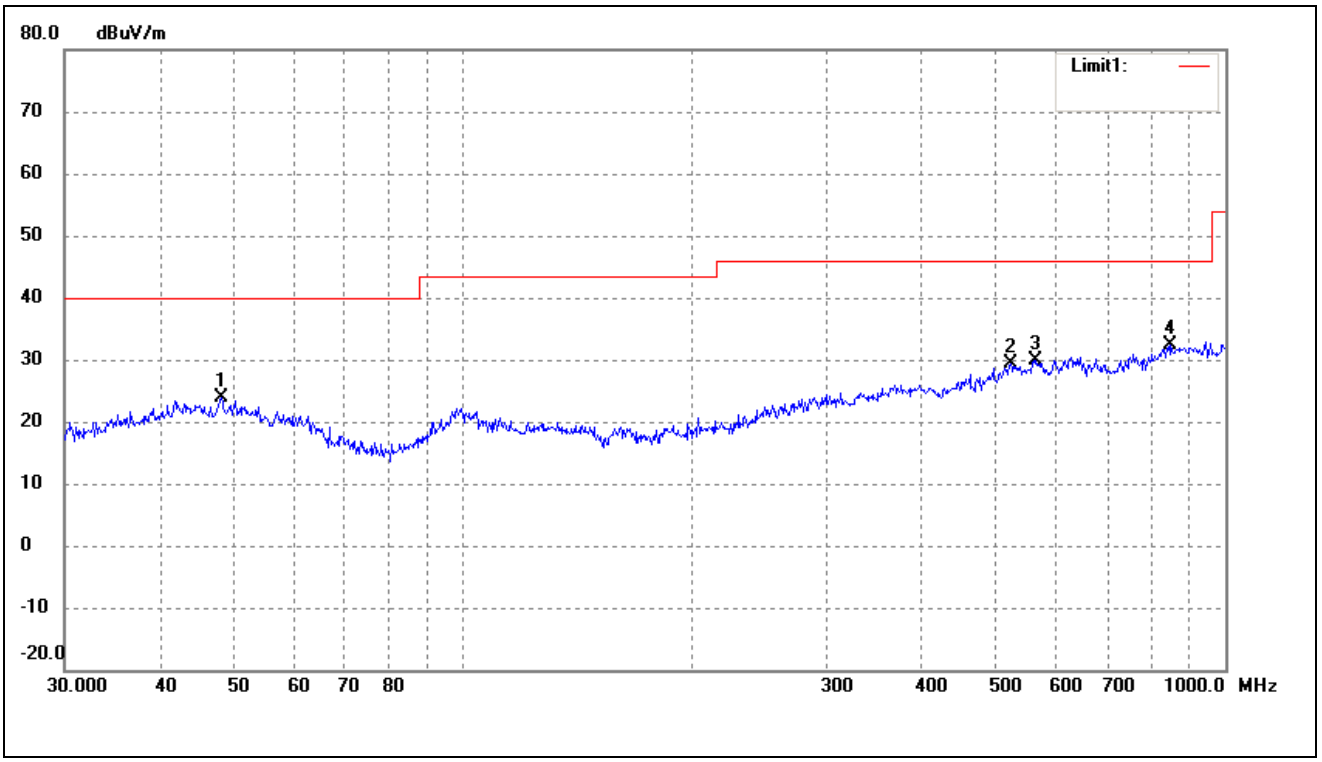
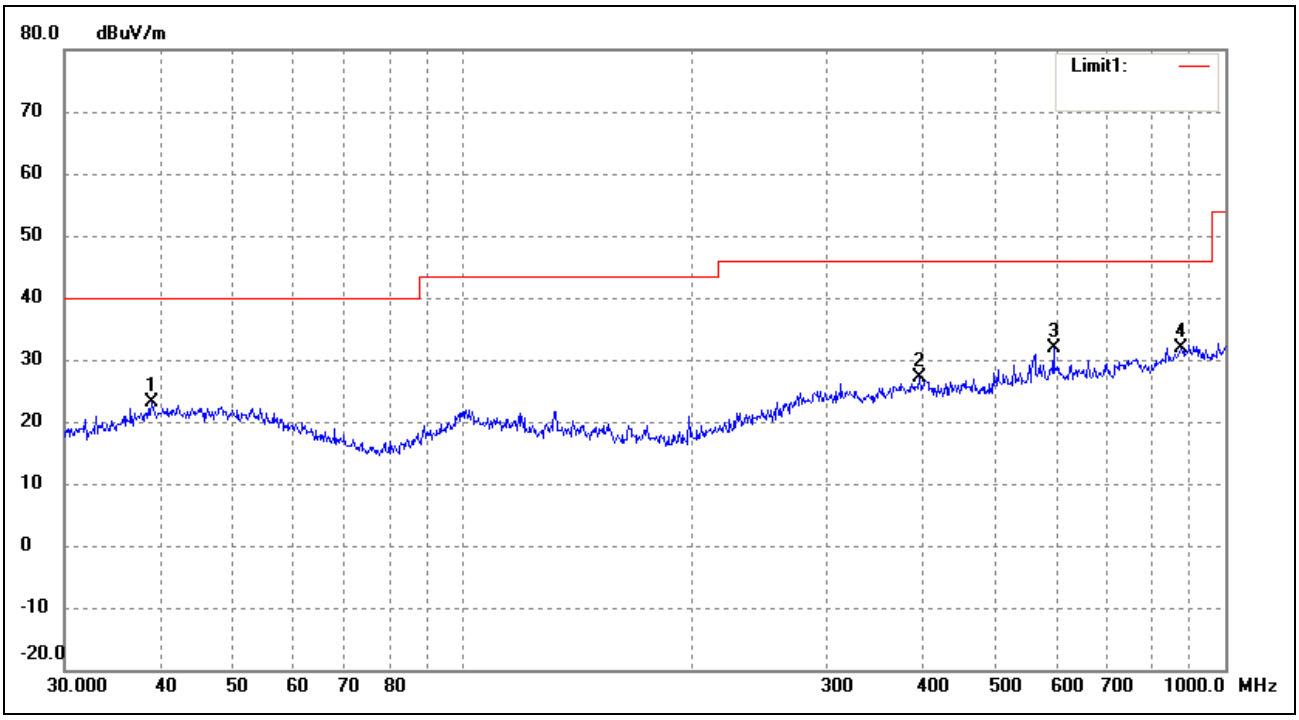
Test Specification: *Vertical*



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

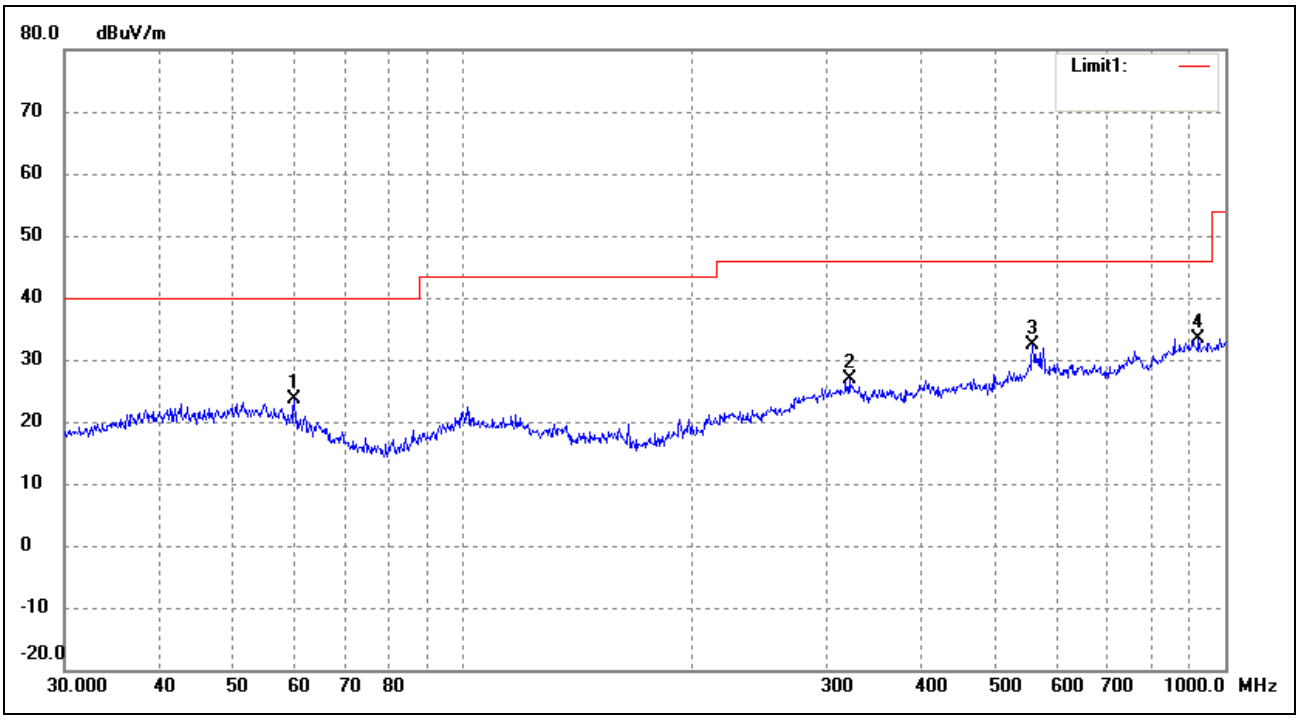
Test mode: Transmitting Channel 5200MHz

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

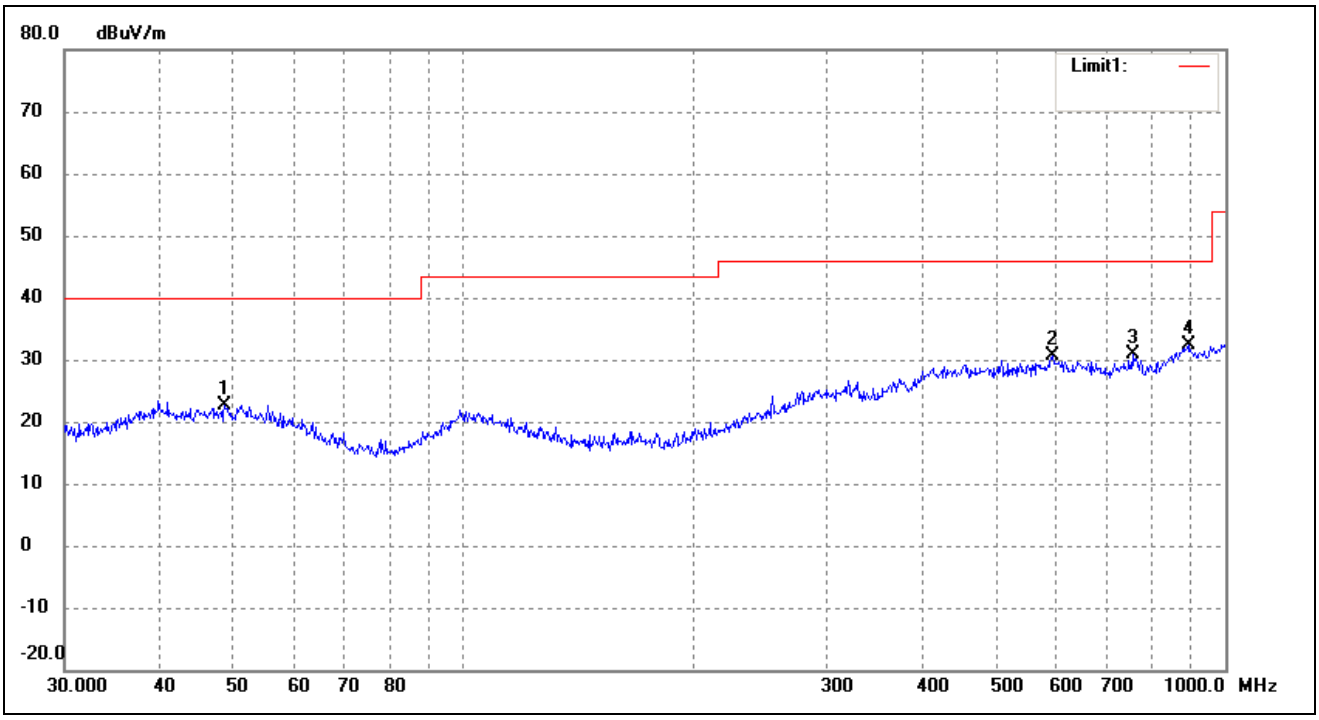
Test Specification: *Vertical*



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

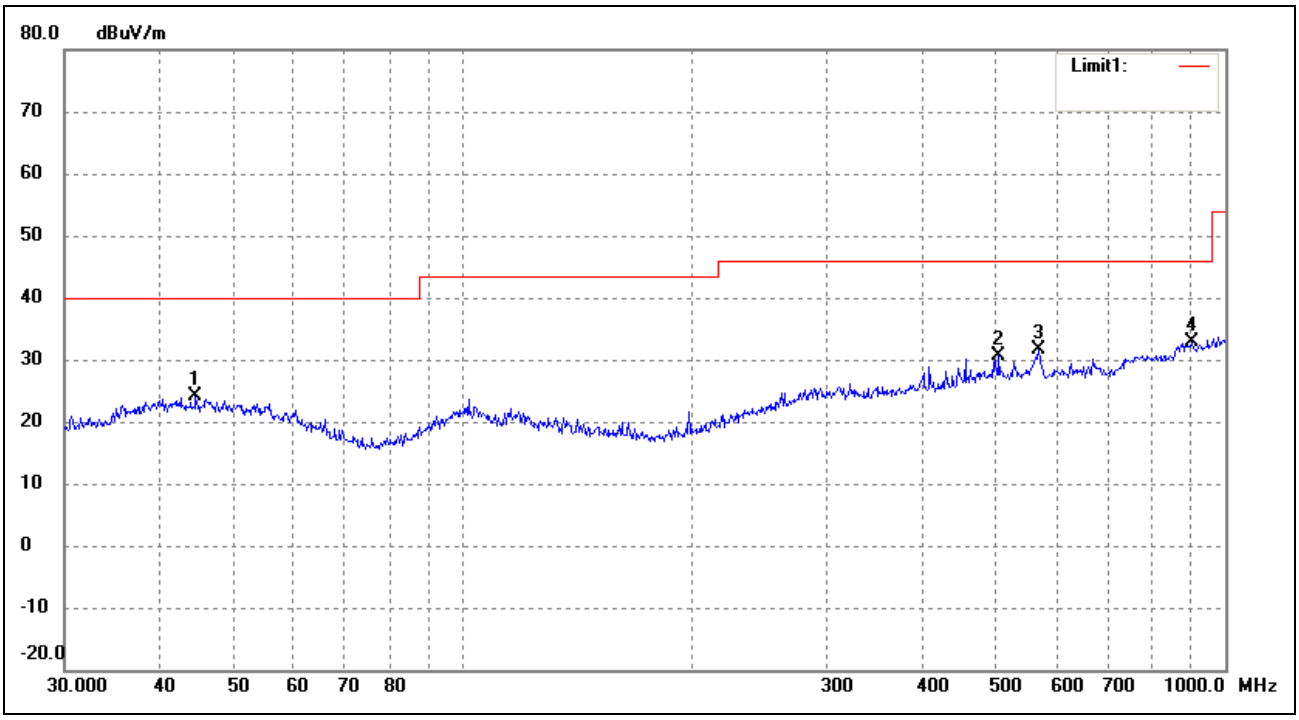
Test mode: Transmitting Channel 5220MHz

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

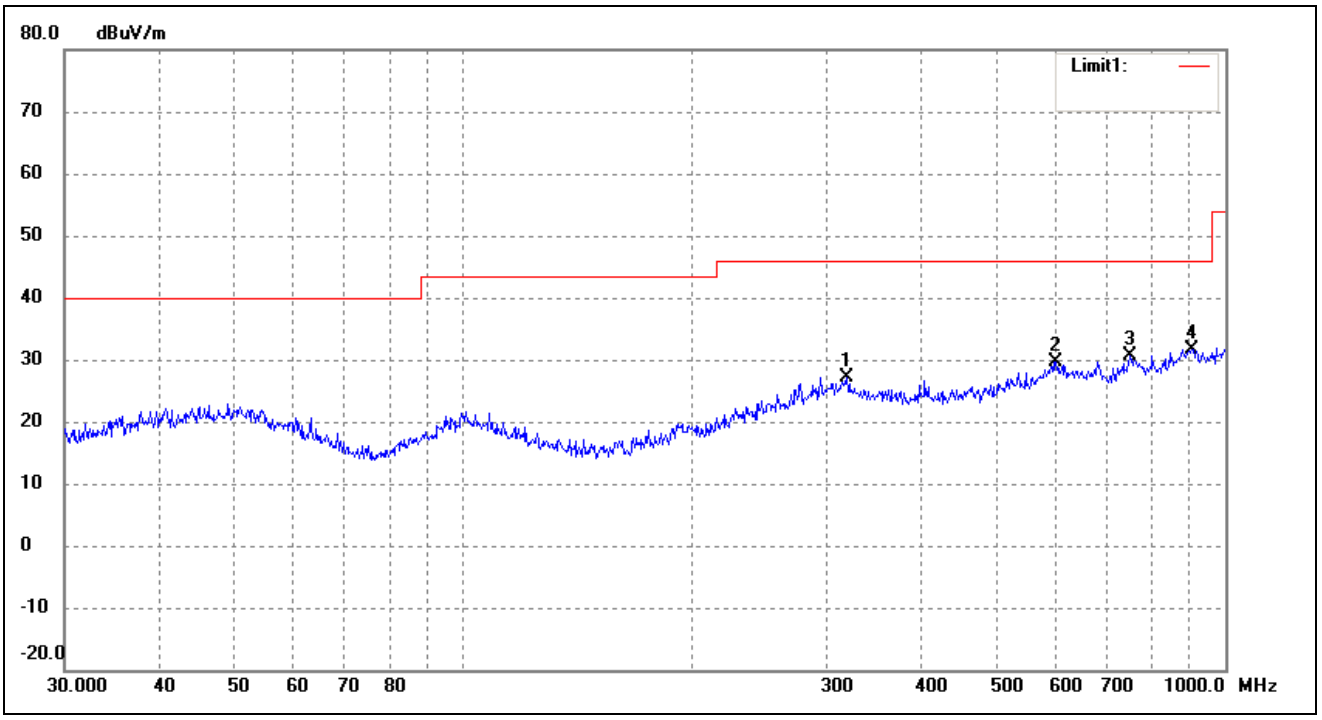
Test Specification: *Vertical*



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

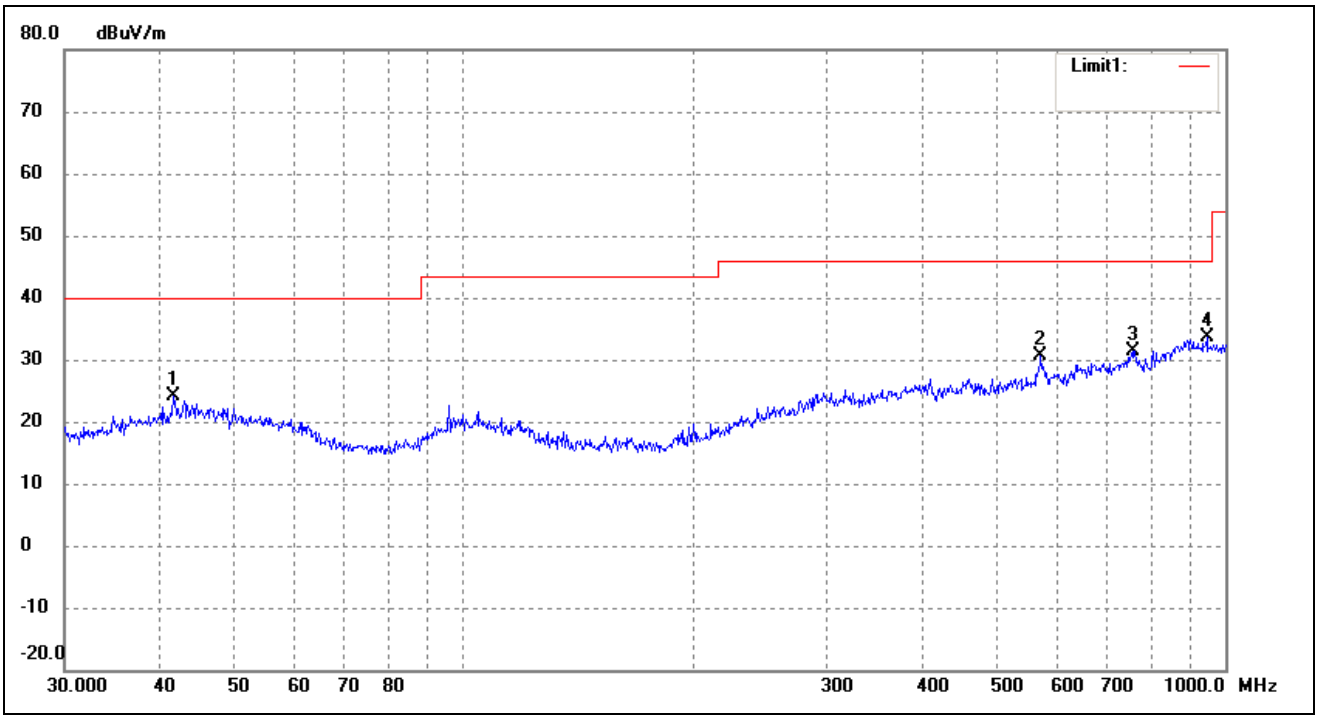
Test mode: Transmitting Channel 5745MHz

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

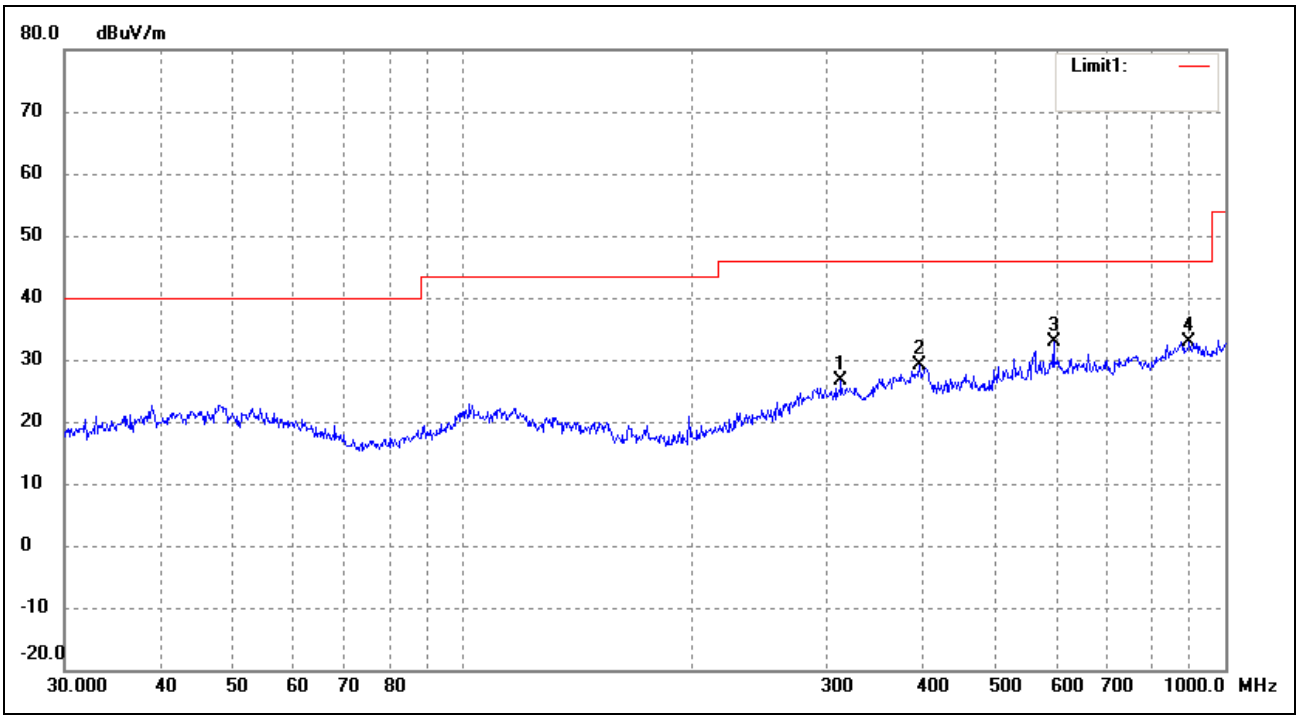
Test Specification: *Vertical*



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

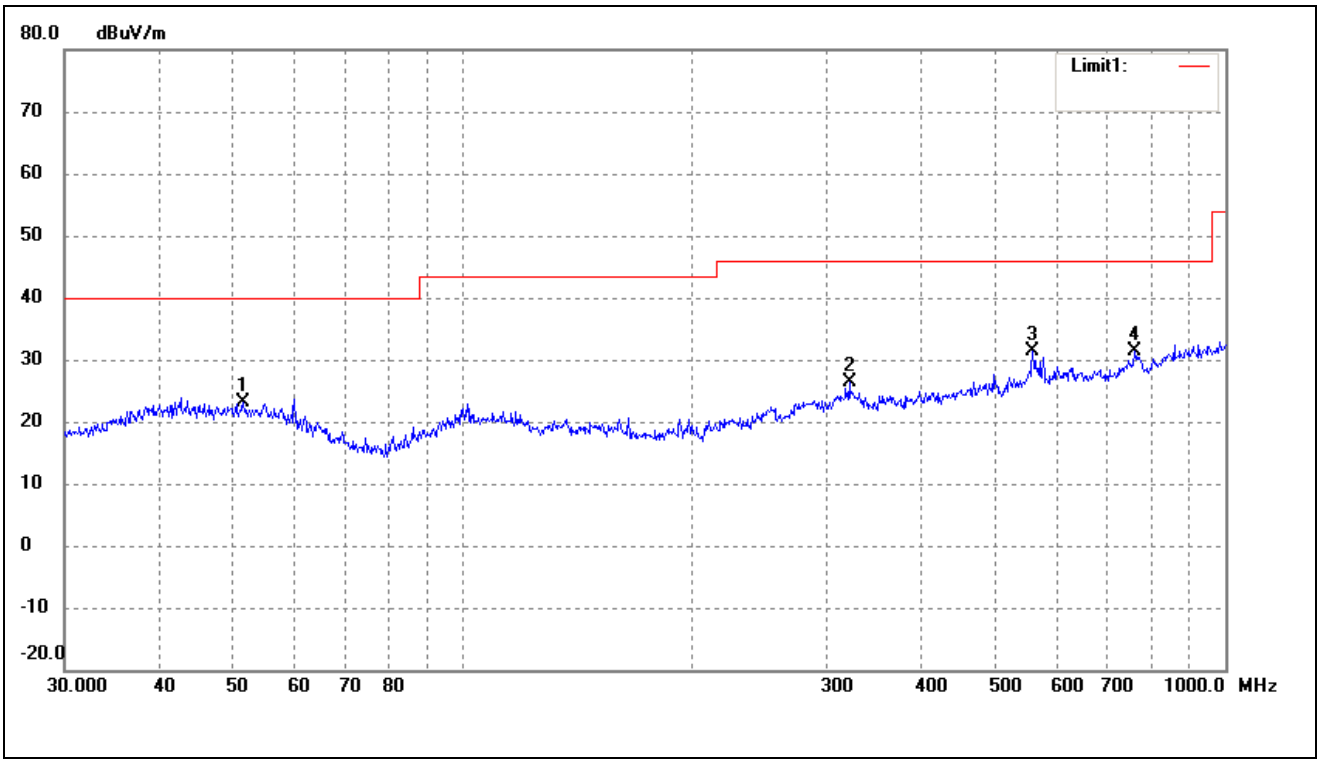
Test mode: Transmitting Channel 5785MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	313.2760	17.44	9.25	26.69	46.00	-19.31	99	100	peak
2	396.2413	19.29	9.95	29.24	46.00	-16.76	157	100	peak
3	595.1326	19.85	13.14	32.99	46.00	-13.01	216	200	peak
4	896.9963	16.12	16.85	32.97	46.00	-13.03	267	200	peak

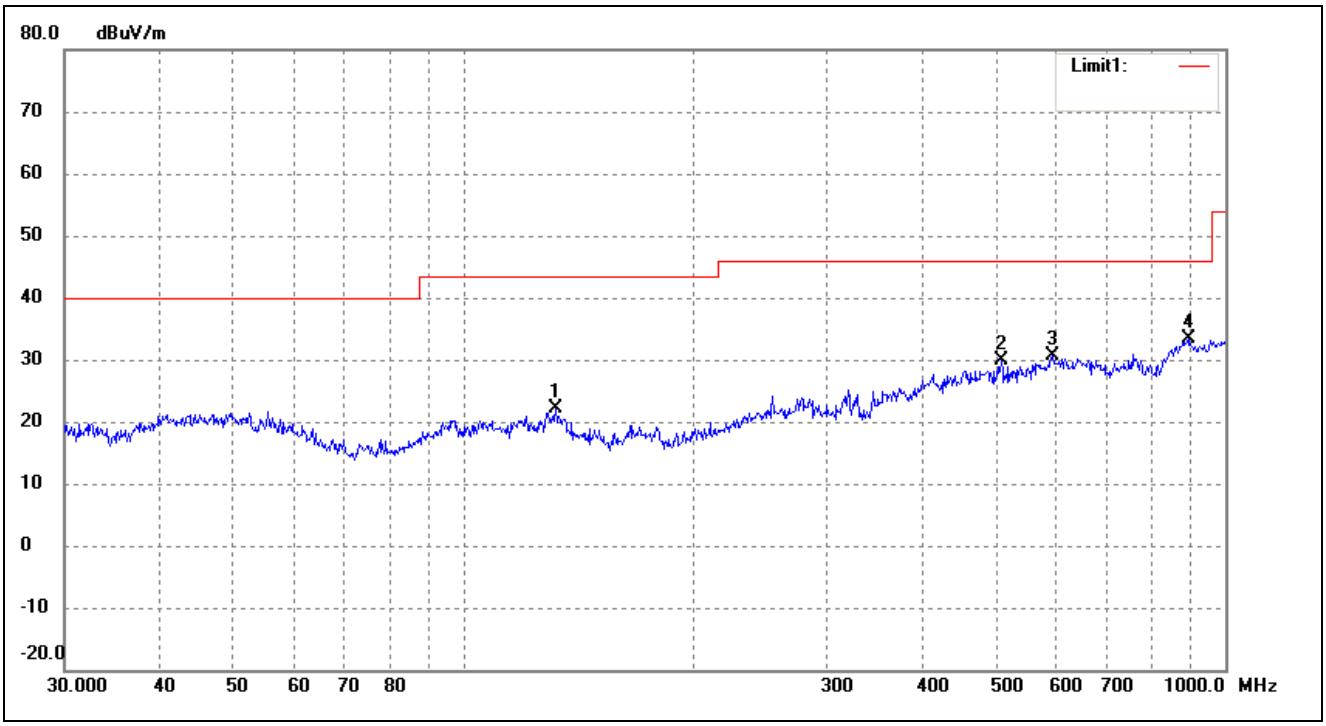
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	51.4806	16.91	6.14	23.05	40.00	-16.95	46	100	peak
2	321.0606	17.17	9.26	26.43	46.00	-19.57	135	100	peak
3	558.7300	19.75	11.52	31.27	46.00	-14.73	168	100	peak
4	760.7036	16.80	14.61	31.41	46.00	-14.59	225	100	peak

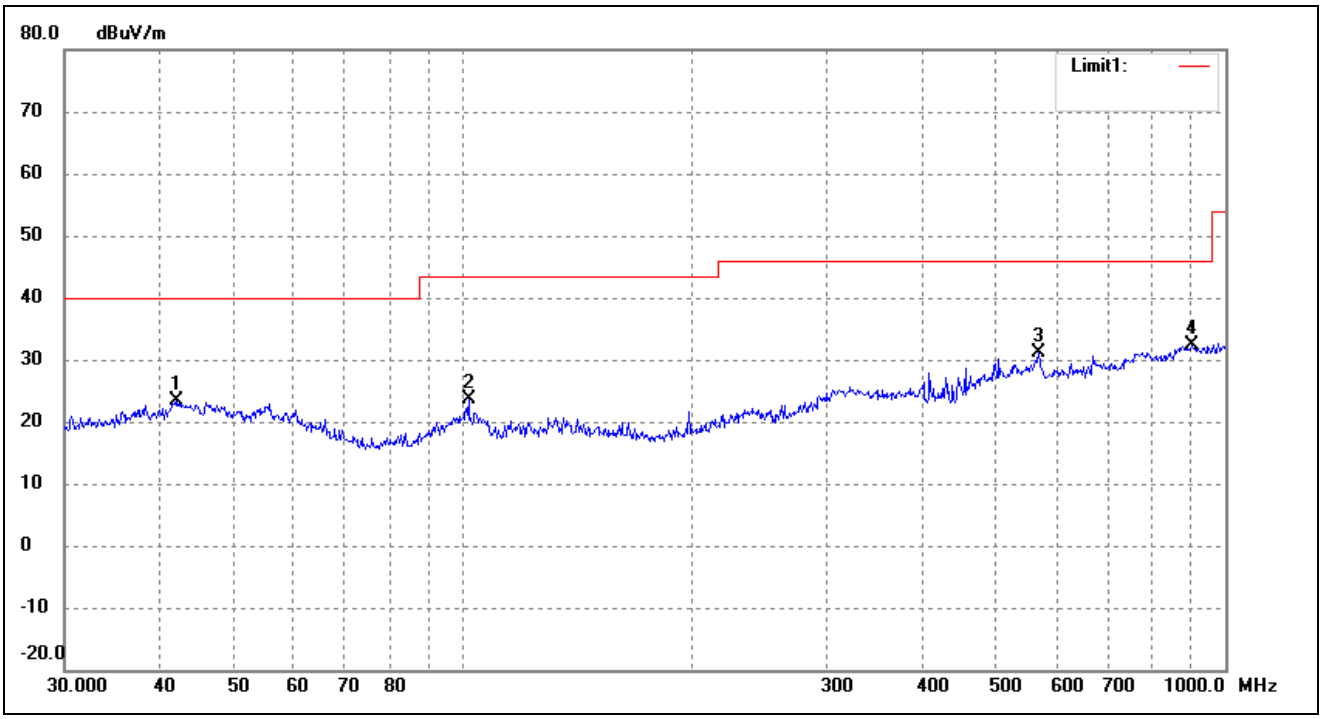
Test mode: Transmitting Channel 5825MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	132.2204	18.99	3.03	22.02	43.50	-21.48	76	100	peak
2	508.2581	18.81	11.07	29.88	46.00	-16.12	165	100	peak
3	593.0497	17.45	13.06	30.51	46.00	-15.49	199	100	peak
4	893.8567	16.46	16.85	33.31	46.00	-12.69	228	100	peak

Test Specification: *Vertical*



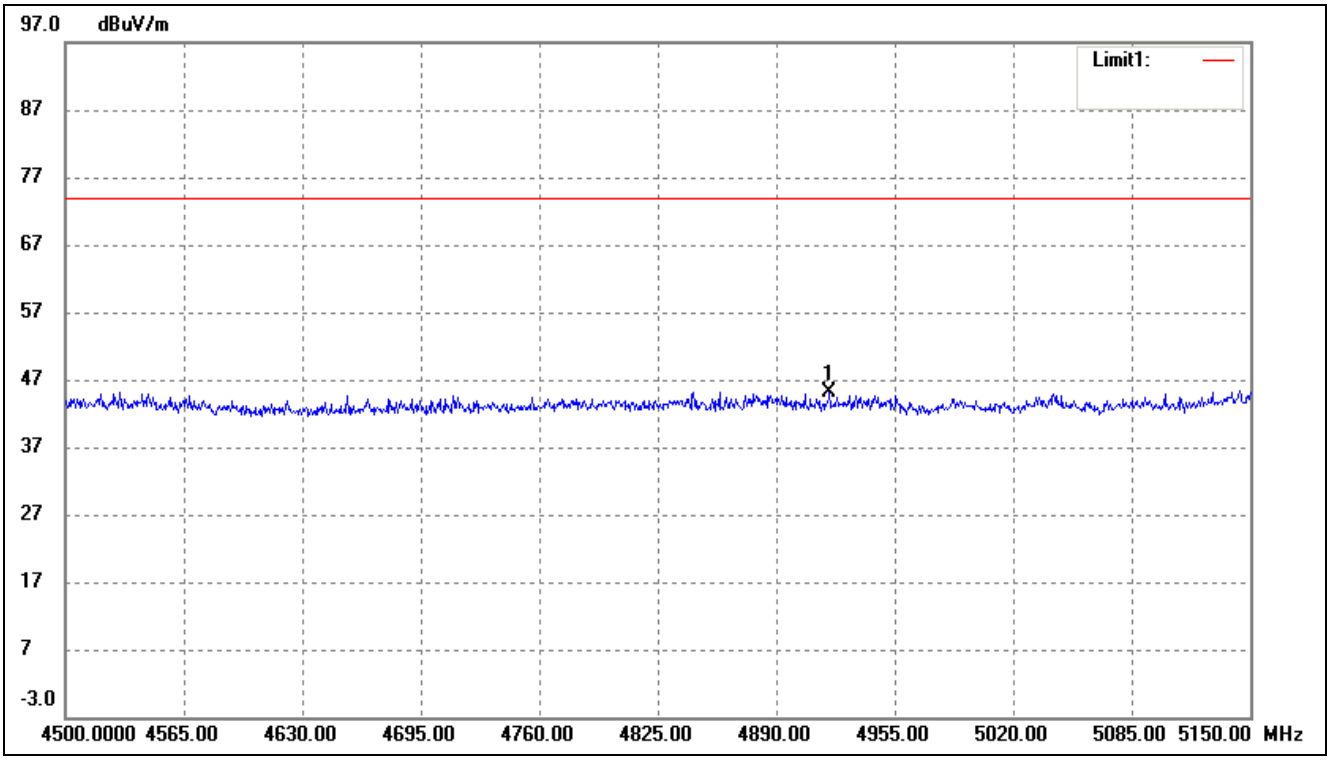
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	42.1542	14.73	8.60	23.33	40.00	-16.67	33	100	peak
2	101.6443	17.58	5.95	23.53	43.50	-19.97	82	100	peak
3	568.6127	19.04	11.98	31.02	46.00	-14.98	157	100	peak
4	903.3093	15.49	16.79	32.28	46.00	-13.72	252	100	peak

802.11n HT20

Spurious Emission above 1GHz

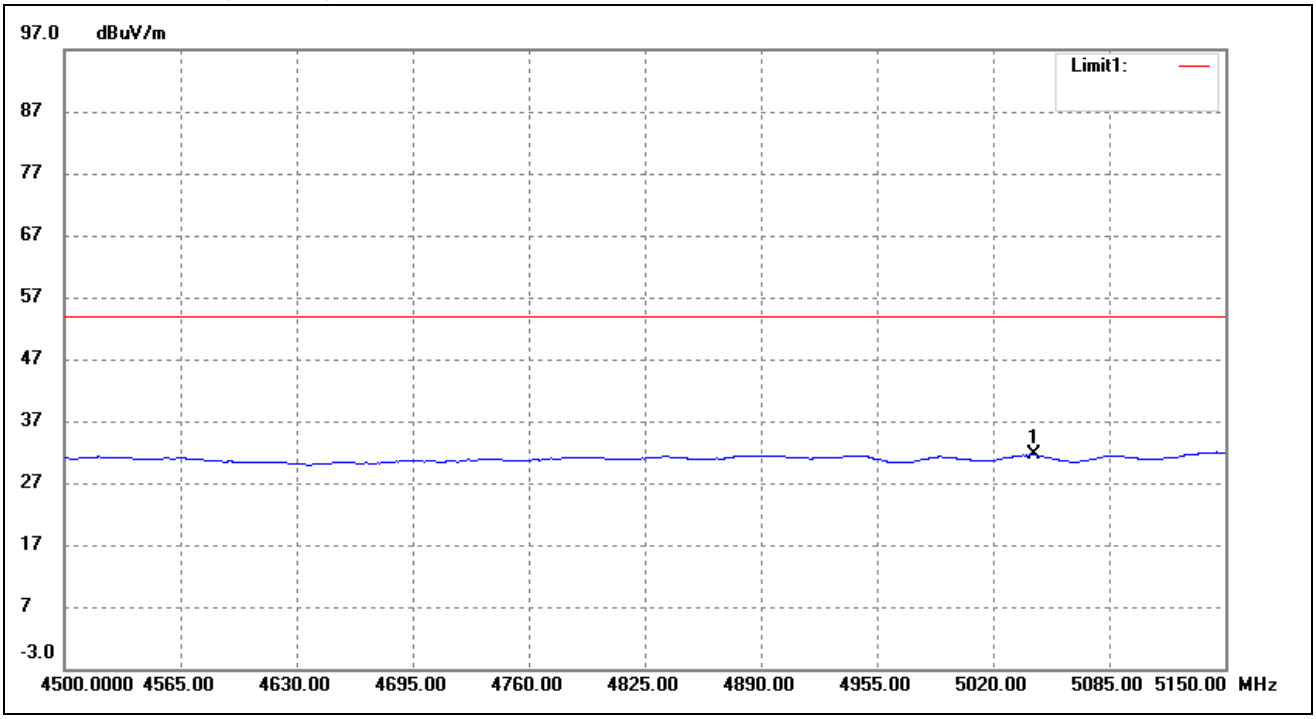
For the frequency band 5.15-5.25GHz(802.11n HT20)

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	4919.250	45.89	-0.69	45.20	74.00	-28.80	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	5042.750	31.94	-0.38	31.56	54.00	-22.44	55	100	Ave

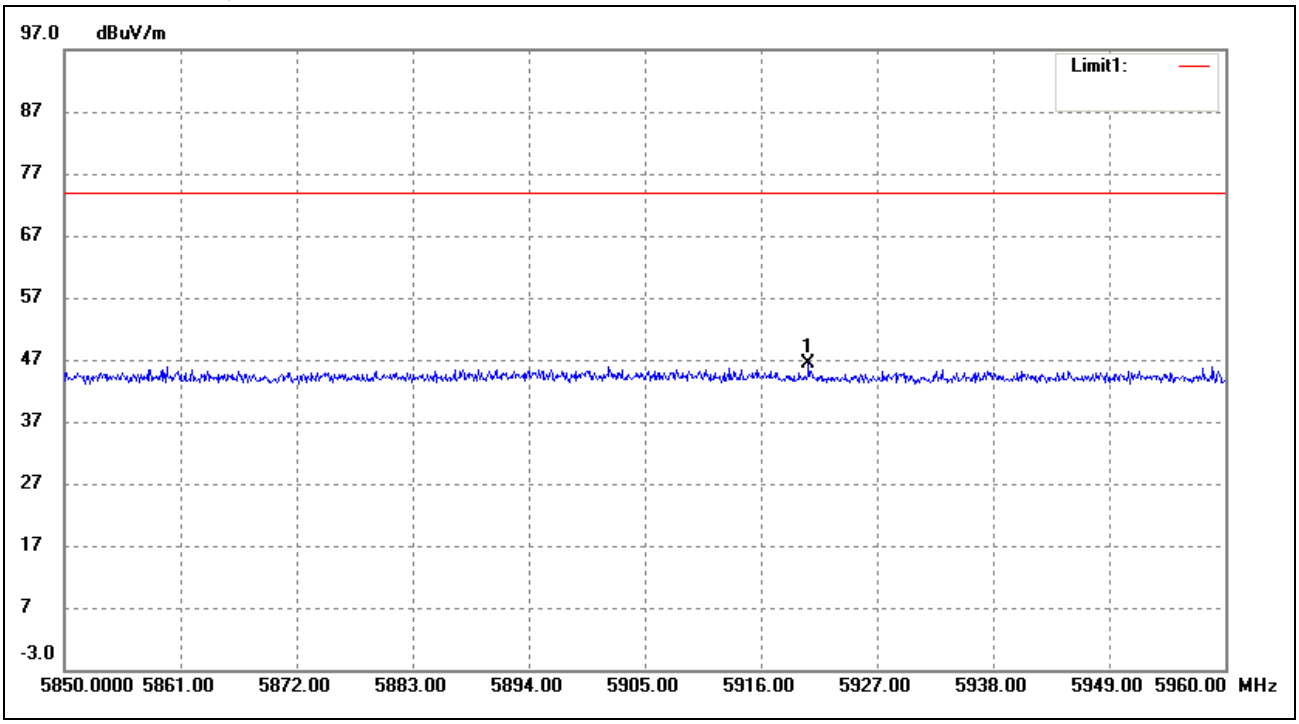
Note: this EUT was tested in the low, high channel and the worst case position data was reported.

Restricted Band, 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

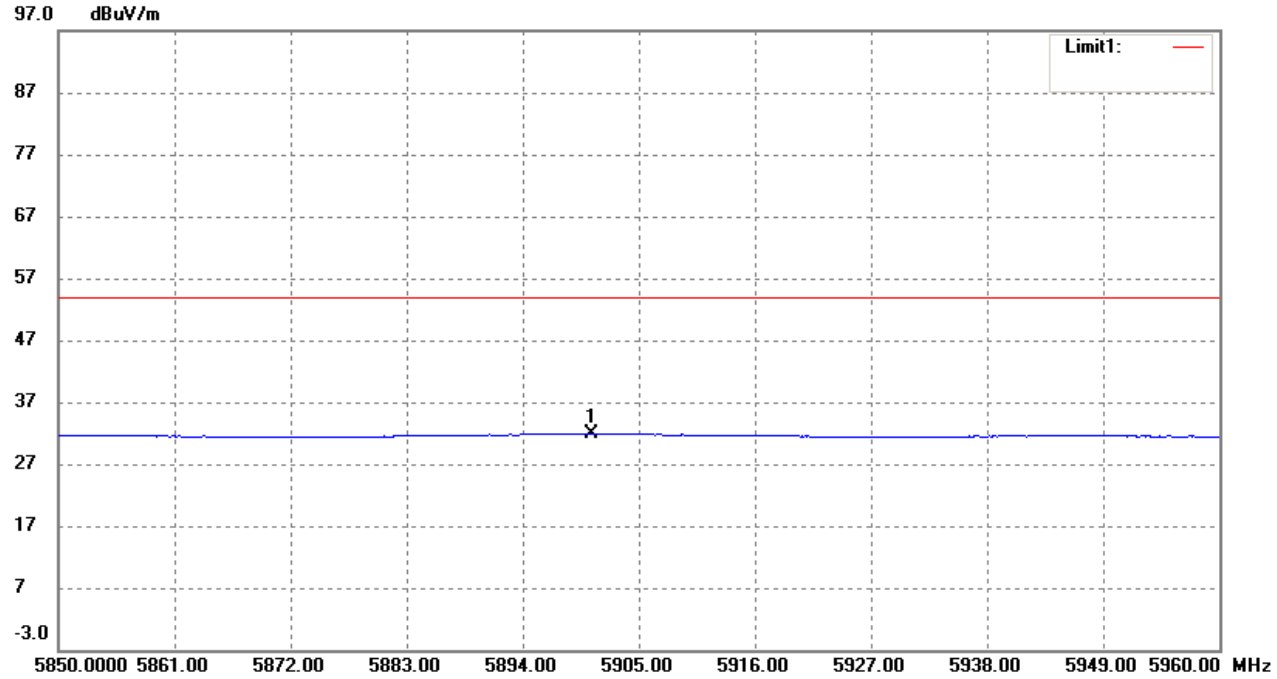
For the frequency band 5.725-5.825GHz (802.11n HT20)

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	5920.510	45.75	0.69	46.44	74.00	-27.56	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	5900.490	31.22	0.64	31.86	54.00	-22.14	55	100	Ave

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

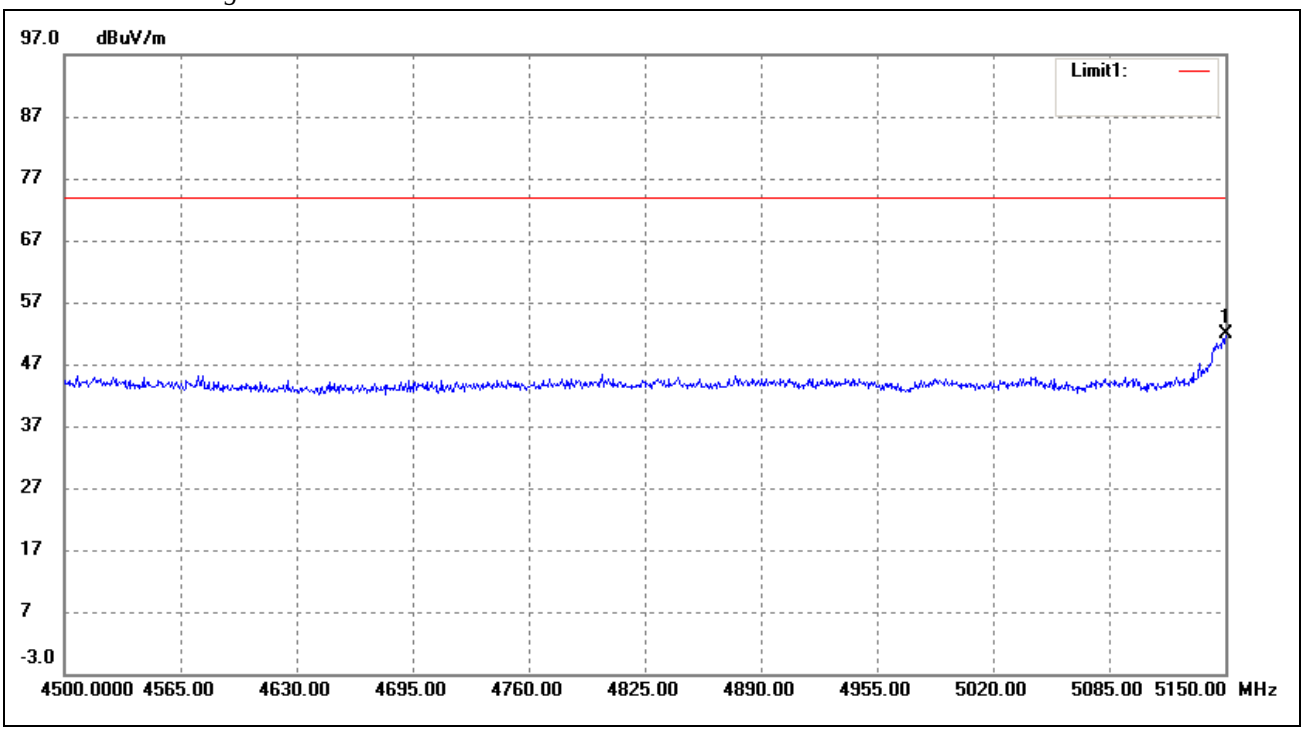
Restricted Band, Hormonics And Spurious Emissions

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	48.5	360	V	38.9	9.8	40.1	57.1	74	-16.9
11450	PK	49.3	360	H	38.9	9.8	40.1	57.9	74	-16.1
11450	AV	31.1	360	V	38.9	9.8	40.1	39.7	54	-14.3
11450	AV	31.3	360	H	38.9	9.8	40.1	39.9	54	-14.1
High Channel (5825MHz)										
11610	PK	48.9	360	V	38.9	9.8	40.1	57.5	74	-16.5
11610	PK	48.5	360	H	38.9	9.8	40.1	57.1	74	-16.9
11610	AV	32.2	360	V	38.9	9.8	40.1	40.8	54	-13.2
11610	AV	31.4	360	H	38.9	9.8	40.1	40.0	54	-14.0

802.11n HT40

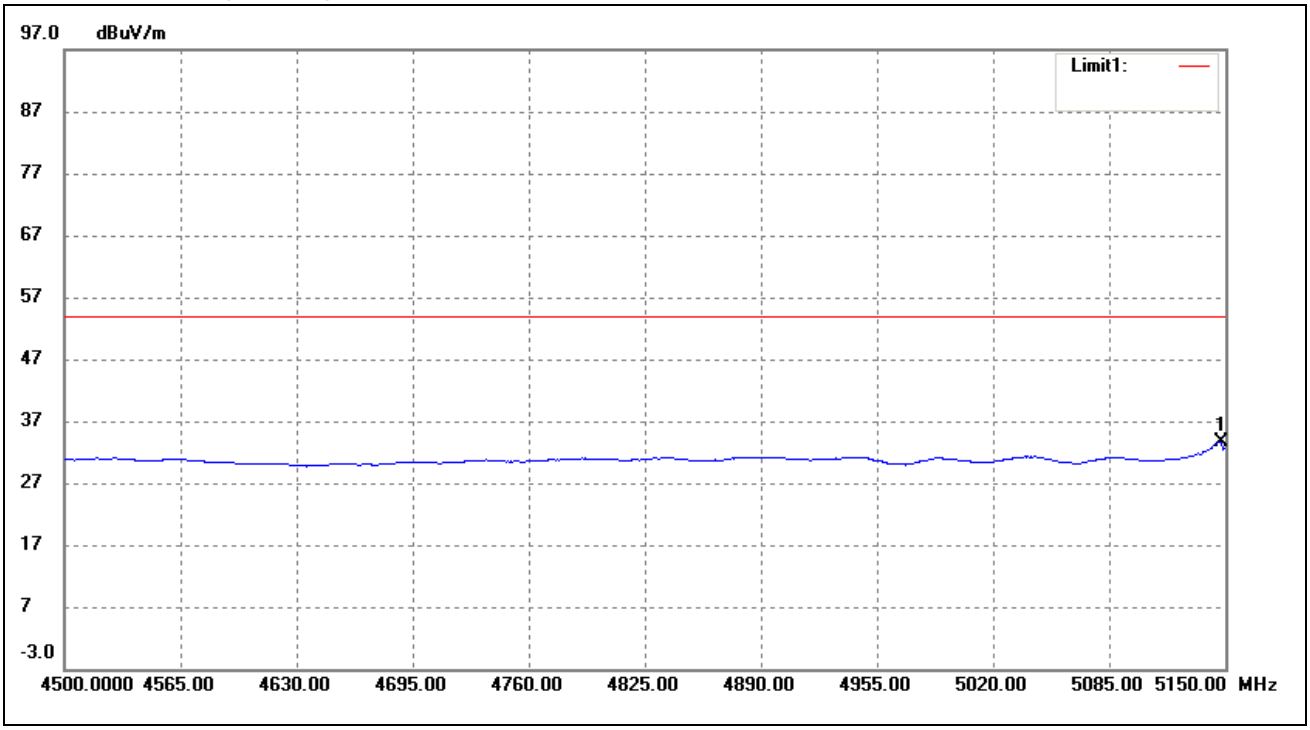
For the frequency band 5.15-5.25GHz(802.11n HT40)

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	5150.000	52.07	-0.13	51.94	74.00	-22.06	345	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	5147.400	33.87	-0.14	33.73	54.00	-20.27	345	100	Ave

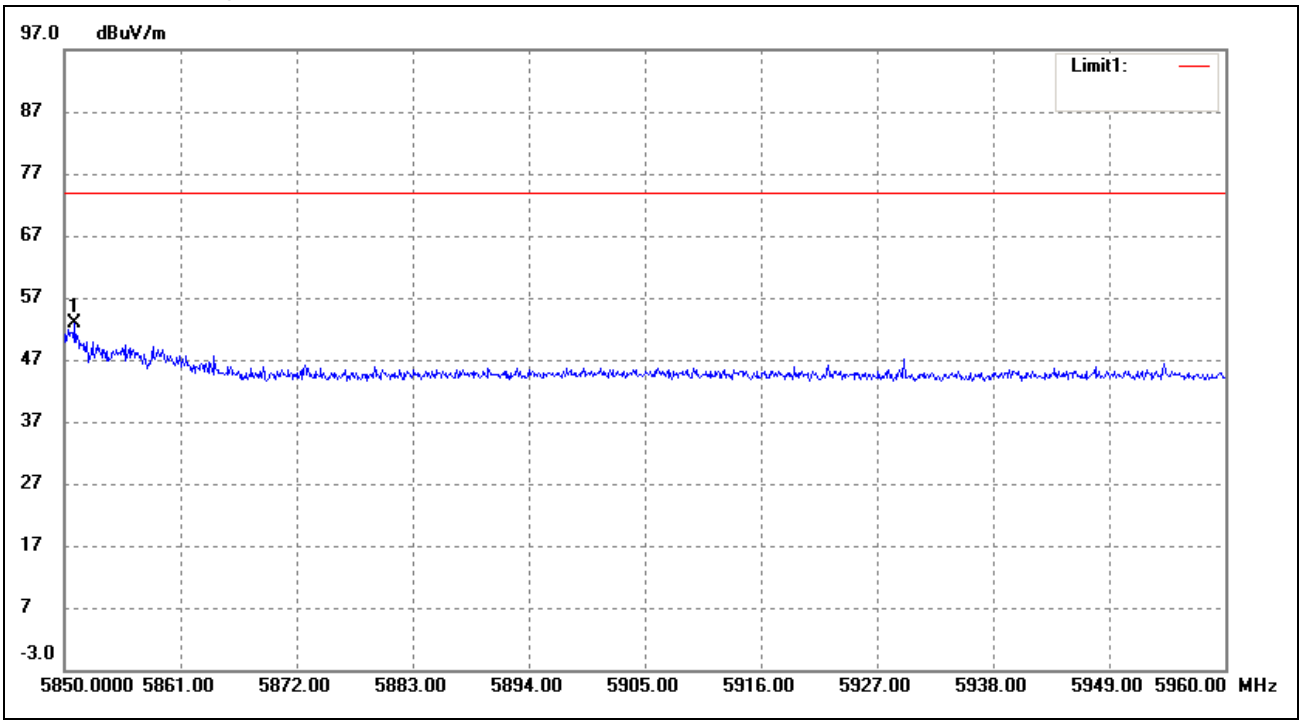
Note: this EUT was tested in the low, high channel and the worst case position data was reported.

Restricted Band, 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

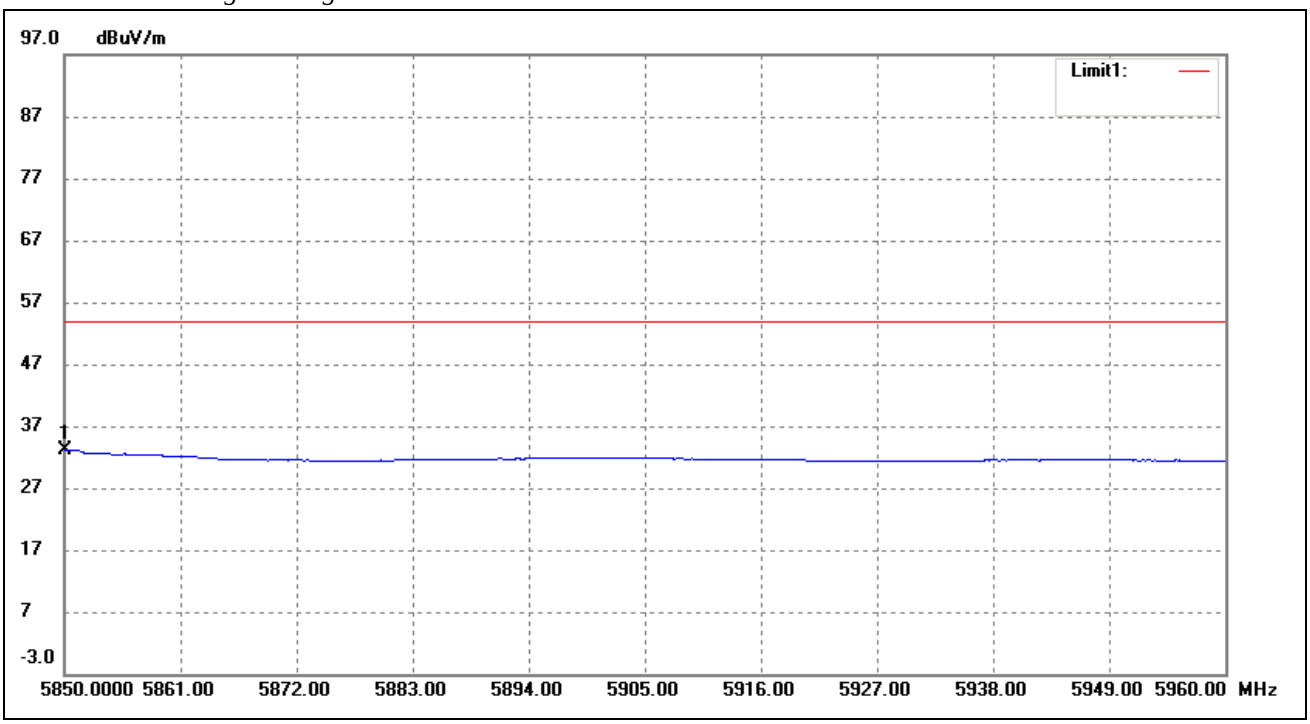
For the frequency band 5.725-5.825GHz(802.11n HT40)

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	5850.990	52.49	0.51	53.00	74.00	-21.00	345	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	5850.000	32.69	0.51	33.20	54.00	-20.80	345	100	Ave

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

Restricted Band, 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	49.2	360	V	38.9	9.8	40.1	57.8	74	-16.2
11490	PK	48.7	360	H	38.9	9.8	40.1	57.3	74	-16.7
11490	AV	32.6	360	V	38.9	9.8	40.1	41.2	54	-12.8
11490	AV	32.0	360	H	38.9	9.8	40.1	40.6	54	-13.4
High Channel (5825MHz)										
11610	PK	48.6	360	V	38.9	9.8	40.1	57.2	74	-16.8
11610	PK	48.9	360	H	38.9	9.8	40.1	57.5	74	-16.5
11610	AV	32.5	360	V	38.9	9.8	40.1	41.1	54	-12.9
11610	AV	32.1	360	H	38.9	9.8	40.1	40.7	54	-13.3

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.

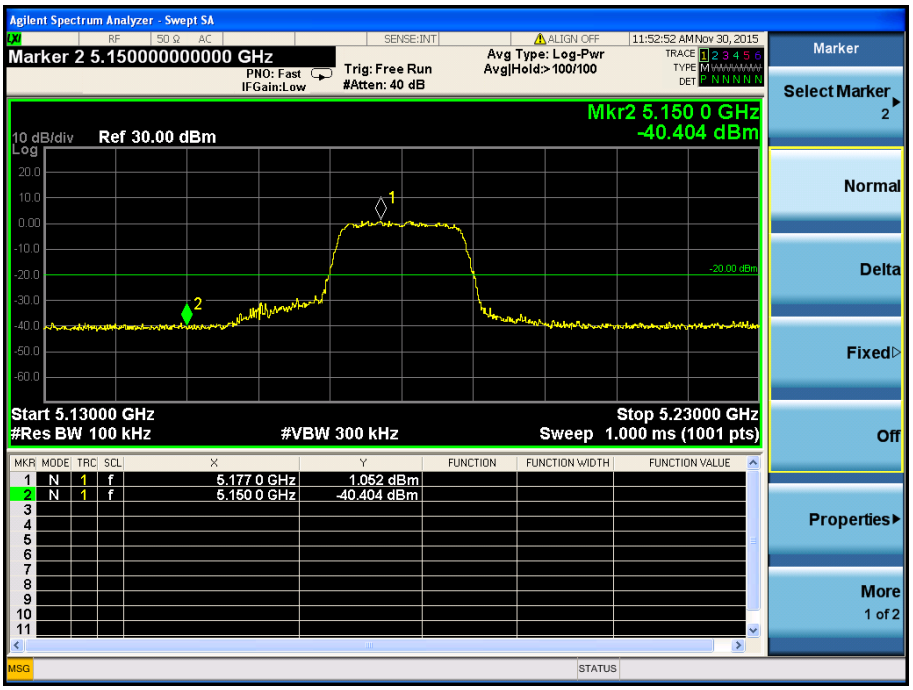
Emissions above 26.5GHz are attenuated more than 20dB below the permissible limits and test data are not reported.

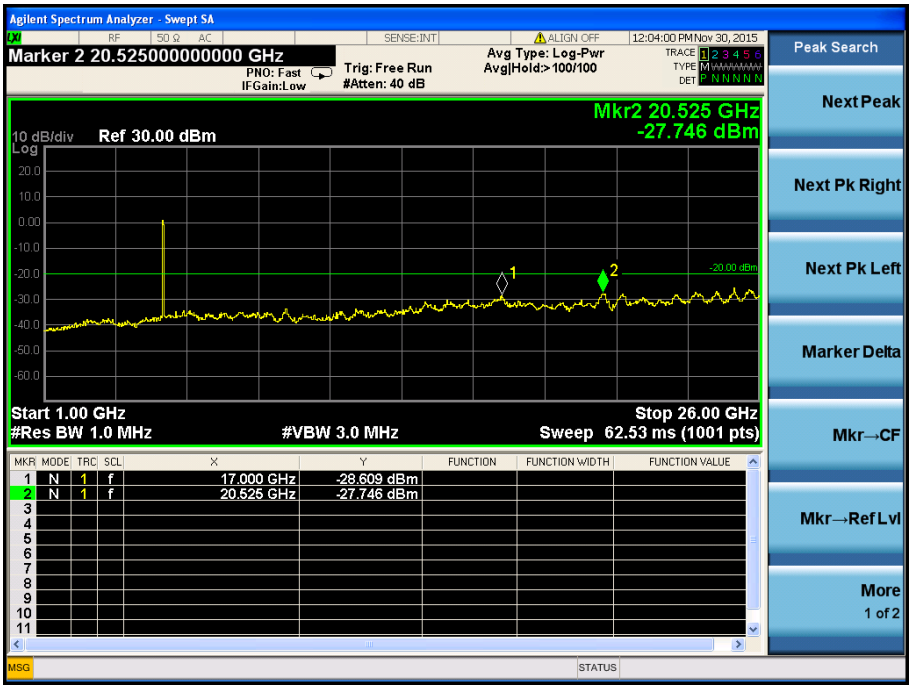
Out-of-Band and Spurious Emission (Conducted)

Antenna 1

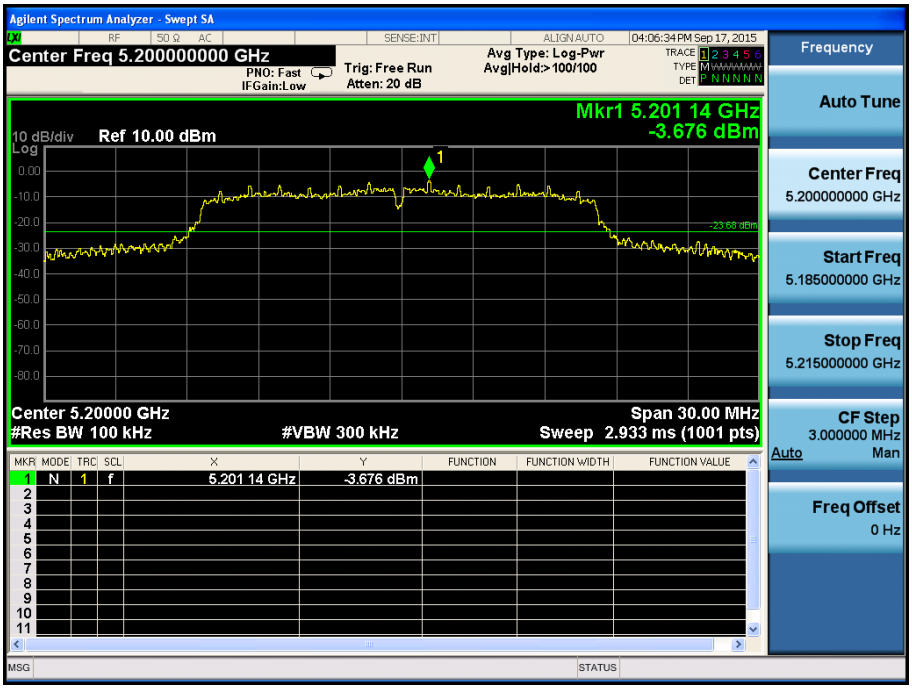
802.11n-HT20

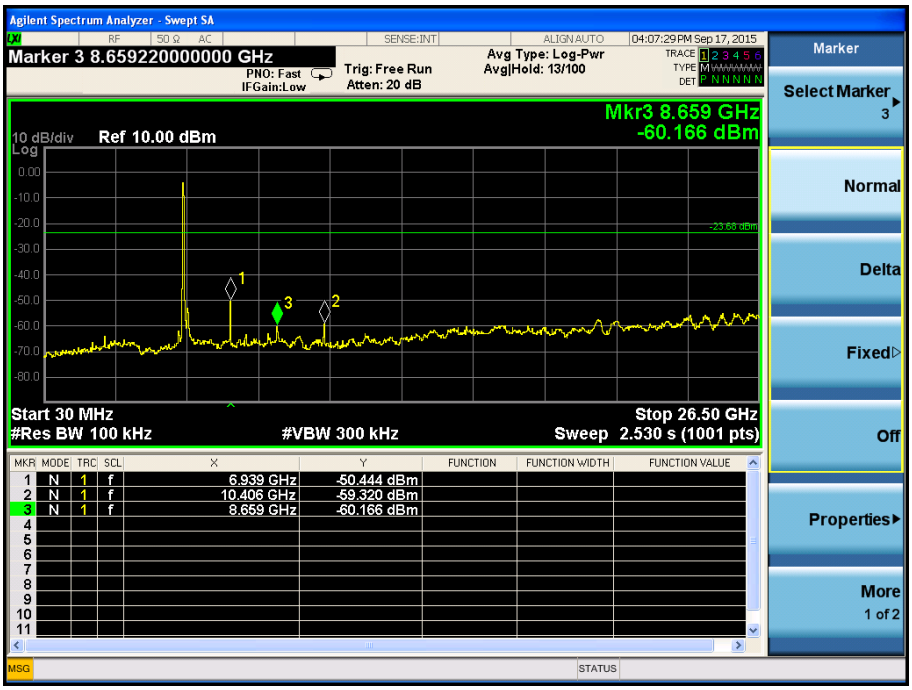
5180MHz



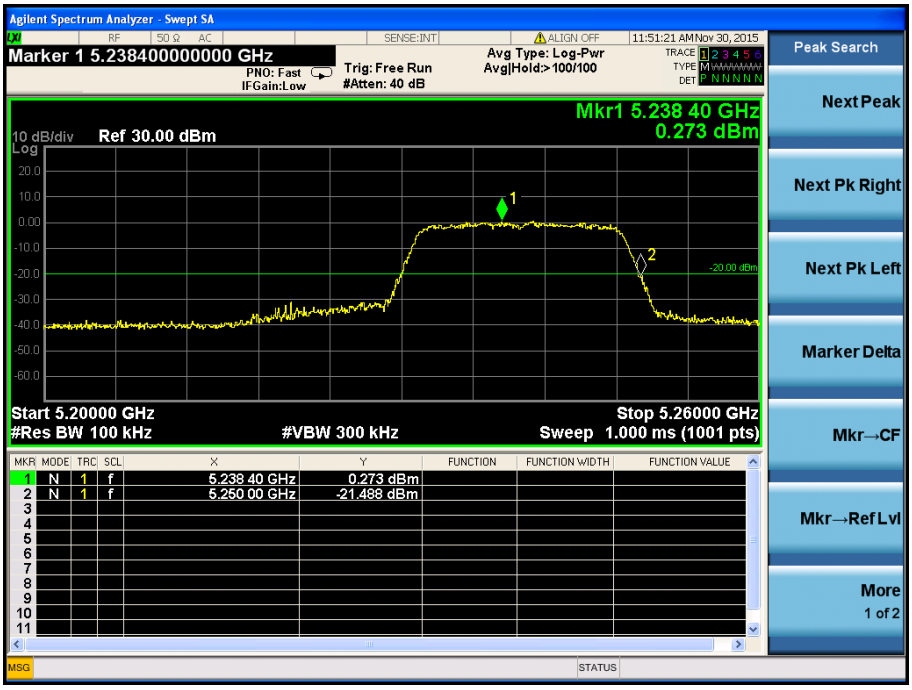


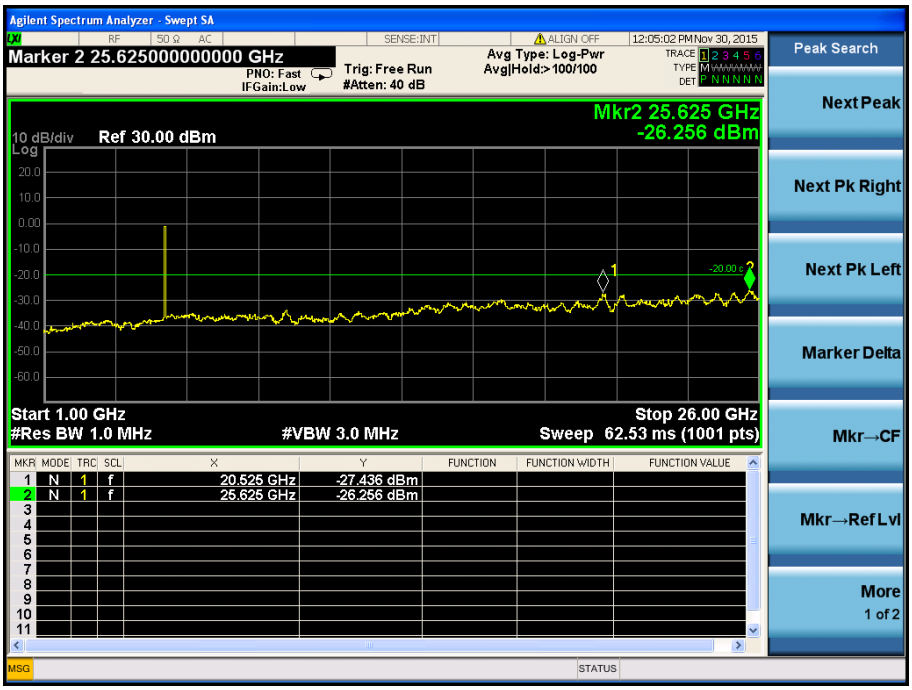
5200MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:06:34 PM Sep 17, 2015
Mkr1 5.201 14 GHz
-3.676 dBm
10 dB/div
Ref 10.00 dBm
Log
-23.68 dBm
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.201 14 GHz -3.676 dBm
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.200000000 GHz
Start Freq
5.185000000 GHz
Stop Freq
5.215000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

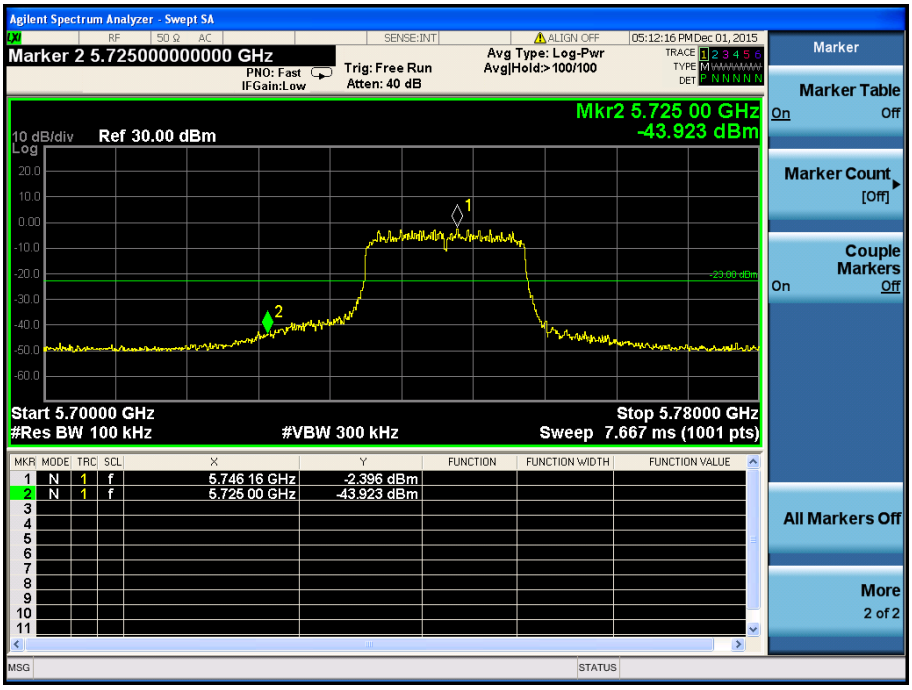

Agilent Spectrum Analyzer - Swept SA
Marker 3 8.659220000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 13/100
04:07:29 PM Sep 17, 2015
Mkr3 8.659 GHz
-60.166 dBm
10 dB/div
Ref 10.00 dBm
Log
-23.68 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 6.939 GHz -50.444 dBm
2 N 1 f 10.406 GHz -59.320 dBm
3 N 1 f 8.659 GHz -60.166 dBm
MSG
STATUS
Marker
Select Marker
3
Normal
Delta
Fixed
Off
Properties
More
1 of 2

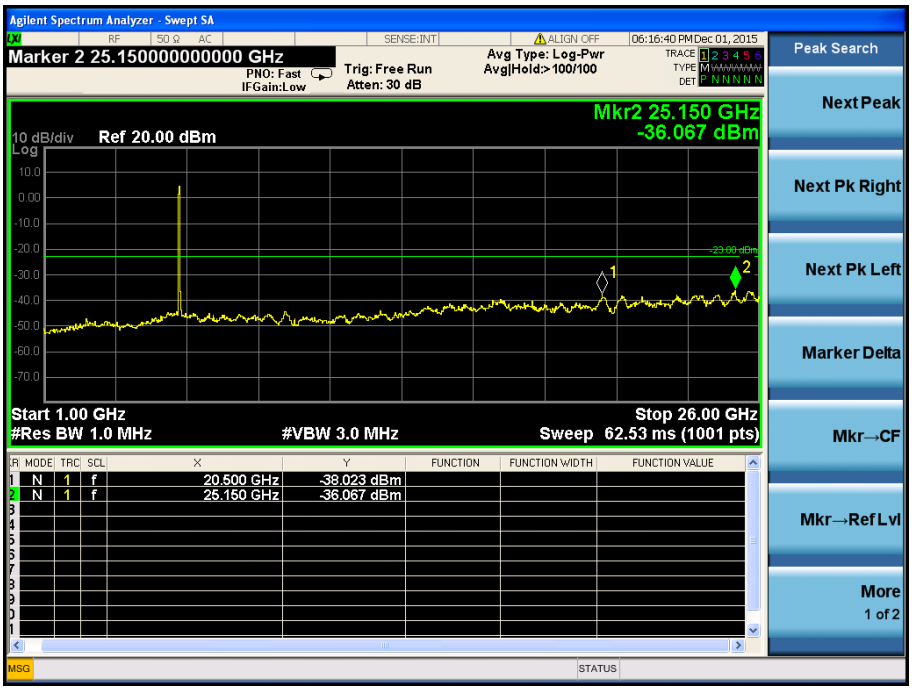
5240MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.238400000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:51:21 AM Nov 30, 2015
Mkr1 5.238 40 GHz
0.273 dBm
10 dB/div
Ref 30.00 dBm
Log
-20.00 dBm
Start 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.26000 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.238 40 GHz 0.273 dBm
2 N 1 f 5.250 00 GHz -21.488 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

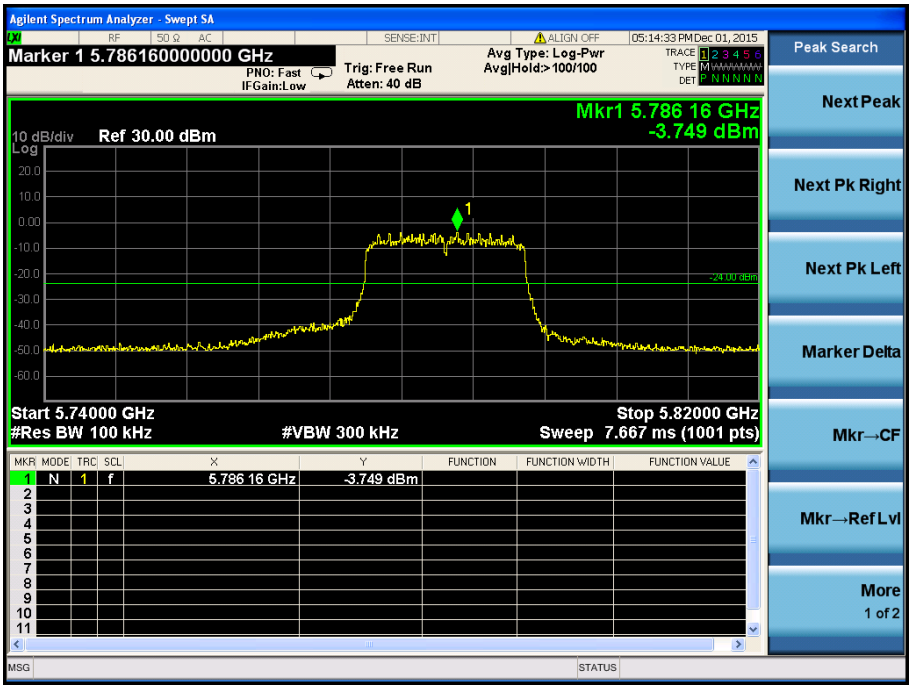

Agilent Spectrum Analyzer - Swept SA
Marker 2 25.625000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:05:02 PM Nov 30, 2015
Mkr2 25.625 GHz
-26.256 dBm
10 dB/div
Ref 30.00 dBm
Log
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.525 GHz -27.436 dBm
2 N 1 f 25.625 GHz -26.256 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

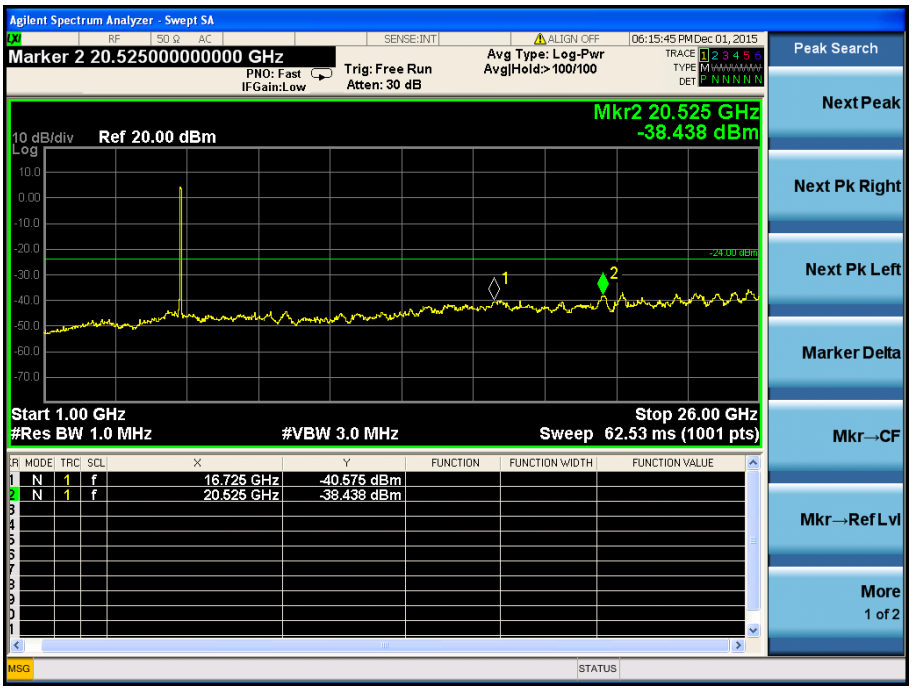
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:12:16 PM Dec 01, 2015
Mkr2 5.725 00 GHz
-43.923 dBm
10 dB/div
Ref 30.00 dBm
Log
Start 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.78000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.746 16 GHz -2.396 dBm
2 N 1 f 5.725 00 GHz -43.923 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2

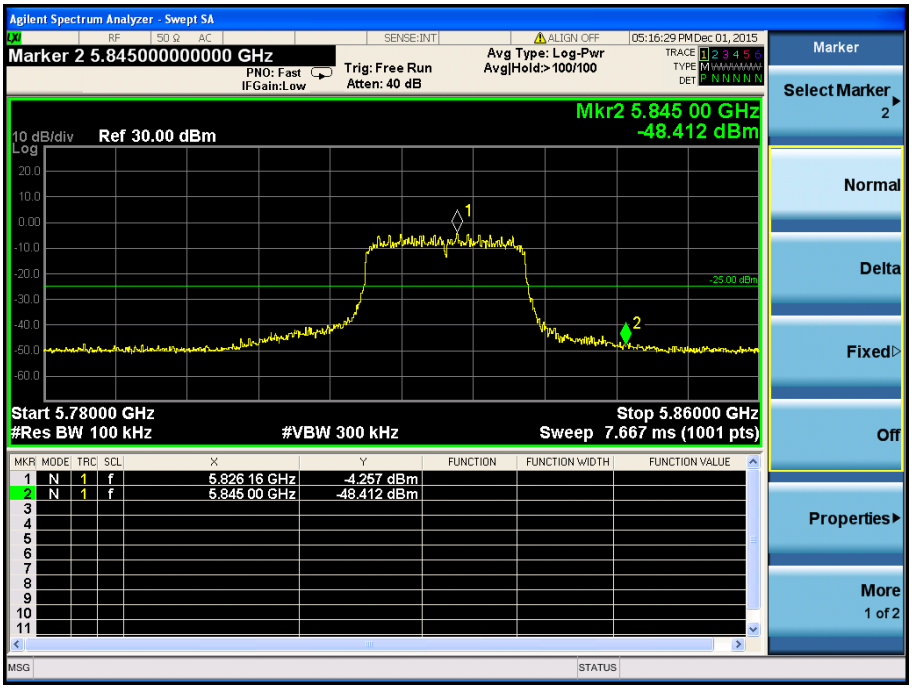

Agilent Spectrum Analyzer - Swept SA
Marker 2 25.150000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
06:16:40 PM Dec 01, 2015
Mkr2 25.150 GHz
-36.067 dBm
10 dB/div
Ref 20.00 dBm
Log
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.500 GHz -38.023 dBm
2 N 1 f 25.150 GHz -36.067 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

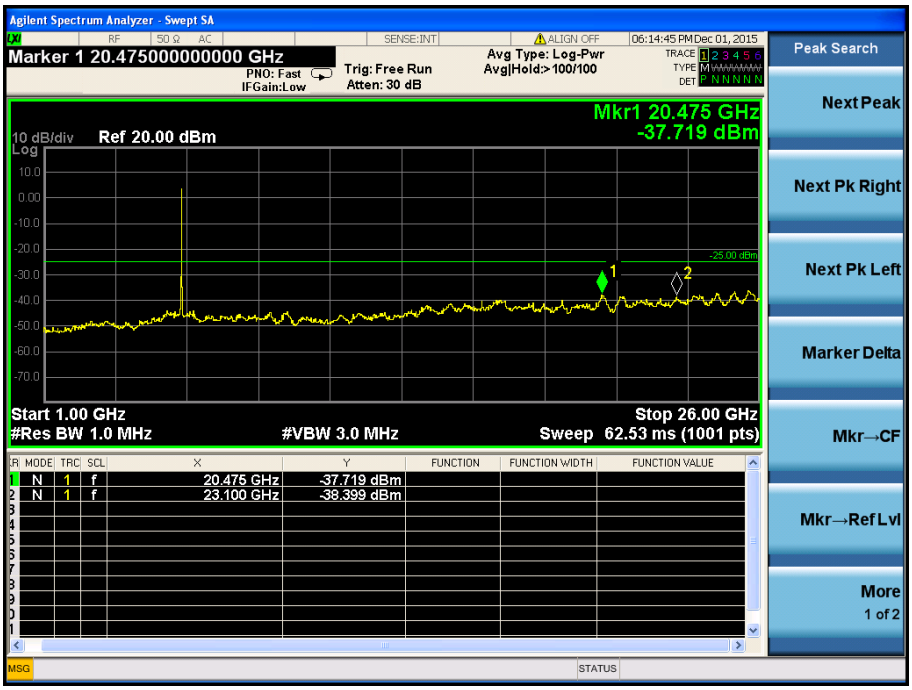
5785MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.786160000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:14:33 PM Dec 01, 2015
Mkr1 5.786 16 GHz
-3.749 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 5.74000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.82000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.786 16 GHz -3.749 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

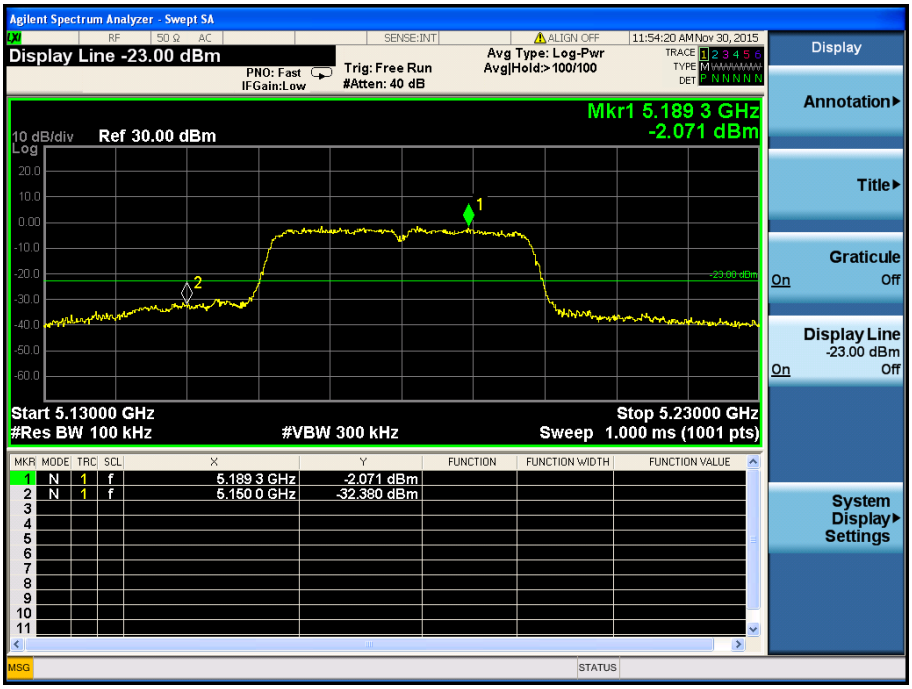

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.525000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
06:15:45 PM Dec 01, 2015
Mkr2 20.525 GHz
-38.438 dBm
10 dB/div
Log
Ref 20.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.725 GHz -40.575 dBm
2 N 1 f 20.525 GHz -38.438 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

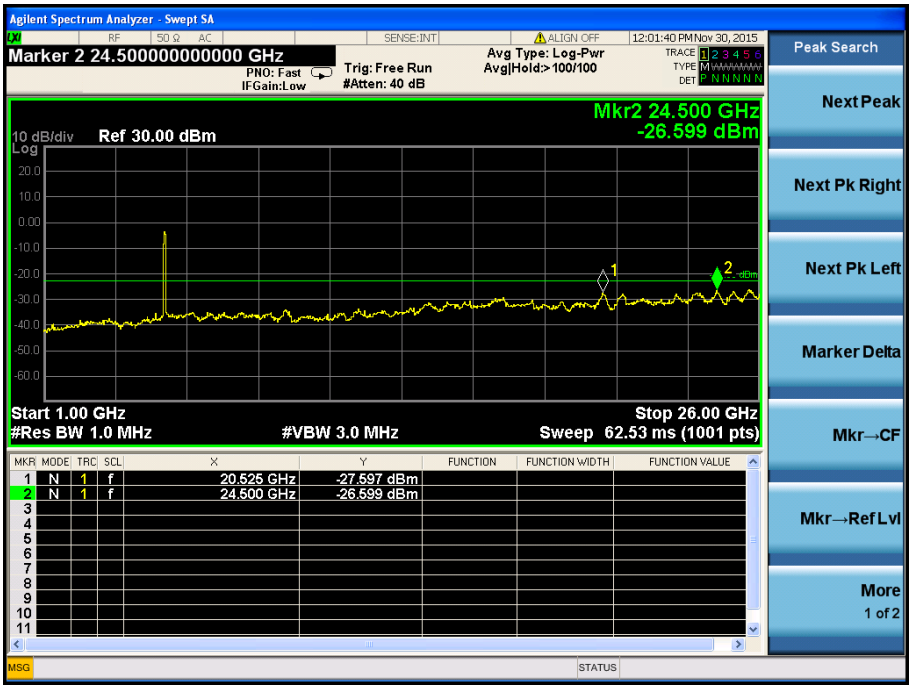
5825MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.845000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:16:29 PM Dec 01, 2015
Mkr2 5.845 00 GHz
-48.412 dBm
10 dB/div
Log
Ref 30.00 dBm
-25.00 dBm
Start 5.78000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.86000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.826 16 GHz -4.257 dBm
2 N 1 f 5.845 00 GHz -48.412 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MSG
STATUS

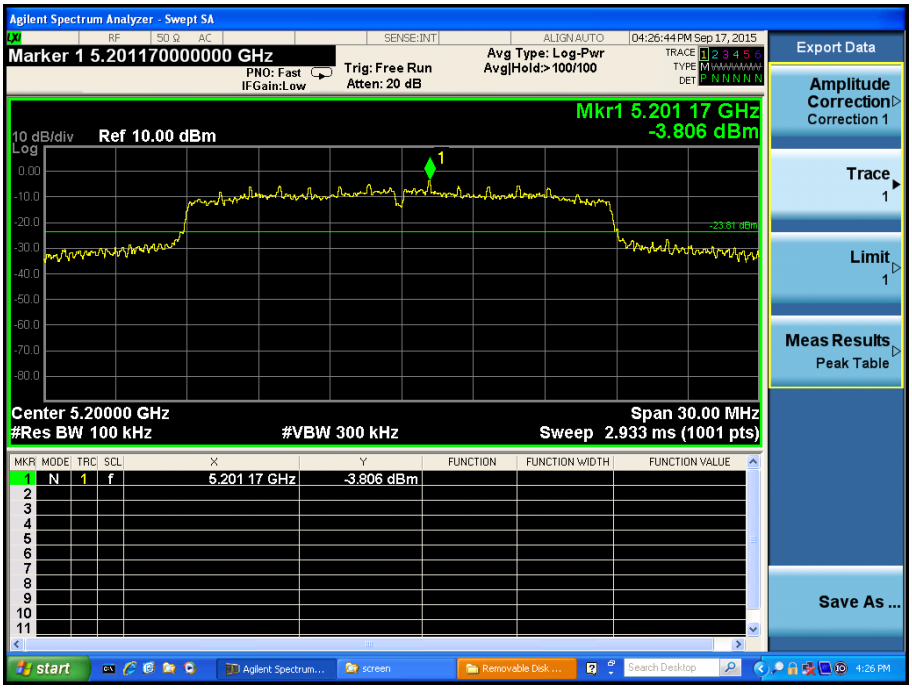

Agilent Spectrum Analyzer - Swept SA
Marker 1 20.475000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
06:14:45 PM Dec 01, 2015
Mkr1 20.475 GHz
-37.719 dBm
10 dB/div
Log
Ref 20.00 dBm
-25.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.475 GHz -37.719 dBm
2 N 1 f 23.100 GHz -38.399 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG
STATUS

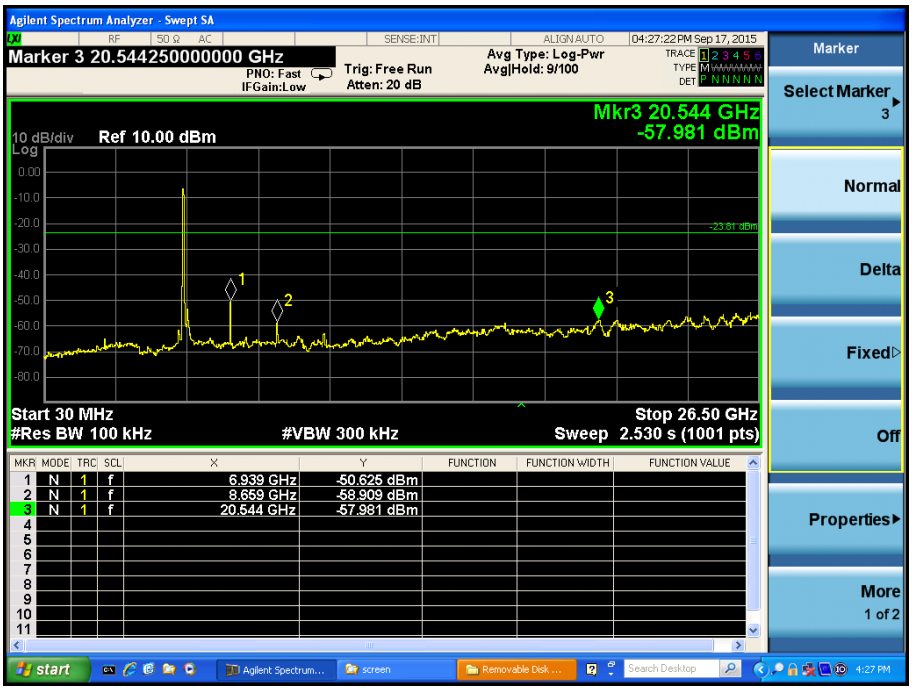
802.11n-HT40
5180MHz



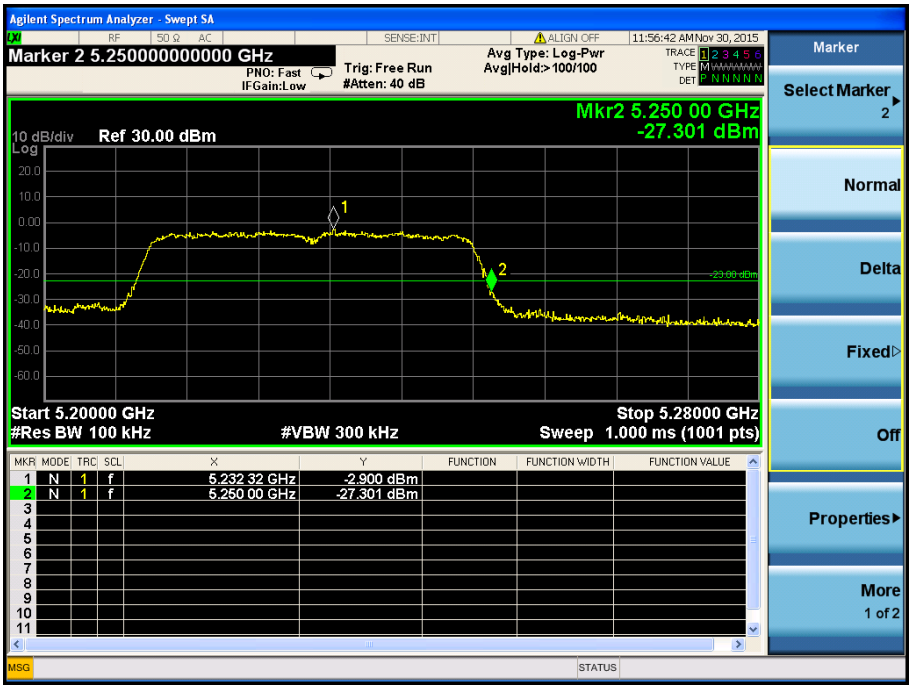


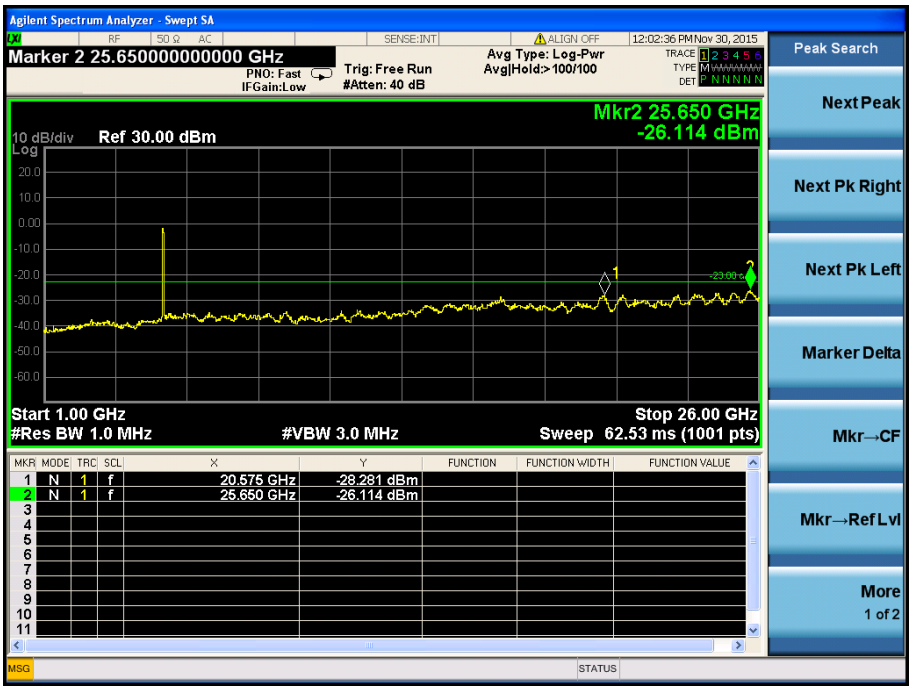
5200MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.201170000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:26:44 PM Sep 17, 2015
Export Data
Amplitude Correction
Correction 1
Trace 1
Limit 1
Meas Results
Peak Table
Save As ...
Mkr1 5.201 17 GHz
-3.806 dBm
10 dB/div
Ref 10.00 dBm
Log
-23.81 dBm
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.201 17 GHz -3.806 dBm
start
4:26 PM

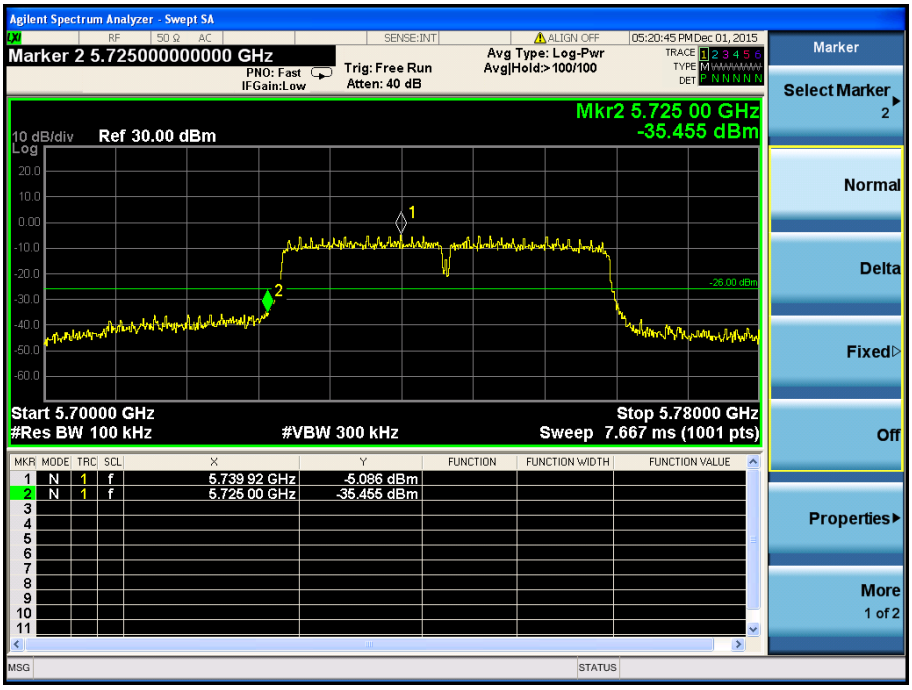

Agilent Spectrum Analyzer - Swept SA
Marker 3 20.544250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 9/100
04:27:22 PM Sep 17, 2015
Marker
Select Marker 3
Normal
Delta
Fixed
Off
Properties
More 1 of 2
Mkr3 20.544 GHz
-57.981 dBm
10 dB/div
Ref 10.00 dBm
Log
-23.81 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 6.939 GHz -50.625 dBm
2 N 1 f 8.659 GHz -58.909 dBm
3 N 1 f 20.544 GHz -57.981 dBm
start
4:27 PM

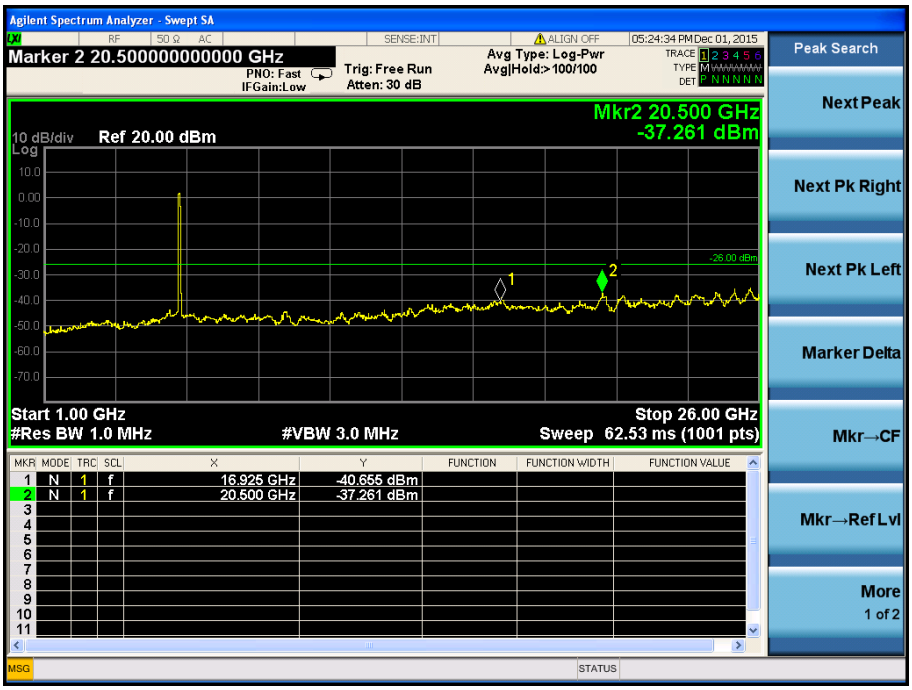
5220MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:56:42 AM Nov 30, 2015
Mkr2 5.250 00 GHz
-27.301 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.28000 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.232 32 GHz -2.900 dBm
2 N 1 f 5.250 00 GHz -27.301 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

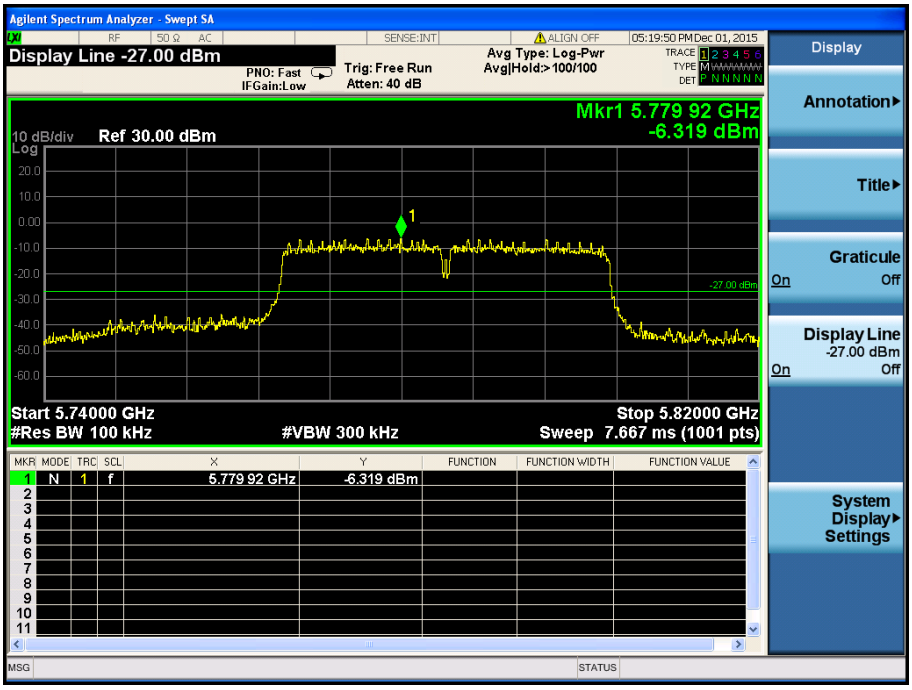

Agilent Spectrum Analyzer - Swept SA
Marker 2 25.650000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:02:36 PM Nov 30, 2015
Mkr2 25.650 GHz
-26.114 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.575 GHz -28.281 dBm
2 N 1 f 25.650 GHz -26.114 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2

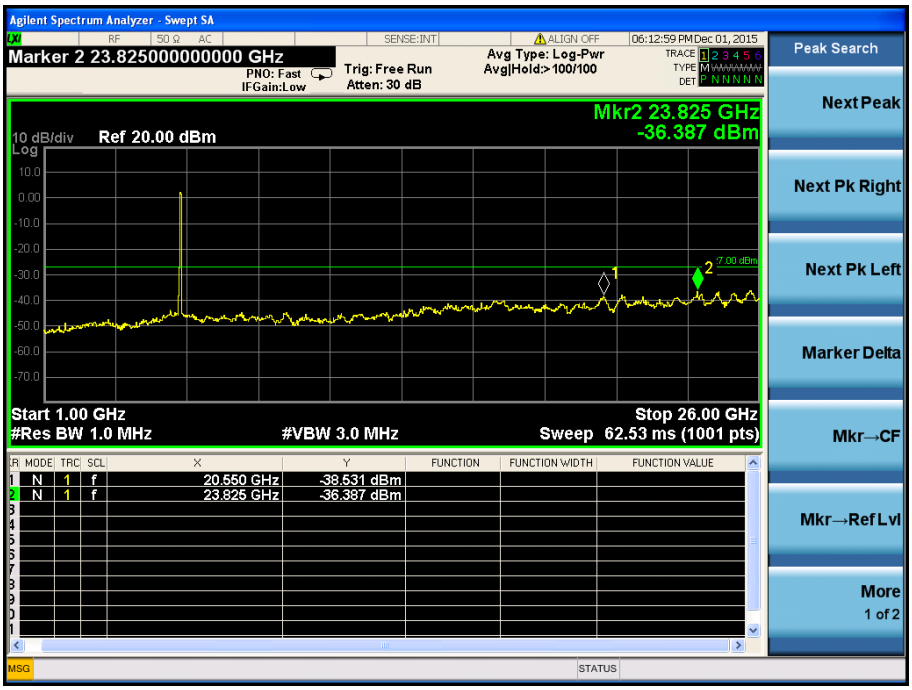
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:20:45 PM Dec 01, 2015
Mkr2 5.725 00 GHz
-35.455 dBm
10 dB/div
Log
Ref 30.00 dBm
-26.00 dBm
Start 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.78000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.739 92 GHz -5.086 dBm
2 N 1 f 5.725 00 GHz -35.455 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

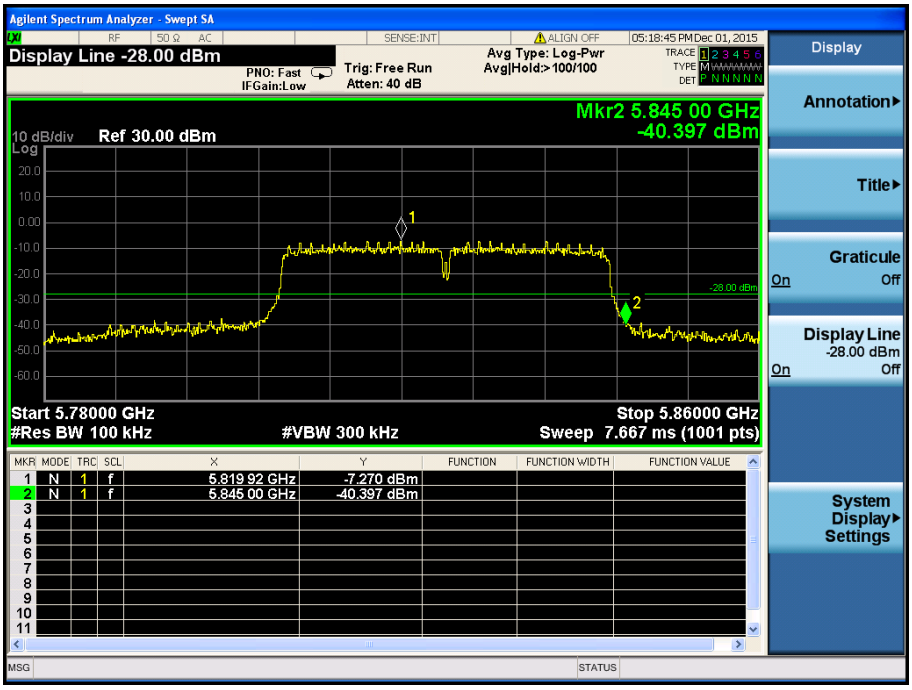

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.500000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:24:34 PM Dec 01, 2015
Mkr2 20.500 GHz
-37.261 dBm
10 dB/div
Log
Ref 20.00 dBm
-26.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.925 GHz -40.655 dBm
2 N 1 f 20.500 GHz -37.261 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2

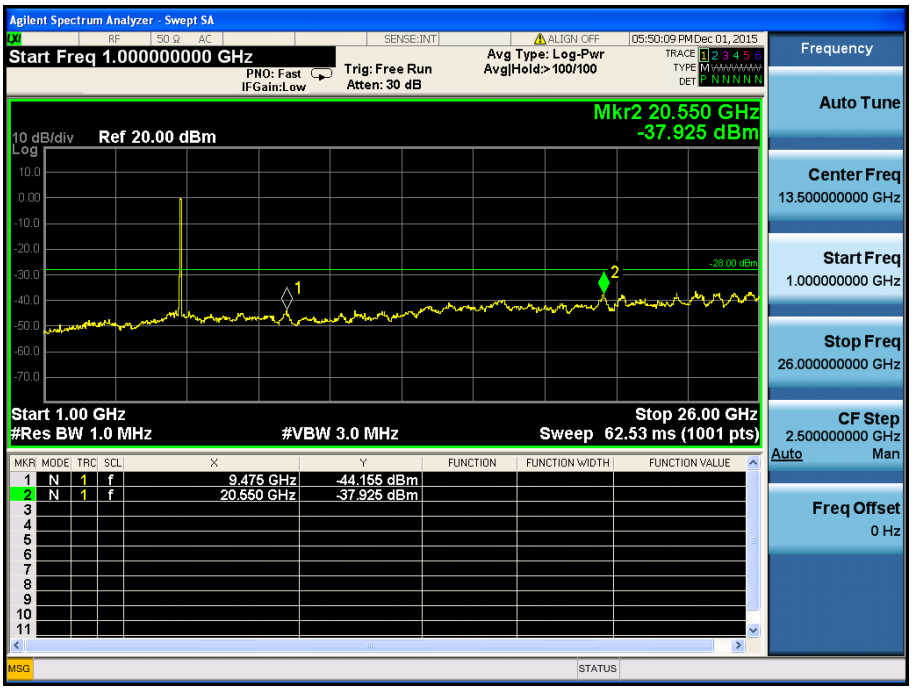
5785MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -27.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:19:50 PM Dec 01, 2015
Mkr1 5.779 92 GHz
-6.319 dBm
10 dB/div
Log
Ref 30.00 dBm
-27.00 dBm
Start 5.74000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.82000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.779 92 GHz -6.319 dBm
Display
Annotation
Title
Graticule On Off
Display Line -27.00 dBm On Off
System Display Settings
MSG
STATUS

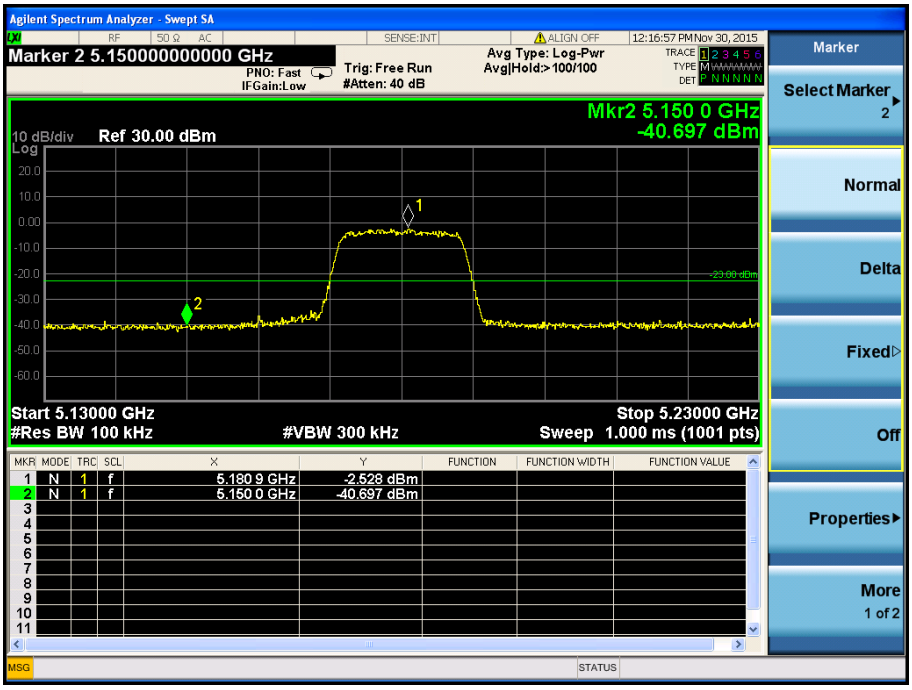

Agilent Spectrum Analyzer - Swept SA
Marker 2 23.825000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
06:12:59 PM Dec 01, 2015
Mkr2 23.825 GHz
-36.387 dBm
10 dB/div
Log
Ref 20.00 dBm
-7.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.550 GHz -38.531 dBm
2 N 1 f 23.825 GHz -36.387 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG
STATUS

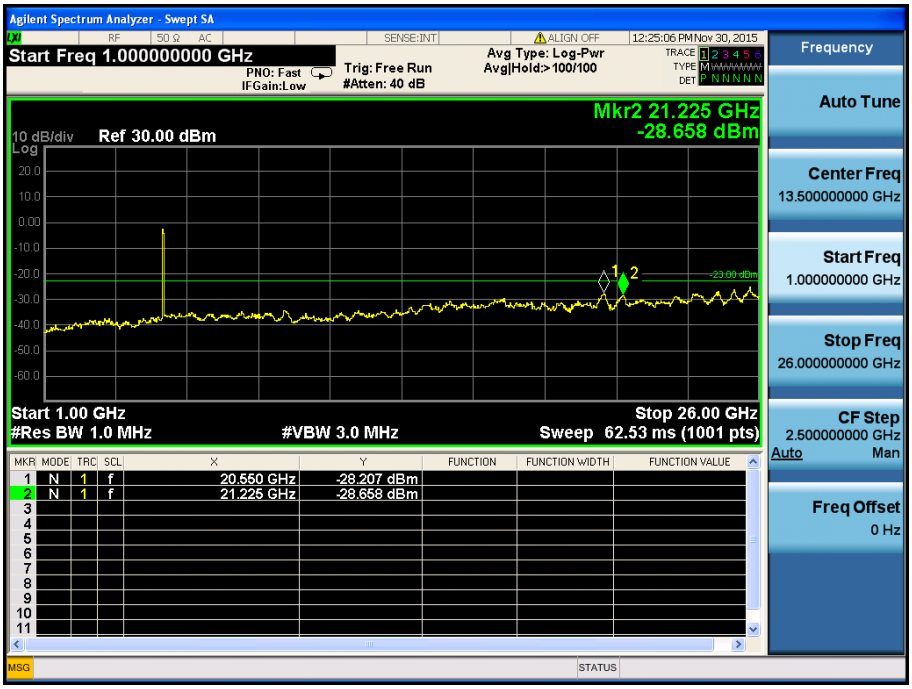
5825MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -28.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:18:45 PM Dec 01, 2015
Mkr2 5.845 00 GHz
-40.397 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 5.78000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.86000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.819 92 GHz -7.270 dBm
2 N 1 f 5.845 00 GHz -40.397 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-28.00 dBm
On Off
System
Display
Settings

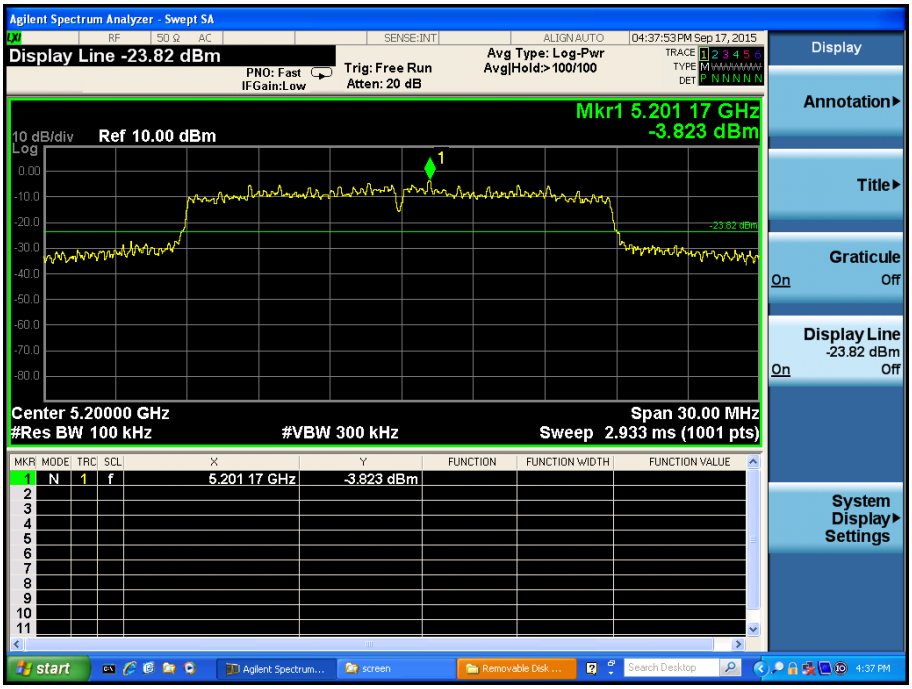

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:50:09 PM Dec 01, 2015
Mkr2 20.550 GHz
-37.925 dBm
10 dB/div
Log
Ref 20.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 9.475 GHz -44.155 dBm
2 N 1 f 20.550 GHz -37.925 dBm
Frequency
Auto Tune
Center Freq
13.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.000000000 GHz
CF Step
2.500000000 GHz
Auto Man
Freq Offset
0 Hz

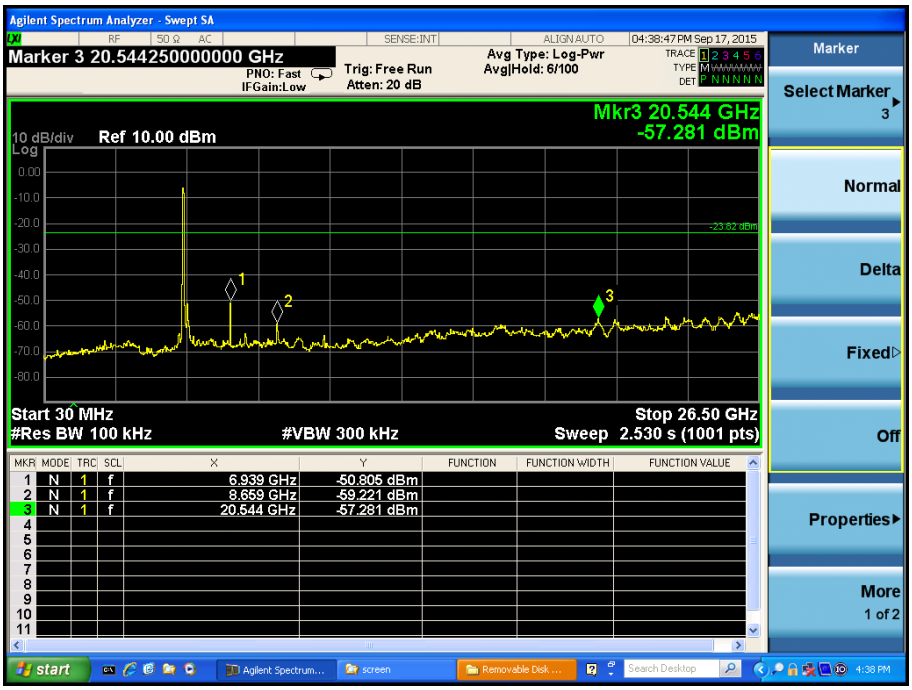
Antenna 2
802.11n-HT20
5180MHz



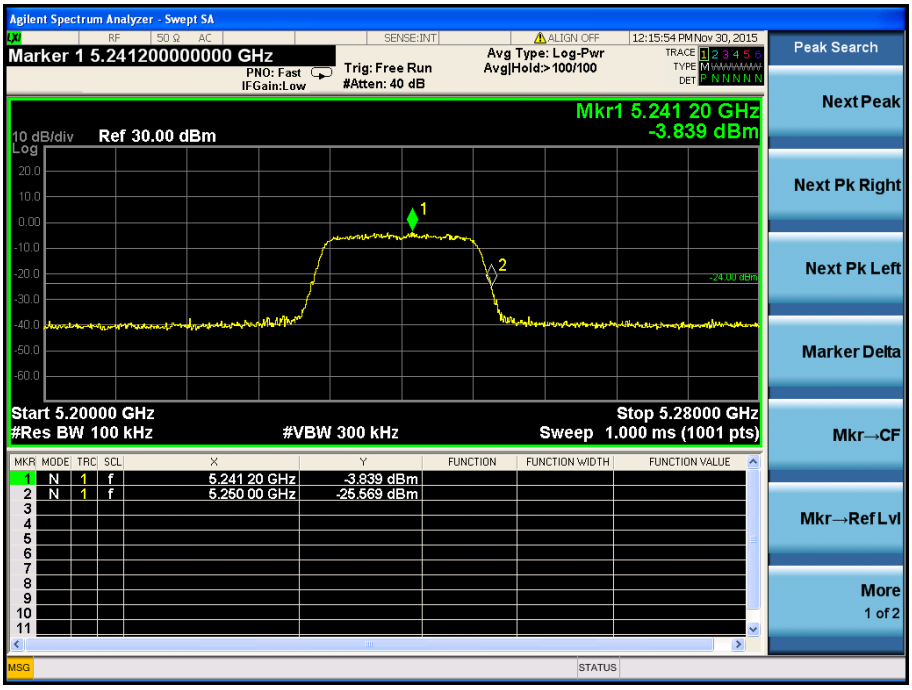


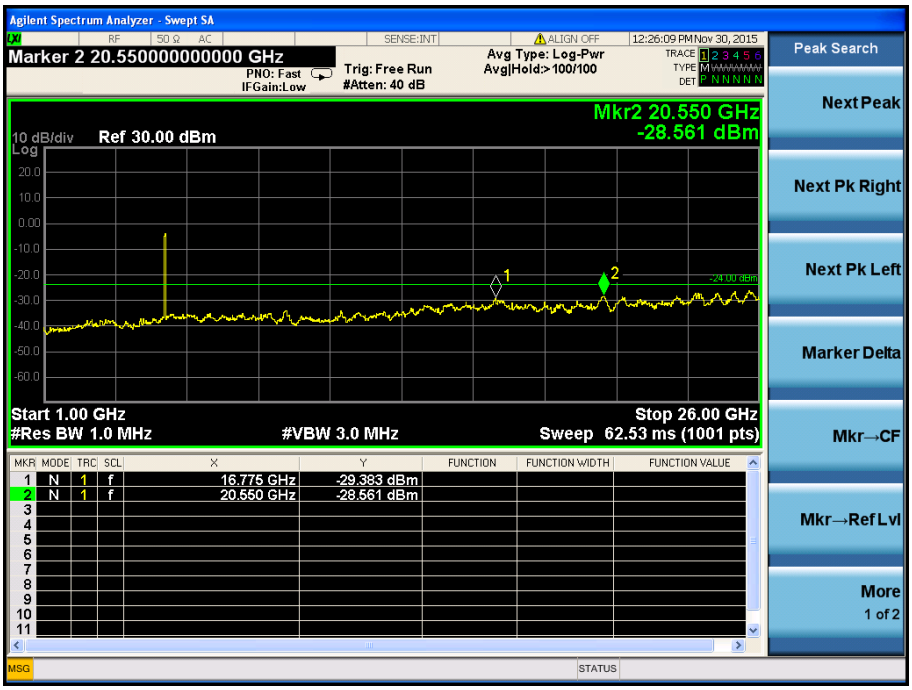
5200MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -23.82 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:37:53 PM Sep 17, 2015
Mkr1 5.201 17 GHz
-3.823 dBm
10 dB/div
Ref 10.00 dBm
Log
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)
1 N 1 f 5.201 17 GHz -3.823 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-23.82 dBm
On Off
System
Display
Settings

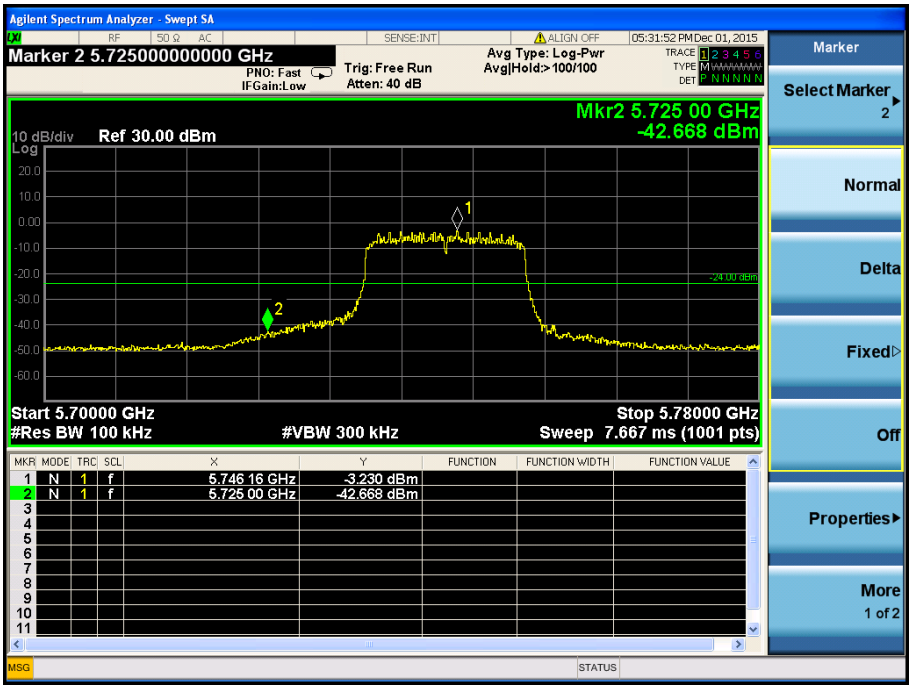

Agilent Spectrum Analyzer - Swept SA
Marker 3 20.544250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 6/100
04:38:47 PM Sep 17, 2015
Mkr3 20.544 GHz
-57.281 dBm
10 dB/div
Ref 10.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 6.939 GHz -50.805 dBm
2 N 1 f 8.659 GHz -59.221 dBm
3 N 1 f 20.544 GHz -57.281 dBm
Marker
Select Marker
3
Normal
Delta
Fixed
Off
Properties
More
1 of 2

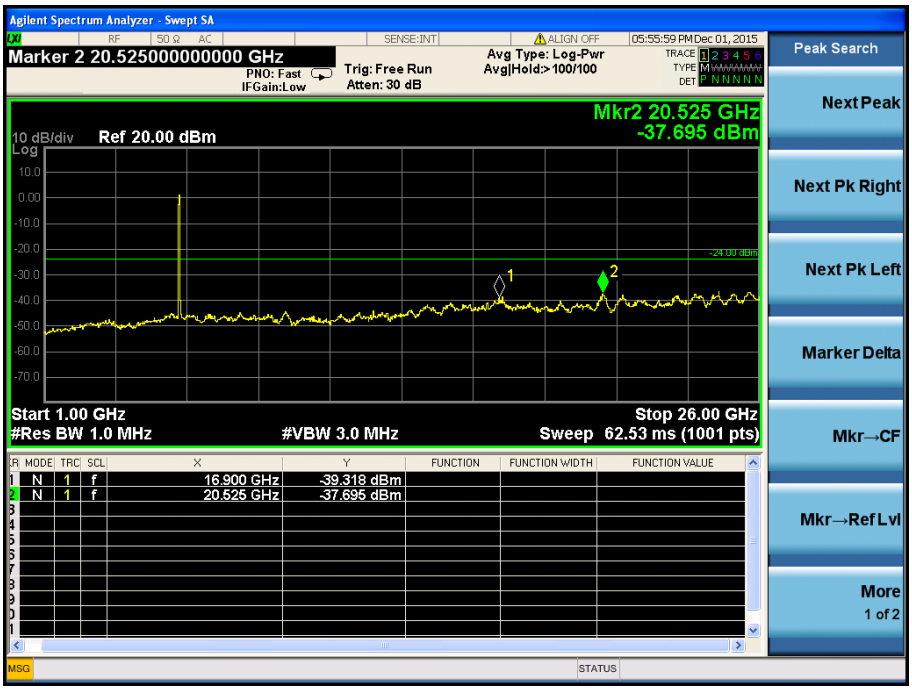
5240MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.241200000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:15:54 PM Nov 30, 2015
Mkr1 5.241 20 GHz
-3.839 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.28000 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.241 20 GHz -3.839 dBm
2 N 1 f 5.250 00 GHz -25.569 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

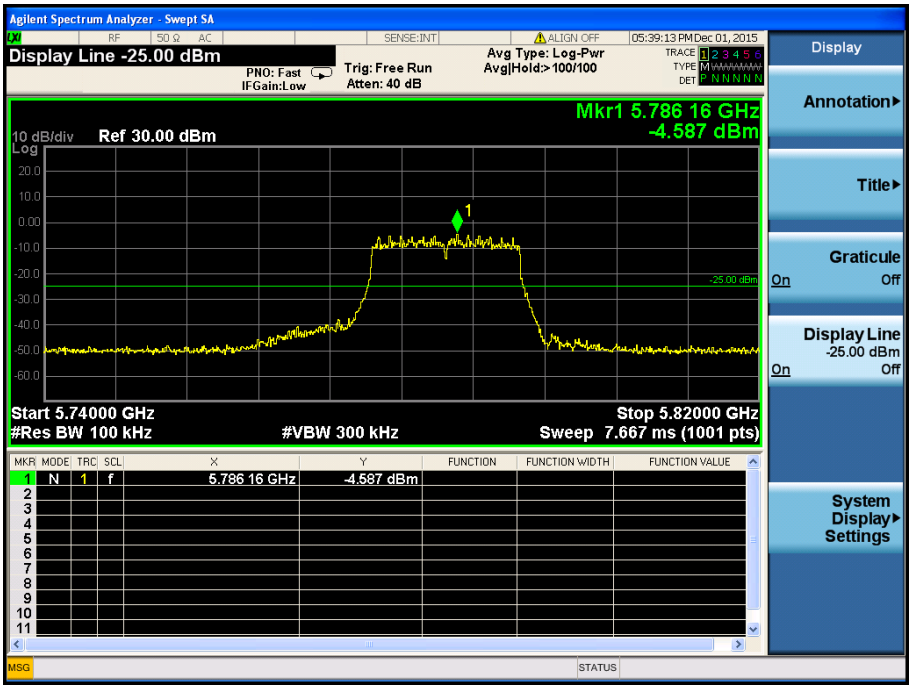

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.550000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:26:09 PM Nov 30, 2015
Mkr2 20.550 GHz
-28.561 dBm
10 dB/div
Log
Ref 30.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.775 GHz -29.383 dBm
2 N 1 f 20.550 GHz -28.561 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

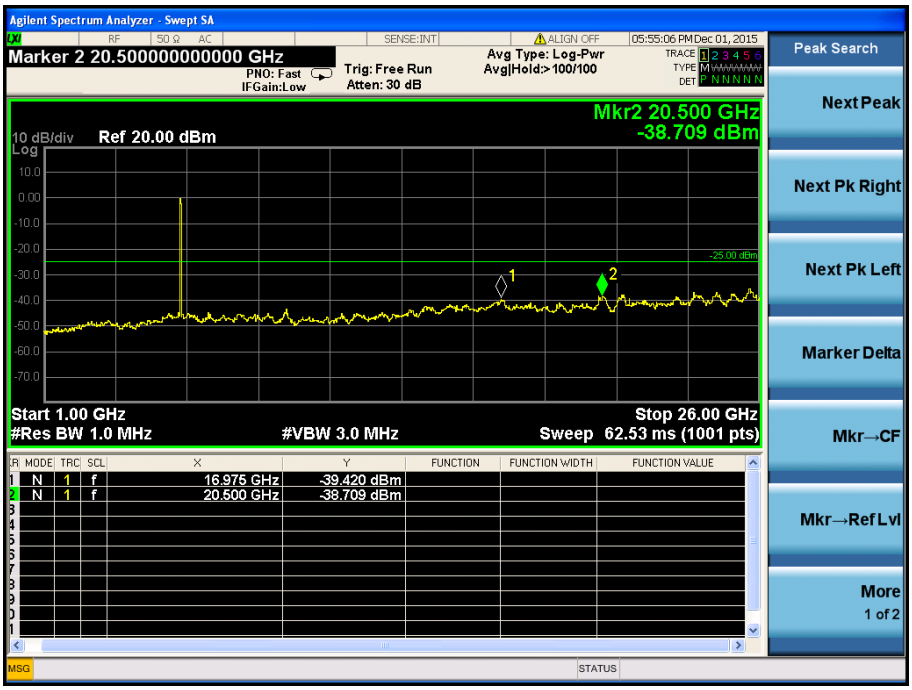
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:31:52 PM Dec 01, 2015
Mkr2 5.725 00 GHz
-42.668 dBm
10 dB/div
Ref 30.00 dBm
Log
Start 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.78000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.746 16 GHz -3.230 dBm
2 N 1 f 5.725 00 GHz -42.668 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

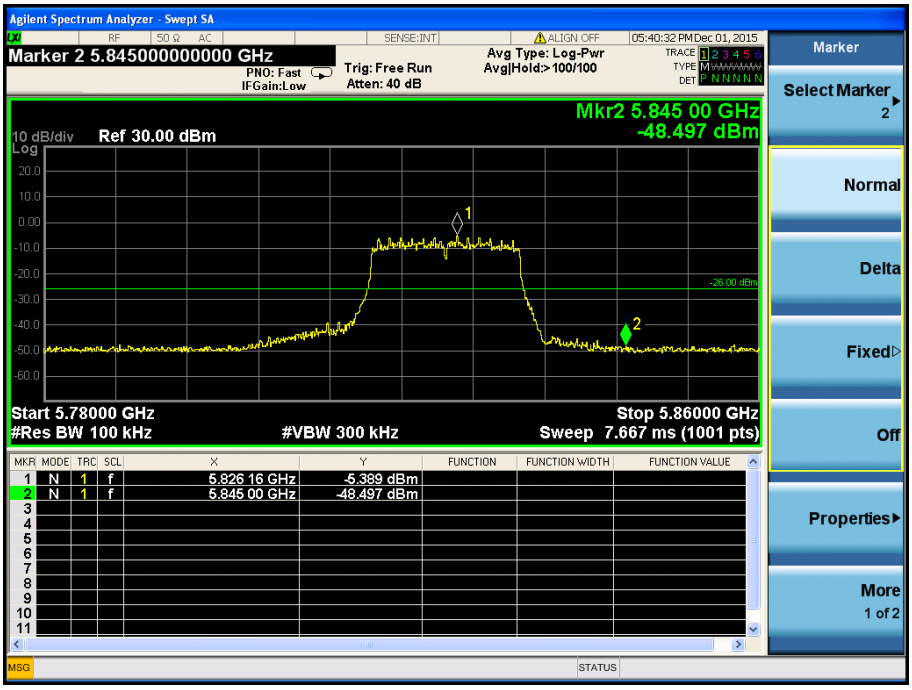

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.525000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:55:59 PM Dec 01, 2015
Mkr2 20.525 GHz
-37.695 dBm
10 dB/div
Ref 20.00 dBm
Log
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.900 GHz -39.318 dBm
2 N 1 f 20.525 GHz -37.695 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2

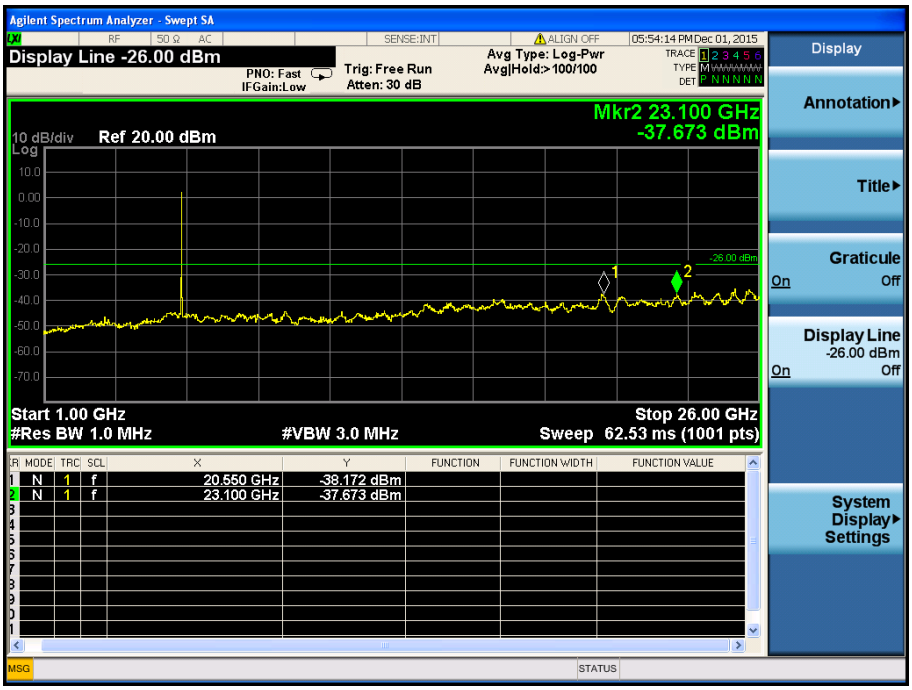
5785MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -25.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:39:13 PM Dec 01, 2015
Mkr1 5.786 16 GHz
-4.587 dBm
10 dB/div
Log
Ref 30.00 dBm
-25.00 dBm
Start 5.74000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.82000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.786 16 GHz -4.587 dBm
Display
Annotation
Title
Graticule On Off
Display Line -25.00 dBm On Off
System Display Settings
MSG
STATUS

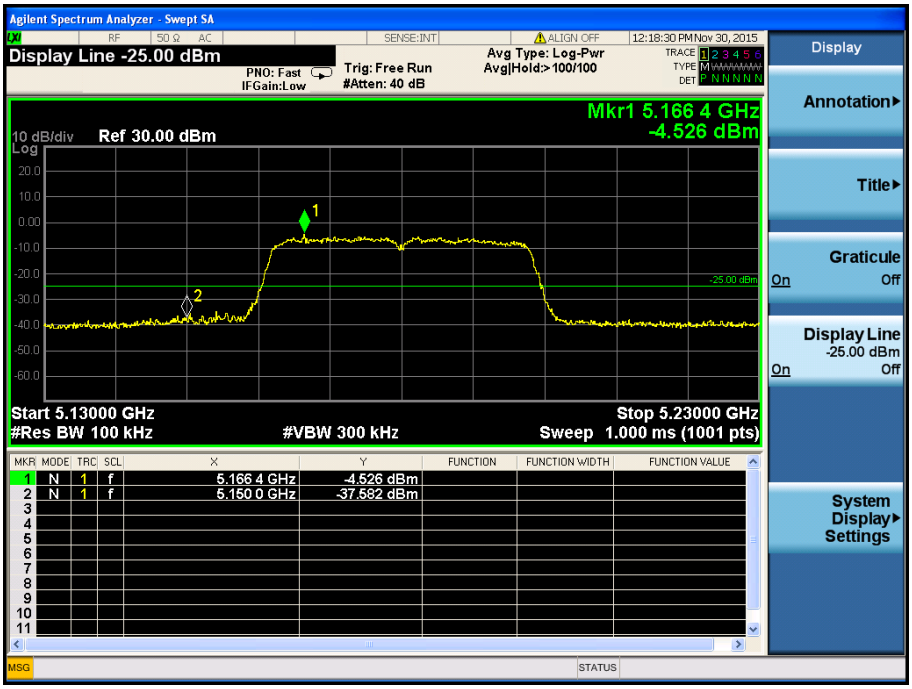

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.500000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:55:06 PM Dec 01, 2015
Mkr2 20.500 GHz
-38.709 dBm
10 dB/div
Log
Ref 20.00 dBm
-25.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.975 GHz -39.420 dBm
2 N 1 f 20.500 GHz -38.709 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG
STATUS

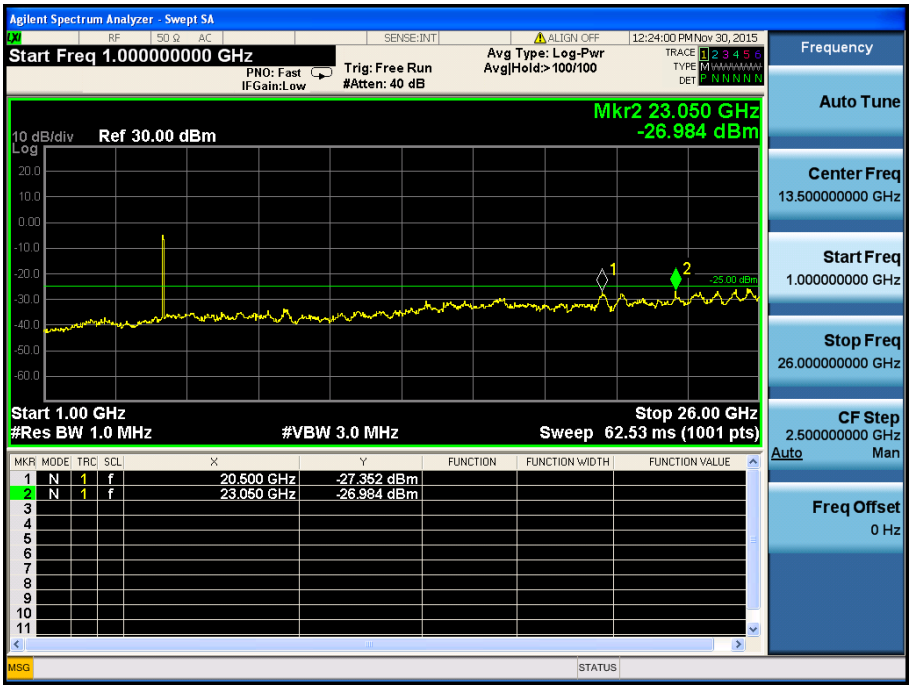
5825MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.845000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:40:32 PM Dec 01, 2015
Mkr2 5.845 00 GHz
-48.497 dBm
10 dB/div
Ref 30.00 dBm
Log
-26.00 dBm
Start 5.78000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.86000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.826 16 GHz -5.389 dBm
2 N 1 f 5.845 00 GHz -48.497 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MSG
STATUS

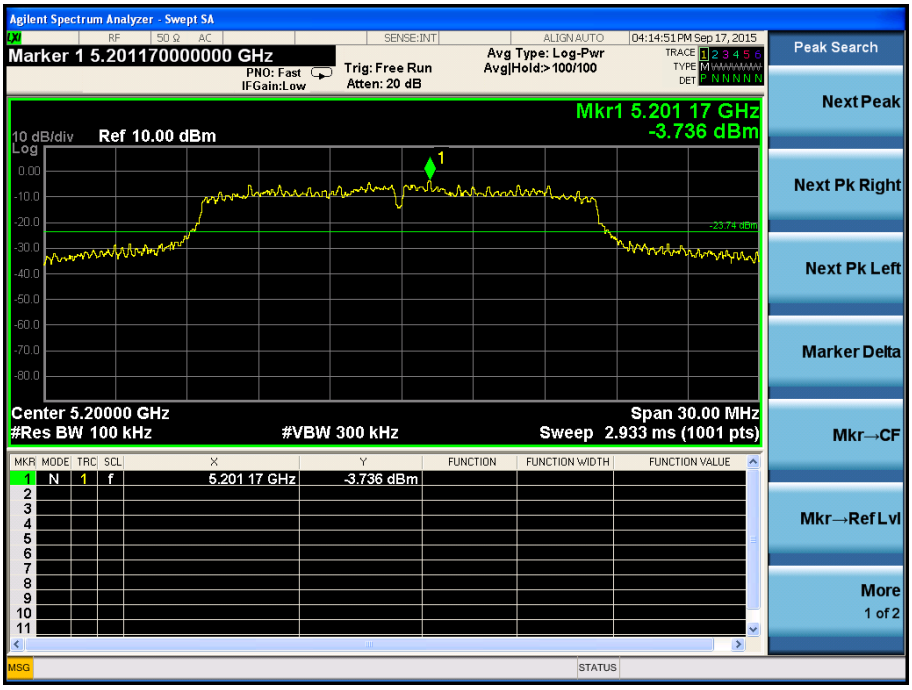

Agilent Spectrum Analyzer - Swept SA
Display Line -26.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:54:14 PM Dec 01, 2015
Mkr2 23.100 GHz
-37.673 dBm
10 dB/div
Ref 20.00 dBm
Log
-26.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.550 GHz -38.172 dBm
2 N 1 f 23.100 GHz -37.673 dBm
Display
Annotation
Title
Graticule On Off
Display Line -26.00 dBm On Off
System Display Settings
MSG
STATUS

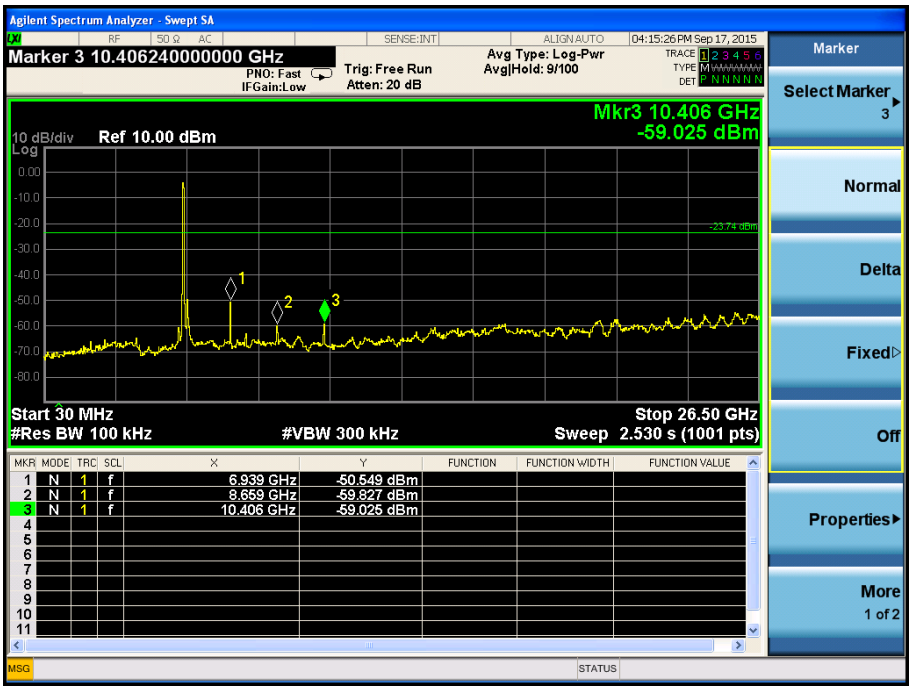
802.11n-HT40
5180MHz



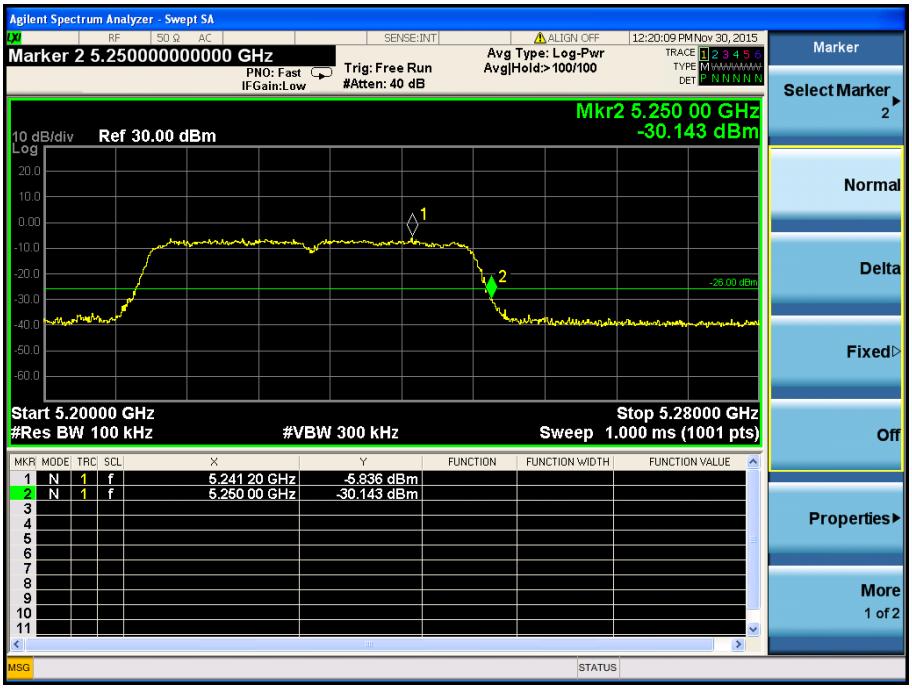


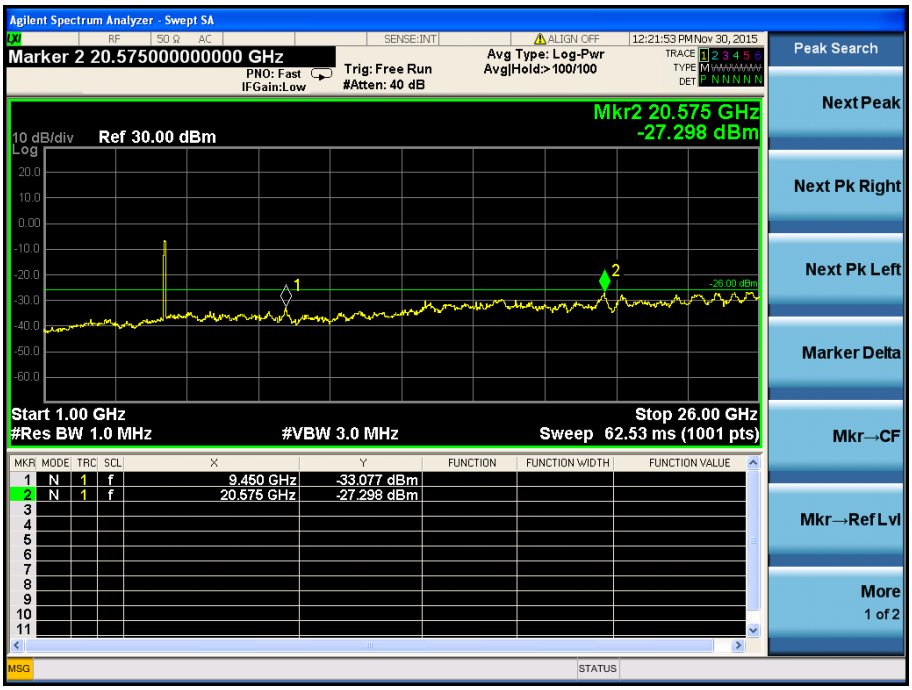
5200MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.201170000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
04:14:51 PM Sep 17, 2015
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
Mkr1 5.201 17 GHz
-3.736 dBm
10 dB/div
Ref 10.00 dBm
Log
Center 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.933 ms (1001 pts)
1 N 1 f 5.201 17 GHz -3.736 dBm
MSG
STATUS

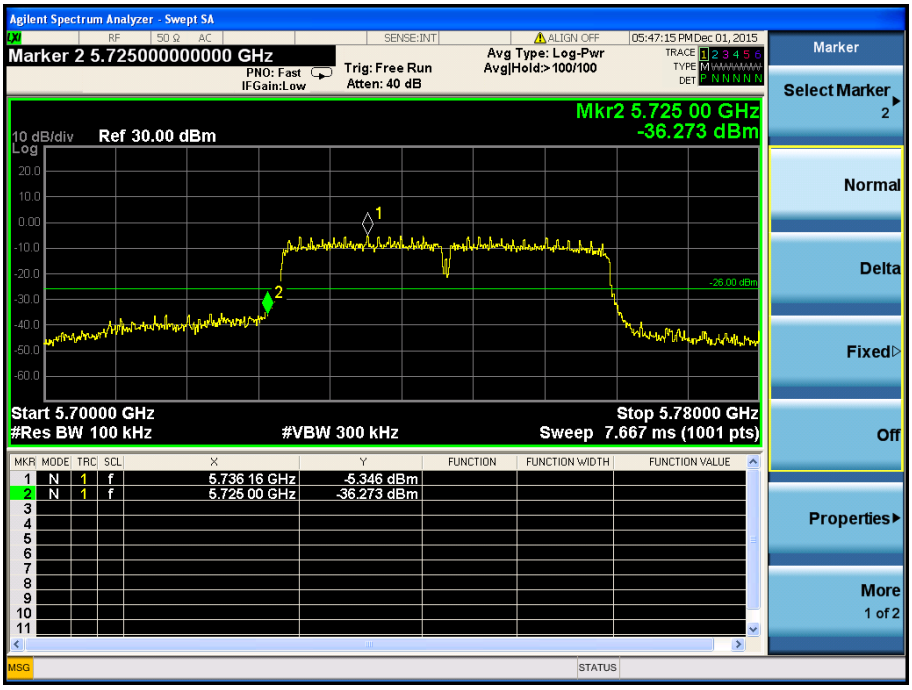

Agilent Spectrum Analyzer - Swept SA
Marker 3 10.406240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 9/100
04:15:26 PM Sep 17, 2015
Marker
Select Marker
3
Normal
Delta
Fixed
Off
Properties
More
1 of 2
Mkr3 10.406 GHz
-59.025 dBm
10 dB/div
Ref 10.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 6.939 GHz -50.549 dBm
2 N 1 f 8.659 GHz -59.827 dBm
3 N 1 f 10.406 GHz -59.025 dBm
MSG
STATUS

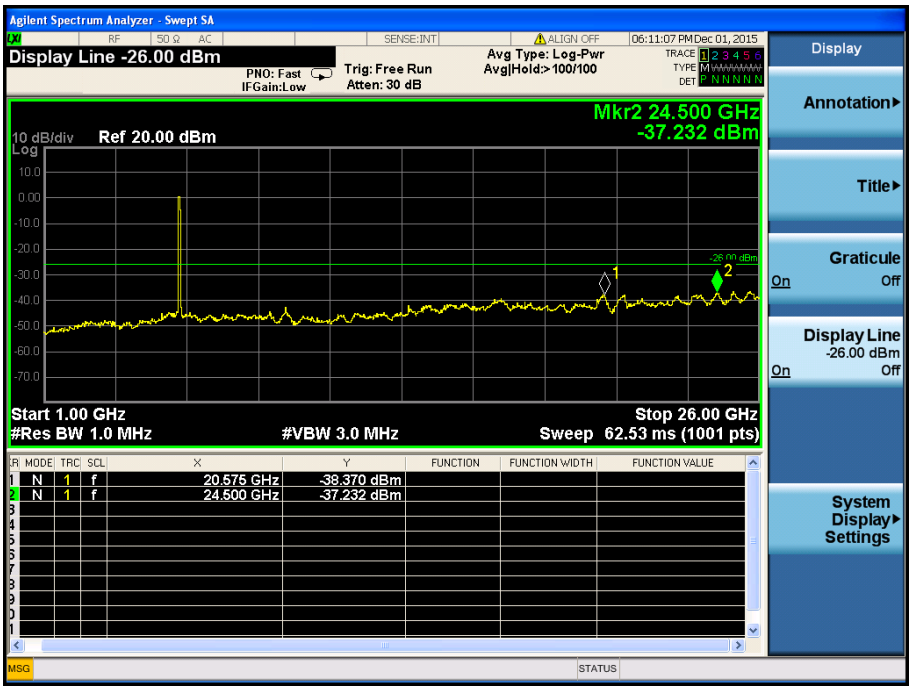
5220MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:20:09 PM Nov 30, 2015
Mkr2 5.250 00 GHz
-30.143 dBm
10 dB/div
Ref 30.00 dBm
Log
-26.00 dBm
Start 5.20000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.28000 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.241 20 GHz -5.836 dBm
2 N 1 f 5.250 00 GHz -30.143 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

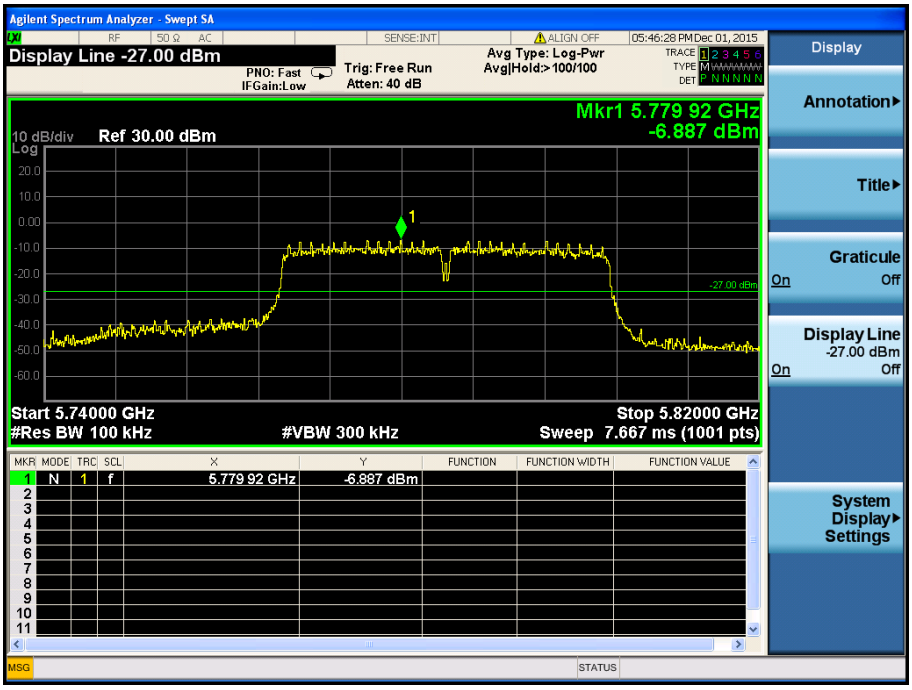

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.575000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
12:21:53 PM Nov 30, 2015
Mkr2 20.575 GHz
-27.298 dBm
10 dB/div
Ref 30.00 dBm
Log
-26.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 9.450 GHz -33.077 dBm
2 N 1 f 20.575 GHz -27.298 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2

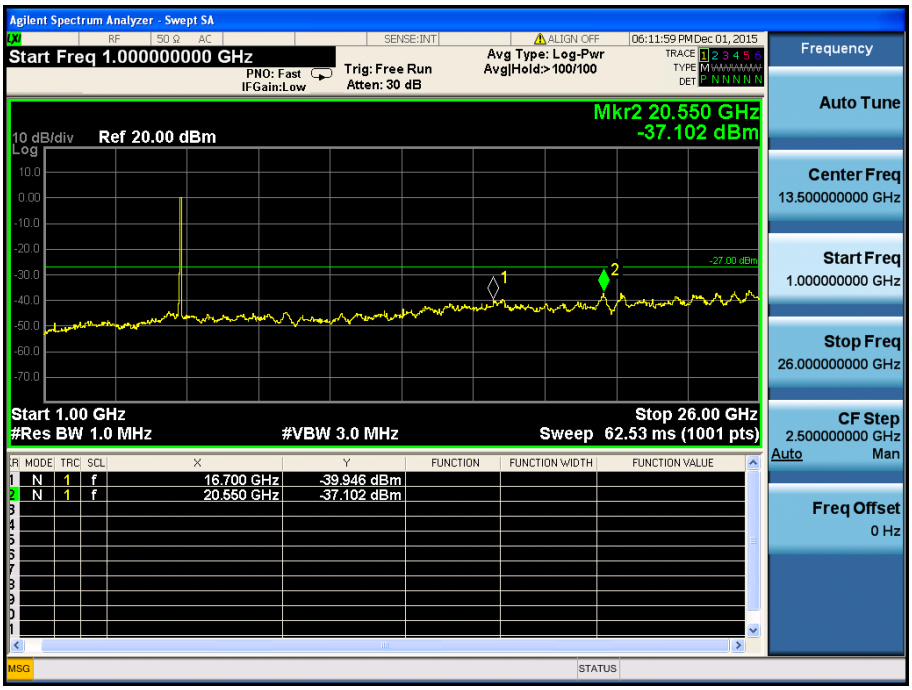
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:47:15 PM Dec 01, 2015
Mkr2 5.725 00 GHz
-36.273 dBm
10 dB/div
Log
Ref 30.00 dBm
-26.00 dBm
Start 5.70000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.78000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.736 16 GHz -5.346 dBm
2 N 1 f 5.725 00 GHz -36.273 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MSG
STATUS

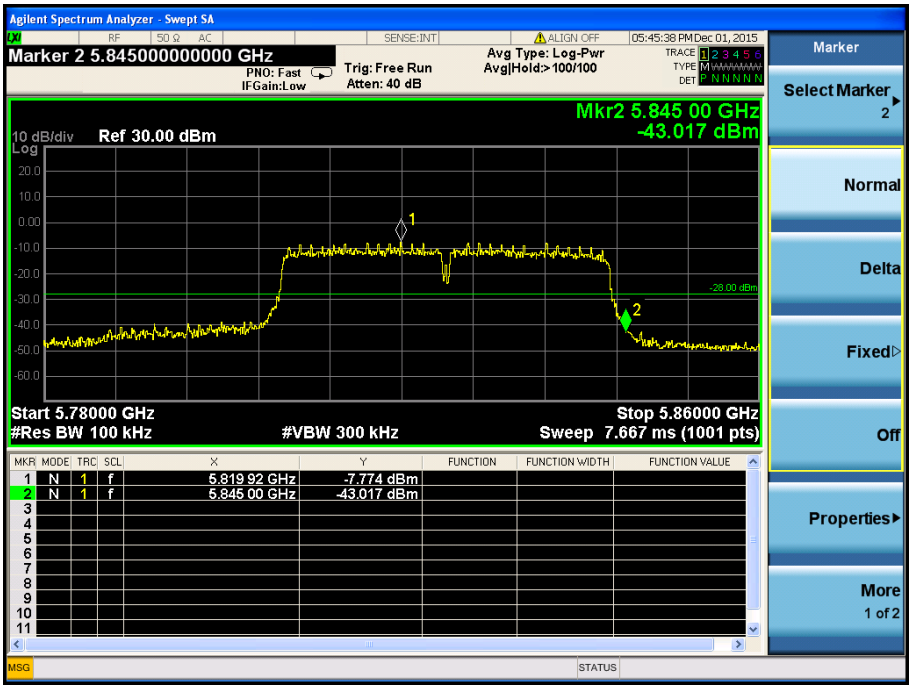

Agilent Spectrum Analyzer - Swept SA
Display Line -26.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
06:11:07 PM Dec 01, 2015
Mkr2 24.500 GHz
-37.232 dBm
10 dB/div
Log
Ref 20.00 dBm
-26.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.575 GHz -38.370 dBm
2 N 1 f 24.500 GHz -37.232 dBm
Display
Annotation
Title
Graticule On Off
Display Line -26.00 dBm On Off
System Display Settings
MSG
STATUS

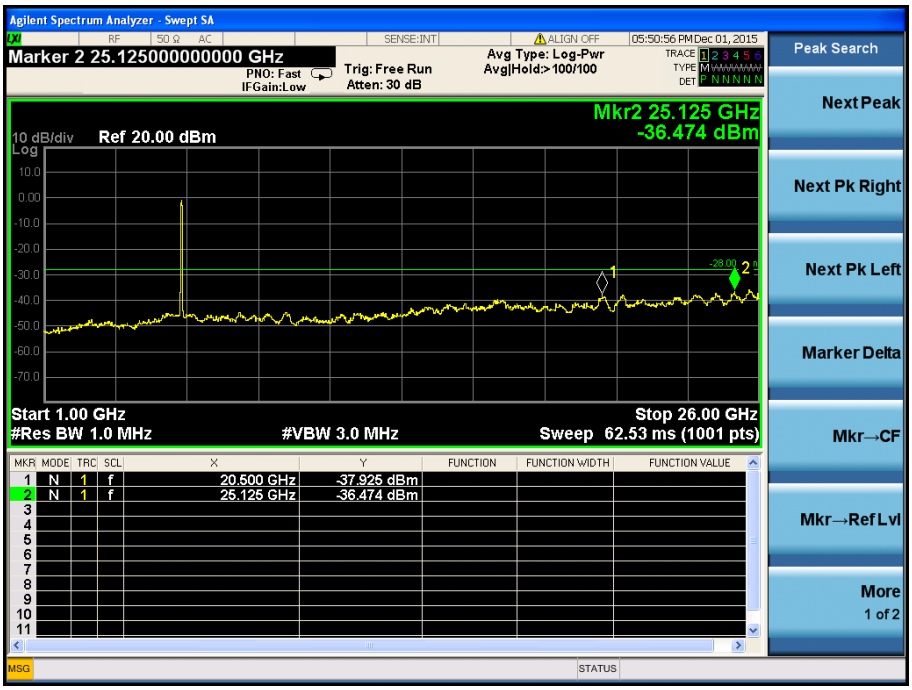
5785MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -27.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:46:28 PM Dec 01, 2015
Mkr1 5.779 92 GHz
-6.887 dBm
10 dB/div
Ref 30.00 dBm
Log
-27.00 dBm
Start 5.74000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.82000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.779 92 GHz -6.887 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-27.00 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:>100/100
06:11:59 PM Dec 01, 2015
Mkr2 20.550 GHz
-37.102 dBm
10 dB/div
Ref 20.00 dBm
Log
-27.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 16.700 GHz -39.946 dBm
2 N 1 f 20.550 GHz -37.102 dBm
Frequency
Auto Tune
Center Freq
13.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.000000000 GHz
CF Step
2.500000000 GHz
Auto Man
Freq Offset
0 Hz
MSG
STATUS

5825MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.845000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:45:38 PM Dec 01, 2015
Mkr2 5.845 00 GHz
-43.017 dBm
10 dB/div
Log
Ref 30.00 dBm
-28.00 dBm
Start 5.78000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.86000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.819 92 GHz -7.774 dBm
2 N 1 f 5.845 00 GHz -43.017 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 2 25.125000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
05:50:56 PM Dec 01, 2015
Mkr2 25.125 GHz
-36.474 dBm
10 dB/div
Log
Ref 20.00 dBm
-28.00 dBm
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 26.00 GHz
Sweep 62.53 ms (1001 pts)
1 N 1 f 20.500 GHz -37.925 dBm
2 N 1 f 25.125 GHz -36.474 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More 1 of 2
MSG
STATUS

10. Frequency Stability

10.1 Standard Applicable

According to §15.407(g), Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

10.2 Test Procedure

According to §2.1055, the following test procedure was performed.
The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.
The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode

Temperature:	Supply Voltage
20°C	85-115% of declared nominal voltage
-30°C to +50°C	Normal

10.3 Environmental Conditions

Temperature:	20°C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

10.4 Summary of Test Results/Plots

5150-5250MHz

802.11n_HT20

Reference Frequency(Middle Channel): 5200 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	3.3	141	0.0269
40	3.3	128	0.0244
30	3.3	124	0.0237
20	3.3	154	0.0294
10	3.3	114	0.0218
0	3.3	134	0.0256
-10	3.3	147	0.0281
-20	3.3	118	0.0225
-30	3.3	126	0.0240

802.11n_HT40

Reference Frequency(Middle Channel): 5200 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	3.3	141	0.0270
40	3.3	145	0.0277
30	3.3	141	0.0270
20	3.3	131	0.0250
10	3.3	148	0.0283
0	3.3	152	0.0291
-10	3.3	158	0.0302
-20	3.3	151	0.0289
-30	3.3	149	0.0285

5725-5850MHz

802.11n_HT20

Reference Frequency(Middle Channel): 5785MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	3.3	117	0.0267
40	3.3	127	0.0260
30	3.3	145	0.0271
20	3.3	154	0.0260
10	3.3	165	0.0265
0	3.3	185	0.0278
-10	3.3	154	0.0288
-20	3.3	181	0.0278
-30	3.3	157	0.0285

802.11n_HT40

Reference Frequency(Middle Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	3.3	141	0.0254
40	3.3	148	0.0262
30	3.3	147	0.0251
20	3.3	134	0.0227
10	3.3	115	0.0227
0	3.3	185	0.0314
-10	3.3	155	0.0222
-20	3.3	152	0.0219
-30	3.3	145	0.0257

So, Frequency Stability Versus Input Voltage is:

5150-5250MHz

802.11n_HT20

Reference Frequency(Middle Channel): 5200 MHz			
Environment Temperature (°C)	Power Supplied (VAC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	2.8	145	0.0277
	3.3	148	0.0282
	3.8	152	0.0290

802.11n_HT40

Reference Frequency(Middle Channel): 5200 MHz			
Environment Temperature (°C)	Power Supplied (VAC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	2.8	145	0.0257
	3.3	148	0.0268
	3.8	152	0.0284

5725-5850MHz

802.11n_HT20

Reference Frequency(Middle Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VAC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	2.8	184	0.0325
	3.3	149	0.0286
	3.8	158	0.0303

802.11n_HT40

Reference Frequency(Middle Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VAC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	2.8	184	0.0257
	3.3	149	0.0388
	3.8	158	0.0342

******* END OF REPORT *******