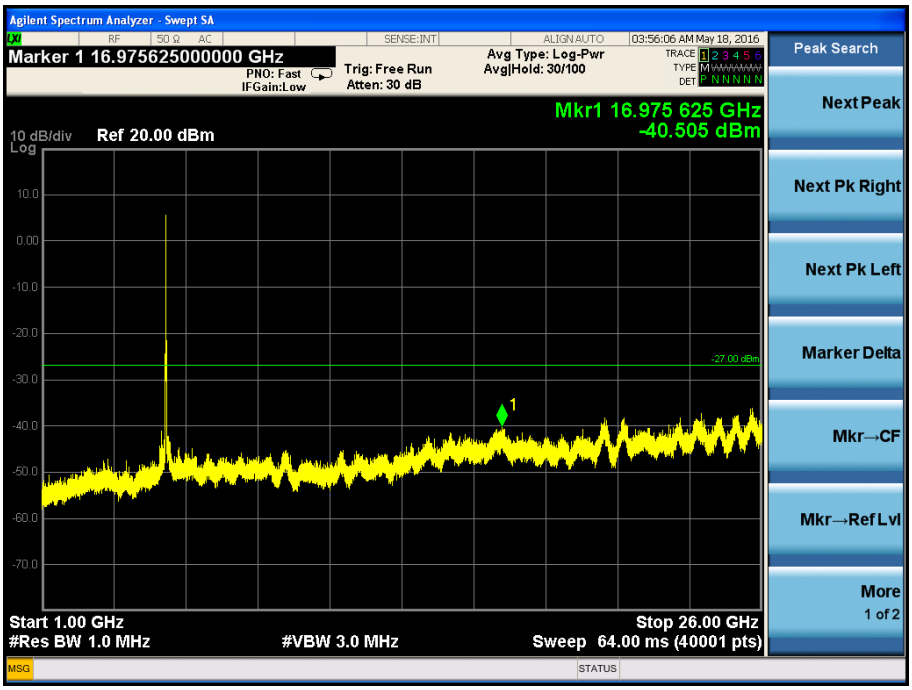
5320MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 397.890894545 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:39:34 AM May 18, 2016
Mkr1 397.89 MHz
-59.820 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
File <5.png> saved

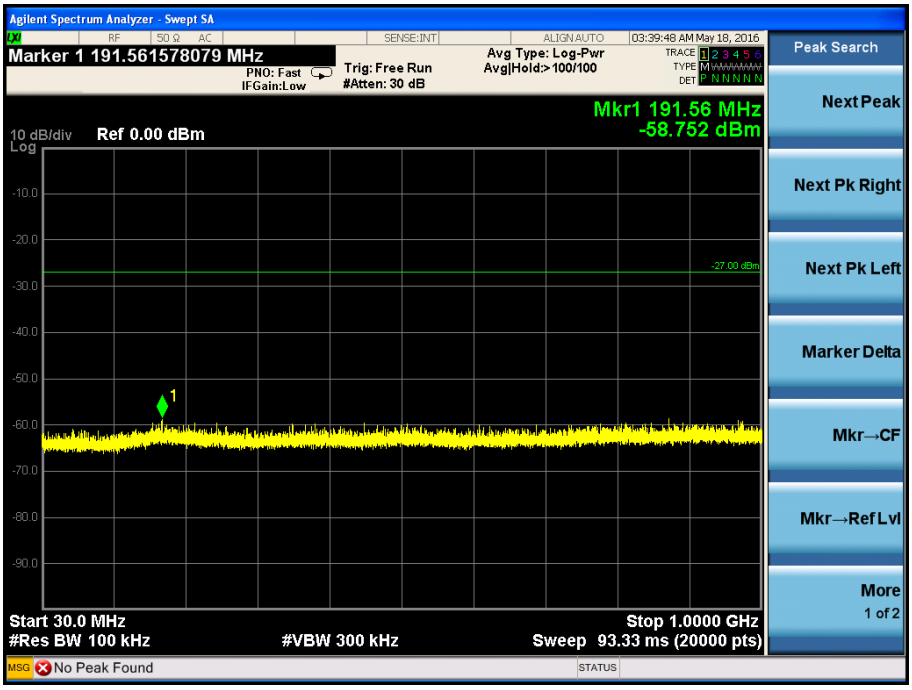

Agilent Spectrum Analyzer - Swept SA
Marker 1 21.253750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 92/100
03:55:19 AM May 18, 2016
Mkr1 21.253 750 GHz
-37.654 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
File <6.png> saved

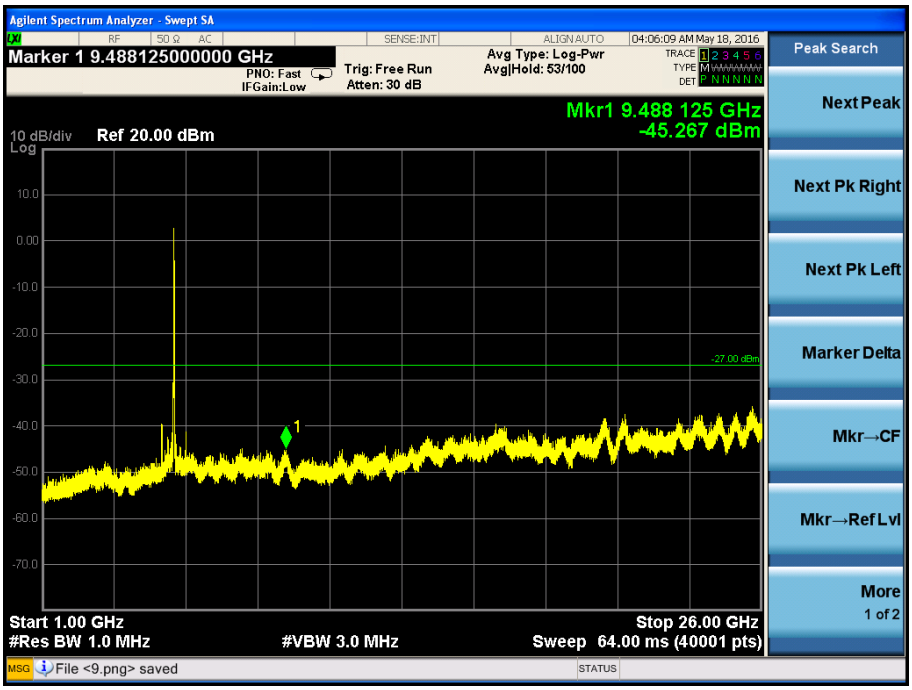
5500MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 463.902695135 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:39:40 AM May 18, 2016
Mkr1 463.90 MHz
-59.566 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
File <6.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

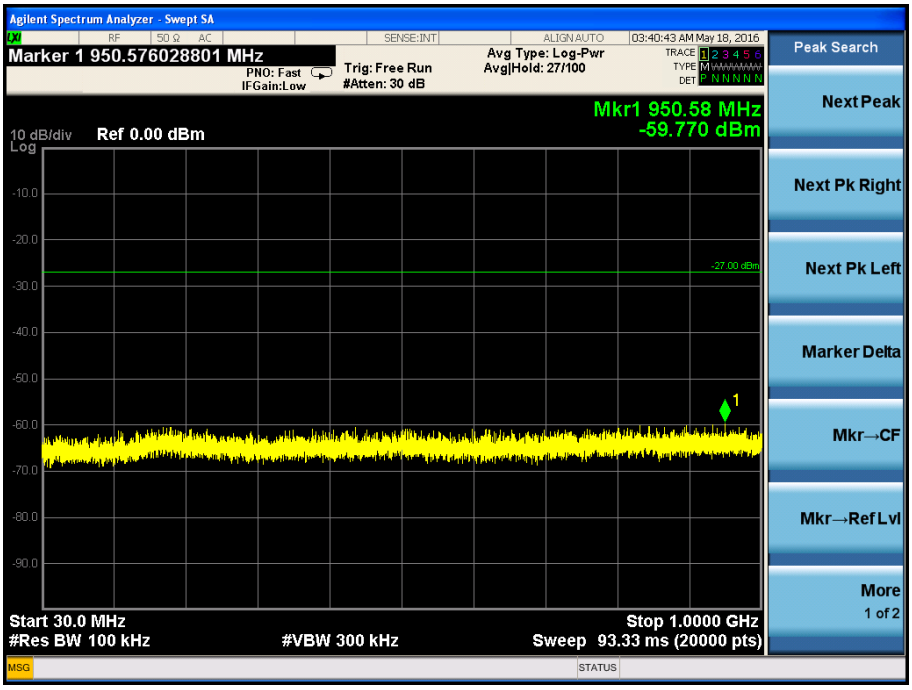

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.975625000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 30/100
03:56:06 AM May 18, 2016
Mkr1 16.975 625 GHz
-40.505 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

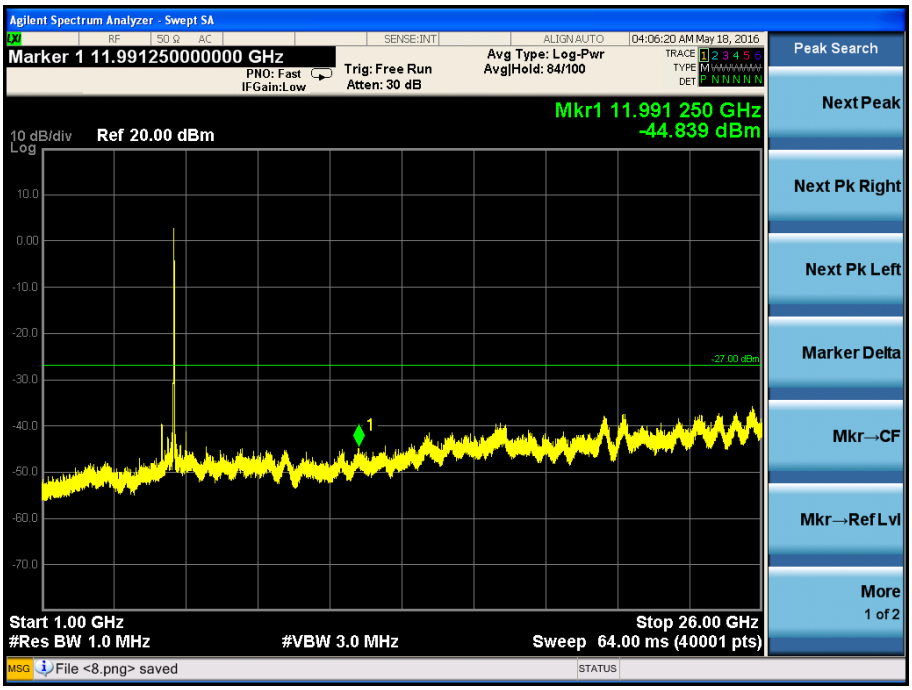
5580MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 191.561578079 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:39:48 AM May 18, 2016
Mkr1 191.56 MHz
-58.752 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
No Peak Found
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

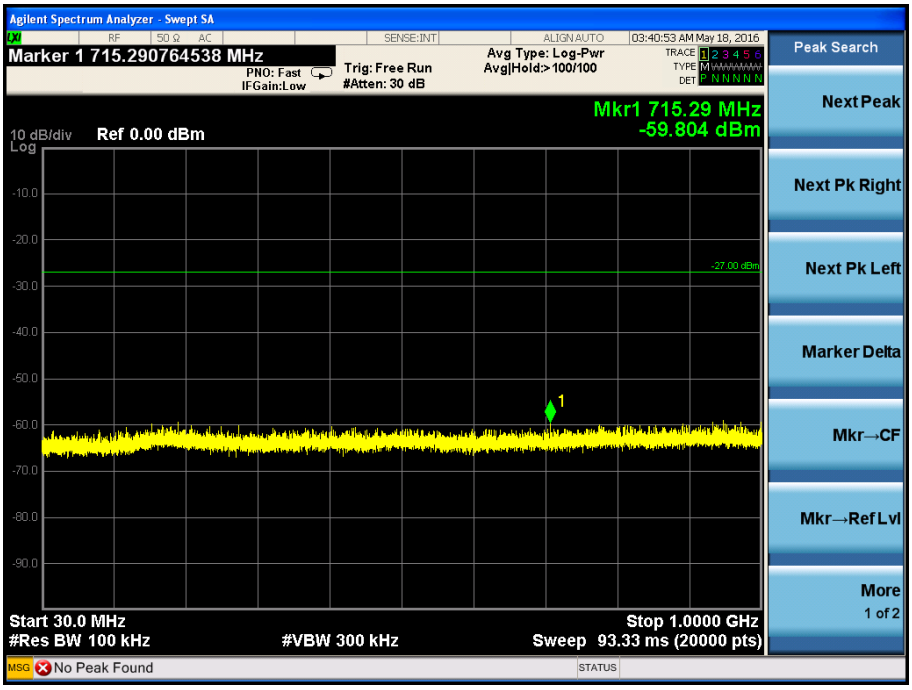

Agilent Spectrum Analyzer - Swept SA
Marker 1 9.488125000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 53/100
04:06:09 AM May 18, 2016
Mkr1 9.488 125 GHz
-45.267 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <9.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

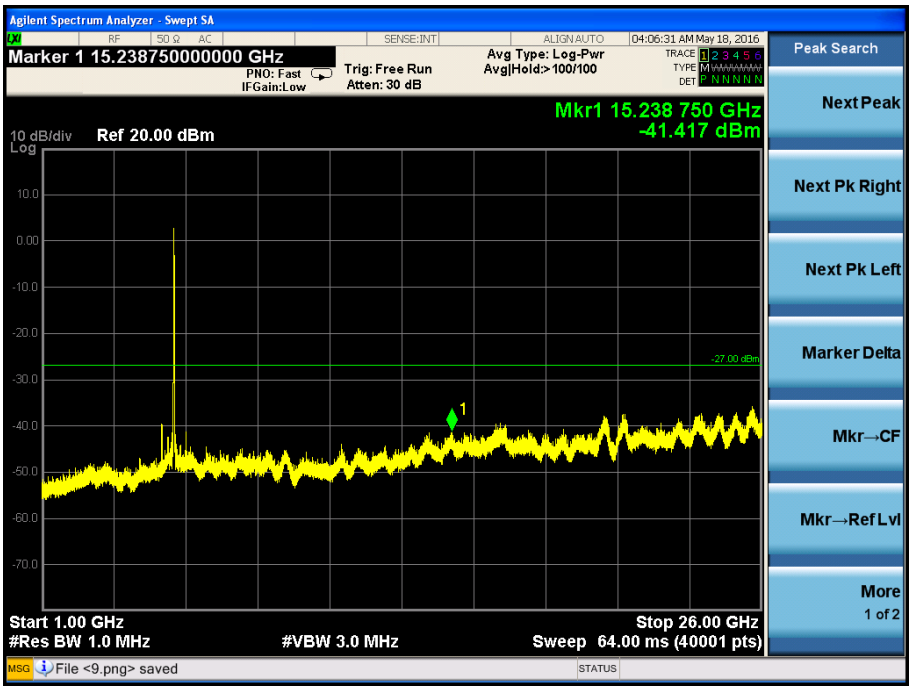
5700MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 950.576028801 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 27/100
03:40:43 AM May 18, 2016
Mkr1 950.58 MHz
-59.770 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

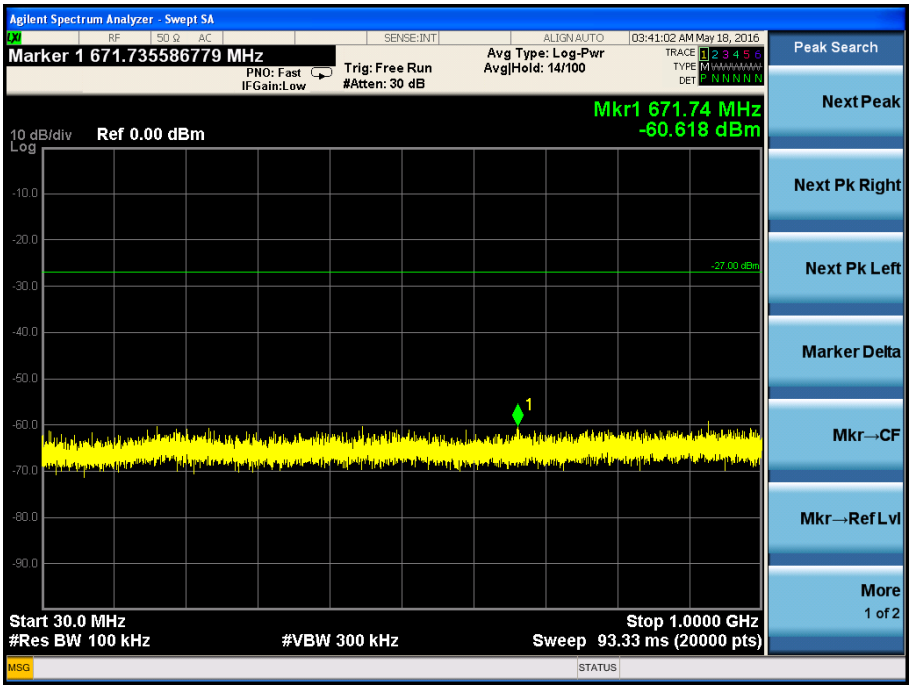

Agilent Spectrum Analyzer - Swept SA
Marker 1 11.991250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 84/100
04:06:20 AM May 18, 2016
Mkr1 11.991 250 GHz
-44.839 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
File <8.png> saved
STATUS

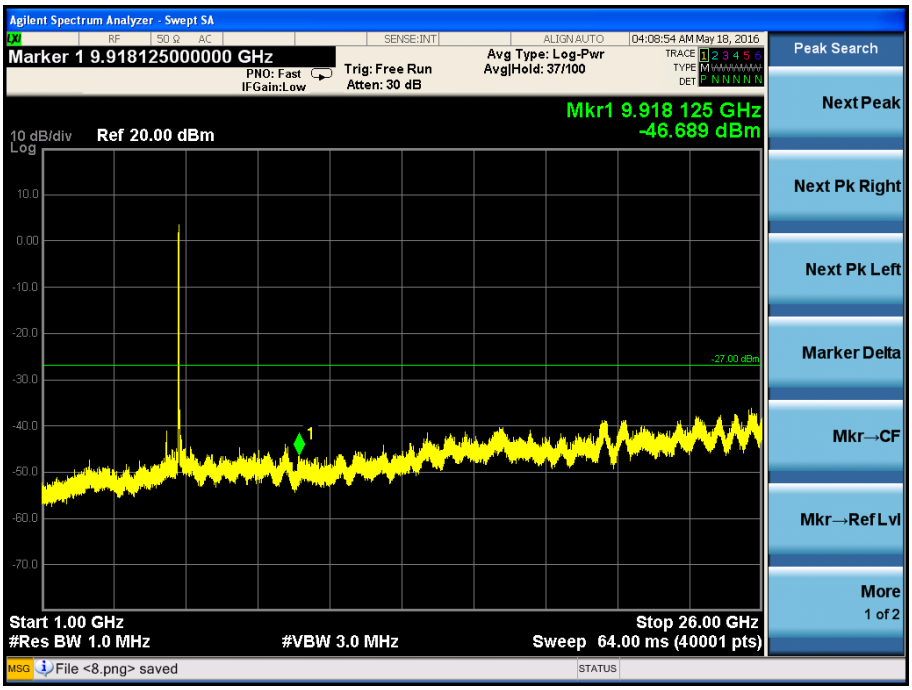
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 715.290764538 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:40:53 AM May 18, 2016
Mkr1 715.29 MHz
-59.804 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
No Peak Found
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

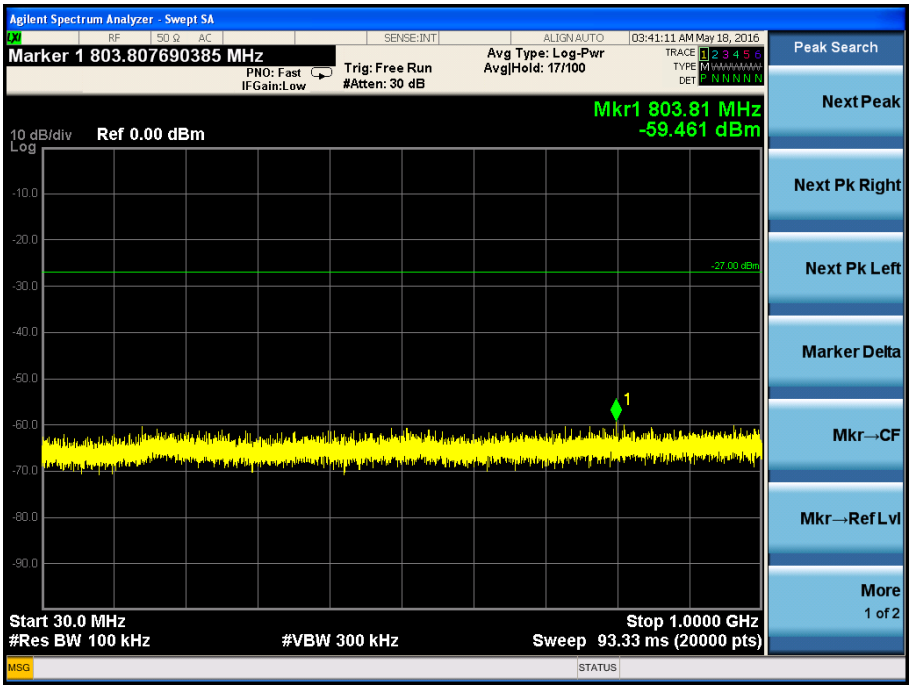

Agilent Spectrum Analyzer - Swept SA
Marker 1 15.238750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:06:31 AM May 18, 2016
Mkr1 15.238 750 GHz
-41.417 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <9.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

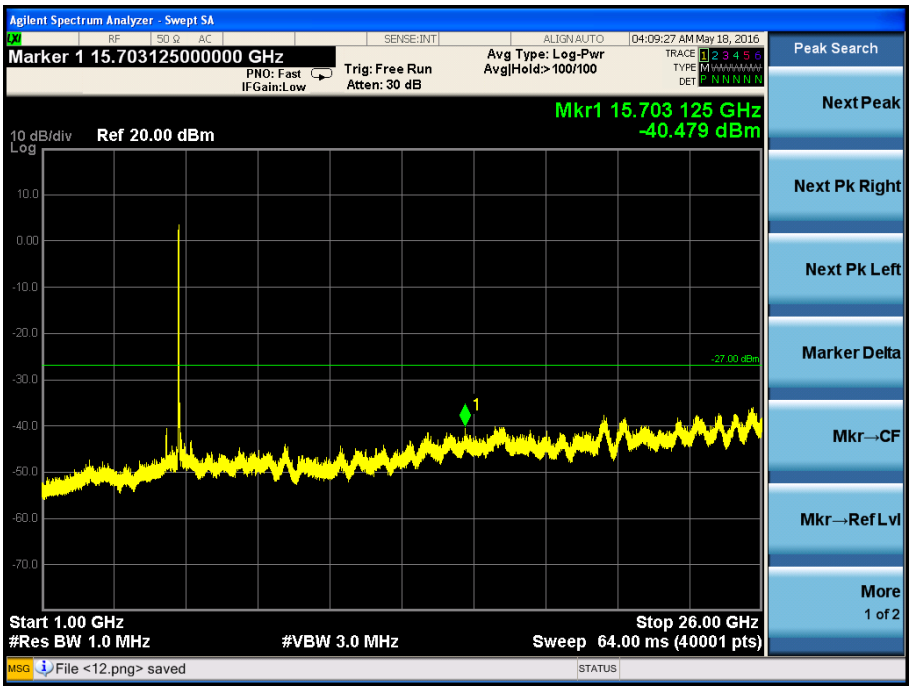
5785MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 671.735586779 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 14/100
03:41:02 AM May 18, 2016
Mkr1 671.74 MHz
-60.618 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 9.918125000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 37/100
04:08:54 AM May 18, 2016
Mkr1 9.918 125 GHz
-46.689 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
File <8.png> saved
STATUS

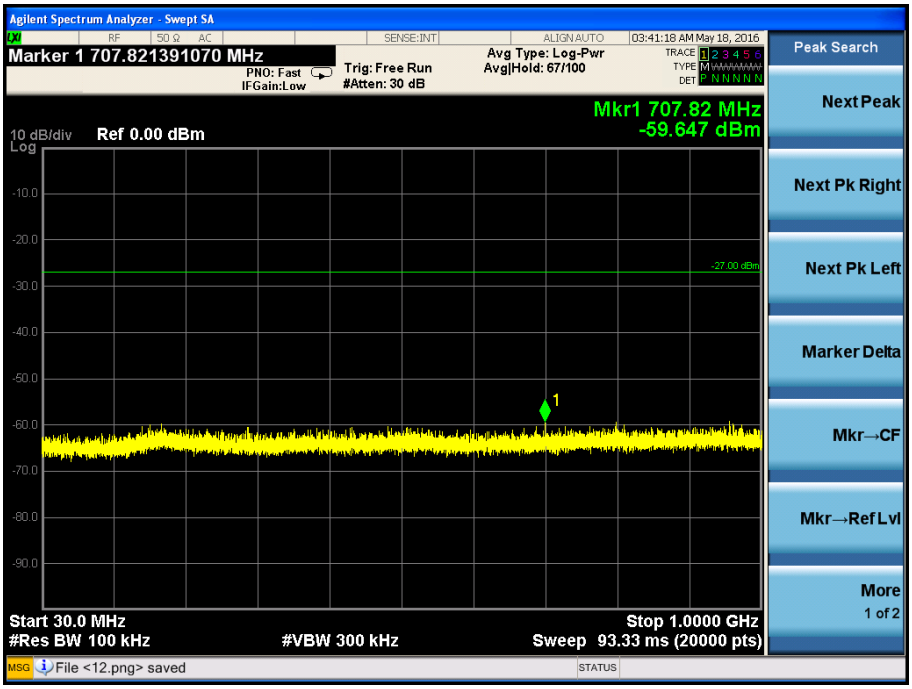
5825MHz

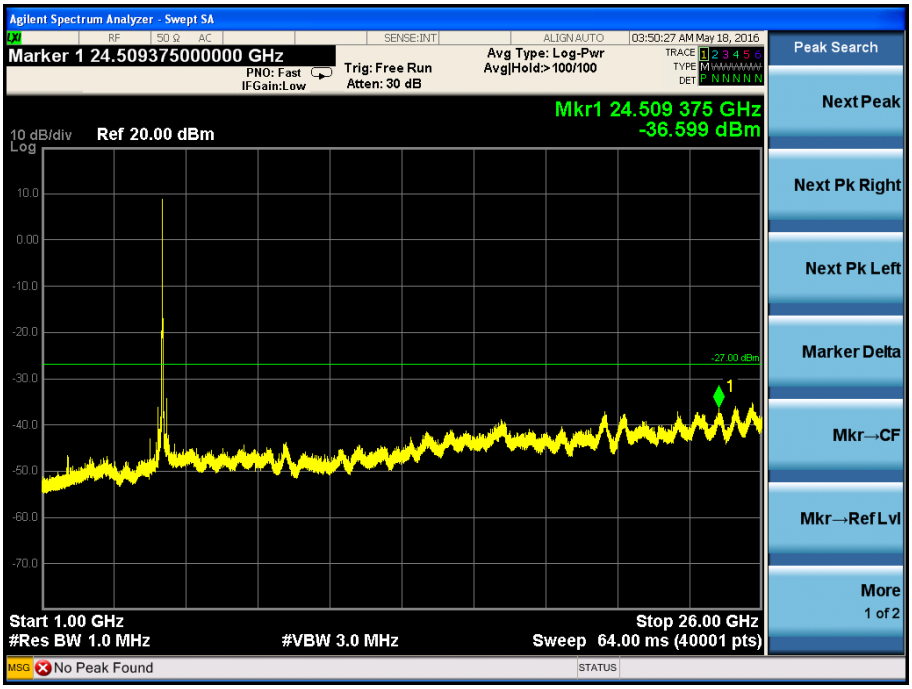

Agilent Spectrum Analyzer - Swept SA
Marker 1 803.807690385 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 17/100
03:41:11 AM May 18, 2016
Mkr1 803.81 MHz
-59.461 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 15.703125000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:09:27 AM May 18, 2016
Mkr1 15.703 125 GHz
-40.479 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <12.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

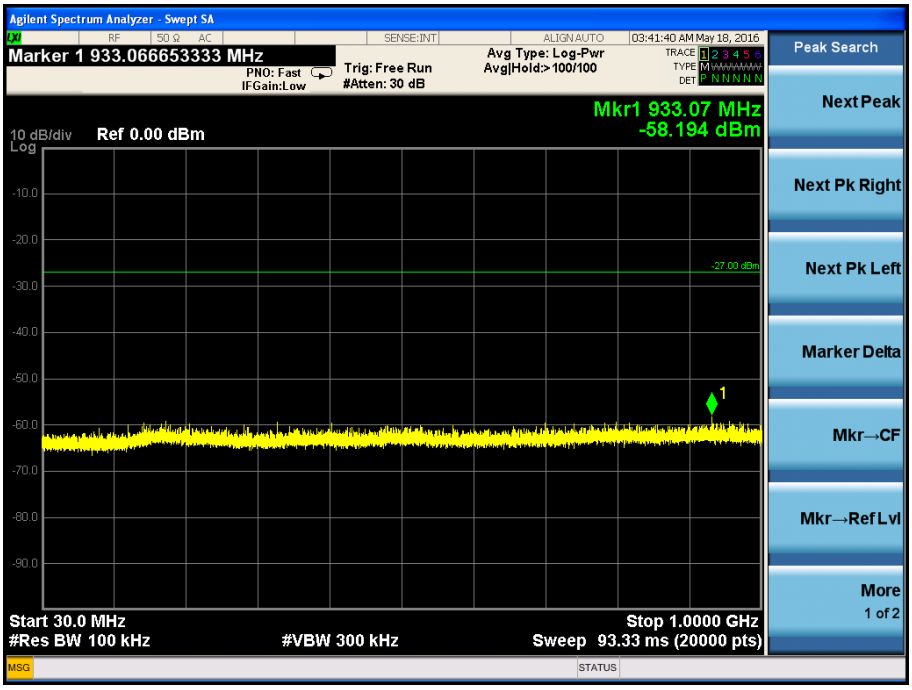
802.11n-HT40

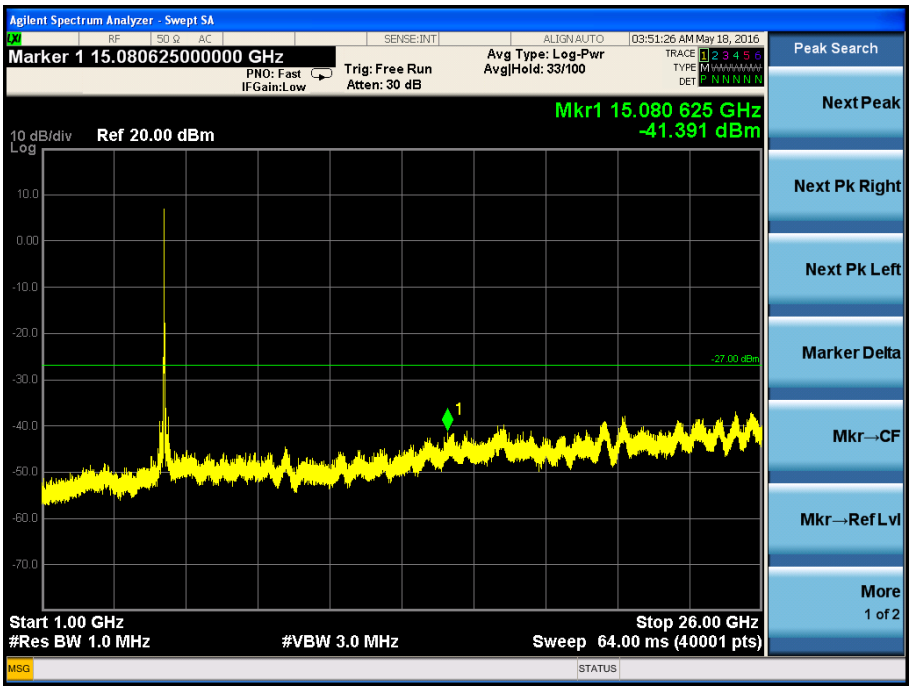
5190MHz



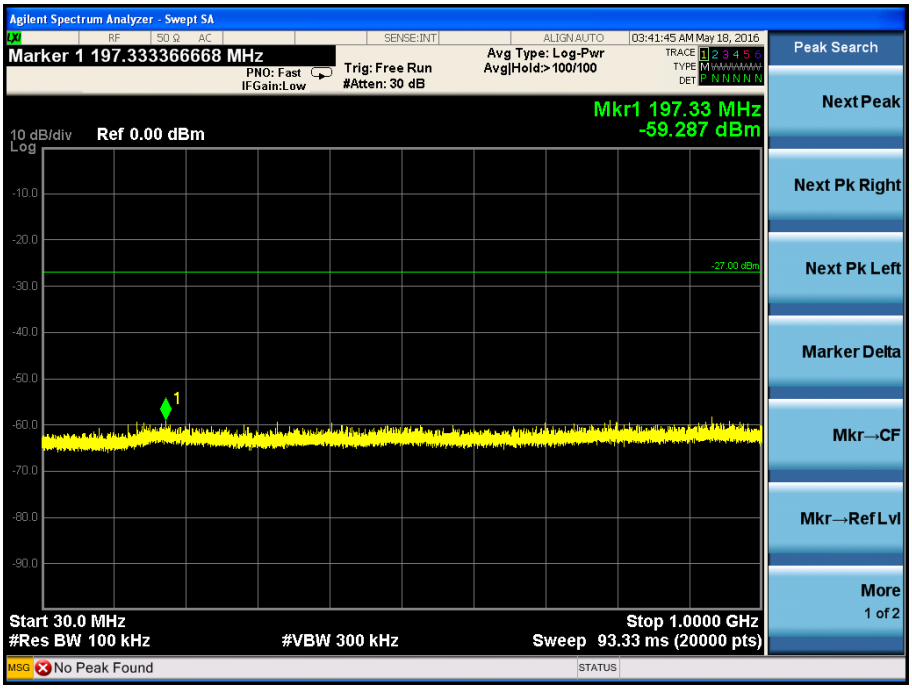


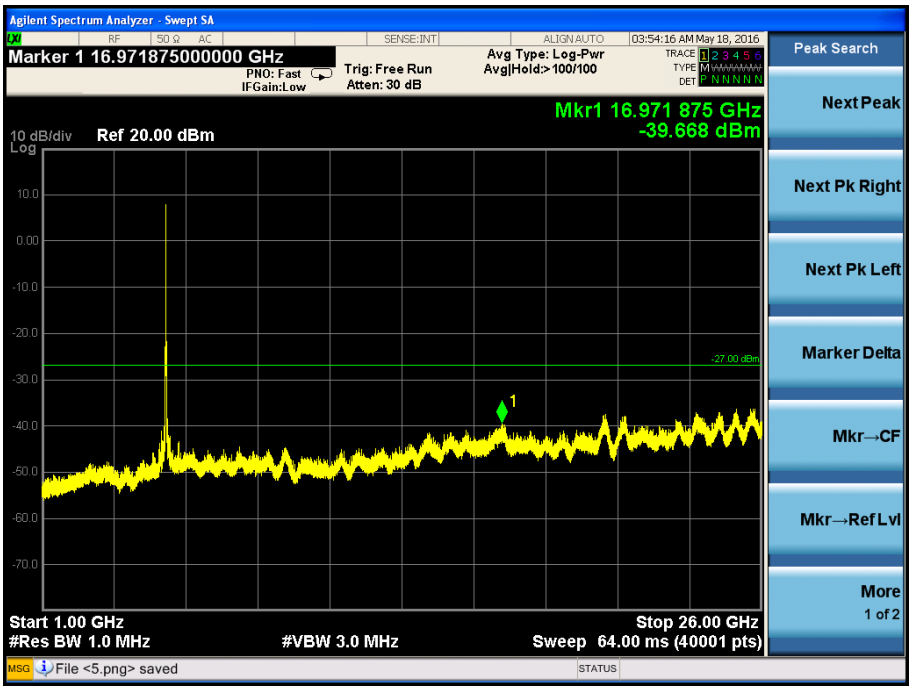
5230MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 933.066653333 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:41:40 AM May 18, 2016
Mkr1 933.07 MHz
-58.194 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

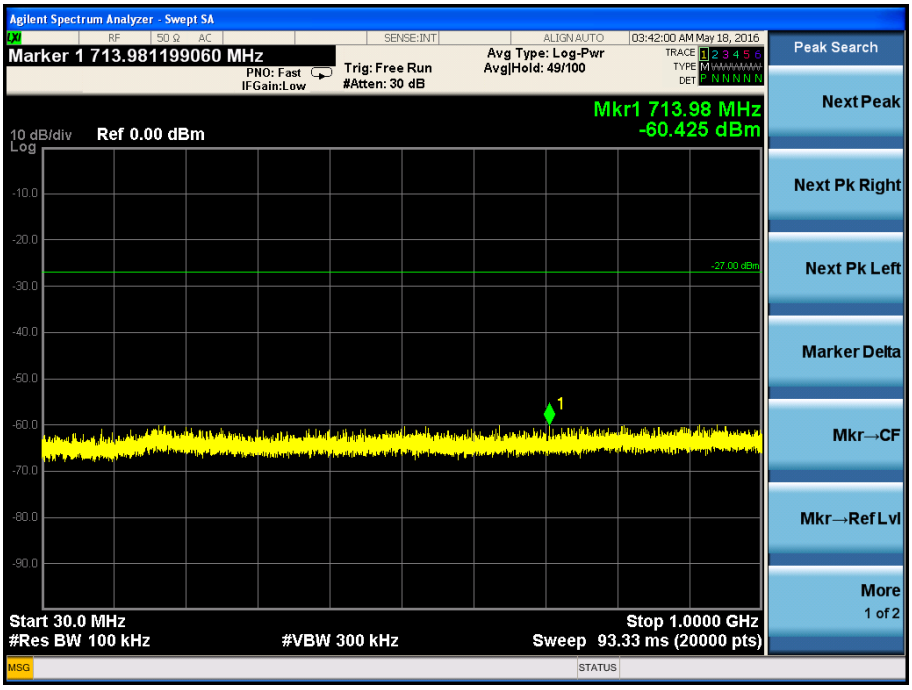

Agilent Spectrum Analyzer - Swept SA
Marker 1 15.080625000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
03:51:26 AM May 18, 2016
Mkr1 15.080 625 GHz
-41.391 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

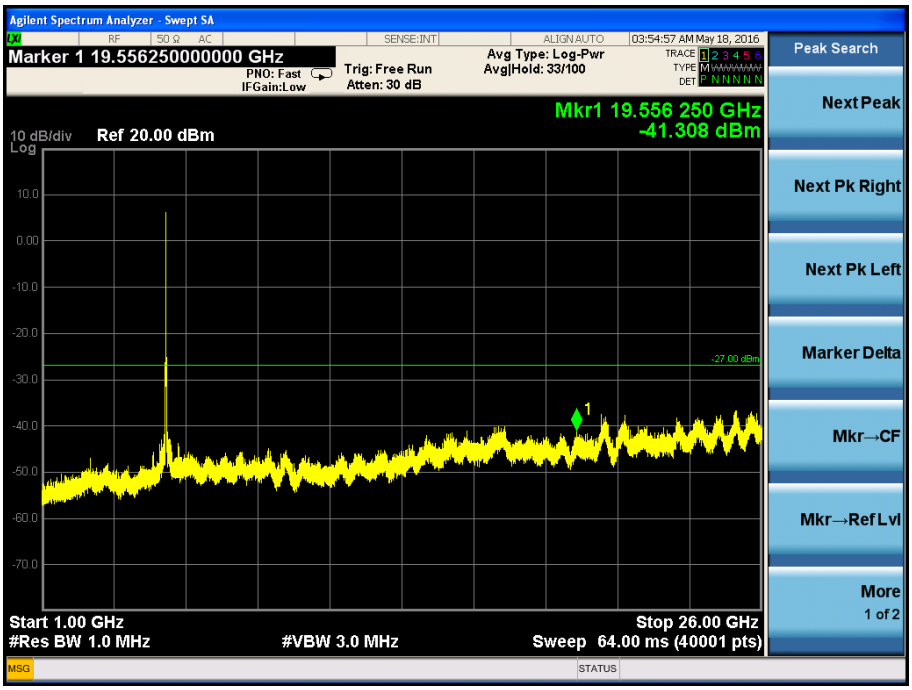
5270MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 197.333366668 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:41:45 AM May 18, 2016
Mkr1 197.33 MHz
-59.287 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
No Peak Found
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

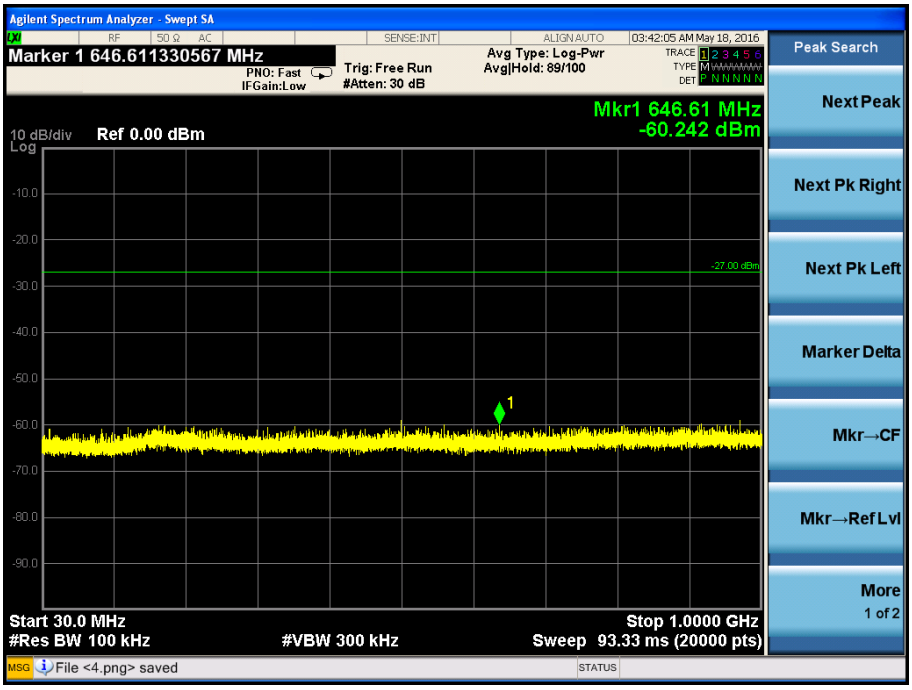

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.971875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:54:16 AM May 18, 2016
Mkr1 16.971 875 GHz
-39.668 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <5.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

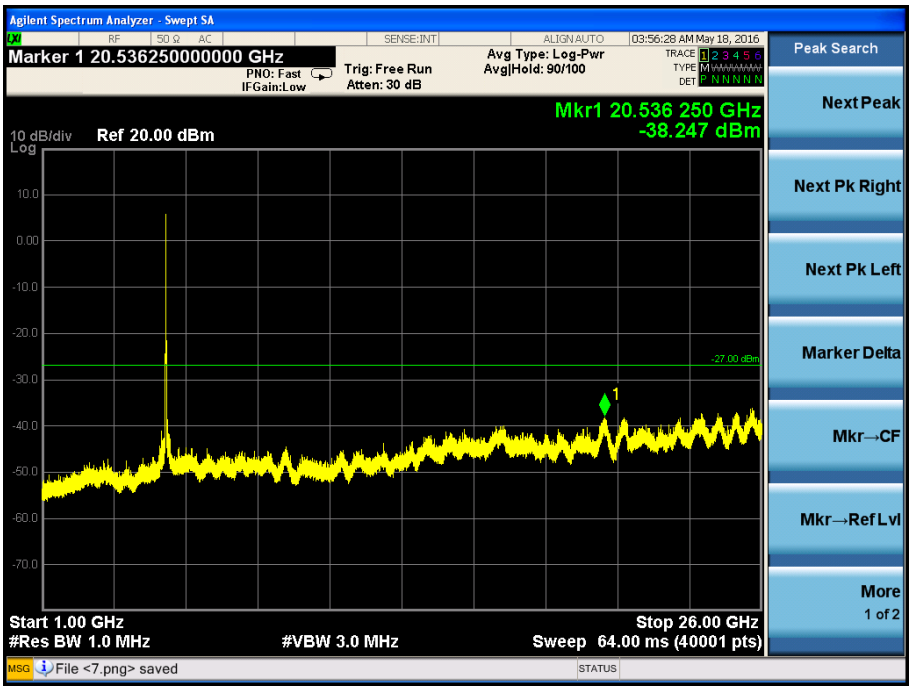
5310MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 713.981199060 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 49/100
03:42:00 AM May 18, 2016
Mkr1 713.98 MHz
-60.425 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

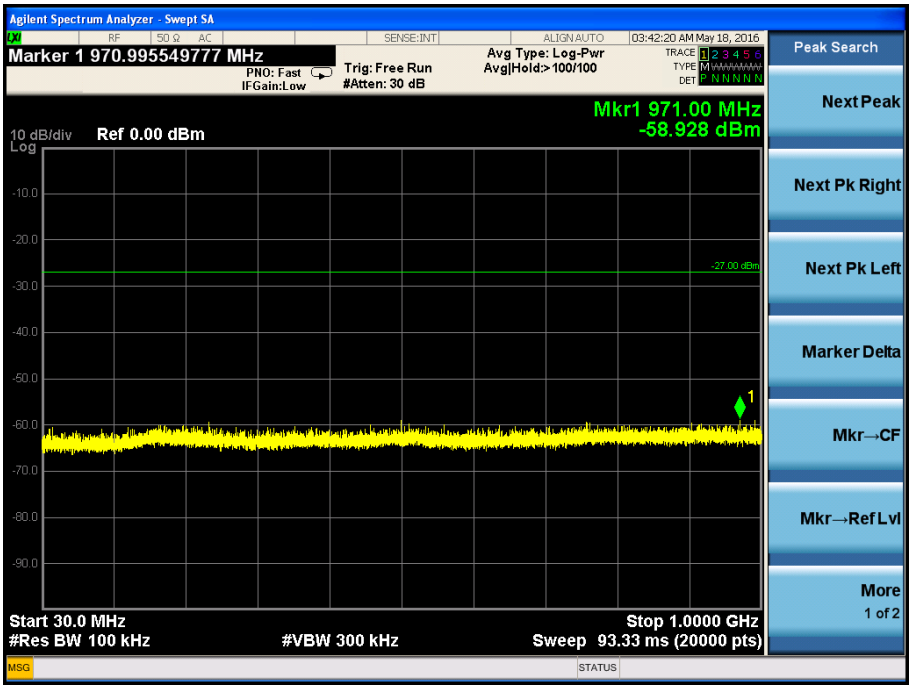

Agilent Spectrum Analyzer - Swept SA
Marker 1 19.556250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
03:54:57 AM May 18, 2016
Mkr1 19.556 250 GHz
-41.308 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

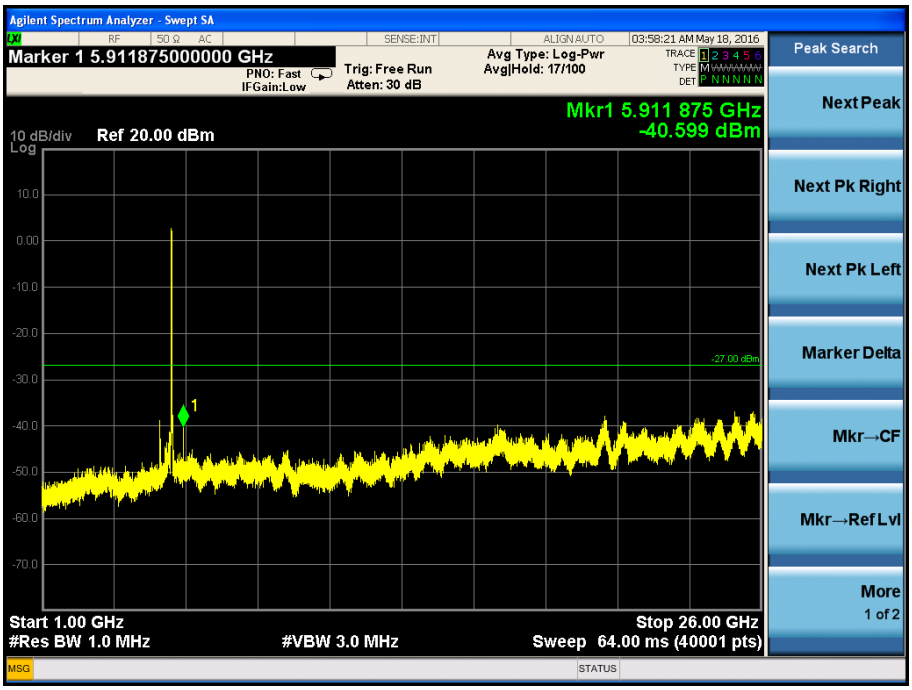
5510MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 646.611330567 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 89/100
03:42:05 AM May 18, 2016
Mkr1 646.61 MHz
-60.242 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
File <4.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

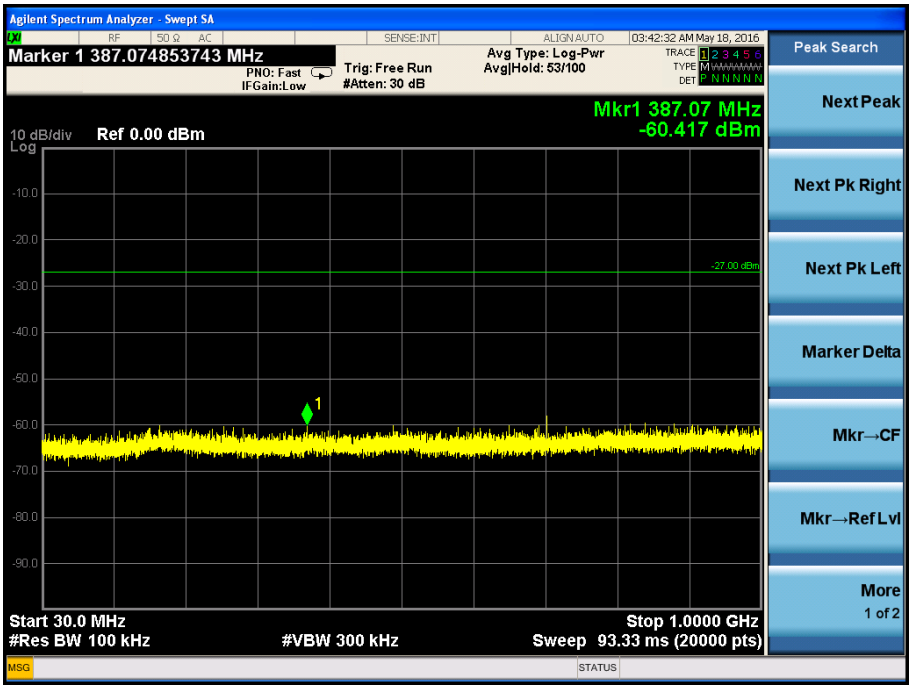

Agilent Spectrum Analyzer - Swept SA
Marker 1 20.536250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 90/100
03:56:28 AM May 18, 2016
Mkr1 20.536 250 GHz
-38.247 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <7.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

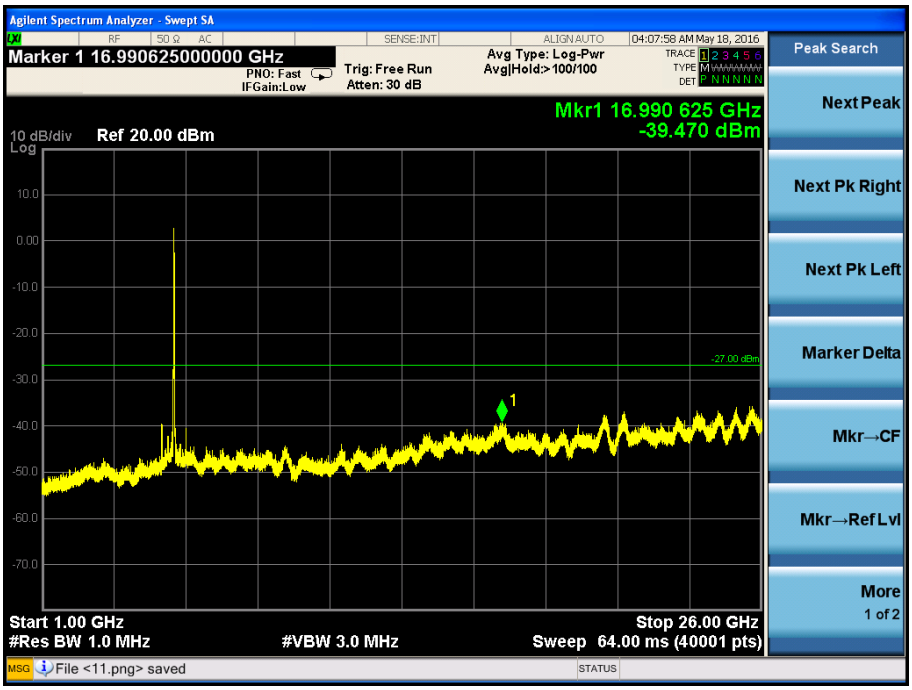
5550MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 970.995549777 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:42:20 AM May 18, 2016
Mkr1 971.00 MHz
-58.928 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

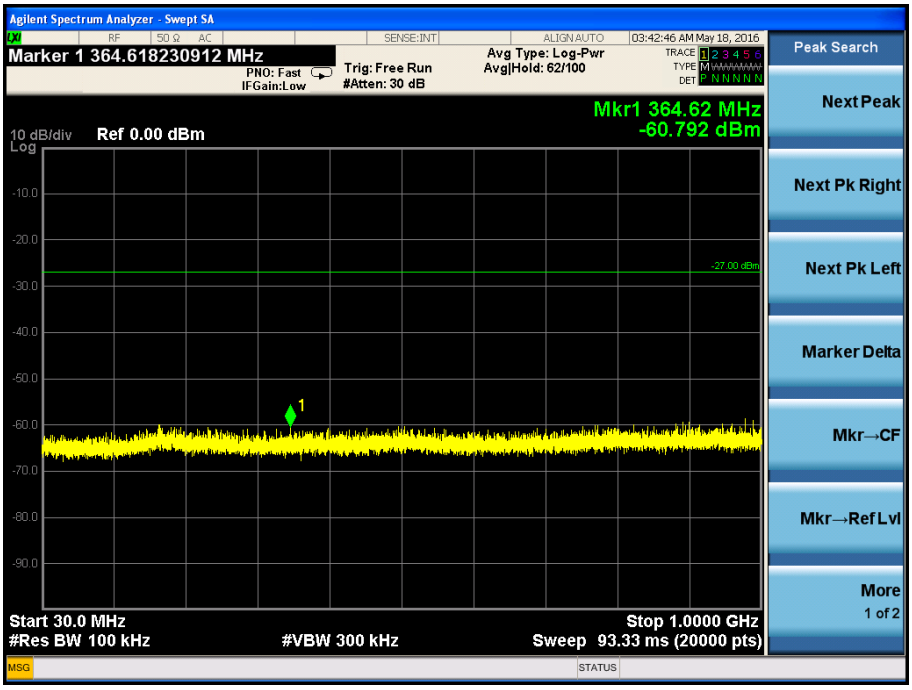

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.911875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 17/100
03:58:21 AM May 18, 2016
Mkr1 5.911 875 GHz
-40.599 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

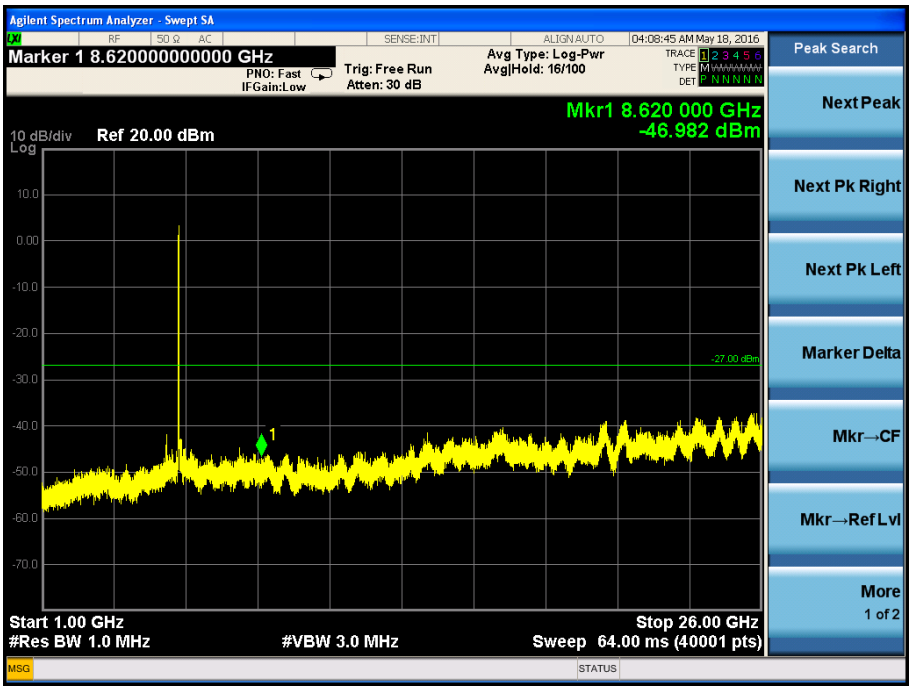
5670MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 387.074853743 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 53/100
03:42:32 AM May 18, 2016
Mkr1 387.07 MHz
-60.417 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

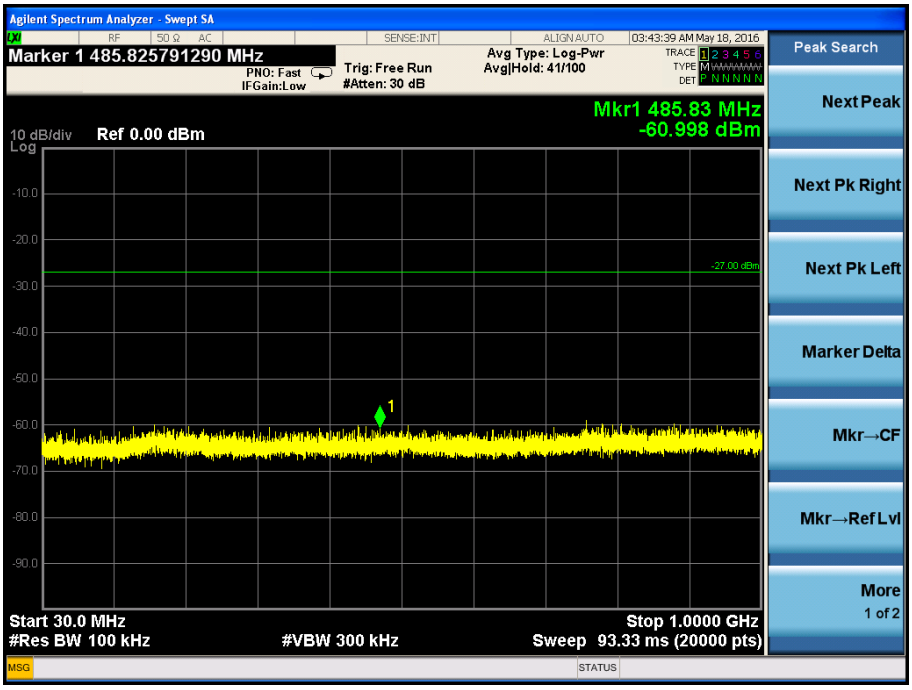

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.990625000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:07:58 AM May 18, 2016
Mkr1 16.990 625 GHz
-39.470 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
File <11.png> saved
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

5755MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 364.618230912 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
03:42:46 AM May 18, 2016
Mkr1 364.62 MHz
-60.792 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 8.620000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 16/100
04:08:45 AM May 18, 2016
Mkr1 8.620 000 GHz
-46.982 dBm
10 dB/div
Log
Ref 20.00 dBm
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

5795MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 485.825791290 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 41/100
03:43:39 AM May 18, 2016
Mkr1 485.83 MHz
-60.998 dBm
10 dB/div
Log
Ref 0.00 dBm
-27.00 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (20000 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

9. Radiated Spurious Emissions

9.1 Measurement Uncertainty

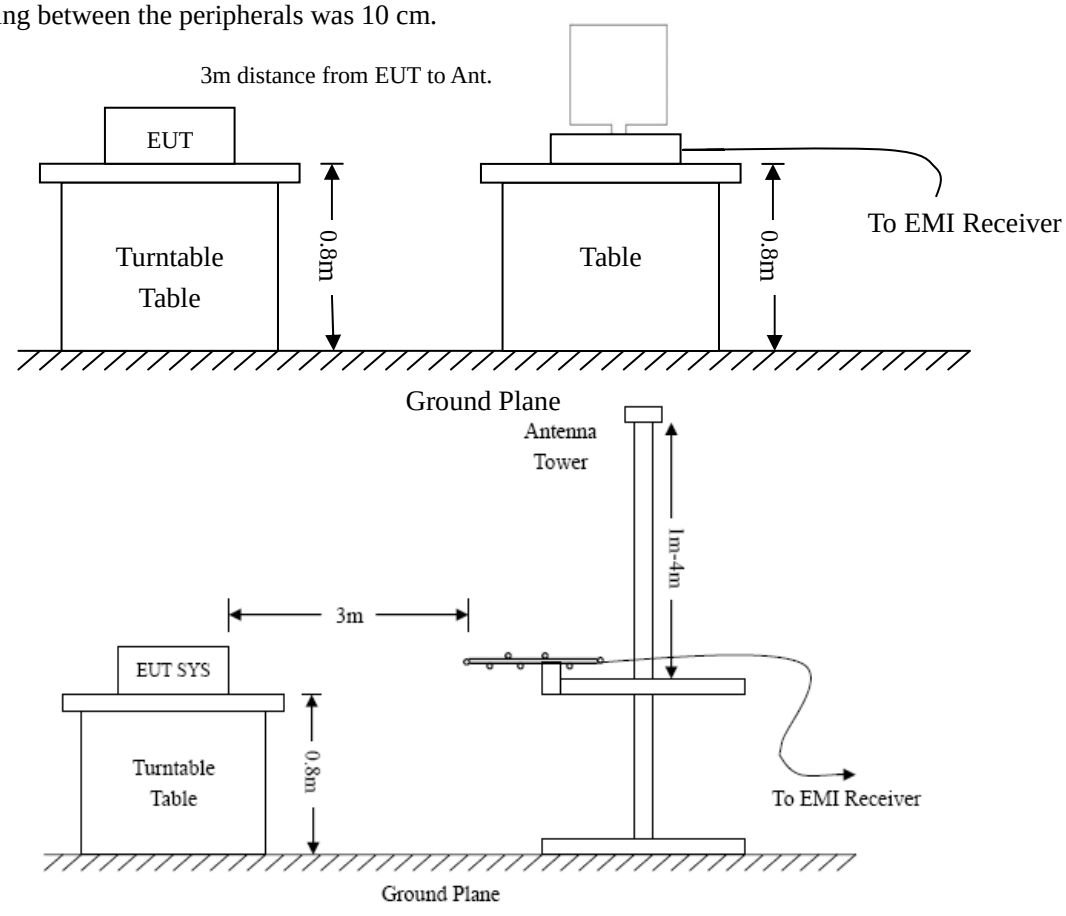
Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is ±5.10 dB.

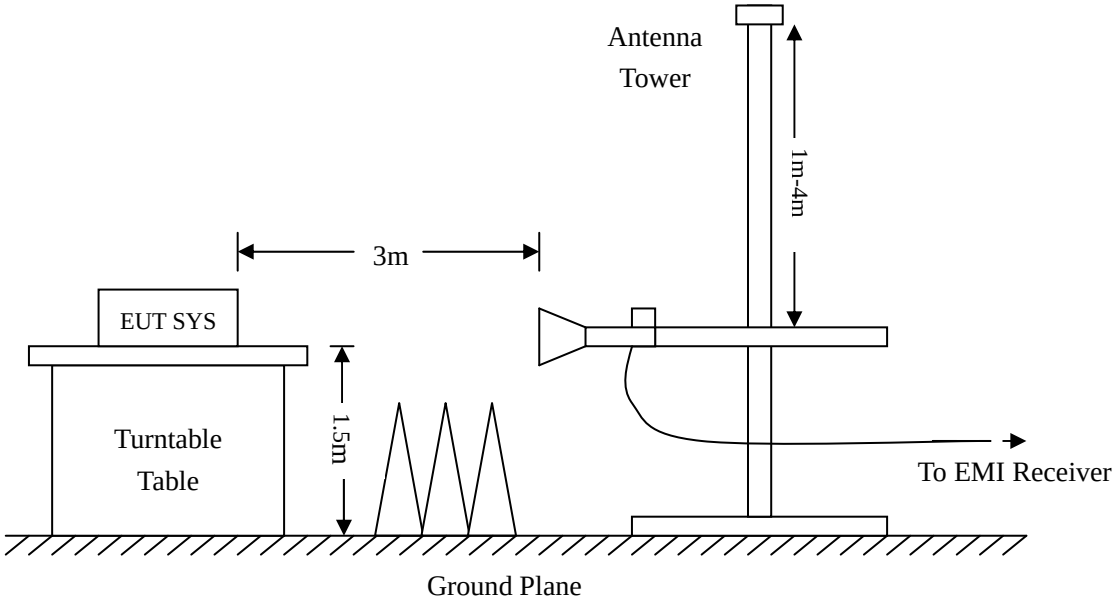
9.2 Standard Applicable

According to §15.407(b)(6), Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
According to §15.407(b)(7), The provisions of §15.205 apply to intentional radiators operating under this section.
789033 D02 General UNII Test Procedures New Rules v01, If radiated measurements are performed, field strength is then converted to EIRP as follows: EIRP = ((E*d)^2) / 30, where:
E is the field strength in V/m; d is the measurement distance in meters;
EIRP is the equivalent isotropically radiated power in watts.

9.3 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..
The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.
The spacing between the peripherals was 10 cm.





9.4 Test Receiver Setup

During the radiated emission test, the test receiver was set with the following configurations:

Frequency :9kHz-30MHz	Frequency :30MHz-1GHz	Frequency :Above 1GHz
RBW=10KHz,	RBW=120KHz,	RBW=1MHz,
VBW =30KHz	VBW=300KHz	VBW=3MHz(Peak), 10Hz(AV)
Sweep time= Auto	Sweep time= Auto	Sweep time= Auto
Trace = max hold	Trace = max hold	Trace = max hold
Detector function = peak	Detector function = peak, QP	Detector function = peak, AV

9.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Ant. Factor + Cable Loss – Ampl. Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part 15 Limit

9.6 Environmental Conditions

Temperature:	22° C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

9.7 Summary of Test Results/Plots

According to the data below, the FCC Part 15.205, 15.209 and 15.407(b)(6) standards, and had the worst margin of:

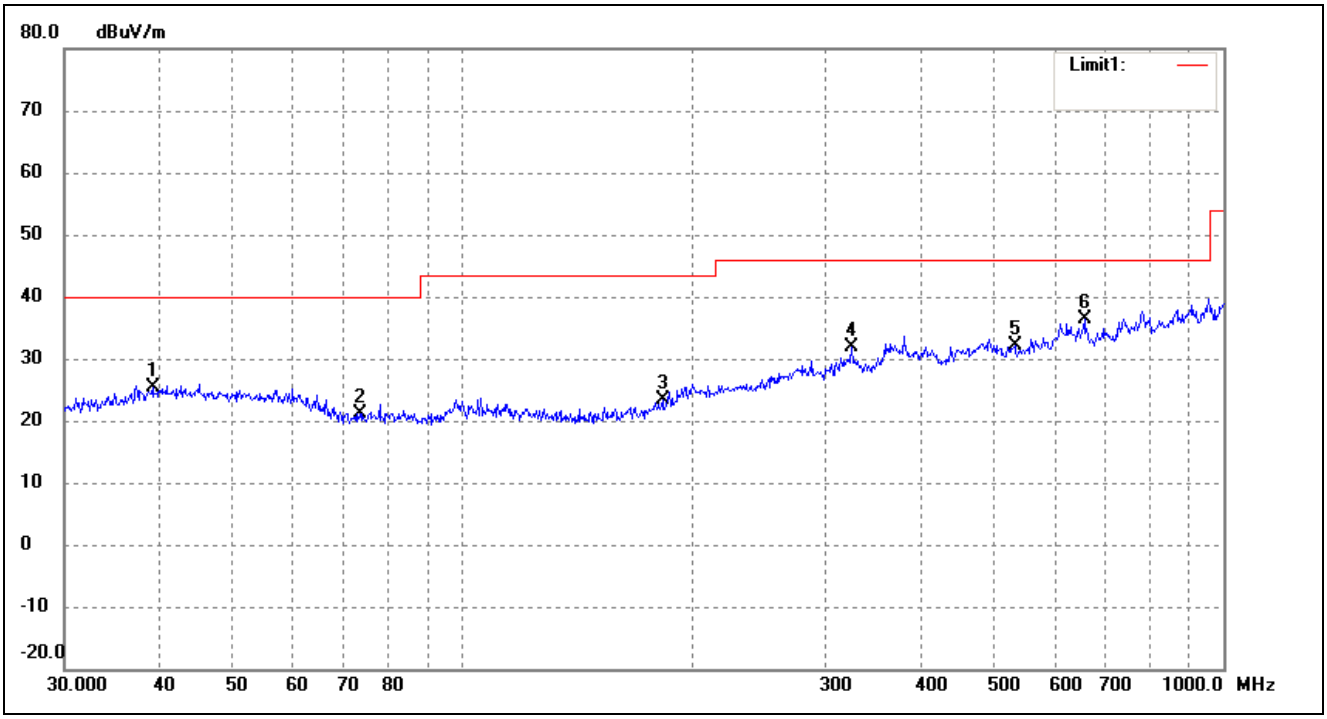
Note: *this EUT was tested in 3 orthogonal positions and the worst case position data was reported.*

For 802.11a

Spurious Emission From 30 MHz to 1 GHz

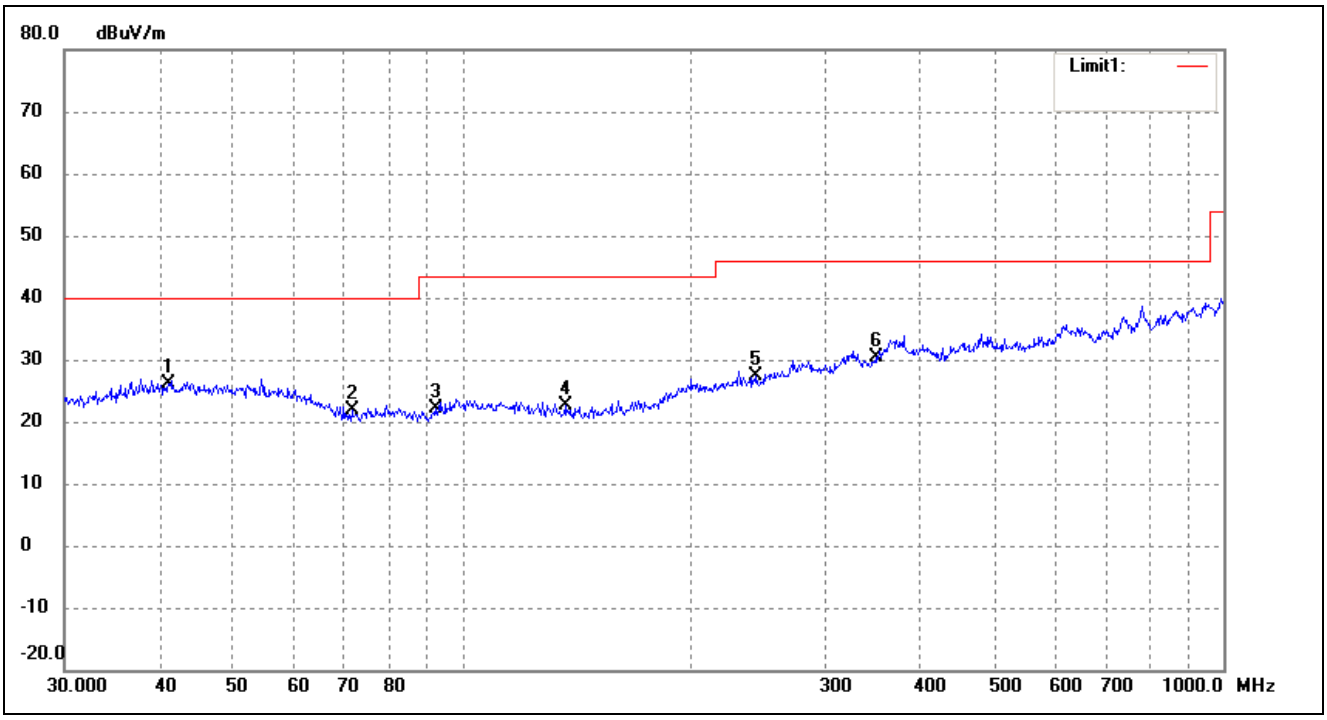
Test mode: Transmitting Channel 5180MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1616	33.34	-7.90	25.44	40.00	-14.56	35	100	peak
2	73.3593	33.68	-12.55	21.13	40.00	-18.87	68	100	peak
3	183.2005	34.31	-10.93	23.38	43.50	-20.12	105	100	peak
4	324.4561	36.60	-4.70	31.90	46.00	-14.10	138	100	peak
5	531.9635	33.88	-1.83	32.05	46.00	-13.95	35	100	peak
6	656.5300	36.04	0.37	36.41	46.00	-9.59	68	100	peak

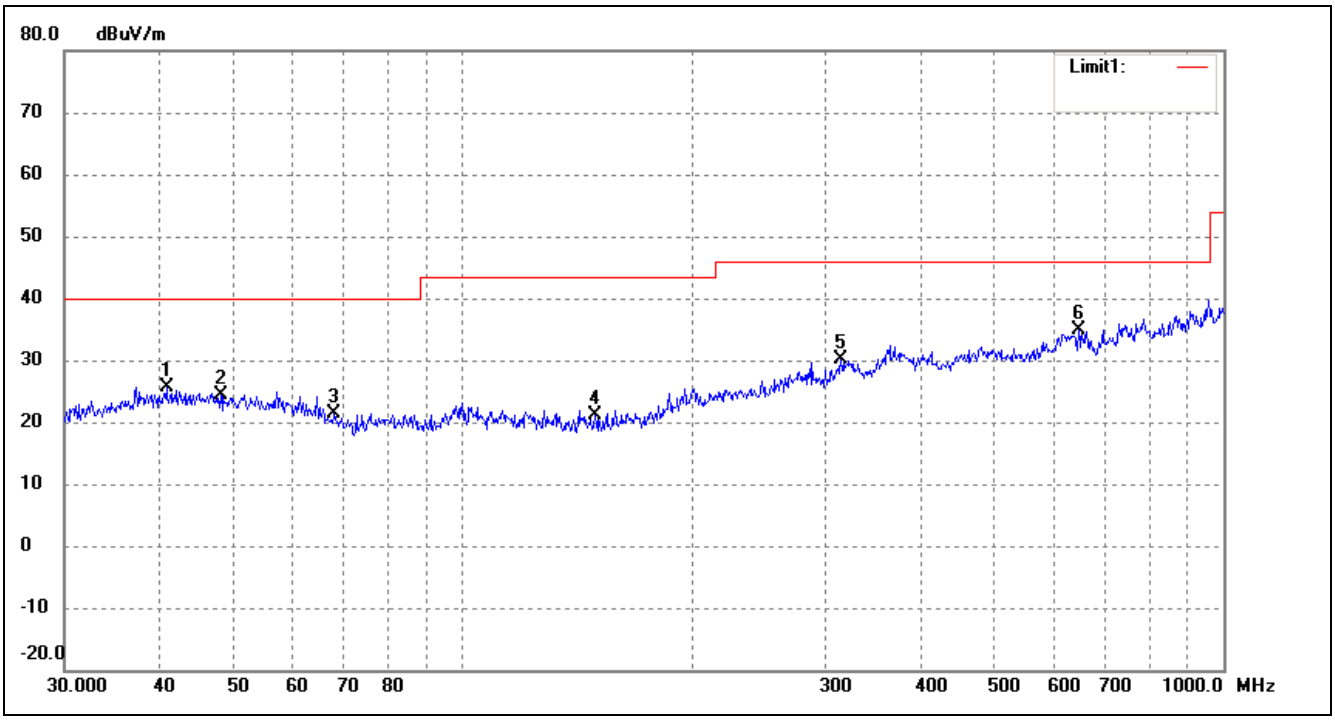
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.1320	33.94	-7.74	26.20	40.00	-13.80	0	100	peak
2	71.5806	34.58	-12.70	21.88	40.00	-18.12	0	100	peak
3	92.1388	34.72	-12.51	22.21	43.50	-21.29	0	100	peak
4	136.4598	35.04	-12.37	22.67	43.50	-20.83	0	100	peak
5	243.3772	35.54	-8.10	27.44	46.00	-18.56	0	100	peak
6	349.2500	34.54	-4.19	30.35	46.00	-15.65	0	100	peak

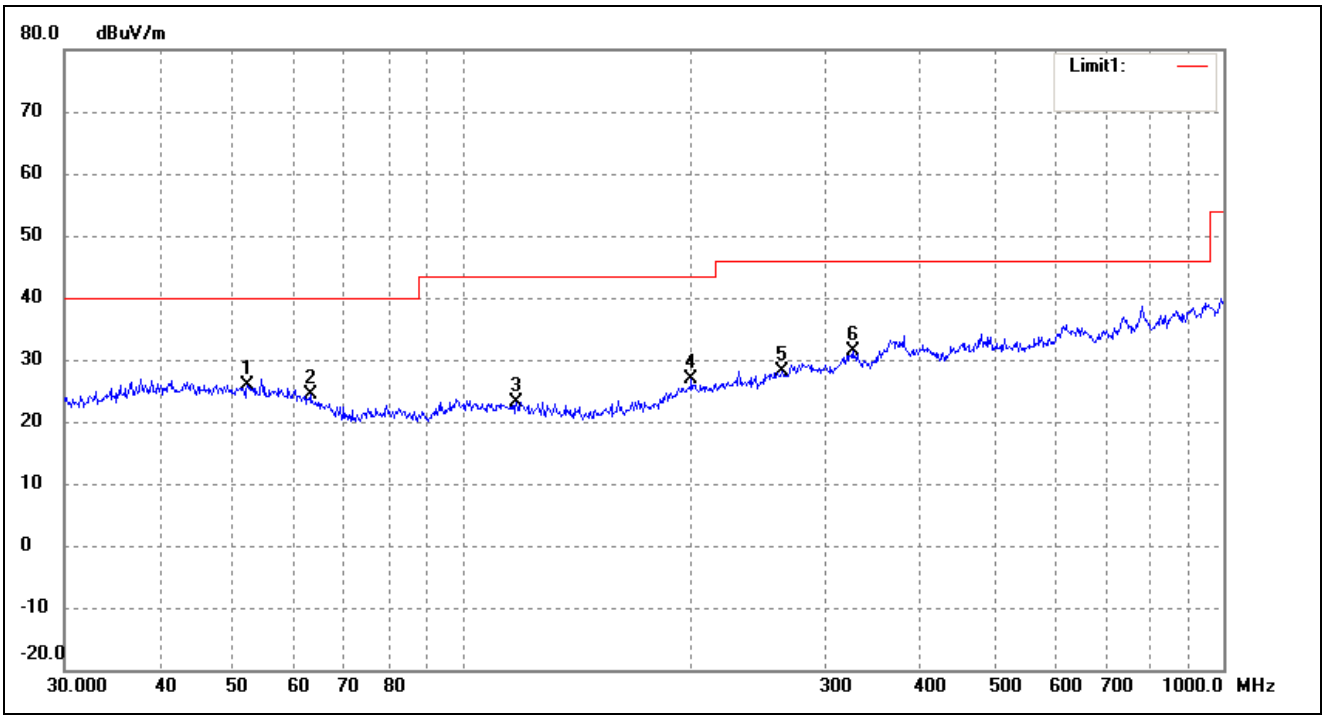
Test mode: Transmitting Channel 5300MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8446	33.23	-7.72	25.51	40.00	-14.49	39	100	peak
2	48.1626	32.58	-8.20	24.38	40.00	-15.62	164	100	peak
3	67.9129	33.44	-12.15	21.29	40.00	-18.71	204	100	peak
4	149.4857	33.57	-12.43	21.14	43.50	-22.36	255	100	peak
5	314.3765	35.09	-4.92	30.17	46.00	-15.83	39	100	peak
6	645.1195	34.38	0.61	34.99	46.00	-11.01	164	100	peak

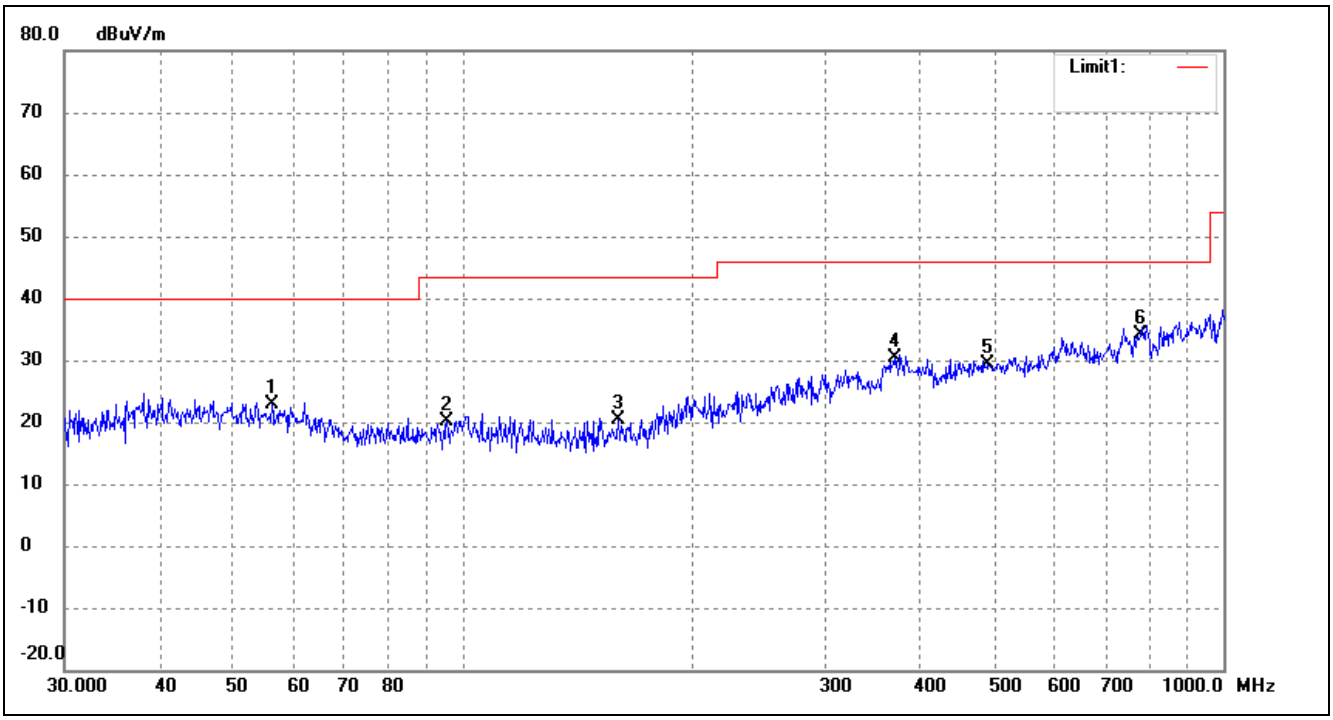
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2079	34.46	-8.59	25.87	40.00	-14.13	50	100	peak
2	63.0916	34.87	-10.58	24.29	40.00	-15.71	89	100	peak
3	117.7725	34.56	-11.37	23.19	43.50	-20.31	135	100	peak
4	199.9856	35.63	-8.65	26.98	43.50	-16.52	169	100	peak
5	262.8955	34.95	-6.83	28.12	46.00	-17.88	50	100	peak
6	325.5958	36.09	-4.72	31.37	46.00	-14.63	89	100	peak

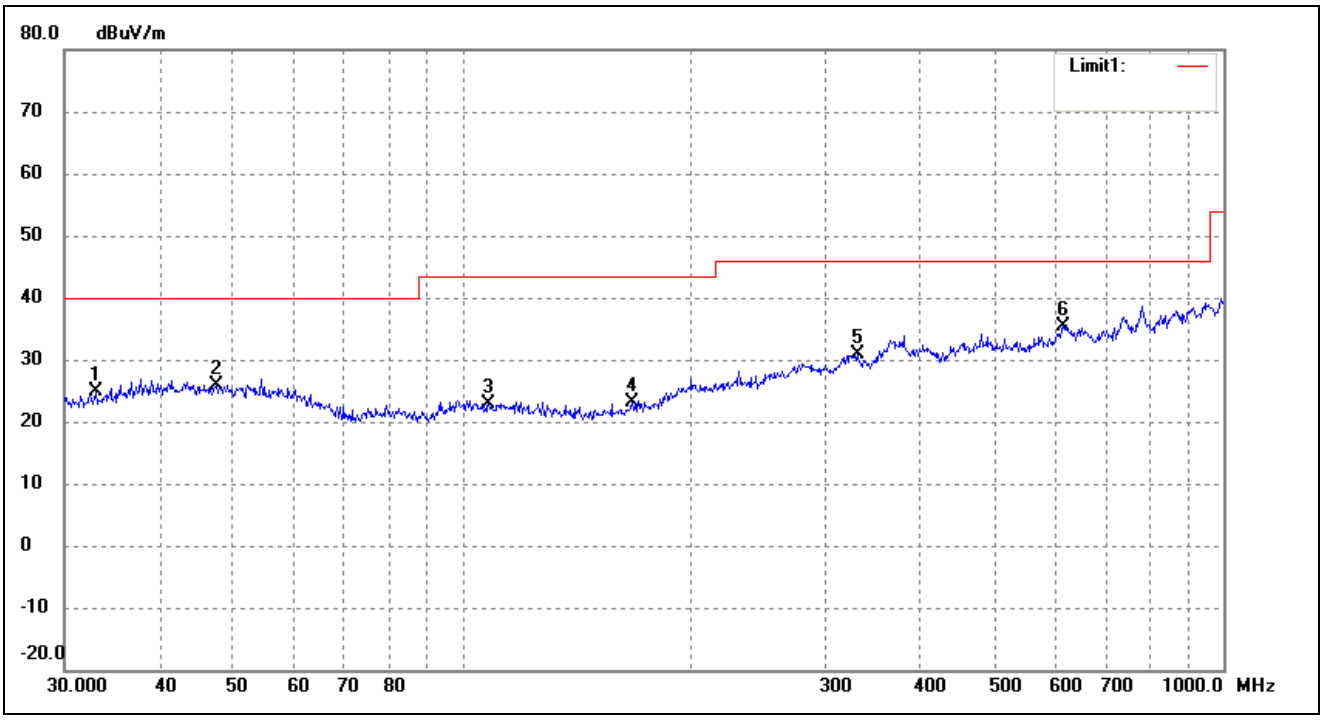
Test mode: Transmitting Channel 5580MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	56.1974	31.97	-9.10	22.87	40.00	-17.13	44	100	peak
2	95.4270	31.93	-11.83	20.10	43.50	-23.40	149	100	peak
3	160.3457	32.70	-12.25	20.45	43.50	-23.05	183	100	peak
4	369.4047	33.16	-2.71	30.45	46.00	-15.55	226	100	peak
5	490.7447	31.11	-1.66	29.45	46.00	-16.55	44	100	peak
6	776.8778	31.47	2.73	34.20	46.00	-11.80	149	100	peak

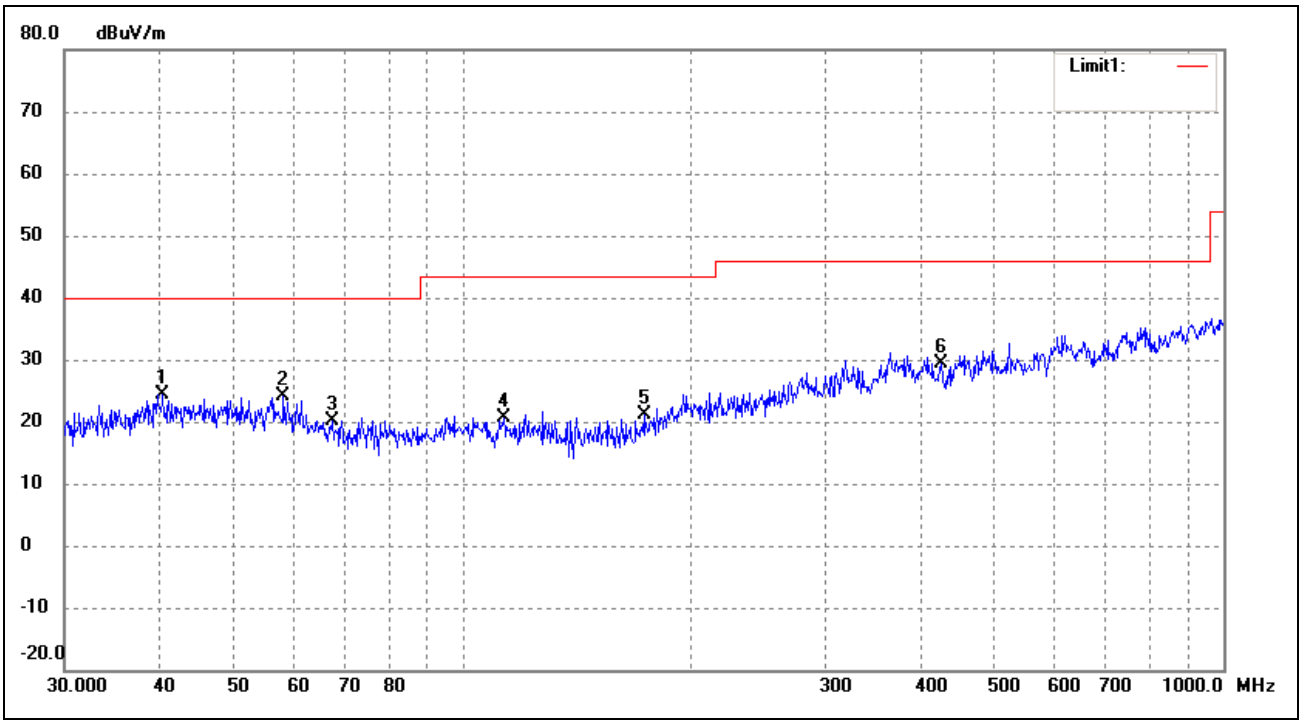
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.9791	34.41	-9.56	24.85	40.00	-15.15	42	100	peak
2	47.4918	33.95	-8.16	25.79	40.00	-14.21	79	100	peak
3	108.2667	33.93	-11.11	22.82	43.50	-20.68	176	100	peak
4	167.2368	35.14	-11.94	23.20	43.50	-20.30	255	100	peak
5	330.1949	35.66	-4.81	30.85	46.00	-15.15	42	100	peak
6	616.3718	34.38	0.99	35.37	46.00	-10.63	79	100	peak

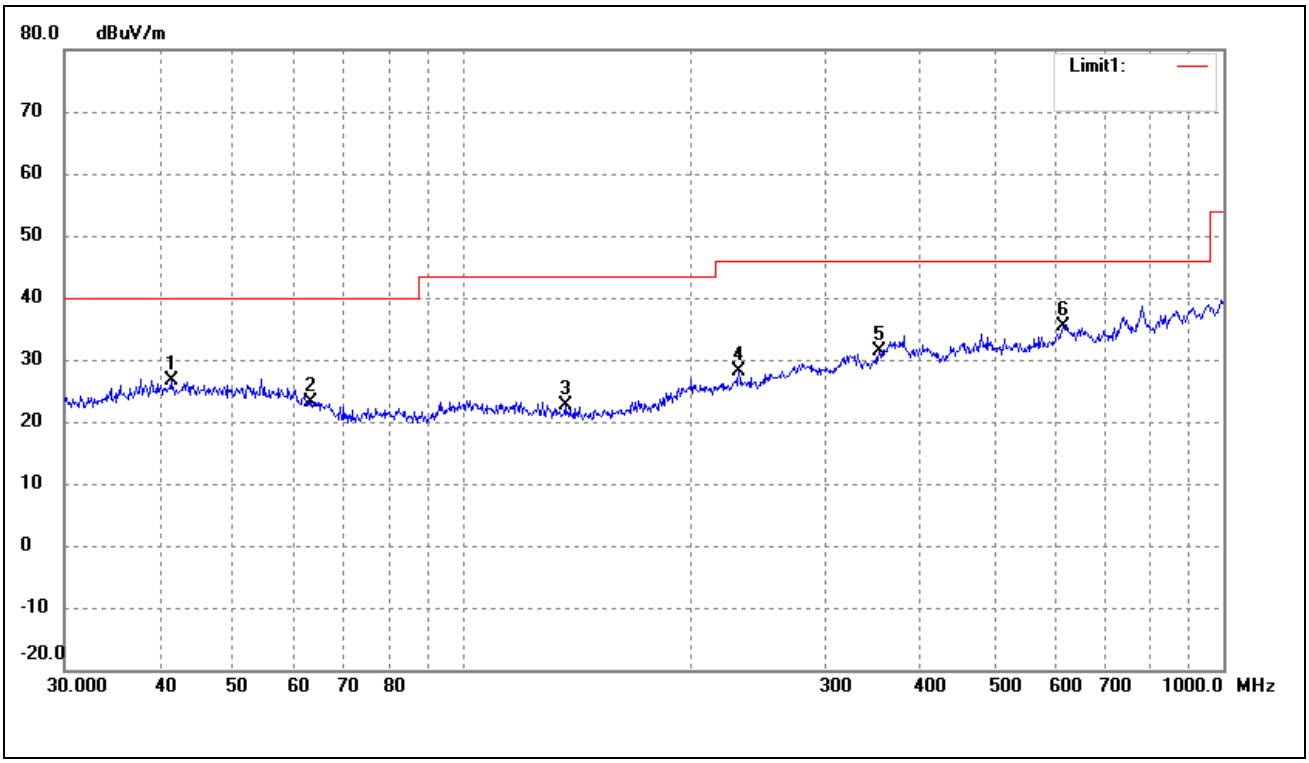
Test mode: Transmitting Channel 5785MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.4172	31.96	-7.70	24.26	40.00	-15.74	46	100	peak
2	58.2030	33.52	-9.35	24.17	40.00	-15.83	149	100	peak
3	67.4382	32.22	-12.00	20.22	40.00	-19.78	169	100	peak
4	113.3163	31.87	-11.25	20.62	43.50	-22.88	212	100	peak
5	173.2051	32.81	-11.68	21.13	43.50	-22.37	46	100	peak
6	426.5210	32.82	-3.32	29.50	46.00	-16.50	149	100	peak

Test Specification: *Vertical*

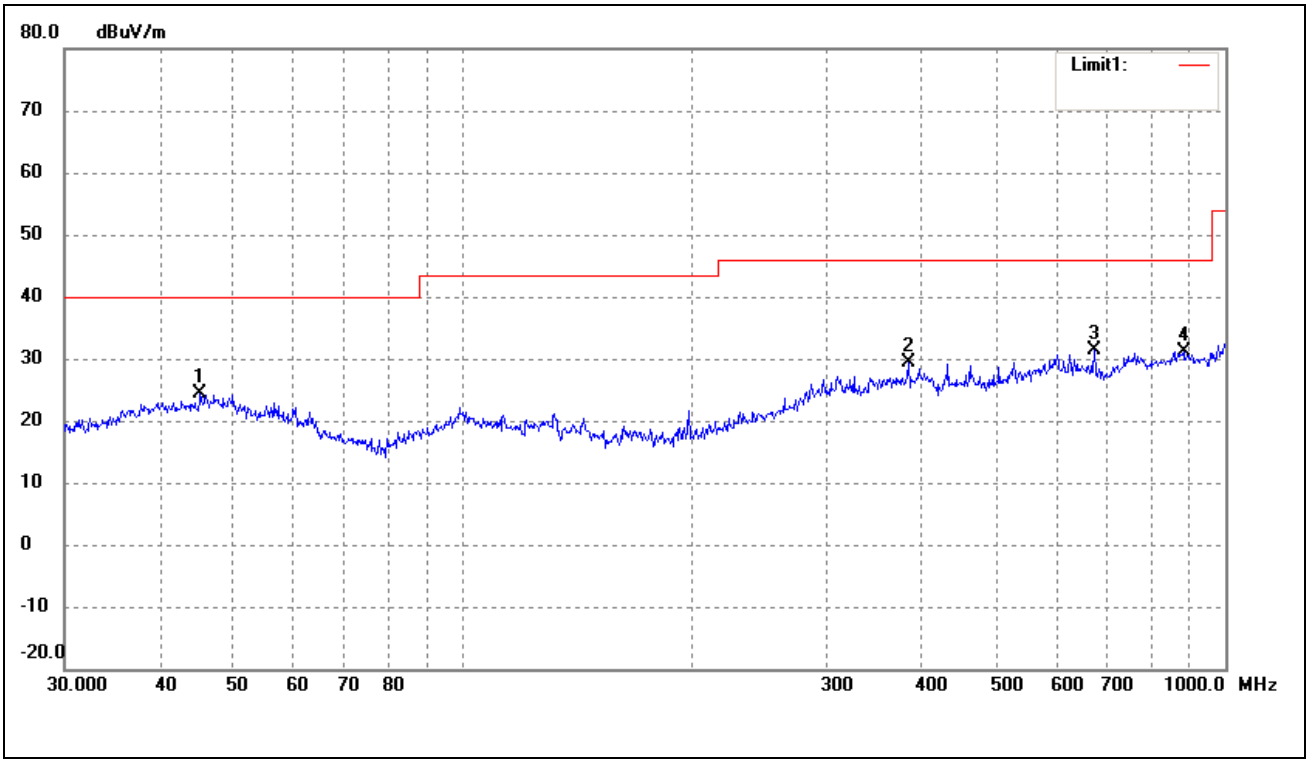


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	41.4215	34.43	-7.76	26.67	40.00	-13.33	39	100	peak
2	63.3132	33.90	-10.66	23.24	40.00	-16.76	97	100	peak
3	136.4598	35.04	-12.37	22.67	43.50	-20.83	156	100	peak
4	230.9068	36.58	-8.57	28.01	46.00	-17.99	221	100	peak
5	352.9434	35.18	-3.86	31.32	46.00	-14.68	180	100	peak
6	616.3718	34.38	0.99	35.37	46.00	-10.63	21	100	peak

For 802.11n-HT20

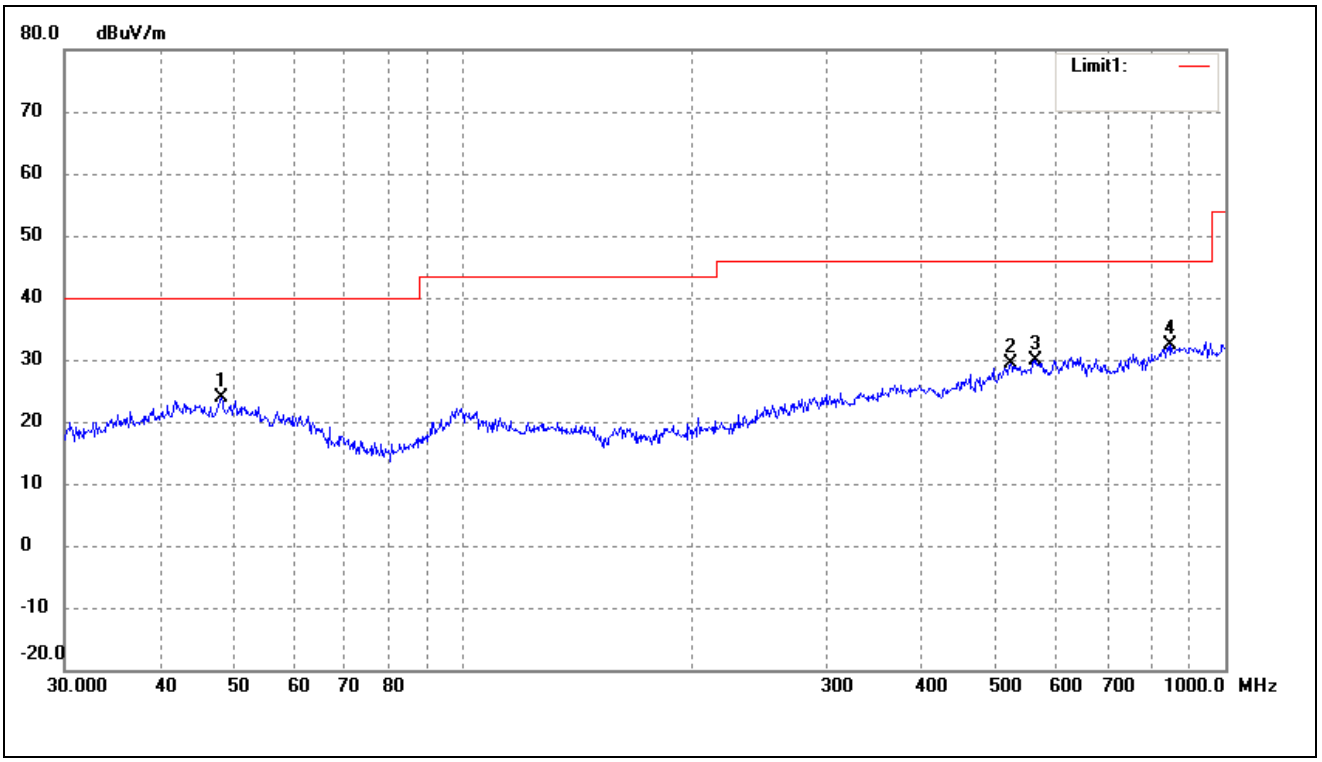
Test mode: Transmitting Channel 5180MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	45.2165	17.53	6.74	24.27	40.00	-15.73	54	100	peak
2	383.9318	20.07	9.38	29.45	46.00	-16.55	125	100	peak
3	672.8445	19.24	12.22	31.46	46.00	-14.54	167	100	peak
4	881.4067	14.27	16.82	31.09	46.00	-14.91	241	100	peak

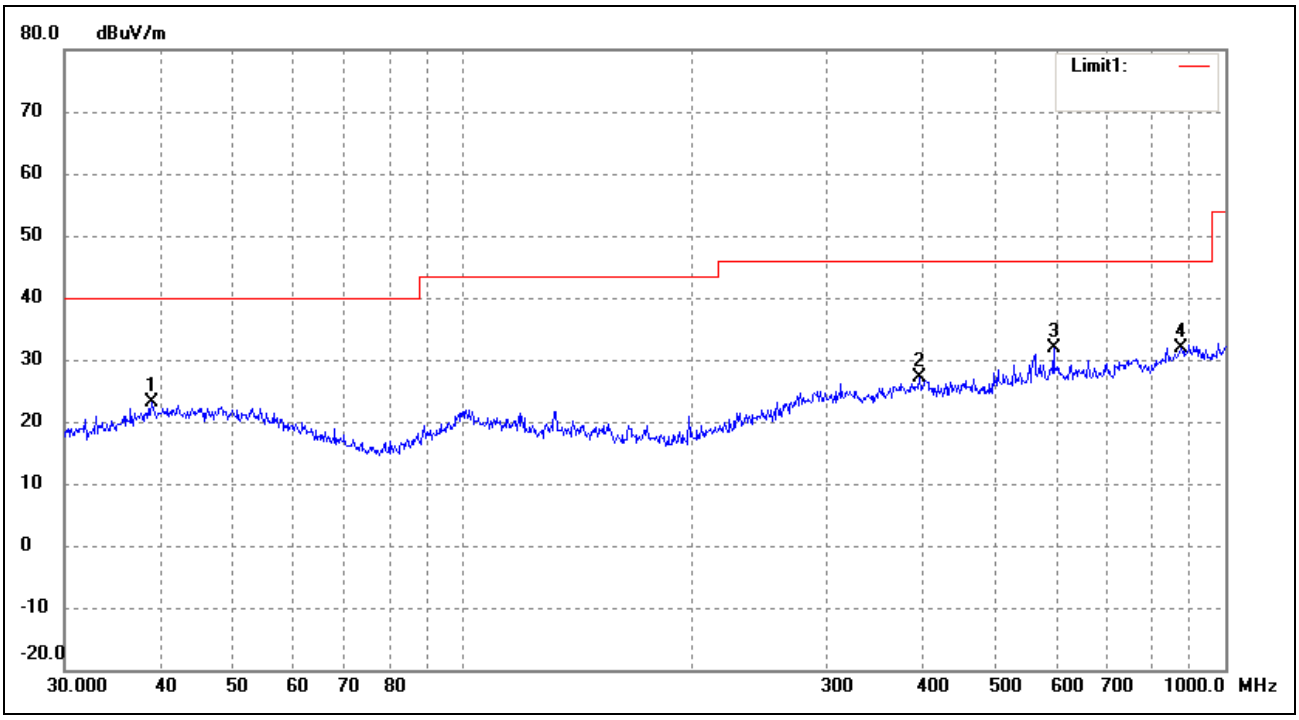
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	48.1625	16.97	6.81	23.78	40.00	-16.22	37	100	peak
2	522.7178	18.12	11.37	29.49	46.00	-16.51	204	100	peak
3	564.6389	18.12	11.77	29.89	46.00	-16.11	232	100	peak
4	848.0561	16.42	15.86	32.28	46.00	-13.72	268	100	peak

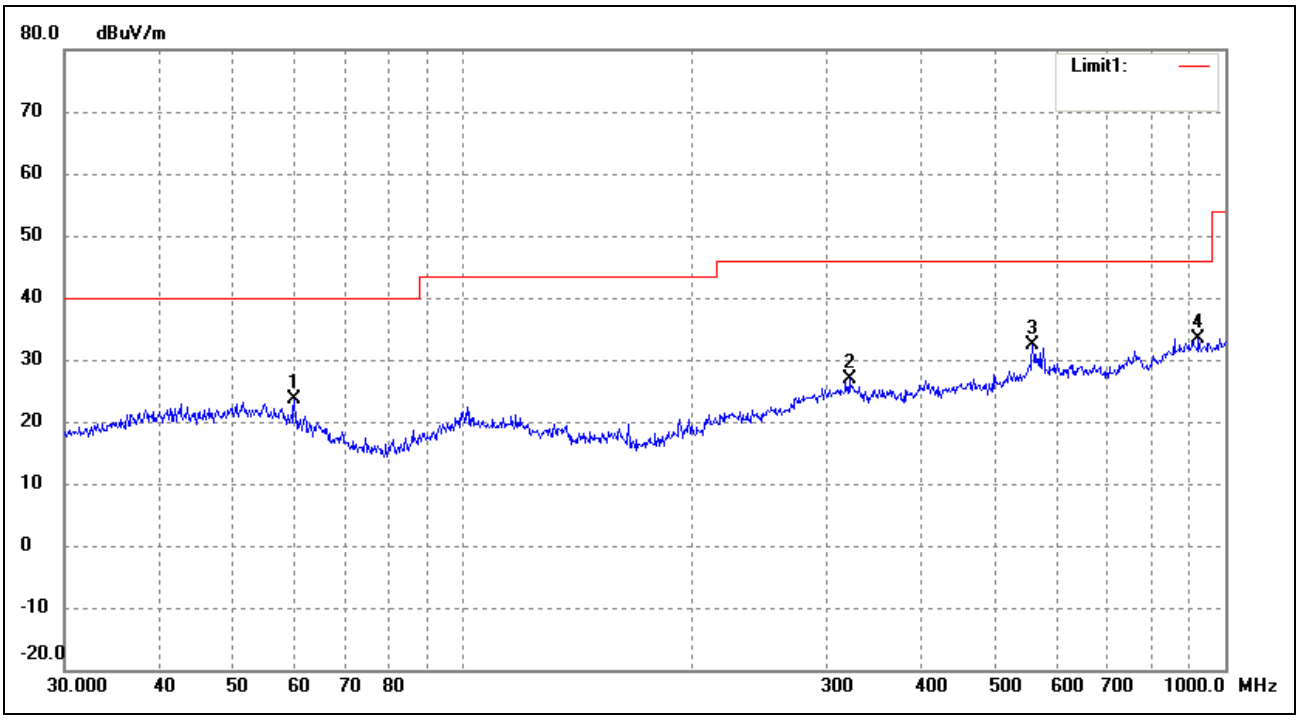
Test mode: Transmitting Channel 5260MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	39.0245	14.03	9.08	23.11	40.00	-16.89	29	100	peak
2	396.2413	17.29	9.95	27.24	46.00	-18.76	135	100	peak
3	595.1326	18.85	13.14	31.99	46.00	-14.01	174	100	peak
4	875.2468	15.18	16.70	31.88	46.00	-14.12	218	100	peak

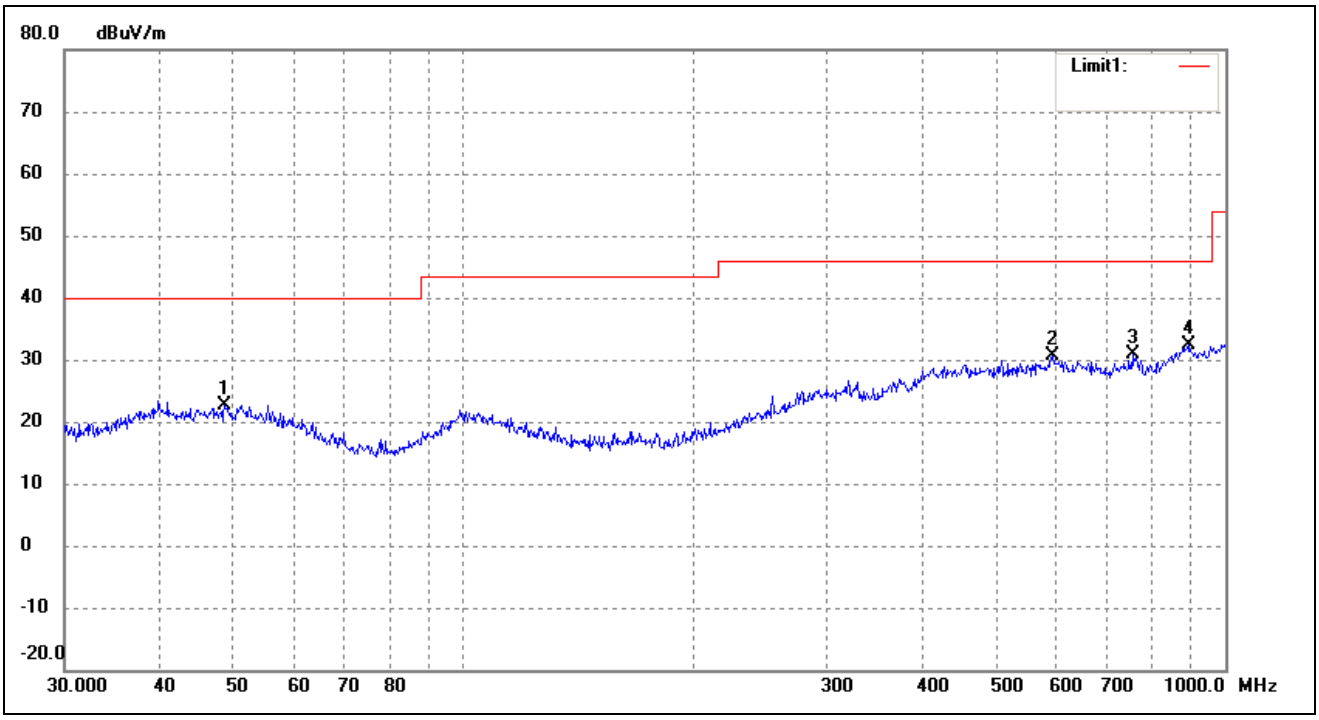
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	60.0690	18.15	5.36	23.51	40.00	-16.49	54	100	peak
2	321.0606	17.67	9.26	26.93	46.00	-19.07	165	100	peak
3	558.7300	20.75	11.52	32.27	46.00	-13.73	194	100	peak
4	922.5157	16.89	16.44	33.33	46.00	-12.67	237	100	peak

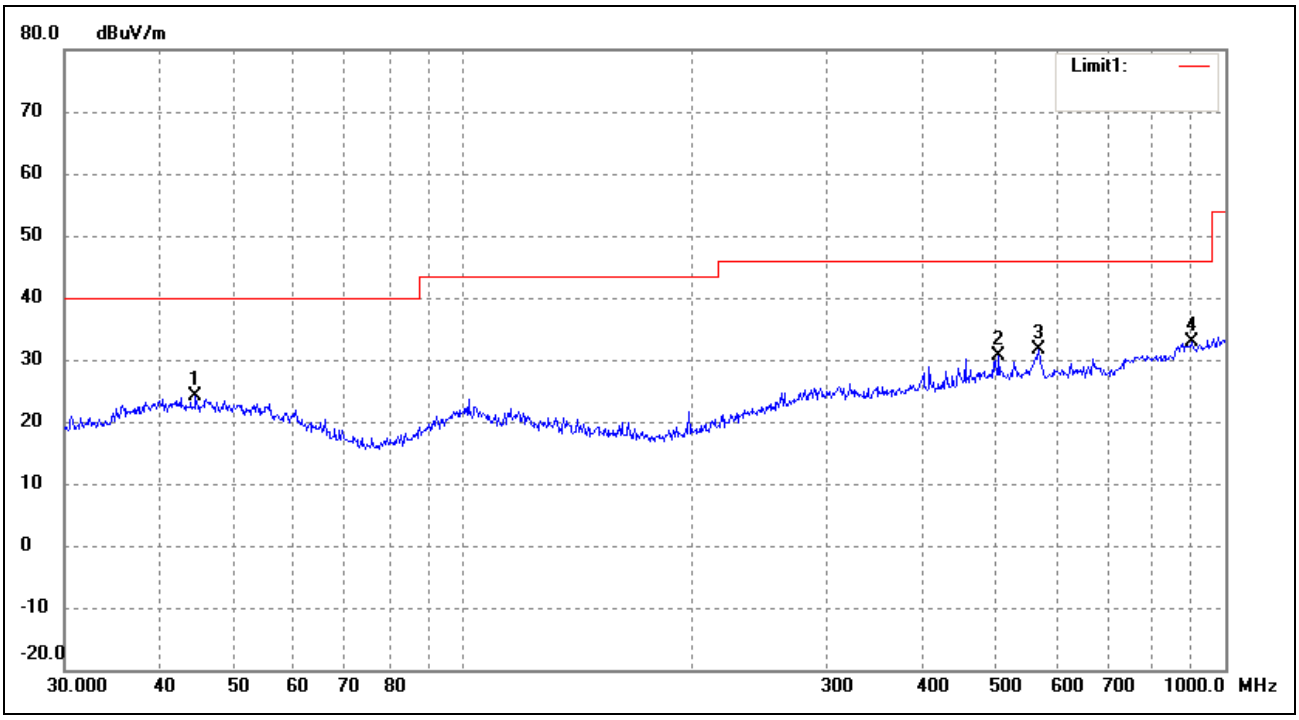
Test mode: Transmitting Channel 5580MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	48.6719	16.24	6.39	22.63	40.00	-17.37	36	100	peak
2	593.0497	17.45	13.06	30.51	46.00	-15.49	121	100	peak
3	755.3872	16.46	14.40	30.86	46.00	-15.14	167	100	peak
4	893.8567	15.46	16.85	32.31	46.00	-13.69	195	100	peak

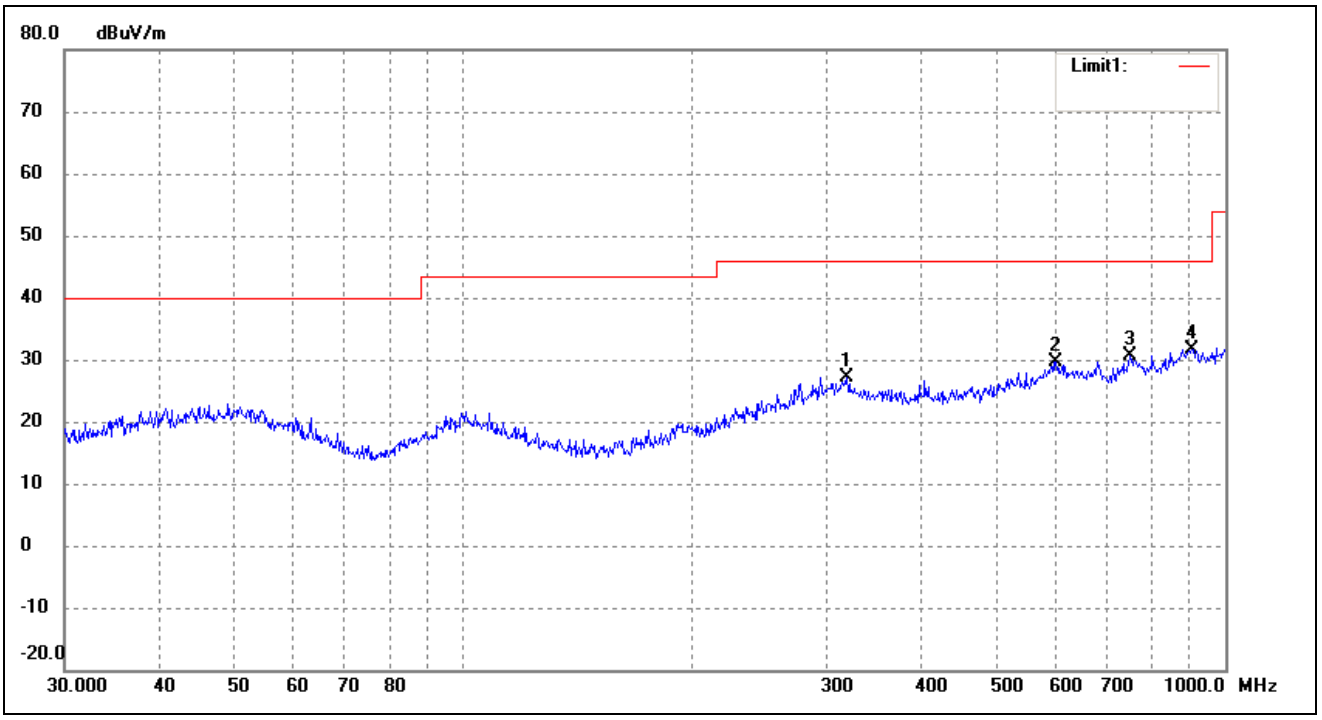
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	44.5867	16.15	7.88	24.03	40.00	-15.97	44	100	peak
2	504.7062	19.72	10.98	30.70	46.00	-15.30	135	100	peak
3	568.6127	19.54	11.98	31.52	46.00	-14.48	197	100	peak
4	903.3093	15.99	16.79	32.78	46.00	-13.22	251	100	peak

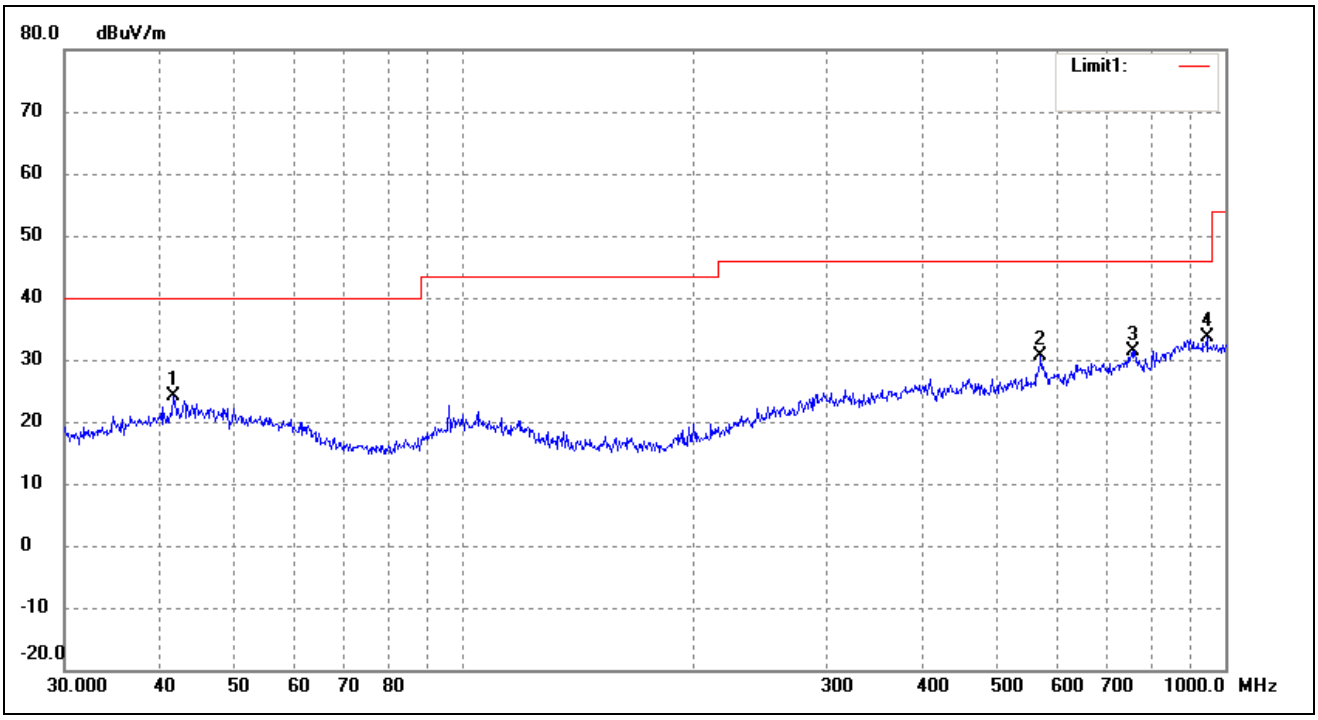
Test mode: Transmitting Channel 5745MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	318.8170	17.91	9.28	27.19	46.00	-18.81	85	100	peak
2	599.3212	16.34	13.30	29.64	46.00	-16.36	147	100	peak
3	750.1082	16.64	14.10	30.74	46.00	-15.26	203	100	peak
4	903.3093	14.92	16.79	31.71	46.00	-14.29	269	100	peak

Test Specification: *Vertical*

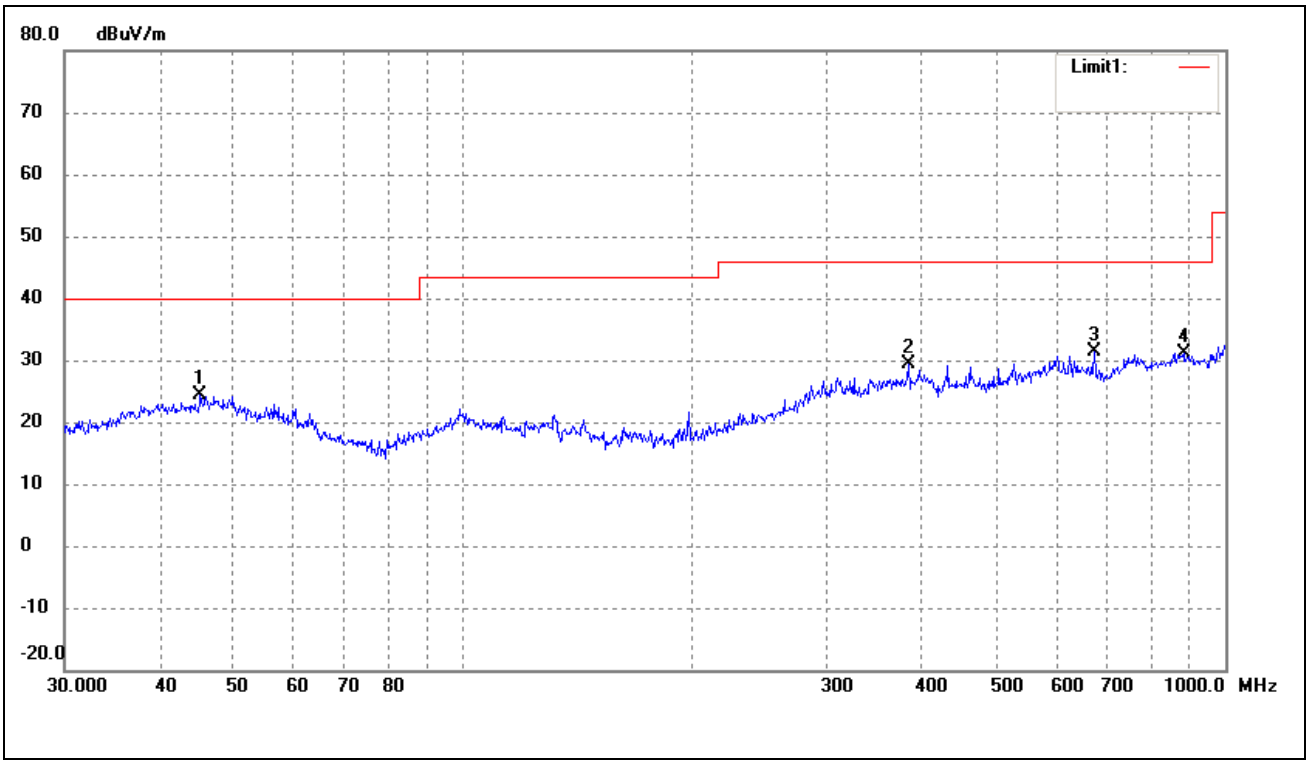


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	41.7130	15.31	8.74	24.05	40.00	-15.95	26	100	peak
2	572.6144	18.56	12.19	30.75	46.00	-15.25	164	100	peak
3	755.3872	16.60	14.86	31.46	46.00	-14.54	215	100	peak
4	945.4397	17.32	16.25	33.57	46.00	-12.43	283	100	peak

For 802.11n-HT40

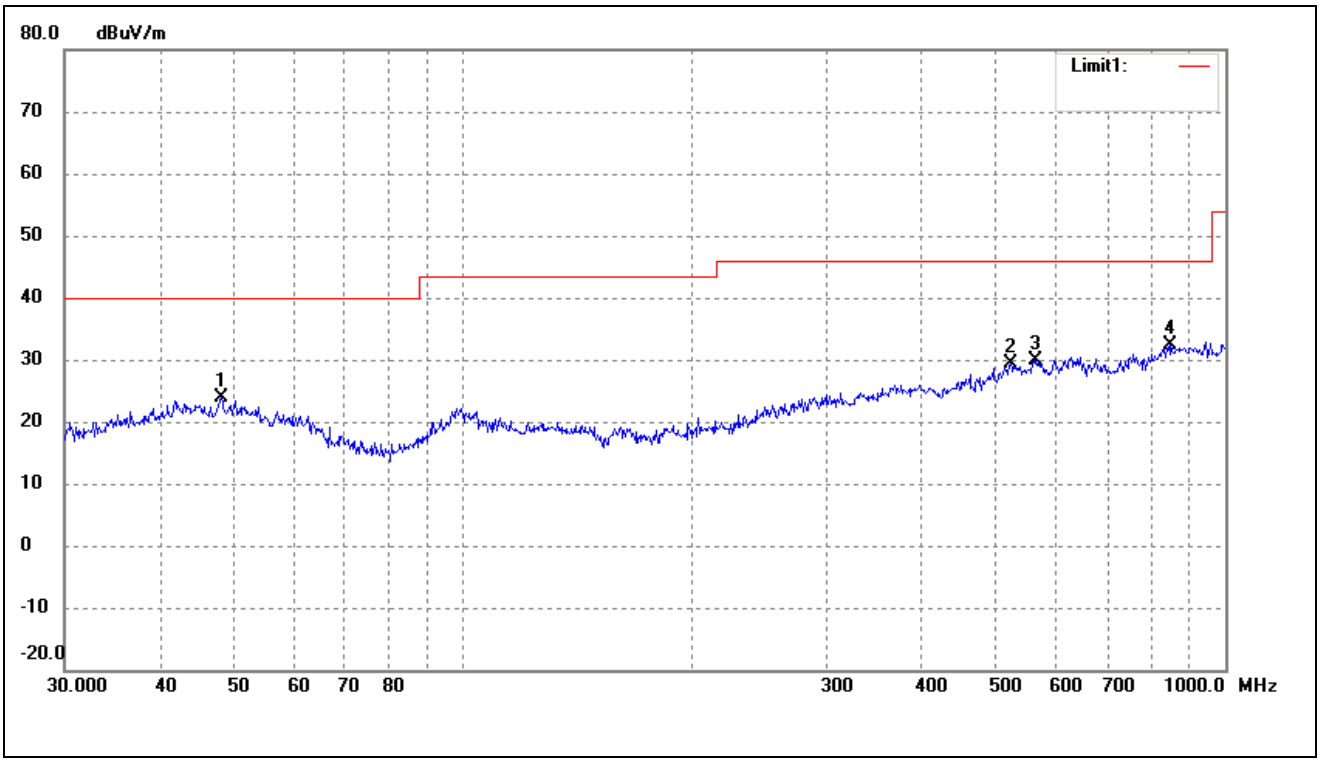
Test mode: Transmitting Channel 5190MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	45.2165	17.53	6.74	24.27	40.00	-15.73	54	100	peak
2	383.9318	20.07	9.38	29.45	46.00	-16.55	125	100	peak
3	672.8445	19.24	12.22	31.46	46.00	-14.54	167	100	peak
4	881.4067	14.27	16.82	31.09	46.00	-14.91	241	100	peak

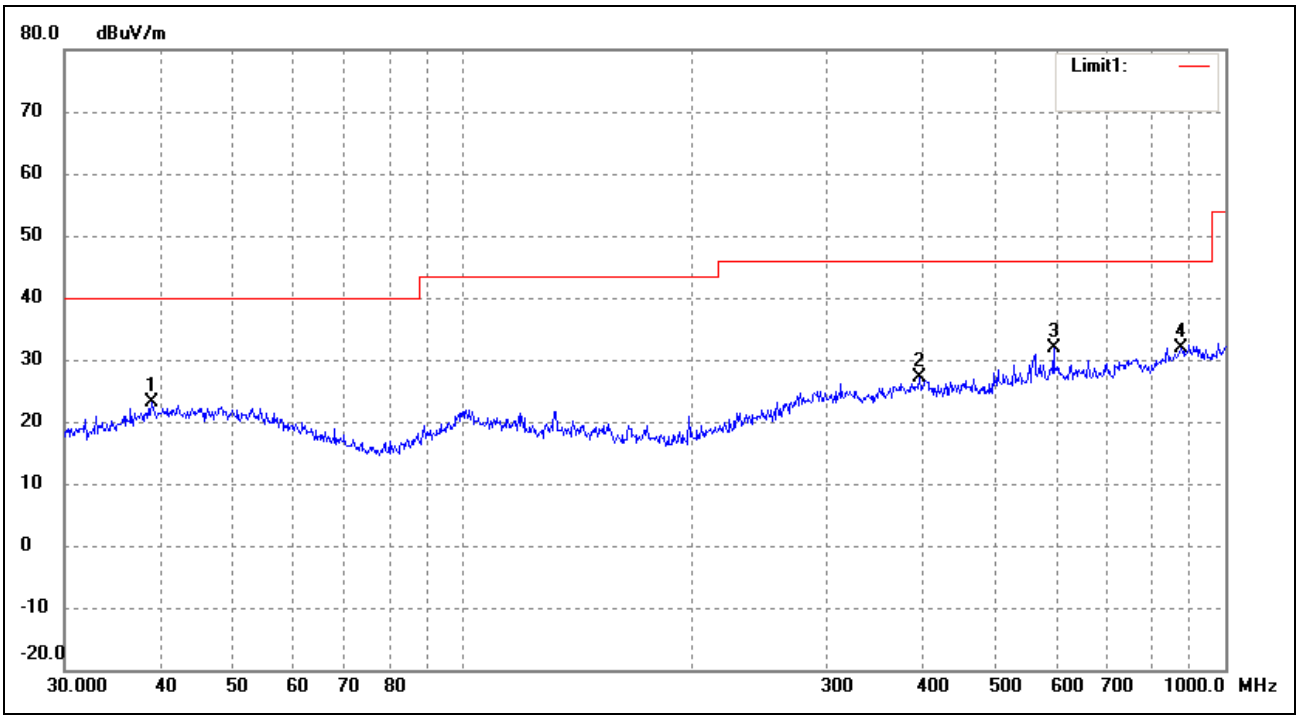
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	48.1625	16.97	6.81	23.78	40.00	-16.22	37	100	peak
2	522.7178	18.12	11.37	29.49	46.00	-16.51	204	100	peak
3	564.6389	18.12	11.77	29.89	46.00	-16.11	232	100	peak
4	848.0561	16.42	15.86	32.28	46.00	-13.72	268	100	peak

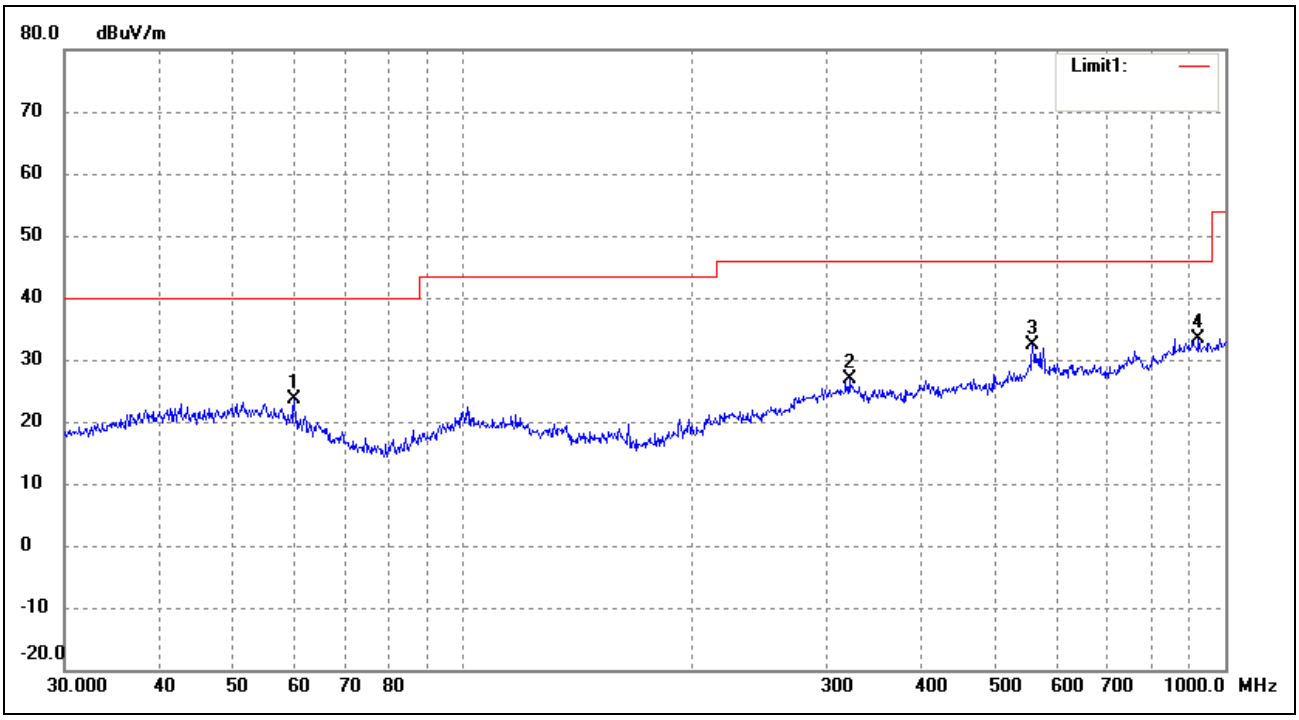
Test mode: Transmitting Channel 5270MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	39.0245	14.03	9.08	23.11	40.00	-16.89	29	100	peak
2	396.2413	17.29	9.95	27.24	46.00	-18.76	135	100	peak
3	595.1326	18.85	13.14	31.99	46.00	-14.01	174	100	peak
4	875.2468	15.18	16.70	31.88	46.00	-14.12	218	100	peak

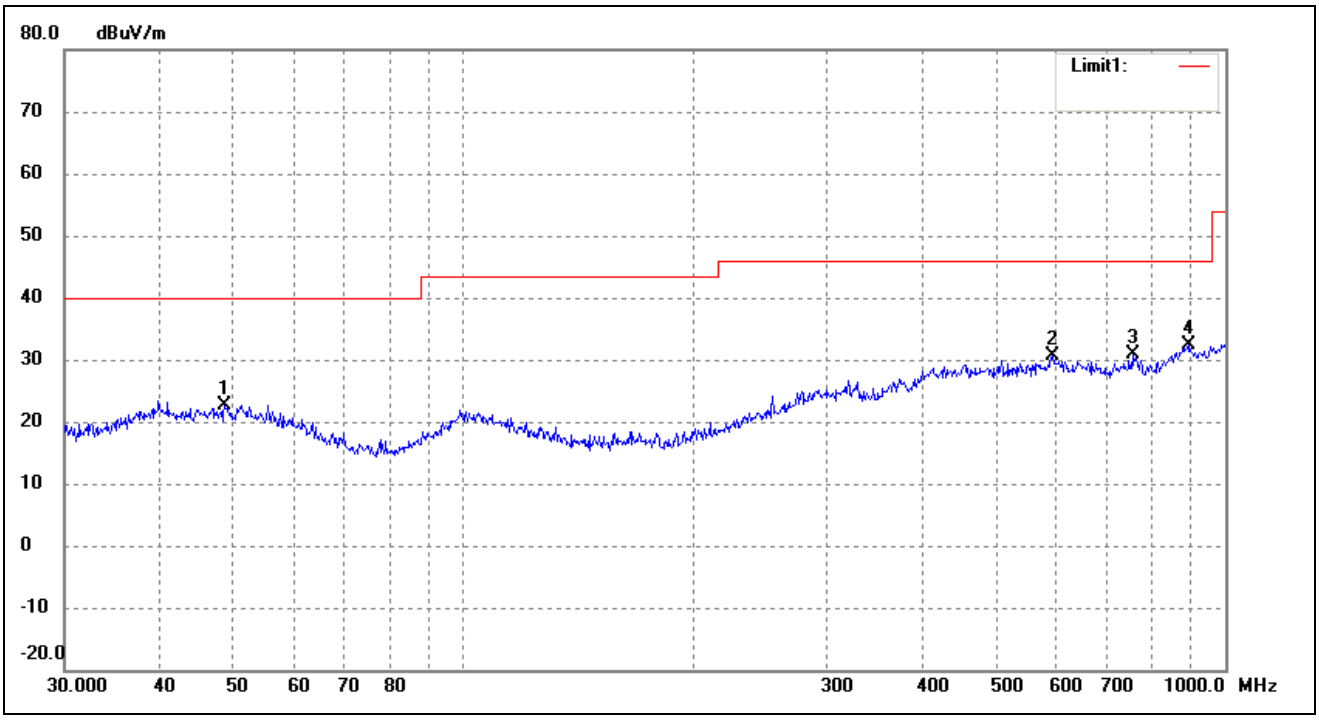
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	60.0690	18.15	5.36	23.51	40.00	-16.49	54	100	peak
2	321.0606	17.67	9.26	26.93	46.00	-19.07	165	100	peak
3	558.7300	20.75	11.52	32.27	46.00	-13.73	194	100	peak
4	922.5157	16.89	16.44	33.33	46.00	-12.67	237	100	peak

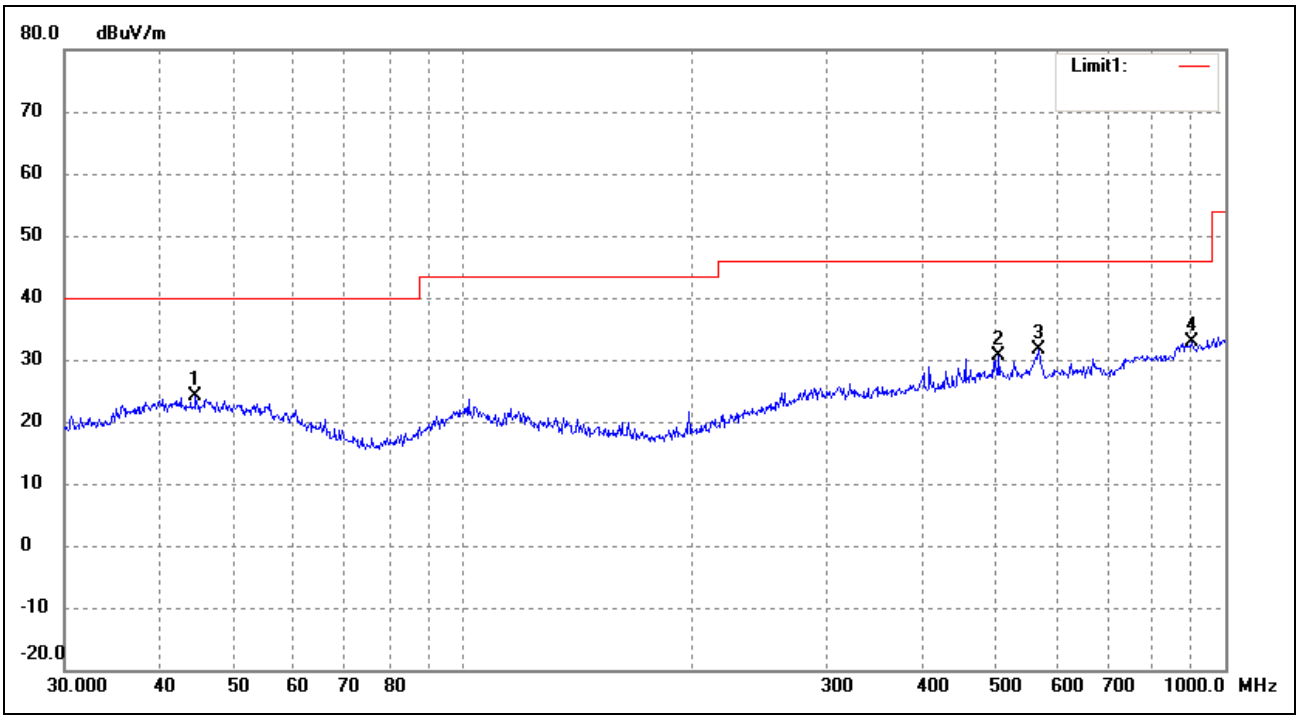
Test mode: Transmitting Channel 5550MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	48.6719	16.24	6.39	22.63	40.00	-17.37	36	100	peak
2	593.0497	17.45	13.06	30.51	46.00	-15.49	121	100	peak
3	755.3872	16.46	14.40	30.86	46.00	-15.14	167	100	peak
4	893.8567	15.46	16.85	32.31	46.00	-13.69	195	100	peak

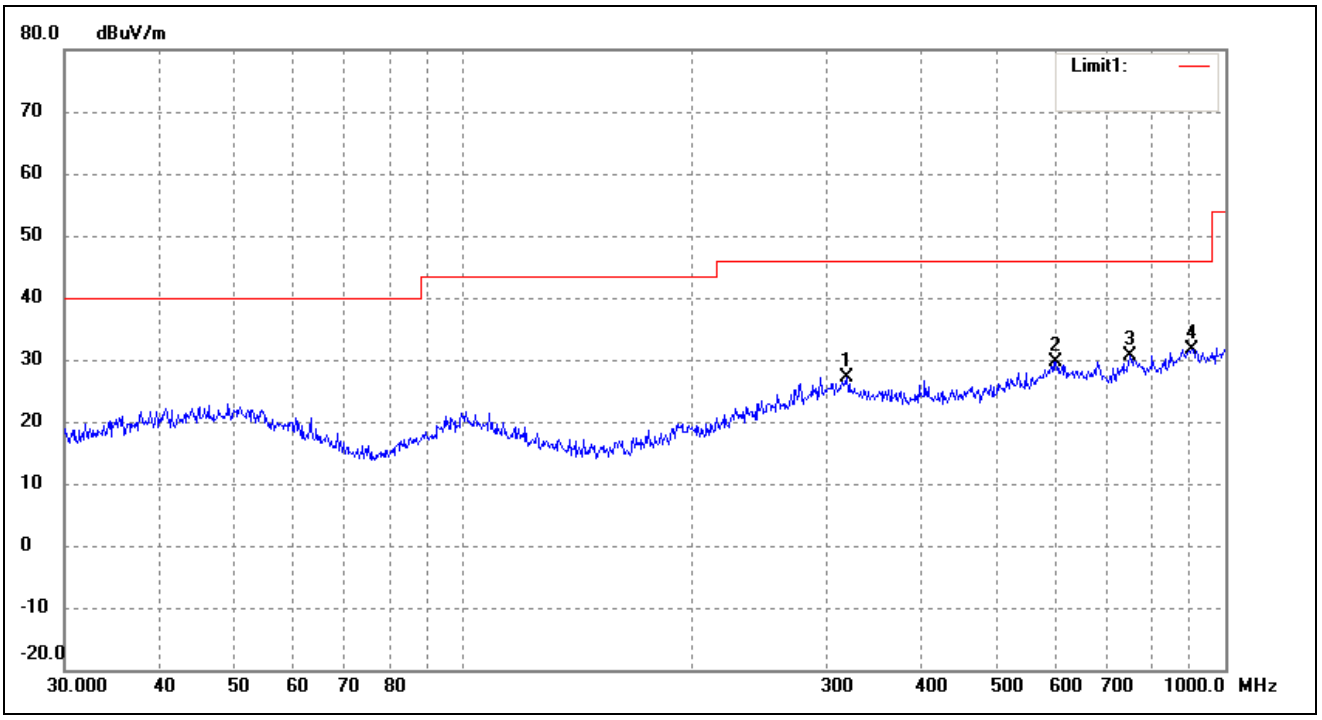
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	44.5867	16.15	7.88	24.03	40.00	-15.97	44	100	peak
2	504.7062	19.72	10.98	30.70	46.00	-15.30	135	100	peak
3	568.6127	19.54	11.98	31.52	46.00	-14.48	197	100	peak
4	903.3093	15.99	16.79	32.78	46.00	-13.22	251	100	peak

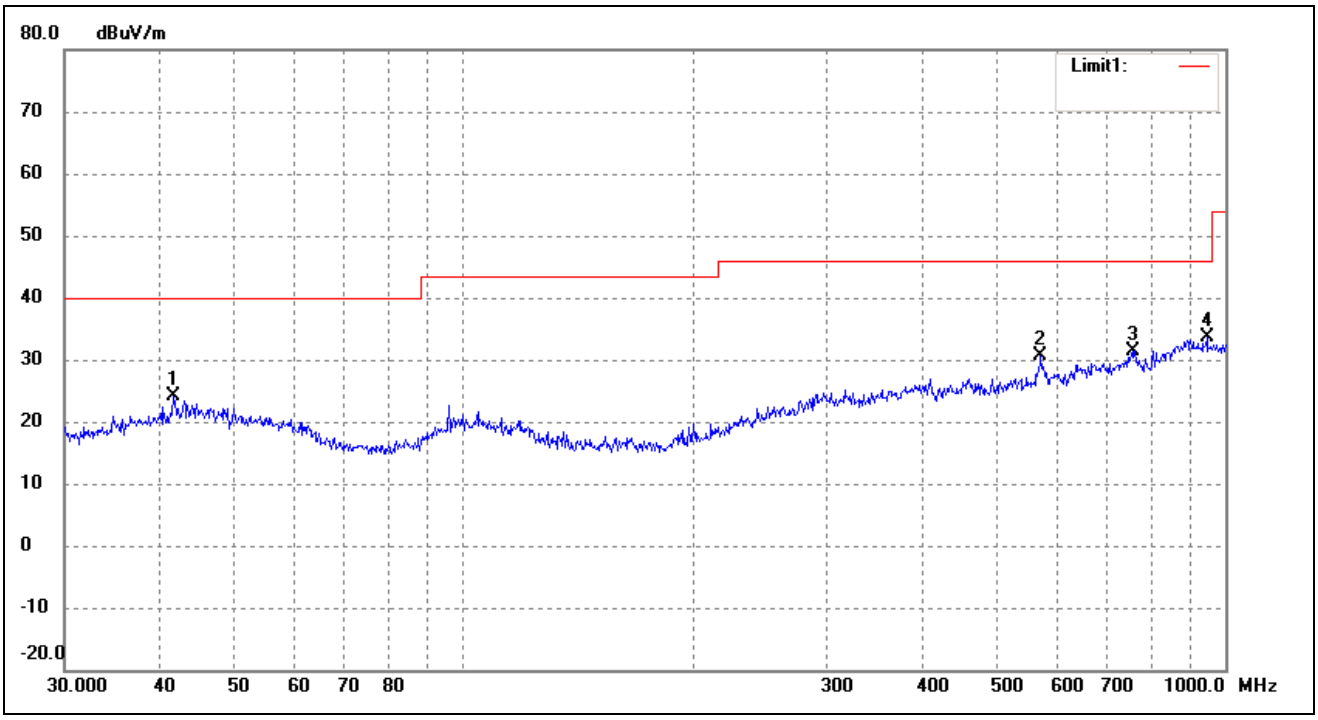
Test mode: Transmitting Channel 5755MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	318.8170	17.91	9.28	27.19	46.00	-18.81	85	100	peak
2	599.3212	16.34	13.30	29.64	46.00	-16.36	147	100	peak
3	750.1082	16.64	14.10	30.74	46.00	-15.26	203	100	peak
4	903.3093	14.92	16.79	31.71	46.00	-14.29	269	100	peak

Test Specification: *Vertical*



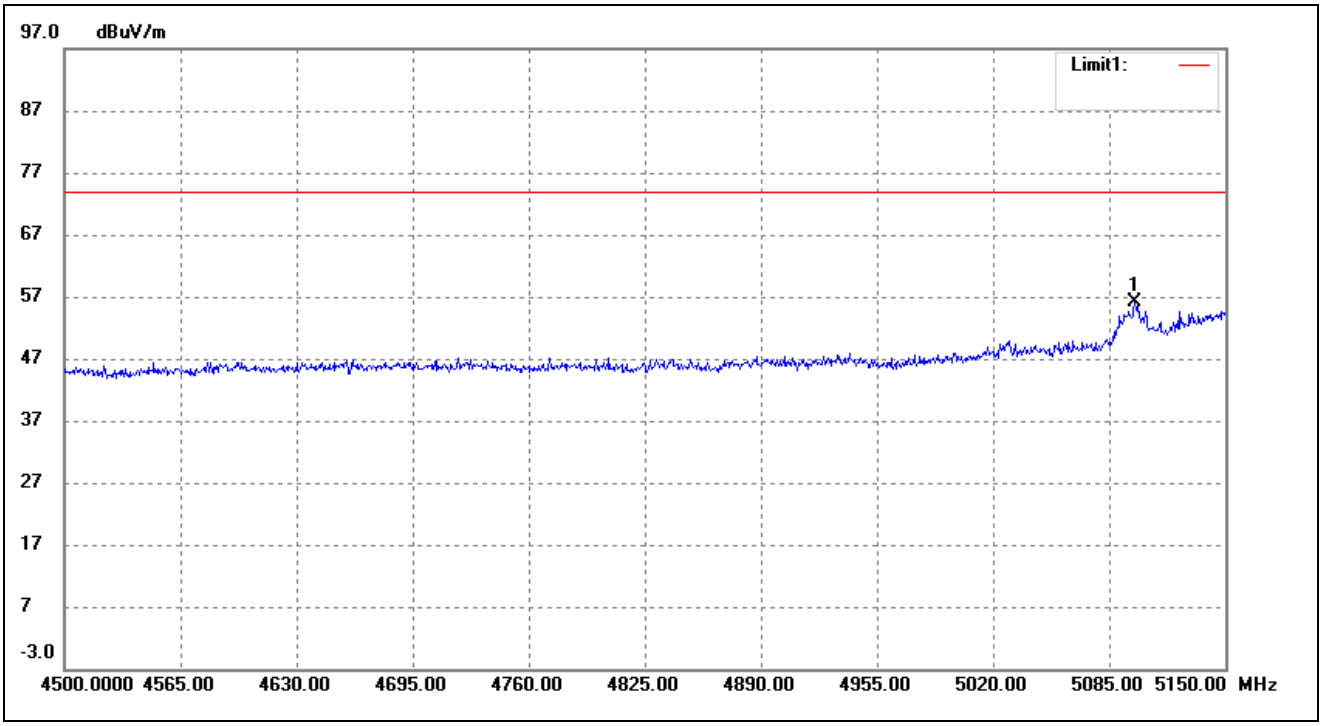
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	41.7130	15.31	8.74	24.05	40.00	-15.95	26	100	peak
2	572.6144	18.56	12.19	30.75	46.00	-15.25	164	100	peak
3	755.3872	16.60	14.86	31.46	46.00	-14.54	215	100	peak
4	945.4397	17.32	16.25	33.57	46.00	-12.43	283	100	peak

802.11a

Spurious Emission above 1GHz

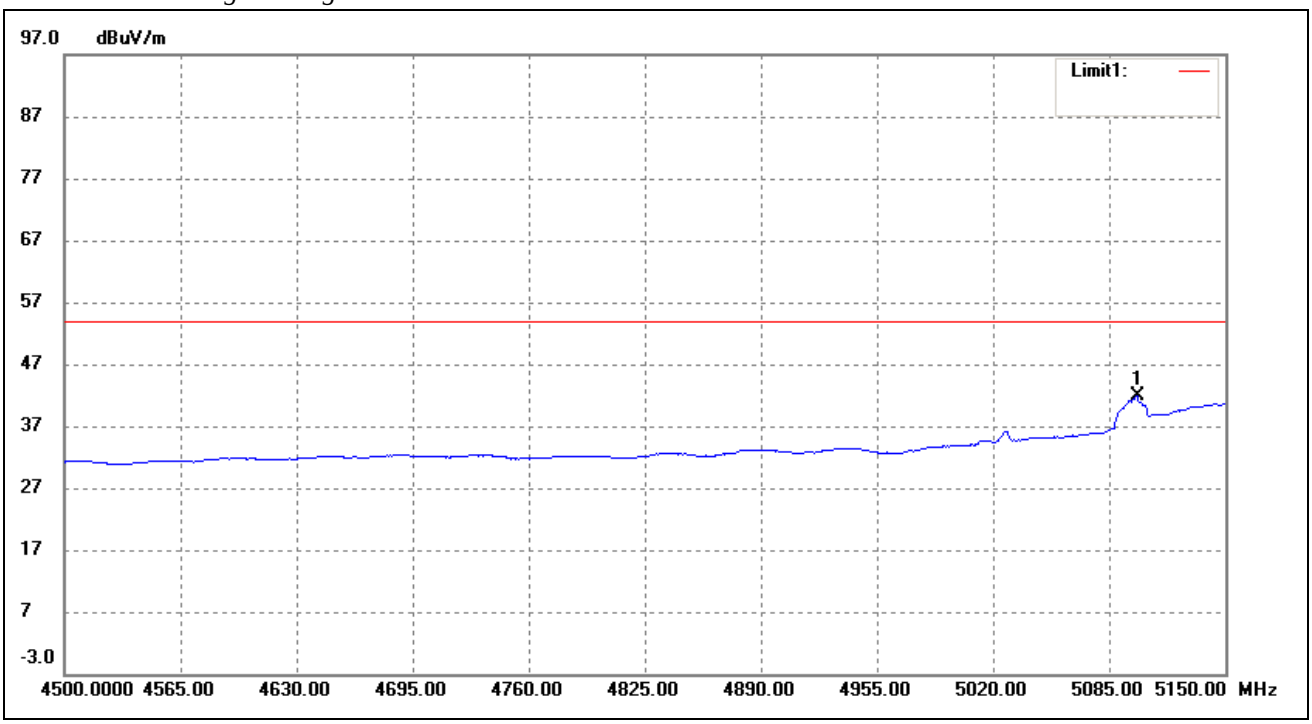
For the frequency band 5.15-5.25GHz(802.11a)

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5099.300	56.47	-0.25	56.22	74.00	-17.78	360	100	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5100.600	42.14	-0.25	41.89	54.00	-12.11	360	100	Ave

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5180MHz)										
15540	PK	45.0	55	V	40.7	10.9	39.6	57.0	74	-17.0
15540	PK	46.1	55	H	40.7	10.9	39.6	58.1	74	-15.9
15540	AV	30.3	55	V	40.7	10.9	39.6	42.3	54	-11.7
15540	AV	30.4	55	H	40.7	10.9	39.6	42.4	54	-11.6
High Channel (5240MHz)										
15720	PK	46.3	55	V	40.7	10.9	39.6	58.3	74	-15.7
15720	PK	45.6	55	H	40.7	10.9	39.6	57.6	74	-16.4
15720	AV	31.2	55	V	40.7	10.9	39.6	43.2	54	-10.8
15720	AV	30.3	55	H	40.7	10.9	39.6	42.3	54	-11.7

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-49.65	-27
Highest	Above 5350	-48.52	-27
Note: the data just list the worst cases			

For the frequency band 5.250-5.350GHz (802.11a)

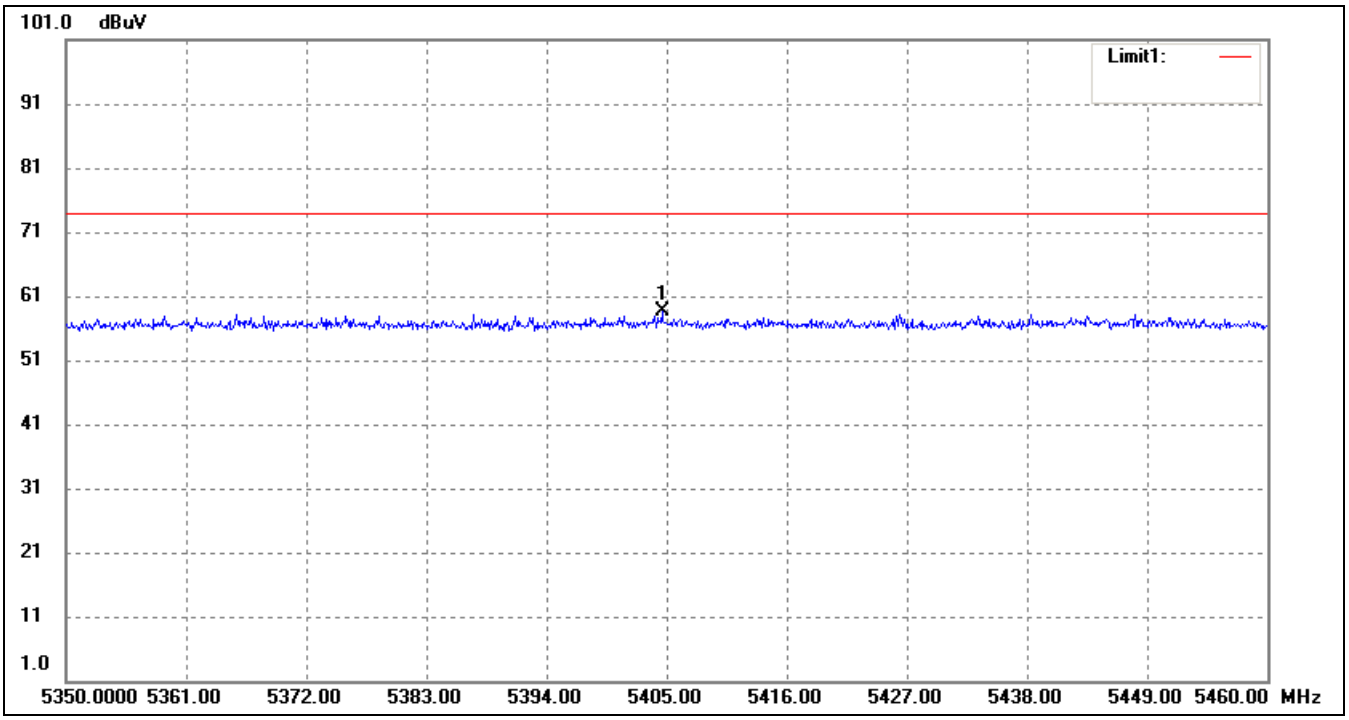
Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5260MHz)										
10520	PK	60.28	360	V	38.3	7.24	40.1	65.72	74	-8.28
10520	PK	60.87	360	H	38.3	7.24	40.1	66.31	74	-7.69
10520	AV	45.32	360	V	38.3	7.24	40.1	50.76	54	-3.24
10520	AV	39.3	360	H	38.3	7.24	40.1	44.74	54	-9.26
High Channel (5320MHz)										
10640	PK	58.36	360	V	38.3	7.24	40.1	63.8	74	-10.2
10640	PK	63.23	360	H	38.3	7.24	40.1	68.67	74	-5.33
10640	AV	40.57	360	V	38.3	7.24	40.1	46.01	54	-7.99
10640	AV	39.72	360	H	38.3	7.24	40.1	45.16	54	-8.84

Out of Band edge

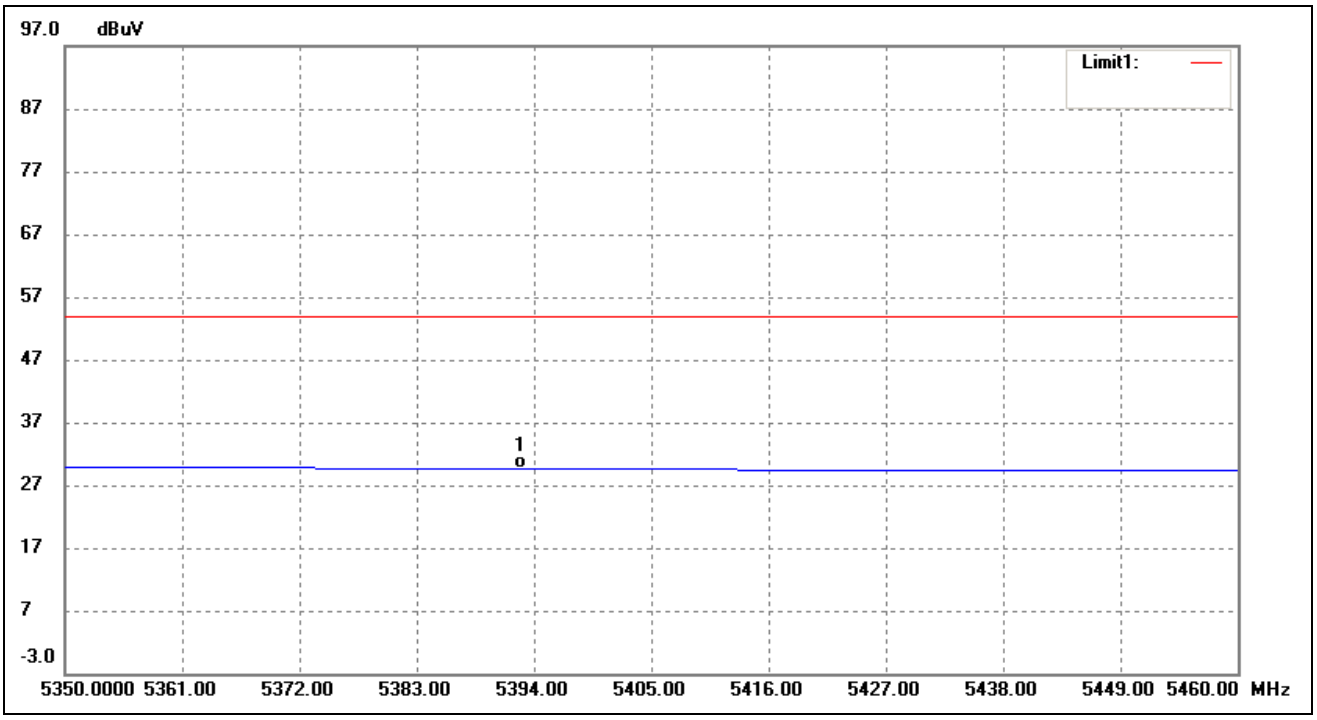
Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-38.29	-27
Highest	Above 5350	-43.16	-27
Note: the data just list the worst cases			

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5404.610	47.24	11.35	58.59	74.00	-15.41	180	150	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5392.853	18.36	11.34	29.70	54.00	-24.30	180	150	AVG

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

For the frequency band 5.470-5.725GHz (802.11a)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5500MHz)										
11000	PK	63.84	360	V	38.5	8.35	40.1	70.59	74	-3.41
11000	PK	58.53	360	H	38.5	8.35	40.1	65.28	74	-8.72
11000	AV	39.01	360	V	38.5	8.35	40.1	45.76	54	-8.24
11000	AV	40.87	360	H	38.5	8.35	40.1	47.62	54	-6.38
High Channel (5700MHz)										
11400	PK	59.82	360	V	38.9	8.4	40.1	67.02	74	-6.98
11400	PK	58.31	360	H	38.9	8.4	40.1	65.51	74	-8.49
11400	AV	41.38	360	V	38.9	8.4	40.1	48.58	54	-5.42
11400	AV	38.41	360	H	38.9	8.4	40.1	45.61	54	-8.39

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5470	-42.37	-27
Highest	Above 5725	-48.19	-27
Note: the data just list the worst cases			

For the frequency band 5.725-5.850GHz (802.11a)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5725MHz)										
11450	PK	60.84	360	V	38.9	9.8	40.1	69.44	74	-4.56
11450	PK	57.93	360	H	38.9	9.8	40.1	66.53	74	-7.47
11450	AV	36.34	360	V	38.9	9.8	40.1	44.94	54	-9.06
11450	AV	39.94	360	H	38.9	9.8	40.1	48.54	54	-5.46
High Channel (5825MHz)										
11610	PK	60.10	360	V	38.9	9.8	40.1	68.7	74	-5.3
11610	PK	59.72	360	H	38.9	9.8	40.1	68.32	74	-5.68
11610	AV	36.44	360	V	38.9	9.8	40.1	45.04	54	-8.96
11610	AV	39.48	360	H	38.9	9.8	40.1	48.08	54	-5.92

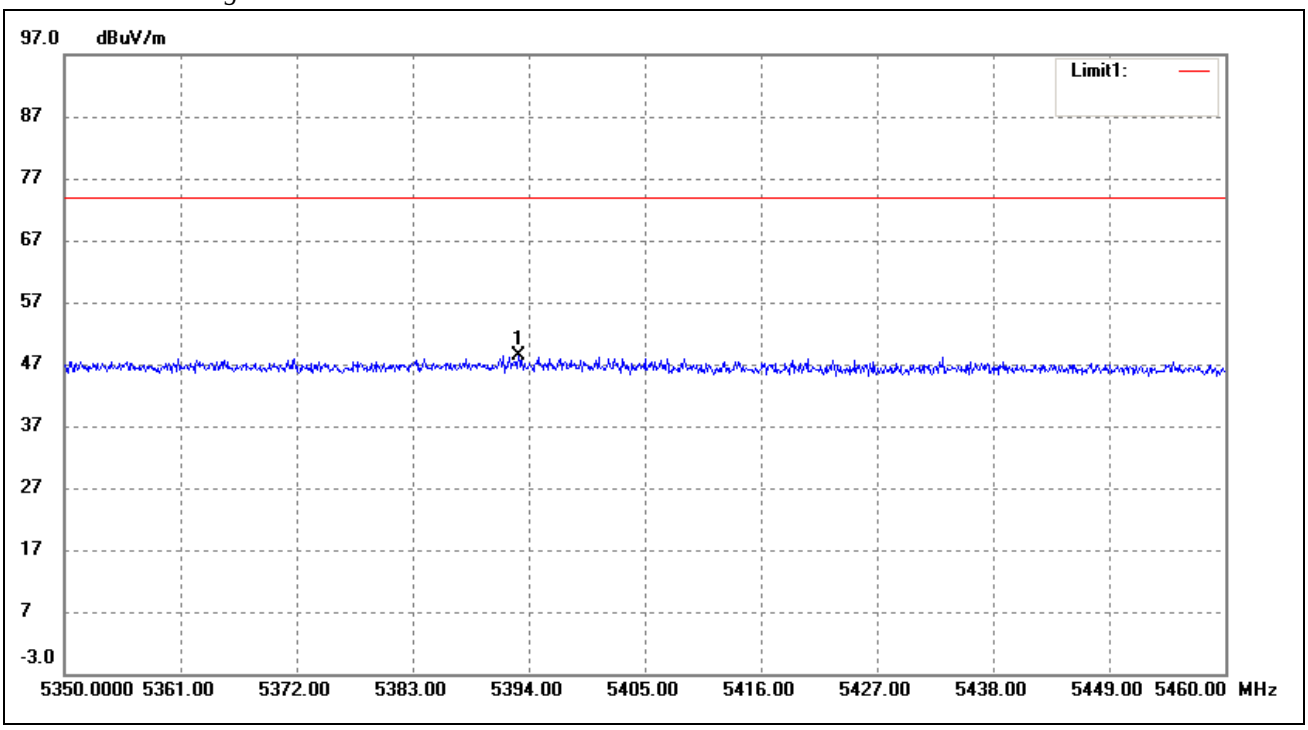
Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5715	-49.82	-27
	5715 to 5725	-45.63	-17
Highest	5850 to 5860	-46.85	-17
	Above 5860	-47.73	-27
Note: the data just list the worst cases			

802.11n20

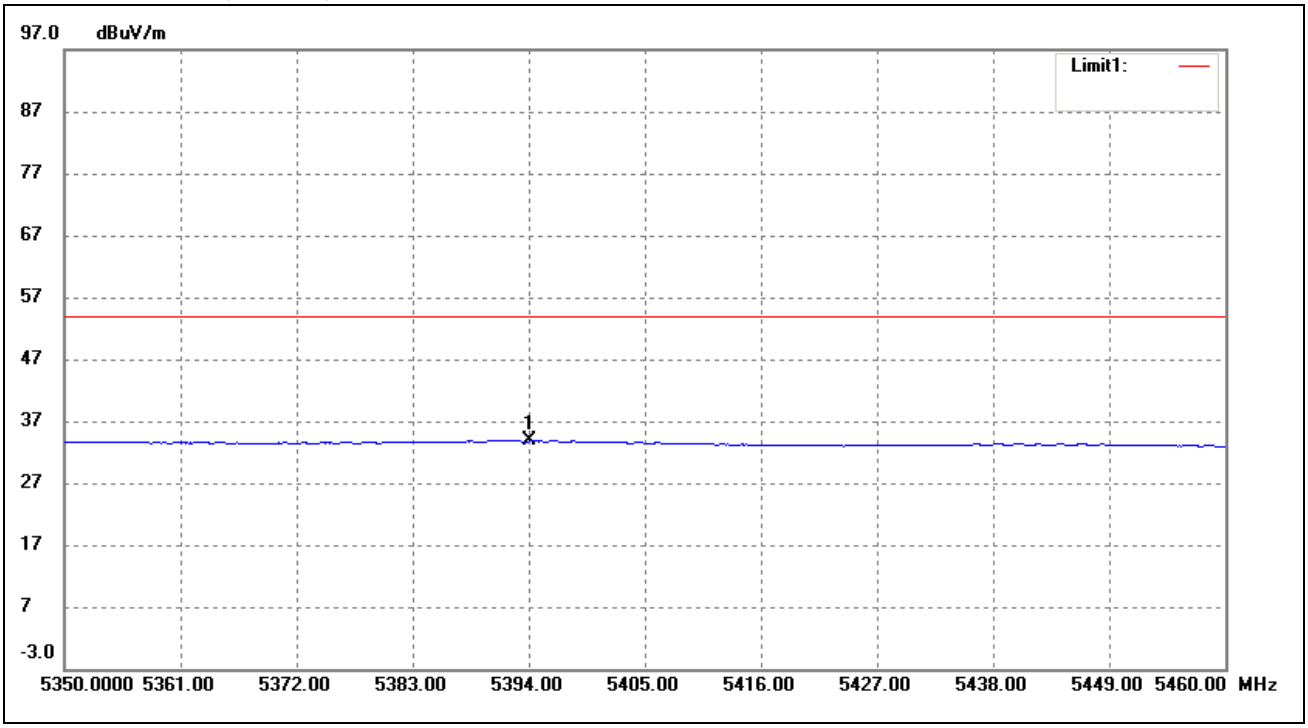
For the frequency band 5.15-5.25GHz(802.11n HT20)

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5393.010	53.45	-5.06	48.39	74.00	-25.61	55	100	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5394.110	38.90	-5.06	33.84	54.00	-20.16	55	100	Ave

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5180MHz)										
10360	PK	44.4	360	V	40.7	10.9	39.6	56.4	74	-17.6
10360	PK	43.8	360	H	40.7	10.9	39.6	55.8	74	-18.2
10360	AV	29.8	360	V	40.7	10.9	39.6	41.8	54	-12.2
10360	AV	28.9	360	H	40.7	10.9	39.6	40.9	54	-13.1
High Channel (5240MHz)										
10480	PK	43.9	360	V	40.7	10.9	39.6	55.9	74	-18.1
10480	PK	43.3	360	H	40.7	10.9	39.6	55.3	74	-18.7
10480	AV	29.7	360	V	40.7	10.9	39.6	41.7	54	-12.3
10480	AV	28.2	360	H	40.7	10.9	39.6	40.2	54	-13.8

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-46.47	-27
Highest	Above 5350	-48.21	-27
Note: the data just list the worst cases			

For the frequency band 5.250-5.350GHz (802.11n HT20)

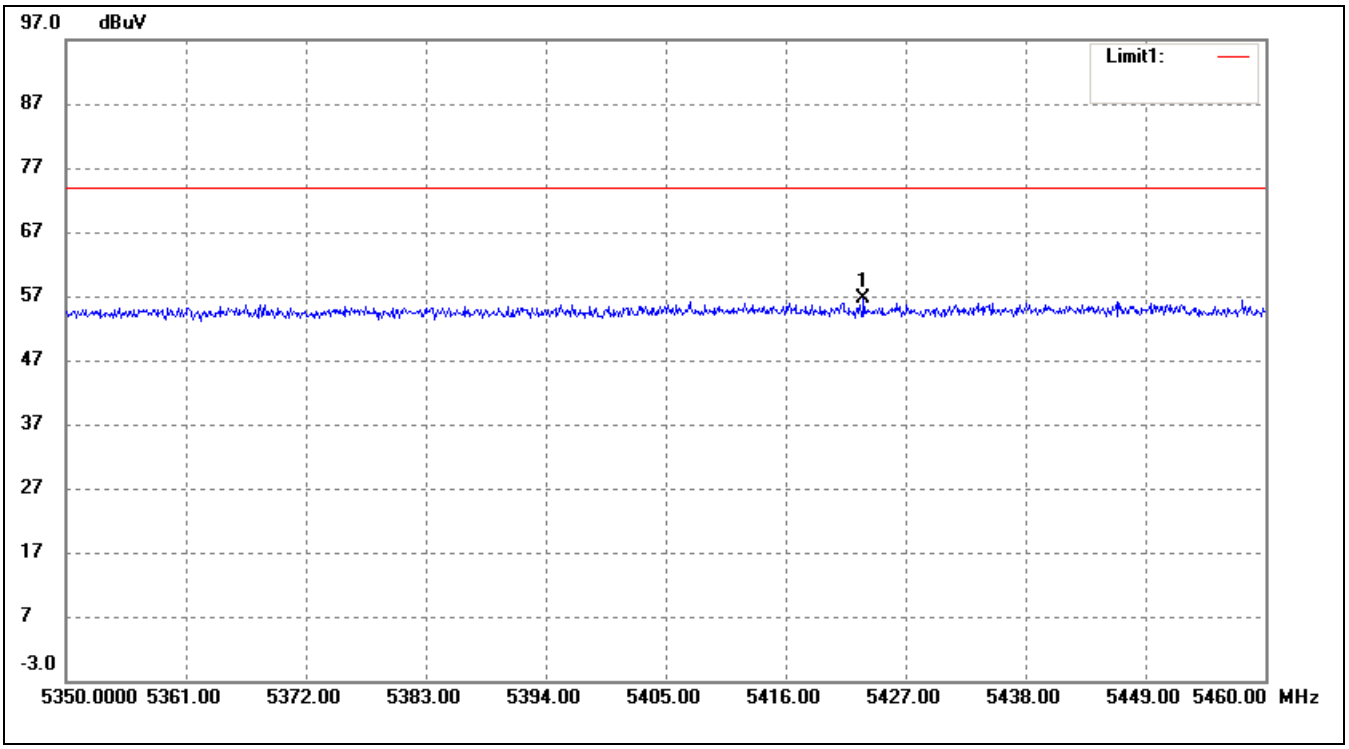
Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5260MHz)										
10520	PK	63.39	360	V	38.3	7.24	40.1	68.83	74	-5.17
10520	PK	62.06	360	H	38.3	7.24	40.1	67.5	74	-6.5
10520	AV	38.12	360	V	38.3	7.24	40.1	43.56	54	-10.44
10520	AV	40.12	360	H	38.3	7.24	40.1	45.56	54	-8.44
High Channel (5320MHz)										
10640	PK	62.04	360	V	38.3	7.24	40.1	67.48	74	-6.52
10640	PK	62.17	360	H	38.3	7.24	40.1	67.61	74	-6.39
10640	AV	37.86	360	V	38.3	7.24	40.1	43.3	54	-10.7
10640	AV	39.4	360	H	38.3	7.24	40.1	44.84	54	-9.16

Out of Band edge

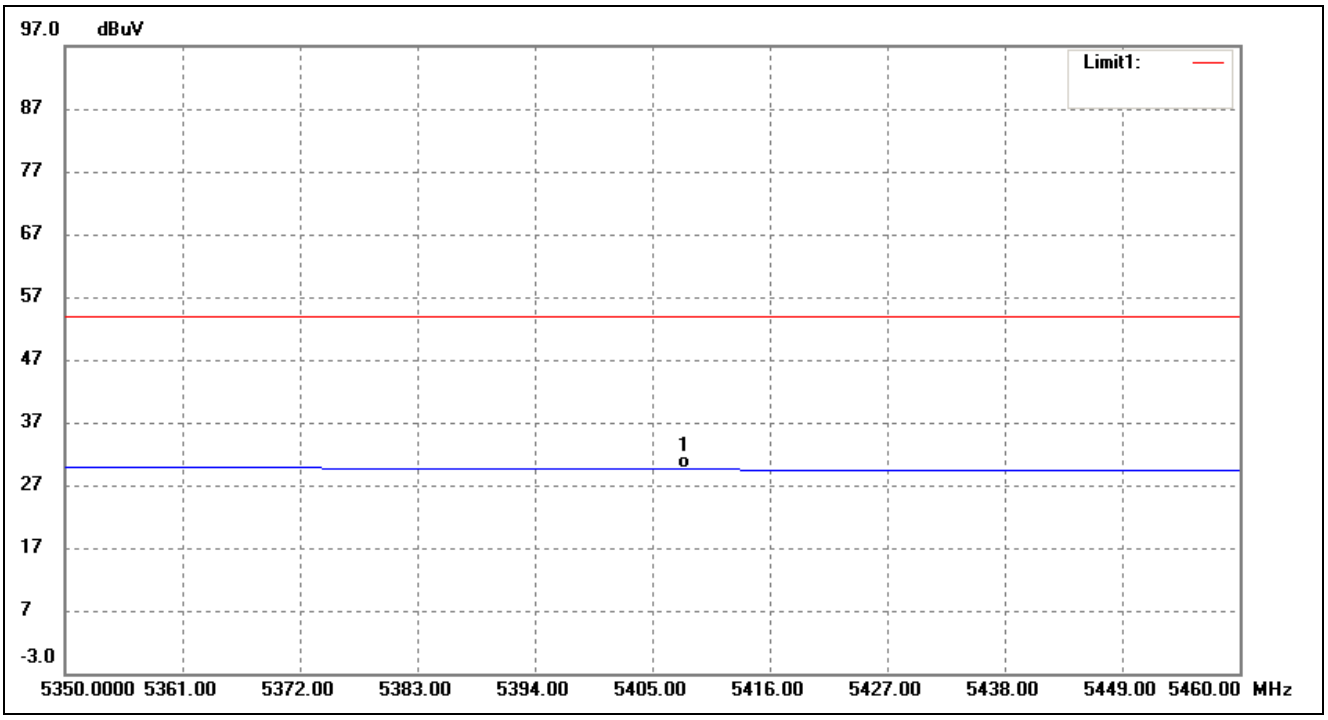
Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-42.09	-27
Highest	Above 5350	-45.58	-27
Note: the data just list the worst cases			

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5423.231	45.24	11.37	56.61	74.00	-17.39	185	150	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5408.021	18.29	11.35	29.64	54.00	-24.36	356	150	AVG

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

For the frequency band 5.470-5.725GHz (802.11n HT20)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5500MHz)										
11000	PK	62.98	360	V	38.5	8.35	40.1	69.73	74	-4.27
11000	PK	60.95	360	H	38.5	8.35	40.1	67.7	74	-6.30
11000	AV	40.20	360	V	38.5	8.35	40.1	46.95	54	-7.05
11000	AV	36.67	360	H	38.5	8.35	40.1	43.42	54	-10.58
High Channel (5700MHz)										
11400	PK	58.70	360	V	38.9	8.4	40.1	65.9	74	-8.10
11400	PK	61.07	360	H	38.9	8.4	40.1	68.27	74	-5.73
11400	AV	37.68	360	V	38.9	8.4	40.1	44.88	54	-9.12
11400	AV	39.38	360	H	38.9	8.4	40.1	46.58	54	-7.42

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5470	-38.95	-27
Highest	Above 5725	-42.37	-27
Note: the data just list the worst cases			

For the frequency band 5.725-5.850GHz(802.11n HT20)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5745MHz)										
11490	PK	59.58	360	V	38.9	9.8	40.1	68.18	74	-5.82
11490	PK	58.37	360	H	38.9	9.8	40.1	66.97	74	-7.03
11490	AV	38.95	360	V	38.9	9.8	40.1	47.55	54	-6.45
11490	AV	38.11	360	H	38.9	9.8	40.1	46.71	54	-7.29
High Channel (5825MHz)										
11610	PK	56.03	360	V	38.9	9.8	40.1	64.63	74	-9.37
11610	PK	56.09	360	H	38.9	9.8	40.1	64.69	74	-9.31
11610	AV	36.36	360	V	38.9	9.8	40.1	44.96	54	-9.04
11610	AV	41.28	360	H	38.9	9.8	40.1	49.88	54	-4.12

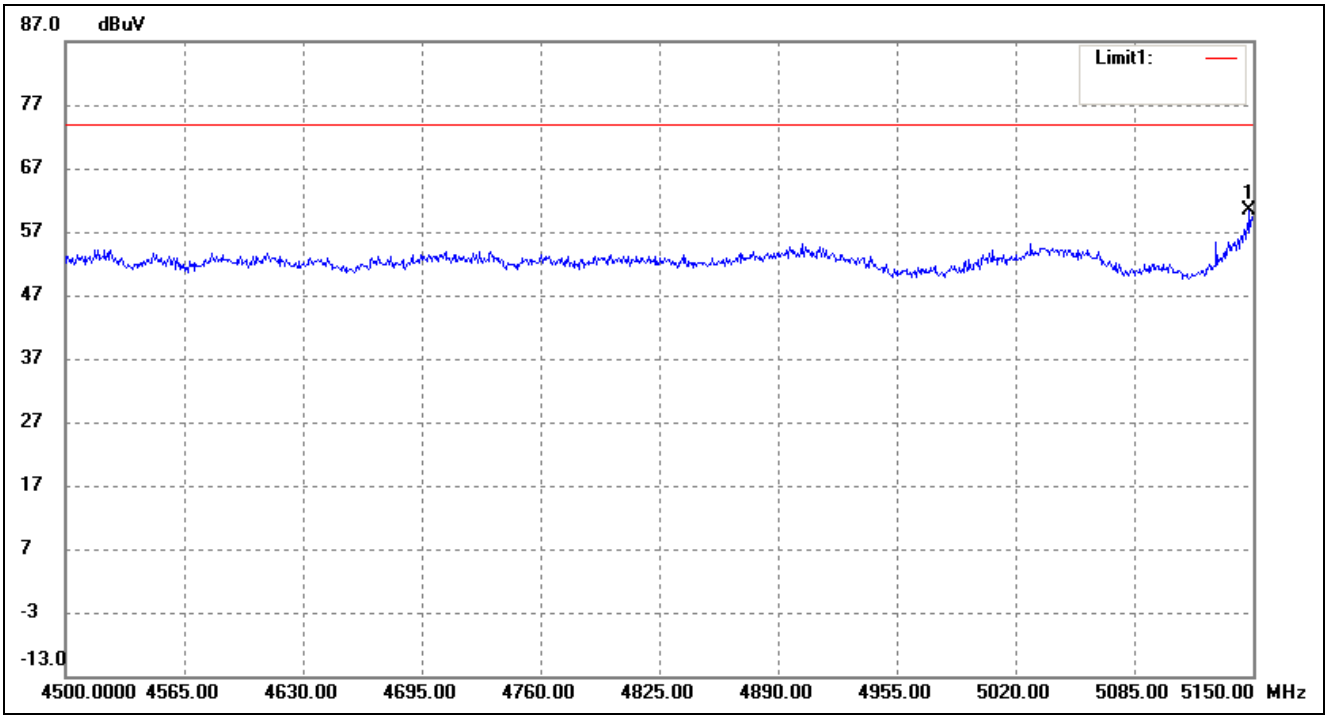
Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5715	-42.37	-27
	5715 to 5725	-45.69	-17
Highest	5850 to 5860	-48.12	-17
	Above 5860	-45.27	-27
Note: the data just list the worst cases			

802.11n40

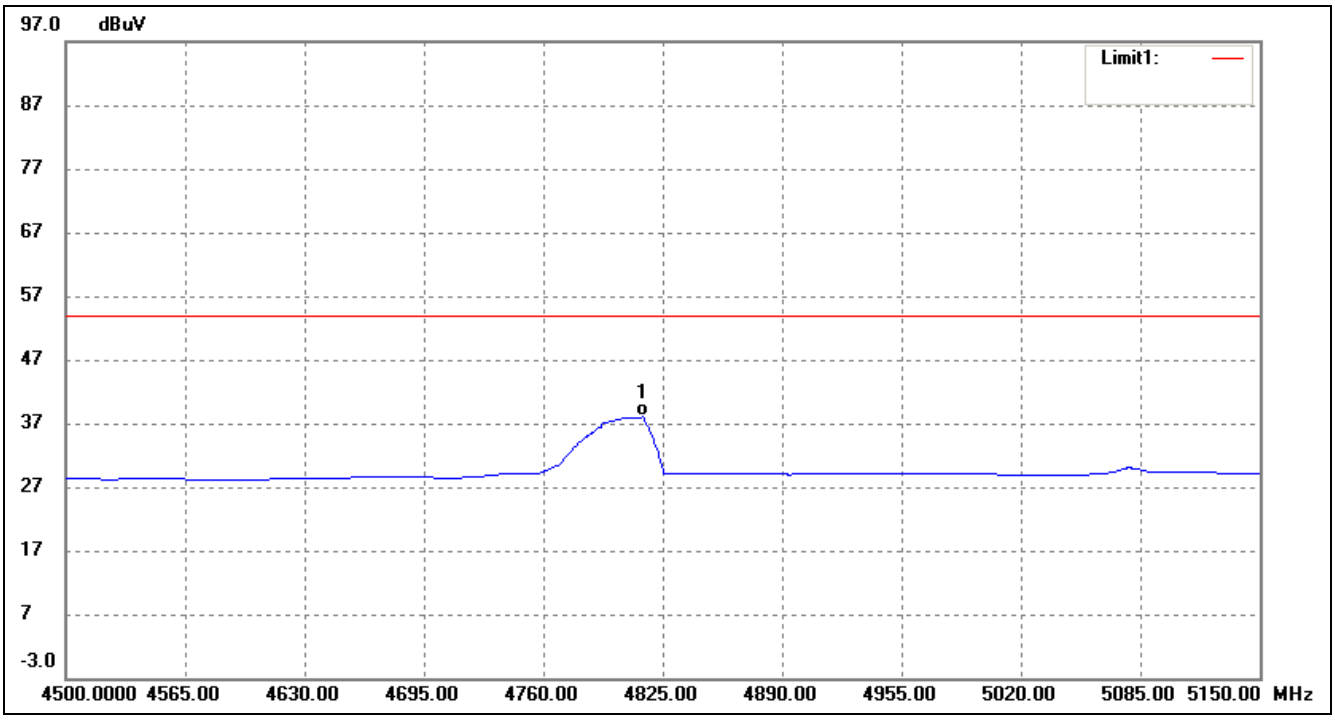
For the frequency band 5.15-5.25GHz(802.11n HT40)

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5148.610	49.40	11.02	60.42	74.00	-13.58	21	150	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	4814.042	27.46	10.55	38.01	54.00	-15.99	25	150	AVG

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5190MHz)										
10380	PK	57.30	360	V	40.7	10.9	39.6	69.3	74	-4.70
10380	PK	55.92	360	H	40.7	10.9	39.6	67.92	74	-6.08
10380	AV	36.99	360	V	40.7	10.9	39.6	48.99	54	-5.01
10380	AV	37.56	360	H	40.7	10.9	39.6	49.56	54	-4.44
High Channel (5230MHz)										
10460	PK	55.67	360	V	40.7	10.9	39.6	67.67	74	-6.33
10460	PK	57.76	360	H	40.7	10.9	39.6	69.76	74	-4.24
10460	AV	35.28	360	V	40.7	10.9	39.6	47.28	54	-6.72
10460	AV	35.51	360	H	40.7	10.9	39.6	47.51	54	-6.49

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-42.10	-27
Highest	Above 5350	-45.57	-27
Note: the data just list the worst cases			

For the frequency band 5.250-5.350GHz (802.11n HT40)

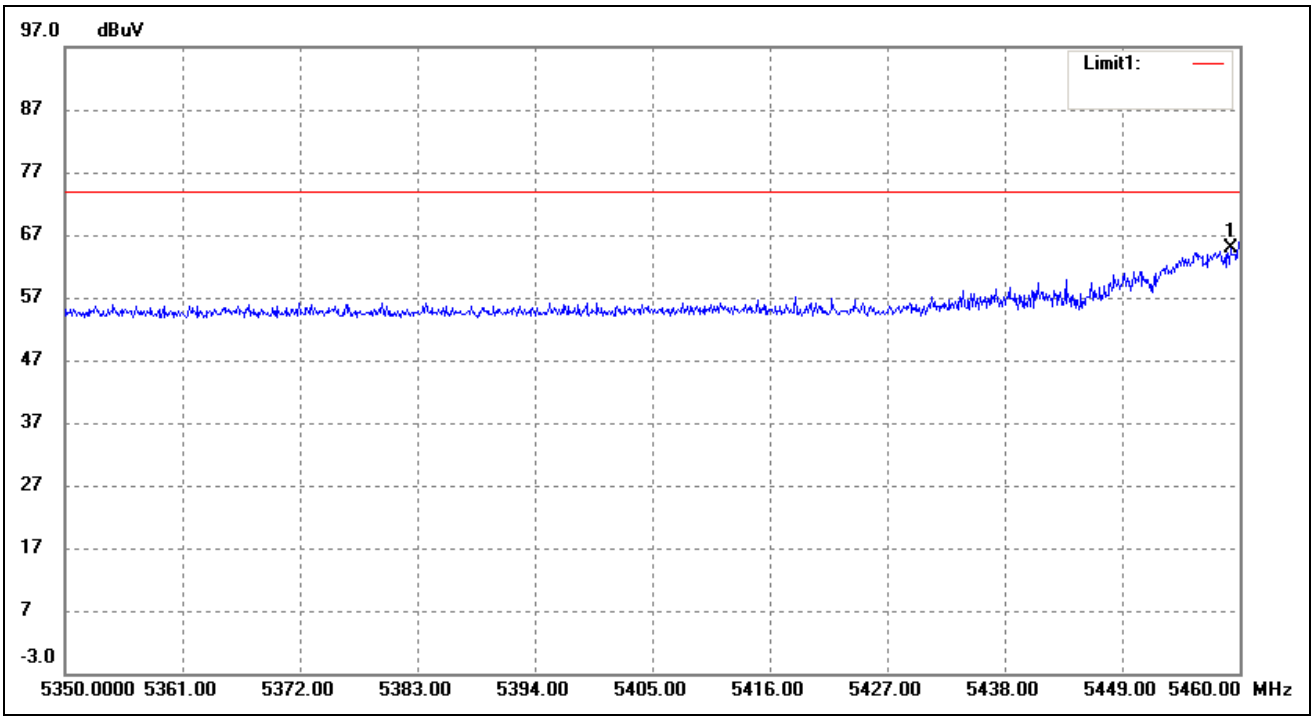
Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5270MHz)										
10540	PK	59.35	360	V	38.3	7.24	40.1	64.79	74	-9.21
10540	PK	59.38	360	H	38.3	7.24	40.1	64.82	74	-9.18
10540	AV	43.25	360	V	38.3	7.24	40.1	48.69	54	-5.31
10540	AV	38.39	360	H	38.3	7.24	40.1	43.83	54	-10.17
High Channel (5310MHz)										
10620	PK	63.82	360	V	38.3	7.24	40.1	69.26	74	-4.74
10620	PK	57.39	360	H	38.3	7.24	40.1	62.83	74	-11.17
10620	AV	41.67	360	V	38.3	7.24	40.1	47.11	54	-6.89
10620	AV	36.94	360	H	38.3	7.24	40.1	42.38	54	-11.62

Out of Band edge

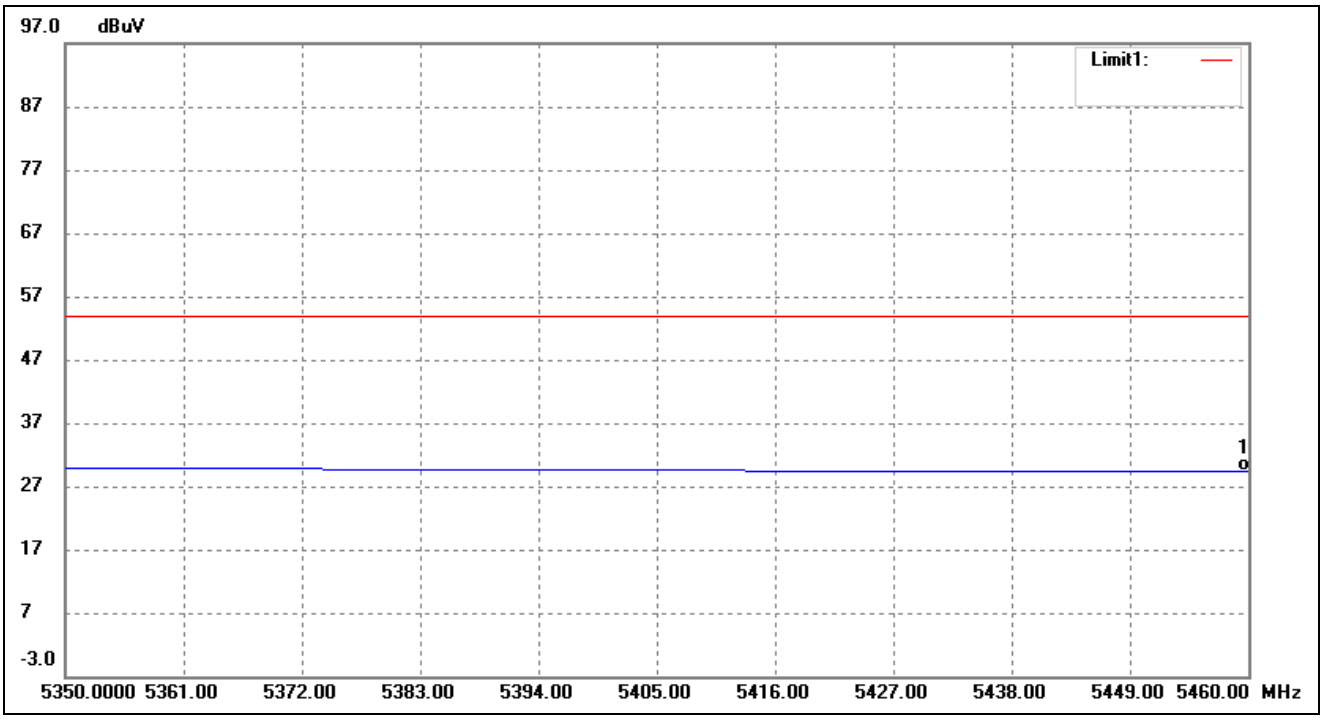
Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5150	-41.25	-27
Highest	Above 5350	-46.17	-27
Note: the data just list the worst cases			

Restricted Bandedge Peak



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5459.222	53.45	11.42	64.87	74.00	-9.13	181	150	peak

Restricted Bandedge Average



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5459.667	18.05	11.42	29.47	54.00	-24.53	181	150	AVG

For the frequency band 5.470-5.725GHz (802.11n HT40)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5510MHz)										
11020	PK	57.12	360	V	38.5	8.35	40.1	63.87	74	-10.13
11020	PK	59.73	360	H	38.5	8.35	40.1	66.48	74	-7.52
11020	AV	38.95	360	V	38.5	8.35	40.1	45.7	54	-8.3
11020	AV	36.31	360	H	38.5	8.35	40.1	43.06	54	-10.94
High Channel (5670MHz)										
11340	PK	57.27	360	V	38.9	8.4	40.1	64.47	74	-9.53
11340	PK	62.27	360	H	38.9	8.4	40.1	69.47	74	-4.53
11340	AV	40.16	360	V	38.9	8.4	40.1	47.36	54	-6.64
11340	AV	37.05	360	H	38.9	8.4	40.1	44.25	54	-9.75

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5470	-39.65	-27
Highest	Above 5725	-45.51	-27
Note: the data just list the worst cases			

For the frequency band 5.725-5.850GHz(802.11n HT40)

Hormonics And Spurious Emissions

Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5755MHz)										
11510	PK	53.72	360	V	38.9	9.8	40.1	62.32	74	-11.68
11510	PK	54.04	360	H	38.9	9.8	40.1	62.64	74	-11.36
11510	AV	40.04	360	V	38.9	9.8	40.1	48.64	54	-5.36
11510	AV	41.22	360	H	38.9	9.8	40.1	49.82	54	-4.18
High Channel (5795MHz)										
11590	PK	54.45	360	V	38.9	9.8	40.1	63.05	74	-10.95
11590	PK	53.73	360	H	38.9	9.8	40.1	62.33	74	-11.67
11590	AV	36.79	360	V	38.9	9.8	40.1	45.39	54	-8.61
11590	AV	40.55	360	H	38.9	9.8	40.1	49.15	54	-4.85

Out of Band edge

Test CH.	**Test Segment**	**Result**	**Limit**
	MHz	**dBm/MHz**	**dBm/MHz**
Lowest	Below 5715	-40.27	-27
	5715 to 5725	-45.36	-17
Highest	5850 to 5860	-41.19	-17
	Above 5860	-48.68	-27
Note: the data just list the worst cases			

Note: Testing is carried out with frequency rang 9kHz to 40GHz, which above 3th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

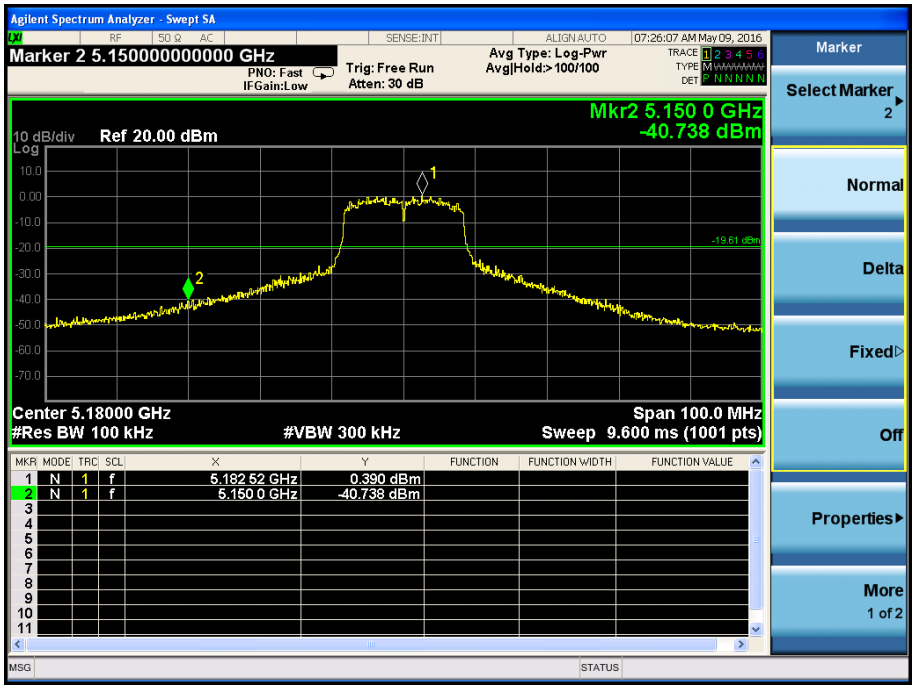
The measurements greater than 20dB below the limit from 9kHz to 30MHz.

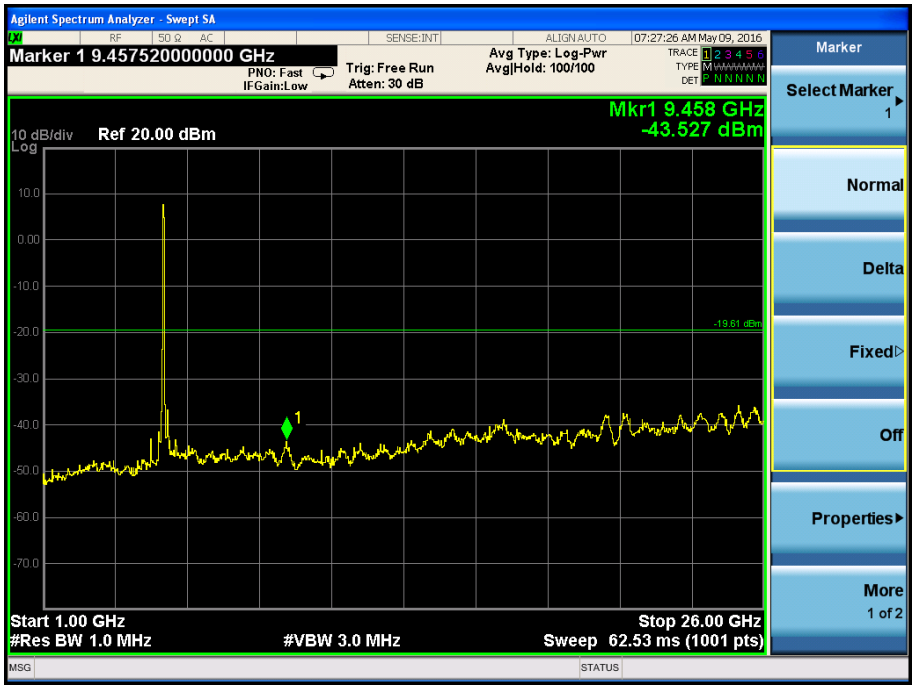
Out-of-Band and Spurious Emission (Conducted)

Antenna 1

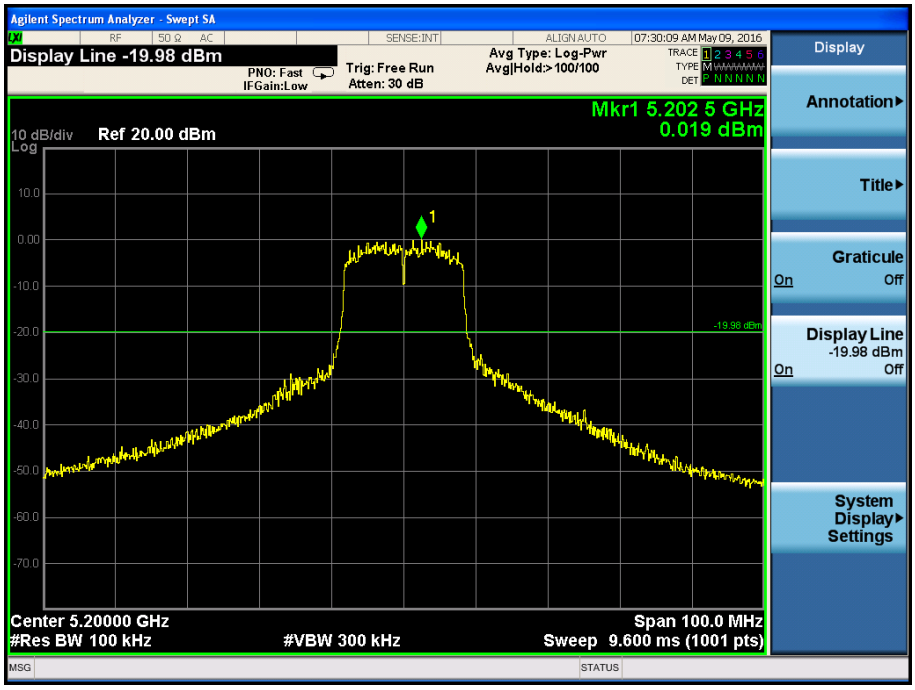
802.11a

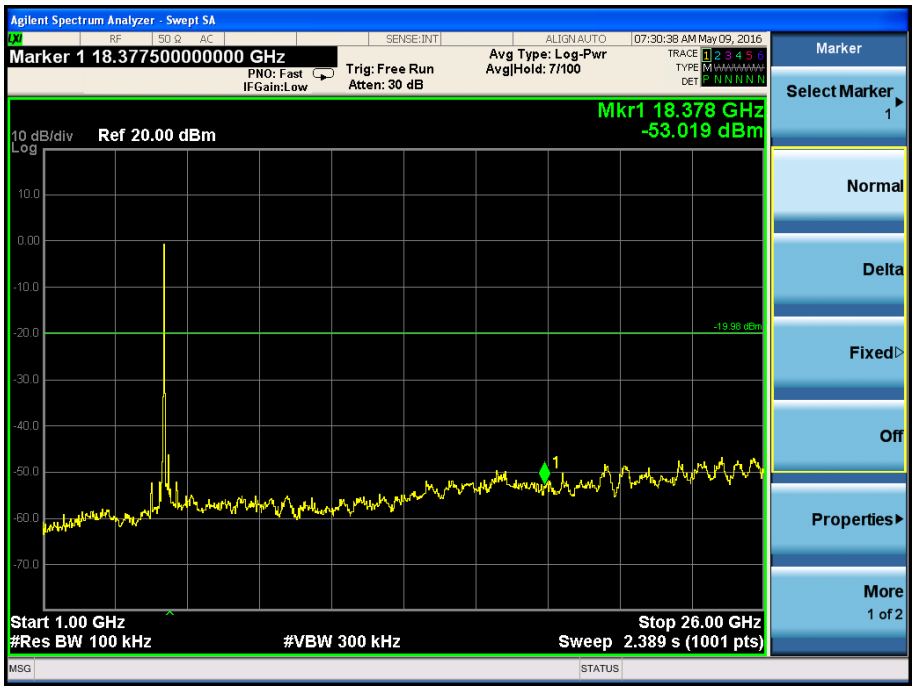
5180MHz



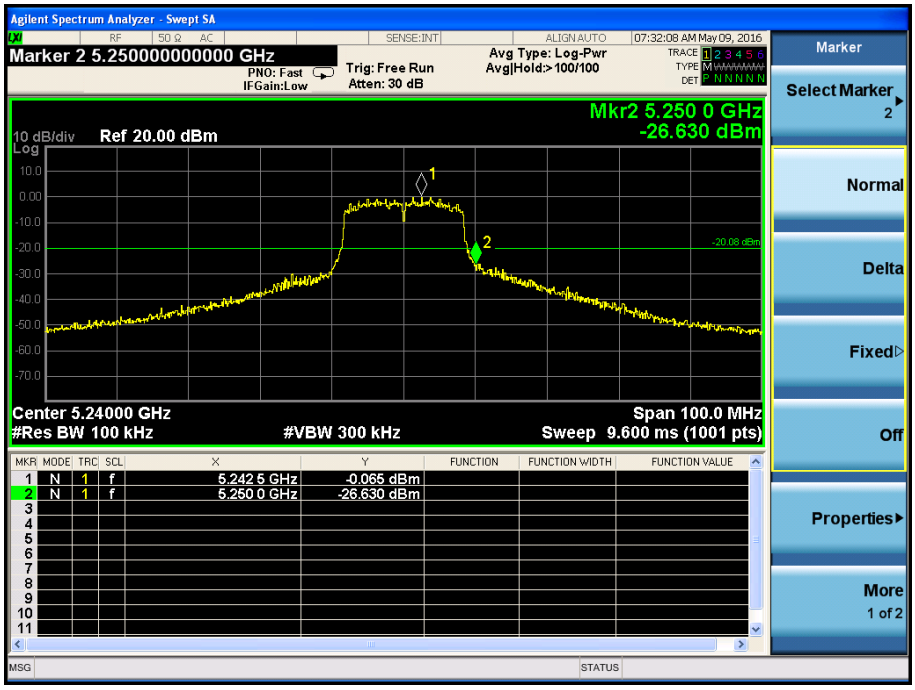


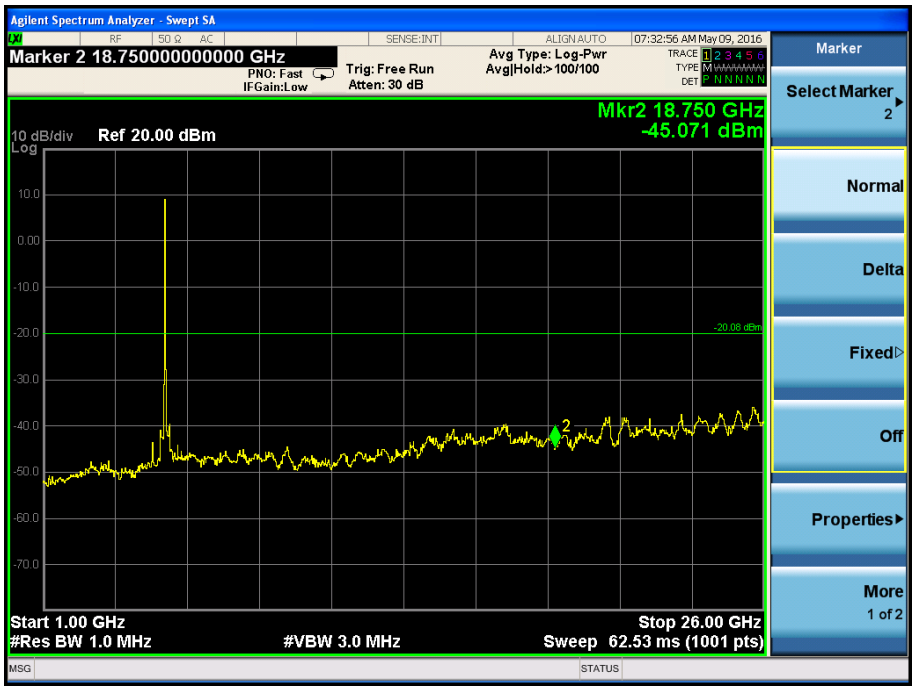
5200MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -19.98 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:30:09 AM May 09, 2016
Mkr1 5.202 5 GHz
0.019 dBm
10 dB/div
Log
Ref 20.00 dBm
-19.98 dBm
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On Off
Display Line
-19.98 dBm
On Off
System
Display
Settings
MSG
STATUS

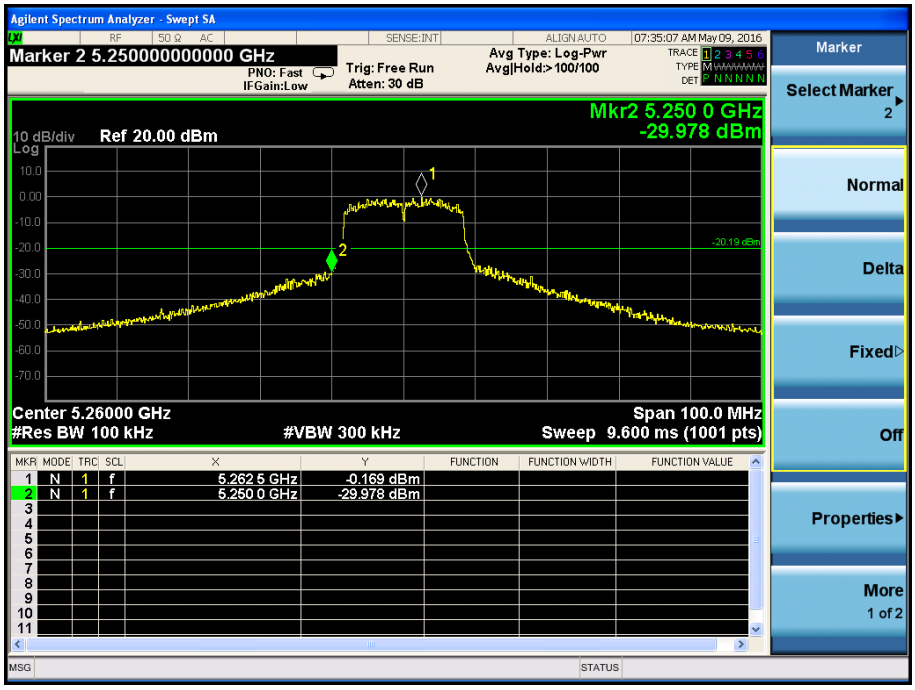

Agilent Spectrum Analyzer - Swept SA
Marker 1 18.377500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 7/100
07:30:38 AM May 09, 2016
Mkr1 18.378 GHz
-53.019 dBm
10 dB/div
Log
Ref 20.00 dBm
-19.98 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.00 GHz
Sweep 2.389 s (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

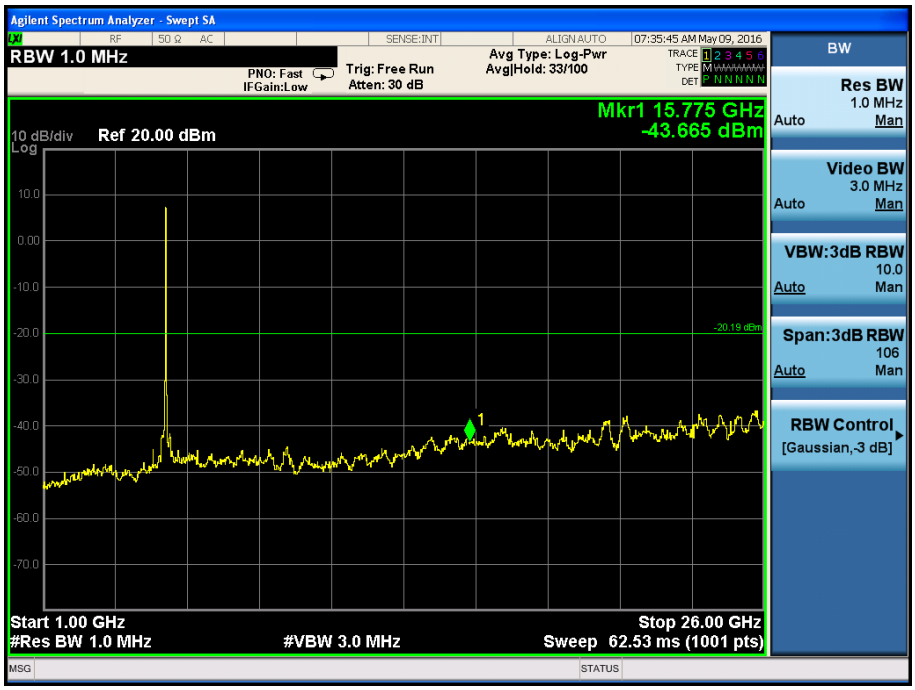
5240MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:32:08 AM May 09, 2016
Mkr2 5.250 0 GHz
-26.630 dBm
10 dB/div
Log
Ref 20.00 dBm
-20.08 dBm
Center 5.24000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.242 5 GHz -0.065 dBm
2 N 1 f 5.250 0 GHz -26.630 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

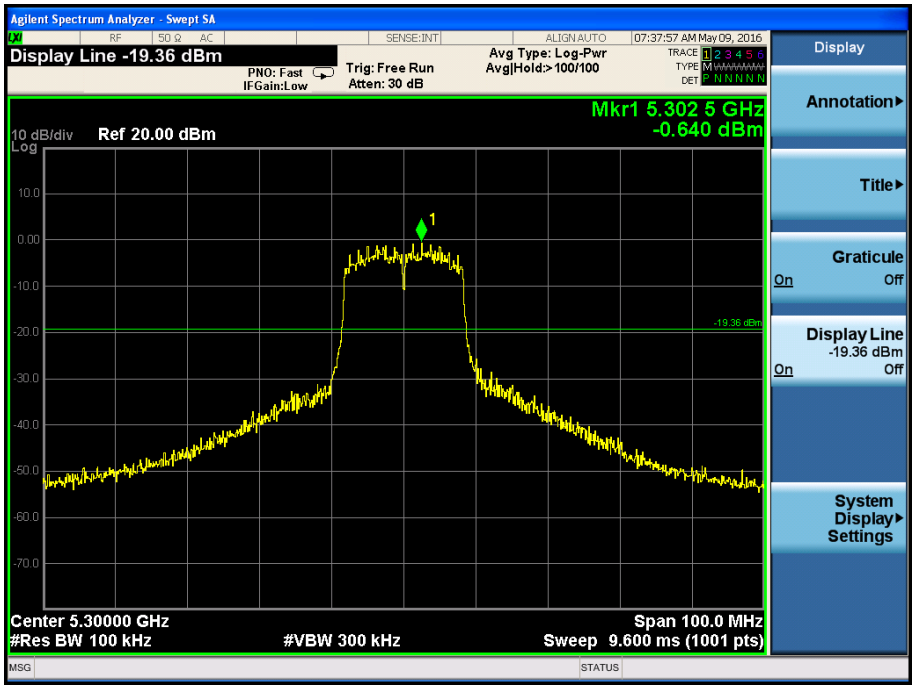

Agilent Spectrum Analyzer - Swept SA
Marker 2 18.750000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:32:56 AM May 09, 2016
Mkr2 18.750 GHz
-45.071 dBm
10 dB/div
Log
Ref 20.00 dBm
-20.08 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

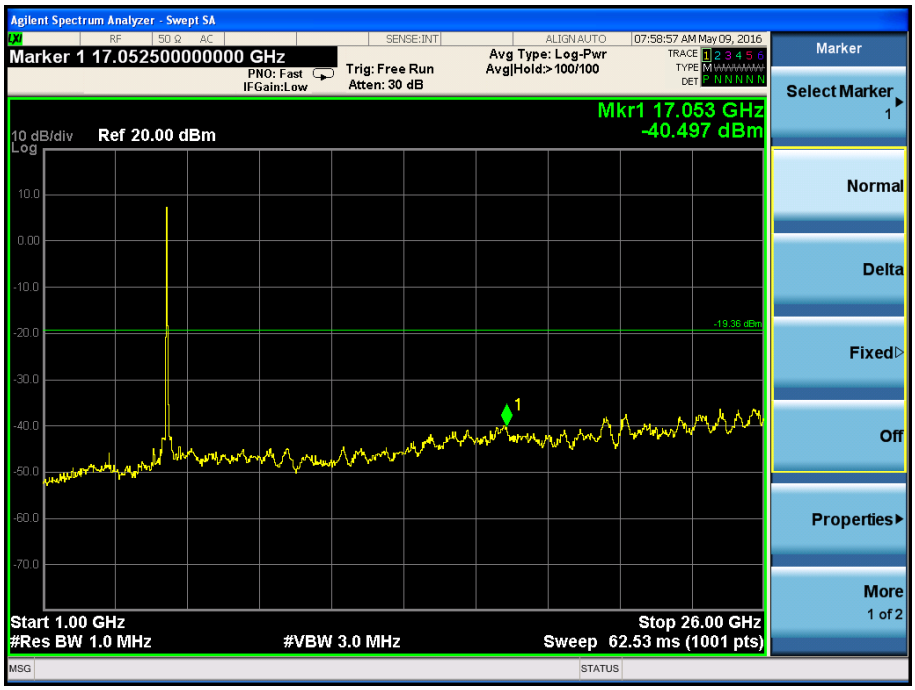
5260MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:35:07 AM May 09, 2016
Mkr2 5.250 0 GHz
-29.978 dBm
10 dB/div
Log
Ref 20.00 dBm
-20.19 dBm
Center 5.26000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.262 5 GHz -0.169 dBm
2 N 1 f 5.250 0 GHz -29.978 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

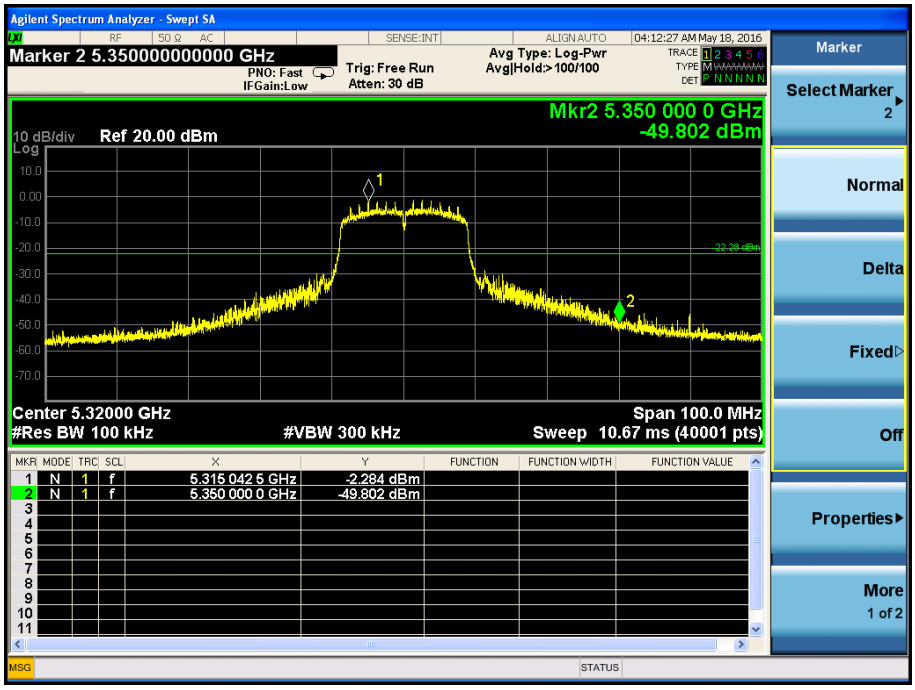

Agilent Spectrum Analyzer - Swept SA
RBW 1.0 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
07:35:45 AM May 09, 2016
Mkr1 15.775 GHz
-43.665 dBm
10 dB/div
Log
Ref 20.00 dBm
-20.19 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
BW
Res BW 1.0 MHz
Auto Man
Video BW 3.0 MHz
Auto Man
VBW:3dB RBW 10.0
Auto Man
Span:3dB RBW 106
Auto Man
RBW Control [Gaussian,-3 dB]

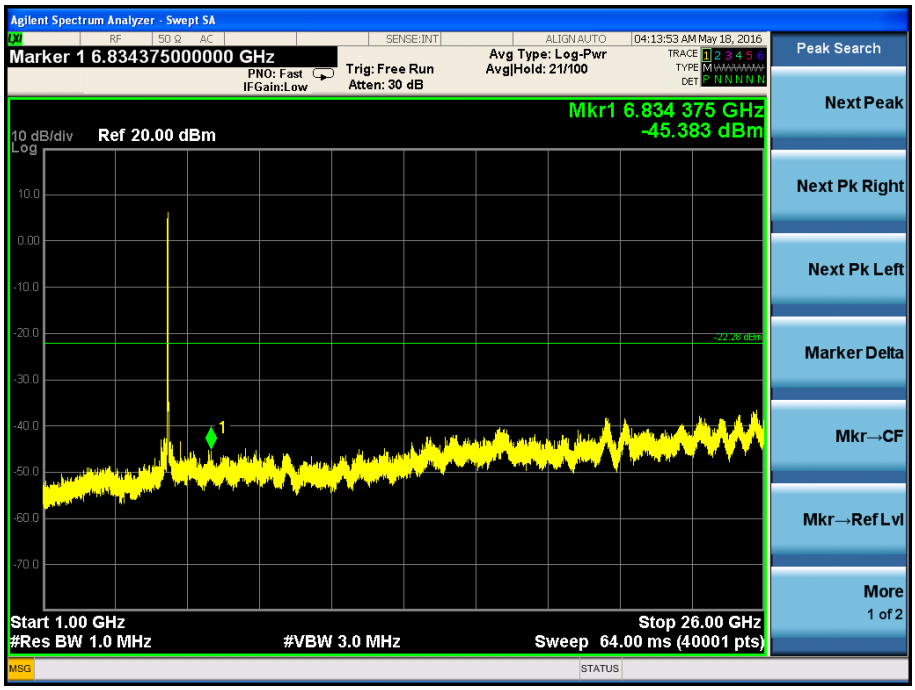
5300MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -19.36 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:37:57 AM May 09, 2016
Mkr1 5.302 5 GHz
-0.640 dBm
10 dB/div
Log
Ref 20.00 dBm
-19.36 dBm
Center 5.30000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On
Off
Display Line
-19.36 dBm
On
Off
System
Display
Settings
MSG
STATUS

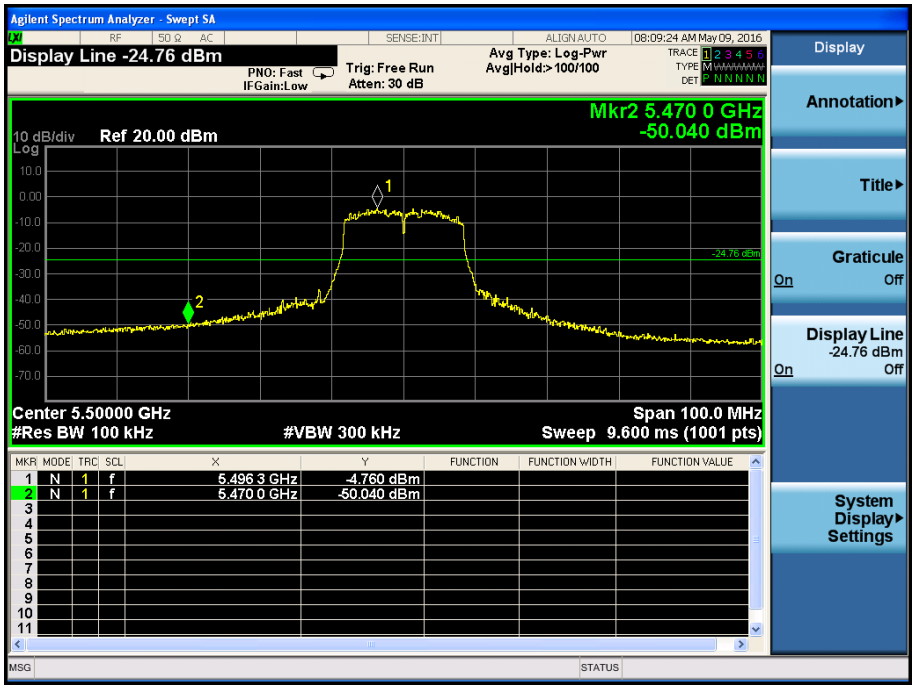

Agilent Spectrum Analyzer - Swept SA
Marker 1 17.052500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
07:58:57 AM May 09, 2016
Mkr1 17.053 GHz
-40.497 dBm
10 dB/div
Log
Ref 20.00 dBm
-19.36 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

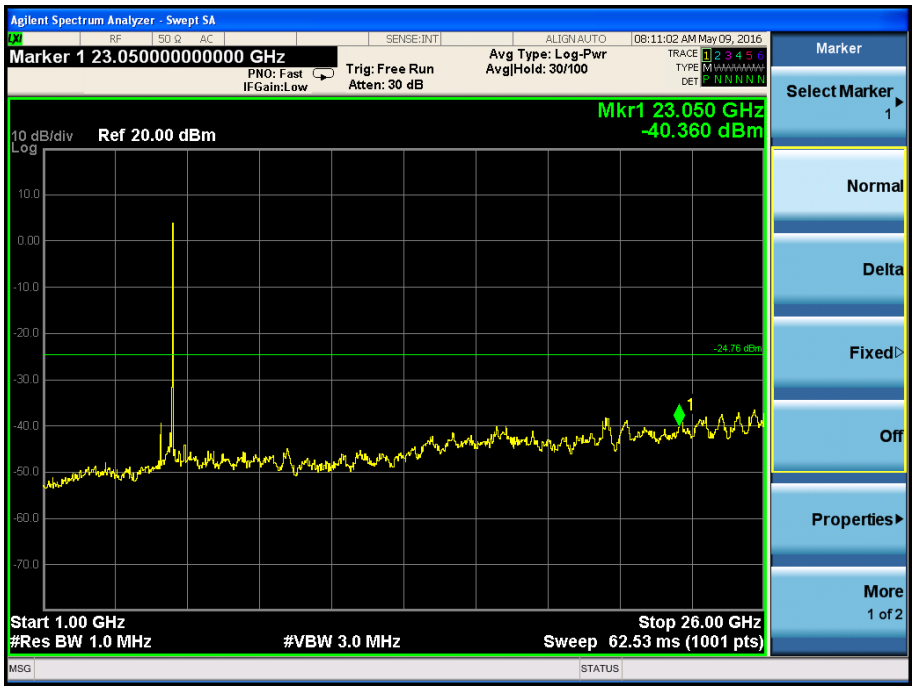
5320MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.350000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:12:27 AM May 18, 2016
Mkr2 5.350 000 0 GHz
-49.802 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.32000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 10.67 ms (40001 pts)
1 N 1 f 5.315 042 5 GHz -2.284 dBm
2 N 1 f 5.350 000 0 GHz -49.802 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MSG
STATUS

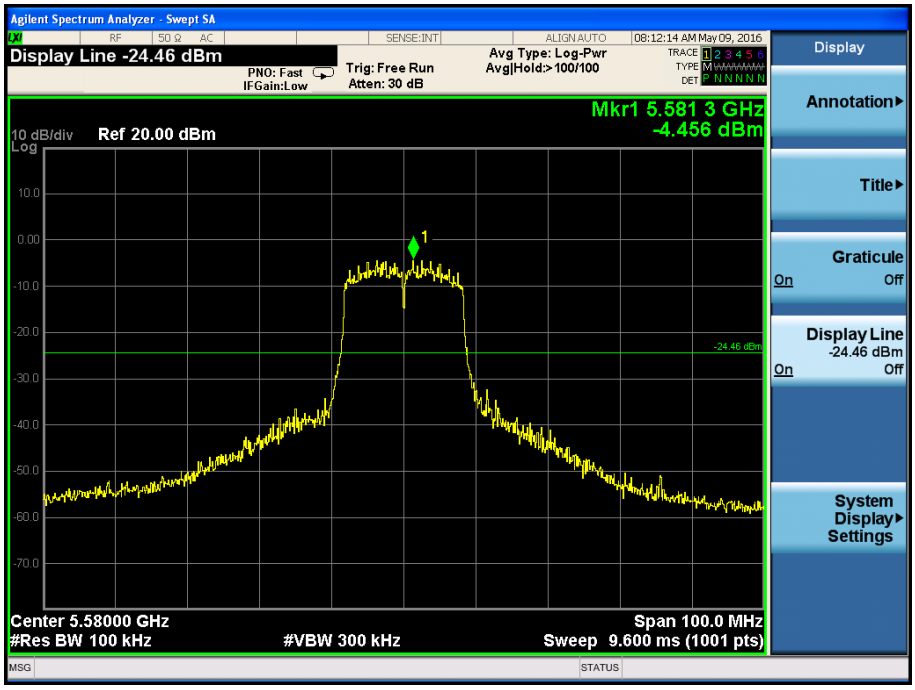

Agilent Spectrum Analyzer - Swept SA
Marker 1 6.834375000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 21/100
04:13:53 AM May 18, 2016
Mkr1 6.834 375 GHz
-45.383 dBm
10 dB/div
Log
Ref 20.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 64.00 ms (40001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG
STATUS

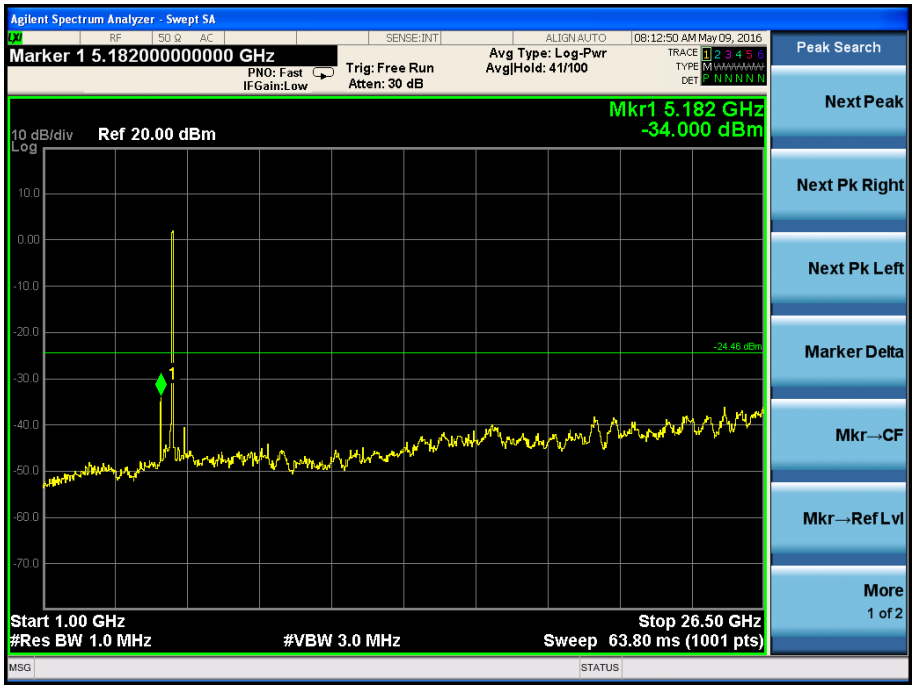
5500MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.76 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:09:24 AM May 09, 2016
Mkr2 5.470 0 GHz
-50.040 dBm
10 dB/div
Log
Ref 20.00 dBm
-24.76 dBm
Center 5.50000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.496 3 GHz -4.760 dBm
2 N 1 f 5.470 0 GHz -50.040 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-24.76 dBm
On Off
System
Display
Settings
MSG
STATUS

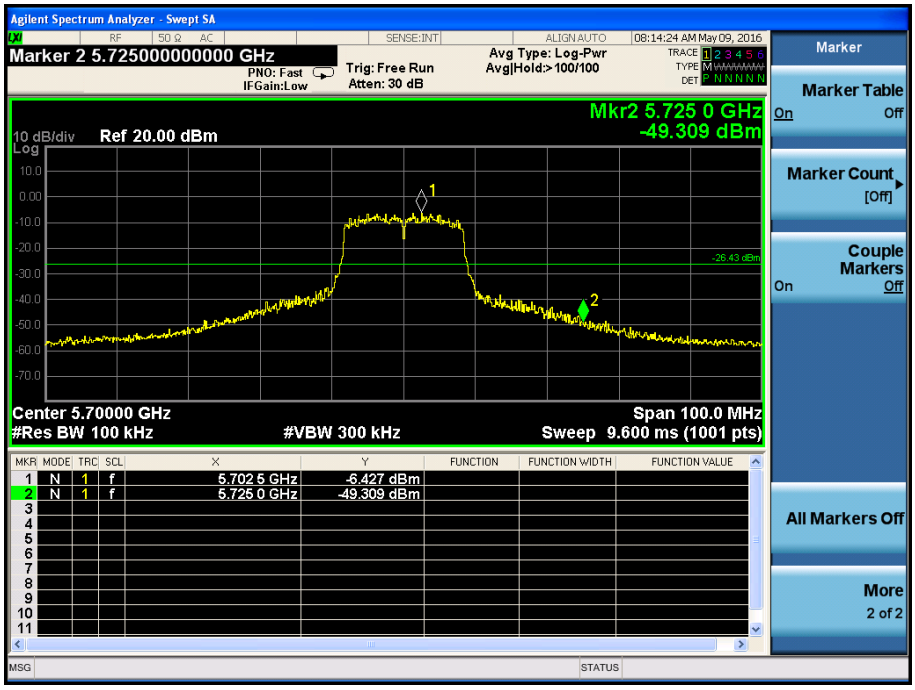

Agilent Spectrum Analyzer - Swept SA
Marker 1 23.050000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 30/100
08:11:02 AM May 09, 2016
Mkr1 23.050 GHz
-40.360 dBm
10 dB/div
Log
Ref 20.00 dBm
-24.76 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

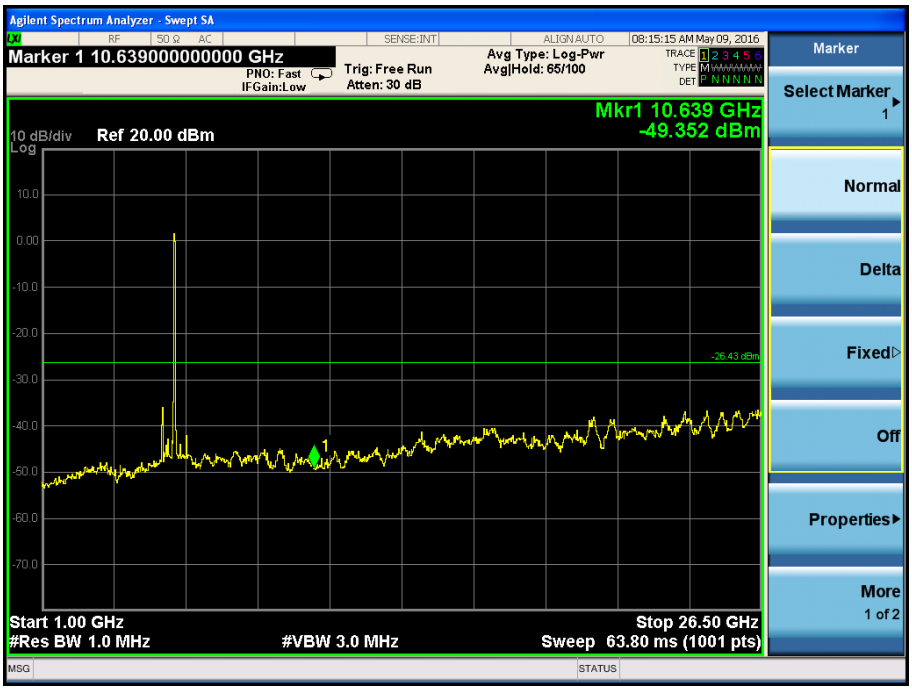
5580MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.46 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:12:14 AM May 09, 2016
Mkr1 5.581 3 GHz
-4.456 dBm
10 dB/div
Log
Ref 20.00 dBm
-24.46 dBm
Center 5.58000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On
Off
Display Line
-24.46 dBm
On
Off
System
Display
Settings
MSG
STATUS

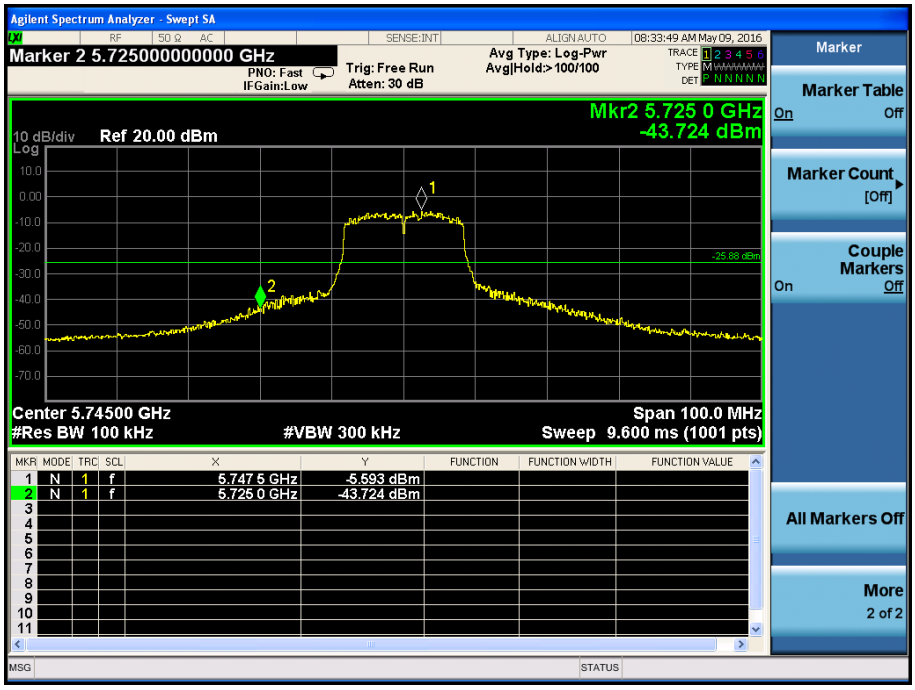

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.182000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 41/100
08:12:50 AM May 09, 2016
Mkr1 5.182 GHz
-34.000 dBm
10 dB/div
Log
Ref 20.00 dBm
-24.46 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

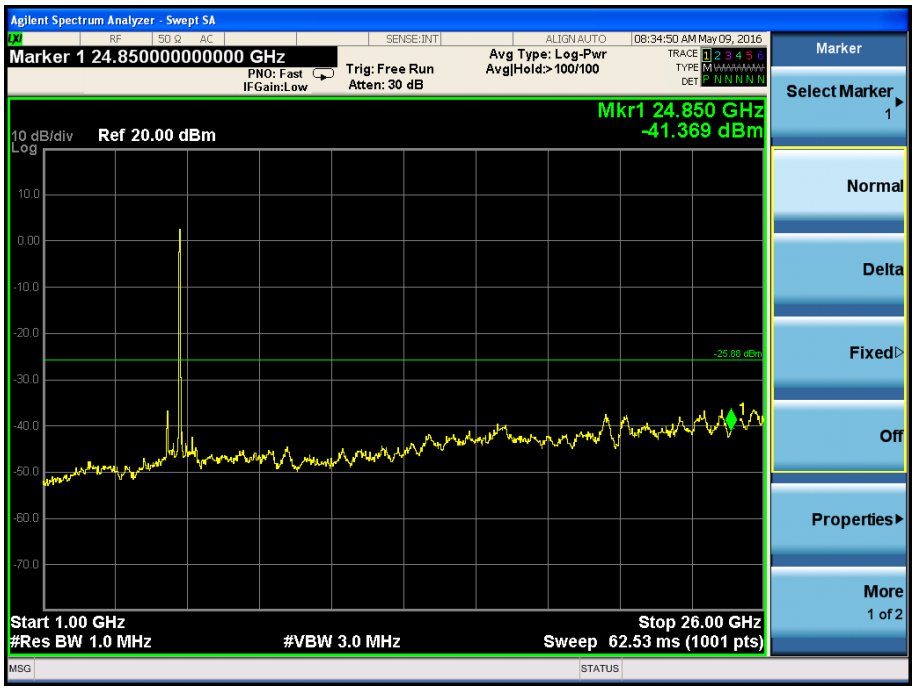
5700MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:14:24 AM May 09, 2016
Mkr2 5.725 0 GHz
-49.309 dBm
10 dB/div
Log
Ref 20.00 dBm
-26.43 dBm
Center 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.702 5 GHz -6.427 dBm
2 N 1 f 5.725 0 GHz -49.309 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2
MSG
STATUS

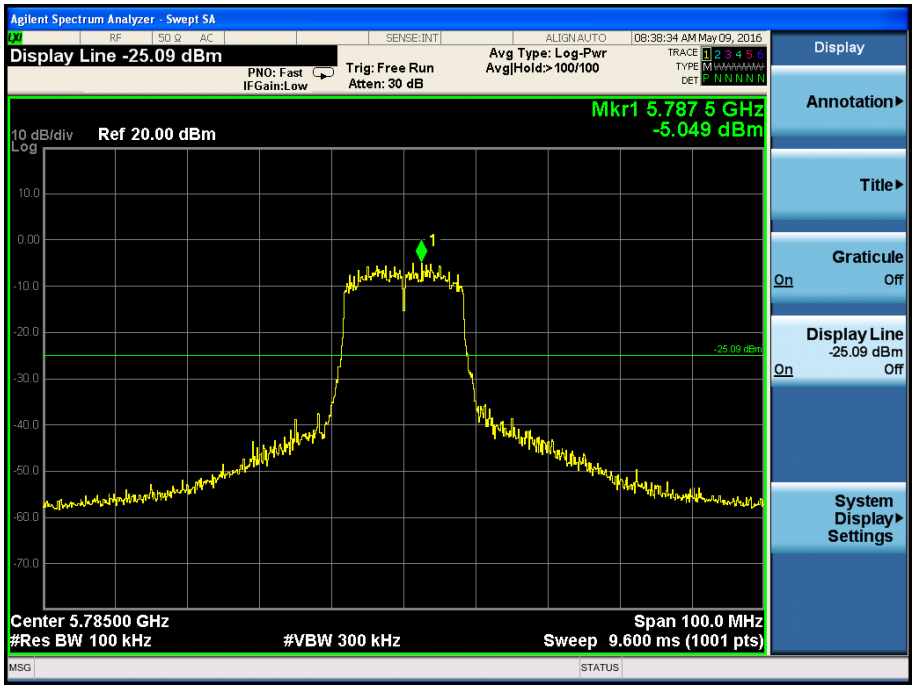

Agilent Spectrum Analyzer - Swept SA
Marker 1 10.639000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 65/100
08:15:15 AM May 09, 2016
Mkr1 10.639 GHz
-49.352 dBm
10 dB/div
Log
Ref 20.00 dBm
-26.43 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

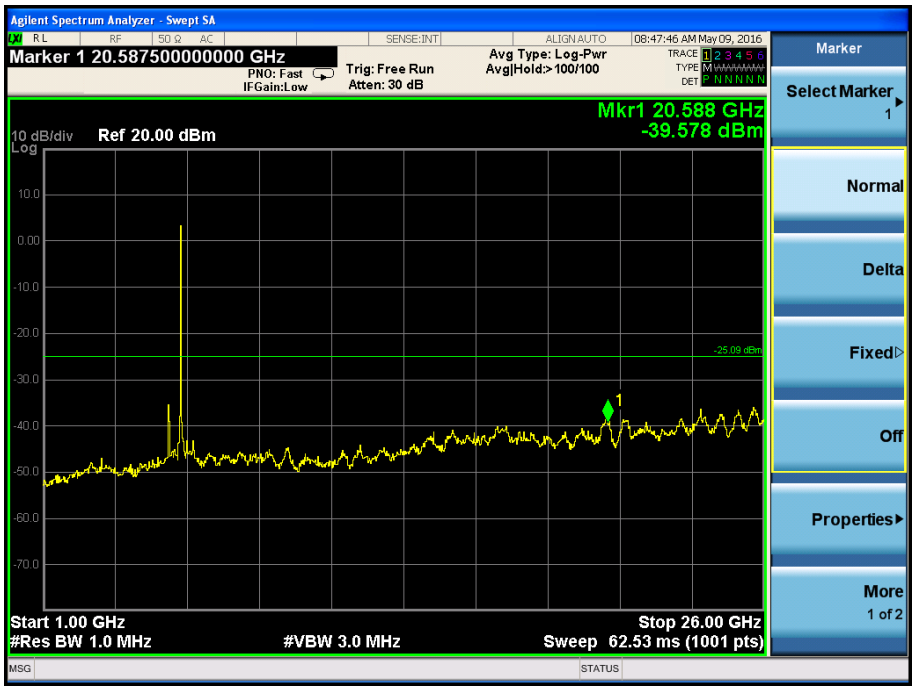
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:33:49 AM May 09, 2016
Mkr2 5.725 0 GHz
-43.724 dBm
10 dB/div
Log
Ref 20.00 dBm
-25.88 dBm
Center 5.74500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.747 5 GHz -5.593 dBm
2 N 1 f 5.725 0 GHz -43.724 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2

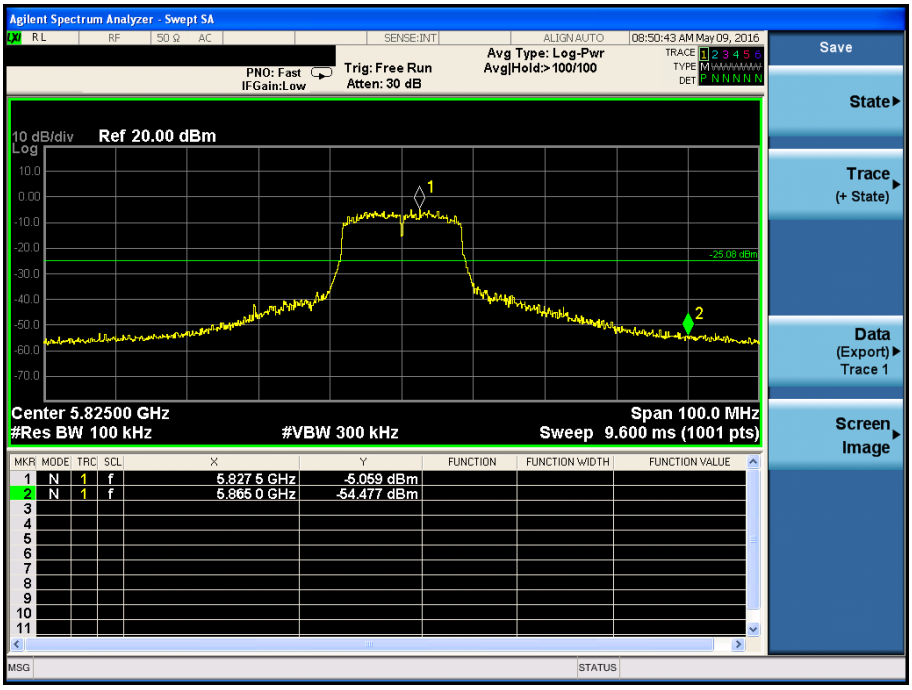

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.850000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:34:50 AM May 09, 2016
Mkr1 24.850 GHz
-41.369 dBm
10 dB/div
Log
Ref 20.00 dBm
-25.88 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

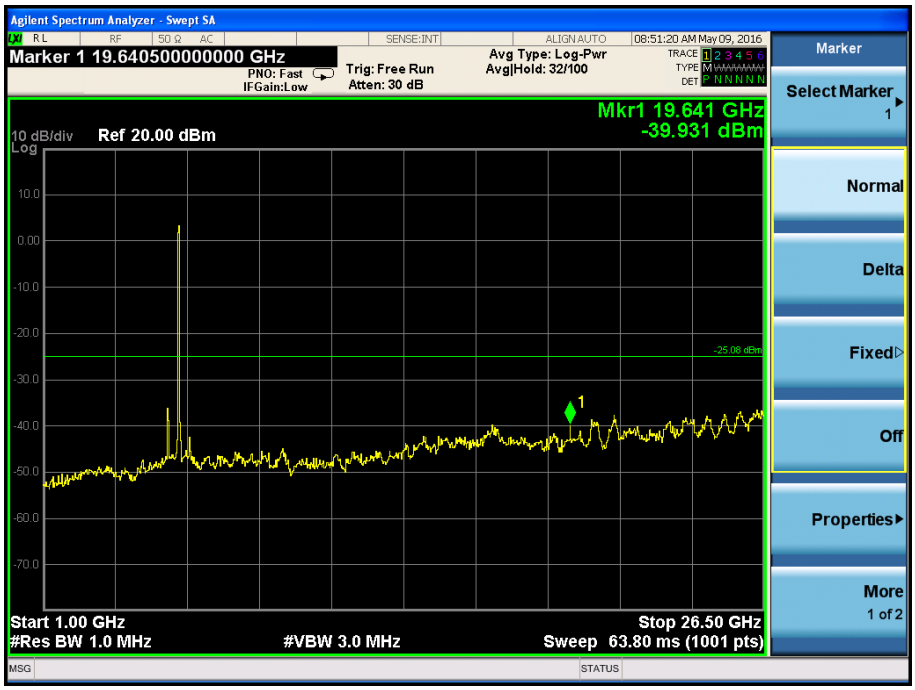
5785MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -25.09 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:38:34 AM May 09, 2016
Mkr1 5.787 5 GHz
-5.049 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On
Off
Display Line
-25.09 dBm
On
Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 20.587500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
08:47:46 AM May 09, 2016
Mkr1 20.588 GHz
-39.578 dBm
10 dB/div
Log
Ref 20.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

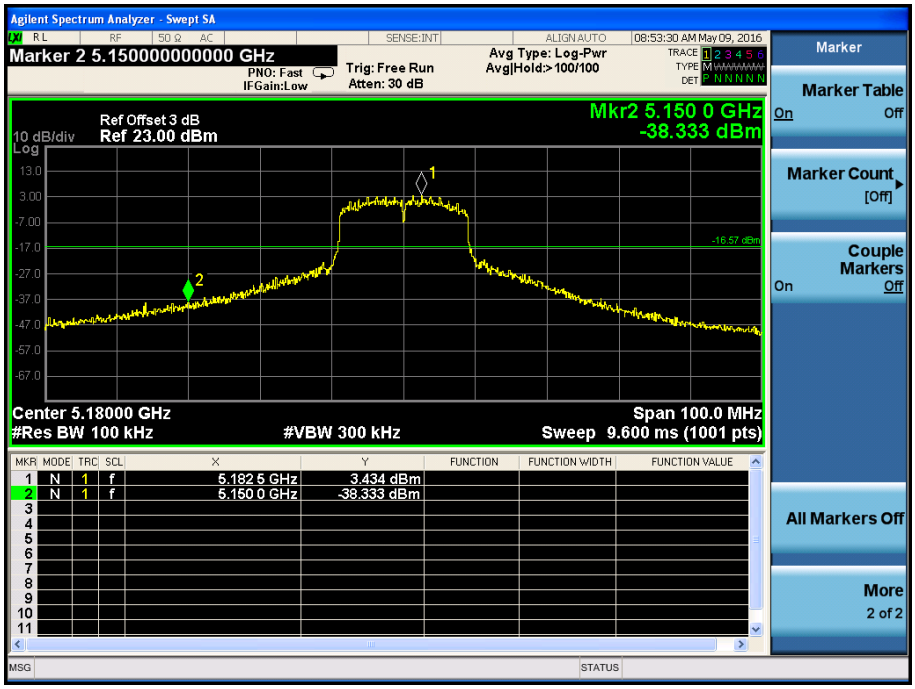
5825MHz

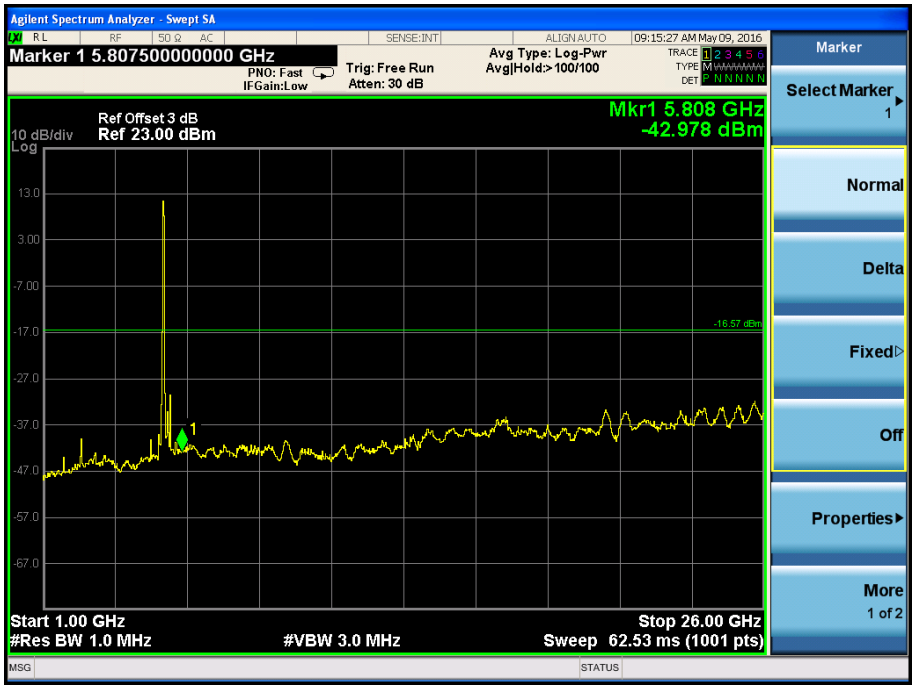

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:50:43 AM May 09, 2016
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-25.08 dBm
1
2
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.827 5 GHz -5.059 dBm
2 N 1 f 5.865 0 GHz -54.477 dBm
3
4
5
6
7
8
9
10
11
MSG
STATUS
Save
State
Trace
(+ State)
Data
(Export)
Trace 1
Screen
Image


Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:51:20 AM May 09, 2016
Marker 1 19.640500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 32/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N
Mkr1 19.641 GHz
-39.931 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-25.08 dBm
1
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
MSG
STATUS
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

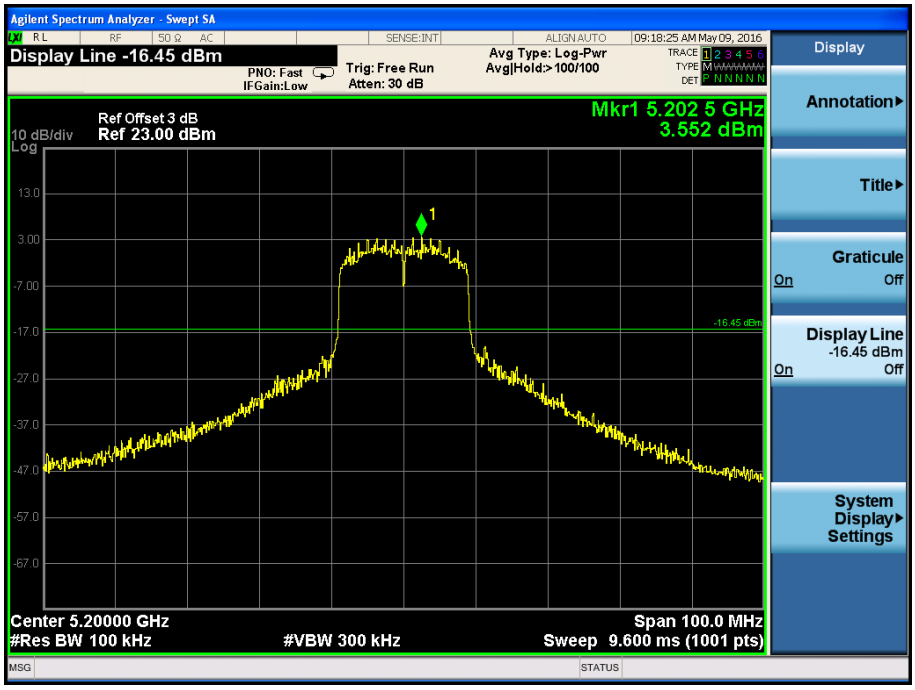
802.11n-HT20

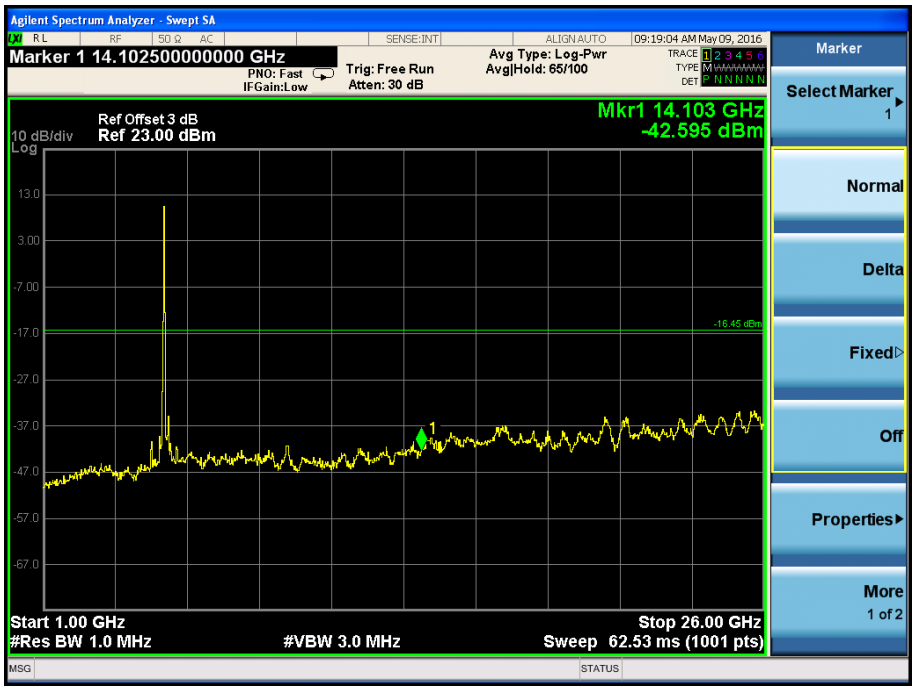
5180MHz



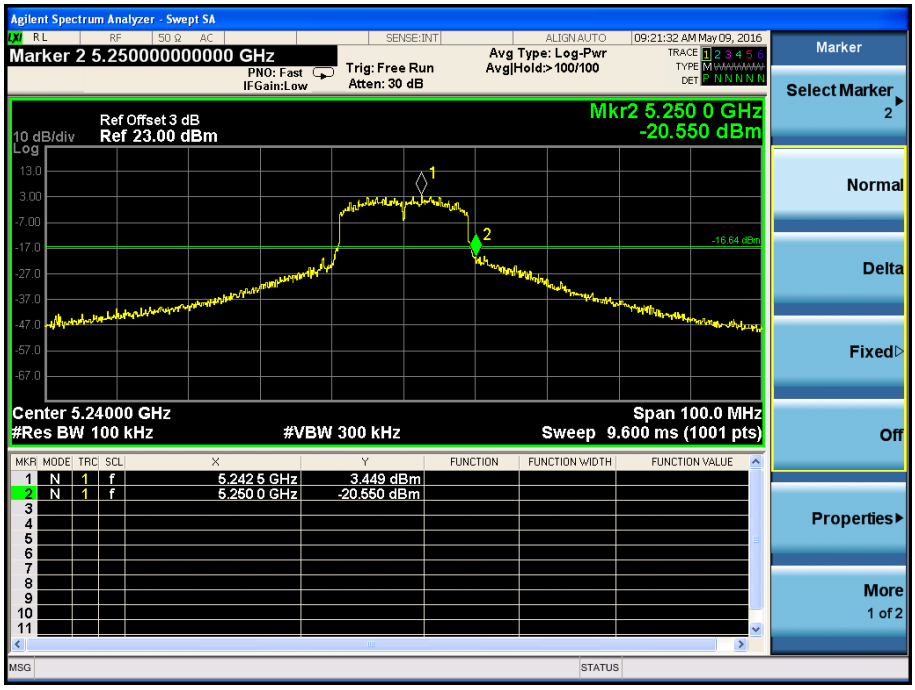


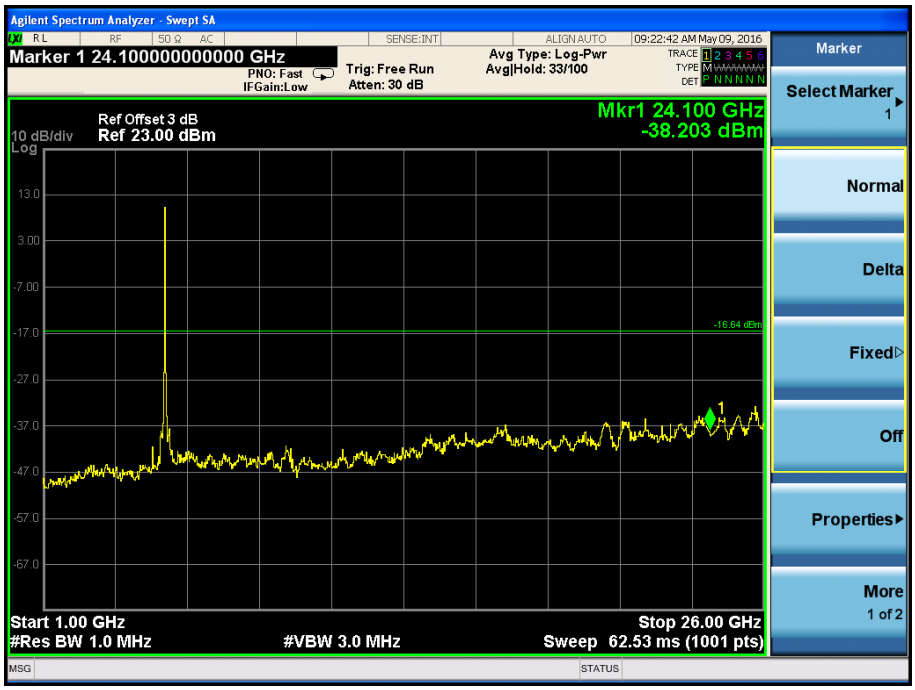
5200MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -16.45 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:18:25 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 5.202 5 GHz
3.552 dBm
-16.45 dBm
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On
Off
Display Line
-16.45 dBm
On
Off
System
Display
Settings
MSG
STATUS

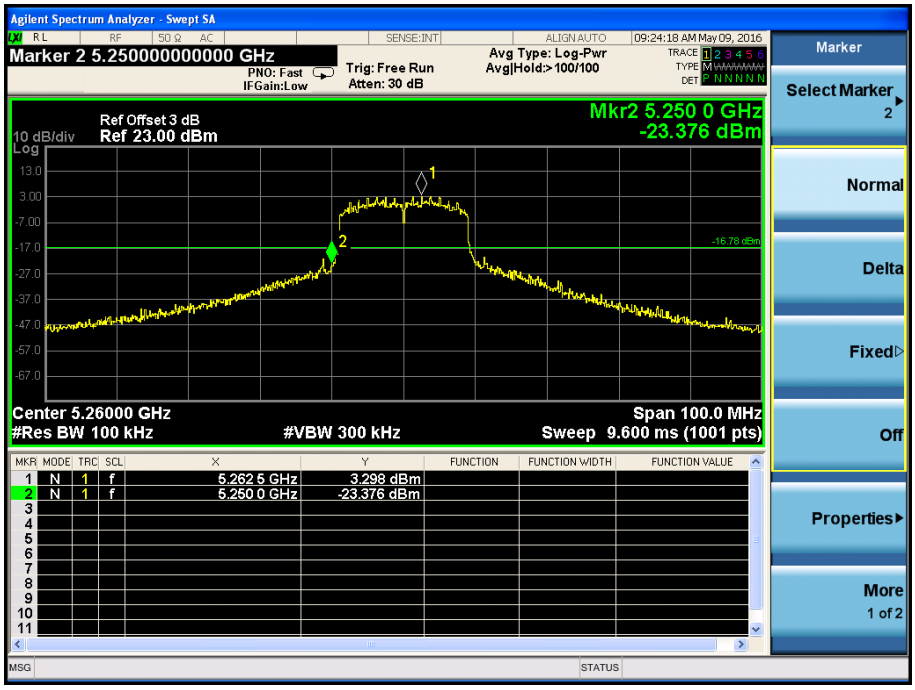

Agilent Spectrum Analyzer - Swept SA
Marker 1 14.102500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 65/100
09:19:04 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 14.103 GHz
-42.595 dBm
-16.45 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

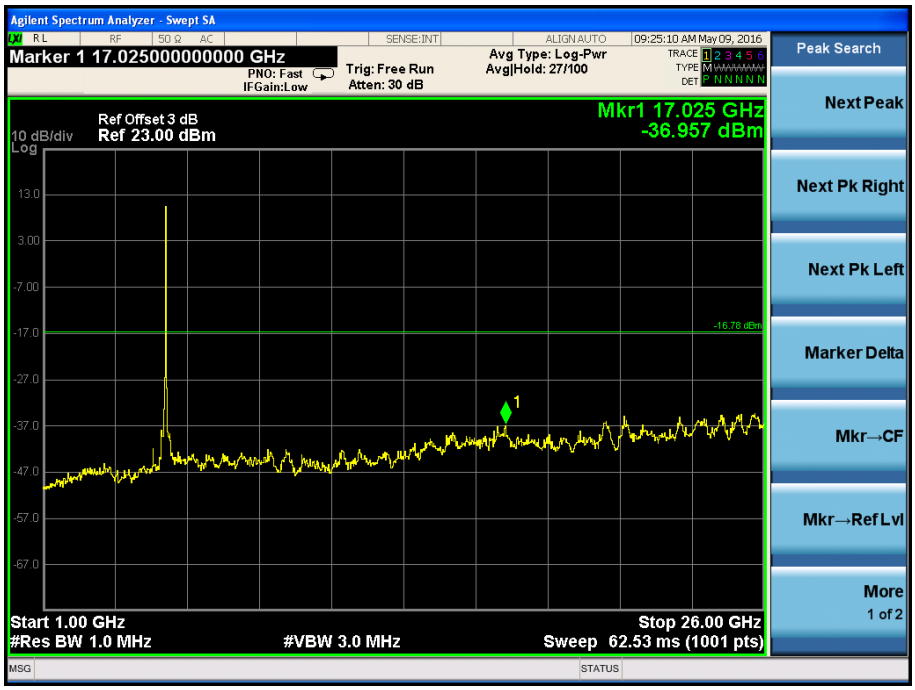
5240MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:21:32 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.250 0 GHz
-20.550 dBm
-16.64 dBm
Center 5.24000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.242 5 GHz 3.449 dBm
2 N 1 f 5.250 0 GHz -20.550 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

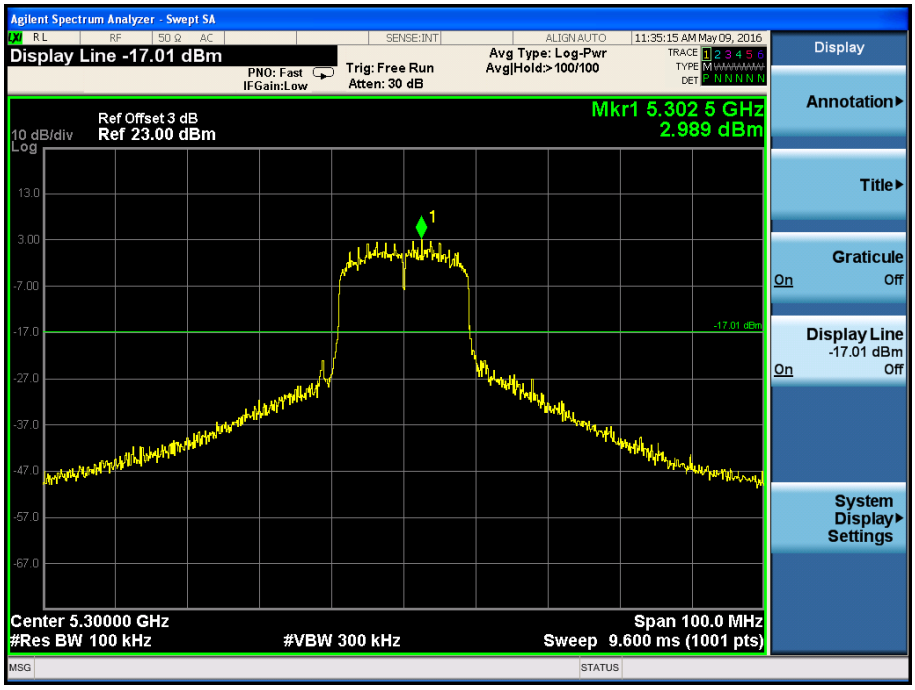

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.100000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
09:22:42 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 24.100 GHz
-38.203 dBm
-16.64 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

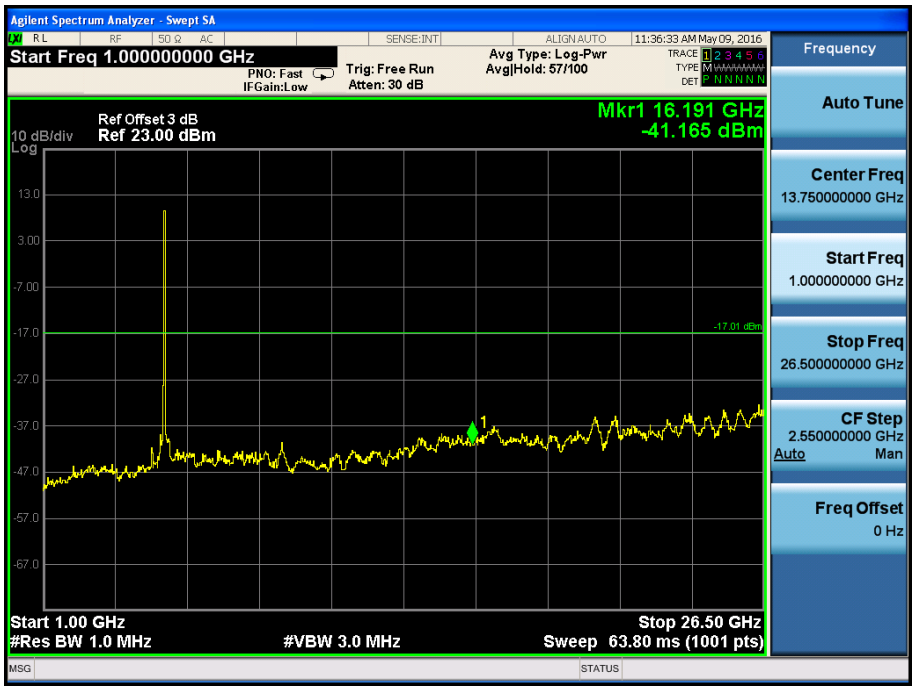
5260MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:24:18 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.250 0 GHz
-23.376 dBm
-16.78 dBm
Center 5.26000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.262 5 GHz 3.298 dBm
2 N 1 f 5.250 0 GHz -23.376 dBm
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2

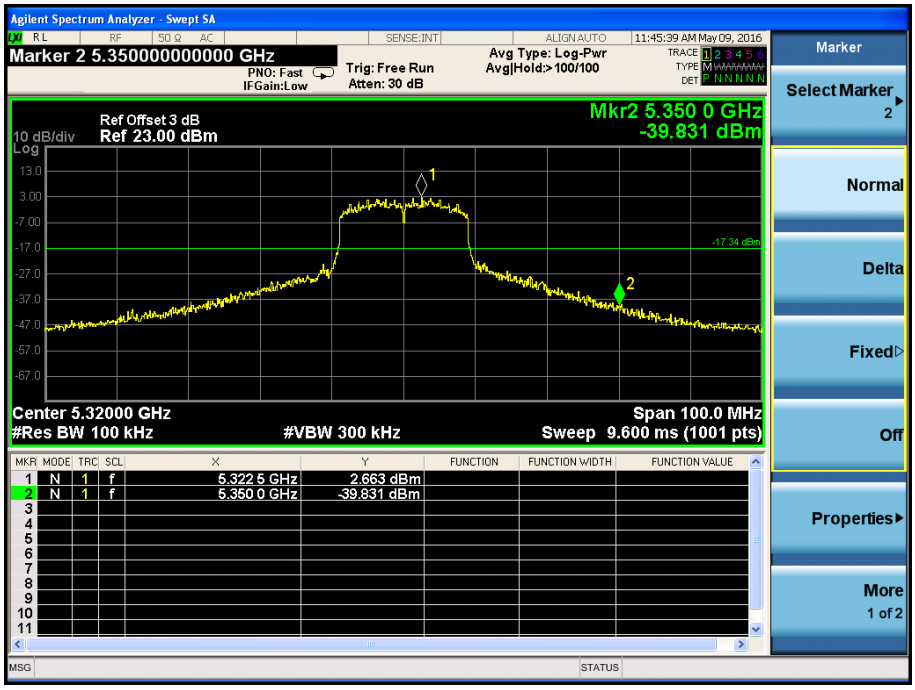

Agilent Spectrum Analyzer - Swept SA
Marker 1 17.025000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 27/100
09:25:10 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 17.025 GHz
-36.957 dBm
-16.78 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

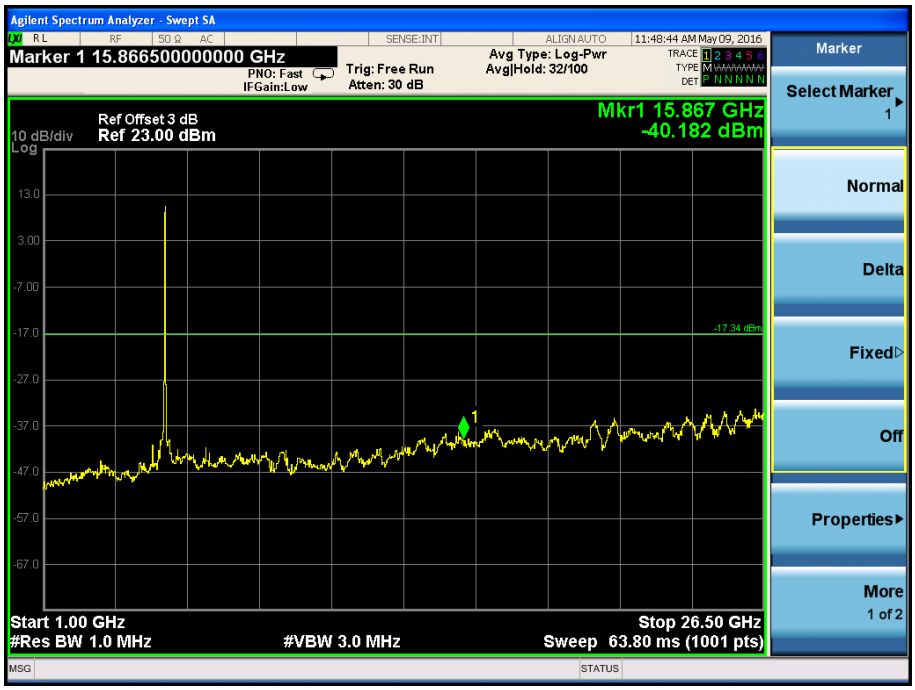
5300MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -17.01 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:35:15 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 5.302 5 GHz
2.989 dBm
-17.01 dBm
Center 5.30000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On Off
Display Line
-17.01 dBm
On Off
System
Display
Settings
MSG
STATUS

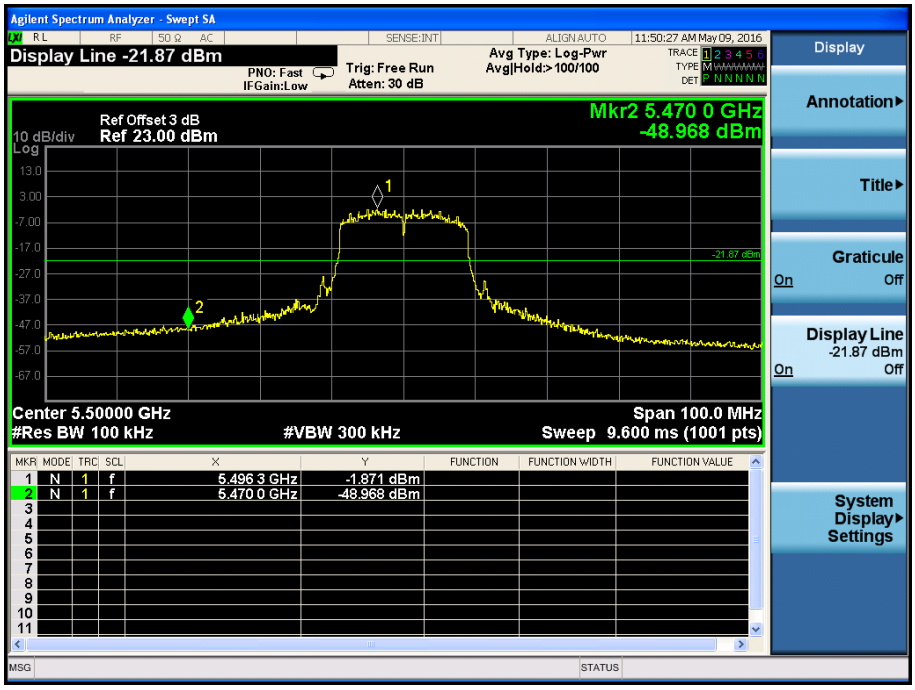

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 57/100
11:36:33 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 16.191 GHz
-41.165 dBm
-17.01 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.750000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
CF Step
2.550000000 GHz
Auto Man
Freq Offset
0 Hz
MSG
STATUS

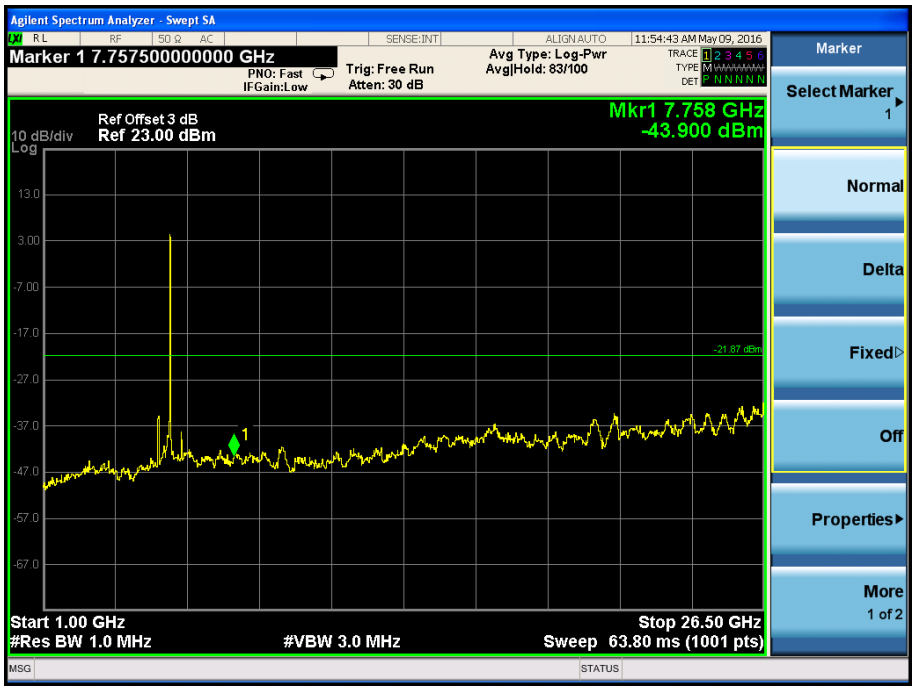
5320MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.350000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:45:39 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.350 0 GHz
-39.831 dBm
-17.34 dBm
Center 5.32000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.322 5 GHz 2.663 dBm
2 N 1 f 5.350 0 GHz -39.831 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

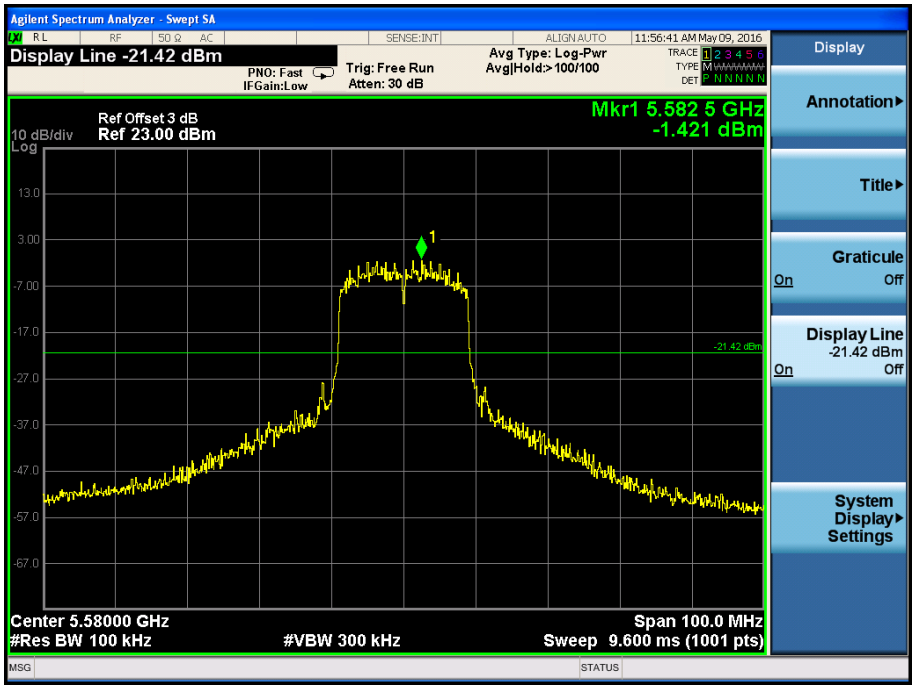

Agilent Spectrum Analyzer - Swept SA
Marker 1 15.866500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 32/100
11:48:44 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 15.867 GHz
-40.182 dBm
-17.34 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

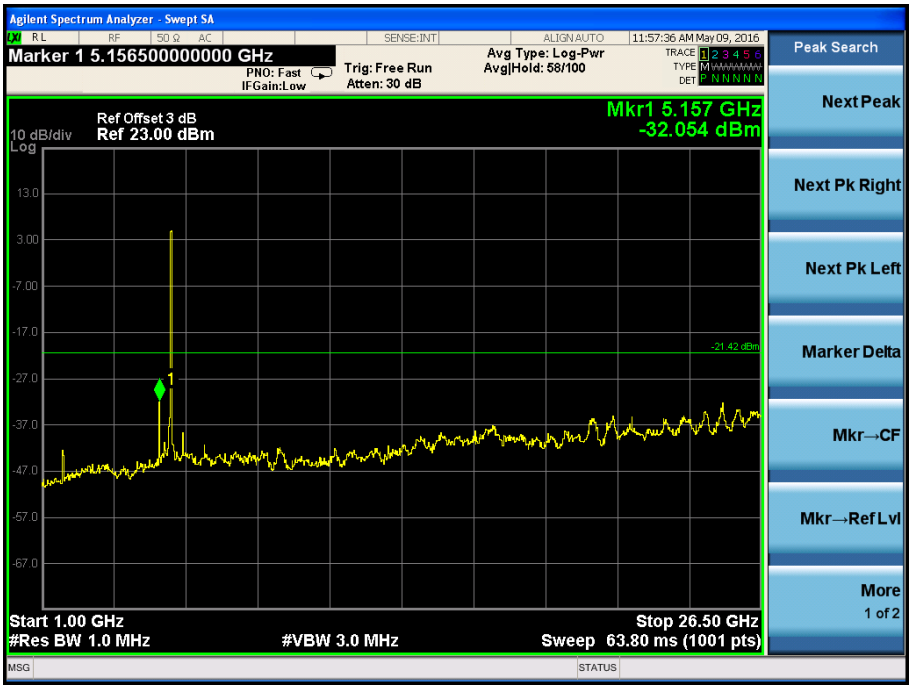
5500MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -21.87 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:50:27 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.470 0 GHz
-48.968 dBm
-21.87 dBm
Center 5.50000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.496 3 GHz -1.871 dBm
2 N 1 f 5.470 0 GHz -48.968 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-21.87 dBm
On Off
System
Display
Settings
MSG
STATUS

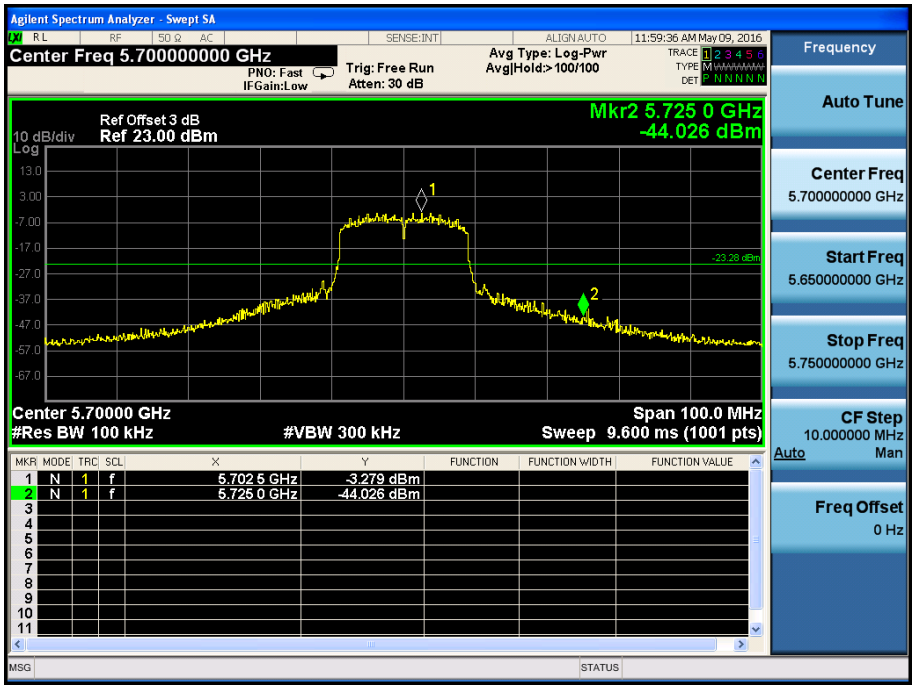

Agilent Spectrum Analyzer - Swept SA
Marker 1 7.757500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 83/100
11:54:43 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 7.758 GHz
-43.900 dBm
-21.87 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

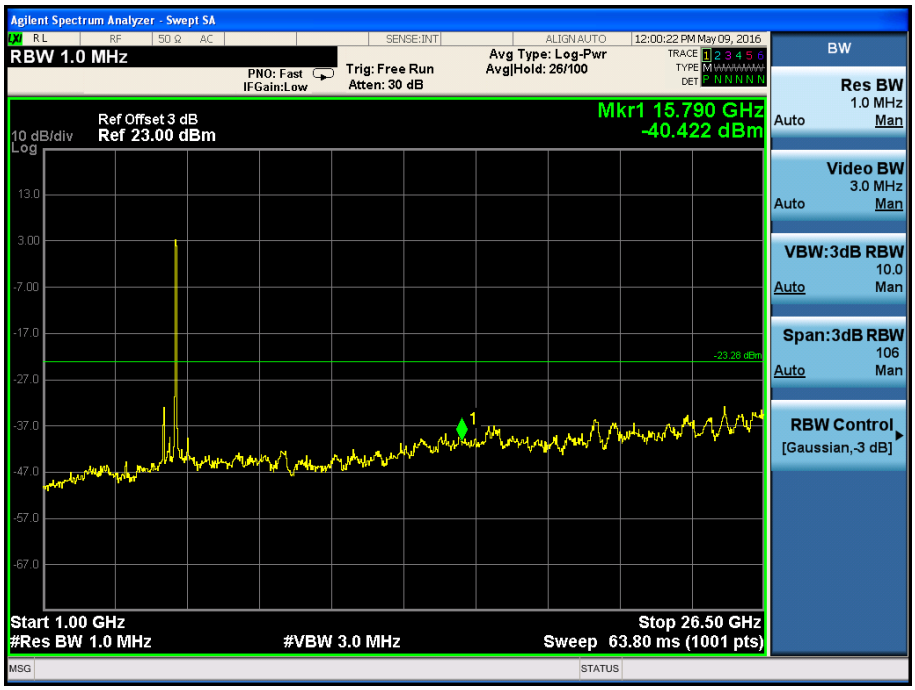
5580MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -21.42 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:56:41 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 5.582 5 GHz
-1.421 dBm
-21.42 dBm
Center 5.58000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On Off
Display Line
-21.42 dBm
On Off
System
Display
Settings
MSG
STATUS

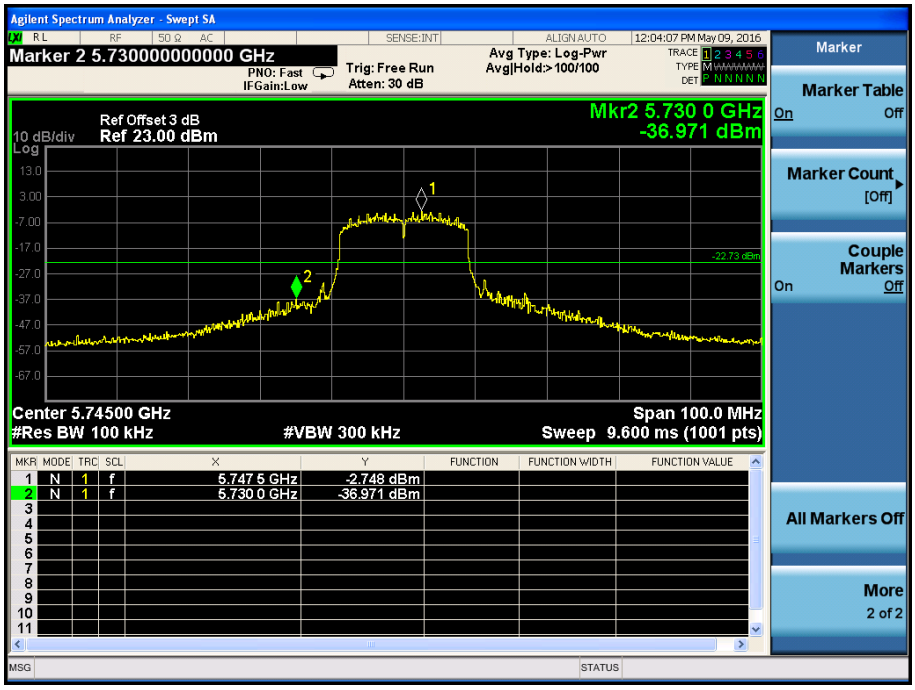

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.156500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 58/100
11:57:36 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 5.157 GHz
-32.054 dBm
-21.42 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

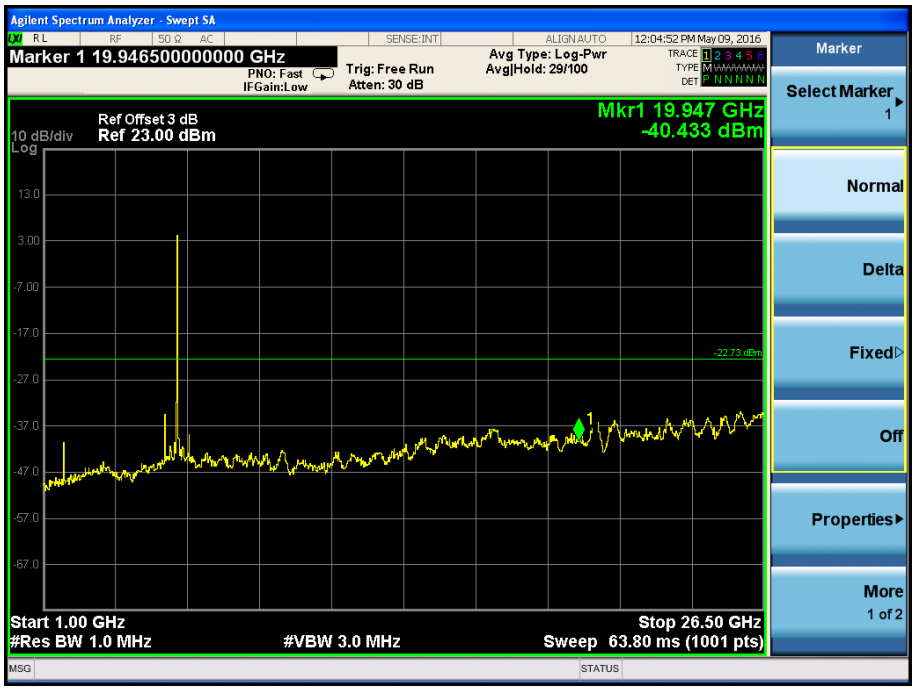
5700MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.700000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:59:36 AM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Mkr2 5.725 0 GHz
-44.026 dBm
-23.28 dBm
Center 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.702 5 GHz -3.279 dBm
2 N 1 f 5.725 0 GHz -44.026 dBm
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.650000000 GHz
Stop Freq
5.750000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

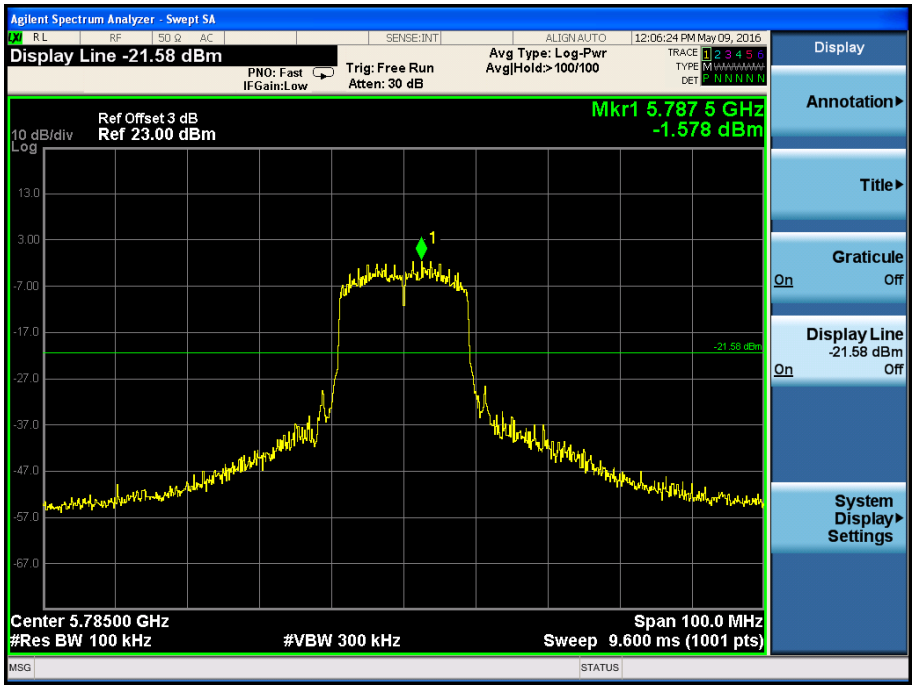

Agilent Spectrum Analyzer - Swept SA
RBW 1.0 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 26/100
12:00:22 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Mkr1 15.790 GHz
-40.422 dBm
-23.28 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
BW
Res BW
1.0 MHz
Auto
Man
Video BW
3.0 MHz
Auto
Man
VBW:3dB RBW
10.0
Auto
Man
Span:3dB RBW
106
Auto
Man
RBW Control
[Gaussian,-3 dB]

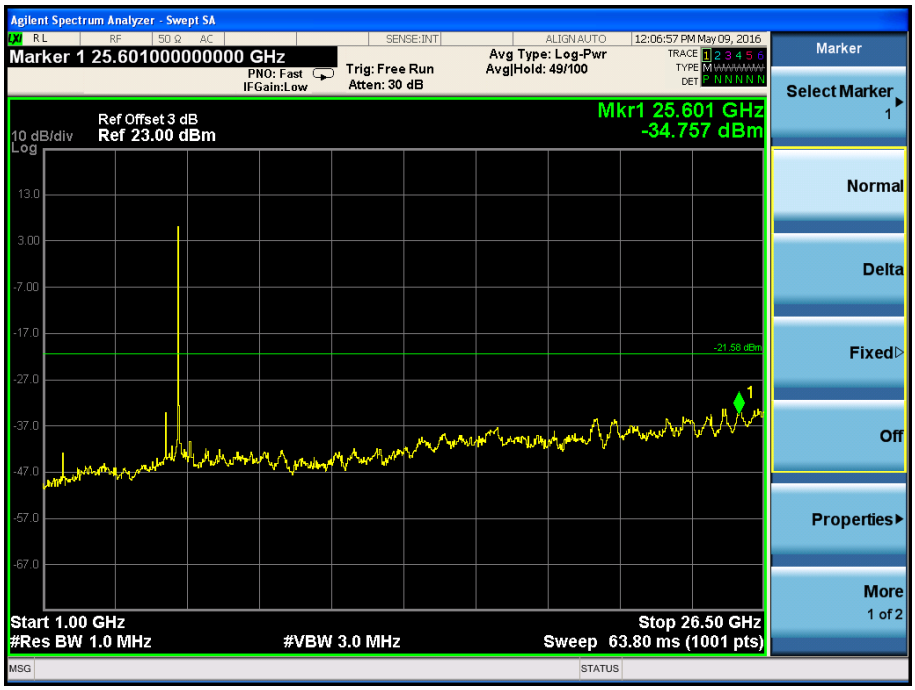
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.730000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:04:07 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.730 0 GHz
-36.971 dBm
-22.73 dBm
Center 5.74500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.747 5 GHz -2.748 dBm
2 N 1 f 5.730 0 GHz -36.971 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2

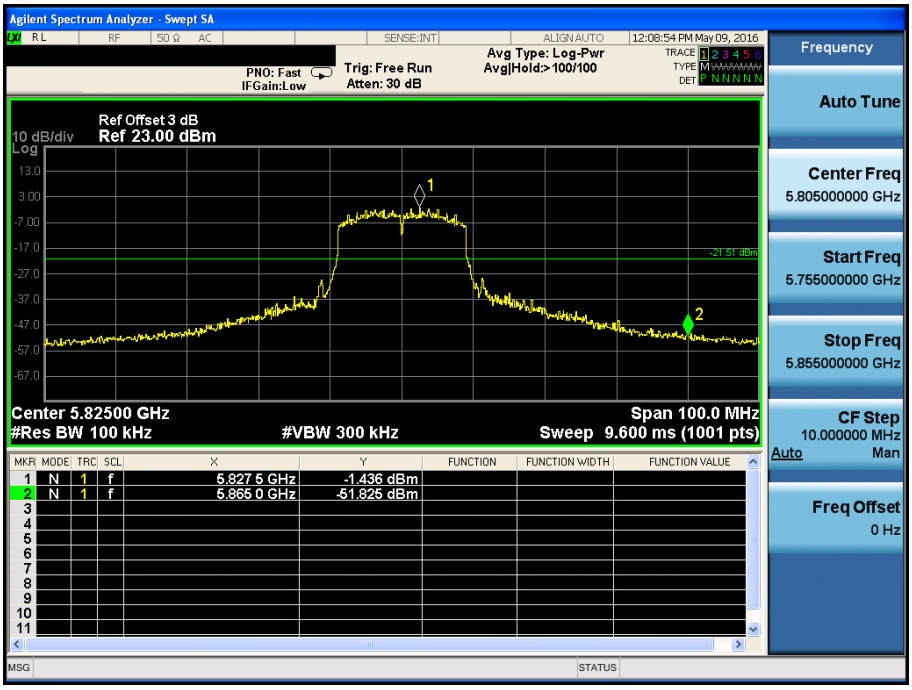

Agilent Spectrum Analyzer - Swept SA
Marker 1 19.946500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 29/100
12:04:52 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 19.947 GHz
-40.433 dBm
-22.73 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

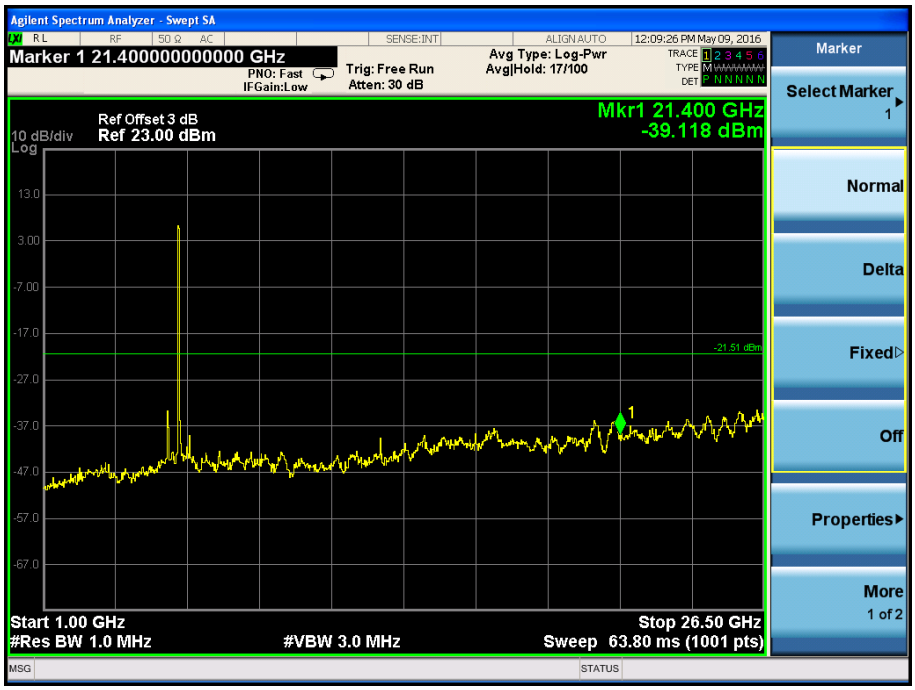
5785MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -21.58 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:06:24 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 5.787 5 GHz
-1.578 dBm
-21.58 dBm
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
Display
Annotation
Title
Graticule
On
Off
Display Line
-21.58 dBm
On
Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 25.601000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 49/100
12:06:57 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 25.601 GHz
-34.757 dBm
-21.58 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

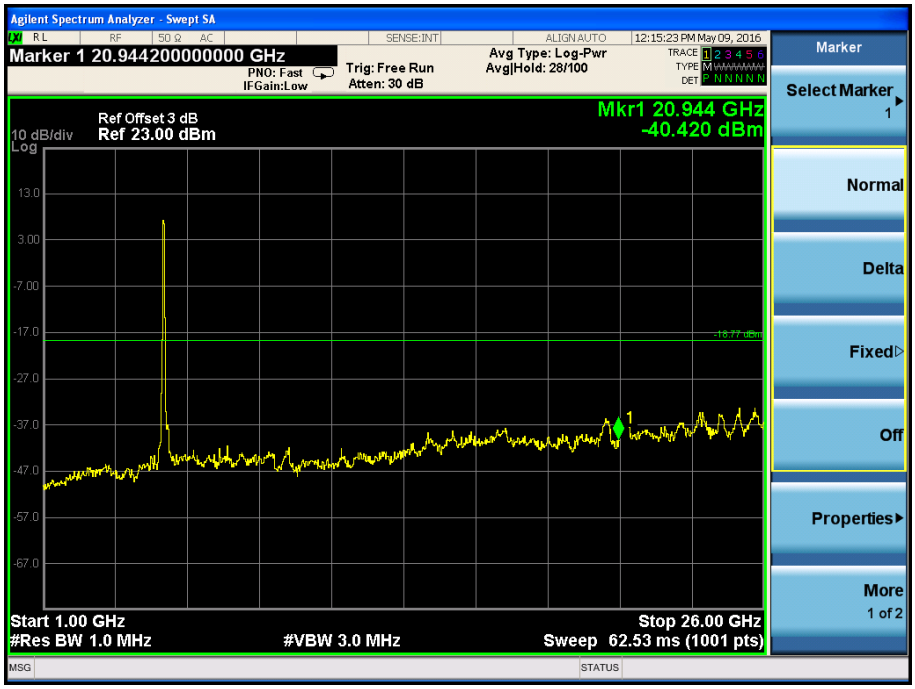
5825MHz


Agilent Spectrum Analyzer - Swept SA
12:08:54 PM May 09, 2016
Avg Type: Log-Pwr
Avg|Hold:>100/100
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
-21.51 dBm
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.827 5 GHz -1.436 dBm
2 N 1 f 5.865 0 GHz -51.825 dBm
Frequency
Auto Tune
Center Freq
5.805000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.855000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
12:09:26 PM May 09, 2016
Marker 1 21.400000000000 GHz
Avg Type: Log-Pwr
Avg|Hold: 17/100
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Mkr1 21.400 GHz
-39.118 dBm
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
-21.51 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.50 GHz
Sweep 63.80 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

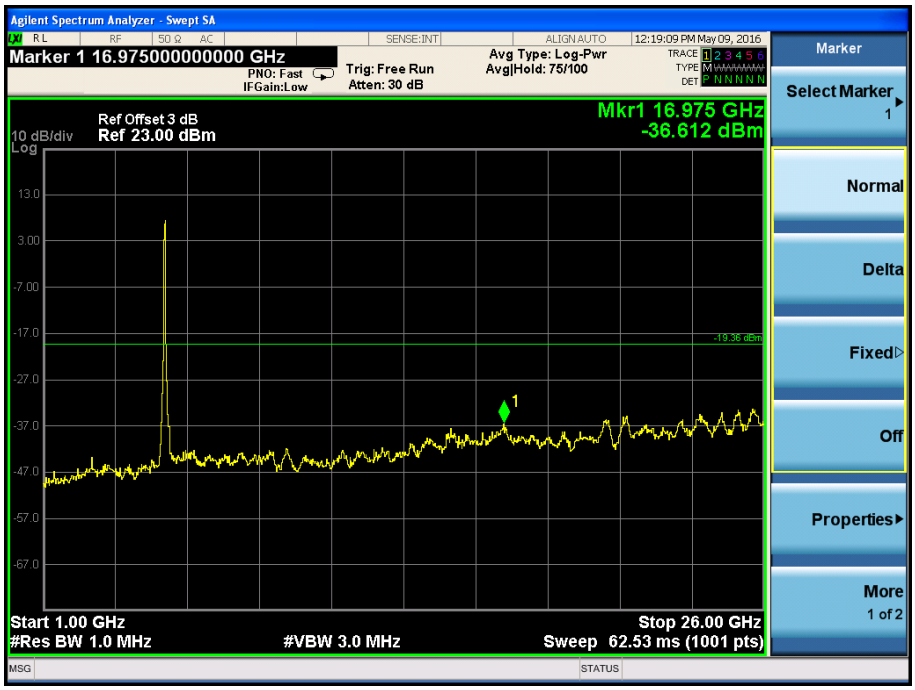
802.11n-HT40

5190MHz



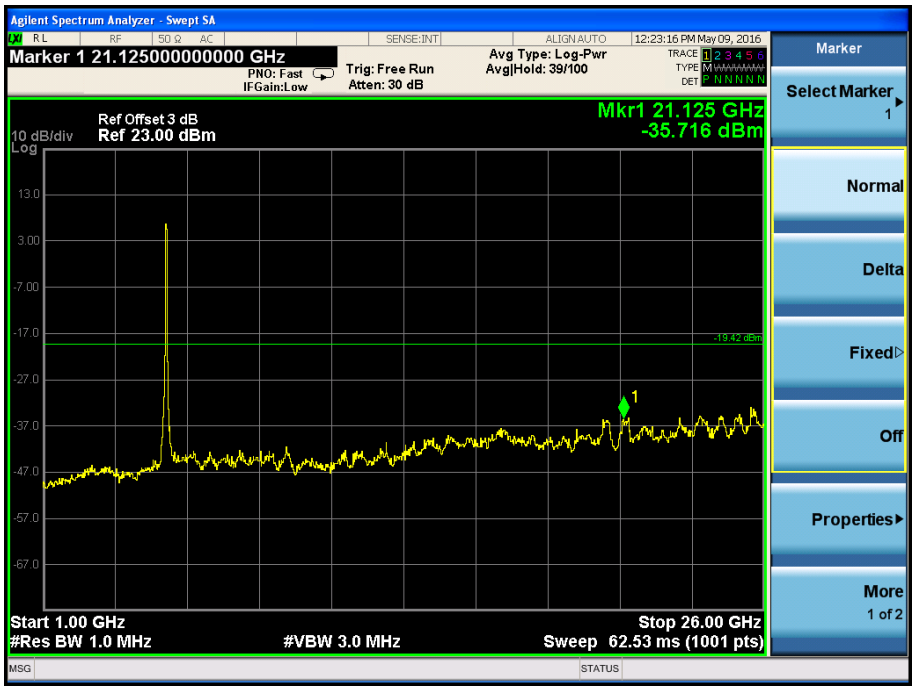
5230MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:18:15 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Mkr2 5.250 00 GHz
-21.986 dBm
Center 5.23000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
1 N 1 f 5.223 52 GHz 0.645 dBm
2 N 1 f 5.250 00 GHz -21.986 dBm
Marker
Marker Table
Marker Count
[Off]
Couple Markers
All Markers Off
More
2 of 2

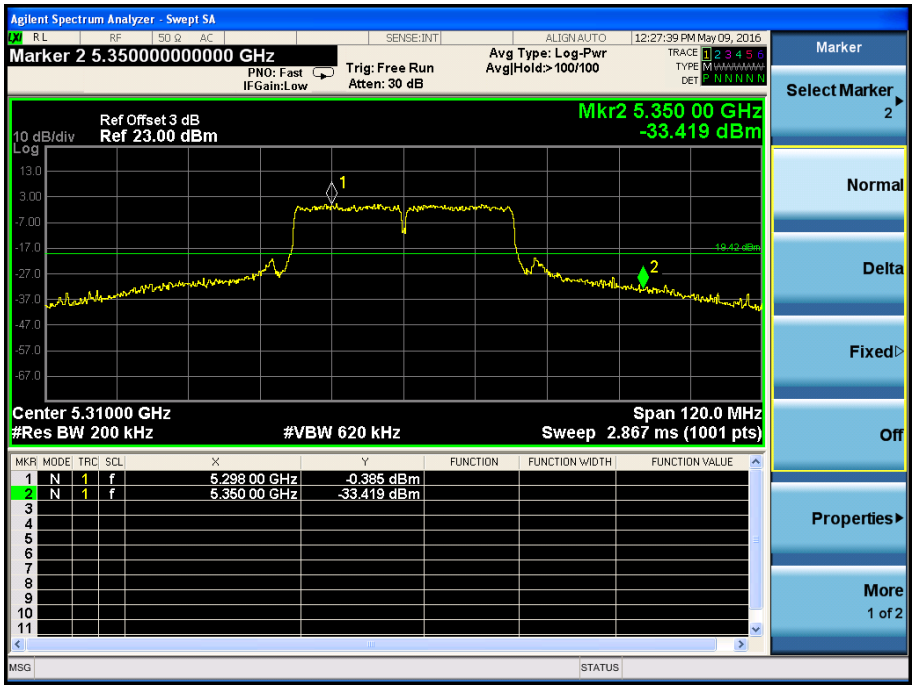

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.975000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 75/100
12:19:09 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Mkr1 16.975 GHz
-36.612 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2

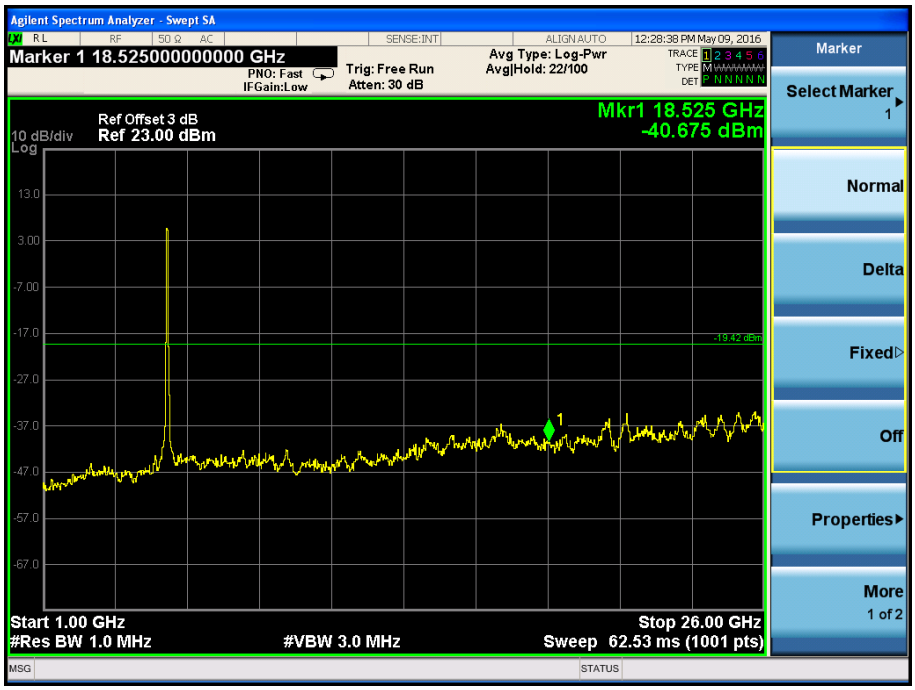
5270MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:22:25 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.250 00 GHz
-24.270 dBm
19.42 dBm
Center 5.27000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.258 84 GHz 0.578 dBm
2 N 1 f 5.250 00 GHz -24.270 dBm
MSG
STATUS
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2

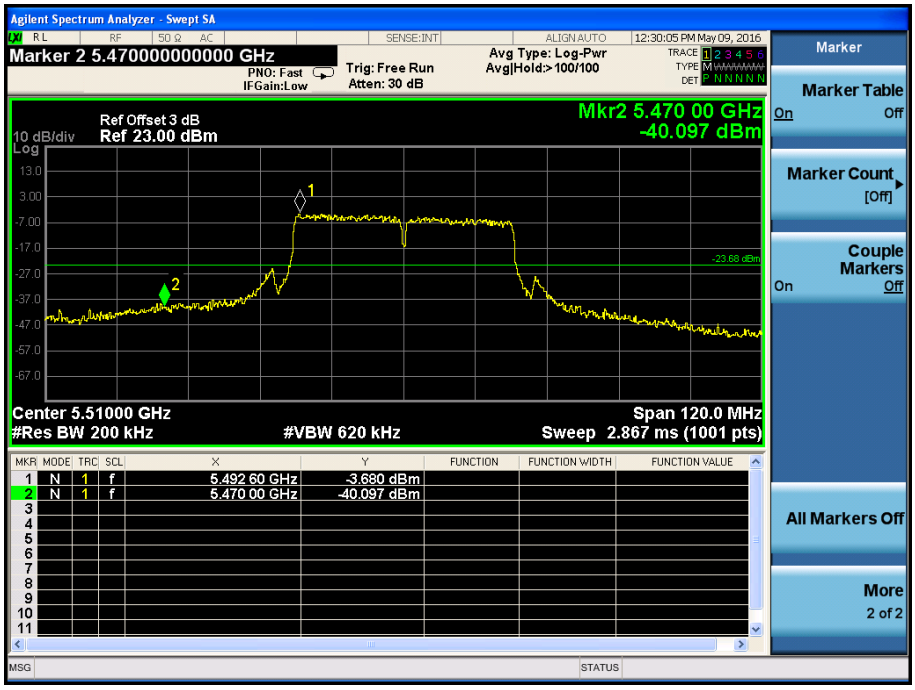

Agilent Spectrum Analyzer - Swept SA
Marker 1 21.125000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 39/100
12:23:16 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 21.125 GHz
-35.716 dBm
19.42 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
MSG
STATUS
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

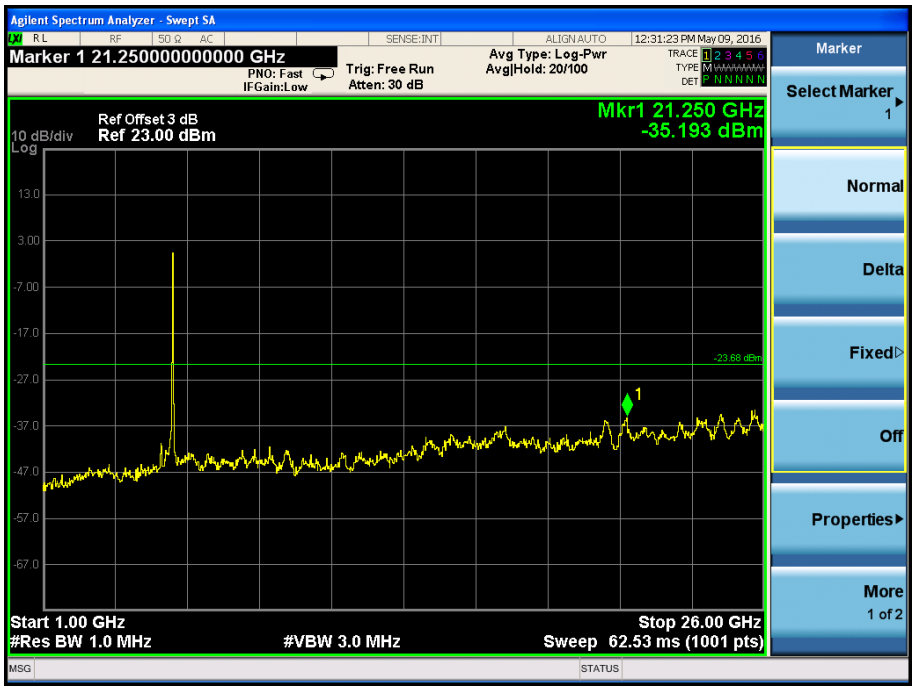
5310MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.350000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:27:39 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.350 00 GHz
-33.419 dBm
19.42 dBm
Center 5.31000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
1 N 1 f 5.298 00 GHz -0.385 dBm
2 N 1 f 5.350 00 GHz -33.419 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

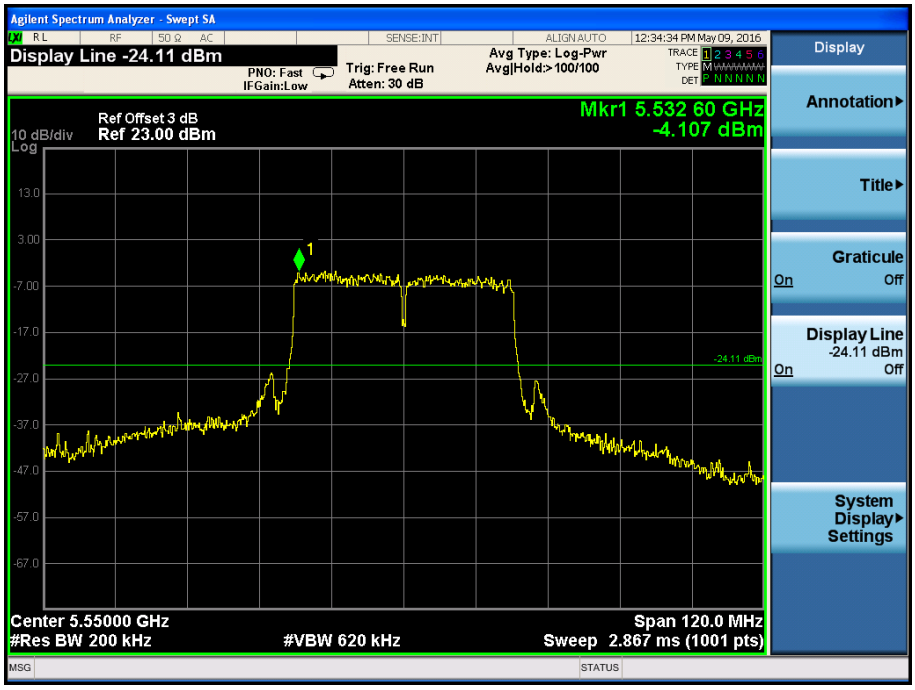

Agilent Spectrum Analyzer - Swept SA
Marker 1 18.525000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
12:28:38 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 18.525 GHz
-40.675 dBm
19.42 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

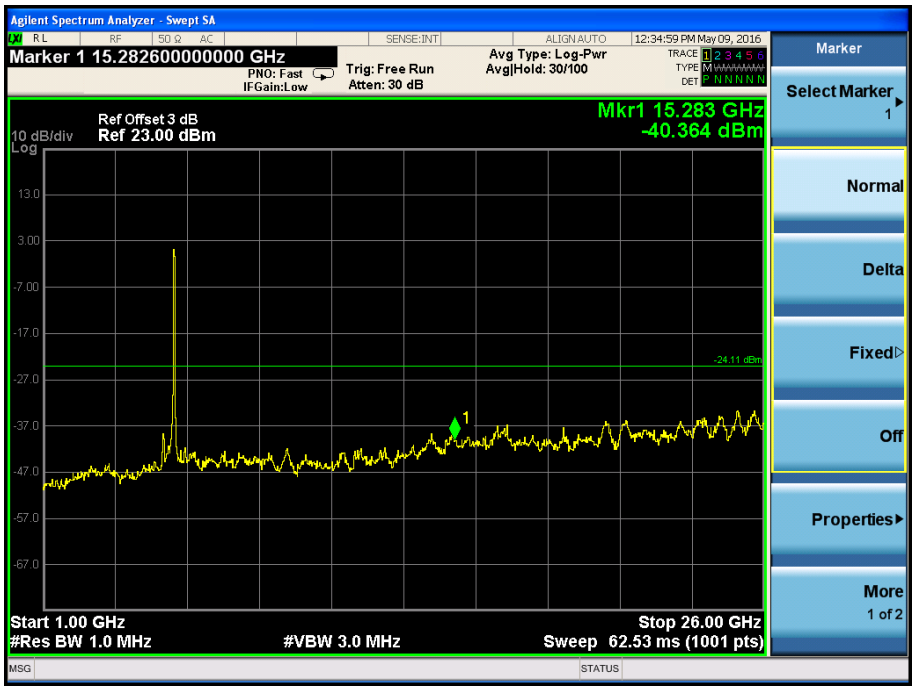
5510MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.470000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:30:05 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr2 5.470 00 GHz
-40.097 dBm
-23.68 dBm
Center 5.51000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
1 N 1 f 5.492 60 GHz -3.680 dBm
2 N 1 f 5.470 00 GHz -40.097 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2
MSG
STATUS

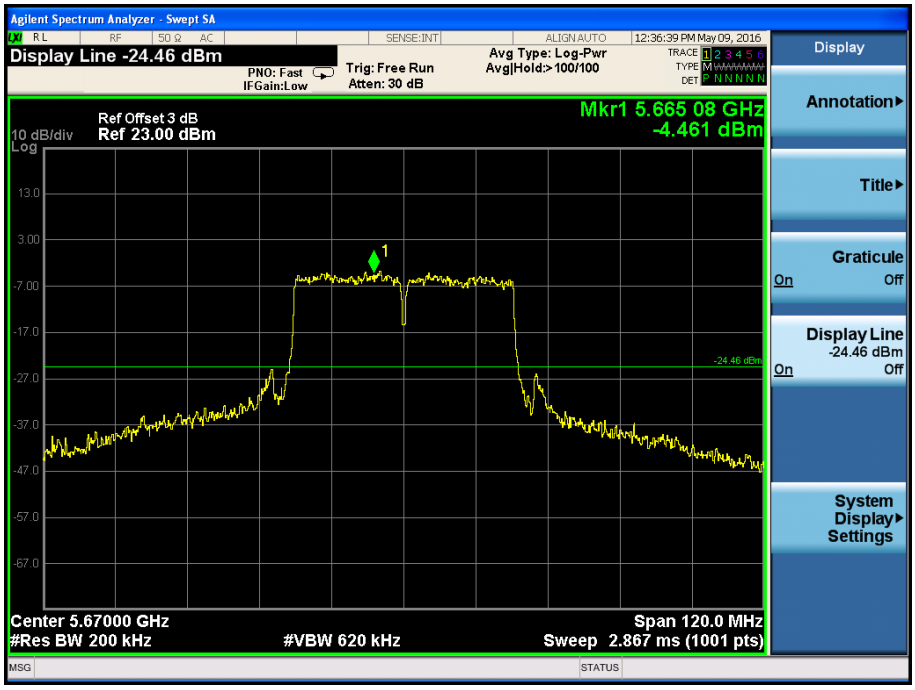

Agilent Spectrum Analyzer - Swept SA
Marker 1 21.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 20/100
12:31:23 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Ref 23.00 dBm
Log
Mkr1 21.250 GHz
-35.193 dBm
-23.68 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

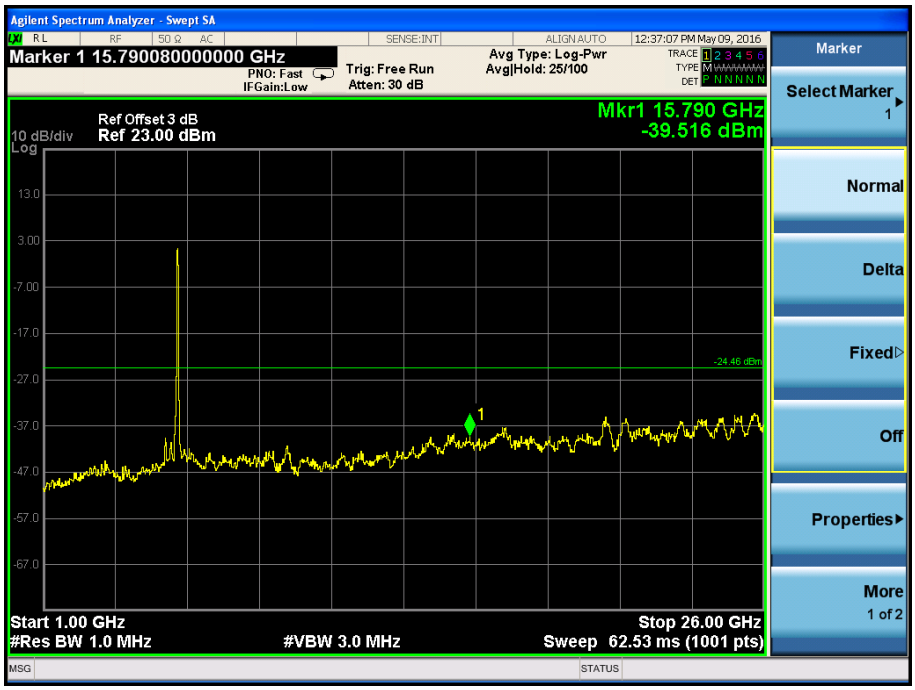
5550MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.11 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:34:34 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 5.532 60 GHz
-4.107 dBm
-24.11 dBm
Center 5.55000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
Display
Annotation
Title
Graticule
On Off
Display Line
-24.11 dBm
On Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 15.282600000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 30/100
12:34:59 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 15.283 GHz
-40.364 dBm
-24.11 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

5670MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.46 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:36:39 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 5.665 08 GHz
-4.461 dBm
-24.46 dBm
Center 5.67000 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 120.0 MHz
Sweep 2.867 ms (1001 pts)
Display
Annotation
Title
Graticule
On Off
Display Line
-24.46 dBm
On Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 15.790080000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 25/100
12:37:07 PM May 09, 2016
Ref Offset 3 dB
10 dB/div
Log
Ref 23.00 dBm
Mkr1 15.790 GHz
-39.516 dBm
-24.46 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS