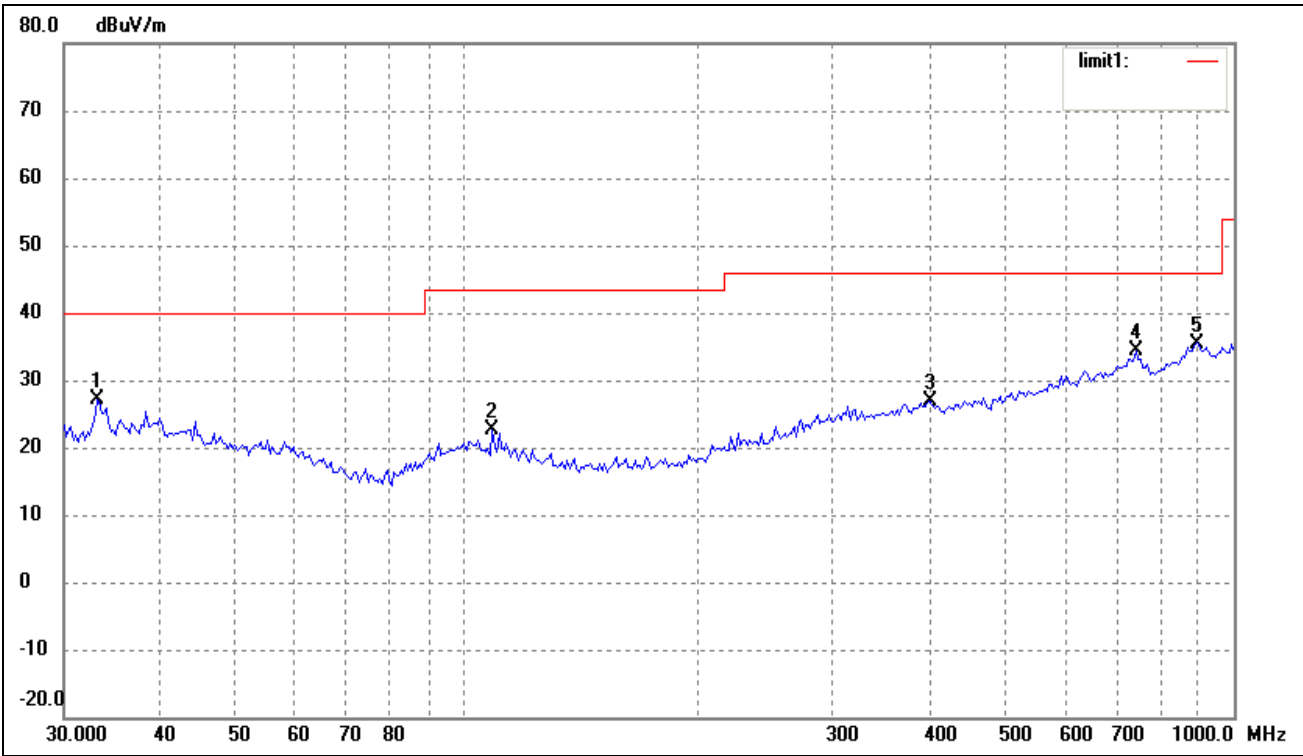


For 802.11n-HT40

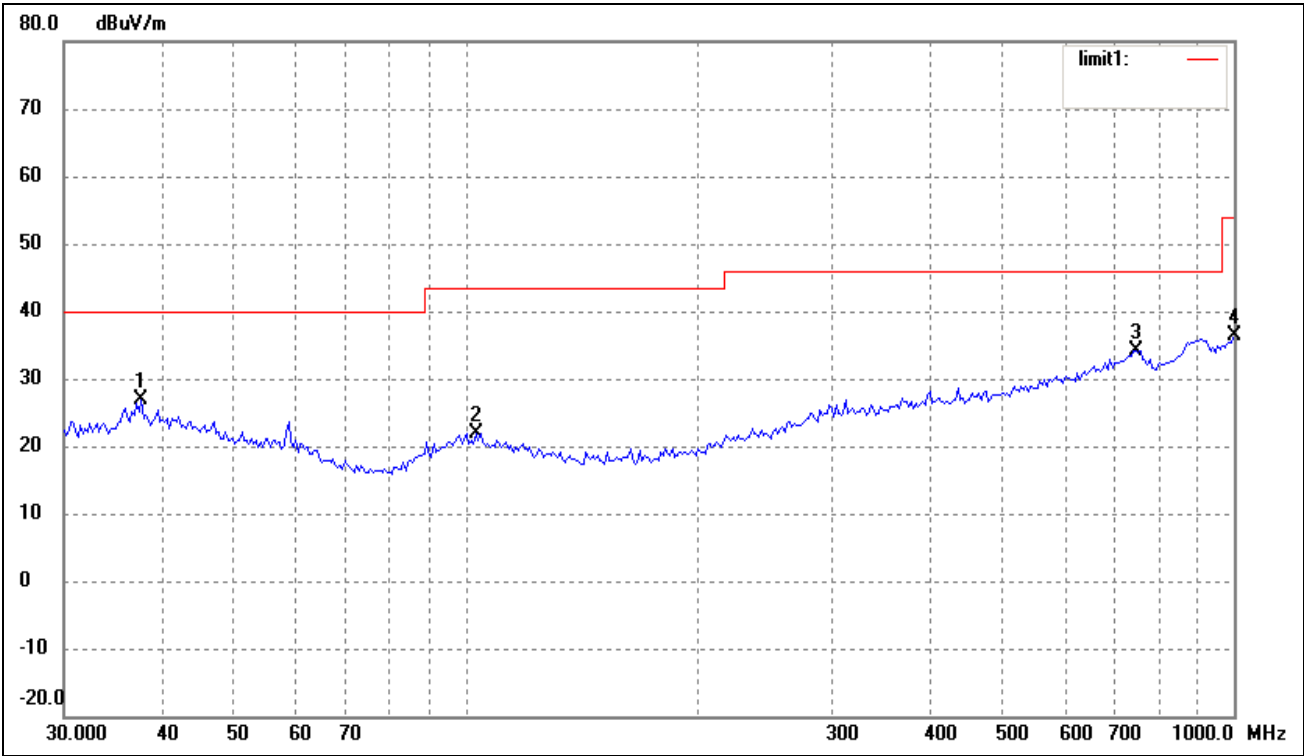
Test mode: Transmitting Channel 5190MHz

Horizontal



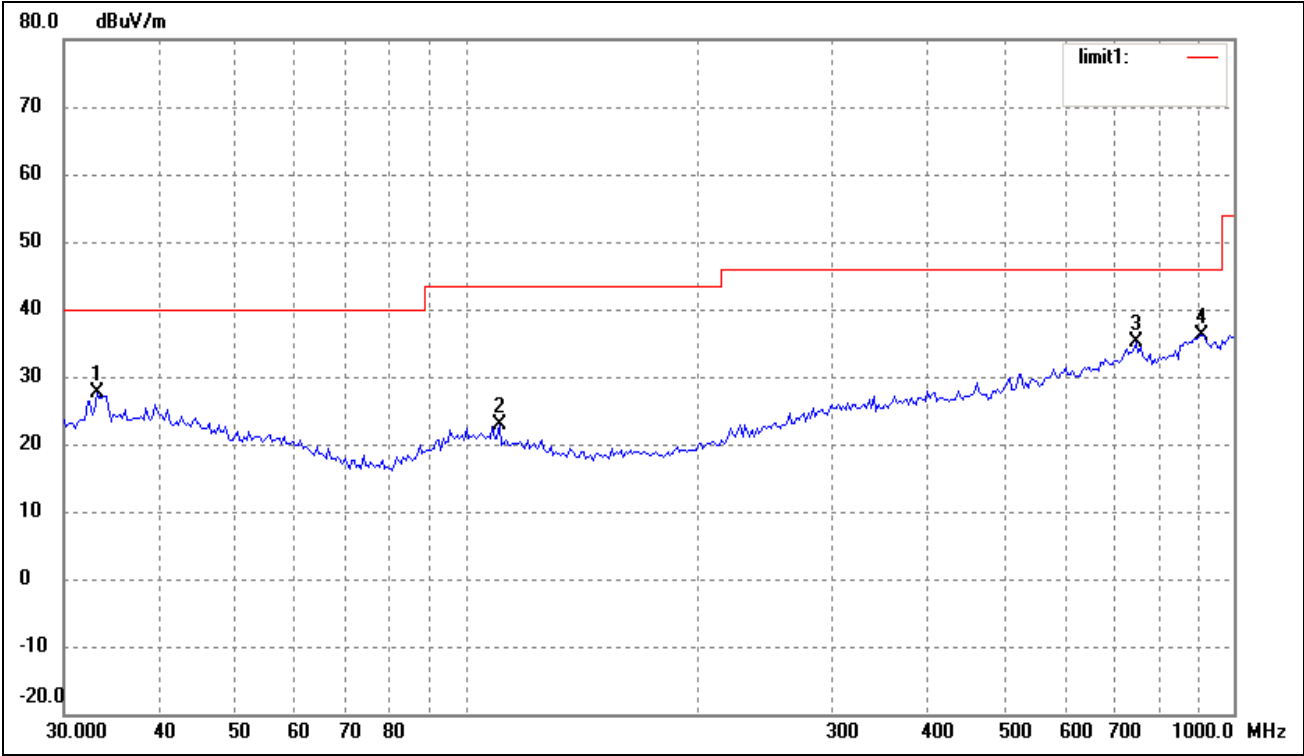
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	33.0950	18.58	8.56	27.14	40.00	-12.86	254	100	peak
2	108.2667	16.51	6.02	22.53	43.50	-20.97	113	100	peak
3	401.8385	15.51	11.47	26.98	46.00	-19.02	284	100	peak
4	744.8661	16.35	17.95	34.30	46.00	-11.70	360	100	peak
5	893.8567	16.23	19.27	35.50	46.00	-10.50	100	100	peak

Test Specification: Vertical



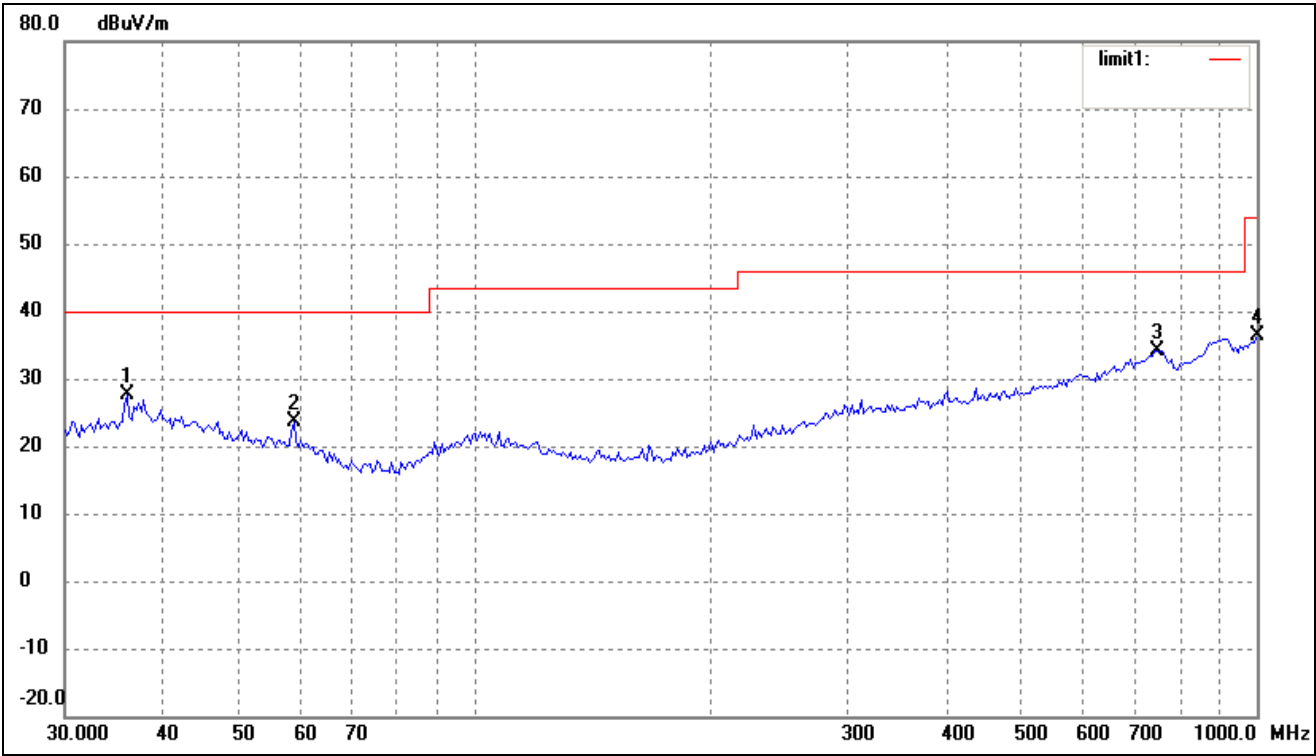
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	37.8121	17.52	9.33	26.85	40.00	-13.15	114	100	peak
2	103.0800	15.37	6.54	21.91	43.50	-21.59	270	100	peak
3	744.8661	16.16	17.95	34.11	46.00	-11.89	360	100	peak
4	1000.0000	16.41	19.90	36.31	54.00	-17.69	116	100	peak

Test mode: Transmitting Channel 5230MHz
Horizontal



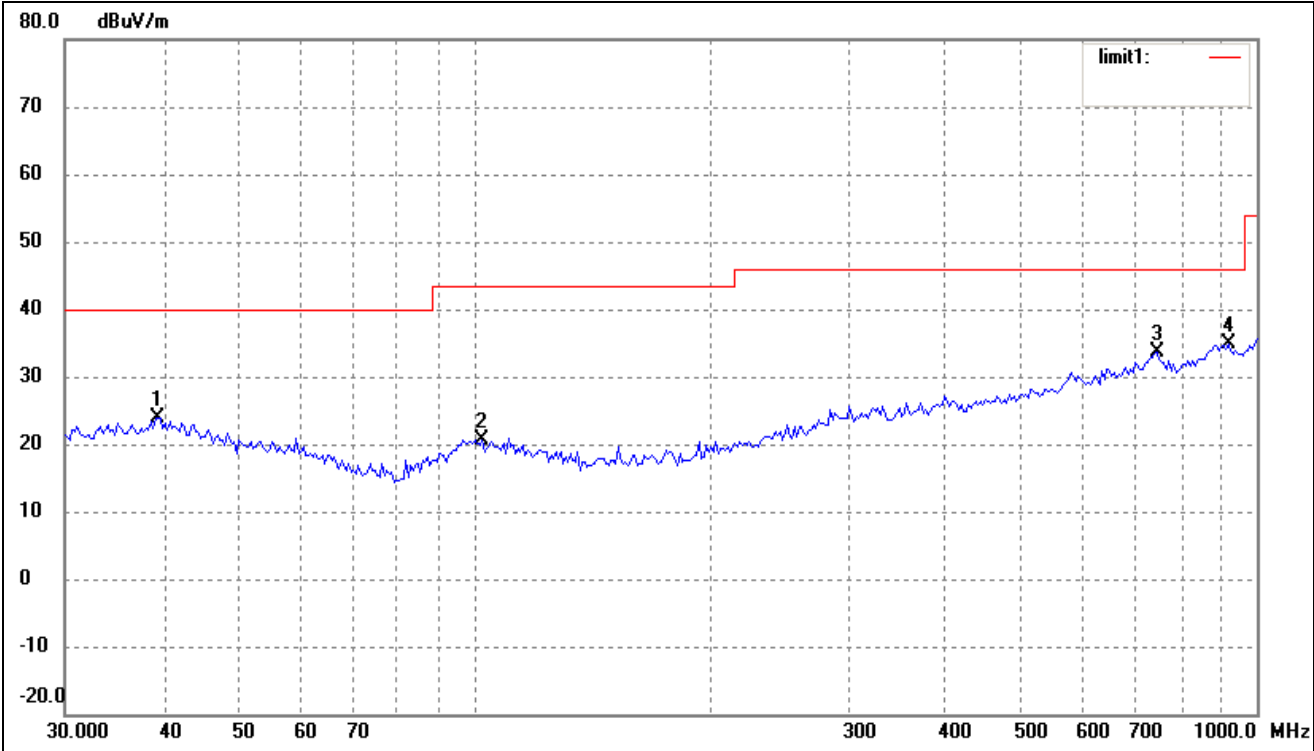
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.0950	19.05	8.56	27.61	40.00	-12.39	178	100	peak
2	110.5687	16.99	5.80	22.79	43.50	-20.71	224	100	peak
3	744.8661	17.06	17.95	35.01	46.00	-10.99	160	100	peak
4	906.4824	16.94	19.15	36.09	46.00	-9.91	290	100	peak

Test Specification: Vertical



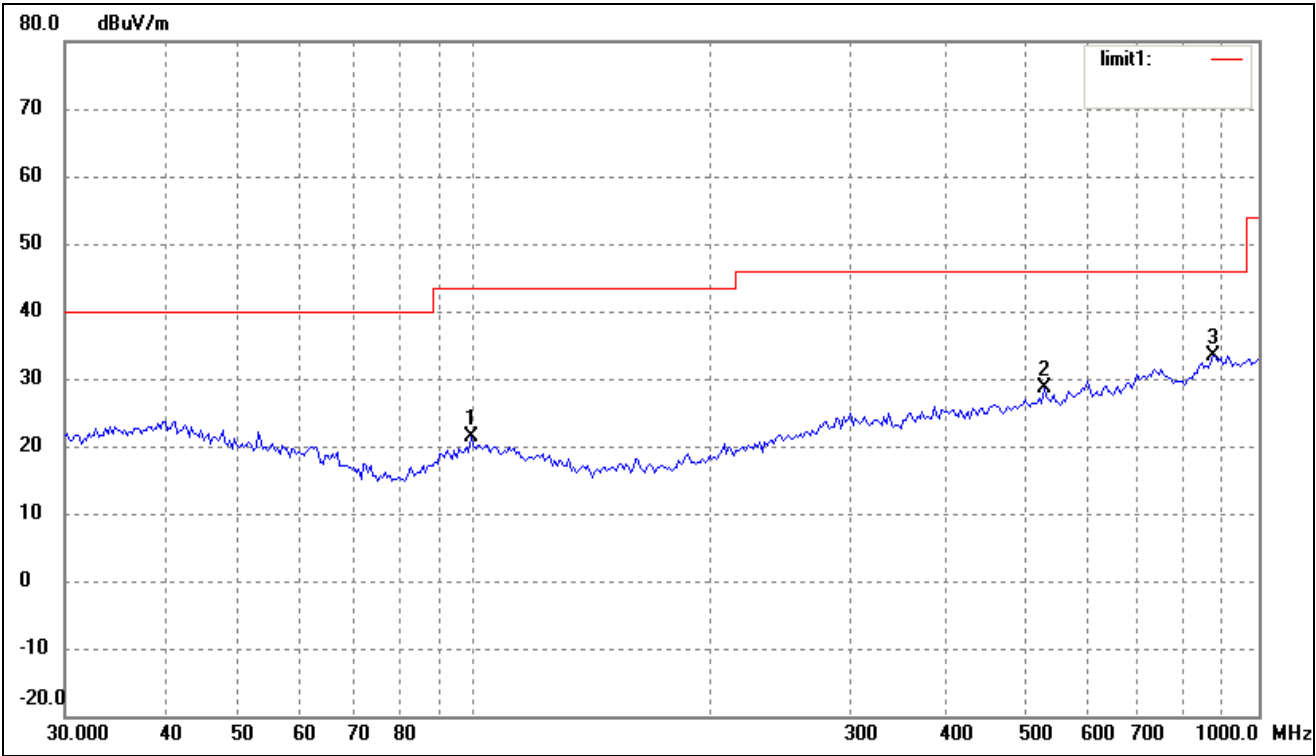
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	36.0007	18.59	9.04	27.63	40.00	-12.37	256	100	peak
2	58.8185	17.75	5.81	23.56	40.00	-16.44	360	100	peak
3	744.8661	16.16	17.95	34.11	46.00	-11.89	360	100	peak
4	1000.0000	16.41	19.90	36.31	54.00	-17.69	360	100	peak

Test mode: Transmitting Channel 5765MHz
Horizontal



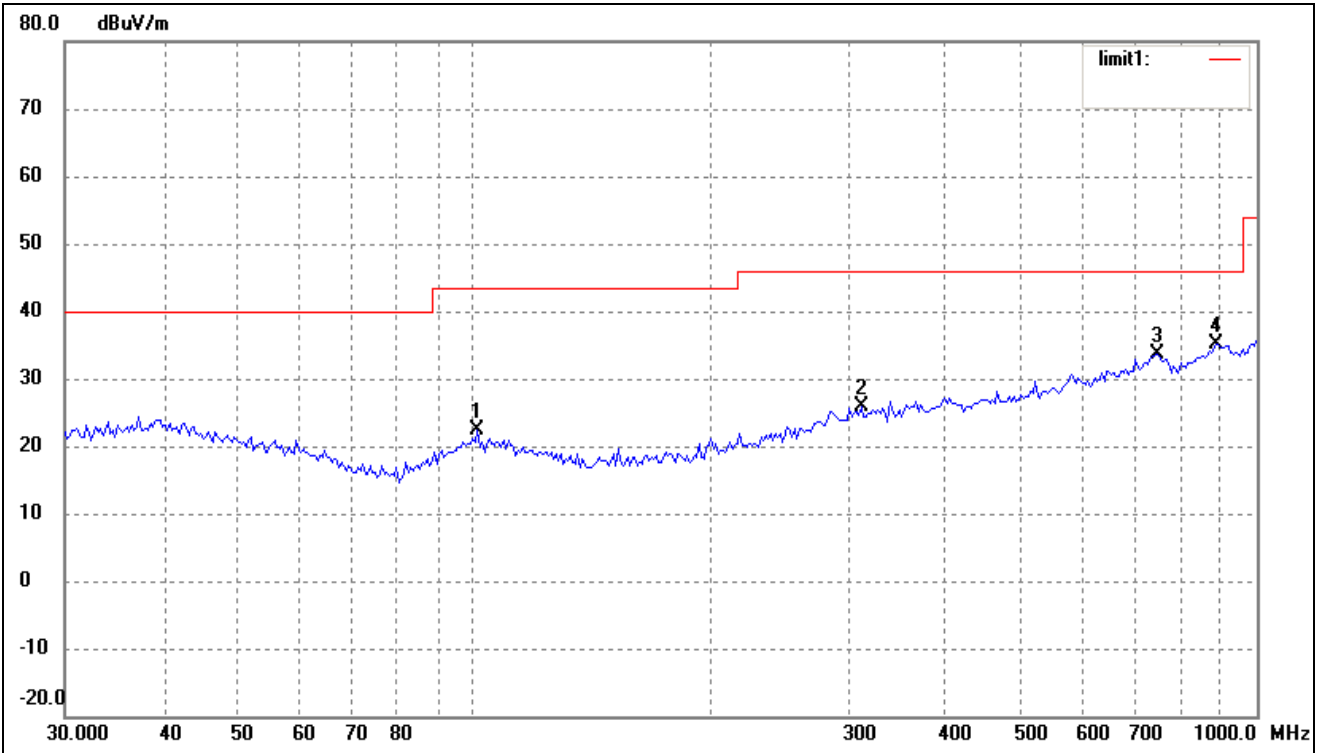
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	39.4372	14.37	9.60	23.97	40.00	-16.03	260	100	peak
2	102.3597	14.14	6.61	20.75	43.50	-22.75	131	200	peak
3	744.8661	15.61	17.95	33.56	46.00	-12.44	285	200	peak
4	919.2866	16.27	18.70	34.97	46.00	-11.03	224	100	peak

Test Specification: Vertical



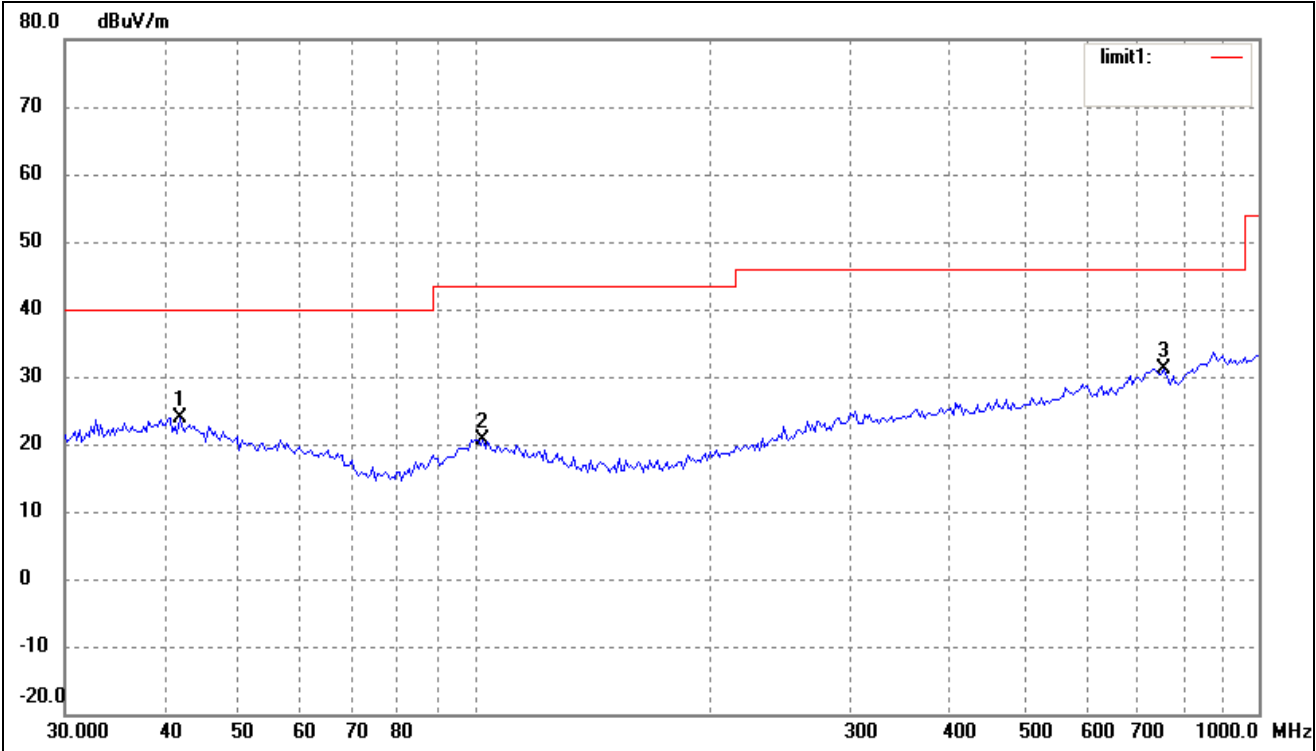
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	98.8326	15.53	5.84	21.37	43.50	-22.13	274	100	peak
2	531.9635	17.31	11.32	28.63	46.00	-17.37	116	100	peak
3	875.2470	16.71	16.70	33.41	46.00	-12.59	82	100	peak

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	100.9340	15.68	6.75	22.43	43.50	-21.07	274	100	peak
2	312.1794	15.59	10.36	25.95	46.00	-20.05	116	100	peak
3	744.8661	15.61	17.95	33.56	46.00	-12.44	82	100	peak
4	887.6099	15.93	19.15	35.08	46.00	-10.92	134	100	peak

Test Specification: Vertical

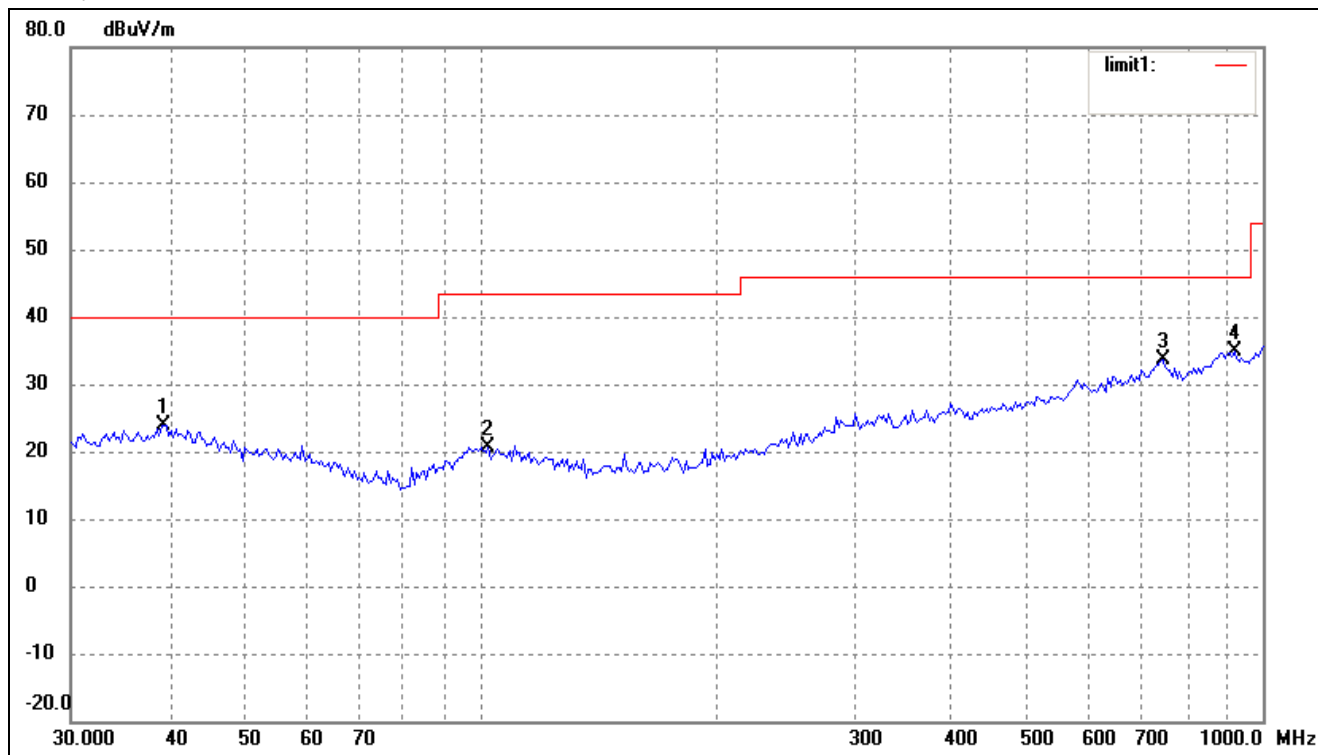


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.0066	15.29	8.65	23.94	40.00	-16.06	360	100	peak
2	102.3597	14.80	5.88	20.68	43.50	-22.82	112	100	peak
3	755.3873	16.28	14.86	31.14	46.00	-14.86	180	200	peak

For 802.11ac-HT80

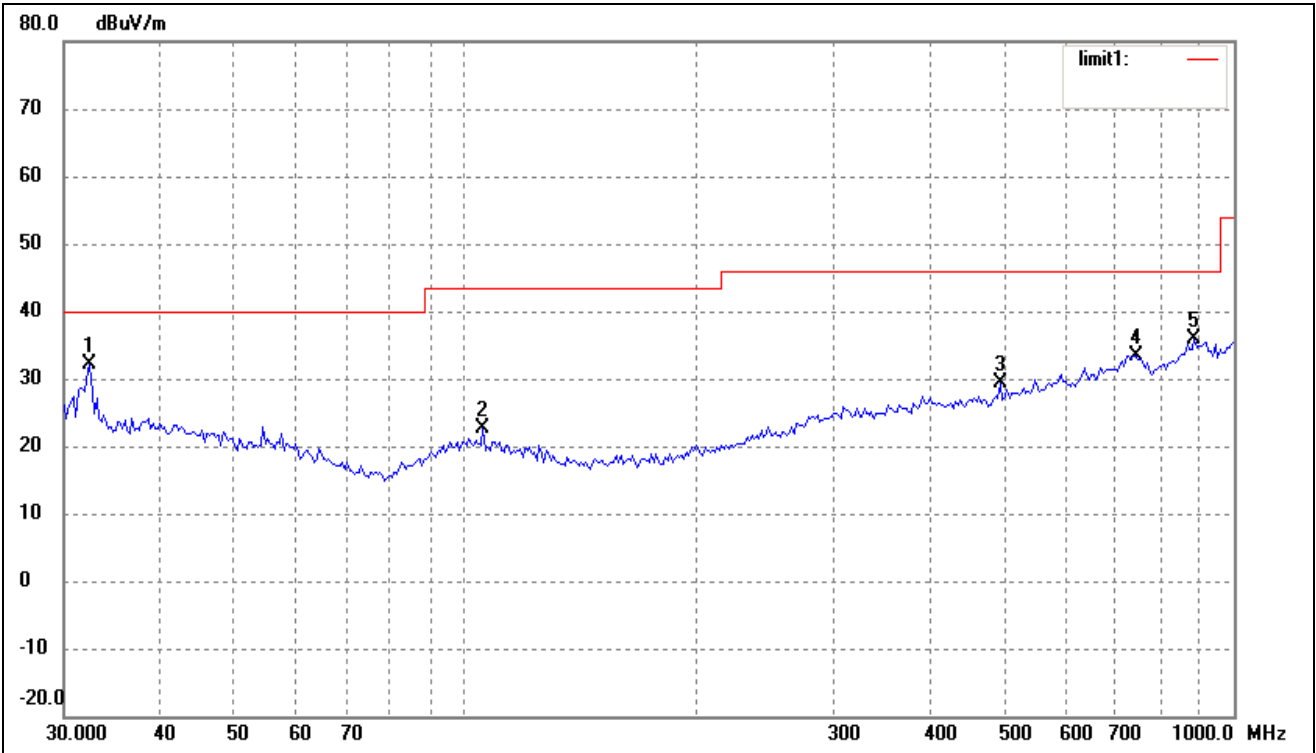
Test mode: Transmitting Channel 5210MHz

Horizontal



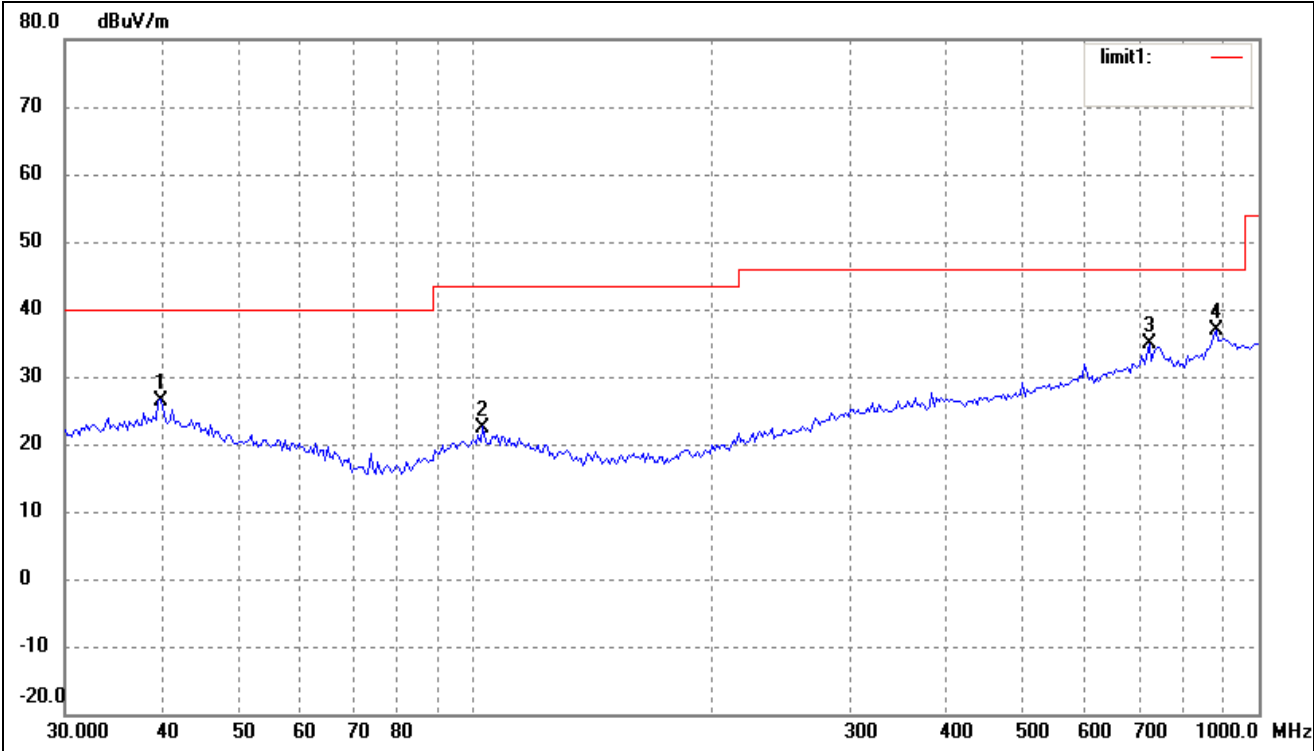
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	39.4372	14.37	9.60	23.97	40.00	-16.03	260	100	peak
2	102.3597	14.14	6.61	20.75	43.50	-22.75	131	200	peak
3	744.8661	15.61	17.95	33.56	46.00	-12.44	285	200	peak
4	919.2866	16.27	18.70	34.97	46.00	-11.03	224	100	peak

Test Specification: Vertical



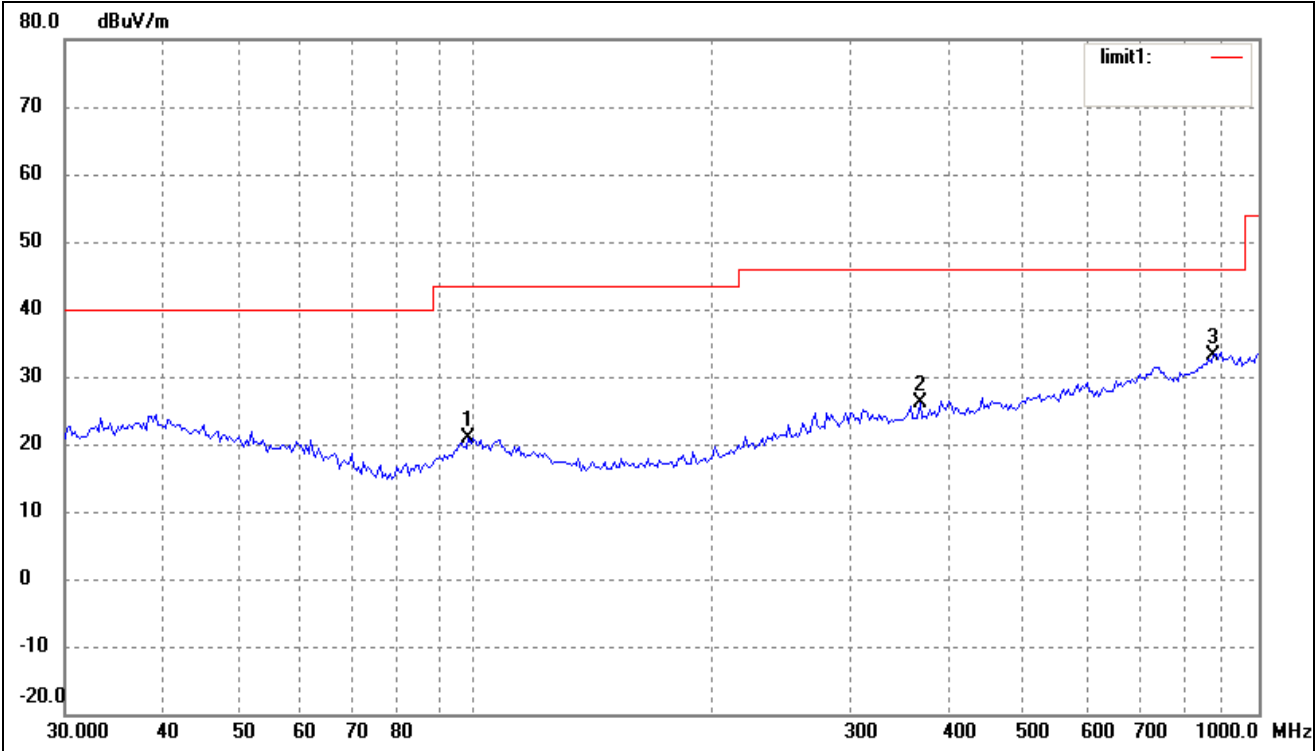
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	32.4059	23.69	8.44	32.13	40.00	-7.87	155	100	peak
2	105.2718	16.25	6.32	22.57	43.50	-20.93	197	100	peak
3	495.9344	17.25	12.04	29.29	46.00	-16.71	310	100	peak
4	744.8661	15.46	17.95	33.41	46.00	-12.59	229	100	peak
5	887.6099	16.71	19.15	35.86	46.00	-10.14	130	100	peak

Test mode: Transmitting Channel 5785MHz
Horizontal



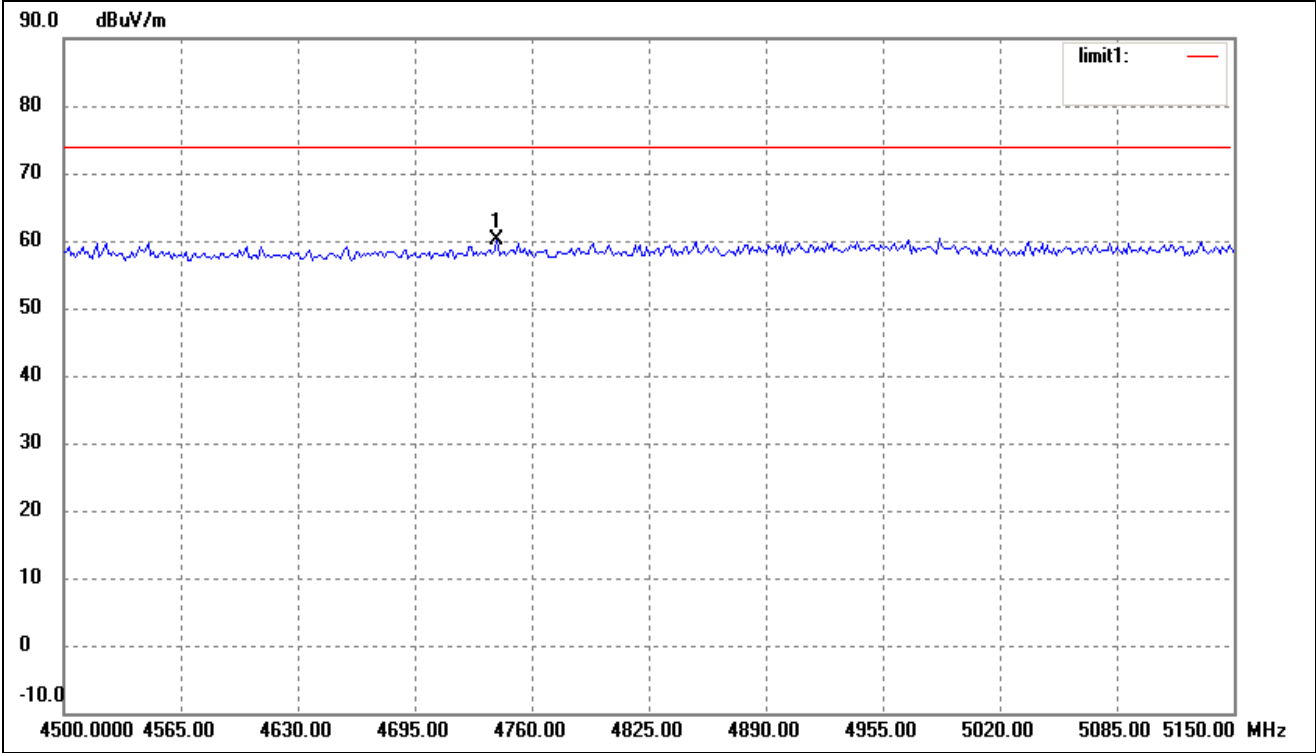
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	39.7147	16.86	9.64	26.50	40.00	-13.50	360	100	peak
2	102.3597	15.89	6.61	22.50	43.50	-21.00	112	100	peak
3	724.2611	18.01	16.93	34.94	46.00	-11.06	180	200	peak
4	881.4067	17.84	19.03	36.87	46.00	-9.13	270	200	peak

Test Specification: Vertical



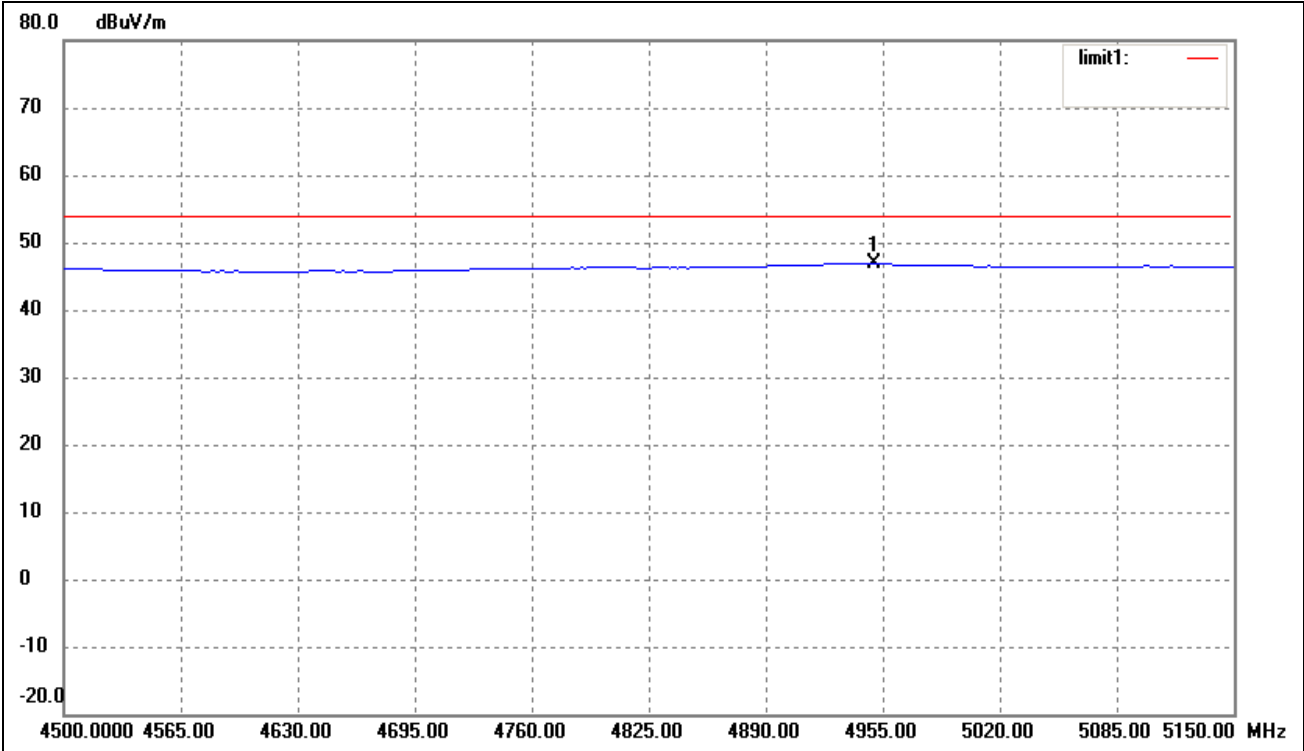
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	98.1419	15.19	5.67	20.86	43.50	-22.64	267	100	peak
2	369.4047	16.92	9.23	26.15	46.00	-19.85	114	200	peak
3	875.2470	16.54	16.70	33.24	46.00	-12.76	35	200	peak

For 802.11a
Spurious Emission above 1GHz
For the frequency band 5.18-5.24GHz(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	4740.500	29.65	30.41	60.06	74.00	-13.94	360	100	peak

Restricted Bandedge Average



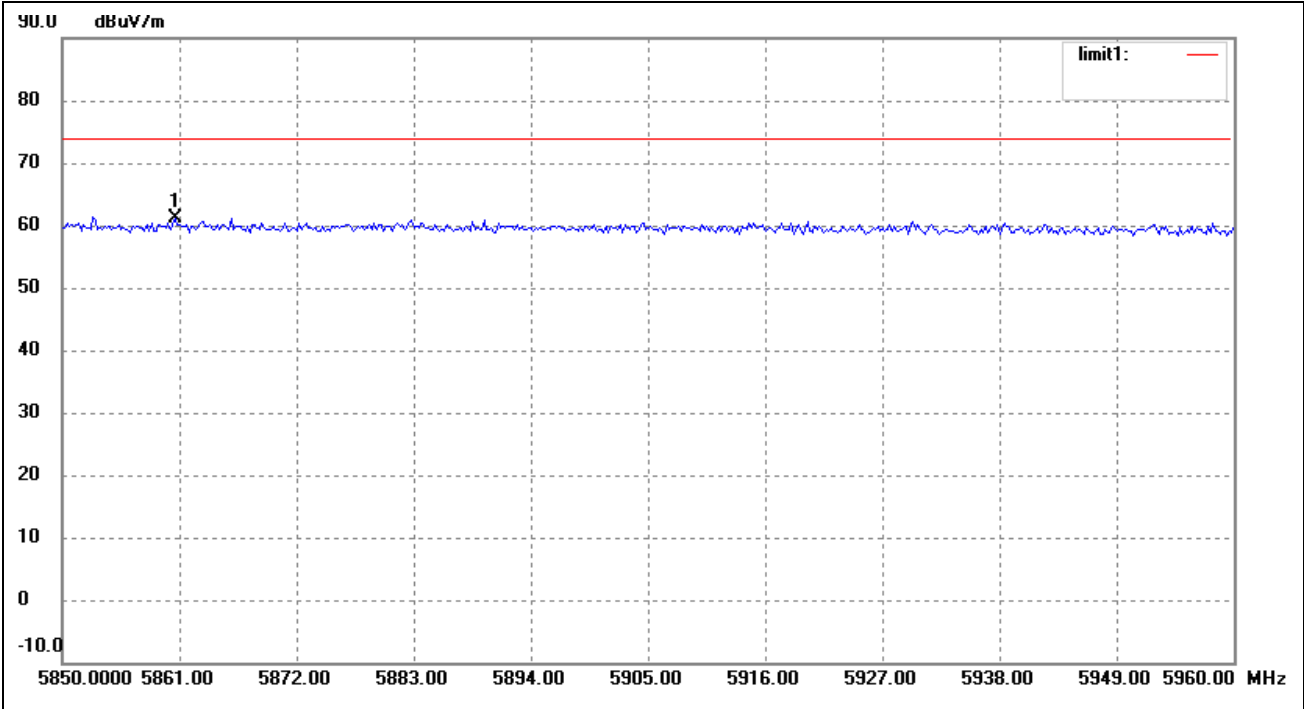
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	4949.800	16.13	30.71	46.84	54.00	-7.16	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

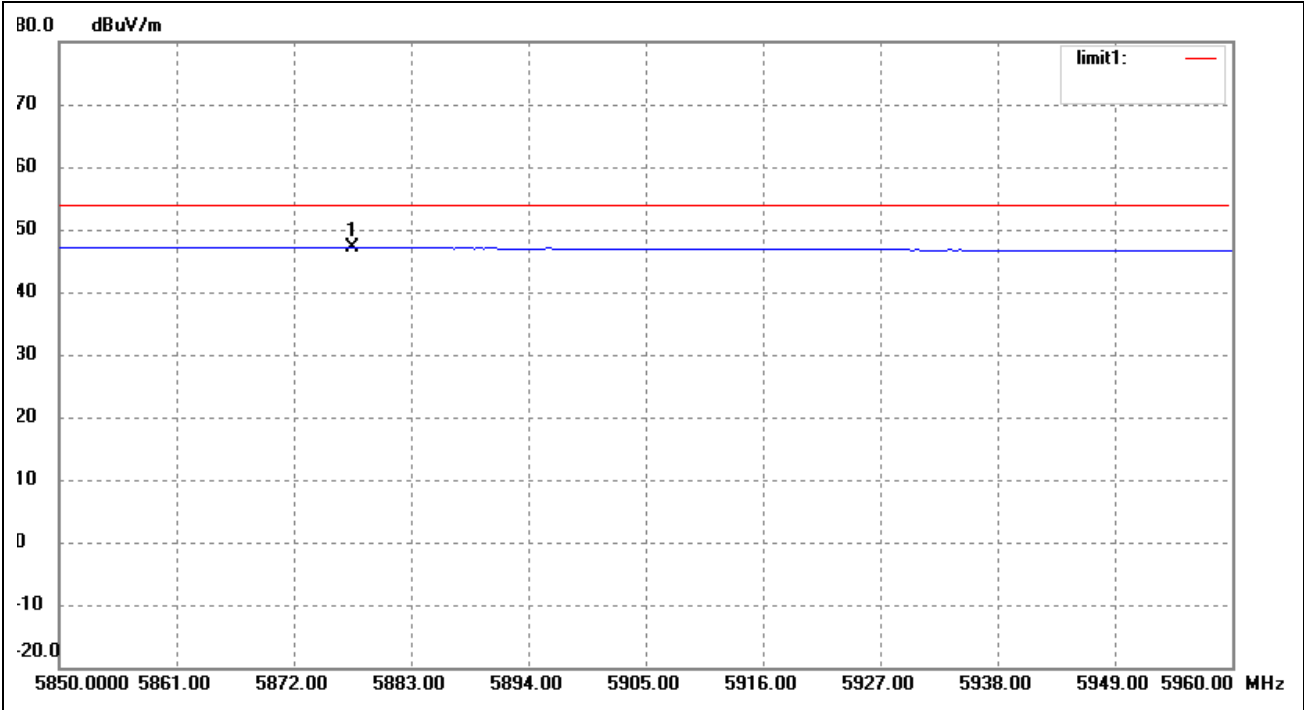
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5180MHz)										
15540	PK	50.8	360	V	40.7	10.9	39.6	62.8	74	-11.2
15540	PK	49.4	360	H	40.7	10.9	39.6	61.4	74	-12.6
15540	AV	35.6	360	V	40.7	10.9	39.6	47.6	54	-6.4
15540	AV	34.7	360	H	40.7	10.9	39.6	46.7	54	-7.3
High Channel (5240MHz)										
15720	PK	51.1	360	V	40.7	10.9	39.6	63.1	74	-10.9
15720	PK	50.3	360	H	40.7	10.9	39.6	62.3	74	-11.7
15720	AV	35.4	360	V	40.7	10.9	39.6	47.4	54	-6.6
15720	AV	34.3	360	H	40.7	10.9	39.6	46.3	54	-7.7

For the frequency band 5.705-5.850GHz (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	5859.660	30.88	31.23	62.11	74	-11.89	360	100	peak

Restricted Bandedge Average



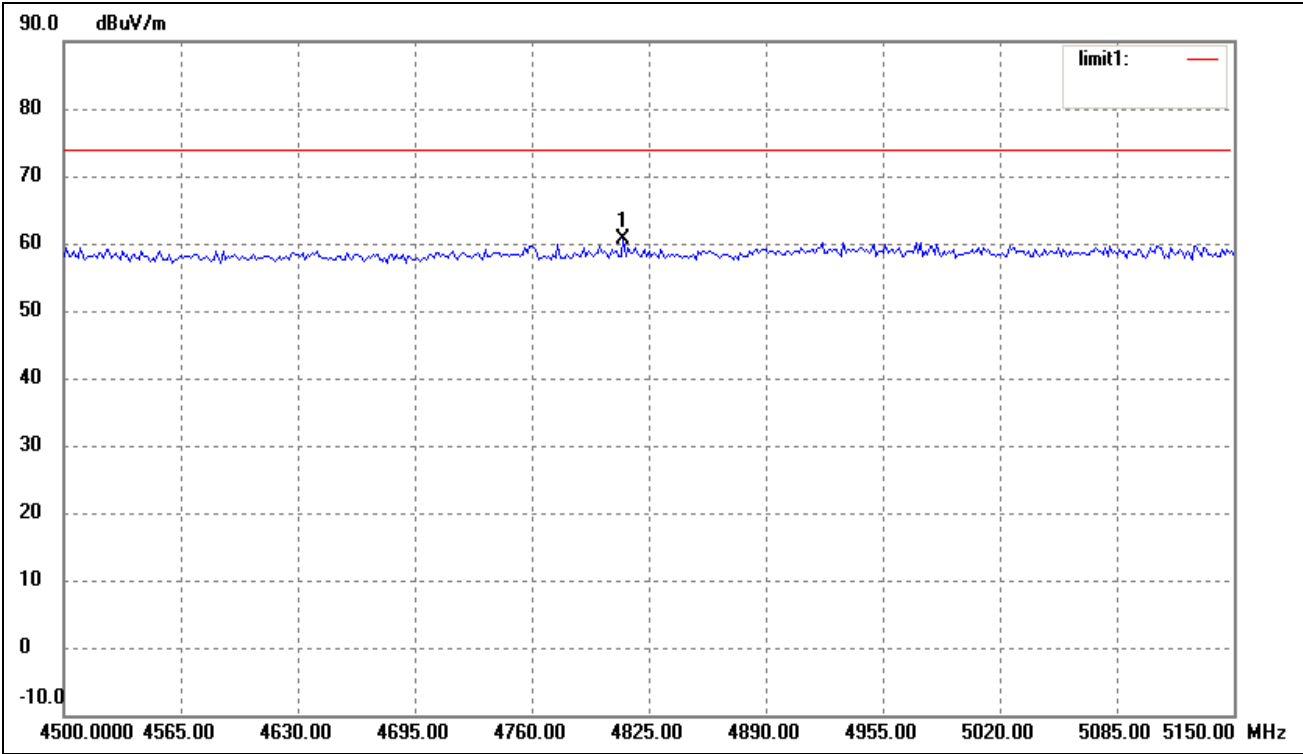
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5876.500	16.92	31.25	48.17	54	-5.83	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

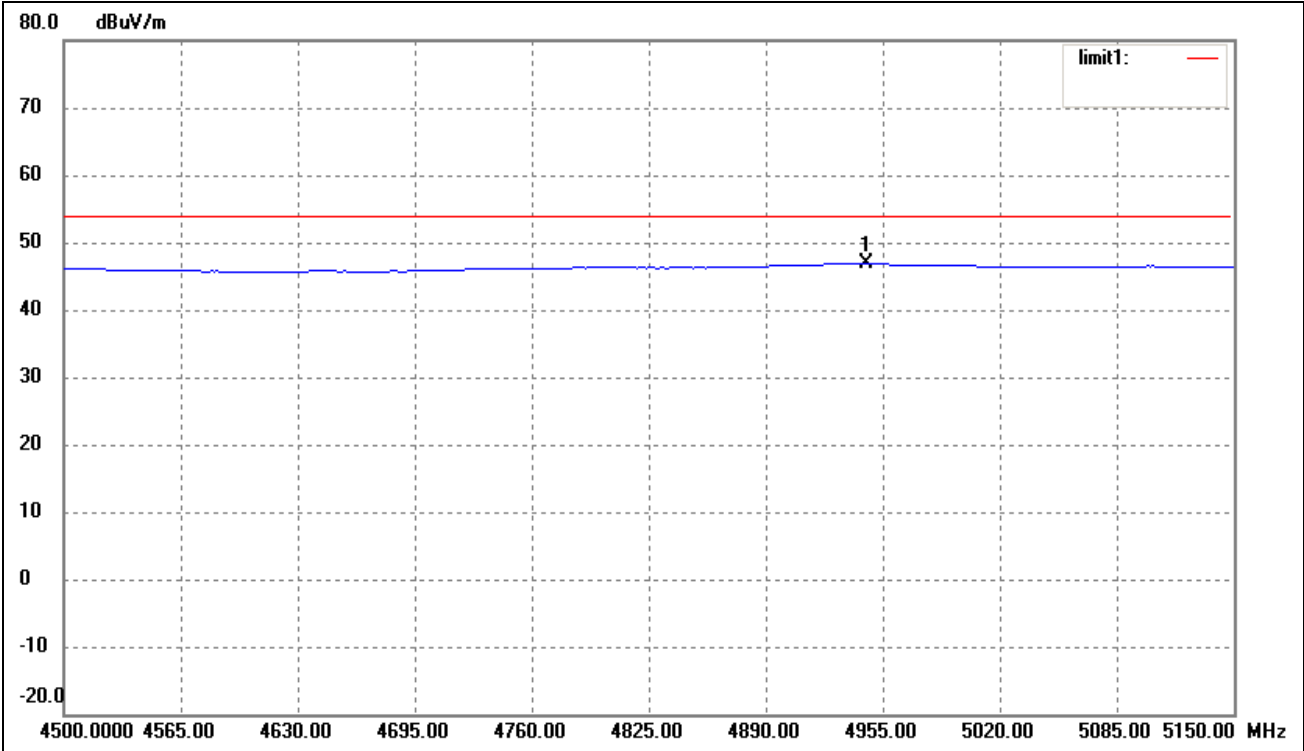
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5725MHz)										
11450	PK	55.8	360	V	38.9	9.8	40.1	64.4	74	-9.6
11450	PK	54.5	360	H	38.9	9.8	40.1	63.1	74	-10.9
11450	AV	36.7	360	V	38.9	9.8	40.1	45.3	54	-8.7
11450	AV	35.0	360	H	38.9	9.8	40.1	43.6	54	-10.4
High Channel (5805MHz)										
11610	PK	54.2	360	V	38.9	9.8	40.1	62.8	74	-11.2
11610	PK	53.1	360	H	38.9	9.8	40.1	61.7	74	-12.3
11610	AV	37.4	360	V	38.9	9.8	40.1	46.0	54	-8.0
11610	AV	36.3	360	H	38.9	9.8	40.1	44.9	54	-9.1

802.11n HT20
For the frequency band 5.18-5.24GHz(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	4810.700	30.04	30.52	60.56	74.00	-13.44	360	100	peak

Restricted Bandedge Average



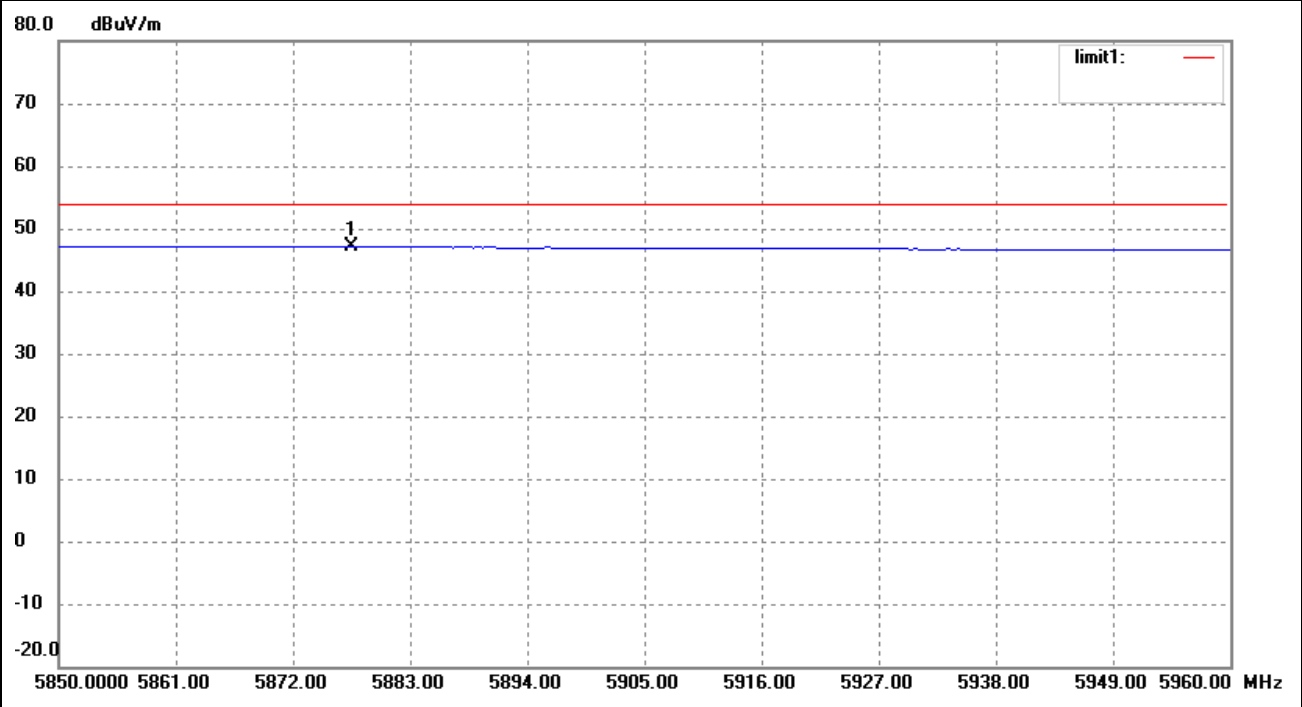
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	4945.900	16.13	30.71	46.84	54.00	-7.16	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

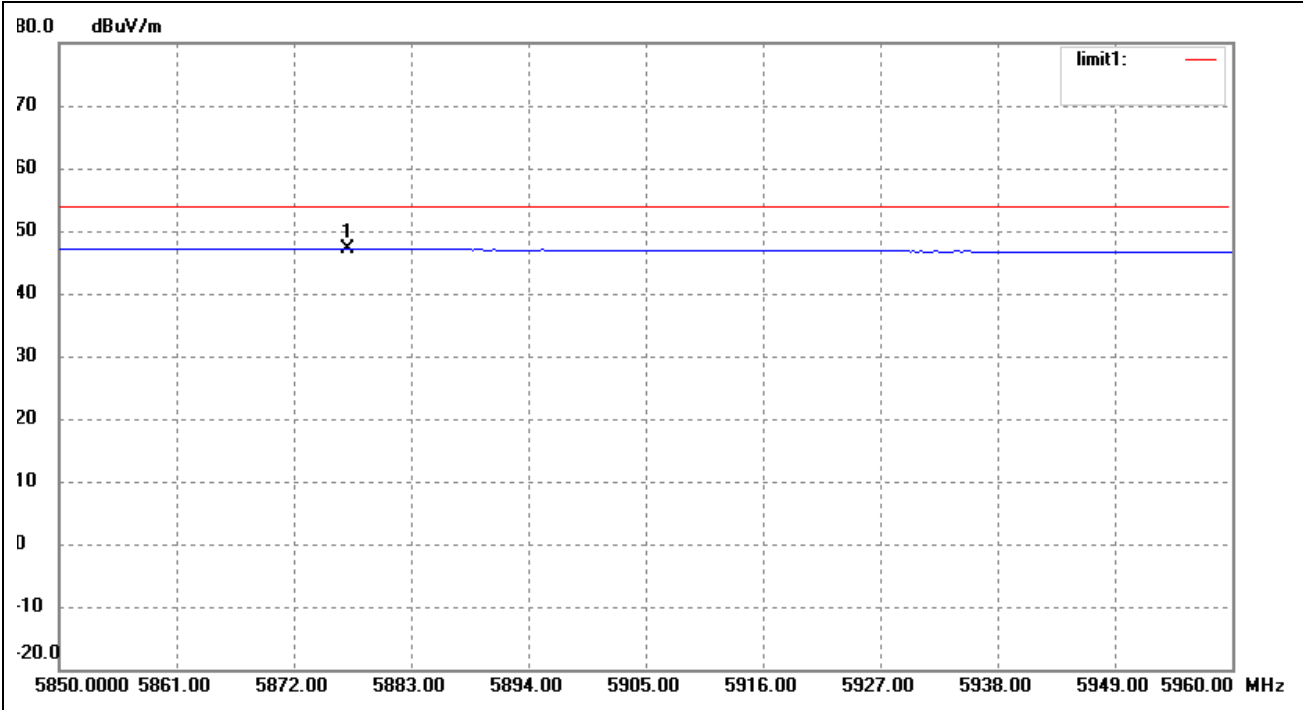
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5180MHz)										
15540	PK	50.9	360	V	40.7	10.9	39.6	62.9	74	-11.1
15540	PK	50.4	360	H	40.7	10.9	39.6	62.4	74	-11.6
15540	AV	34.5	360	V	40.7	10.9	39.6	46.5	54	-7.5
15540	AV	34.6	360	H	40.7	10.9	39.6	46.6	54	-7.4
High Channel (5240MHz)										
15720	PK	50.3	360	V	40.7	10.9	39.6	62.3	74	-11.7
15720	PK	49.5	360	H	40.7	10.9	39.6	61.5	74	-12.5
15720	AV	34.2	360	V	40.7	10.9	39.6	46.2	54	-7.8
15720	AV	33.8	360	H	40.7	10.9	39.6	45.8	54	-8.2

For the frequency band 5.725-5.850GHz (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	5888.480	30.94	31.25	62.19	74	-11.81	360	100	peak

Restricted Bandedge Average



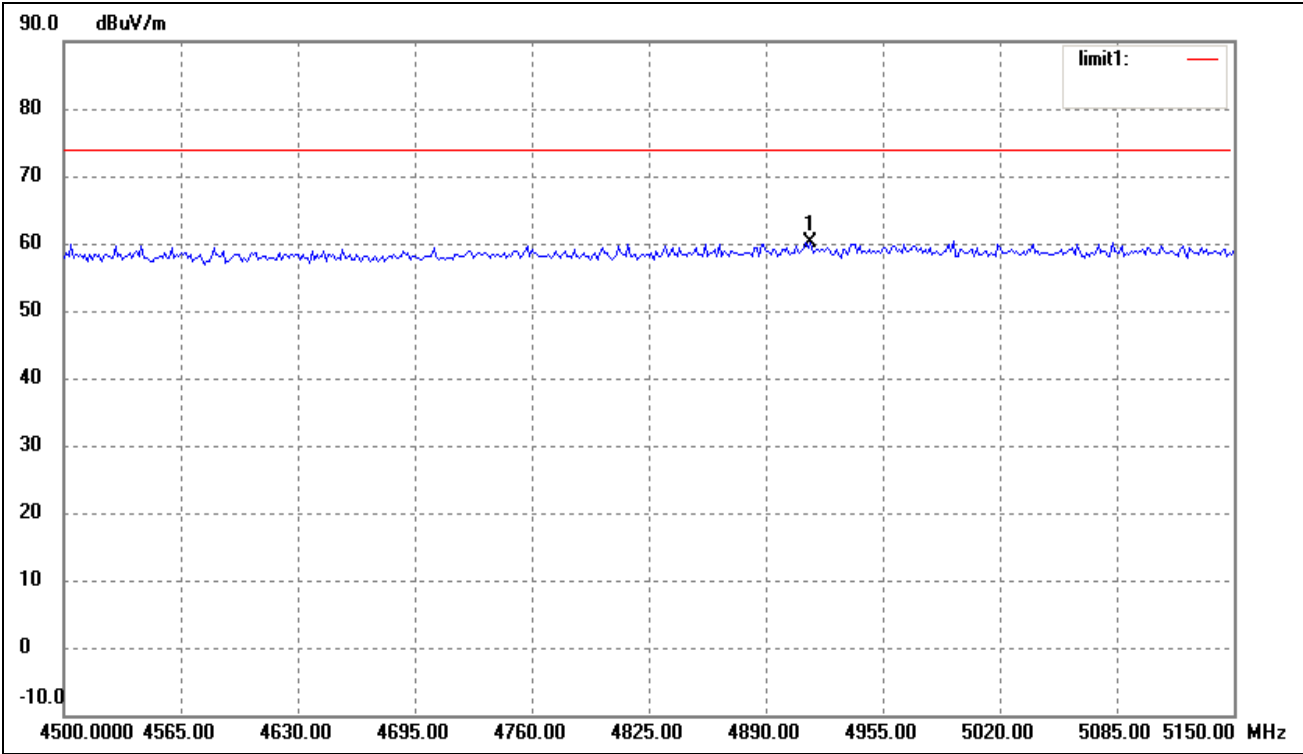
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5878.040	16.92	31.25	48.17	54	-5.83	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

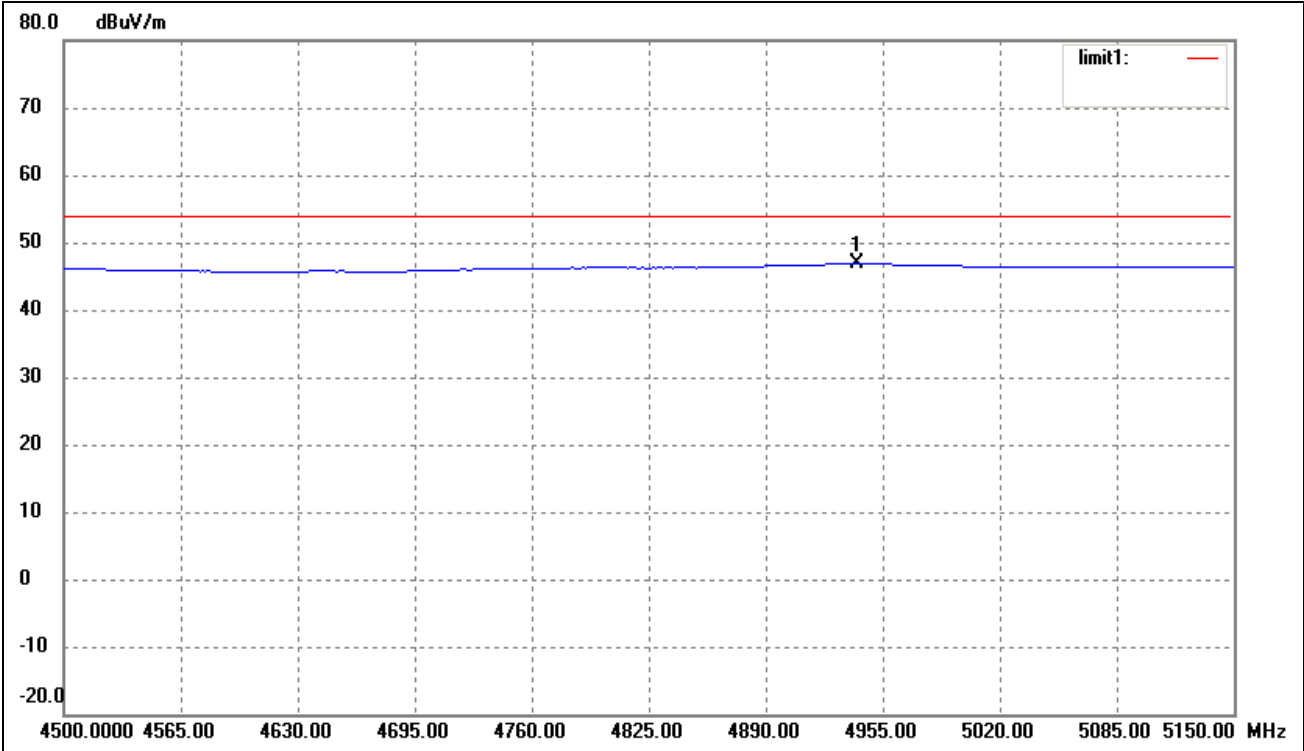
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5725MHz)										
11450	PK	54.3	360	V	38.9	9.8	40.1	62.9	74	-11.1
11450	PK	54.5	360	H	38.9	9.8	40.1	63.1	74	-10.9
11450	AV	35.4	360	V	38.9	9.8	40.1	44.0	54	-10.0
11450	AV	36.1	360	H	38.9	9.8	40.1	44.7	54	-9.3
High Channel (5805MHz)										
11610	PK	54.4	360	V	38.9	9.8	40.1	63.0	74	-11.0
11610	PK	53.6	360	H	38.9	9.8	40.1	62.2	74	-11.8
11610	AV	36.4	360	V	38.9	9.8	40.1	45.0	54	-9.0
11610	AV	34.8	360	H	38.9	9.8	40.1	43.4	54	-10.6

802.11n HT40
For the frequency band 5.19-5.23GHz
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	4914.700	29.57	30.66	60.23	74.00	-13.77	360	100	peak

Restricted Bandedge Average



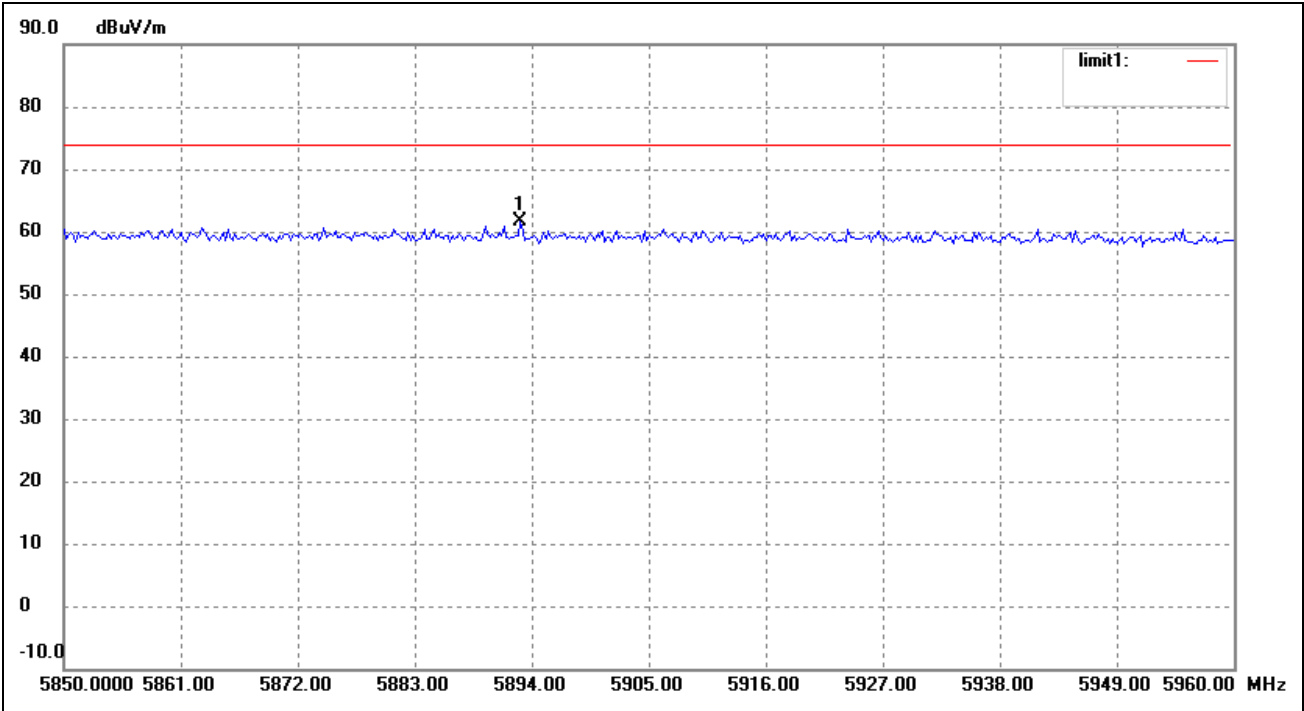
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	4940.700	16.14	30.70	46.84	54.00	-7.16	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

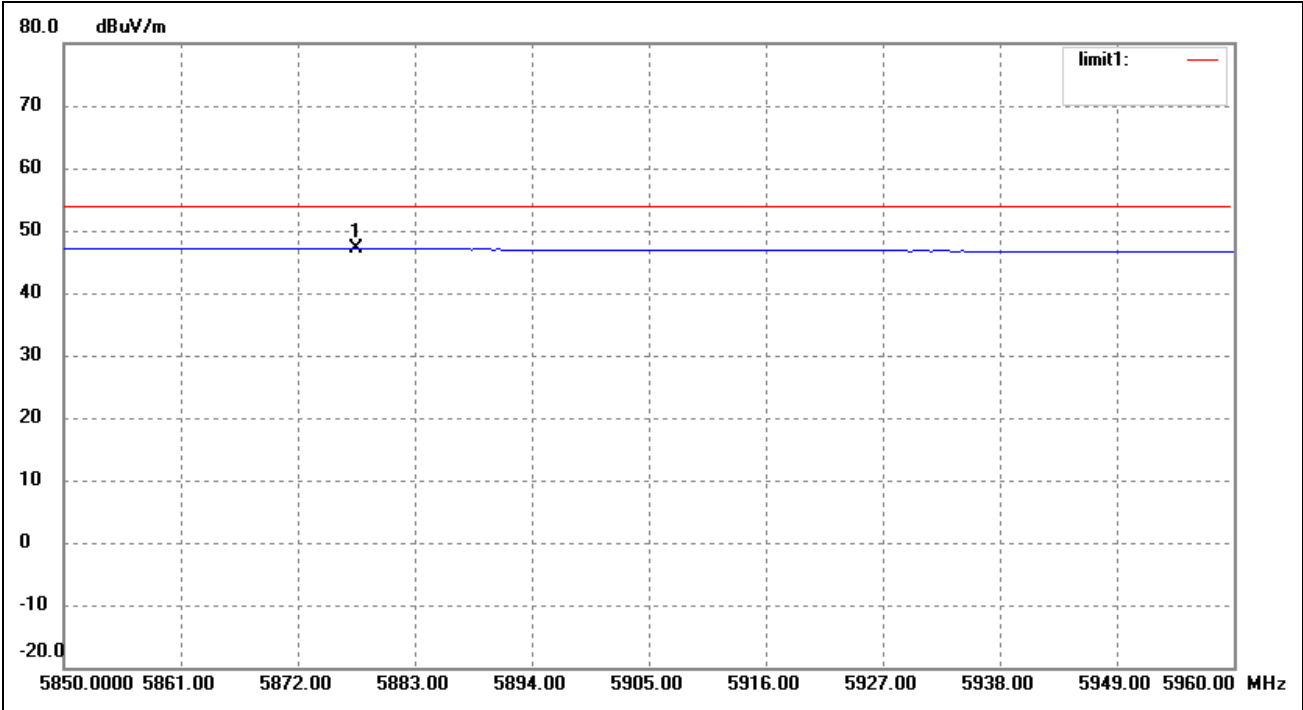
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5190MHz)										
15570	PK	49.4	360	V	40.7	10.9	39.6	61.4	74	-12.6
15570	PK	48.2	360	H	40.7	10.9	39.6	60.2	74	-13.8
15570	AV	33.3	360	V	40.7	10.9	39.6	45.3	54	-8.7
15570	AV	31.2	360	H	40.7	10.9	39.6	43.2	54	-10.8
High Channel (5230MHz)										
15690	PK	48.6	360	V	40.7	10.9	39.6	60.6	74	-13.4
15690	PK	47.4	360	H	40.7	10.9	39.6	59.4	74	-14.6
15690	AV	33.2	360	V	40.7	10.9	39.6	45.2	54	-8.8
15690	AV	31.7	360	H	40.7	10.9	39.6	43.7	54	-10.3

For the frequency band 5.725-5.850GHz (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	5892.900	31.24	31.27	62.51	74.00	-11.49	360	100	peak

Restricted Bandedge Average



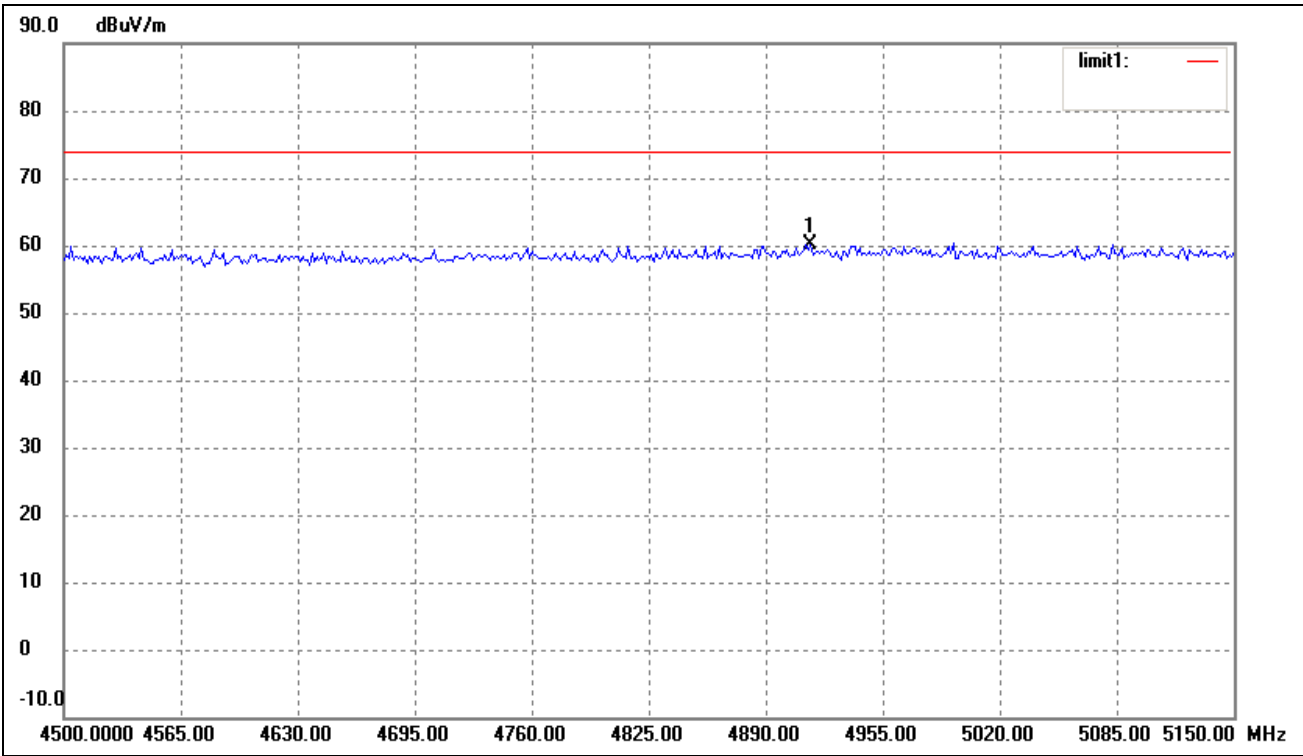
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	5878.500	16.93	31.25	48.18	54.00	-5.82	360	100	Ave

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

Restricted Band, Harmonics And Spurious Emissions

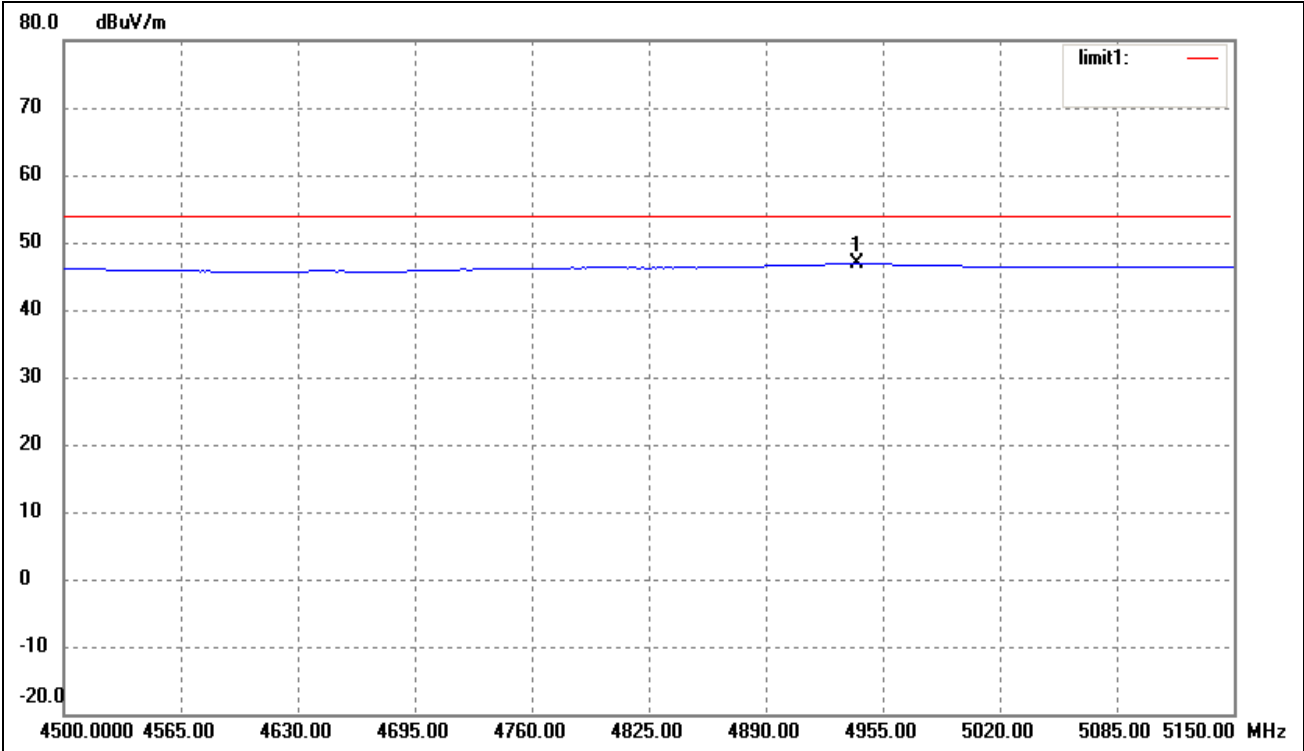
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5765MHz)										
11530	PK	54.5	360	V	38.9	9.8	40.1	63.1	74	-10.9
11530	PK	53.3	360	H	38.9	9.8	40.1	61.9	74	-12.1
11530	AV	37.4	360	V	38.9	9.8	40.1	46.0	54	-8.0
11530	AV	36.6	360	H	38.9	9.8	40.1	45.2	54	-8.8
High Channel (5785MHz)										
11570	PK	53.1	360	V	38.9	9.8	40.1	61.7	74	-12.3
11570	PK	53.8	360	H	38.9	9.8	40.1	62.4	74	-11.6
11570	AV	37.3	360	V	38.9	9.8	40.1	45.9	54	-8.1
11570	AV	36.4	360	H	38.9	9.8	40.1	45.0	54	-9.0

802.11ac HT80
For the frequency band 5.21GHz(802.11ac HT80)
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	4910.500	30.15	30.66	60.81	74.00	-13.19	360	100	peak

Restricted Bandedge Average

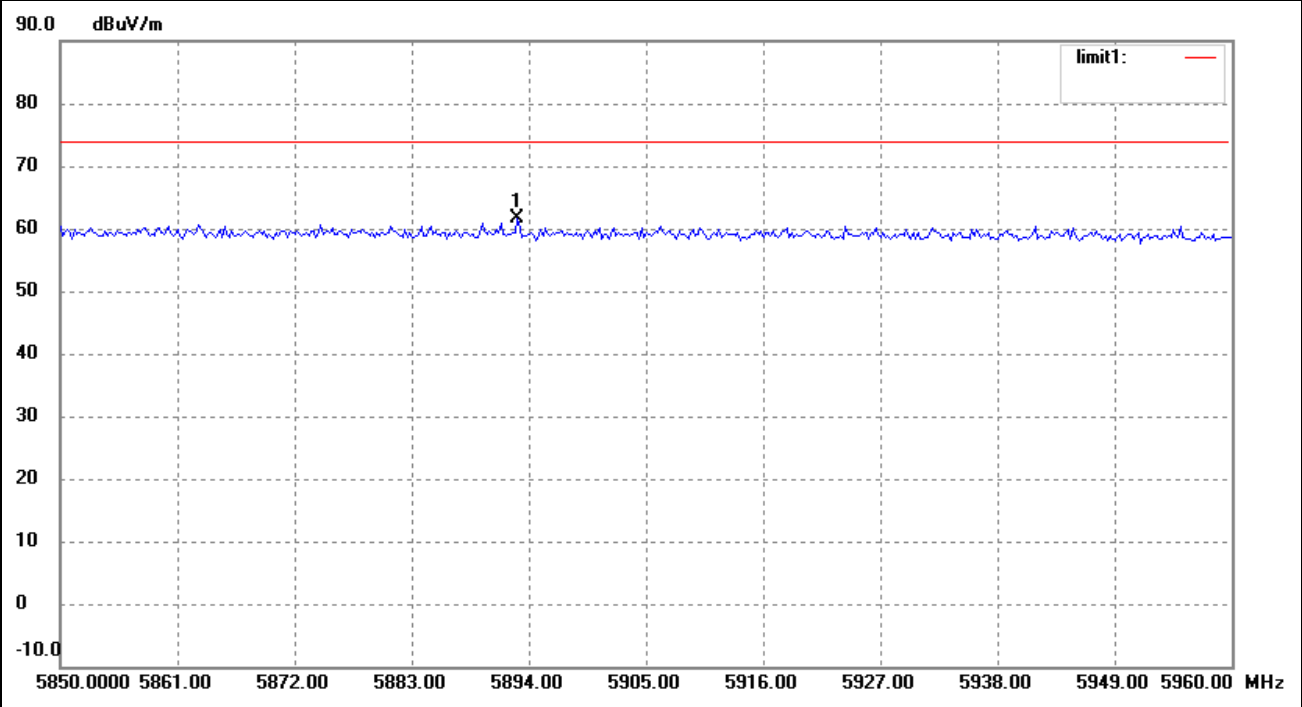


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	4945.500	17.27	30.7	47.97	54.00	-6.03	360	100	Ave

Restricted Band, Harmonics And Spurious Emissions

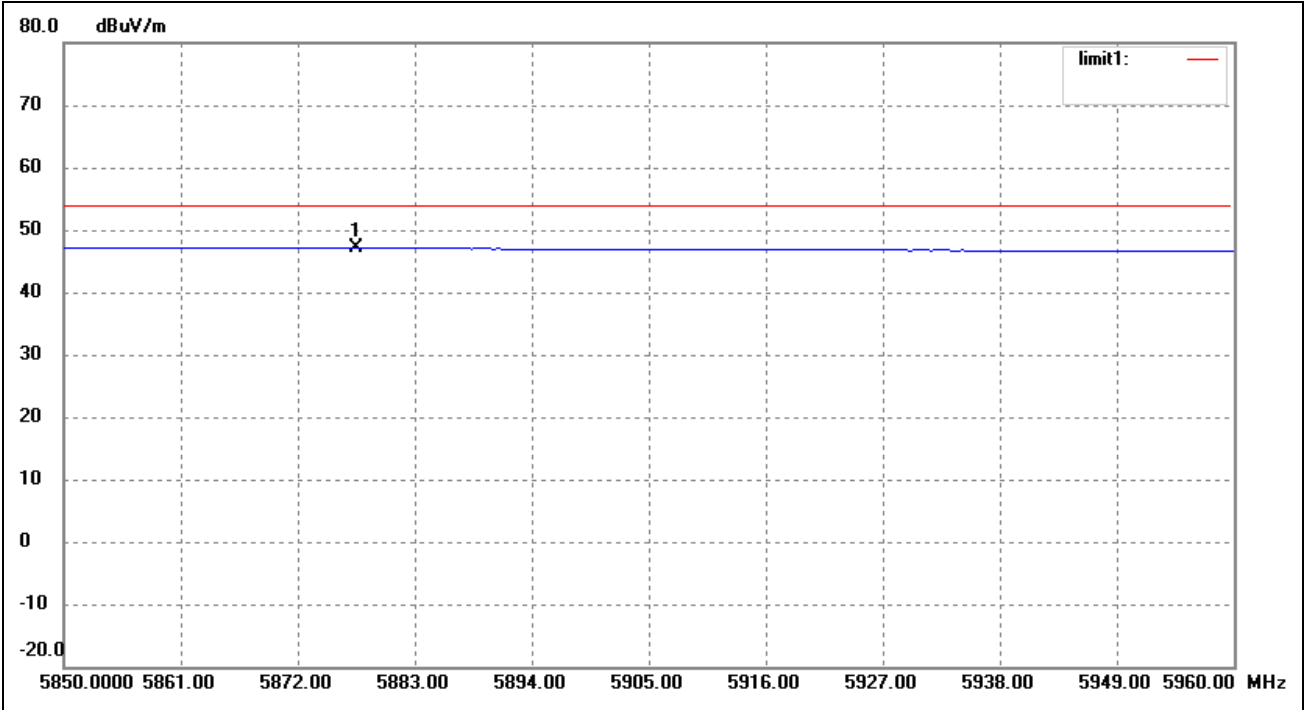
Frequency MHz	Detector	Meter Reading dBuV	Direction Degree	Polar H / V	Antenna Loss dB	Cable loss dB	Amplifier dB	Correction Amplitude dBuV/m	Limit dBuV/m	Margin dB
Low Channel (5210MHz)										
15630	PK	48.5	360	V	40.7	10.9	39.6	60.5	74	-13.5
15630	PK	48.2	360	H	40.7	10.9	39.6	60.2	74	-13.8
15630	AV	33.7	360	V	40.7	10.9	39.6	45.7	54	-8.3
15630	AV	32.1	360	H	40.7	10.9	39.6	44.1	54	-9.9

For the frequency band 5.785GHz (802.11ac HT80)
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	5892.800	30.25	31.27	61.52	74	-12.48	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	5879.500	15.96	31.25	47.21	54	-6.79	360	100	Ave

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

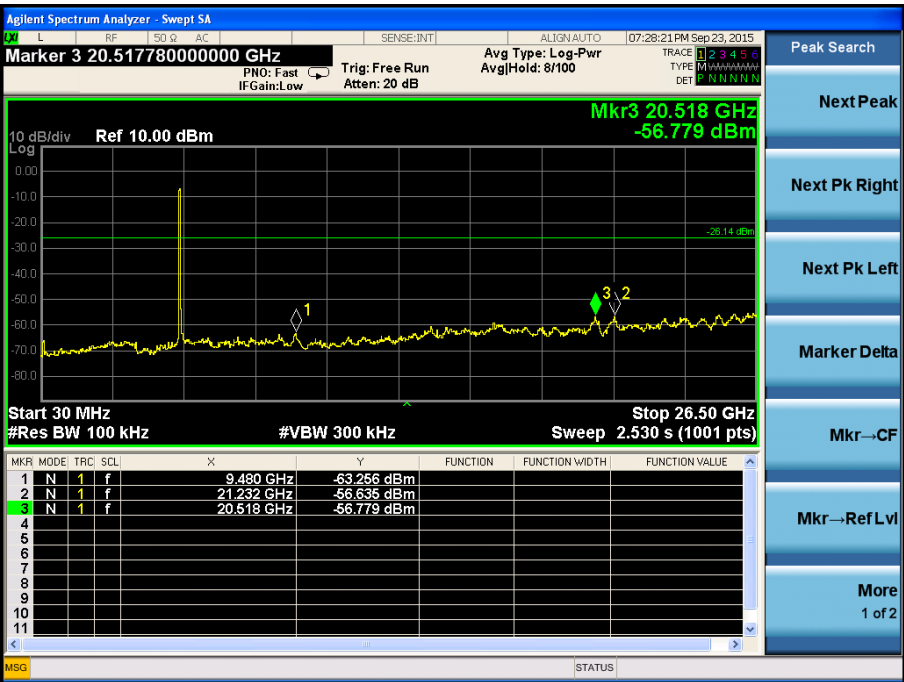
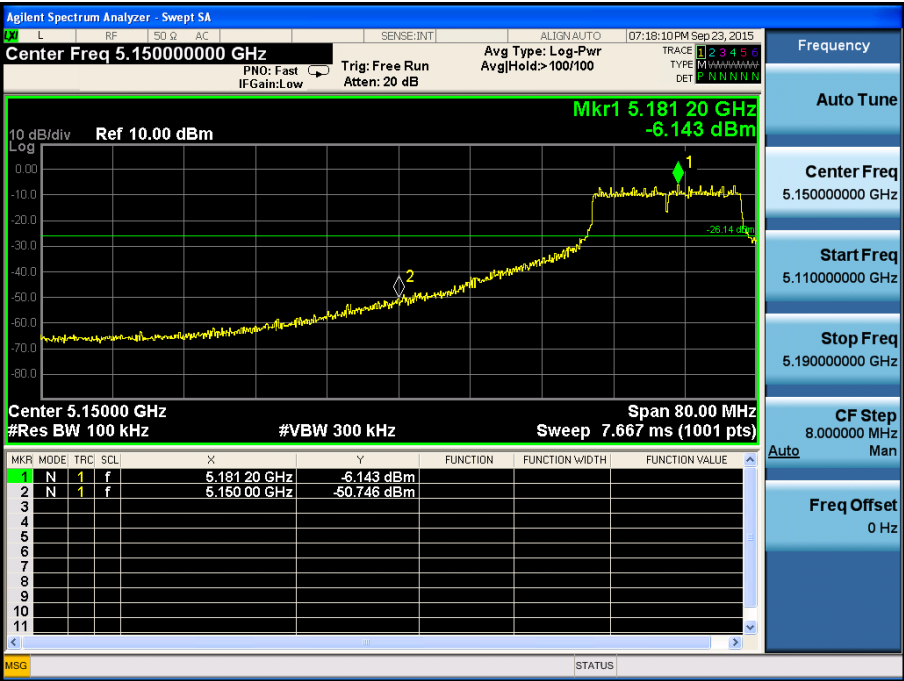
Restricted Band, Harmonics And Spurious Emissions

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 (5785MHz)										
11570	PK	54.2	360	V	38.9	9.8	40.1	62.8	74	-11.2
11570	PK	53.4	360	H	38.9	9.8	40.1	62.0	74	-12.0
11570	AV	37.5	360	V	38.9	9.8	40.1	46.1	54	-7.9
11570	AV	36.3	360	H	38.9	9.8	40.1	44.9	54	-9.1

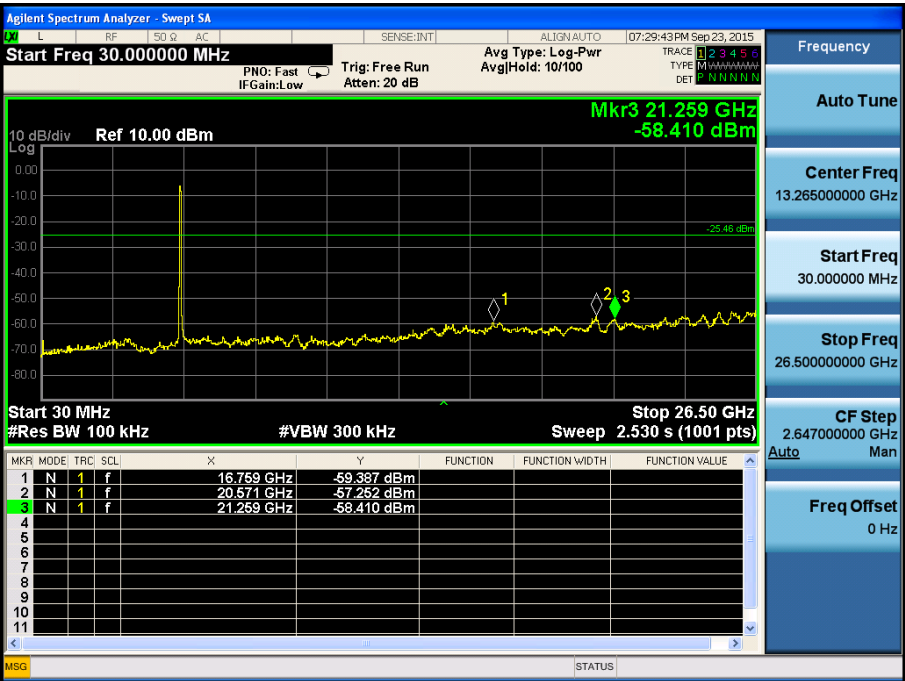
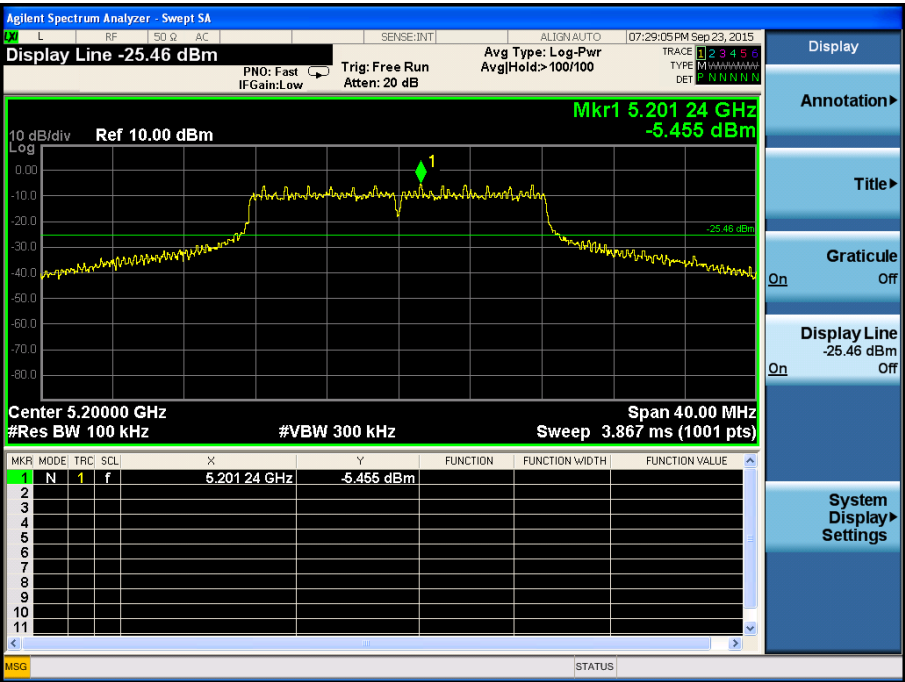
Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 4th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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

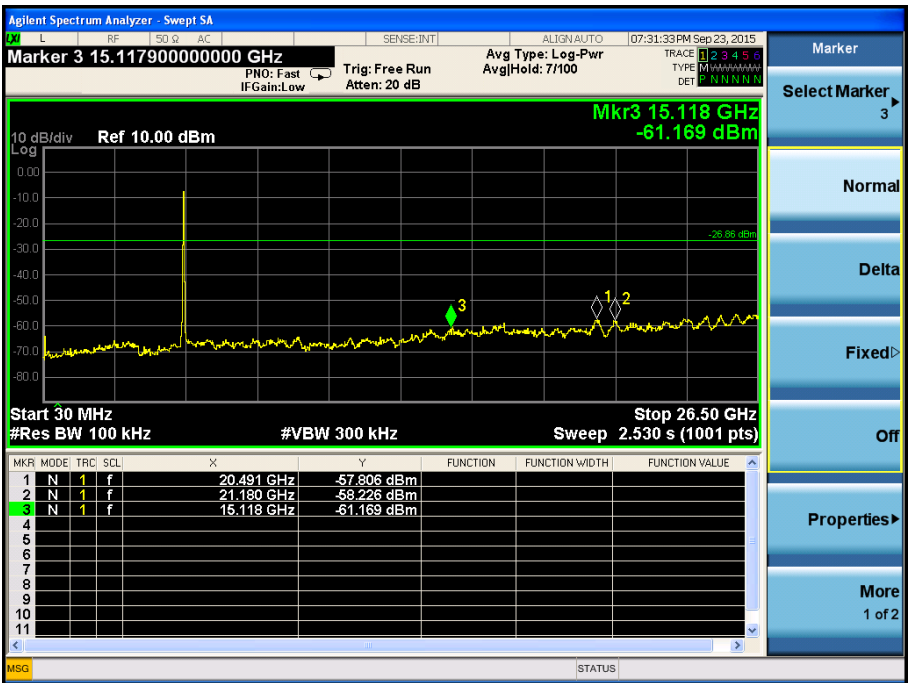
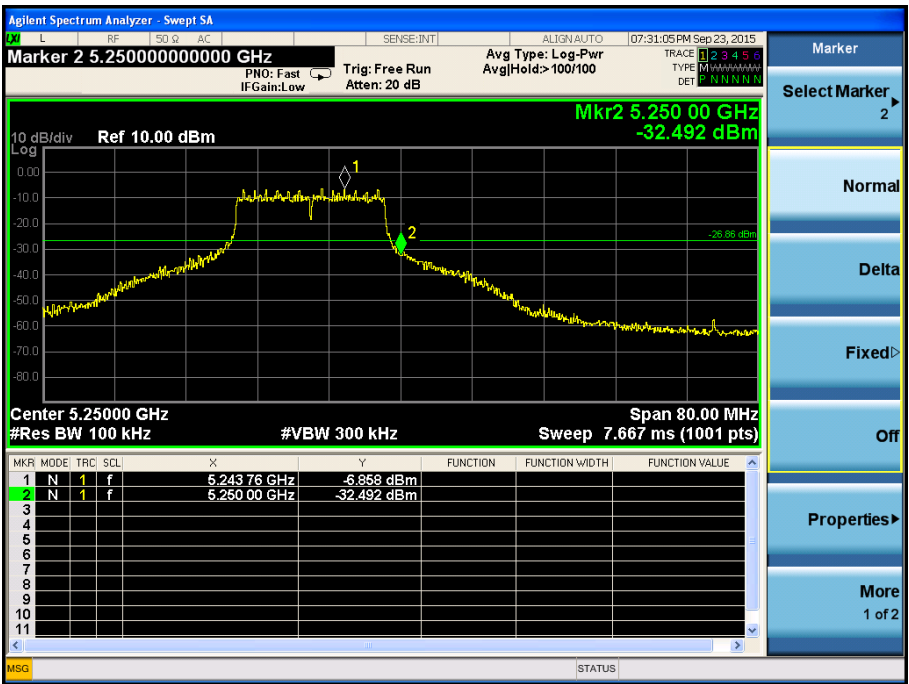
Bandedge (Conducted)
802.11a
5180MHz



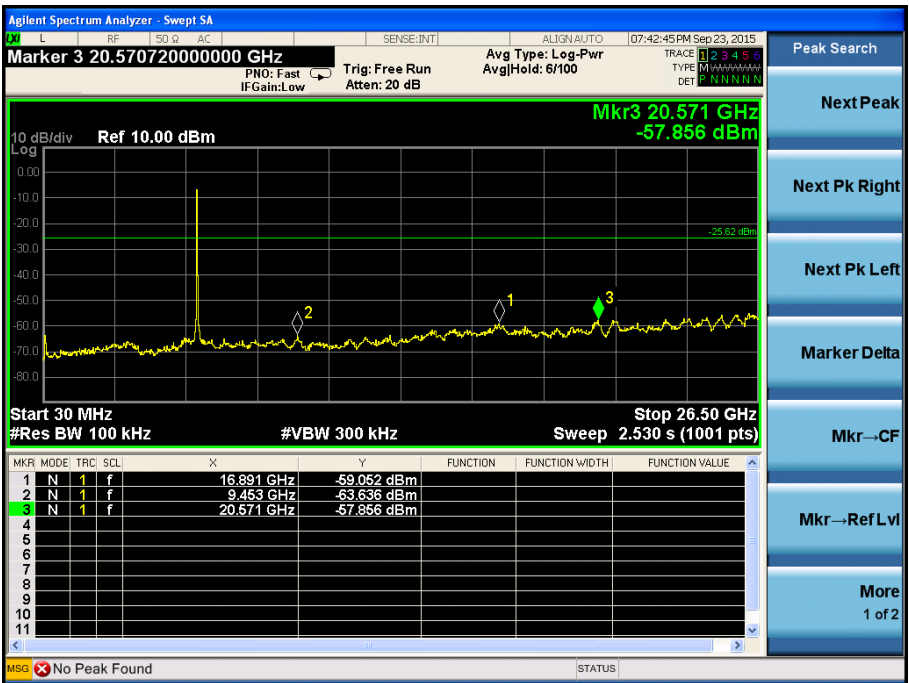
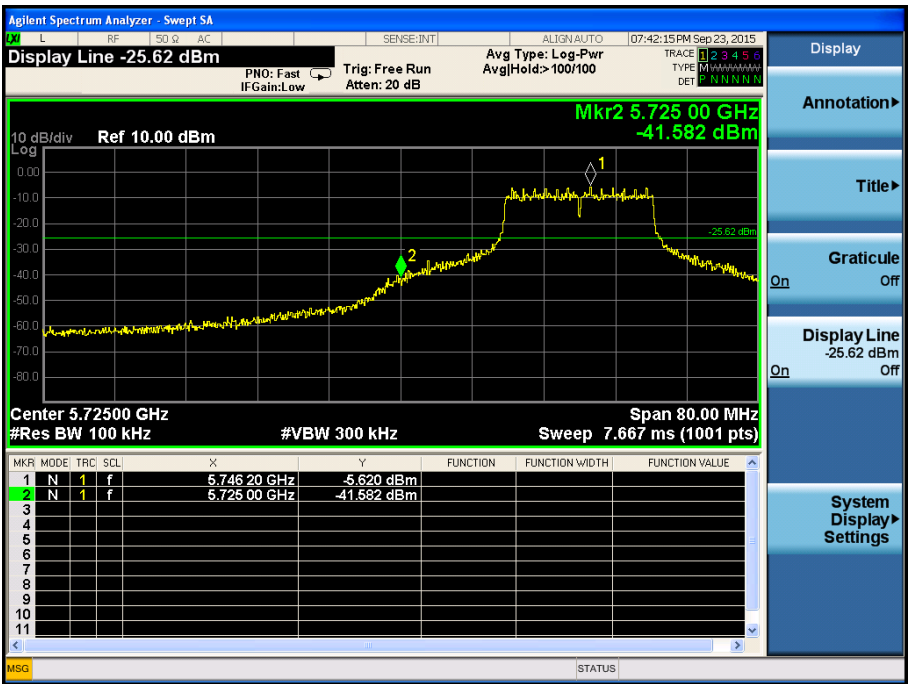
5200MHz



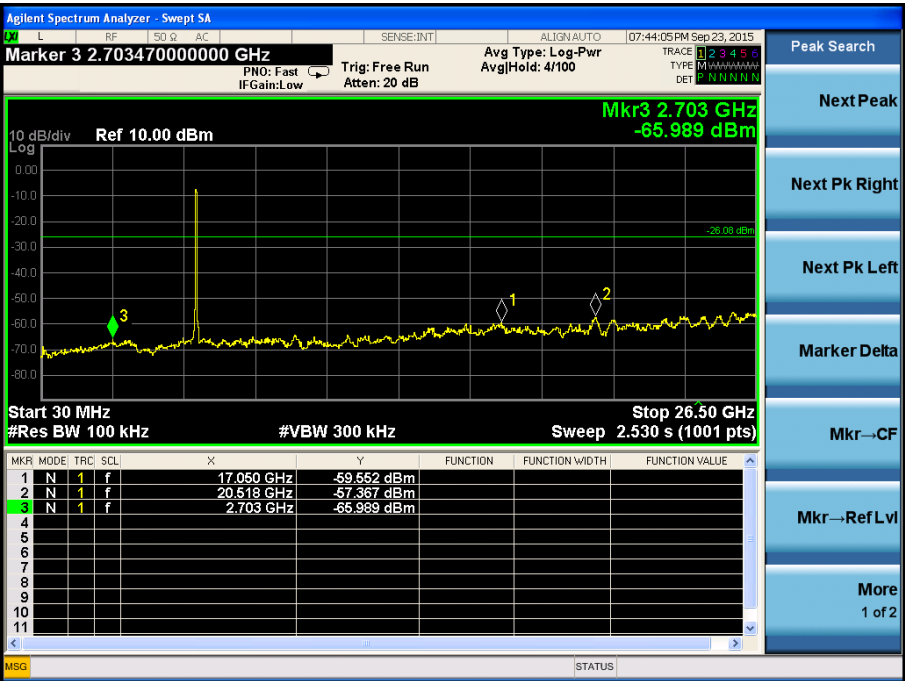
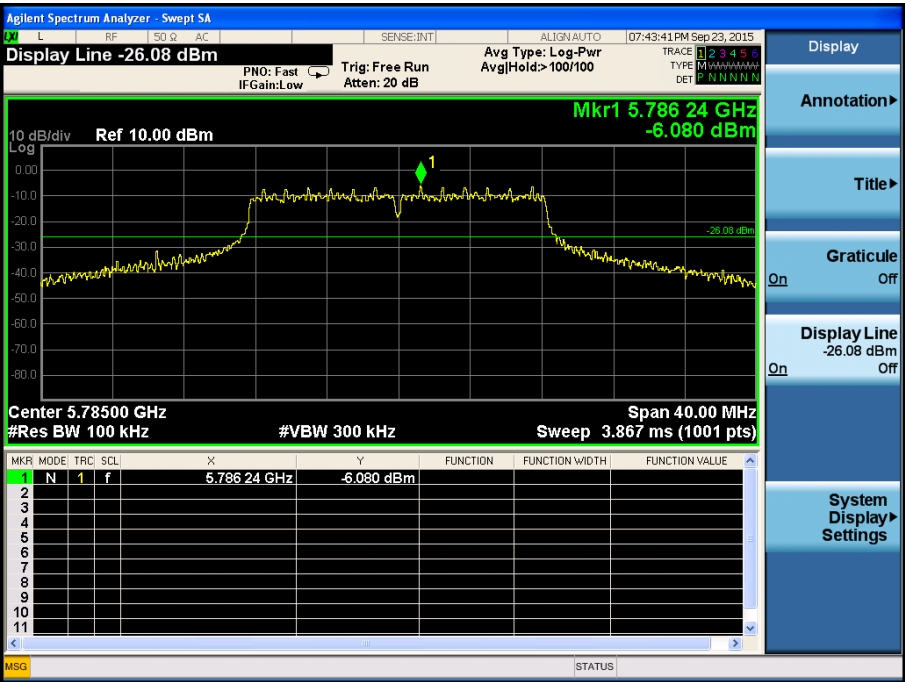
5240MHz



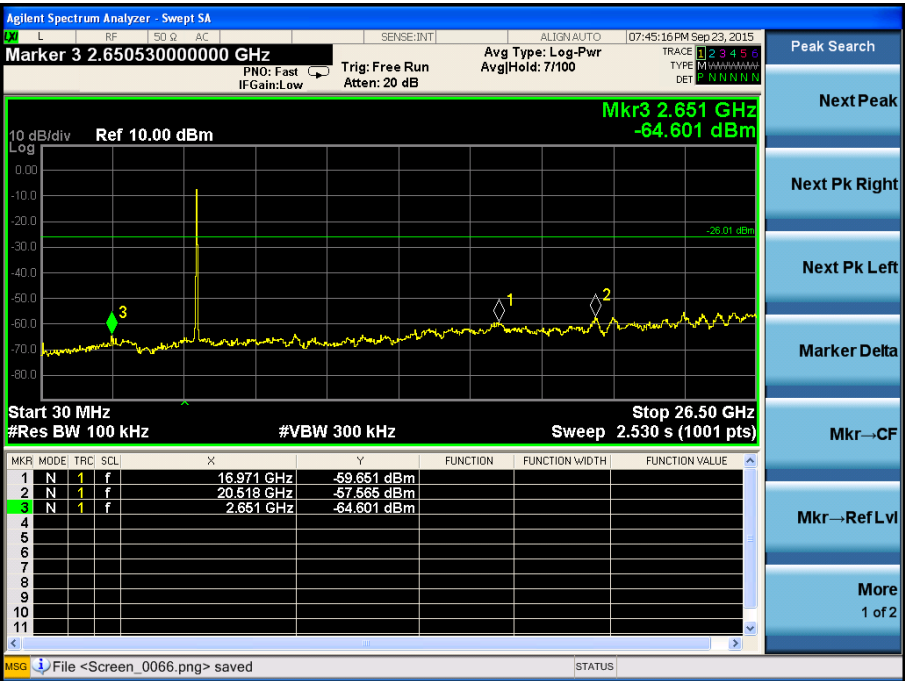
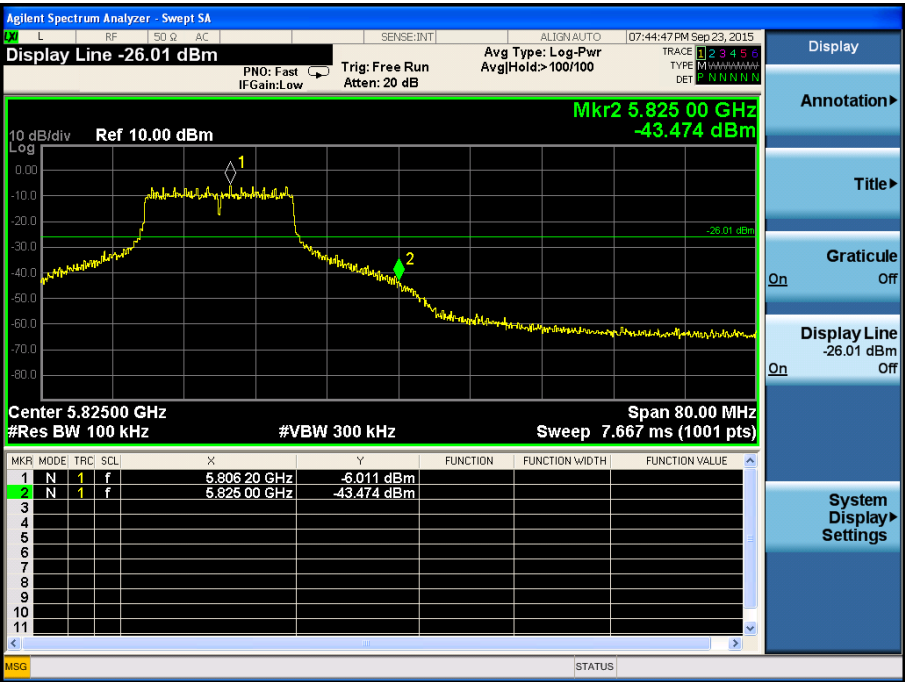
5745MHz



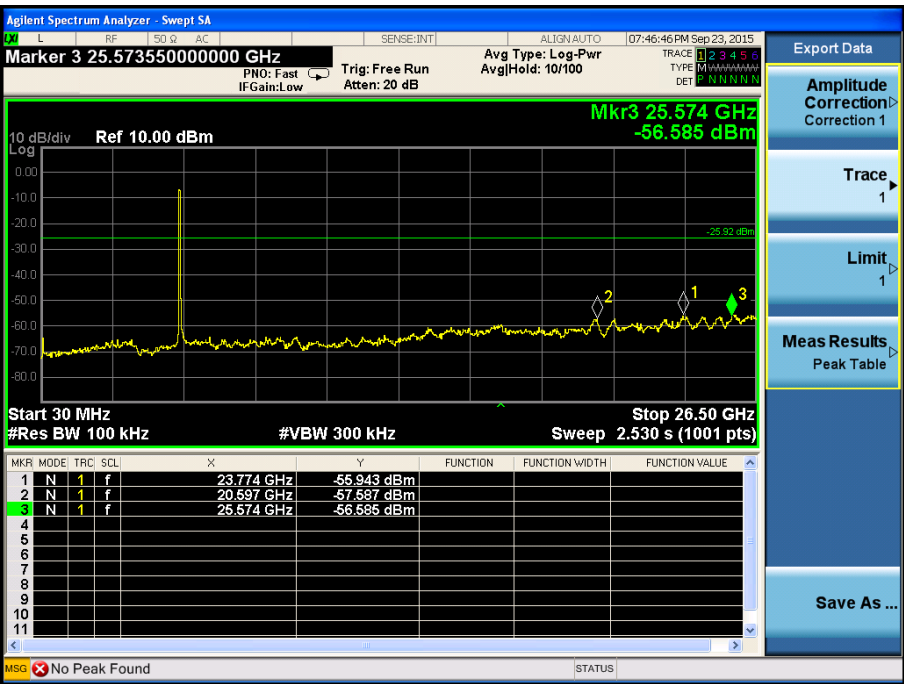
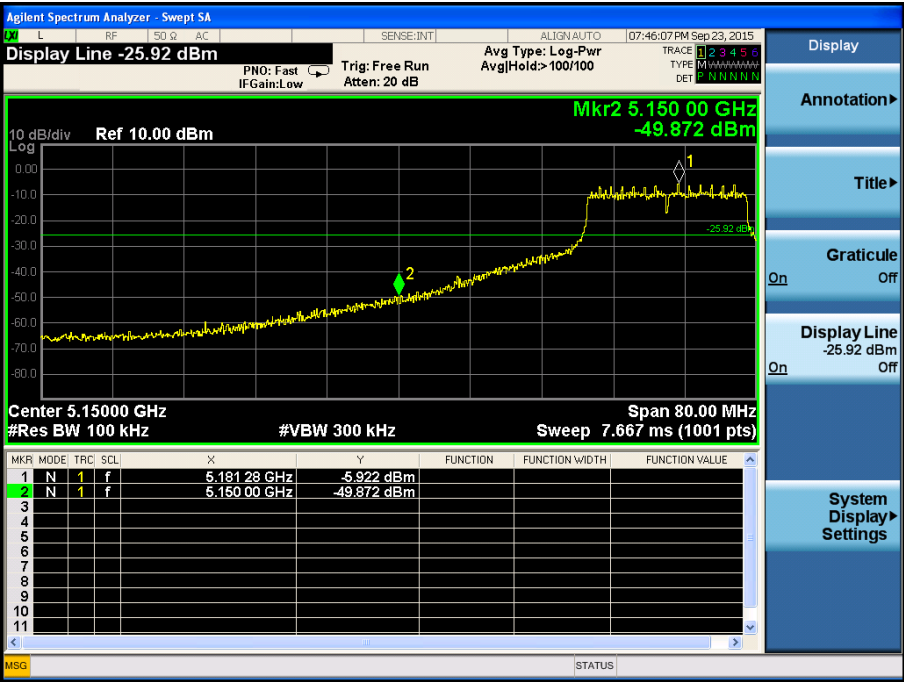
5785MHz



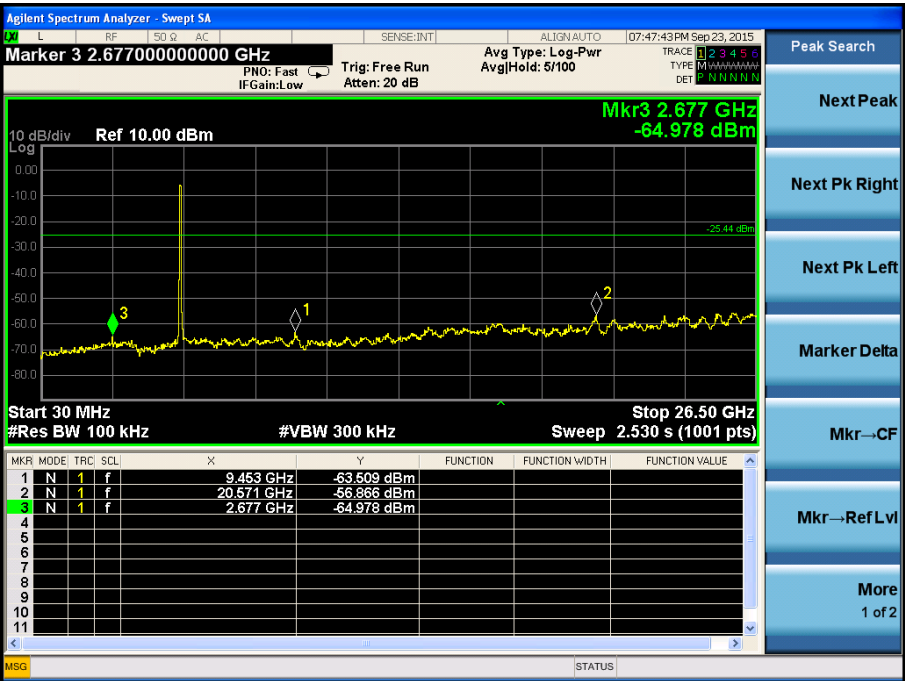
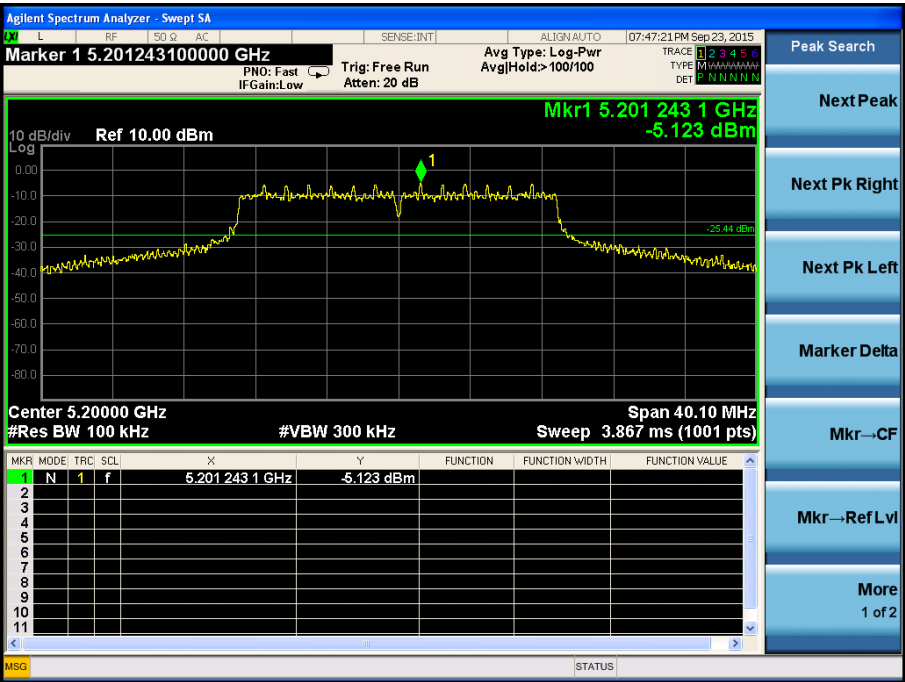
5805MHz



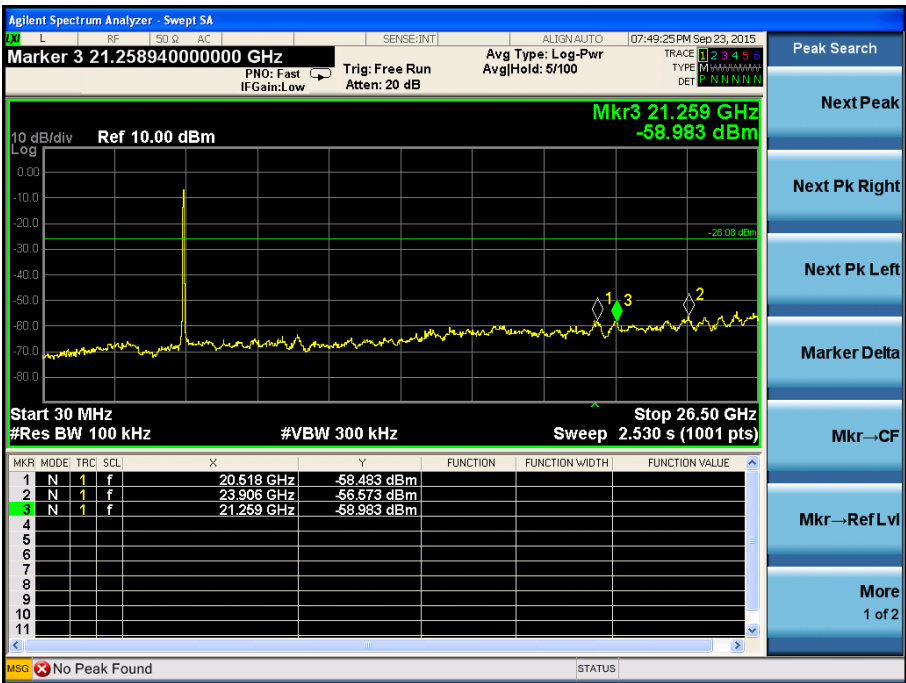
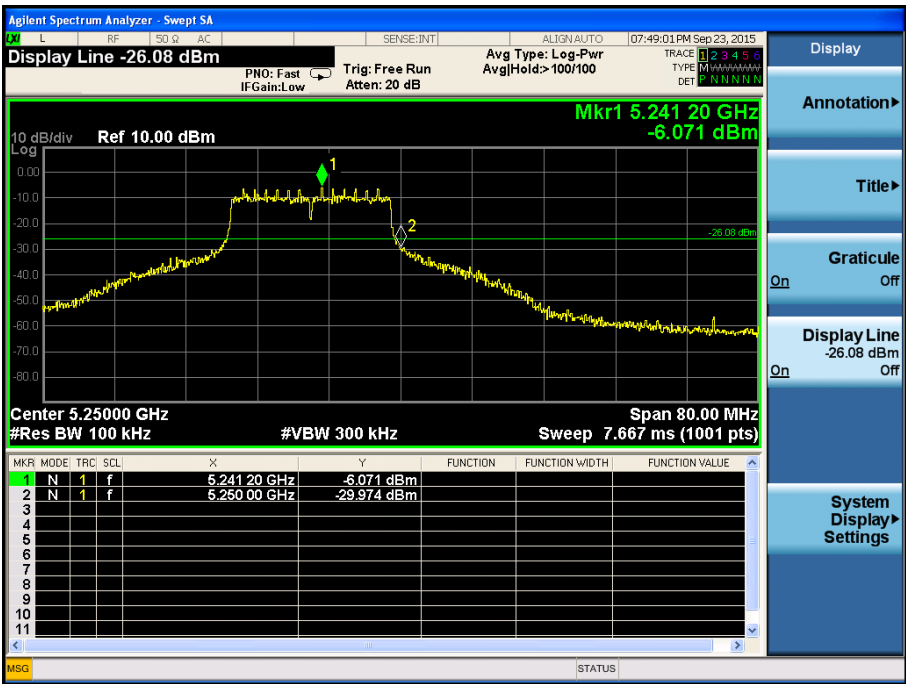
802.11n-HT20
5180MHz



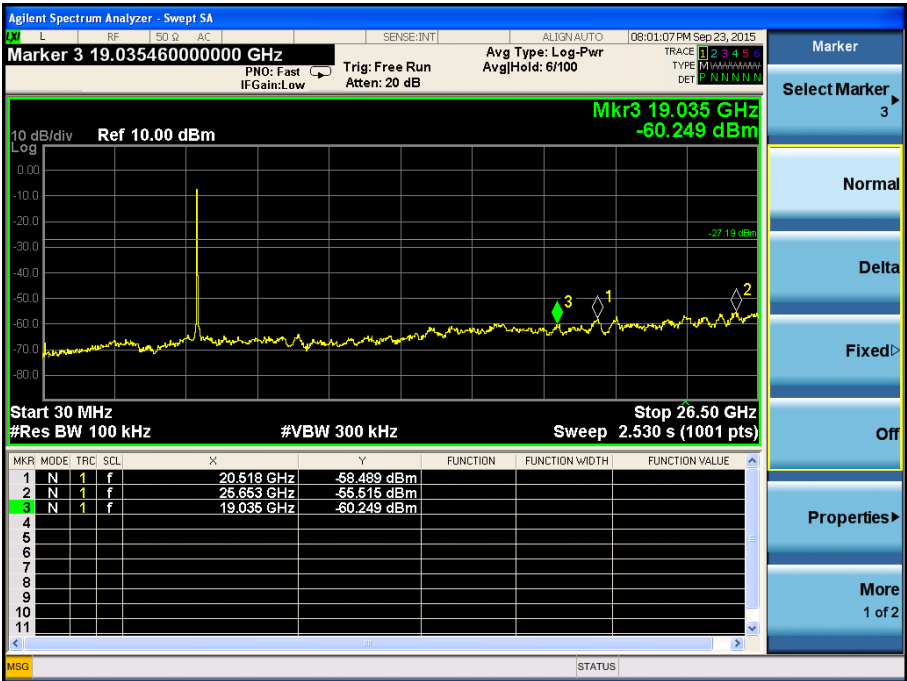
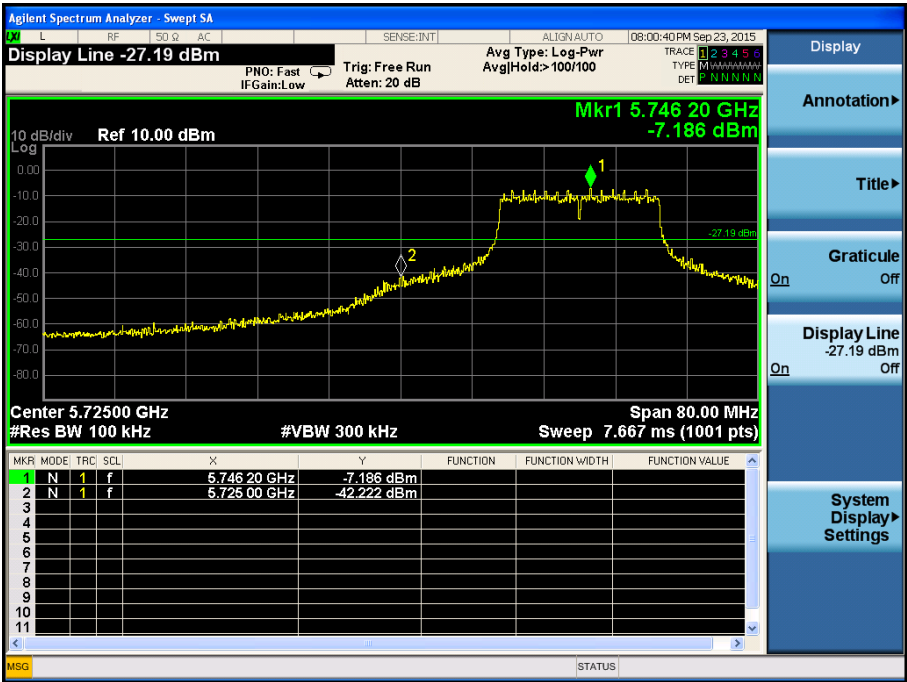
5200MHz



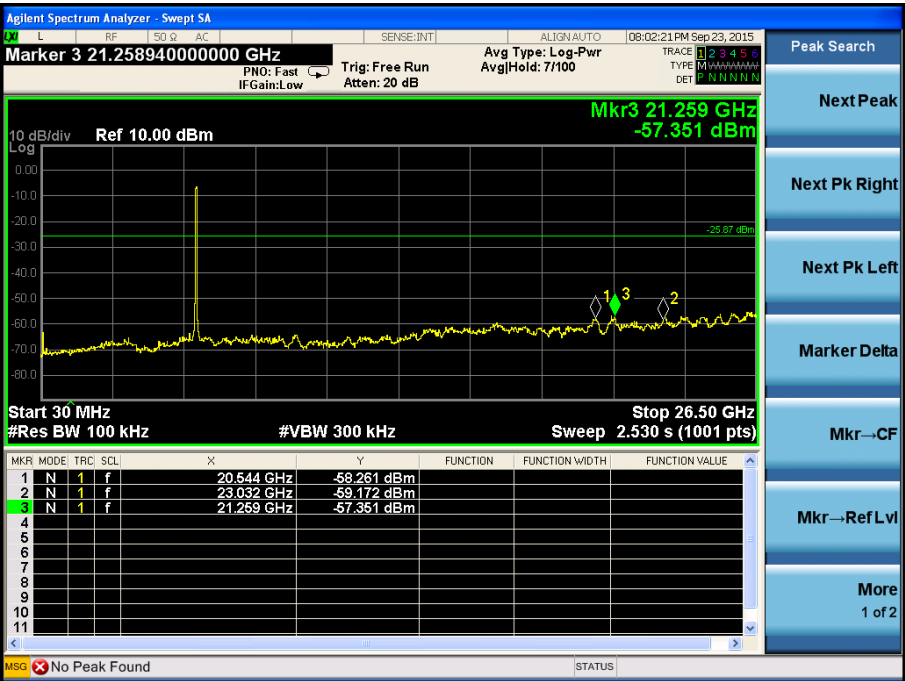
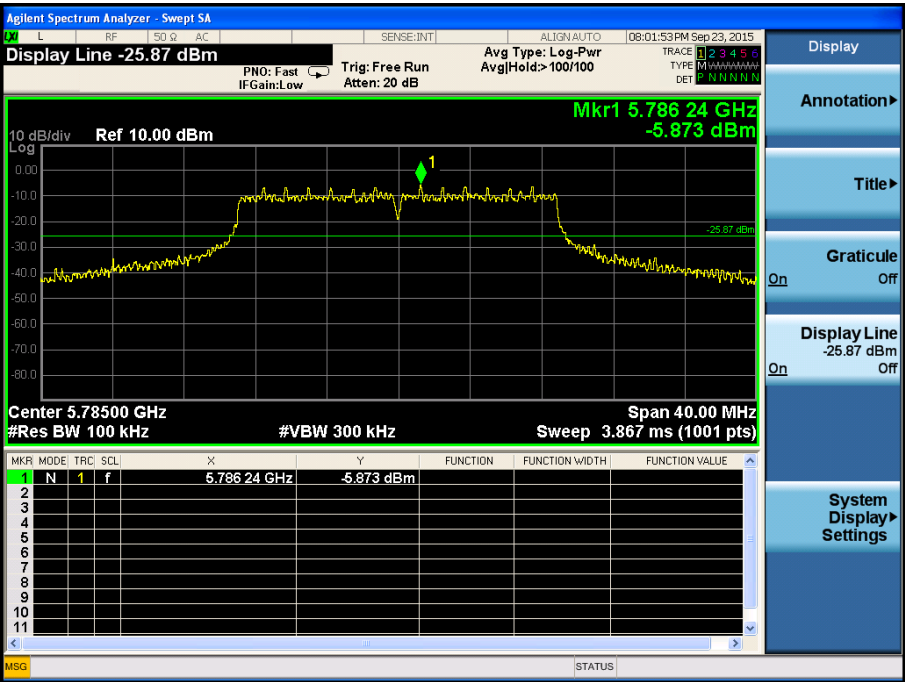
5240MHz



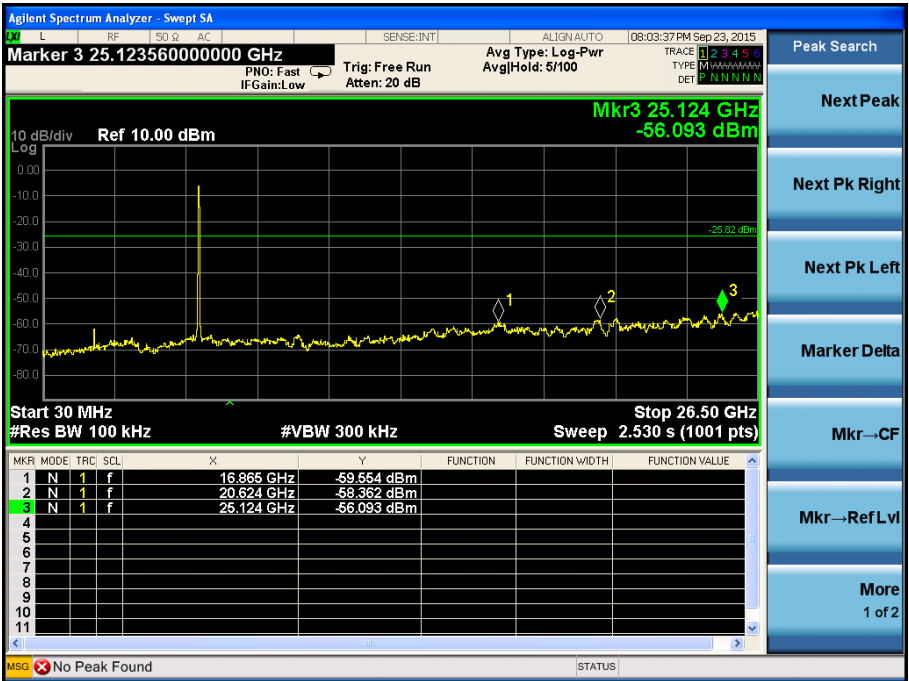
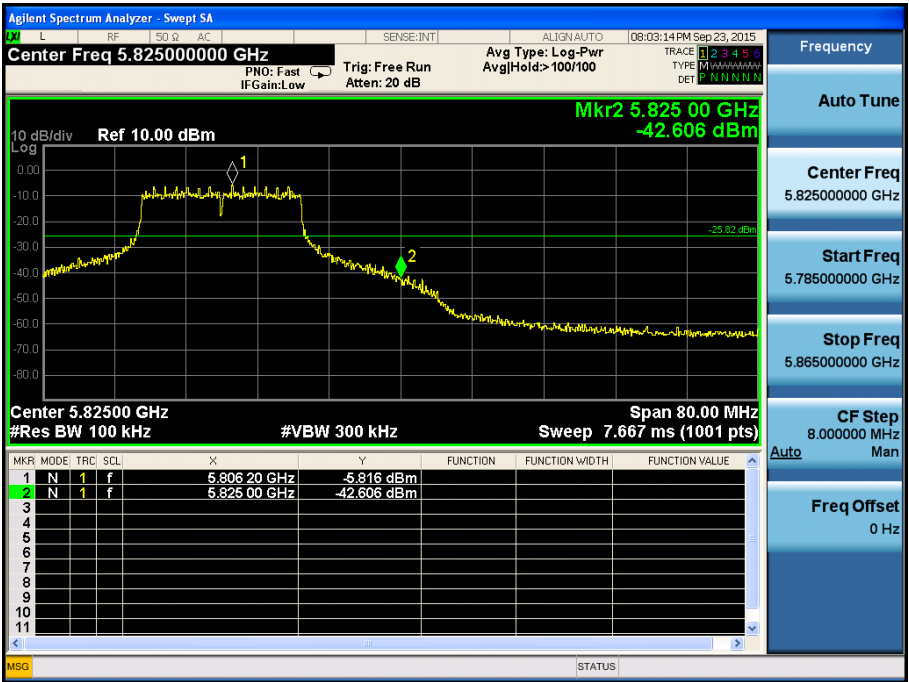
5745MHz



5785MHz

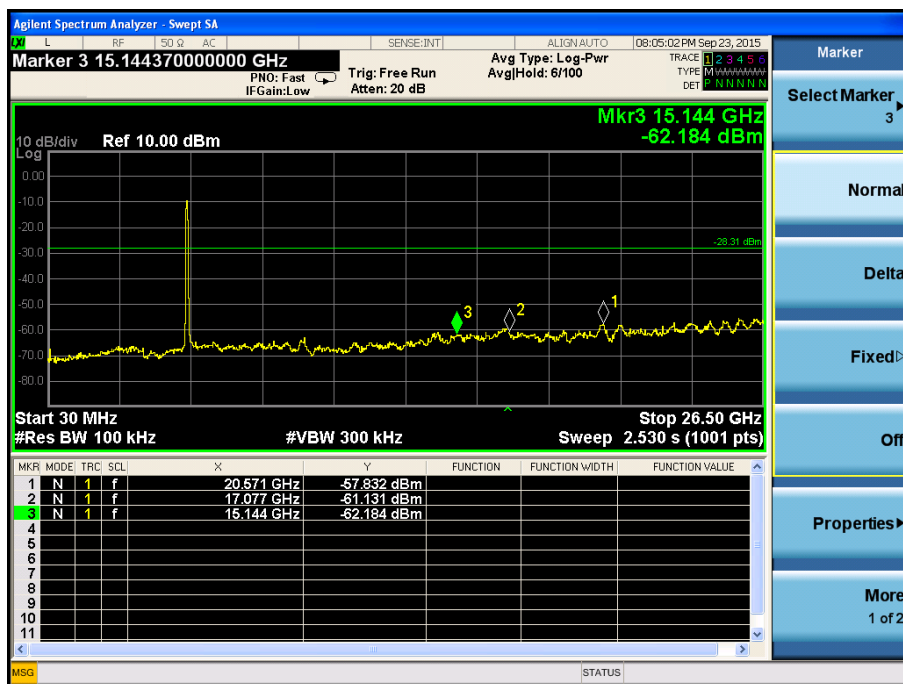


5805MHz

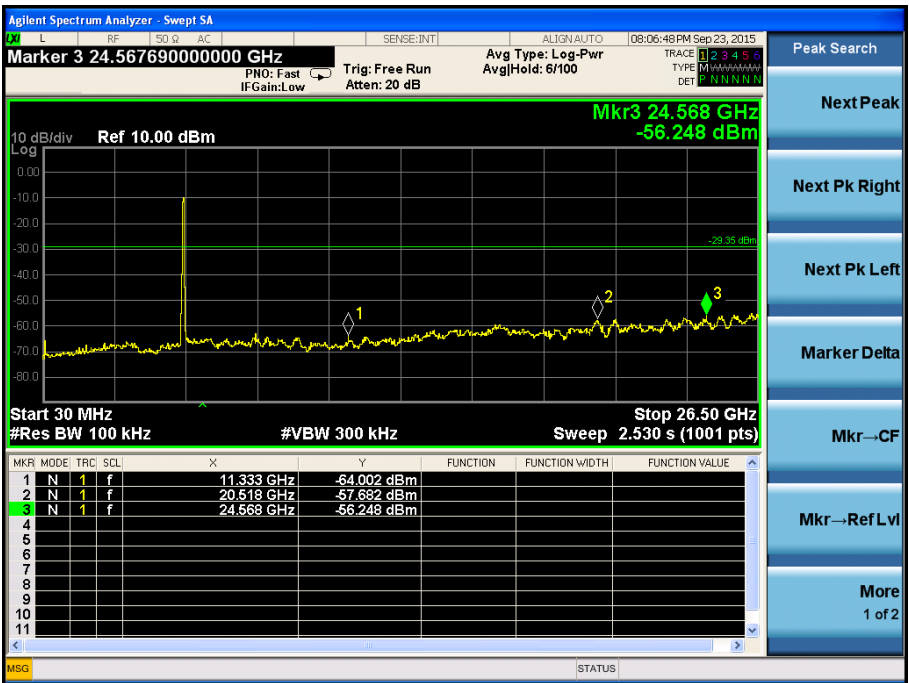
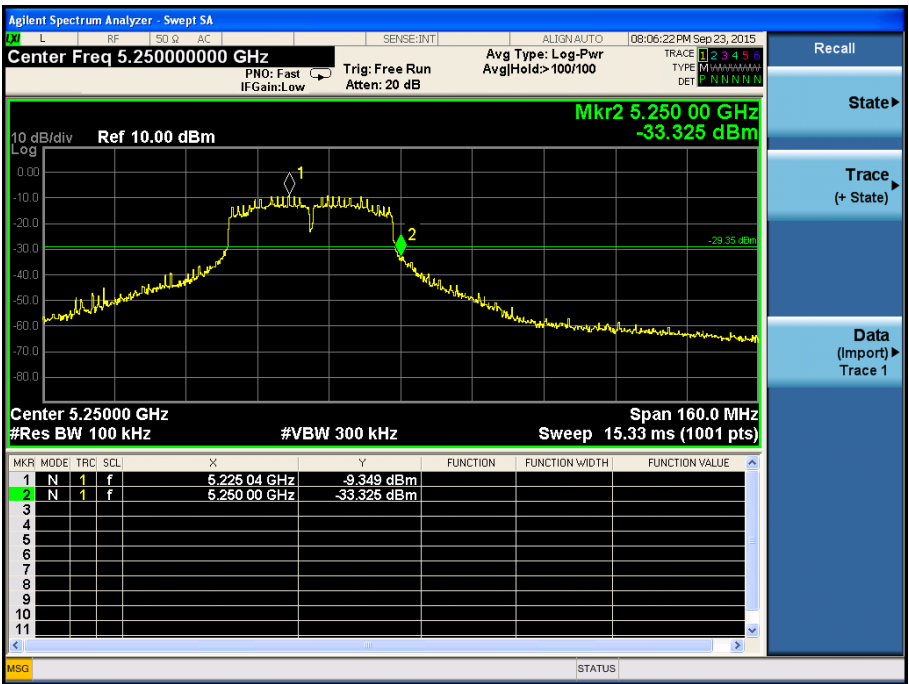


802.11n-HT40

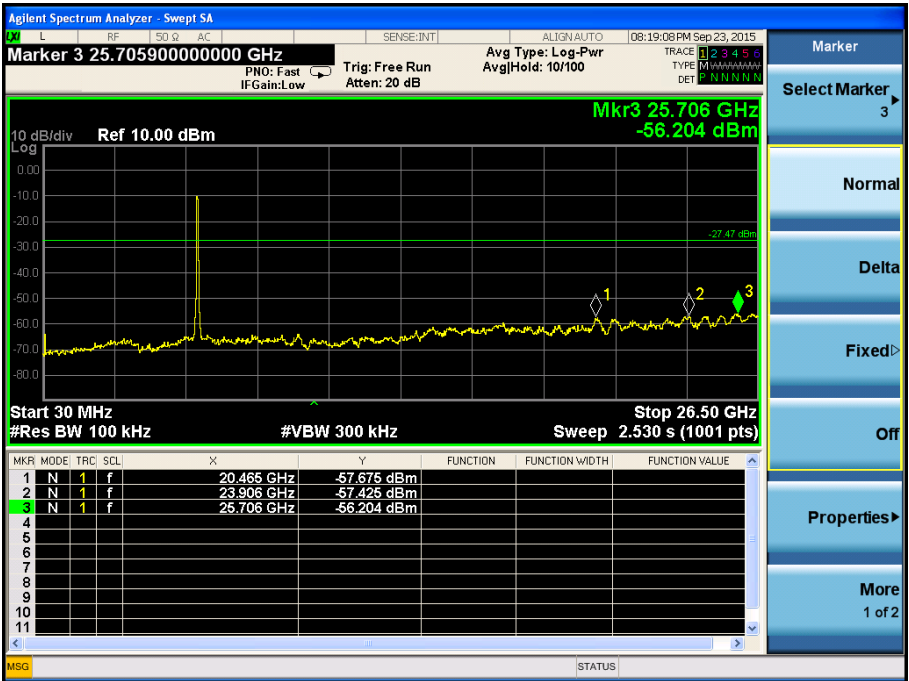
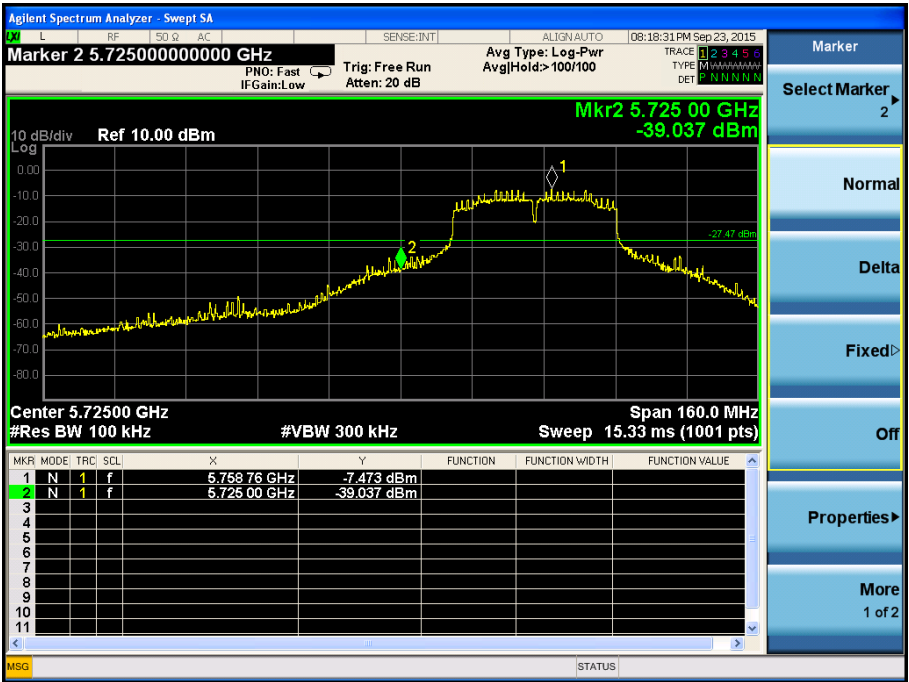
5190MHz



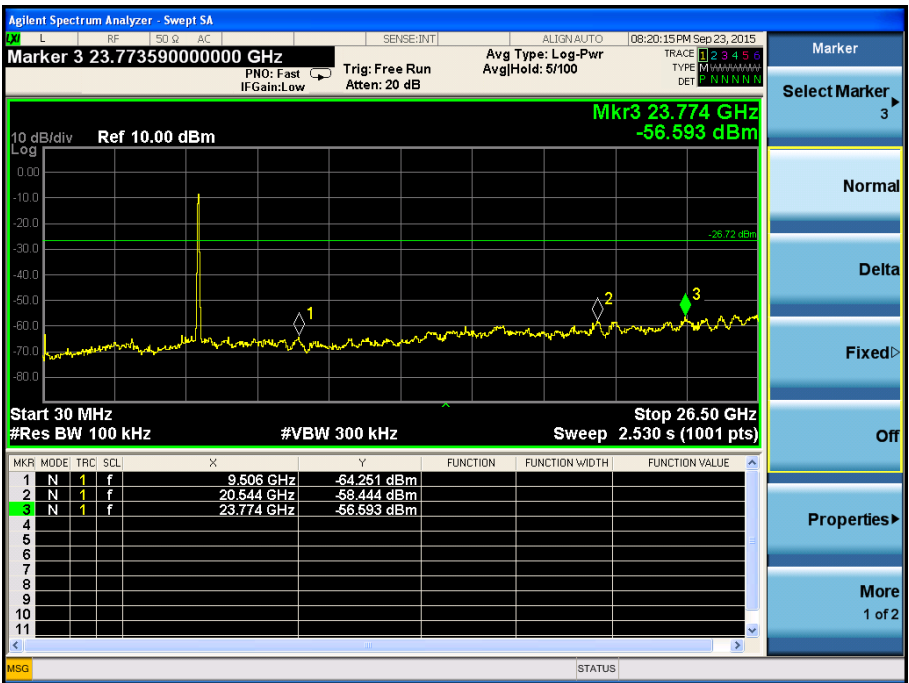
5230MHz



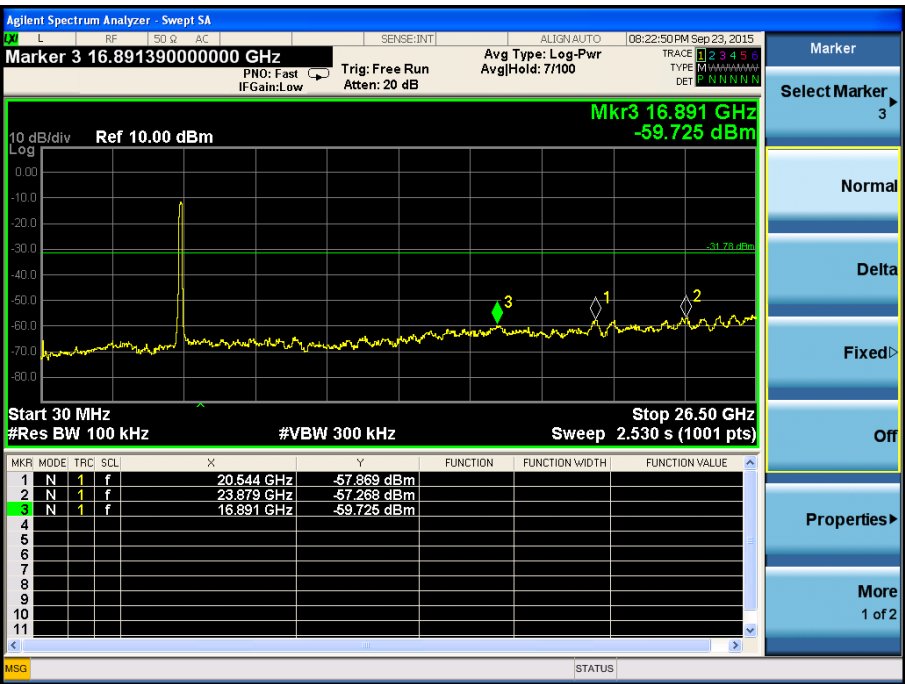
5765MHz



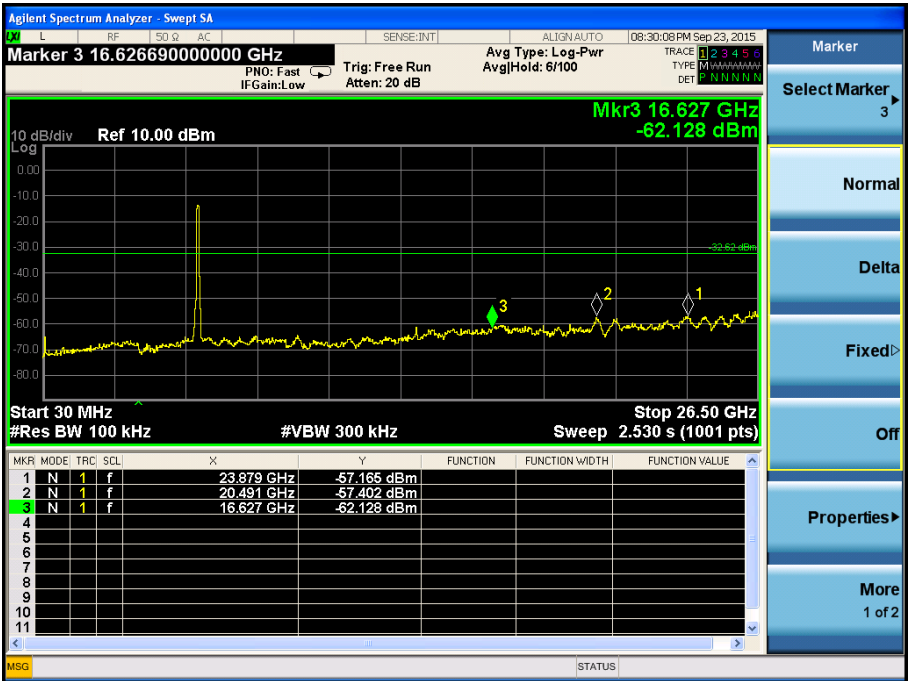
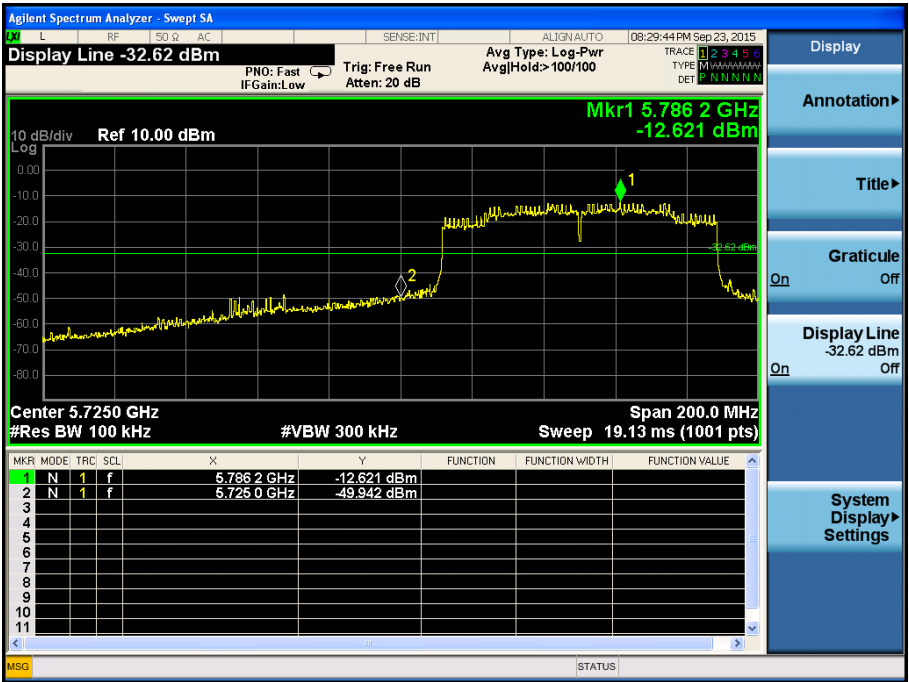
5785MHz



802.11ac-HT80
5210MHz



5785MHz



11. Frequency Stability

11.1 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.

11.2 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

11.3 Environmental Conditions

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

11.4 Summary of Test Results/Plots

5150-5250MHz

802.11a_20MHz

Reference Frequency(Middle Channel): 5240 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	121	0.0231
40	7.4	118	0.0225
30	7.4	116	0.0221
20	7.4	124	0.0237
10	7.4	136	0.0260
0	7.4	141	0.0269
-10	7.4	133	0.0254
-20	7.4	128	0.0244
-30	7.4	144	0.0275

802.11n_HT20

Reference Frequency(Middle Channel): 5240 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	141	0.0269
40	7.4	128	0.0244
30	7.4	124	0.0237
20	7.4	154	0.0294
10	7.4	114	0.0218
0	7.4	134	0.0256
-10	7.4	147	0.0281
-20	7.4	118	0.0225
-30	7.4	126	0.0240

802.11n_HT40

Reference Frequency(Middle Channel): 5230 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	141	0.0270
40	7.4	145	0.0277
30	7.4	141	0.0270
20	7.4	131	0.0250
10	7.4	148	0.0283
0	7.4	152	0.0291
-10	7.4	158	0.0302
-20	7.4	151	0.0289
-30	7.4	149	0.0285

802.11ac_HT80

Reference Frequency(Fixed Channel): 5210 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	148	0.0284
40	7.4	149	0.0286
30	7.4	151	0.0290
20	7.4	144	0.0276
10	7.4	151	0.0290
0	7.4	156	0.0299
-10	7.4	161	0.0309
-20	7.4	154	0.0296
-30	7.4	160	0.0307

5725-5850MHz

802.11a_HT20

Reference Frequency(Middle Channel): 5785MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	118	0.0338
40	7.4	124	0.0349
30	7.4	134	0.0367
20	7.4	125	0.0351
10	7.4	116	0.0335
0	7.4	147	0.0390
-10	7.4	157	0.0407
-20	7.4	184	0.0455
-30	7.4	164	0.0420

802.11n_HT20

Reference Frequency(Middle Channel): 5785MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	117	0.0227
40	7.4	127	0.0244
30	7.4	145	0.0276
20	7.4	154	0.0292
10	7.4	165	0.0312
0	7.4	185	0.0347
-10	7.4	154	0.0292
-20	7.4	181	0.0340
-30	7.4	157	0.0297

802.11n_HT40

Reference Frequency(Fixed Channel): 5765 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	155	0.0269
40	7.4	162	0.0281
30	7.4	161	0.0280
20	7.4	148	0.0257
10	7.4	129	0.0223
0	7.4	200	0.0347
-10	7.4	169	0.0294
-20	7.4	167	0.0289
-30	7.4	159	0.0276

802.11ac_HT80

Reference Frequency(Fixed Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		MCF (Hz)	Error (ppm)
50	7.4	160	0.0277
40	7.4	156	0.0270
30	7.4	163	0.0281
20	7.4	156	0.0270
10	7.4	159	0.0275
0	7.4	167	0.0288
-10	7.4	172	0.0298
-20	7.4	167	0.0288
-30	7.4	171	0.0295

So, Frequency Stability Versus Input Voltage is:

5150-5250MHz

802.11a_HT20

Reference Frequency(Middle Channel): 5240 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	139	0.0265
	7.4	136	0.0260
	8.5	133	0.0254

802.11n_HT20

Reference Frequency(Middle Channel): 5240 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	145	0.0277
	7.4	148	0.0282
	8.5	152	0.0290

802.11n_HT40

Reference Frequency(Middle Channel): 5230 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	152	0.0291
	7.4	148	0.0283
	8.5	146	0.0279

802.11ac_HT80

Reference Frequency(Fix Channel): 5210 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	155	0.0298
	7.4	151	0.0290
	8.5	158	0.0303

5725-5850MHz

802.11a_HT20

Reference Frequency(Middle Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	147	0.0270
	7.4	154	0.0306
	8.5	186	0.0367

802.11n_HT20

Reference Frequency(Middle Channel): 5785 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	184	0.0335
	7.4	149	0.0296
	8.5	158	0.0313

802.11n_HT40

Reference Frequency(Fixed Channel): 5765 MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	167	0.0289
	7.4	150	0.0260
	8.5	152	0.0264

802.11ac_HT80

Reference Frequency(Fixed Channel): 5785MHz			
Environment Temperature (°C)	Power Supplied (VDC)	Frequency Measure with Time Elapsed	
		Frequency (Hz)	Error (ppm)
20	6.3	163	0.0281
	7.4	164	0.0284
	8.5	175	0.0303

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