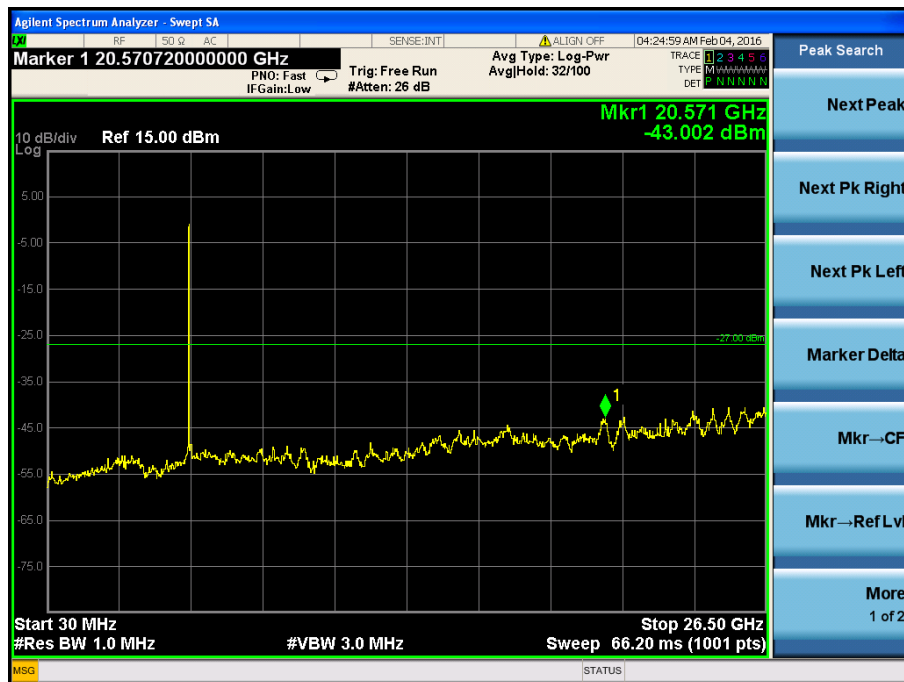
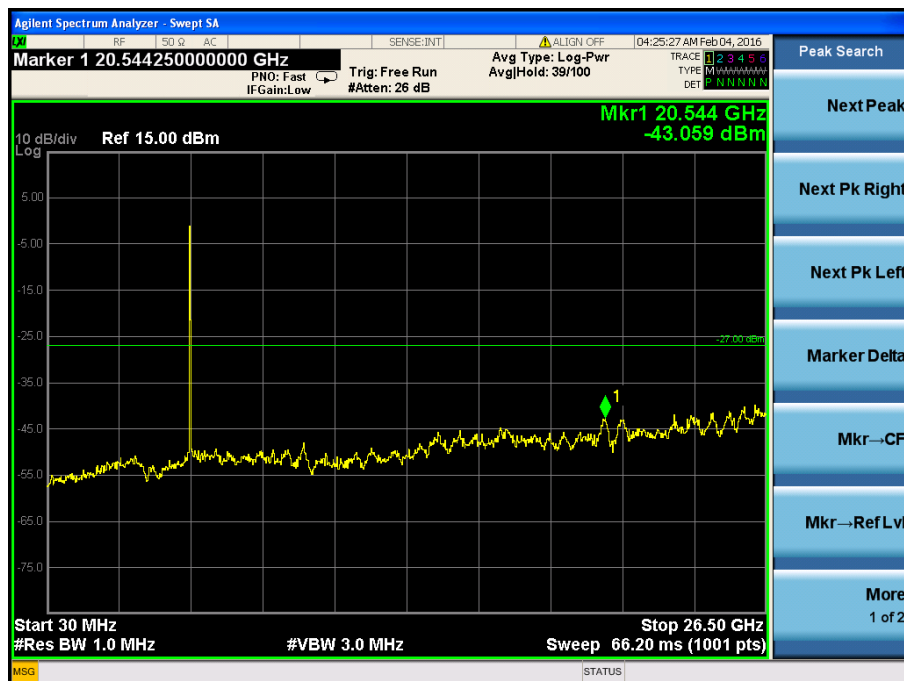


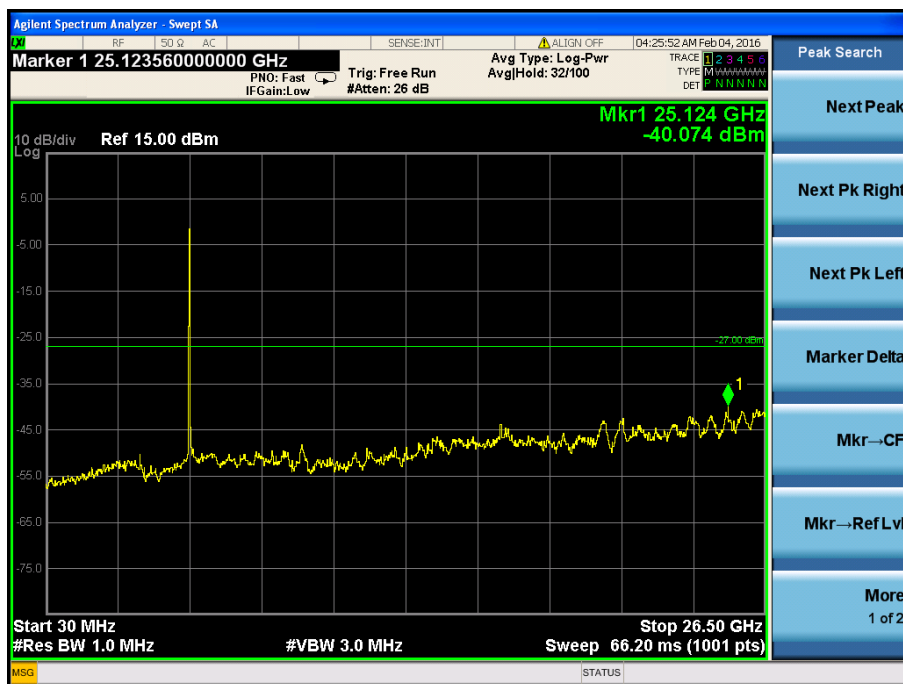
5260MHz



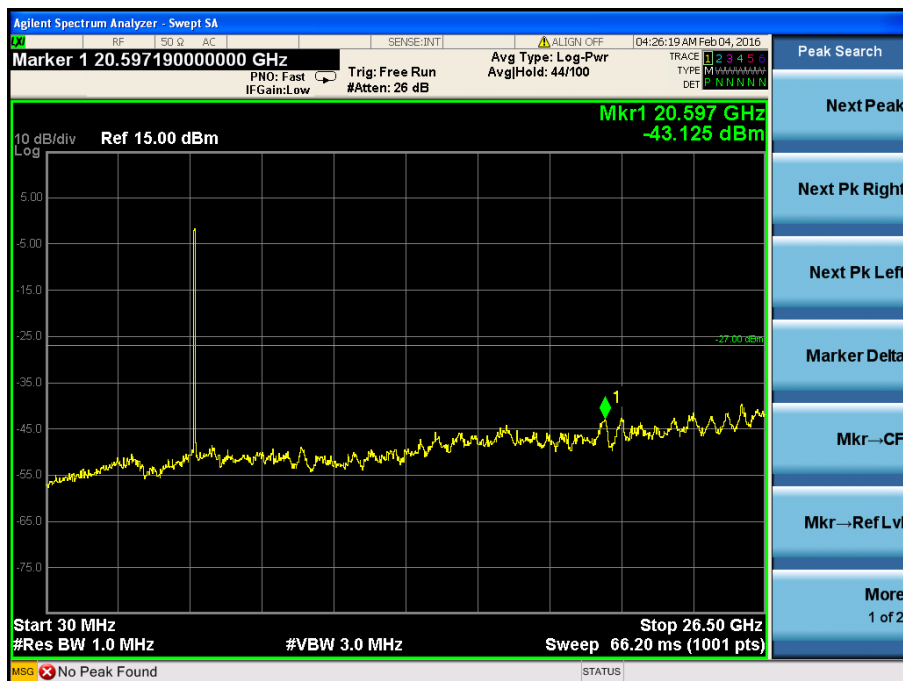
5300MHz



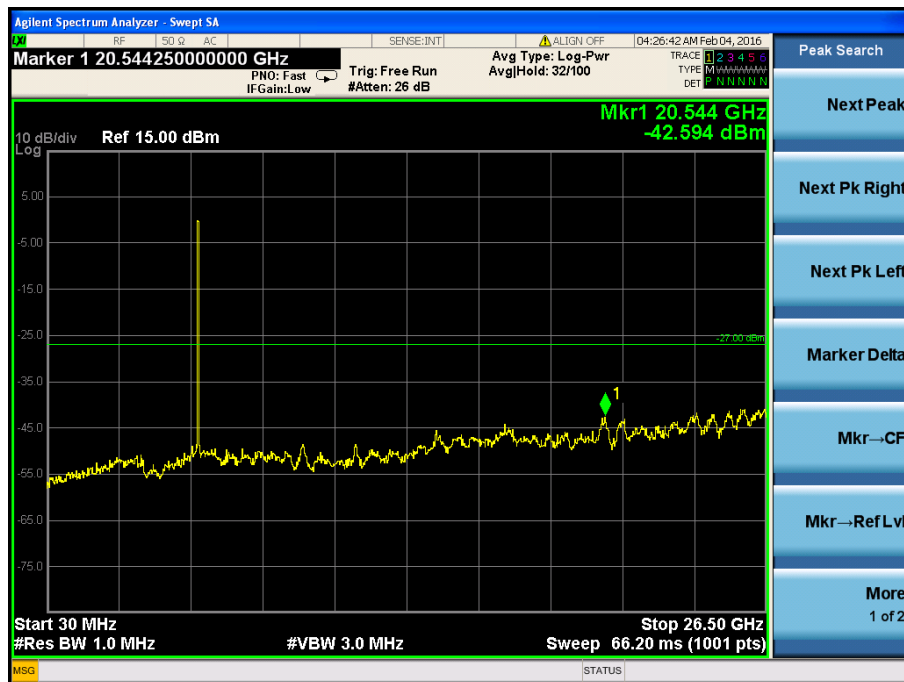
5320MHz



5500MHz



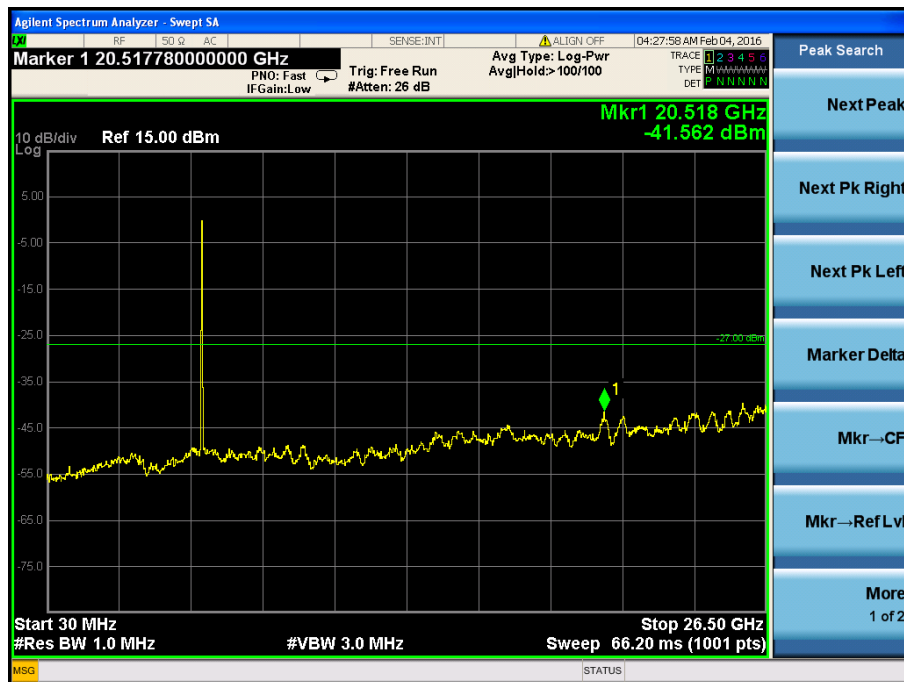
5600MHz



5700MHz



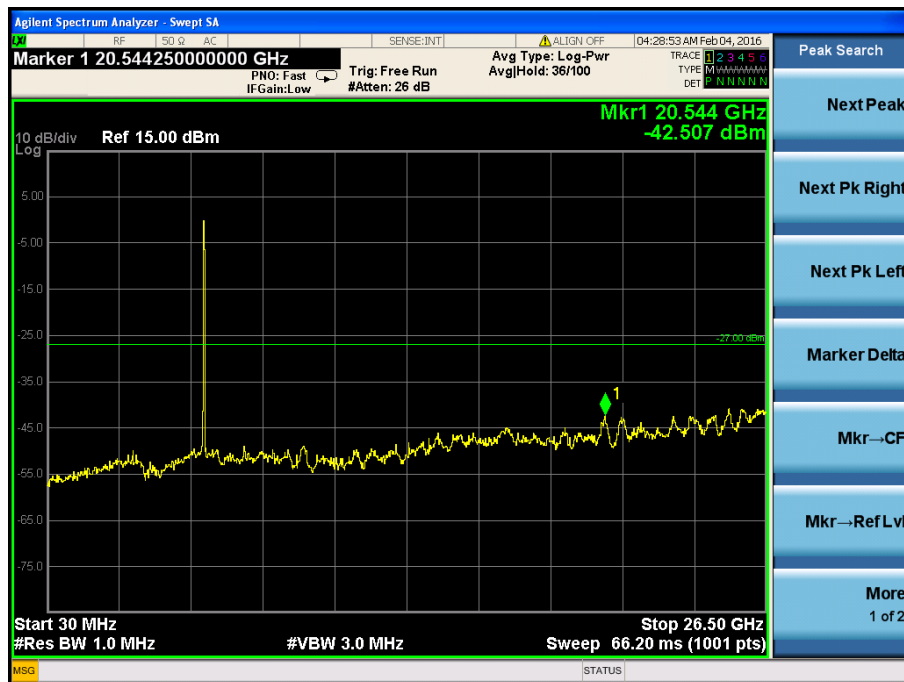
5745MHz



5785MHz

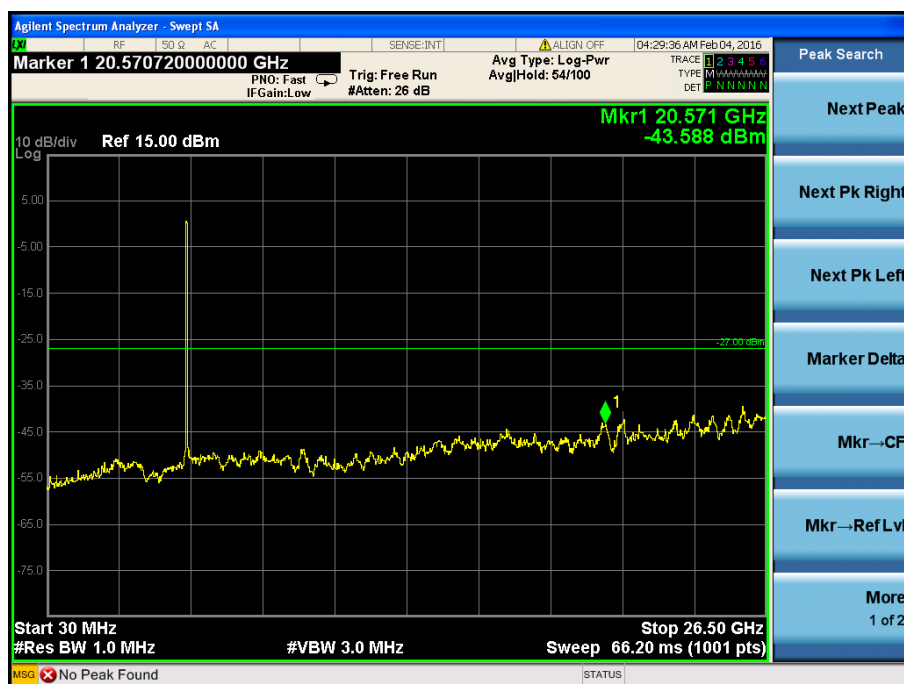


5805MHz

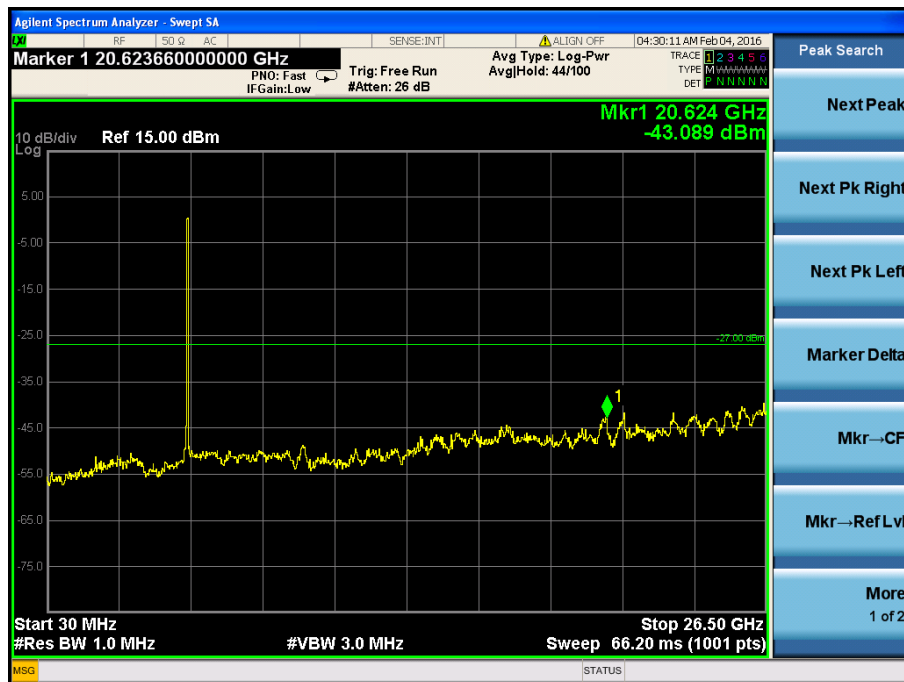


Test Mode: 802.11n-HT20

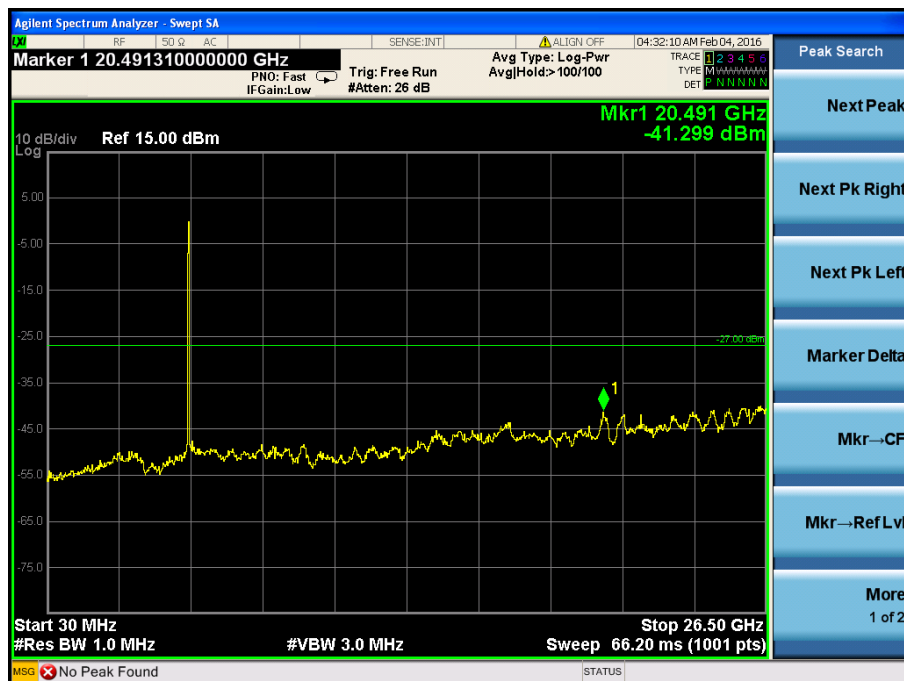
5180MHz



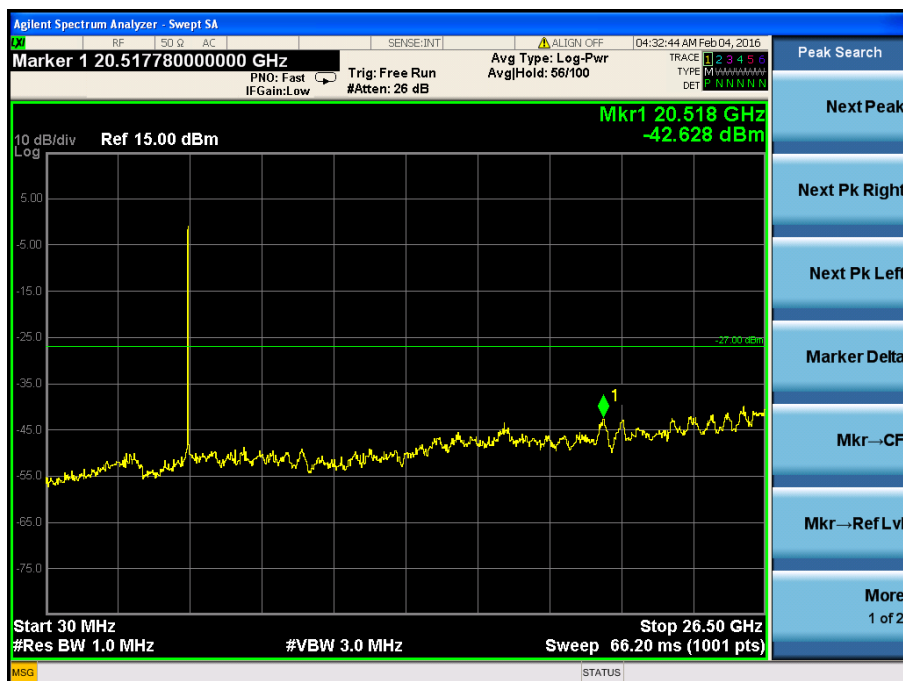
5200MHz



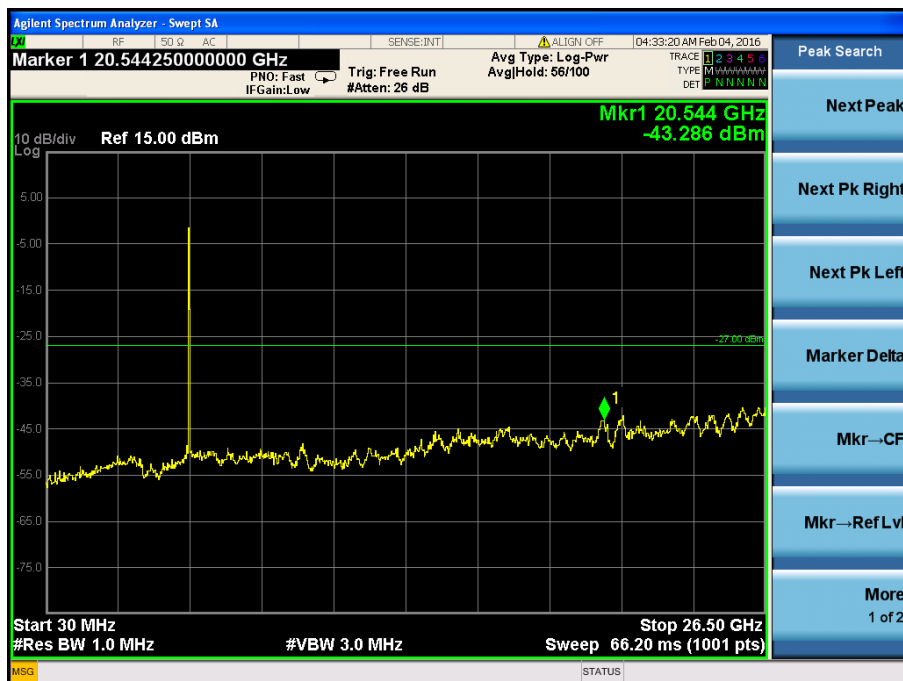
5240MHz



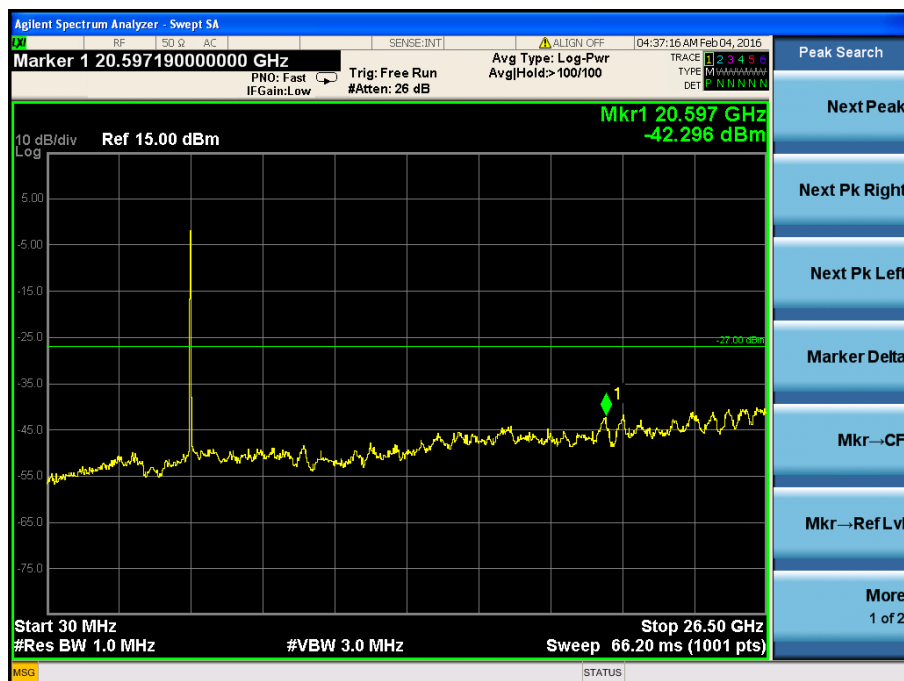
5260MHz



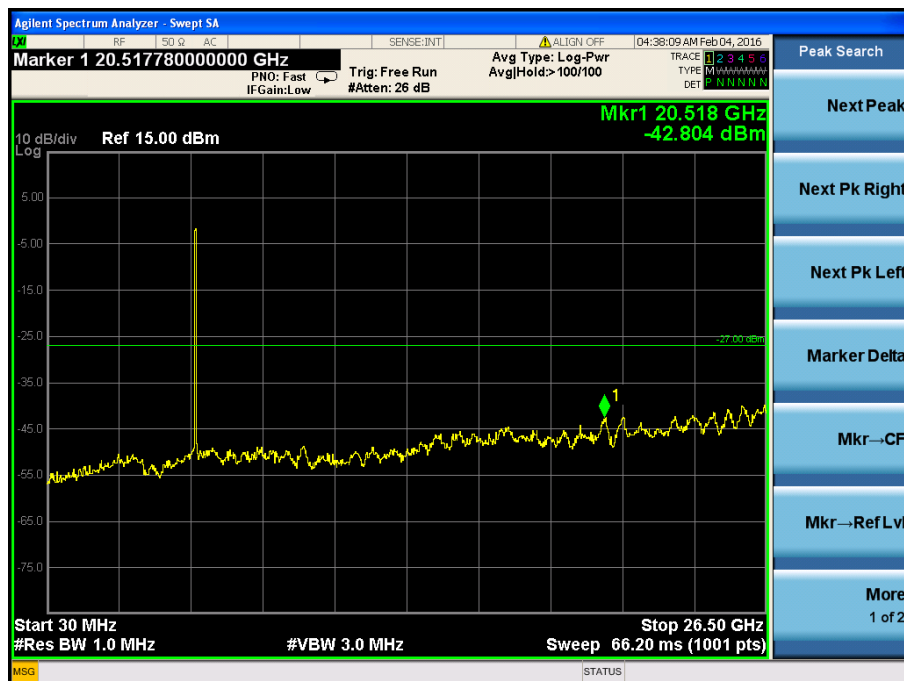
5300MHz



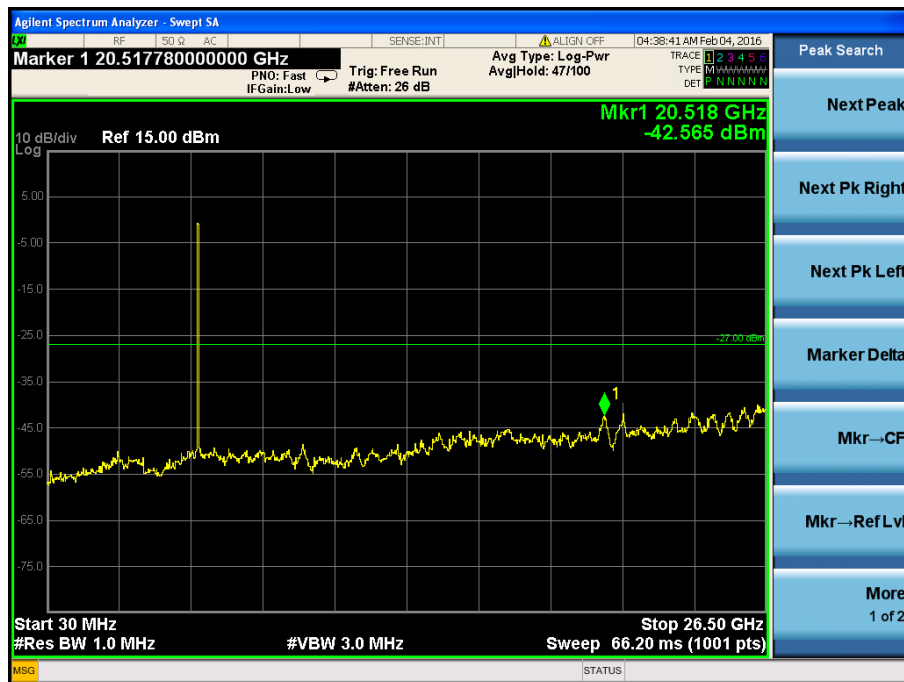
5320MHz



5500MHz



5600MHz



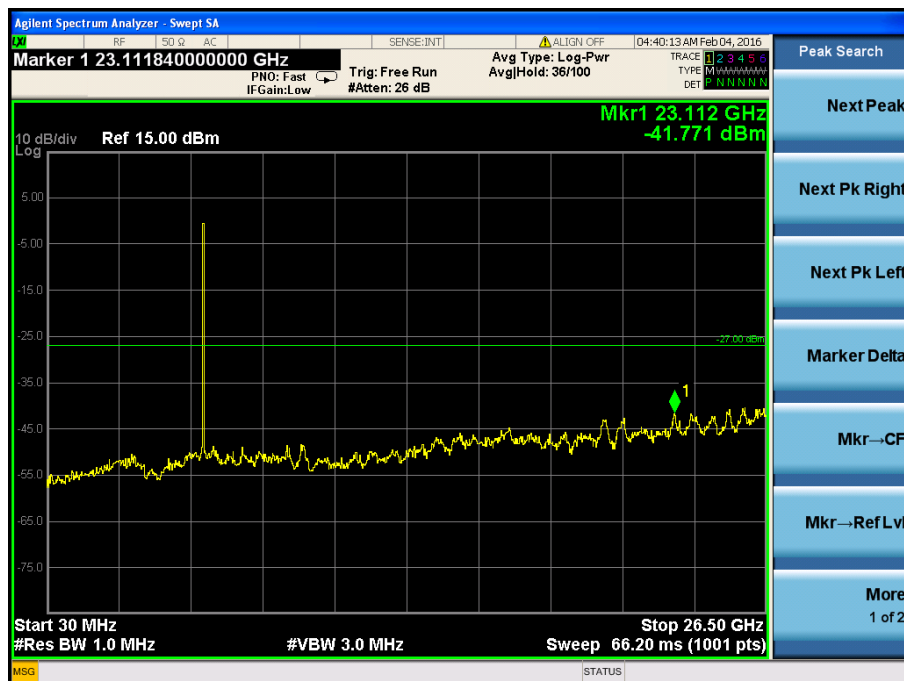
5700MHz



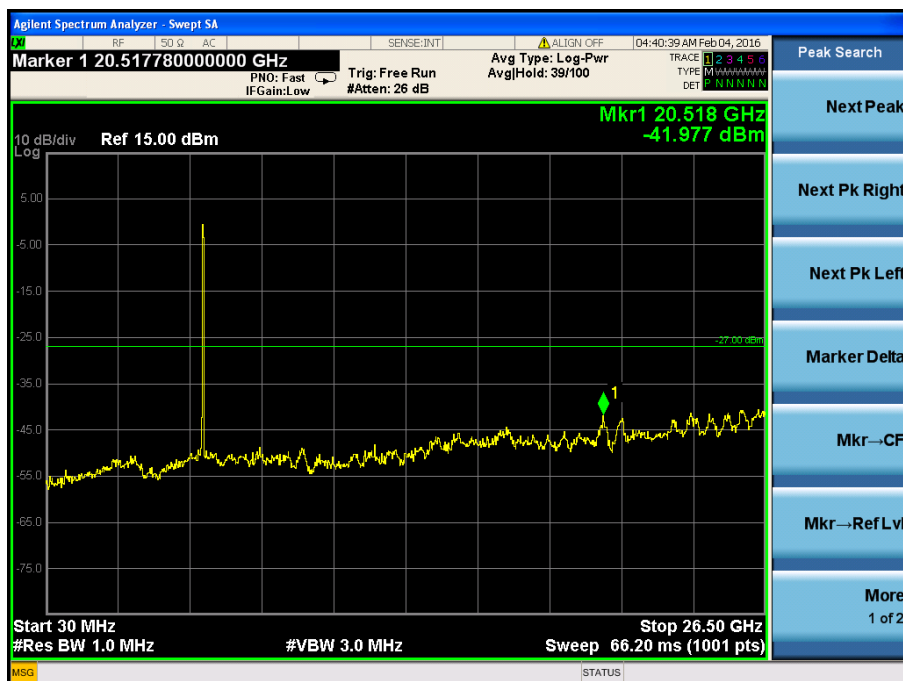
5745MHz



5785MHz

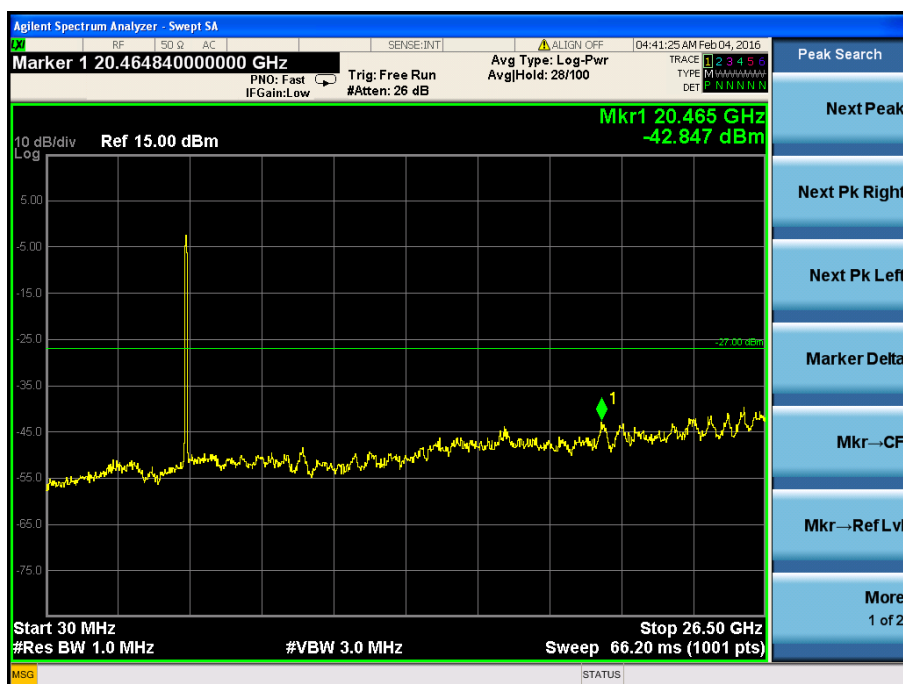


5805MHz

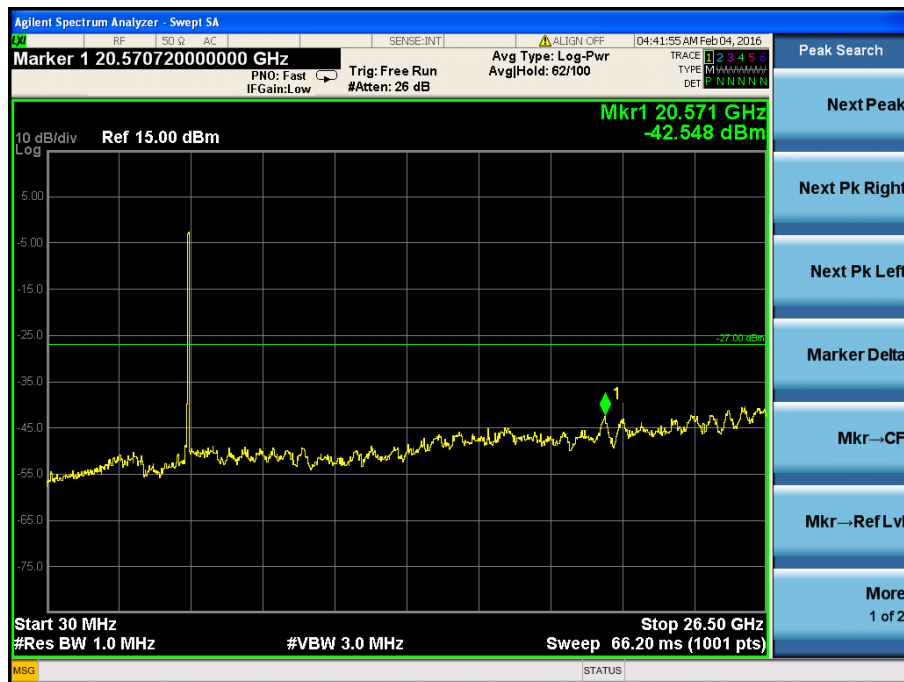


Test Mode: 802.11n-HT40

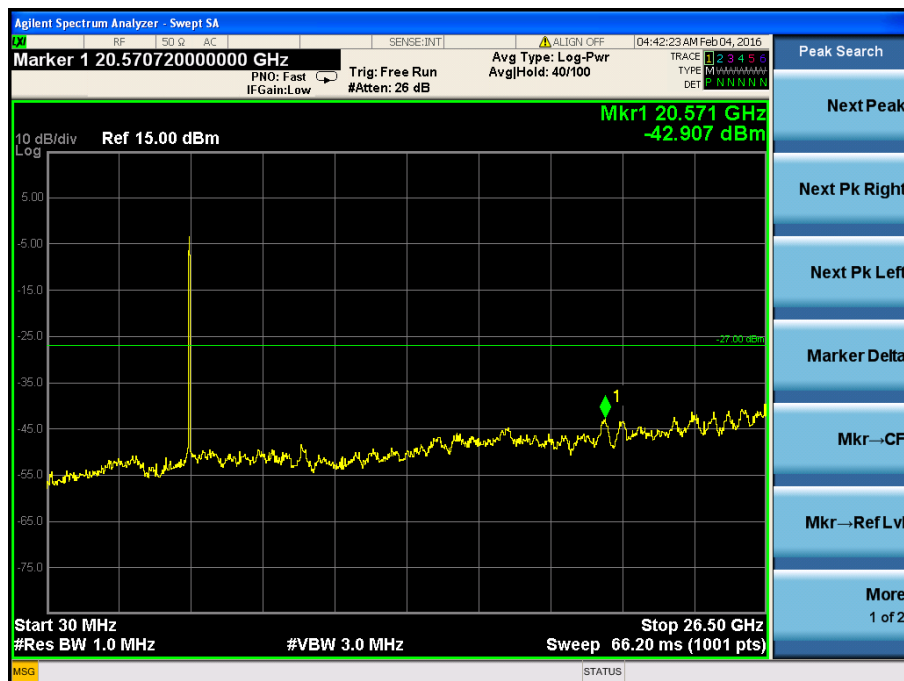
5190MHz



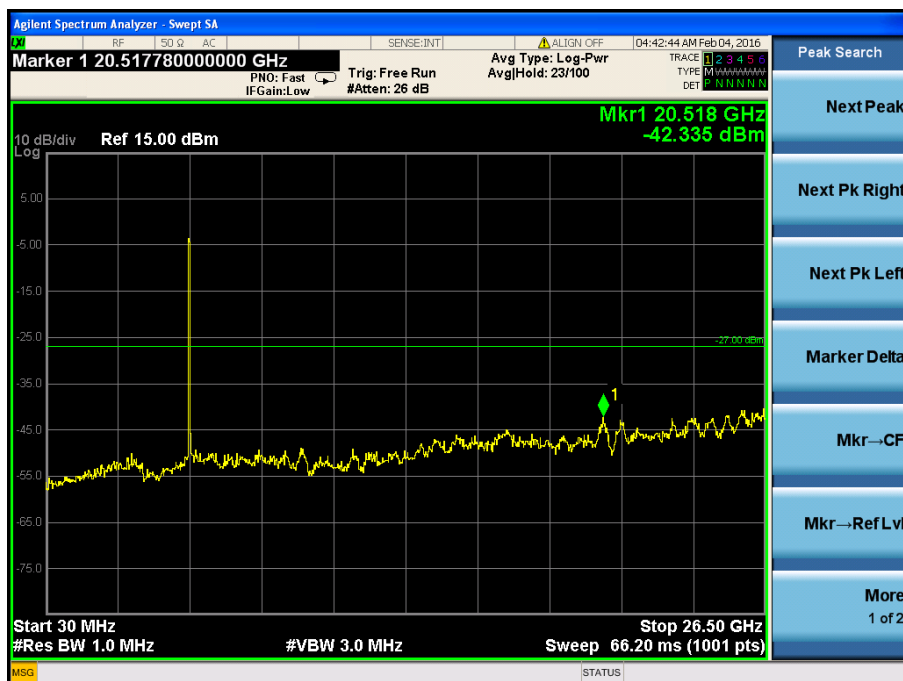
5230MHz



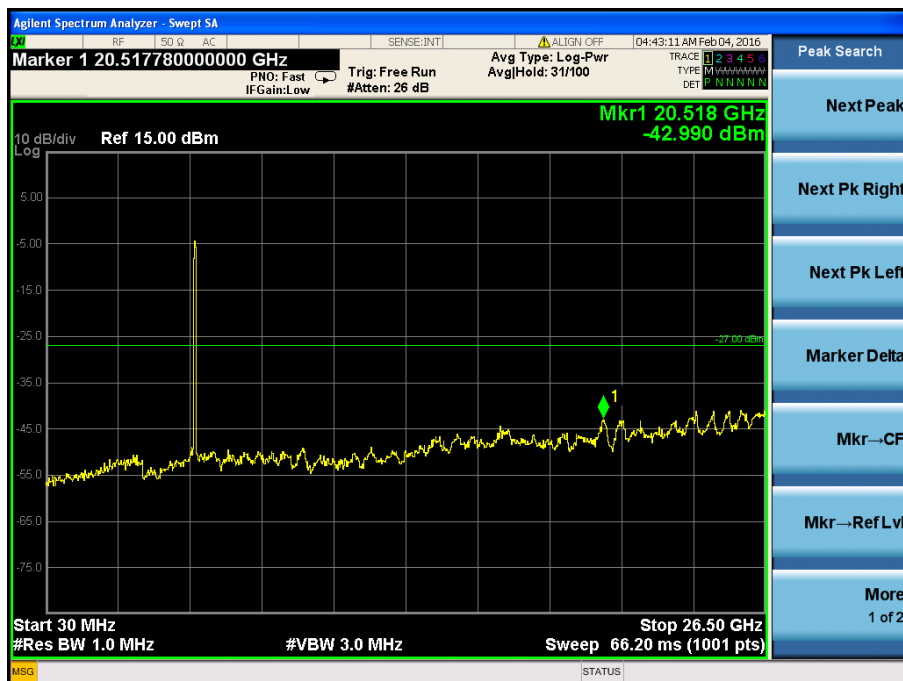
5270MHz



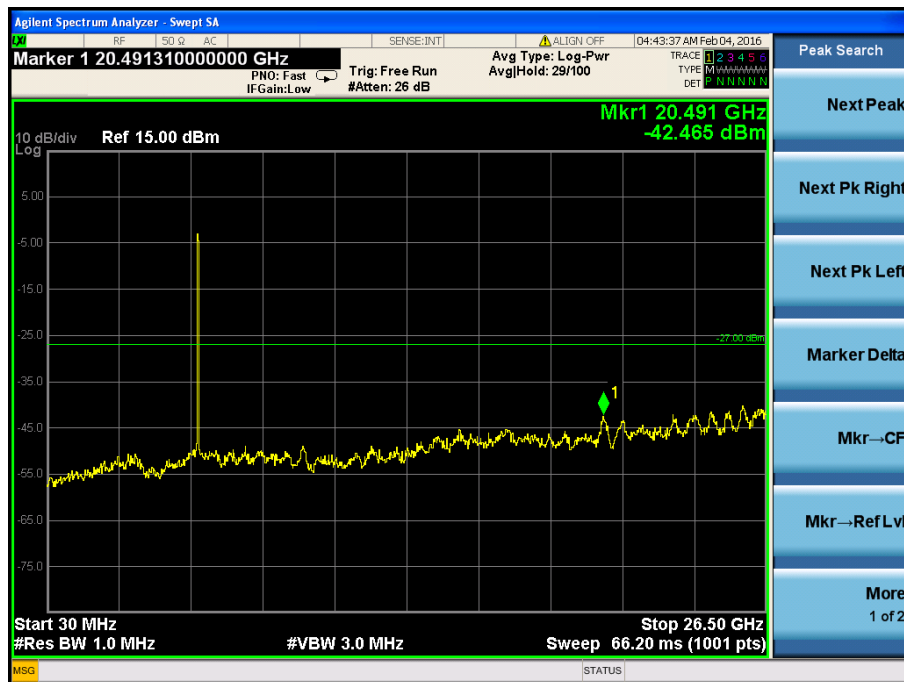
5310MHz



5510MHz



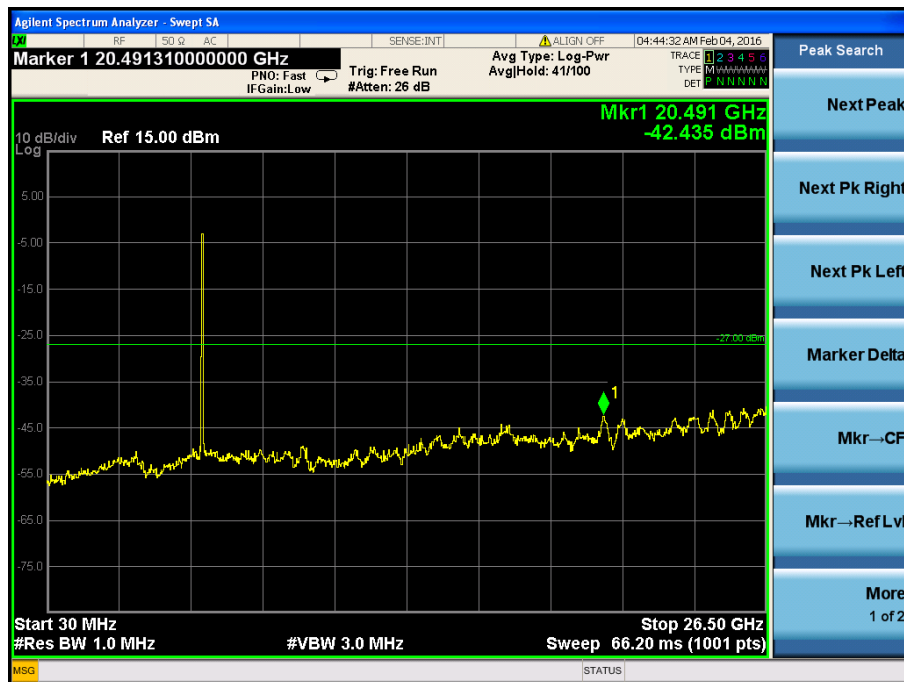
5590MHz



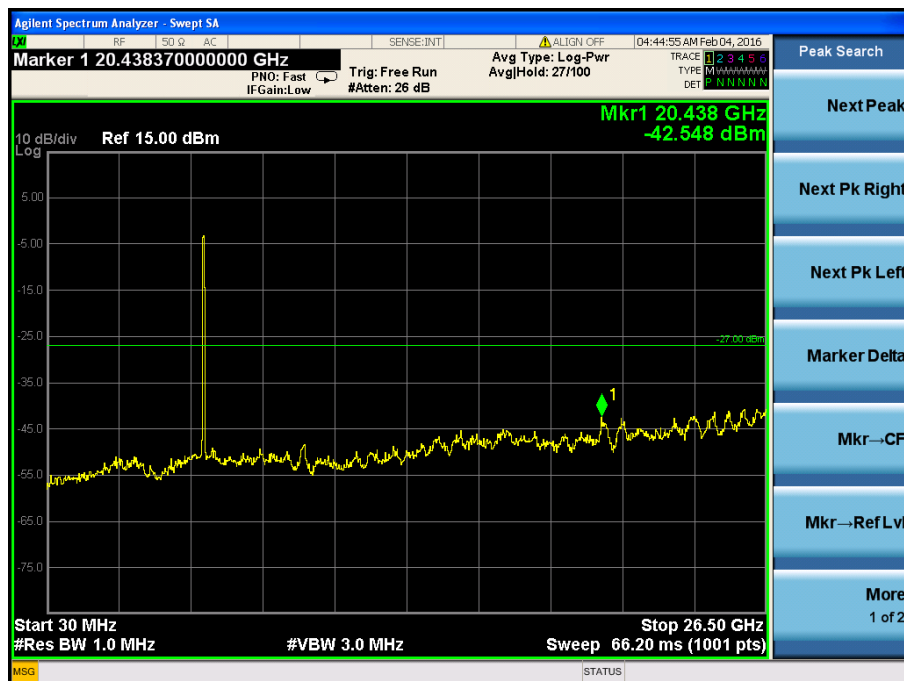
5670MHz



5755MHz

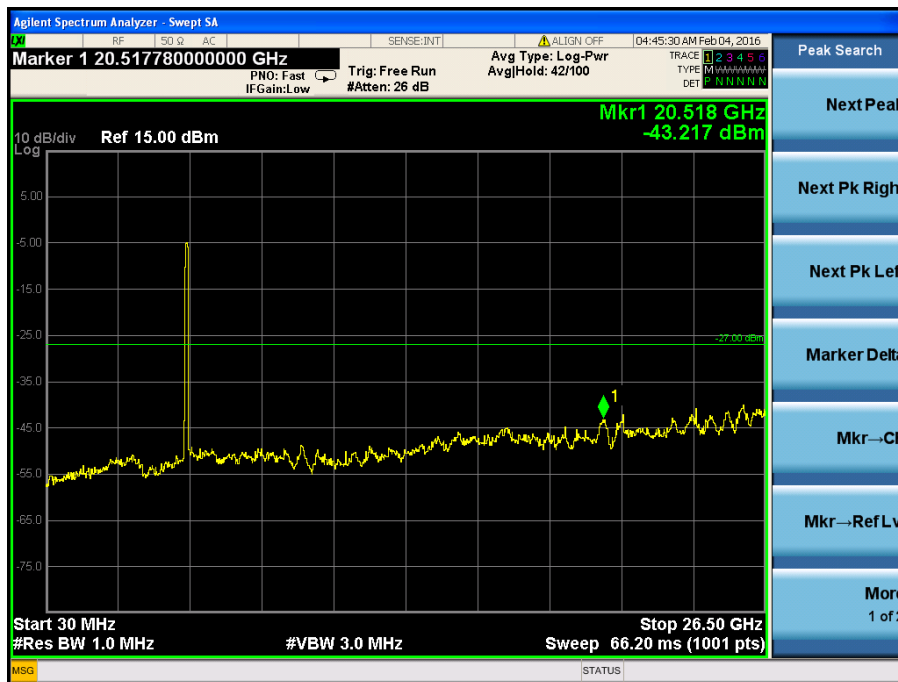


5795MHz

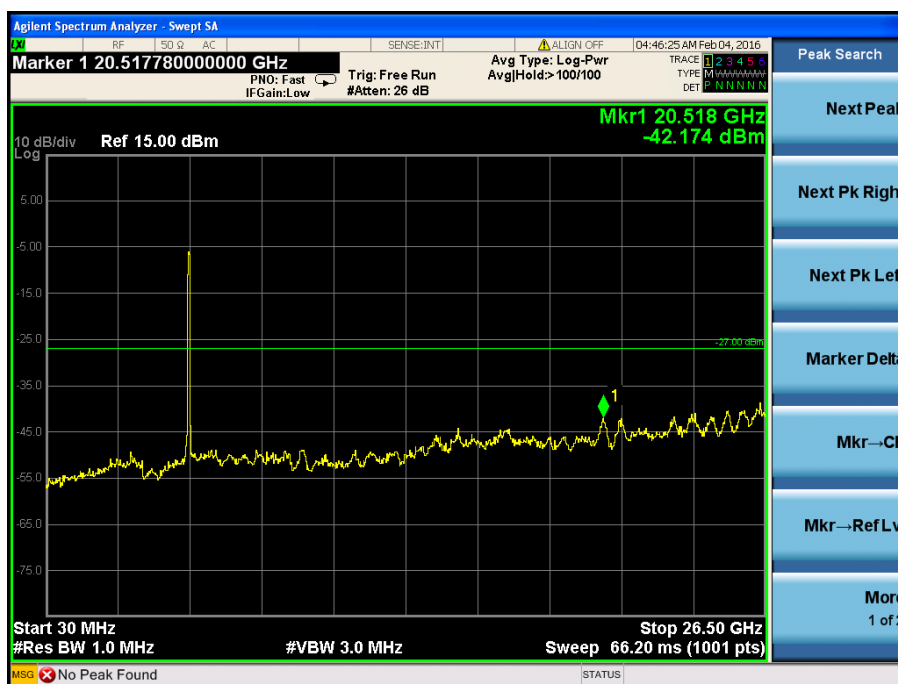


Test Mode: 802.11ac-HT80

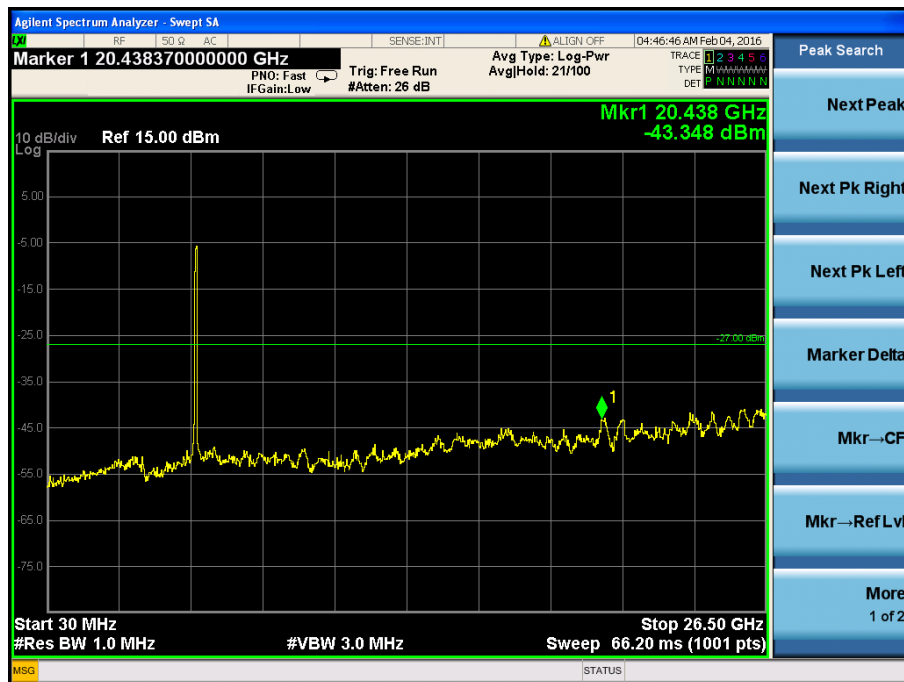
5210MHz



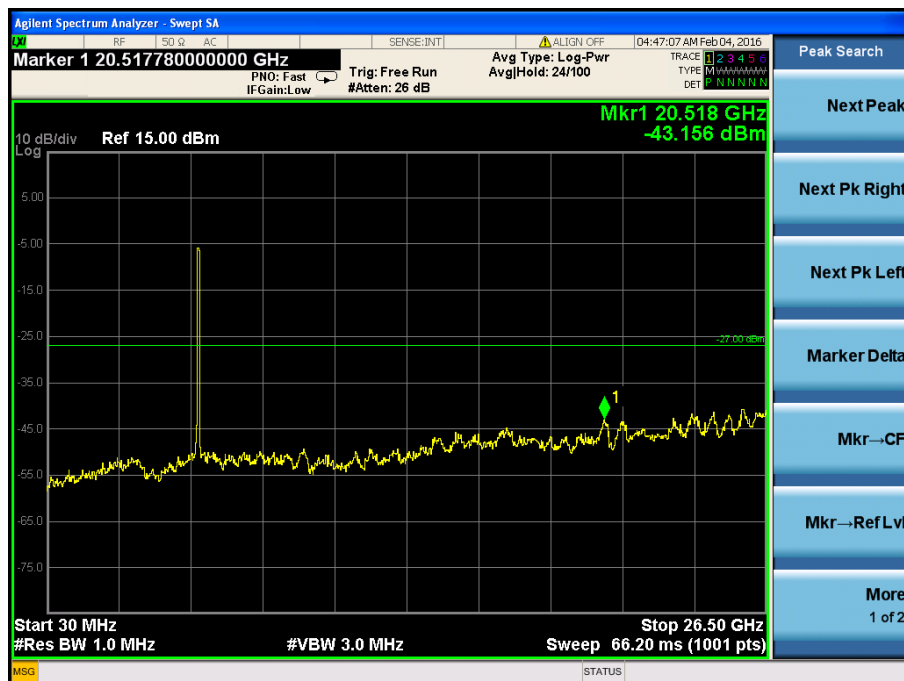
5290MHz



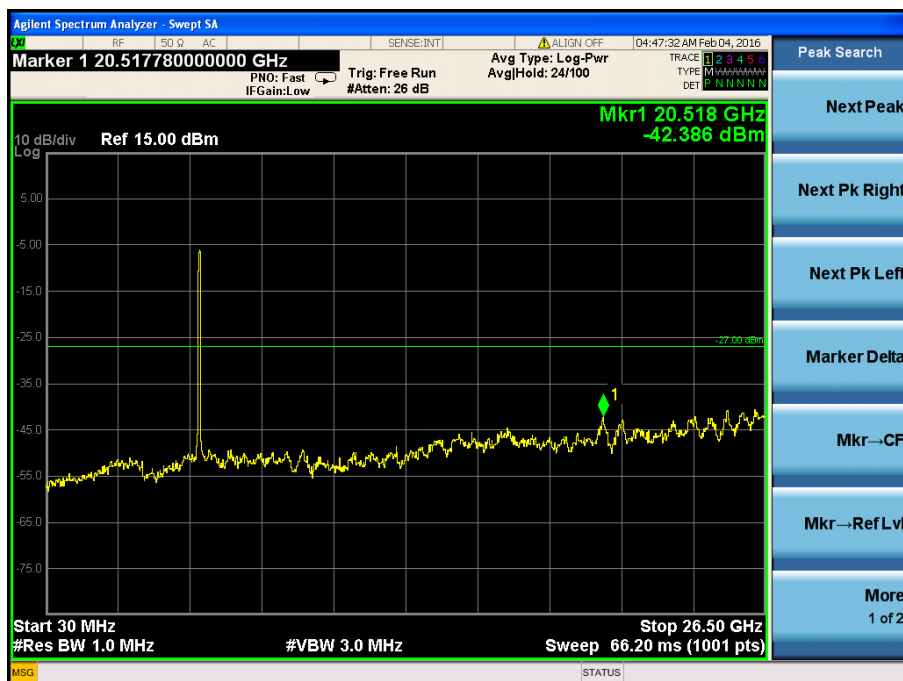
5530MHz



5610MHz



5690MHz



5775MHz



10. Radiated Spurious Emissions

10.1 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.

10.2 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:

$$\text{EIRP} = ((E \cdot d)^2) / 30$$

where:

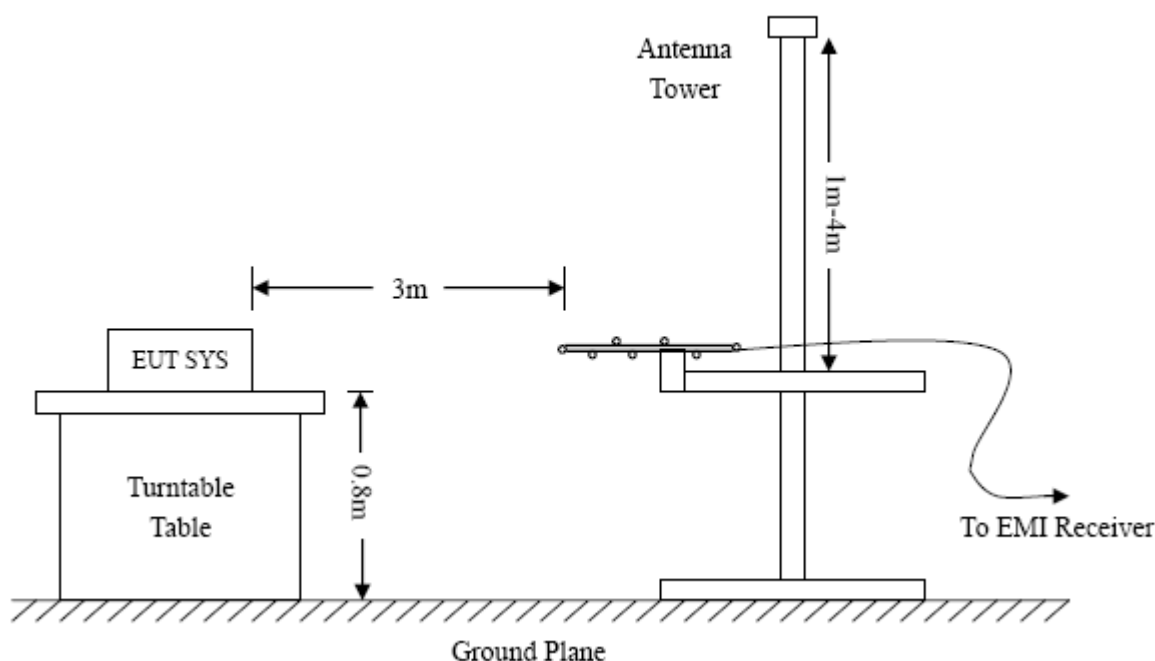
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

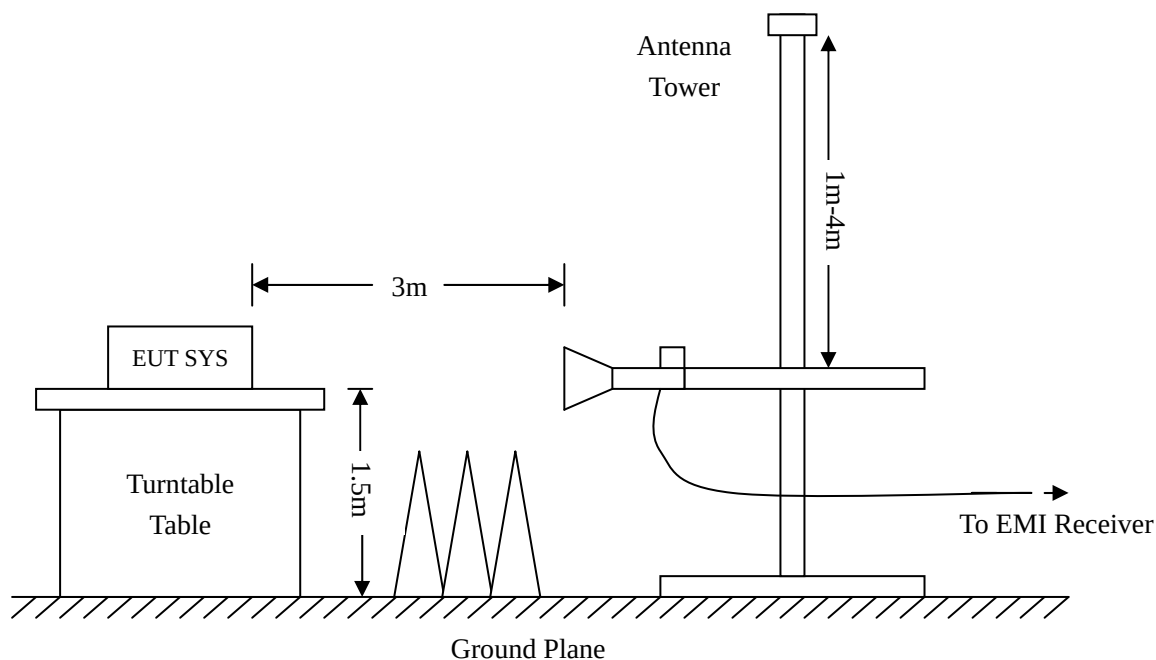
10.3 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 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.





10.4 Test Receiver Setup

During the radiated emission test for above 1GHz, the test receiver was set with the following configurations:

For peak detector:

RBW = 1000kHz, VBW = 3000kHz, Sweep Time = Auto

For average detector:

RBW = 1000kHz, VBW = 10Hz, Sweep Time = Auto

10.5 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:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

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

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

10.6 Environmental Conditions

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

10.7 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:

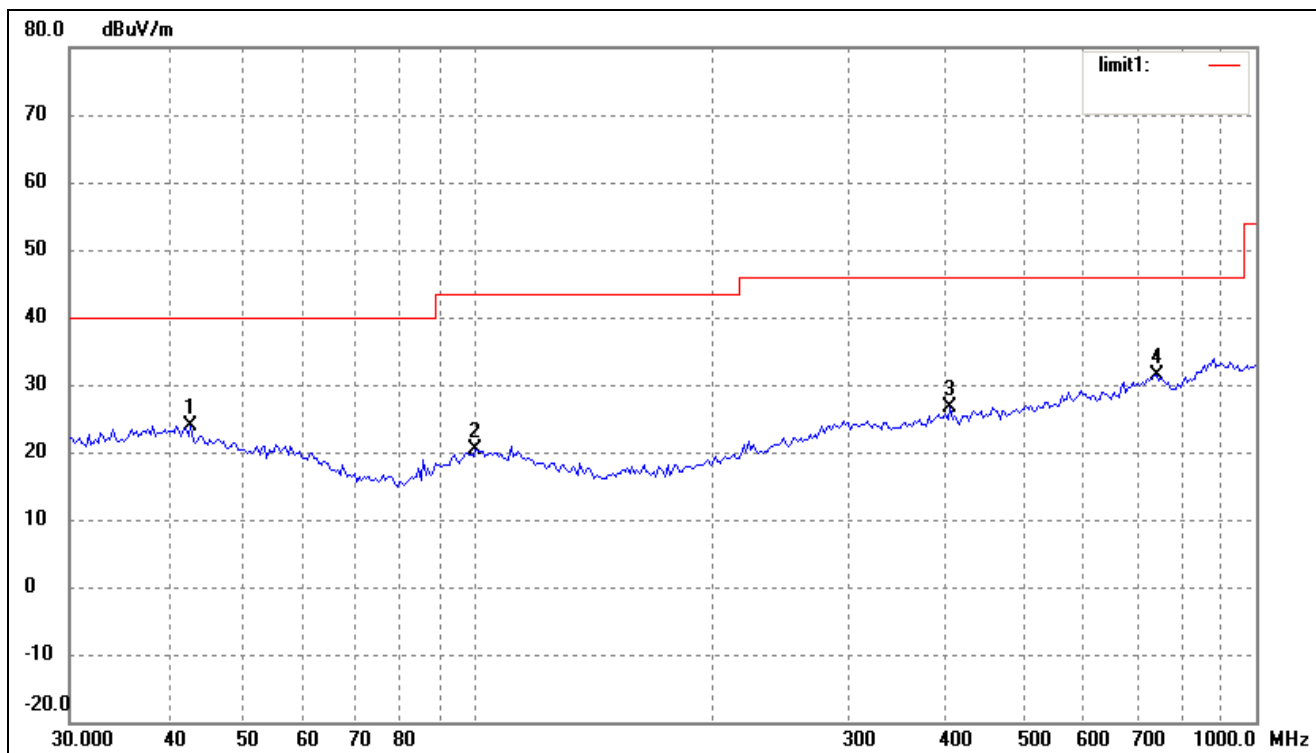
Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

For 802.11a

Spurious Emission From 30 MHz to 1 GHz

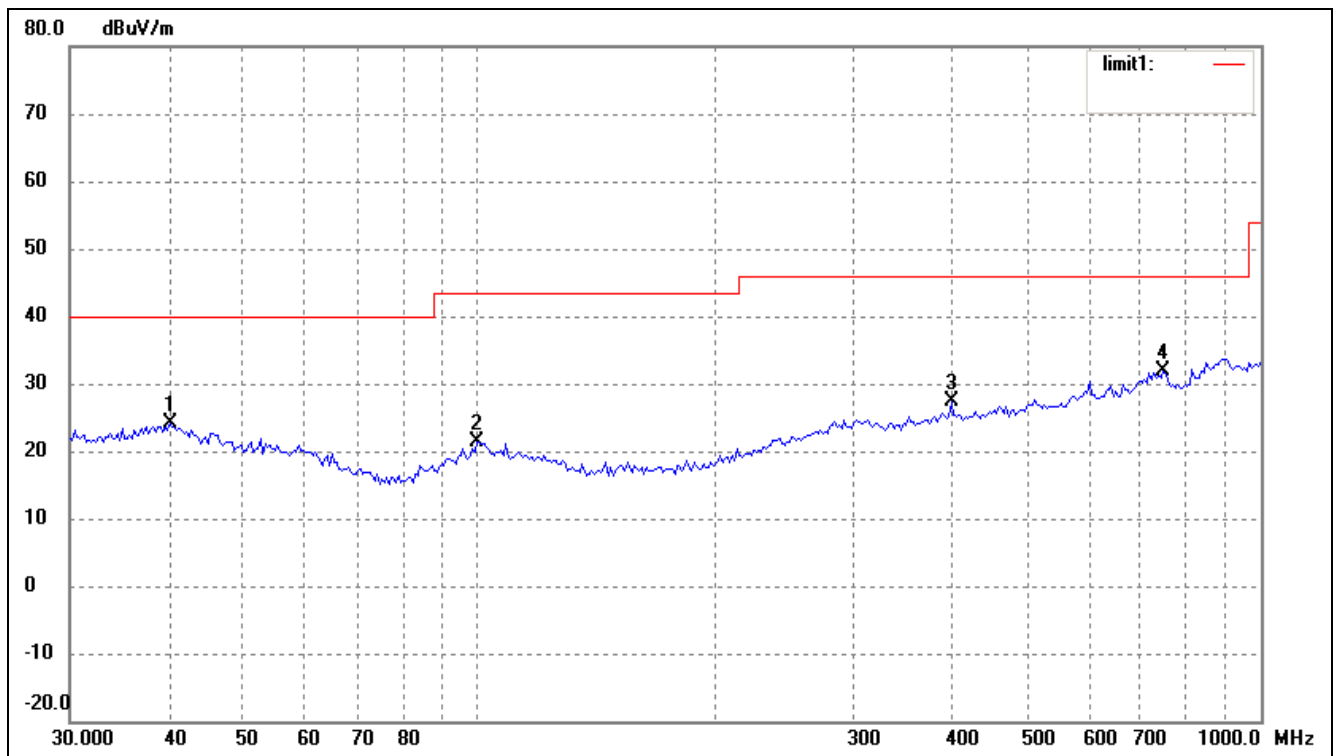
Test mode: Transmitting Channel 5180MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.8998	15.54	8.38	23.92	40.00	-16.08	114	100	peak
2	99.5281	14.42	6.01	20.43	43.50	-23.07	270	100	peak
3	404.6665	16.56	9.96	26.52	46.00	-19.48	360	100	peak
4	744.8661	16.07	15.33	31.40	46.00	-14.60	116	100	peak

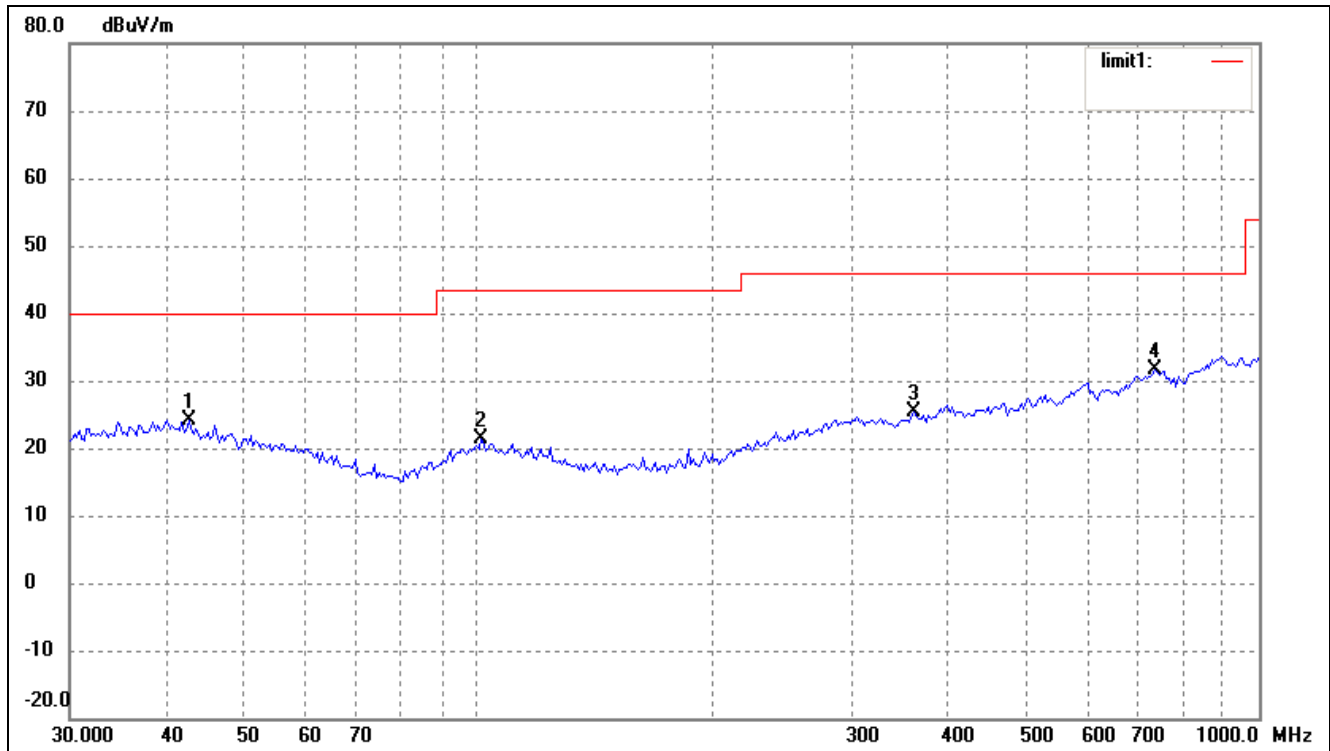
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.2757	14.85	9.17	24.02	40.00	-15.98	178	100	peak
2	99.5281	15.34	6.01	21.35	43.50	-22.15	224	100	peak
3	401.8385	17.34	10.06	27.40	46.00	-18.60	160	100	peak
4	750.1083	16.70	15.09	31.79	46.00	-14.21	290	100	peak

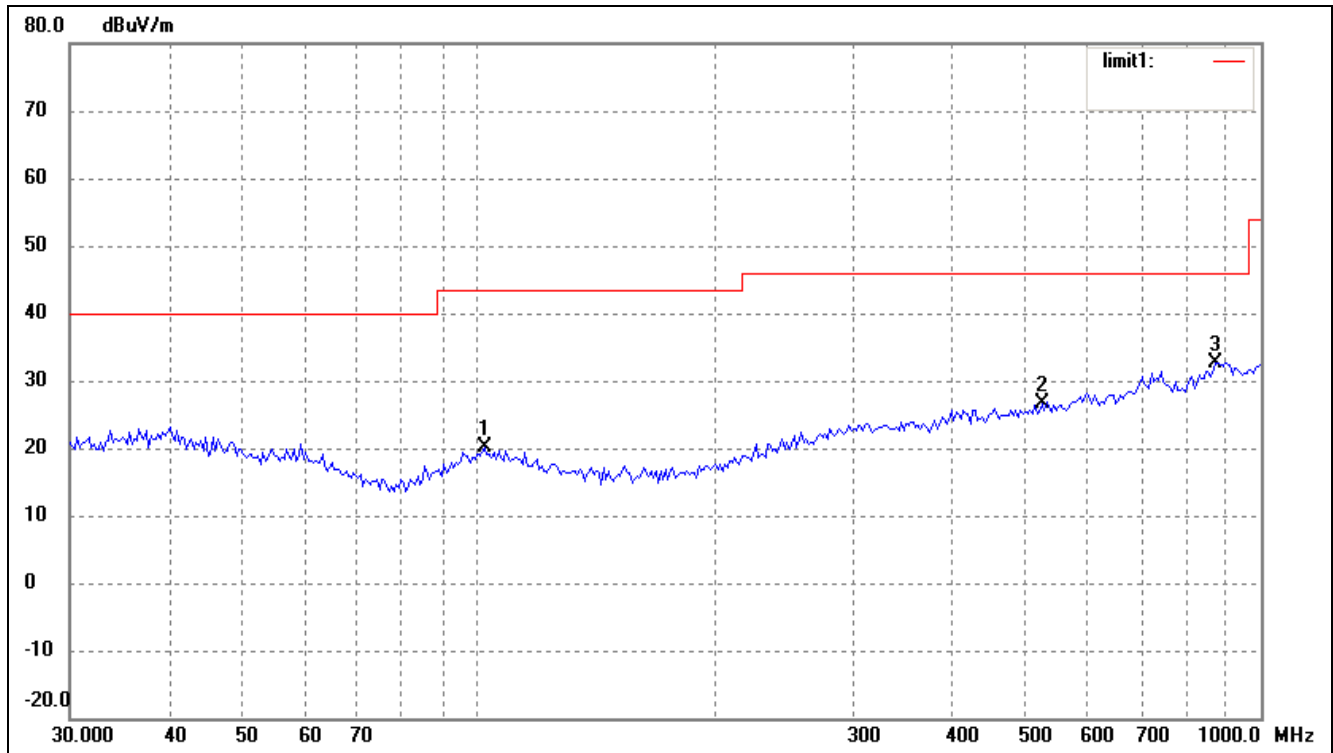
Test mode: Transmitting Channel 5200MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.6000	15.76	8.47	24.23	40.00	-15.77	256	100	peak
2	100.9339	15.43	6.03	21.46	43.50	-22.04	360	100	peak
3	361.7139	16.18	9.24	25.42	46.00	-20.58	360	100	peak
4	734.4913	16.40	15.22	31.62	46.00	-14.38	360	100	peak

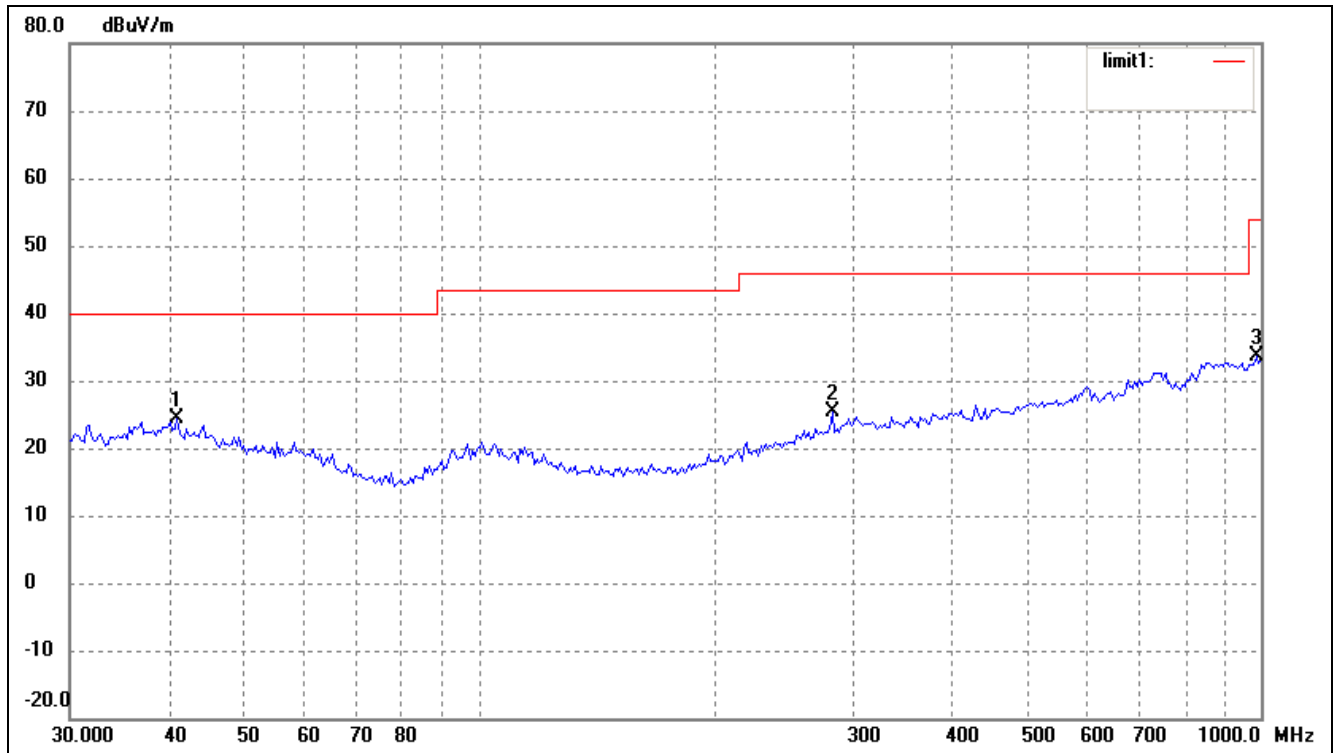
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	101.6443	14.15	5.95	20.10	43.50	-23.40	176	100	peak
2	524.5541	15.21	11.36	26.57	46.00	-19.43	255	100	peak
3	875.2470	16.03	16.70	32.73	46.00	-13.27	360	100	peak

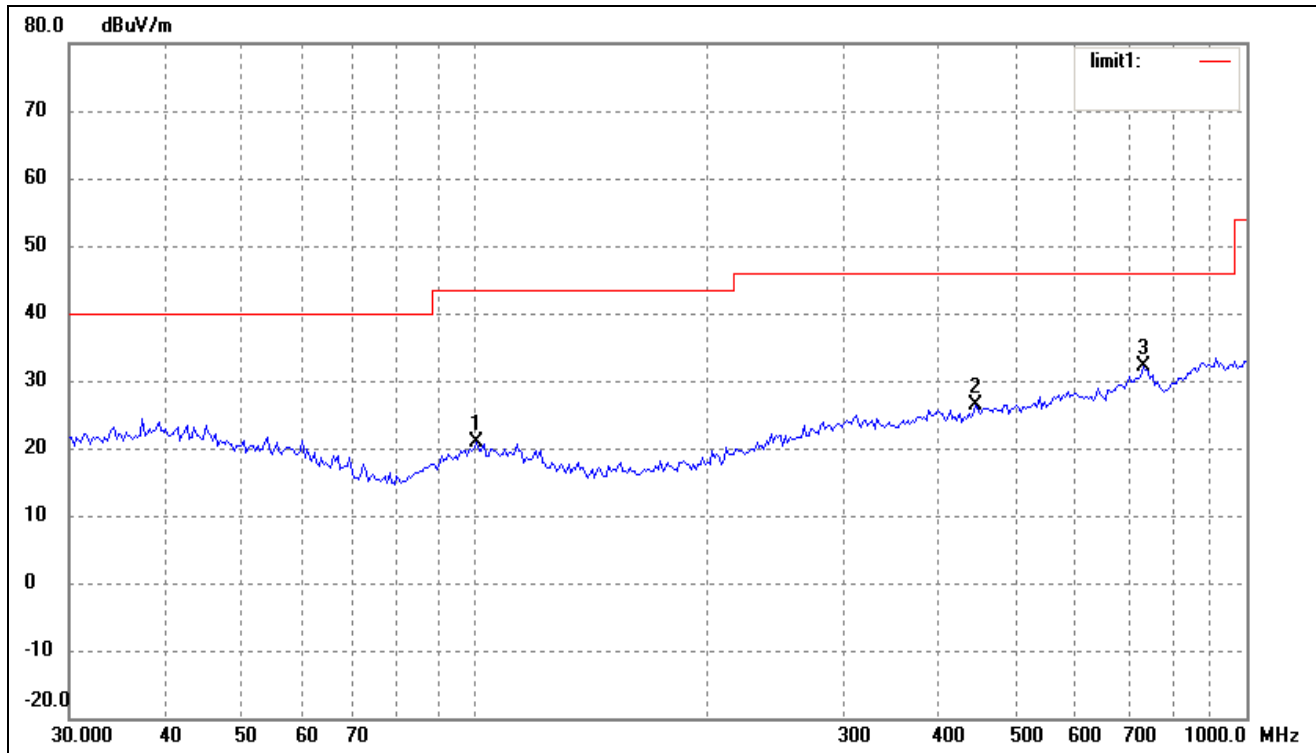
Test mode: Transmitting Channel 5240MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.1320	15.58	8.91	24.49	40.00	-15.51	323	100	peak
2	282.9852	16.87	8.51	25.38	46.00	-20.62	147	100	peak
3	986.0717	16.79	16.90	33.69	54.00	-20.31	159	100	peak

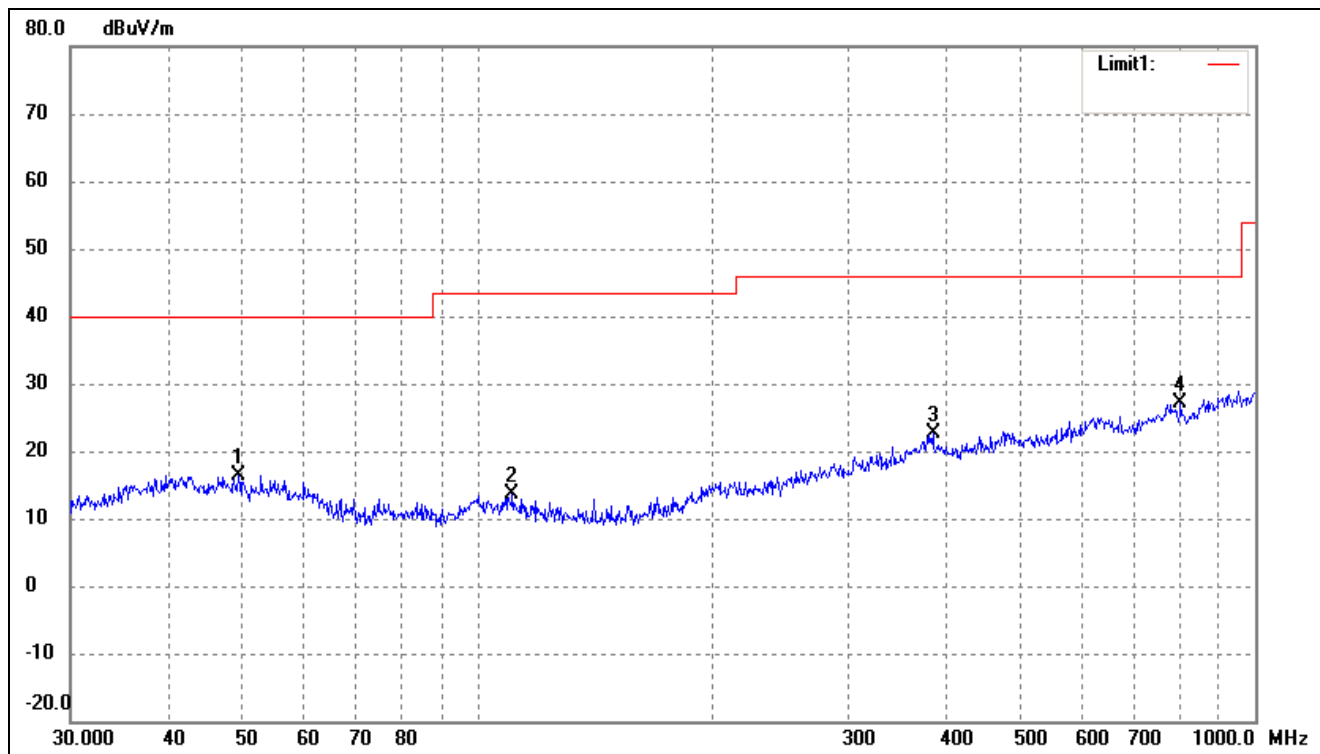
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	100.9340	14.78	6.03	20.81	43.50	-22.69	171	100	peak
2	446.4141	16.14	10.19	26.33	46.00	-19.67	189	100	peak
3	734.4913	16.85	15.22	32.07	46.00	-13.93	163	100	peak

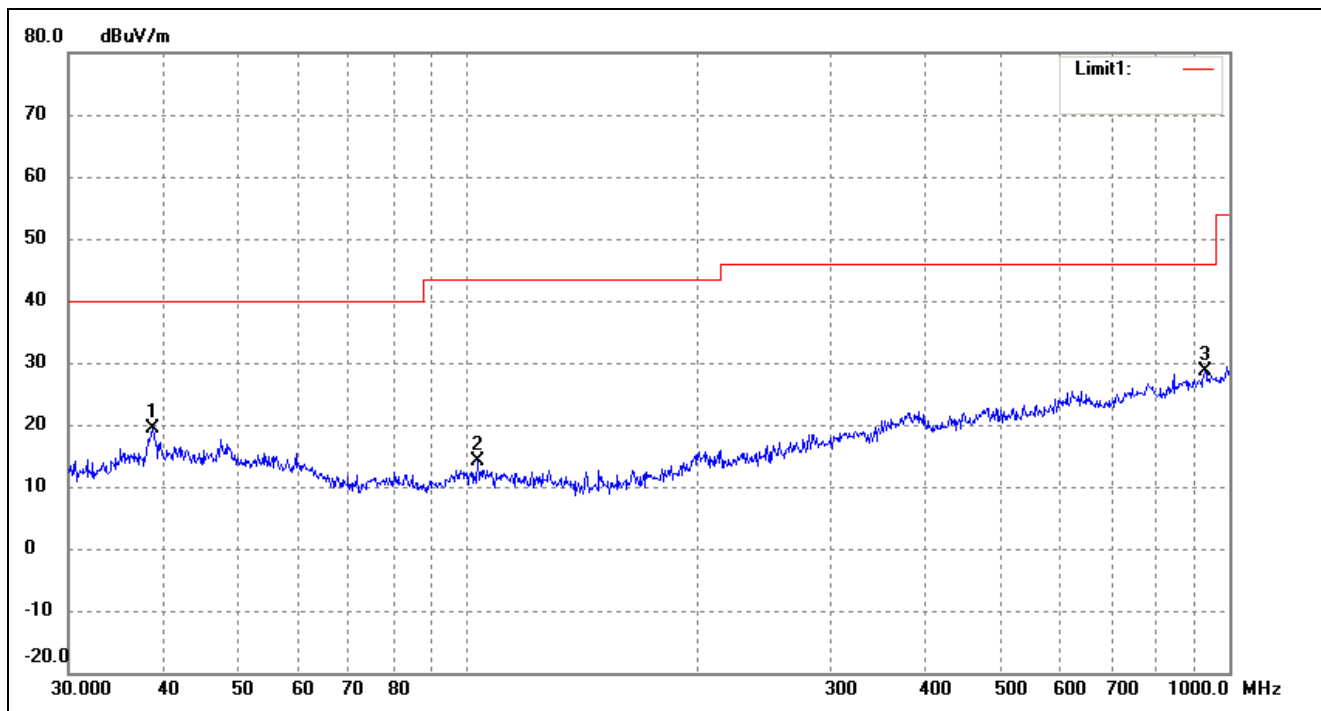
Test mode: Transmitting Channel 5260MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	49.3594	24.75	-8.28	16.47	40.00	-23.53	214	100	peak
2	110.9571	24.78	-11.19	13.59	43.50	-29.91	347	100	peak
3	385.2805	25.06	-2.38	22.68	46.00	-23.32	251	100	peak
4	801.7863	25.35	1.87	27.22	46.00	-18.78	136	100	peak

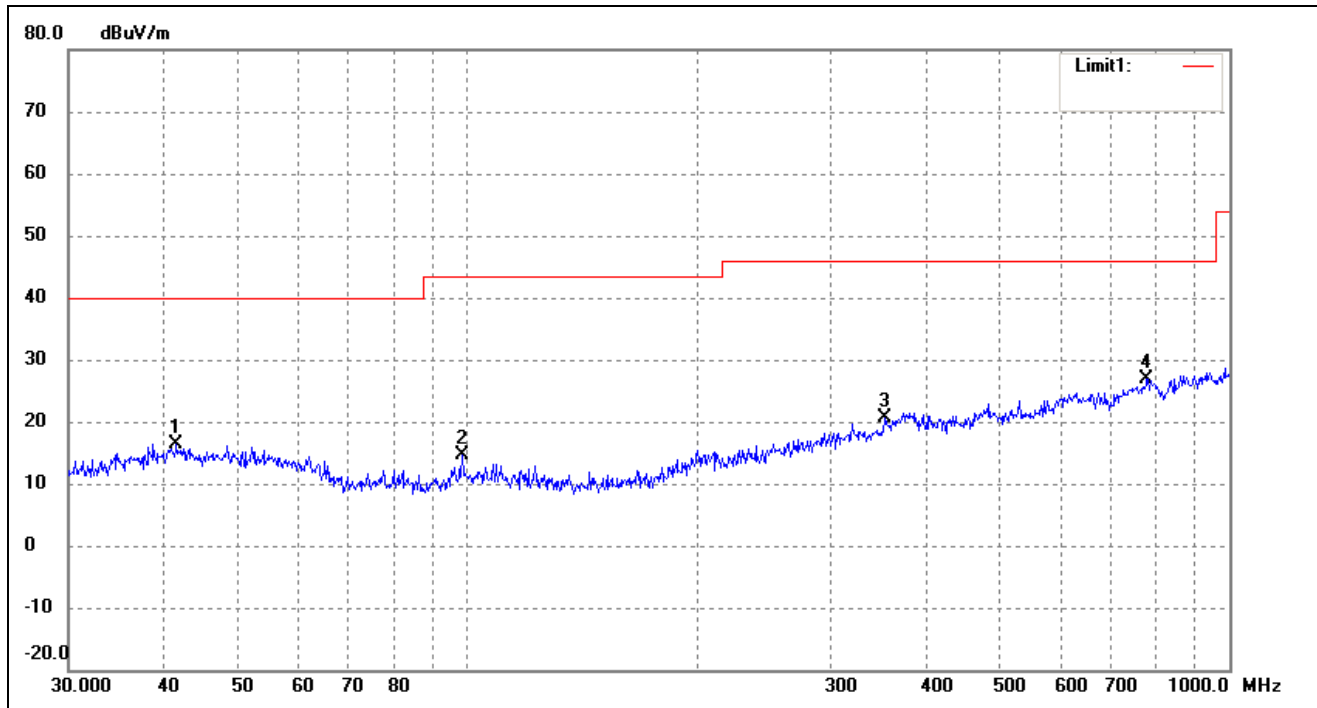
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.6161	27.35	-8.05	19.30	40.00	-20.70	149	100	peak
2	103.0800	25.08	-10.97	14.11	43.50	-29.39	169	100	peak
3	929.0082	24.75	3.94	28.69	46.00	-17.31	156	100	peak

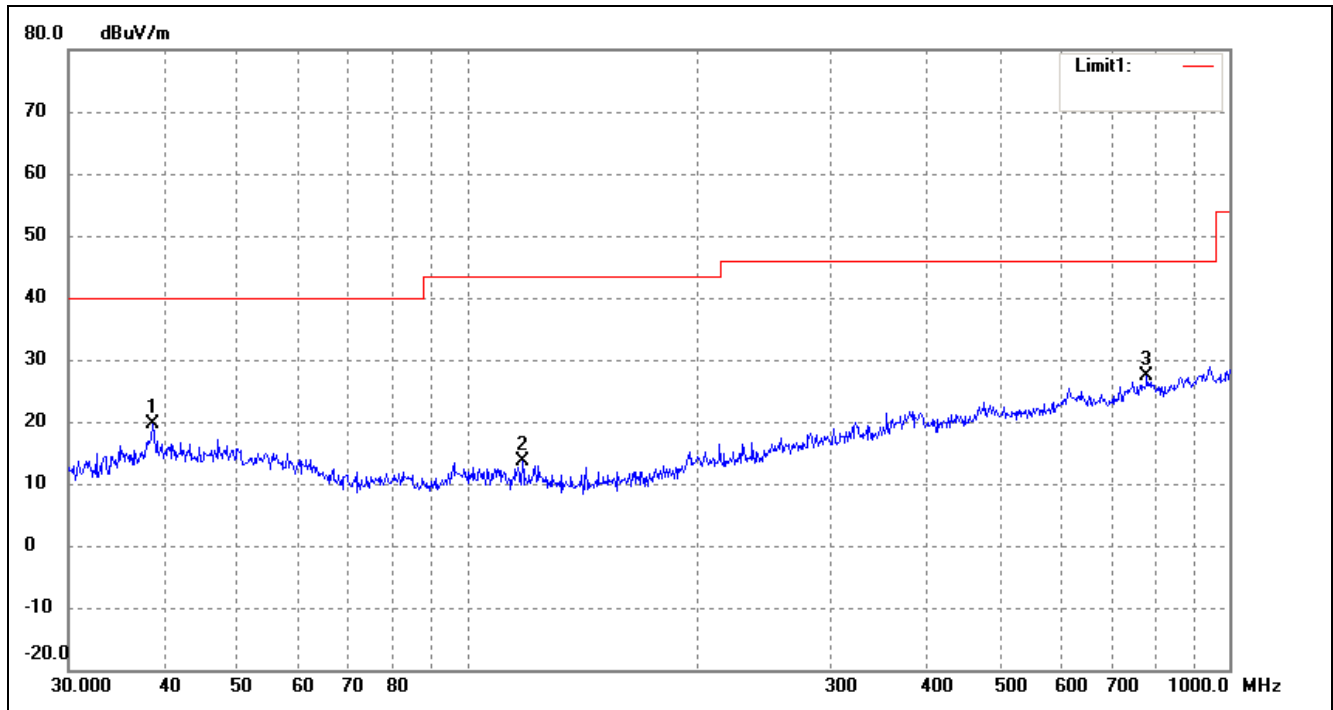
Test mode: Transmitting Channel 5300MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.5670	24.05	-7.77	16.28	40.00	-23.72	216	100	peak
2	98.4866	25.73	-11.21	14.52	43.50	-28.98	147	100	peak
3	352.9433	24.40	-3.86	20.54	46.00	-25.46	136	100	peak
4	779.6068	24.08	2.88	26.96	46.00	-19.04	258	100	peak

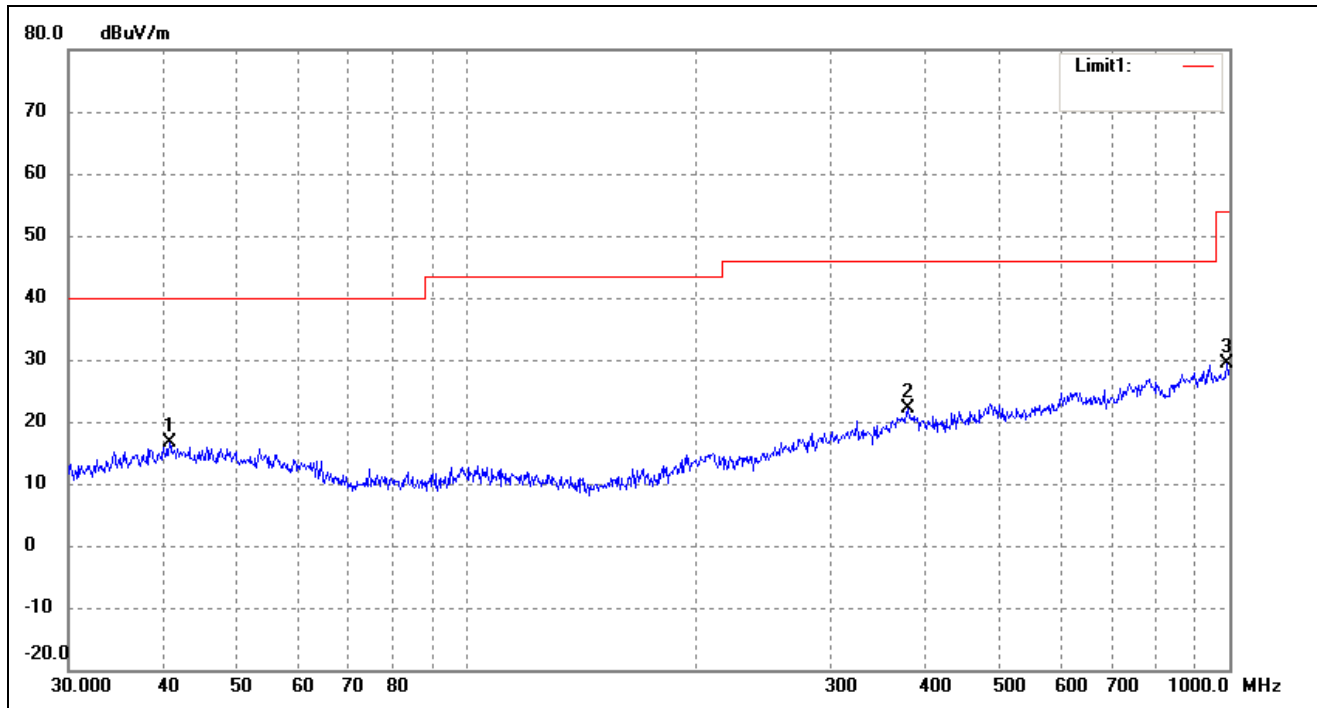
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.6160	27.72	-8.05	19.67	40.00	-20.33	169	100	peak
2	118.1862	24.89	-11.38	13.51	43.50	-29.99	126	100	peak
3	779.6068	24.47	2.88	27.35	46.00	-18.65	133	100	peak

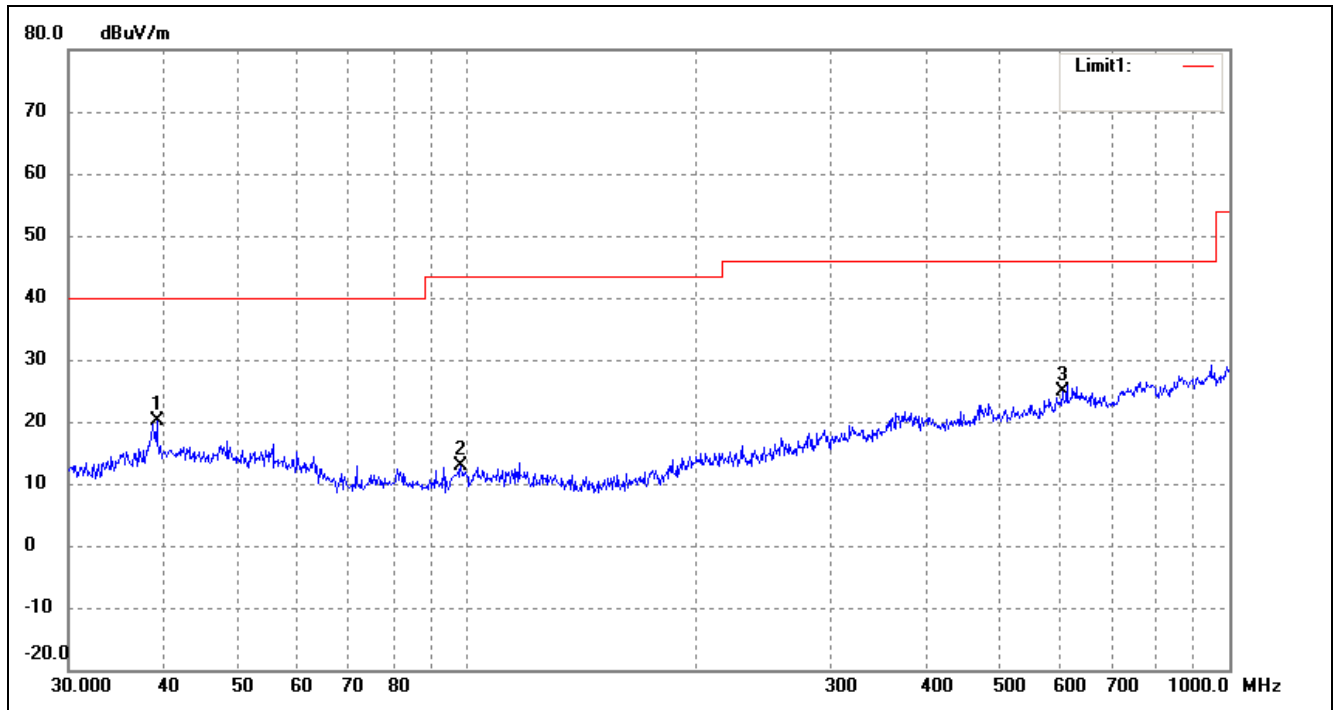
Test mode: Transmitting Channel 5320MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.7016	24.40	-7.71	16.69	40.00	-23.31	164	100	peak
2	378.5843	24.37	-2.17	22.20	46.00	-23.80	137	100	peak
3	993.0114	24.94	4.49	29.43	54.00	-24.57	189	100	peak

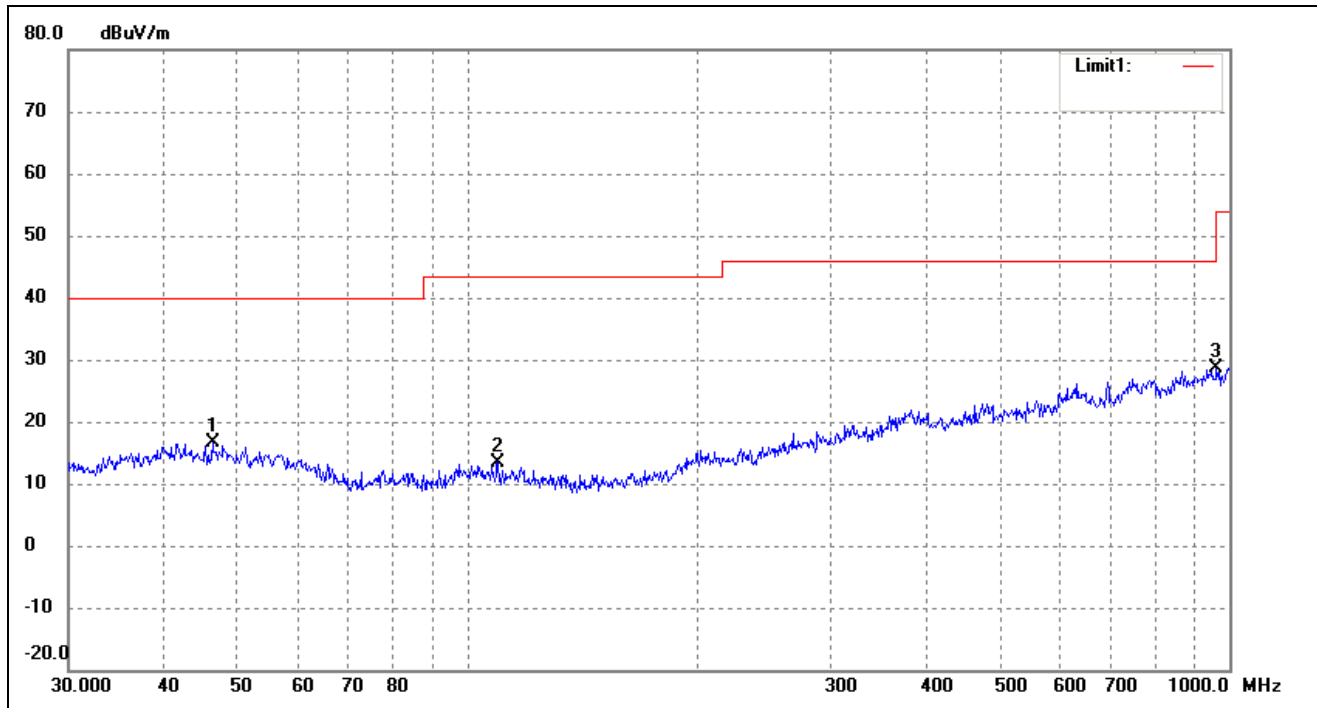
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	39.1616	27.94	-7.90	20.04	40.00	-19.96	147	100	peak
2	98.1419	24.10	-11.28	12.82	43.50	-30.68	214	100	peak
3	603.5392	24.89	0.10	24.99	46.00	-21.01	196	100	peak

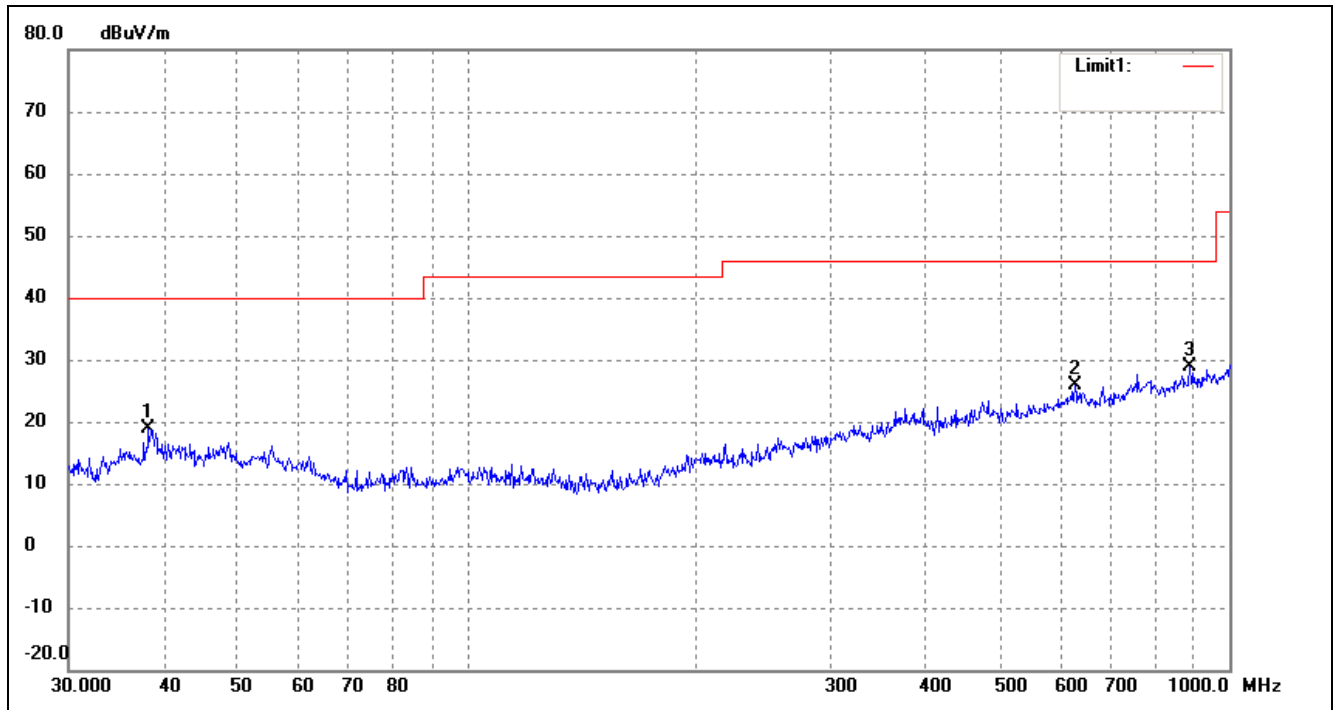
Test mode: Transmitting Channel 5500MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	46.3402	24.63	-8.08	16.55	40.00	-23.45	137	100	peak
2	109.7960	24.65	-11.16	13.49	43.50	-30.01	169	100	peak
3	962.1623	25.01	3.61	28.62	54.00	-25.38	188	100	peak

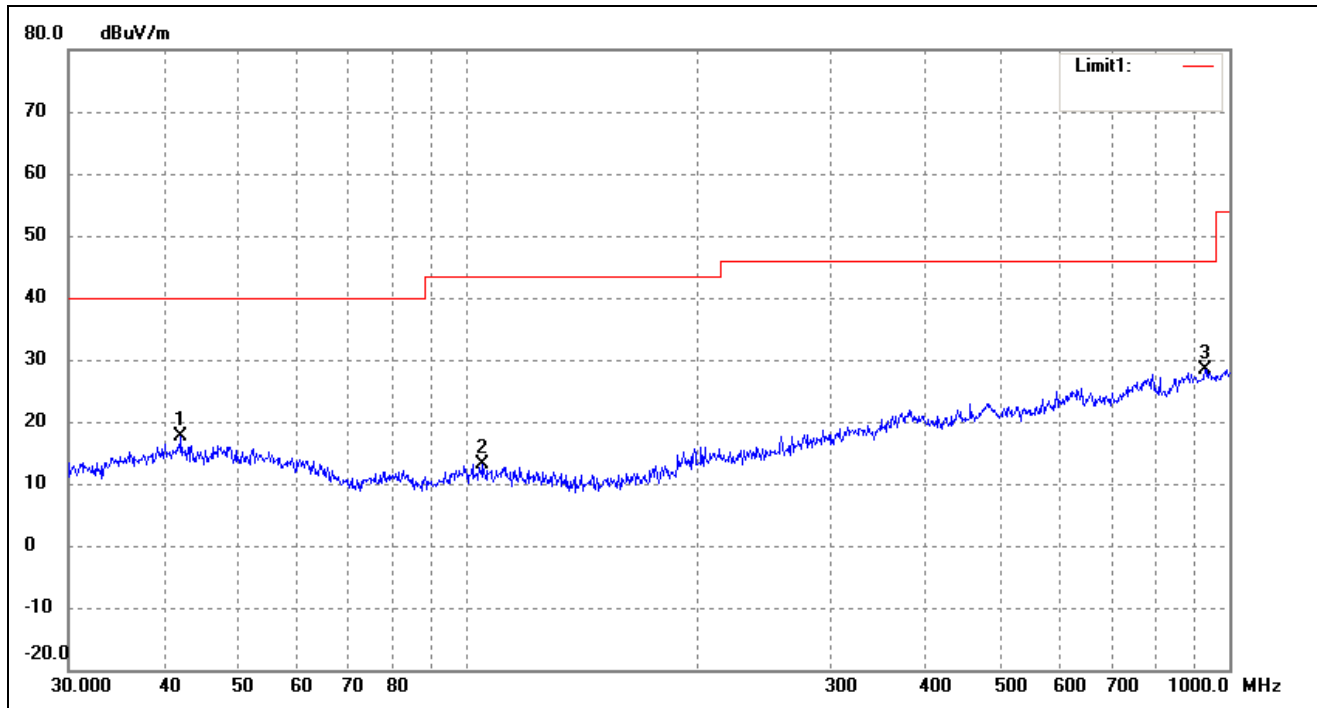
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.2120	27.07	-8.16	18.91	40.00	-21.09	151	100	peak
2	627.2738	24.72	1.05	25.77	46.00	-20.23	163	100	peak
3	887.6099	25.80	3.15	28.95	46.00	-17.05	184	100	peak

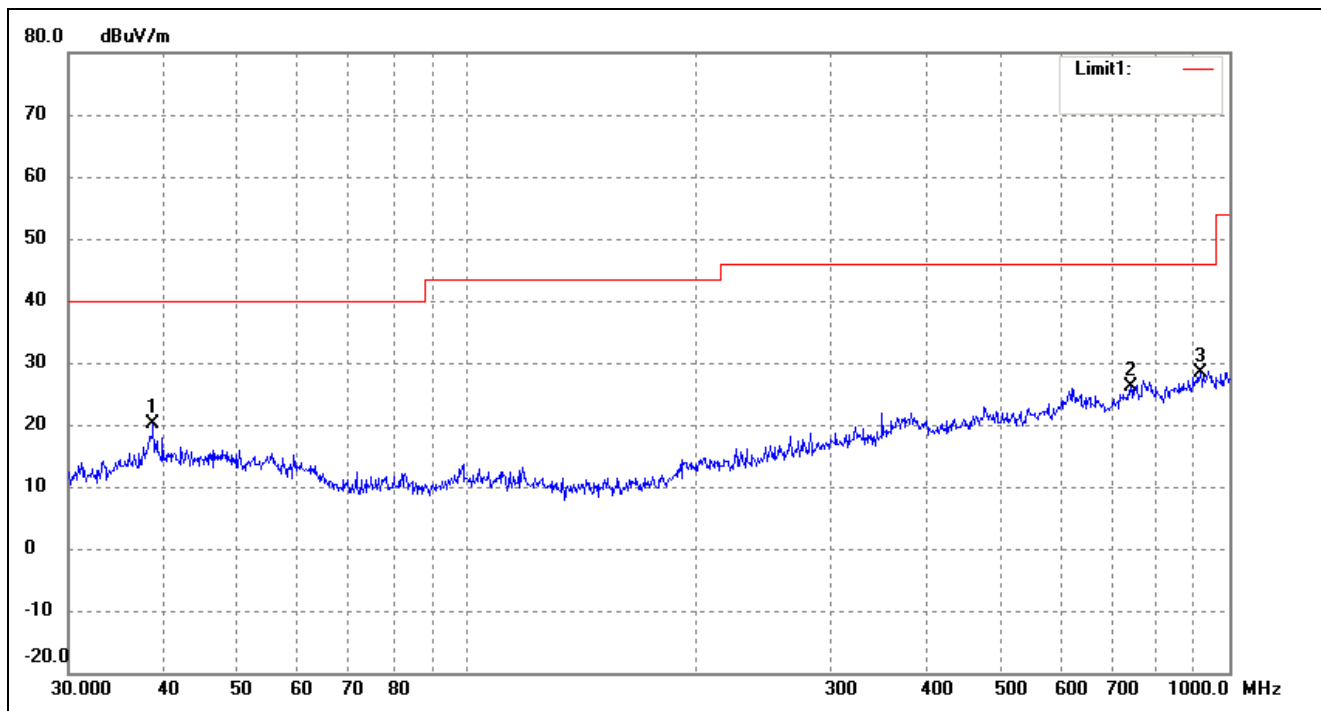
Test mode: Transmitting Channel 5600MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	42.1542	25.36	-7.81	17.55	40.00	-22.45	177	100	peak
2	104.9033	24.21	-11.03	13.18	43.50	-30.32	236	100	peak
3	929.0082	24.45	3.94	28.39	46.00	-17.61	179	100	peak

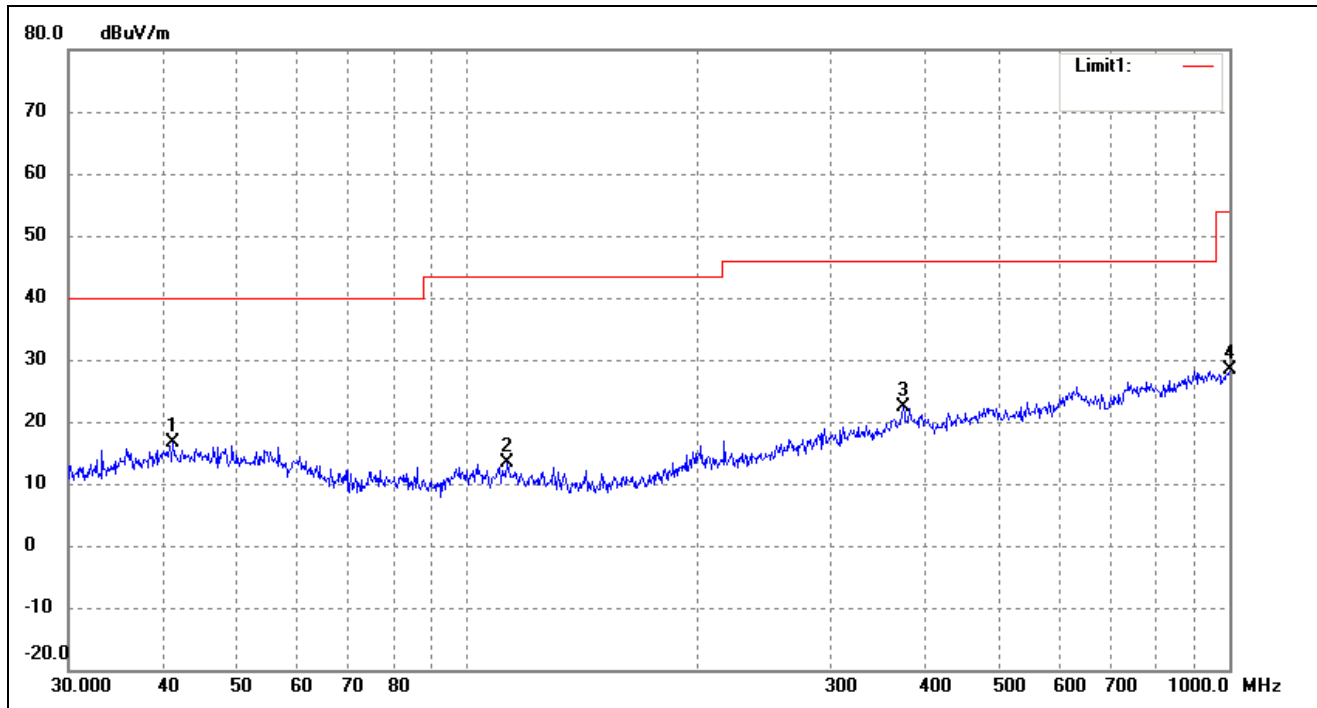
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.7518	28.08	-8.01	20.07	40.00	-19.93	125	100	peak
2	742.2587	24.13	2.09	26.22	46.00	-19.78	154	100	peak
3	916.0687	24.80	3.56	28.36	46.00	-17.64	193	100	peak

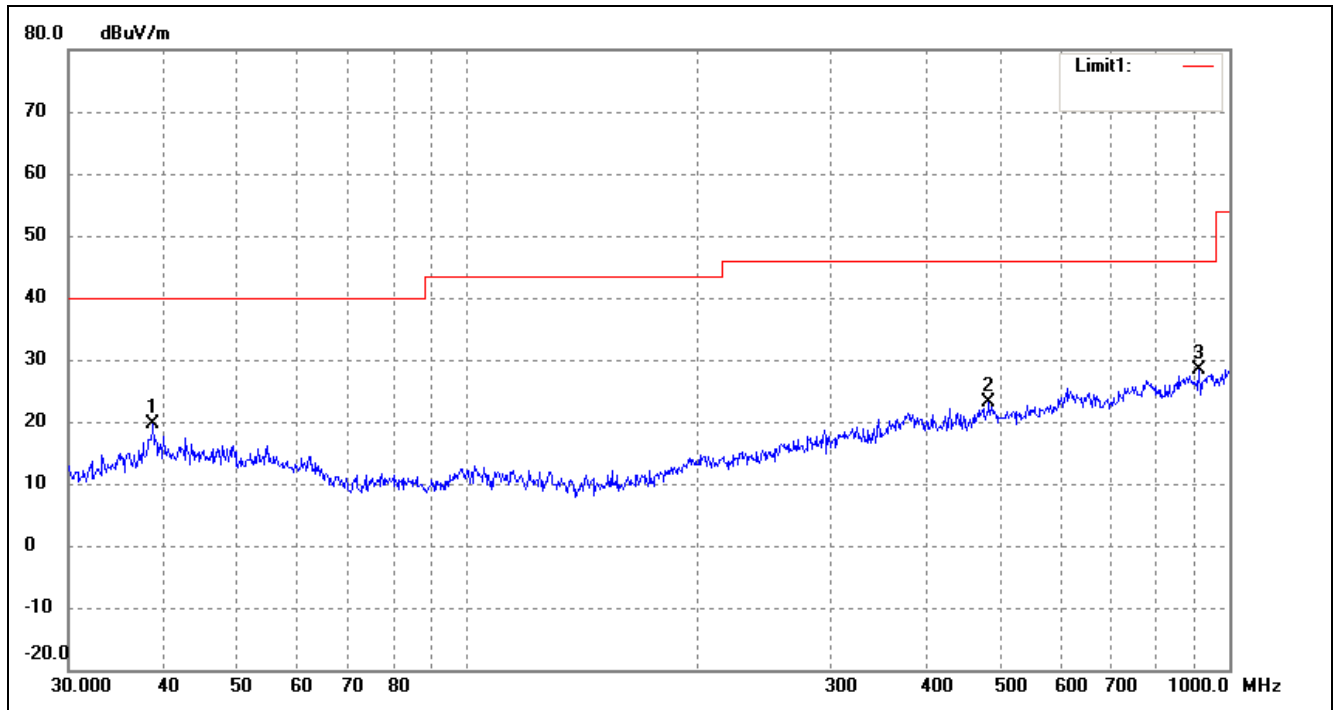
Test mode: Transmitting Channel 5700MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.1320	24.48	-7.74	16.74	40.00	-23.26	256	100	peak
2	112.9196	24.60	-11.24	13.36	43.50	-30.14	355	100	peak
3	373.3112	24.78	-2.47	22.31	46.00	-23.69	136	100	peak
4	1000.0000	23.66	4.80	28.46	54.00	-25.54	158	100	peak

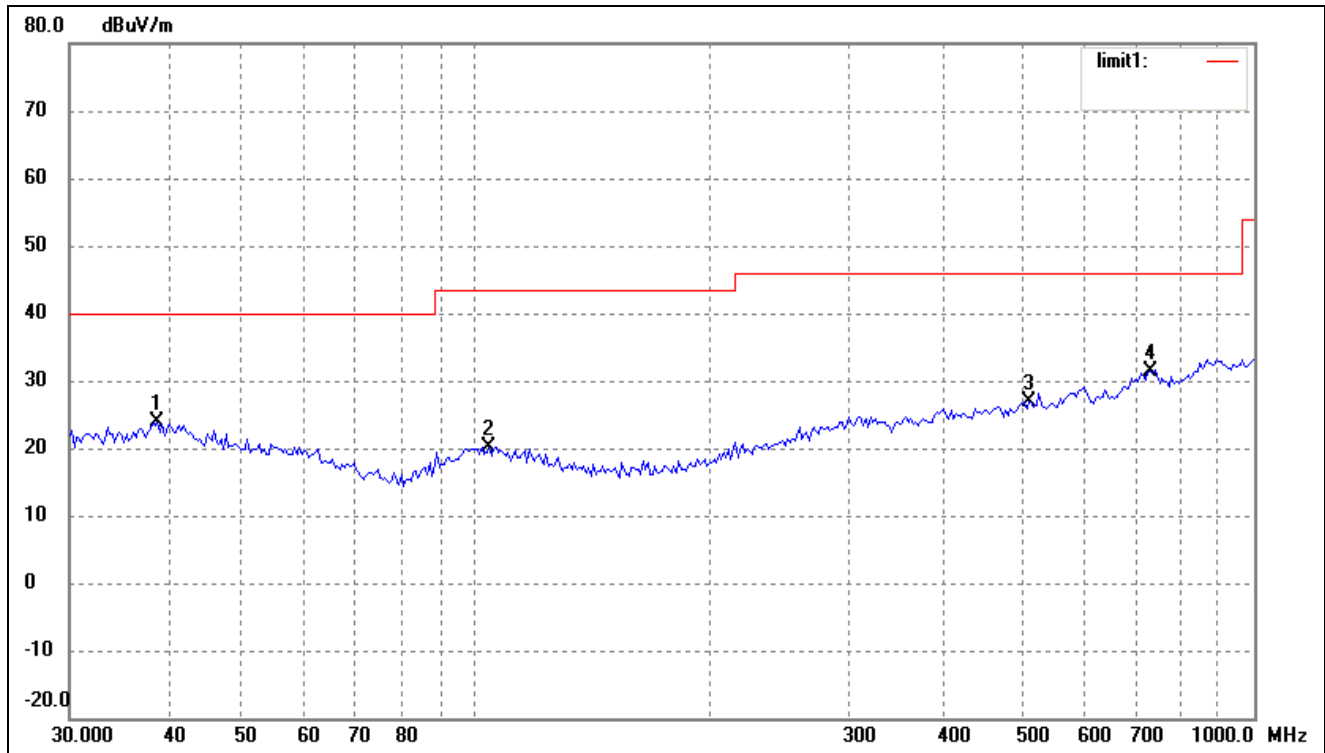
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.7518	27.59	-8.01	19.58	40.00	-20.42	188	100	peak
2	483.9094	24.38	-1.27	23.11	46.00	-22.89	235	100	peak
3	912.8620	24.83	3.49	28.32	46.00	-17.68	167	100	peak

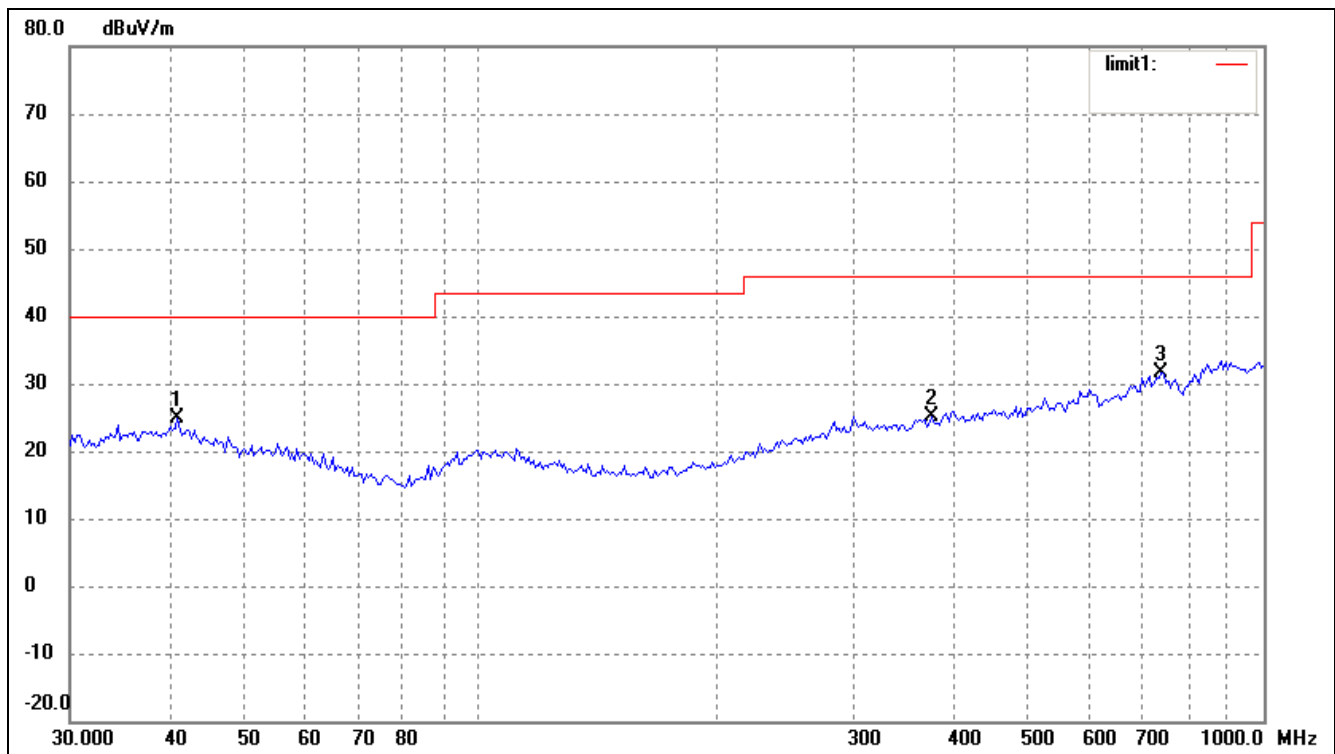
Test mode: Transmitting Channel 5745MHz

Horizontal



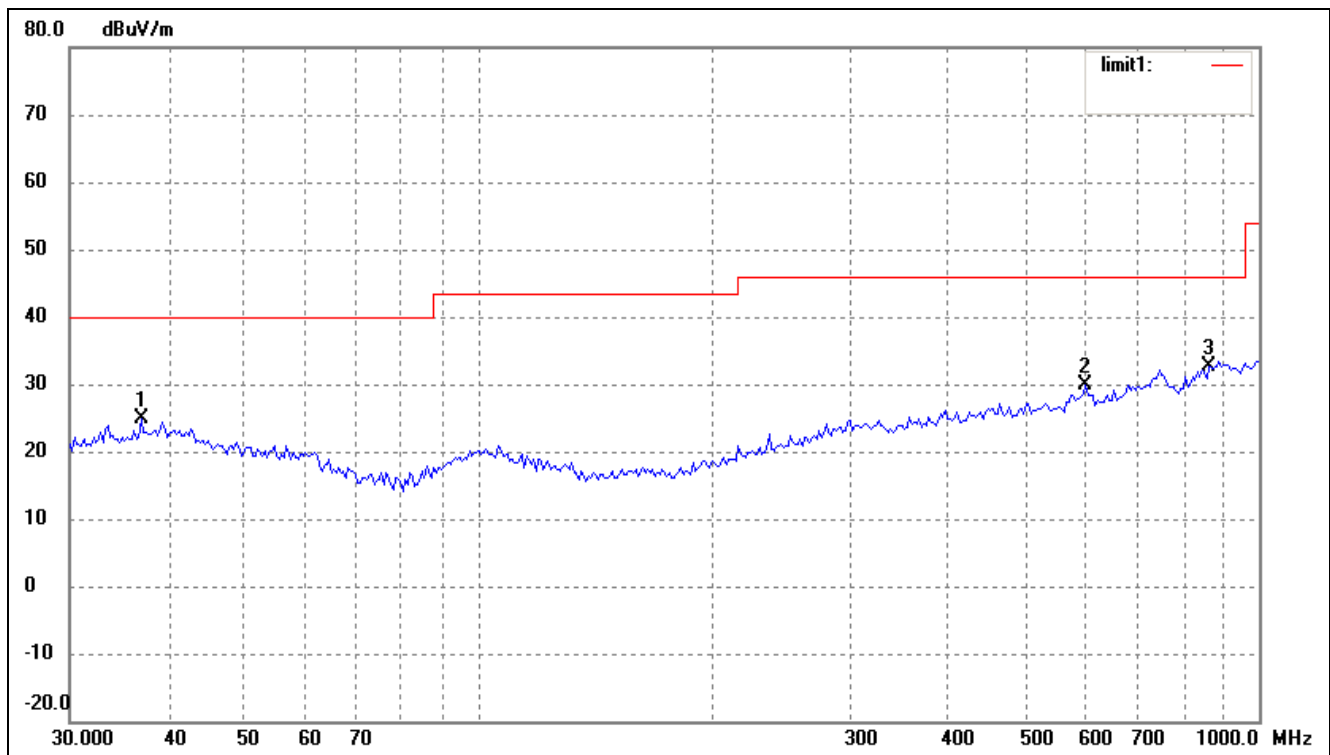
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.8879	14.75	9.06	23.81	40.00	-16.19	174	100	peak
2	103.8055	14.46	5.73	20.19	43.50	-23.31	90	100	peak
3	513.6331	15.58	11.21	26.79	46.00	-19.21	336	100	peak
4	734.4913	16.04	15.22	31.26	46.00	-14.74	360	100	peak

Test Specification: Vertical



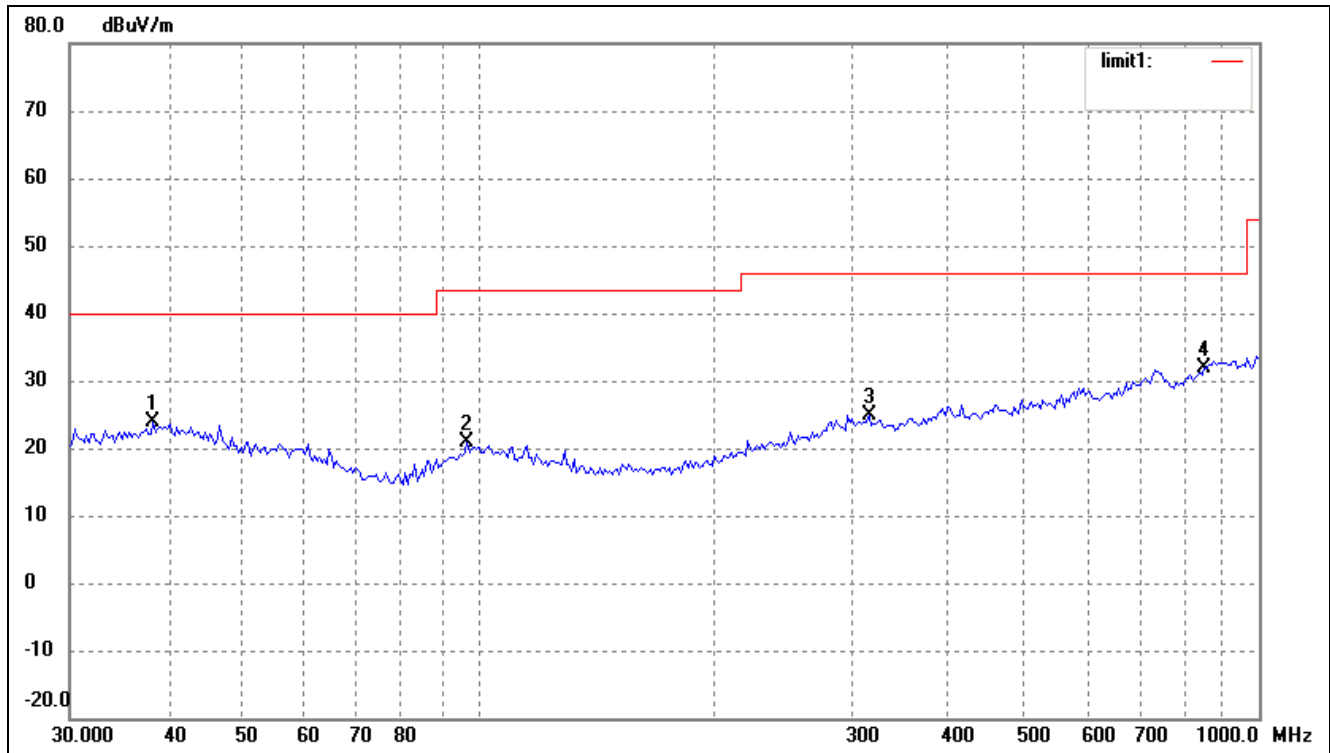
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	41.1320	15.91	8.91	24.82	40.00	-15.18	270	100	peak
2	377.2591	16.03	9.20	25.23	46.00	-20.77	164	100	peak
3	739.6605	16.06	15.53	31.59	46.00	-14.41	228	200	peak

Test mode: Transmitting Channel 5785MHz
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	37.0249	16.07	8.74	24.81	40.00	-15.19	360	100	peak
2	599.3213	16.46	13.30	29.76	46.00	-16.24	262	100	peak
3	863.0562	16.29	16.38	32.67	46.00	-13.33	270	100	peak

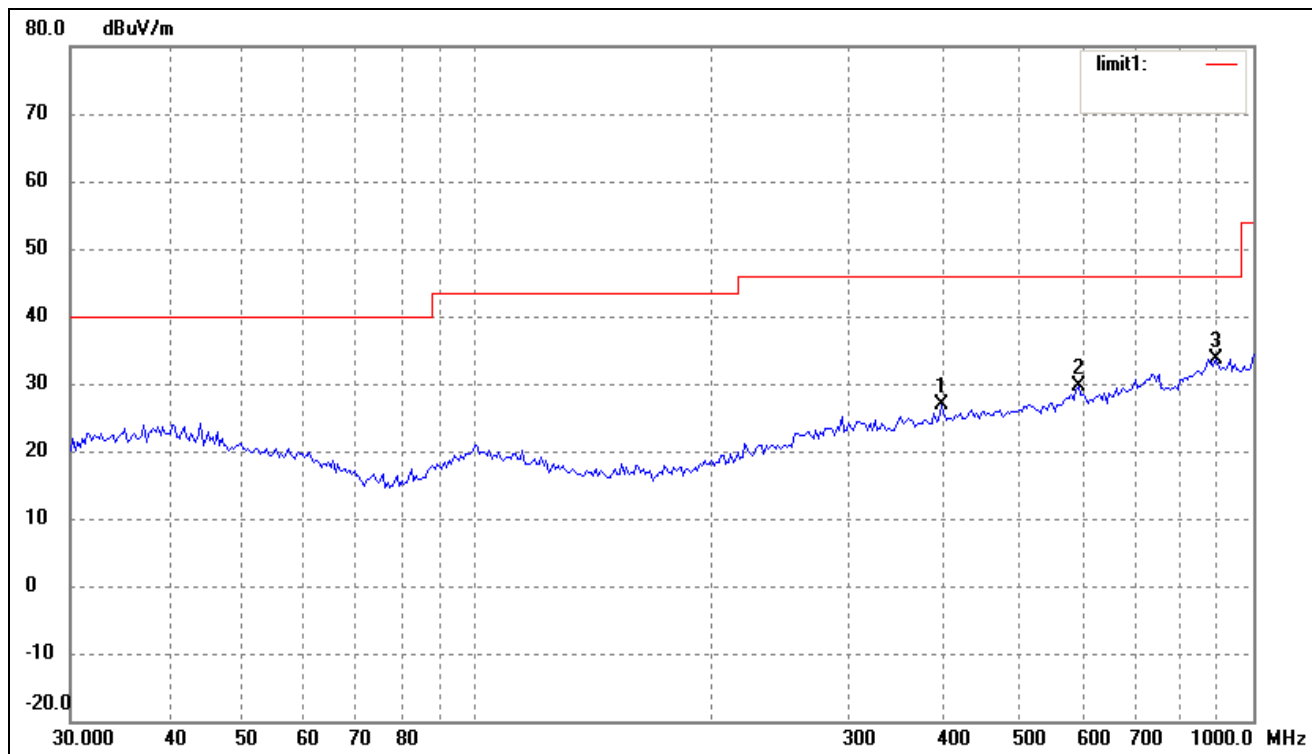
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.3462	14.80	8.97	23.77	40.00	-16.23	270	100	peak
2	96.7749	15.52	5.32	20.84	43.50	-22.66	51	200	peak
3	316.5890	15.66	9.28	24.94	46.00	-21.06	360	200	peak
4	851.0353	15.81	15.97	31.78	46.00	-14.22	360	100	peak

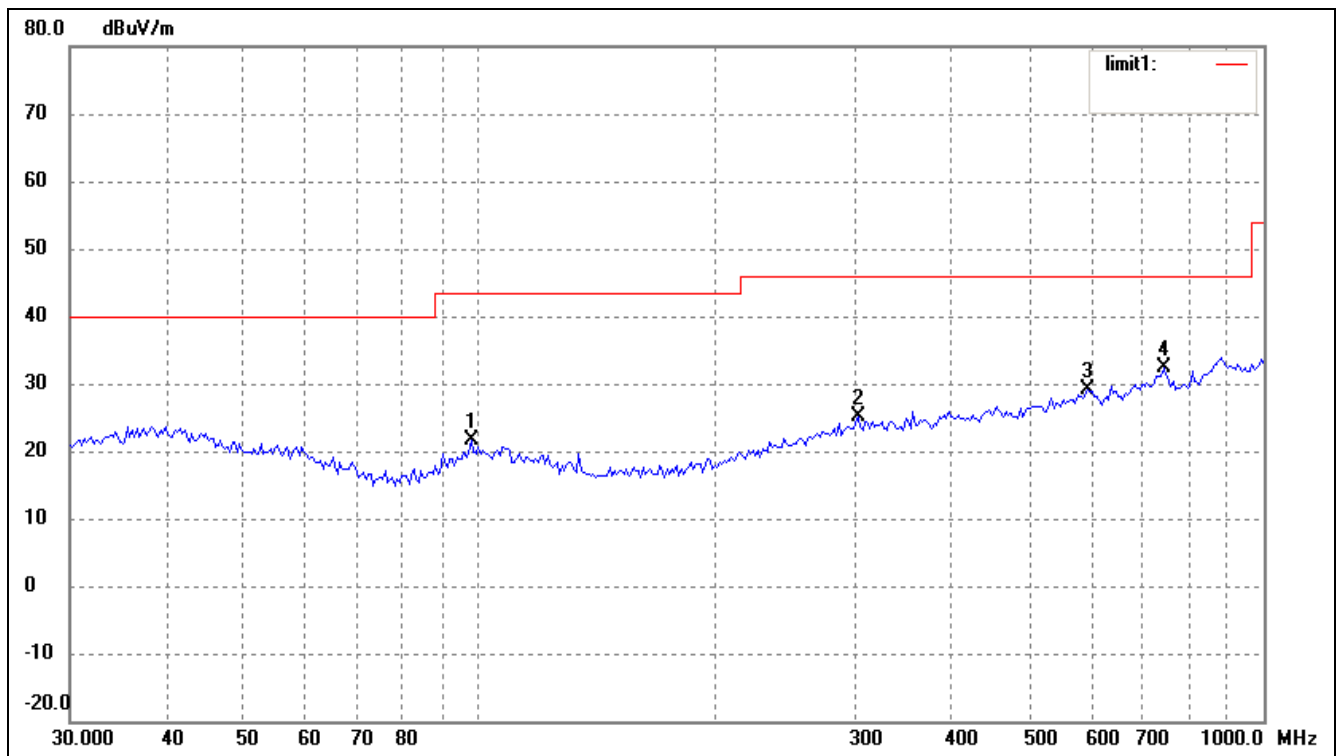
Test mode: Transmitting Channel 5805MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	396.2415	16.87	9.95	26.82	46.00	-19.18	360	100	peak
2	595.1329	16.45	13.14	29.59	46.00	-16.41	180	100	peak
3	893.8567	16.88	16.85	33.73	46.00	-12.27	225	100	peak

Test Specification: Vertical

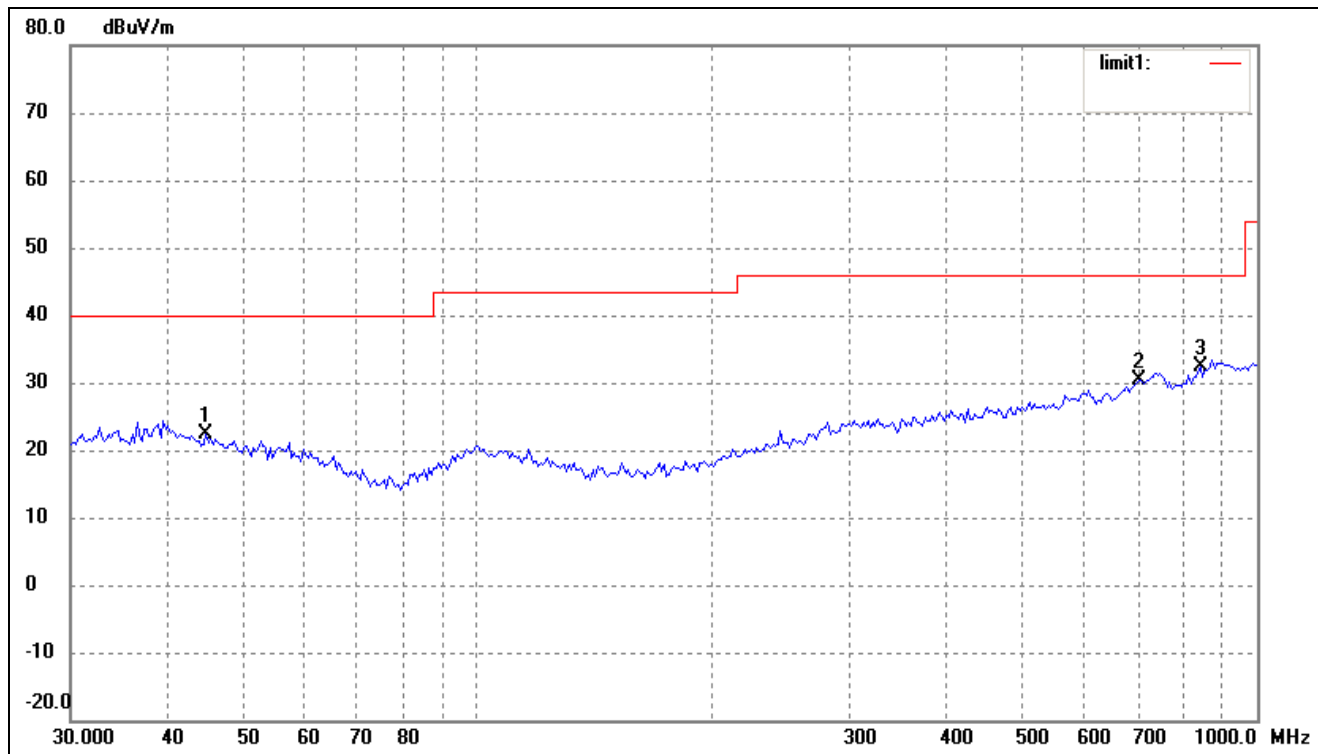


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	97.4560	16.14	5.49	21.63	43.50	-21.87	260	100	peak
2	303.5437	15.82	9.19	25.01	46.00	-20.99	131	200	peak
3	595.1329	15.93	13.14	29.07	46.00	-16.93	285	200	peak
4	744.8661	16.95	15.33	32.28	46.00	-13.72	224	100	peak

For 802.11n-HT20

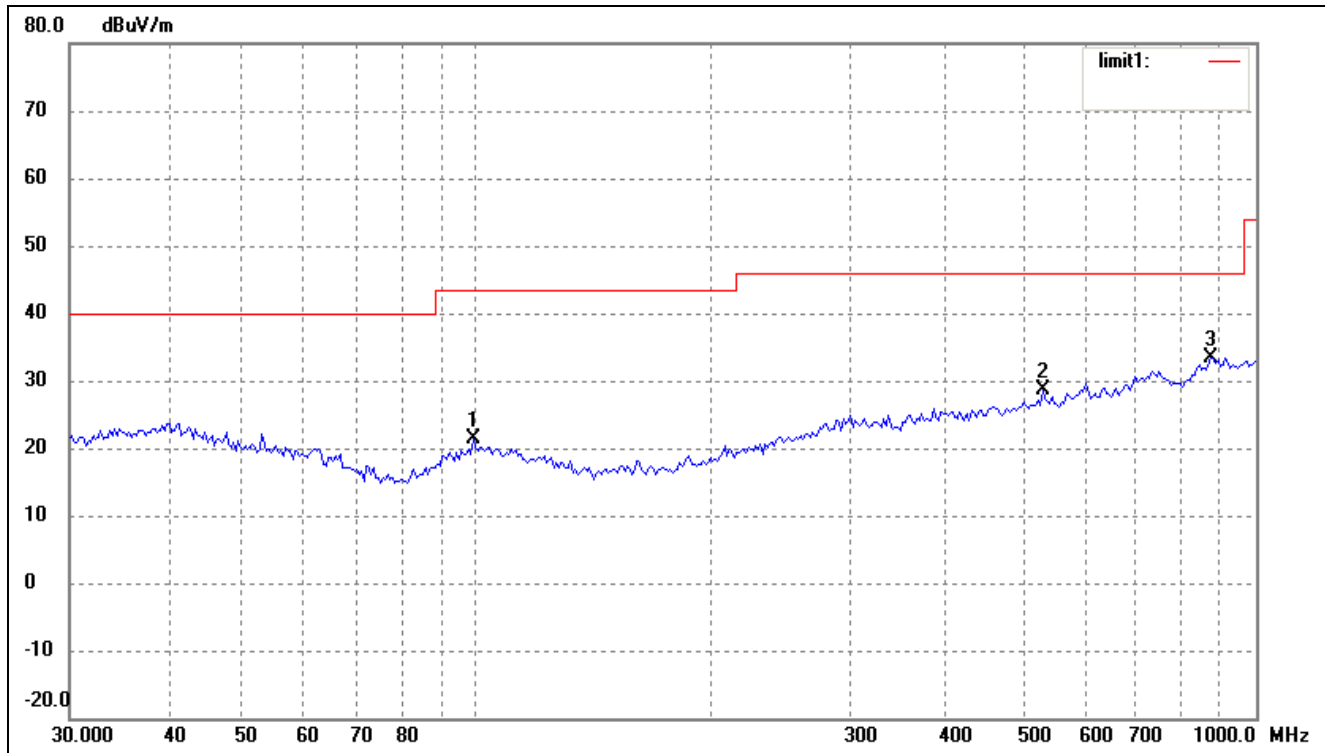
Test mode: Transmitting Channel 5180MHz

Horizontal



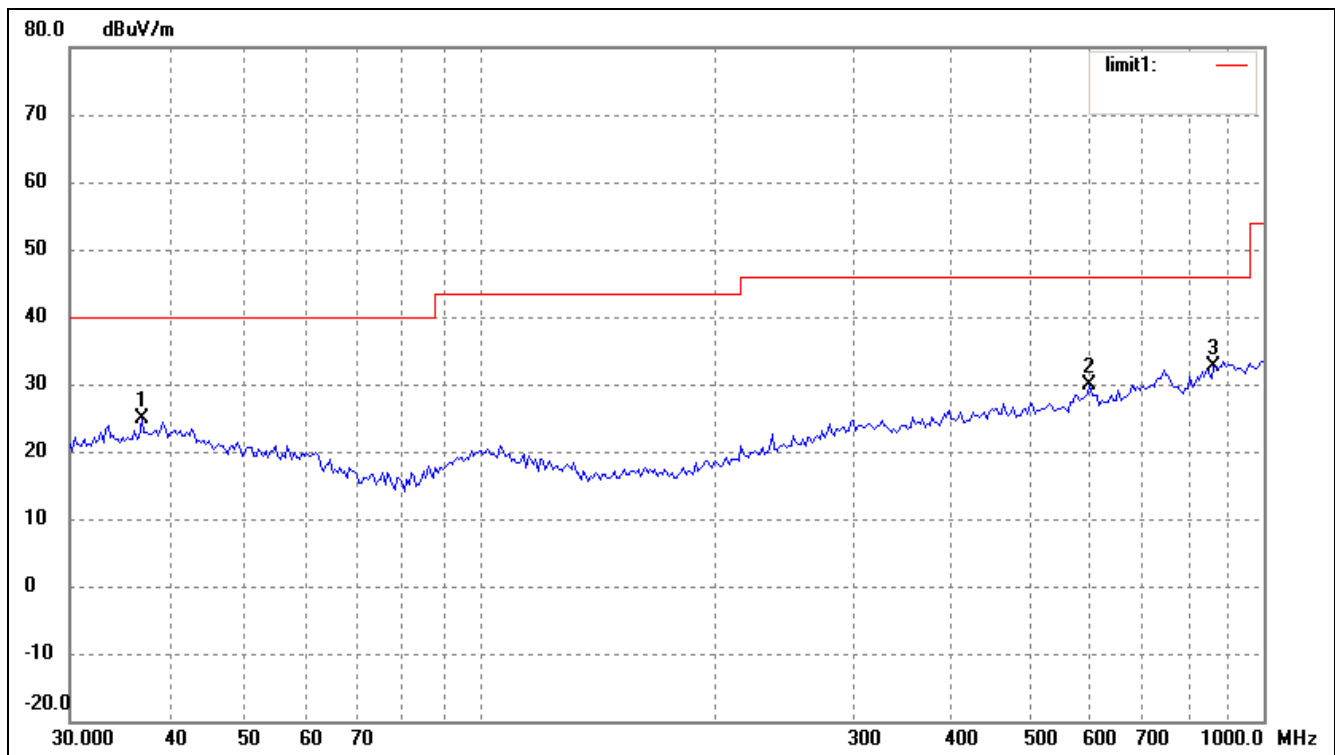
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	44.7434	14.58	7.84	22.42	40.00	-17.58	155	100	peak
2	704.2261	16.46	13.91	30.37	46.00	-15.63	197	100	peak
3	845.0878	16.51	15.75	32.26	46.00	-13.74	310	100	peak

Test Specification: Vertical



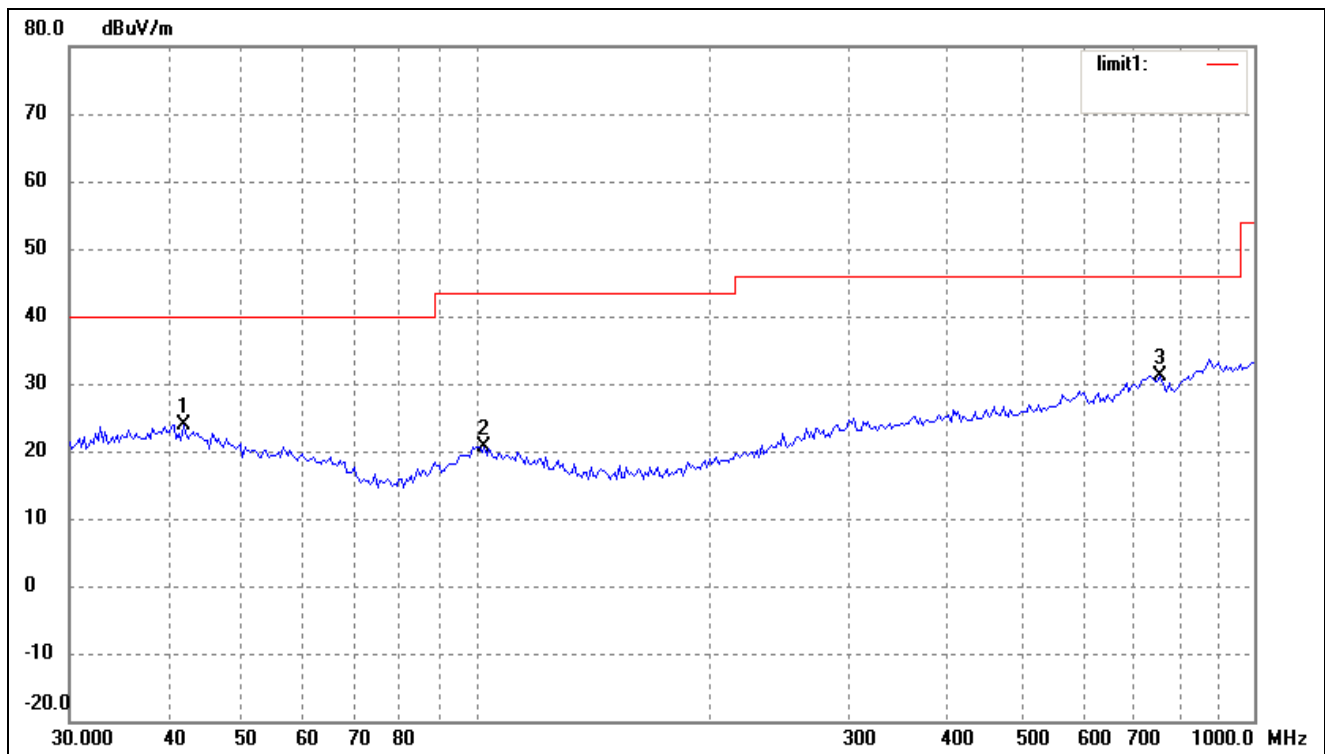
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	98.8326	15.53	5.84	21.37	43.50	-22.13	274	100	peak
2	531.9635	17.31	11.32	28.63	46.00	-17.37	116	100	peak
3	875.2470	16.71	16.70	33.41	46.00	-12.59	82	100	peak

Test mode: Transmitting Channel 5200MHz
Horizontal



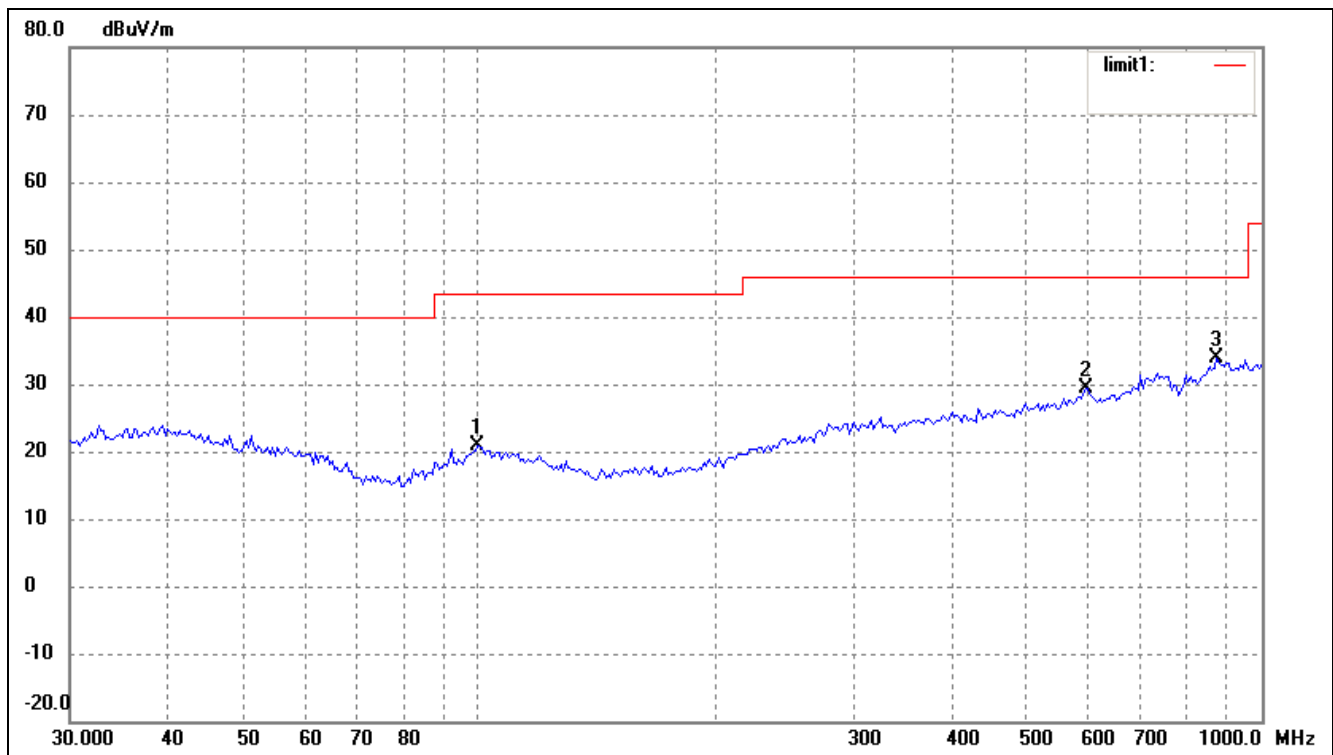
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	37.0249	16.07	8.74	24.81	40.00	-15.19	264	100	peak
2	599.3213	16.46	13.30	29.76	46.00	-16.24	110	100	peak
3	863.0562	16.29	16.38	32.67	46.00	-13.33	136	100	peak

Test Specification: Vertical



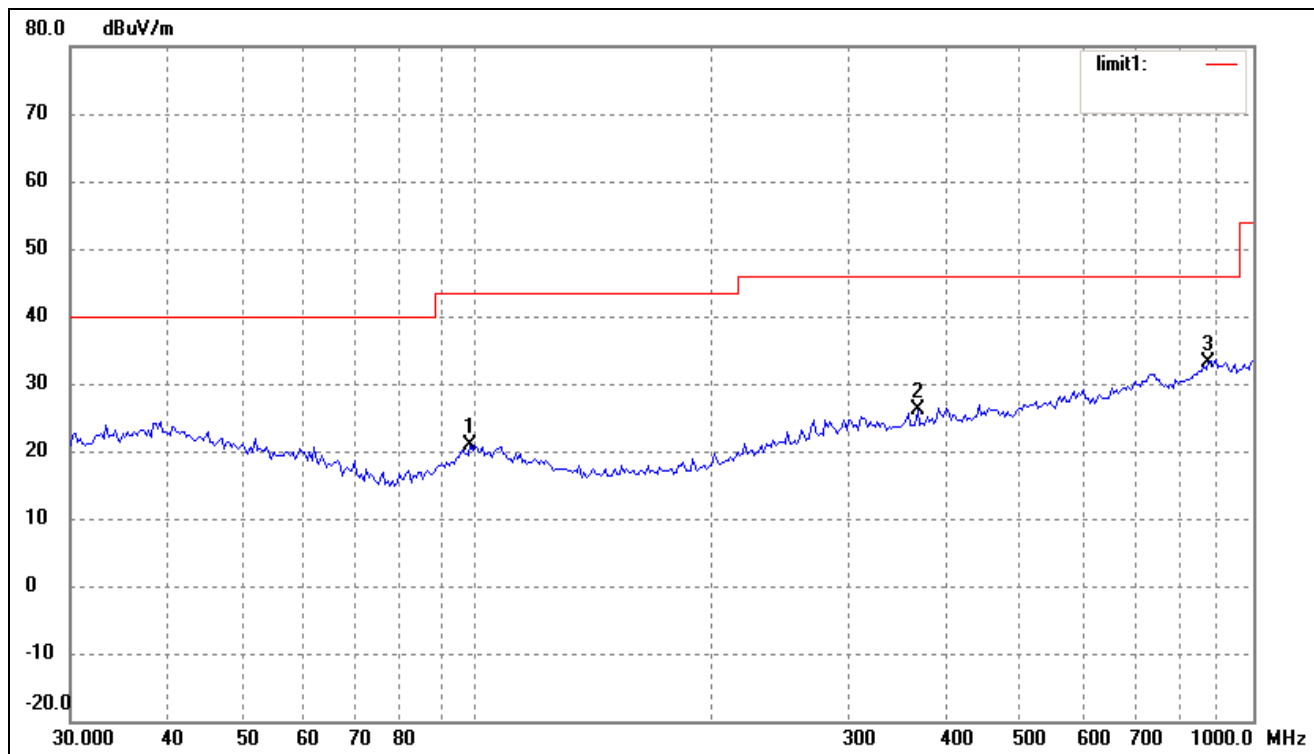
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.0066	15.29	8.65	23.94	40.00	-16.06	360	100	peak
2	102.3597	14.80	5.88	20.68	43.50	-22.82	112	100	peak
3	755.3873	16.28	14.86	31.14	46.00	-14.86	180	200	peak

Test mode: Transmitting Channel 5240MHz
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	99.5281	14.85	6.01	20.86	43.50	-22.64	267	100	peak
2	595.1329	16.28	13.14	29.42	46.00	-16.58	116	100	peak
3	875.2470	17.12	16.70	33.82	46.00	-12.18	360	100	peak

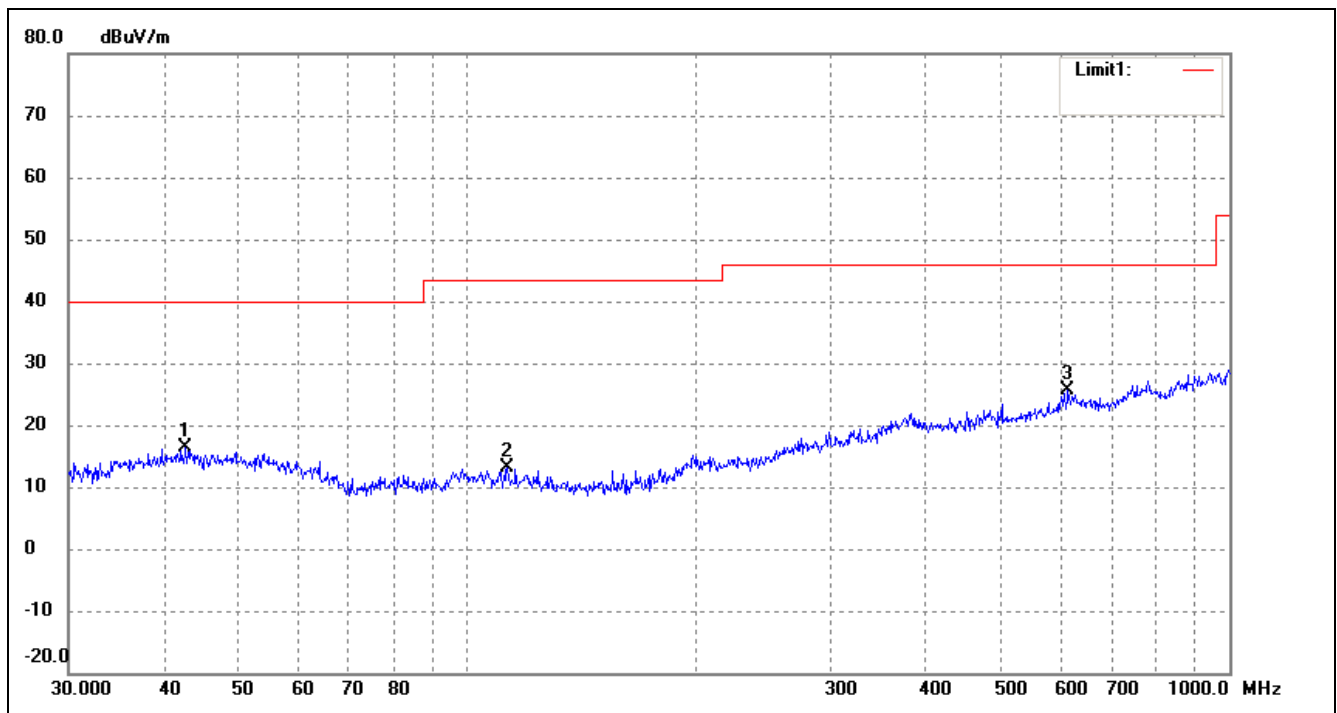
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	98.1419	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

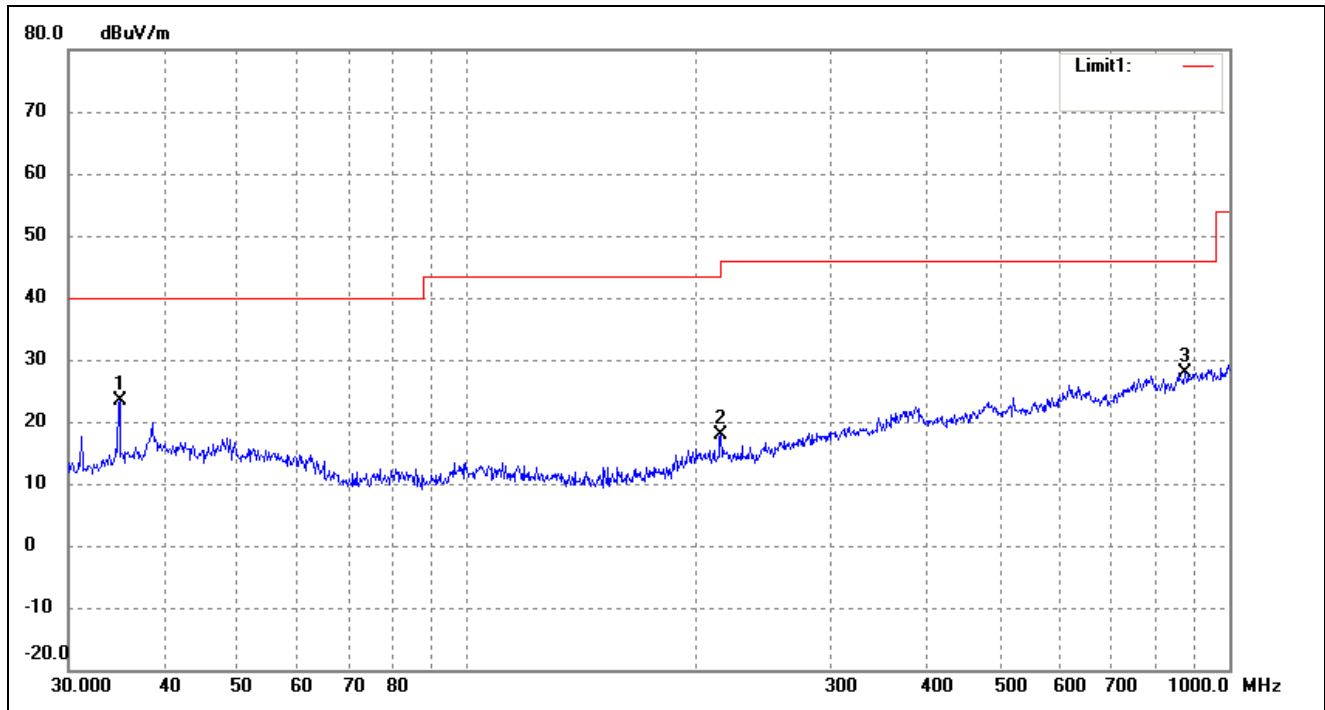
Test mode: Transmitting Channel 5260MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	42.7496	24.18	-7.84	16.34	40.00	-23.66	196	100	peak
2	112.9196	24.38	-11.24	13.14	43.50	-30.36	183	100	peak
3	614.2142	24.78	0.83	25.61	46.00	-20.39	121	100	peak

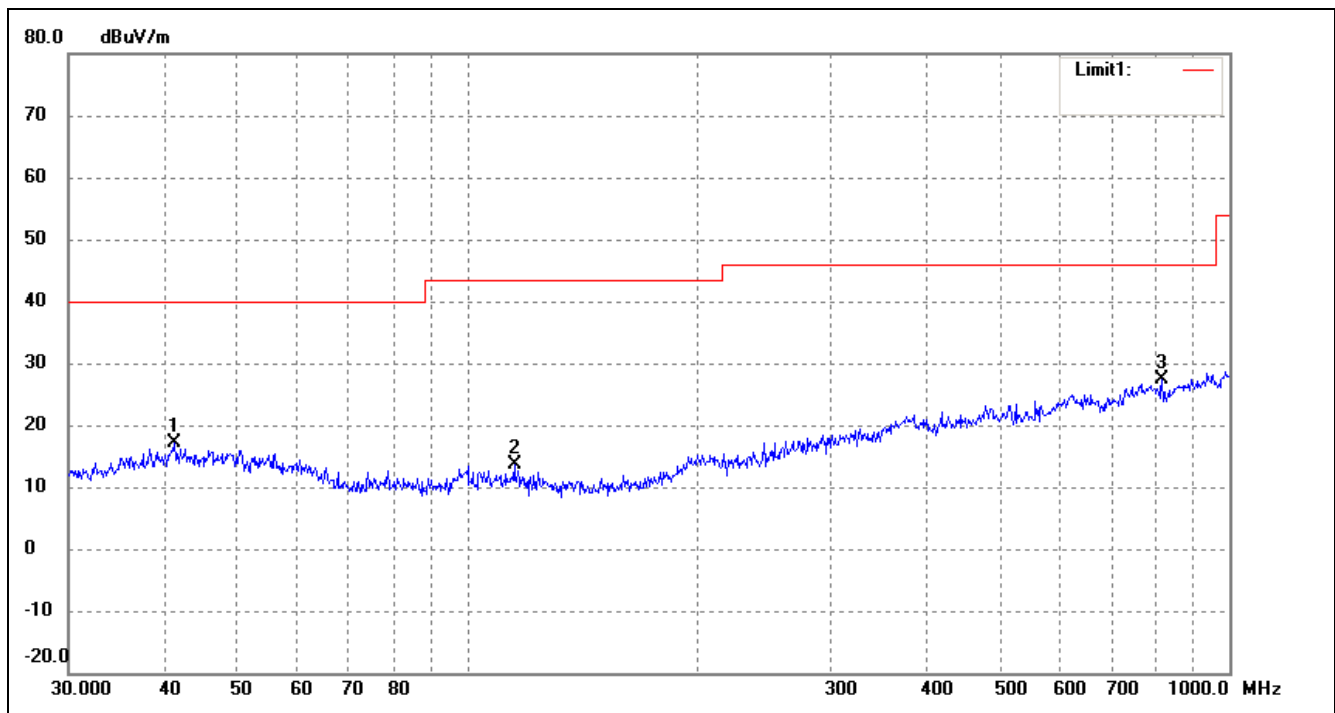
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.0048	32.52	-9.04	23.48	40.00	-16.52	341	100	peak
2	215.2678	26.61	-8.79	17.82	43.50	-25.68	155	100	peak
3	875.2470	24.84	3.09	27.93	46.00	-18.07	127	200	peak

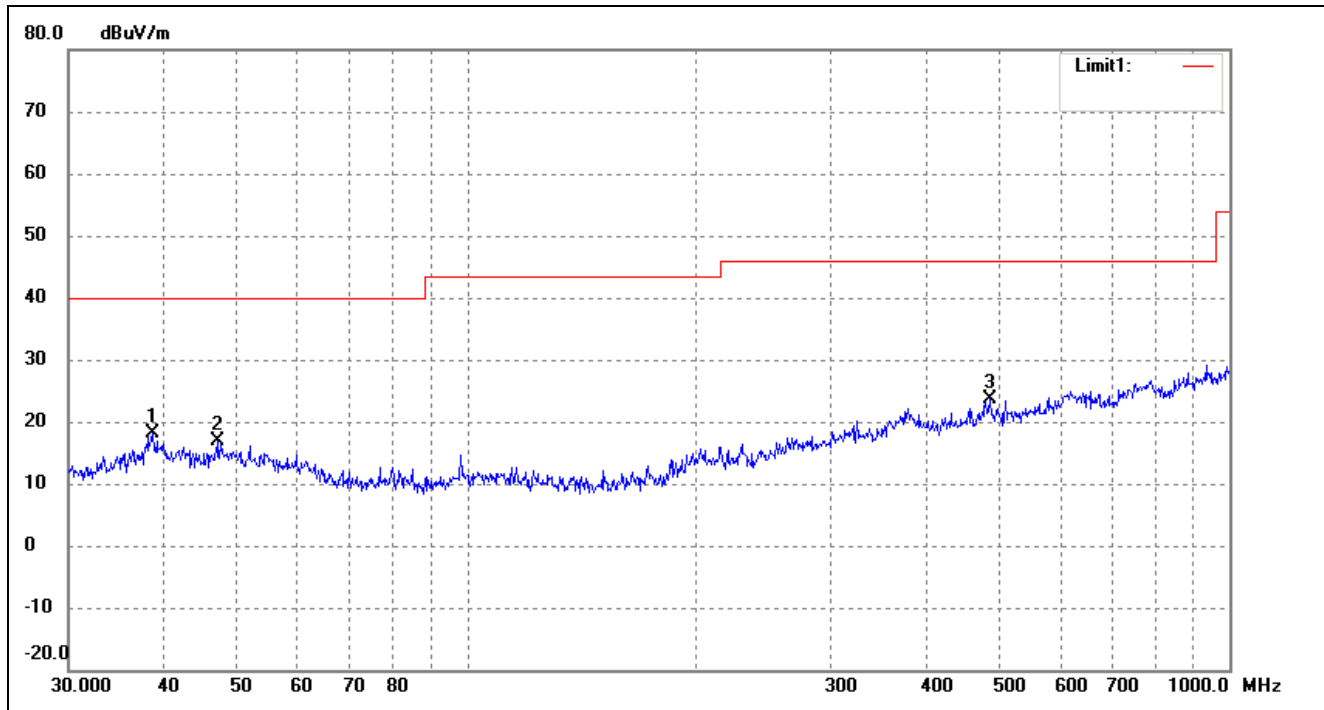
Test mode: Transmitting Channel 5300MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	41.2765	24.77	-7.75	17.02	40.00	-22.98	214	100	peak
2	115.3205	24.84	-11.31	13.53	43.50	-29.97	137	100	peak
3	815.9678	25.82	1.59	27.41	46.00	-18.59	116	100	peak

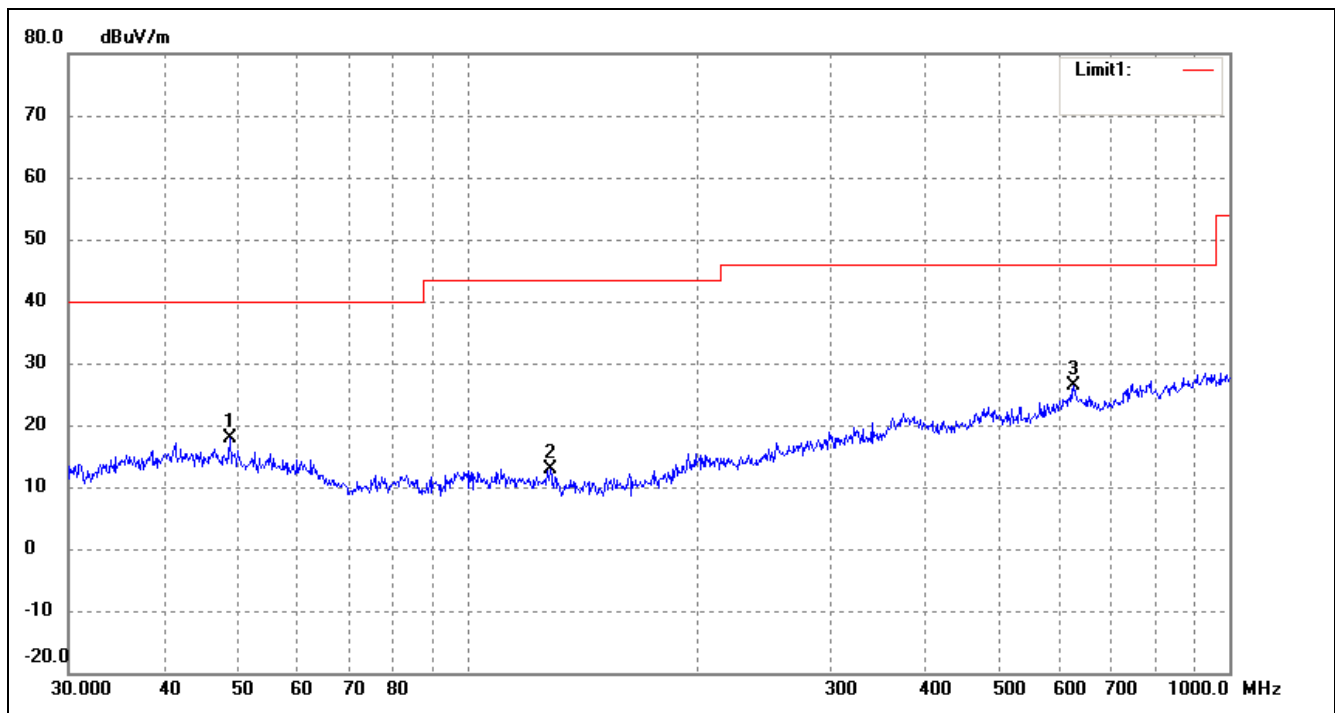
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.7518	26.15	-8.00	18.15	40.00	-21.85	114	100	peak
2	47.1599	25.04	-8.14	16.90	40.00	-23.10	157	100	peak
3	485.6093	24.89	-1.36	23.53	46.00	-22.47	128	200	peak

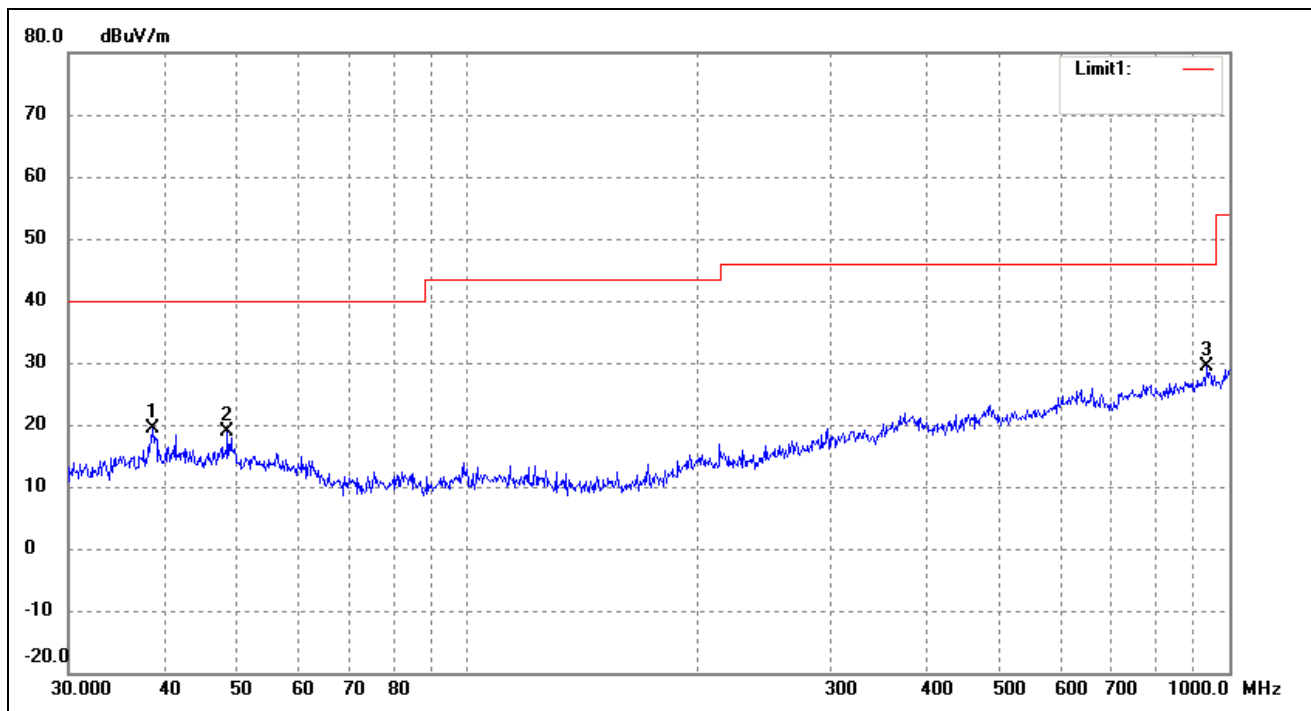
Test mode: Transmitting Channel 5320MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	48.8429	26.01	-8.25	17.76	40.00	-22.24	169	100	peak
2	128.5630	24.80	-11.92	12.88	43.50	-30.62	154	100	peak
3	625.0780	25.29	1.11	26.40	46.00	-19.60	163	100	peak

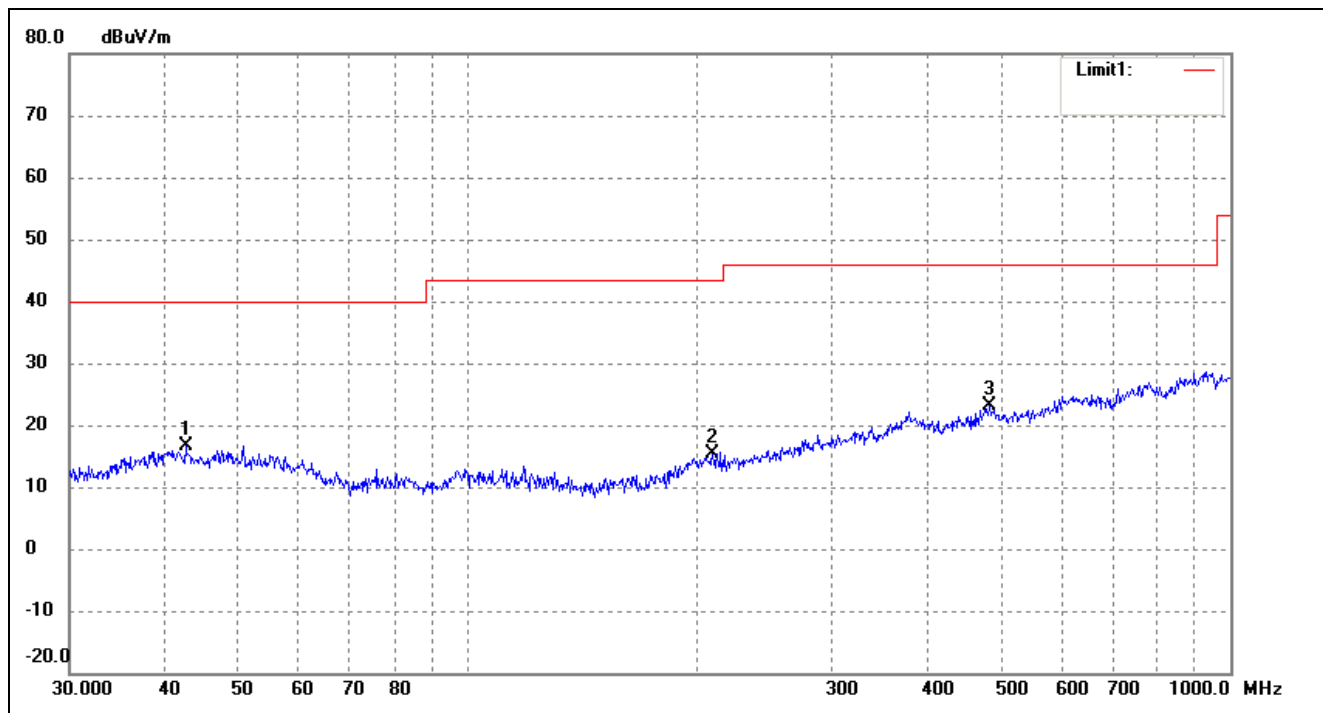
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.7518	27.30	-8.01	19.29	40.00	-20.71	139	100	peak
2	48.5016	27.13	-8.22	18.91	40.00	-21.09	157	100	peak
3	935.5463	25.23	4.13	29.36	46.00	-16.64	124	200	peak

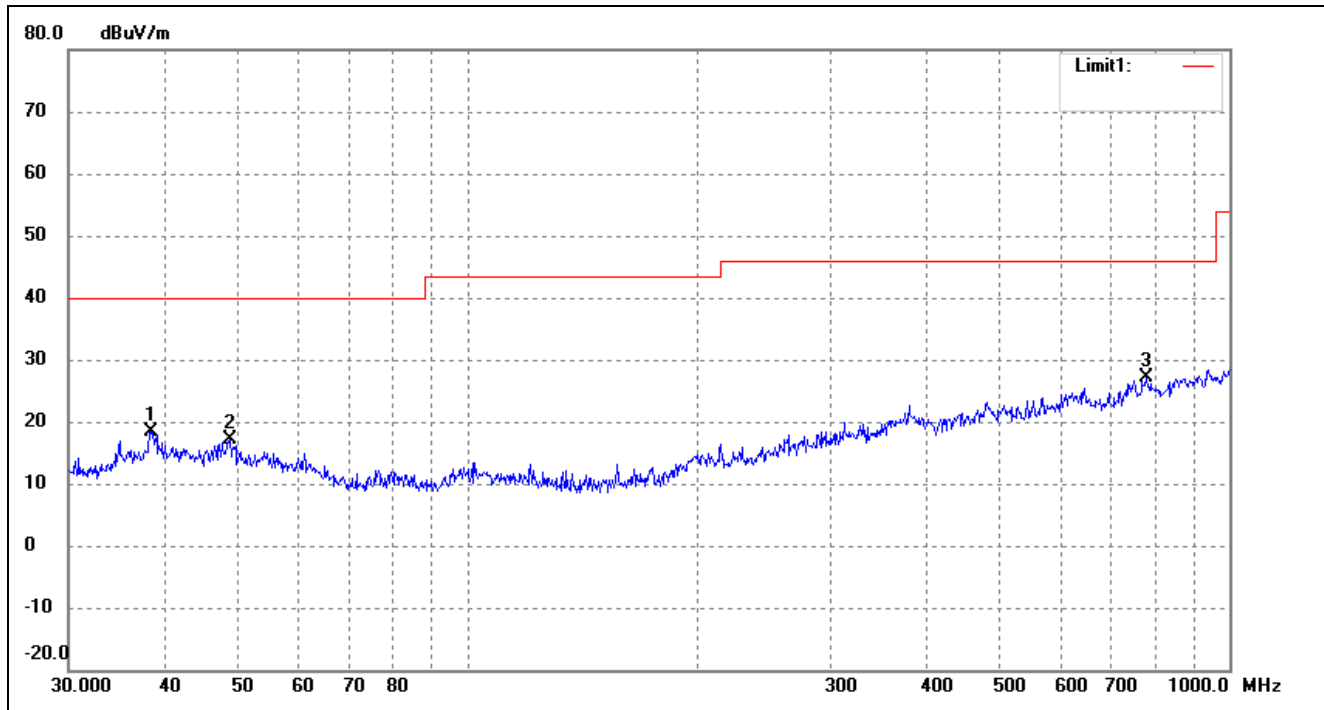
Test mode: Transmitting Channel 5500MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	42.6000	24.47	-7.84	16.63	40.00	-23.37	247	100	peak
2	209.3129	24.12	-8.74	15.38	43.50	-28.12	131	100	peak
3	483.9094	24.37	-1.27	23.10	46.00	-22.90	59	100	peak

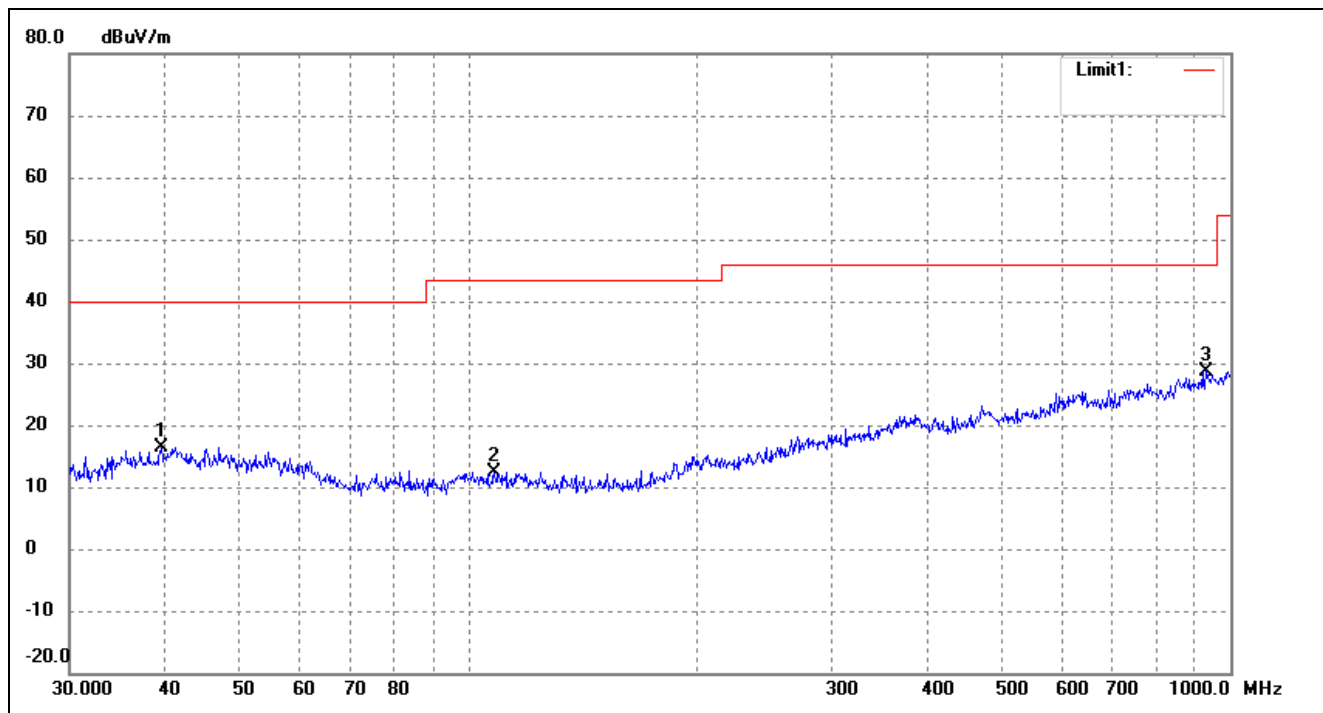
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.4809	26.53	-8.08	18.45	40.00	-21.55	88	100	peak
2	48.8429	25.26	-8.25	17.01	40.00	-22.99	157	100	peak
3	776.8778	24.50	2.73	27.23	46.00	-18.77	236	200	peak

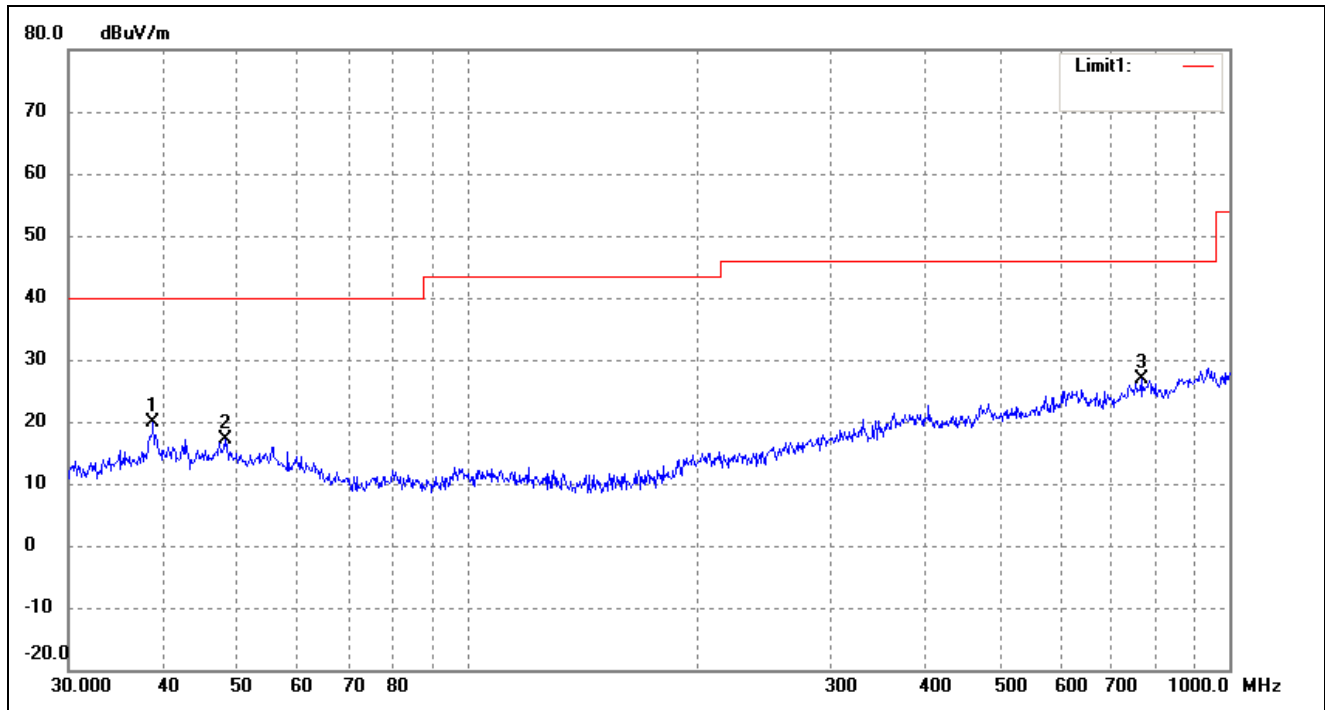
Test mode: Transmitting Channel 5600MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	39.5757	24.21	-7.78	16.43	40.00	-23.57	282	100	peak
2	108.2667	23.58	-11.11	12.47	43.50	-31.03	49	100	peak
3	929.0082	24.81	3.94	28.75	46.00	-17.25	90	100	peak

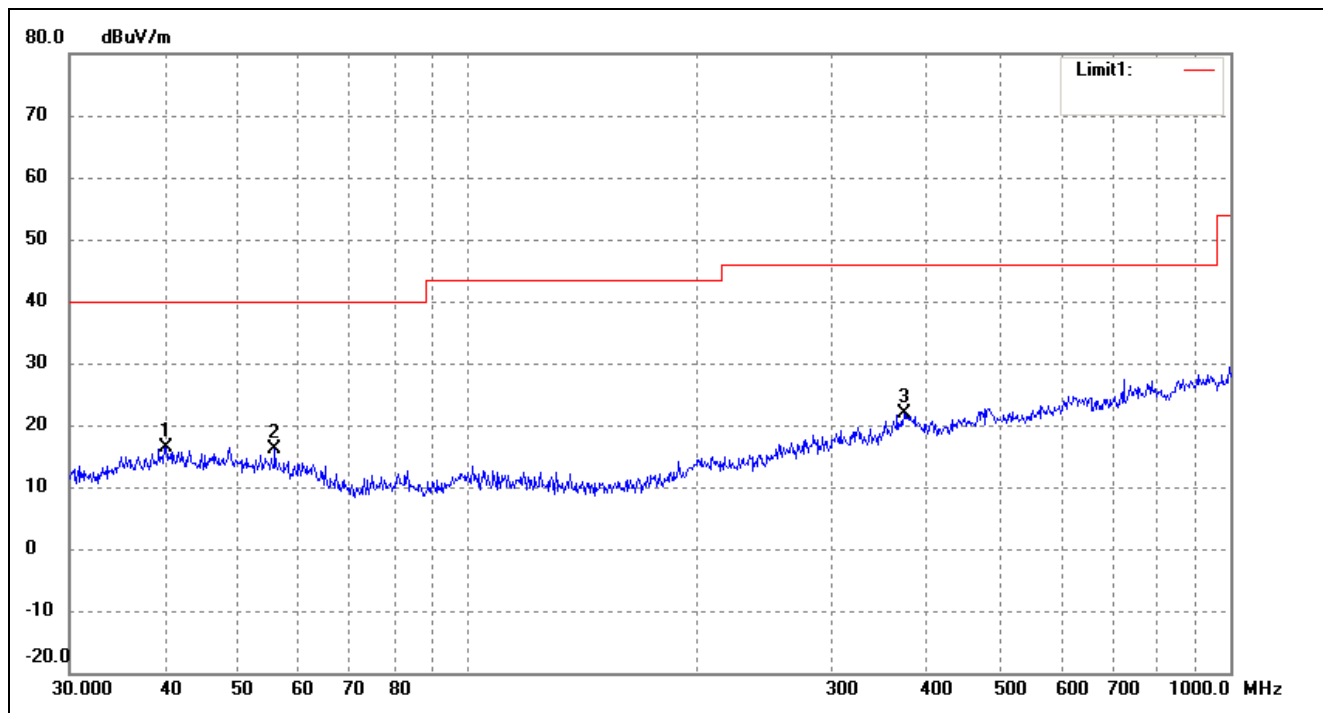
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.7518	27.89	-8.01	19.88	40.00	-20.12	274	100	peak
2	48.1626	25.36	-8.20	17.16	40.00	-22.84	137	100	peak
3	766.0571	24.68	2.13	26.81	46.00	-19.19	156	200	peak

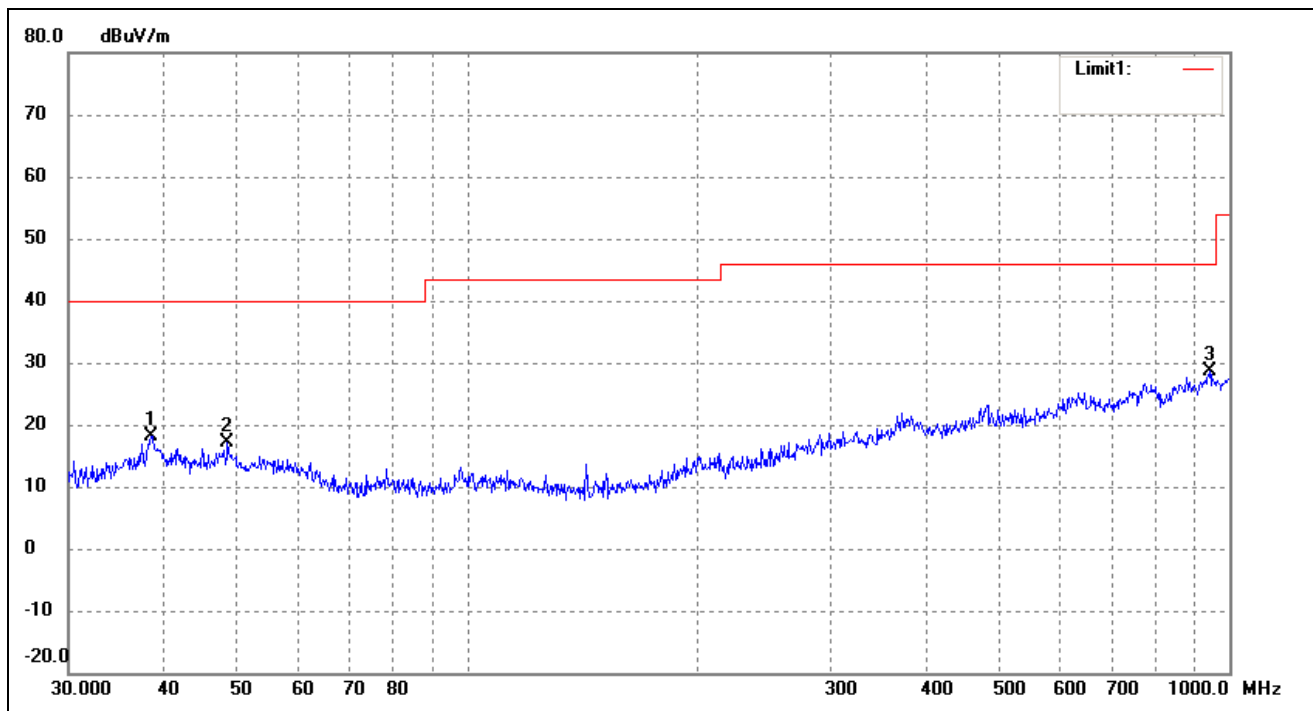
Test mode: Transmitting Channel 5700MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.1347	24.17	-7.68	16.49	40.00	-23.51	217	100	peak
2	55.8047	25.18	-9.05	16.13	40.00	-23.87	169	100	peak
3	373.3112	24.27	-2.47	21.80	46.00	-24.20	258	100	peak

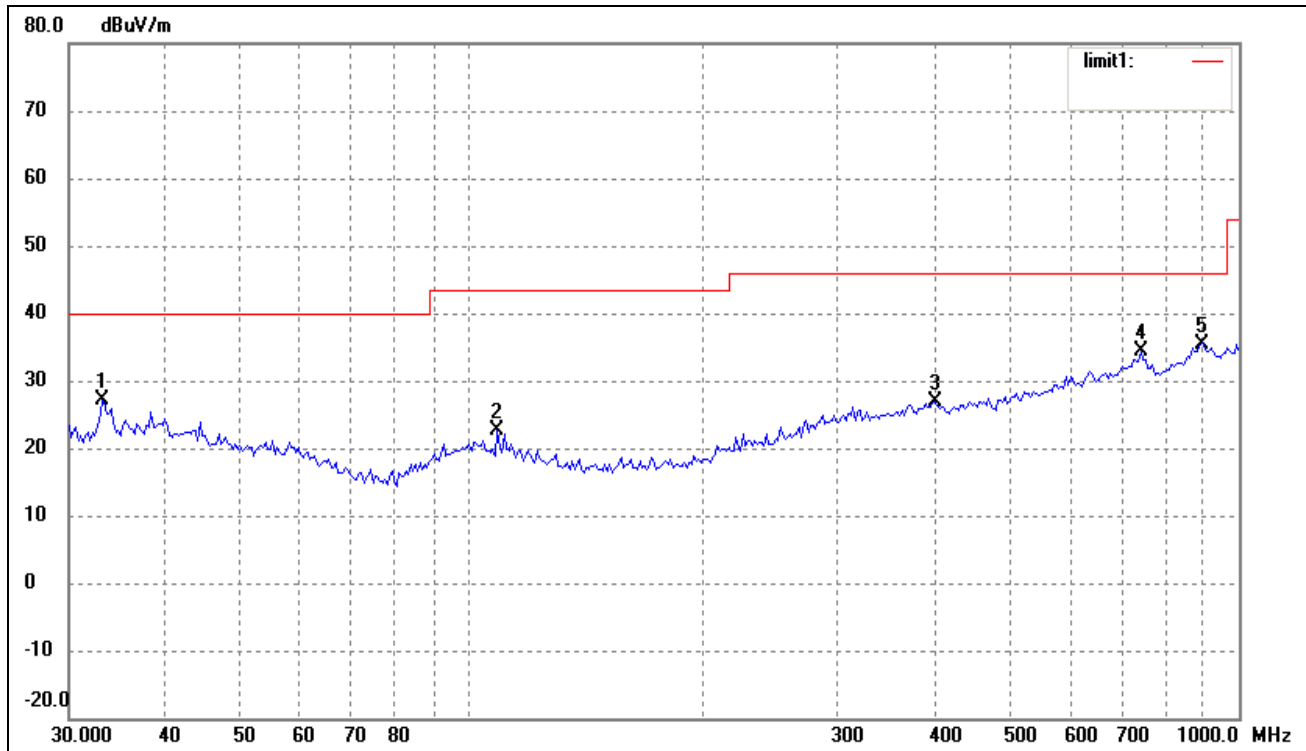
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.4809	26.24	-8.08	18.16	40.00	-21.84	139	100	peak
2	48.5016	25.24	-8.22	17.02	40.00	-22.98	167	100	peak
3	942.1305	24.33	4.19	28.52	46.00	-17.48	159	200	peak

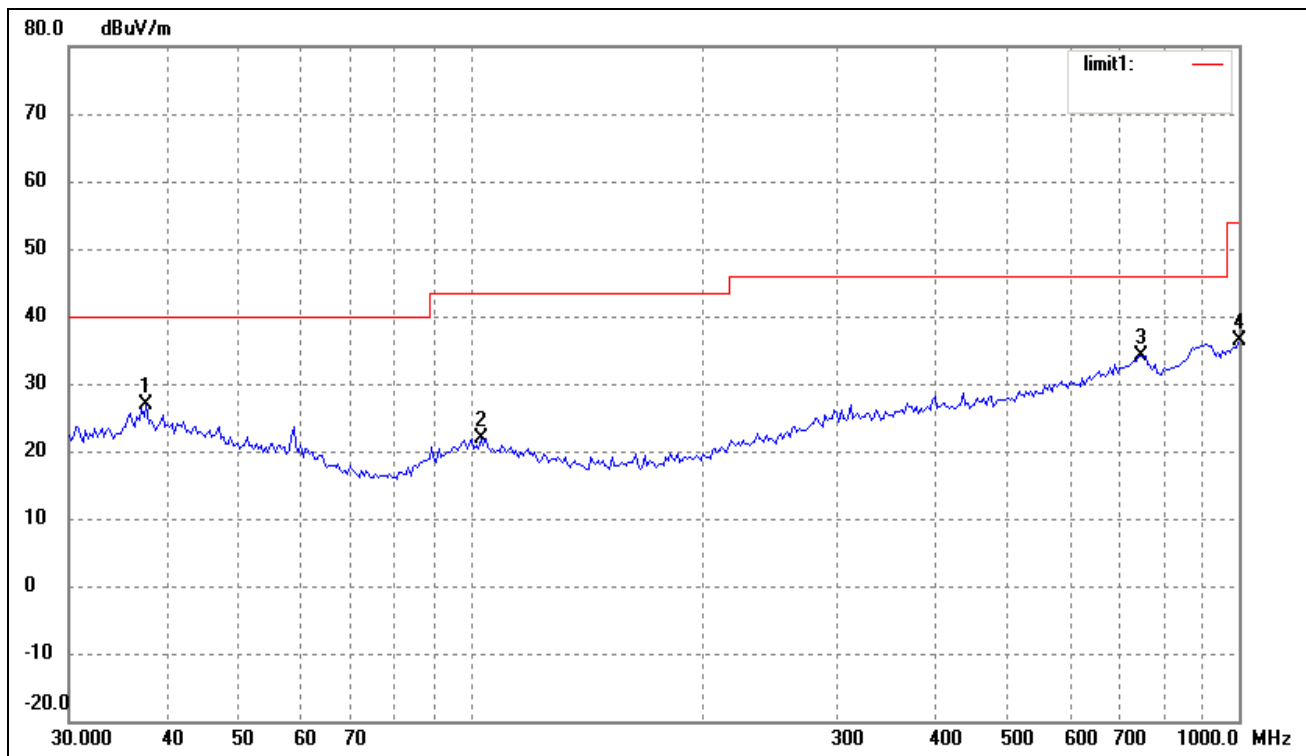
Test mode: Transmitting Channel 5745MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	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

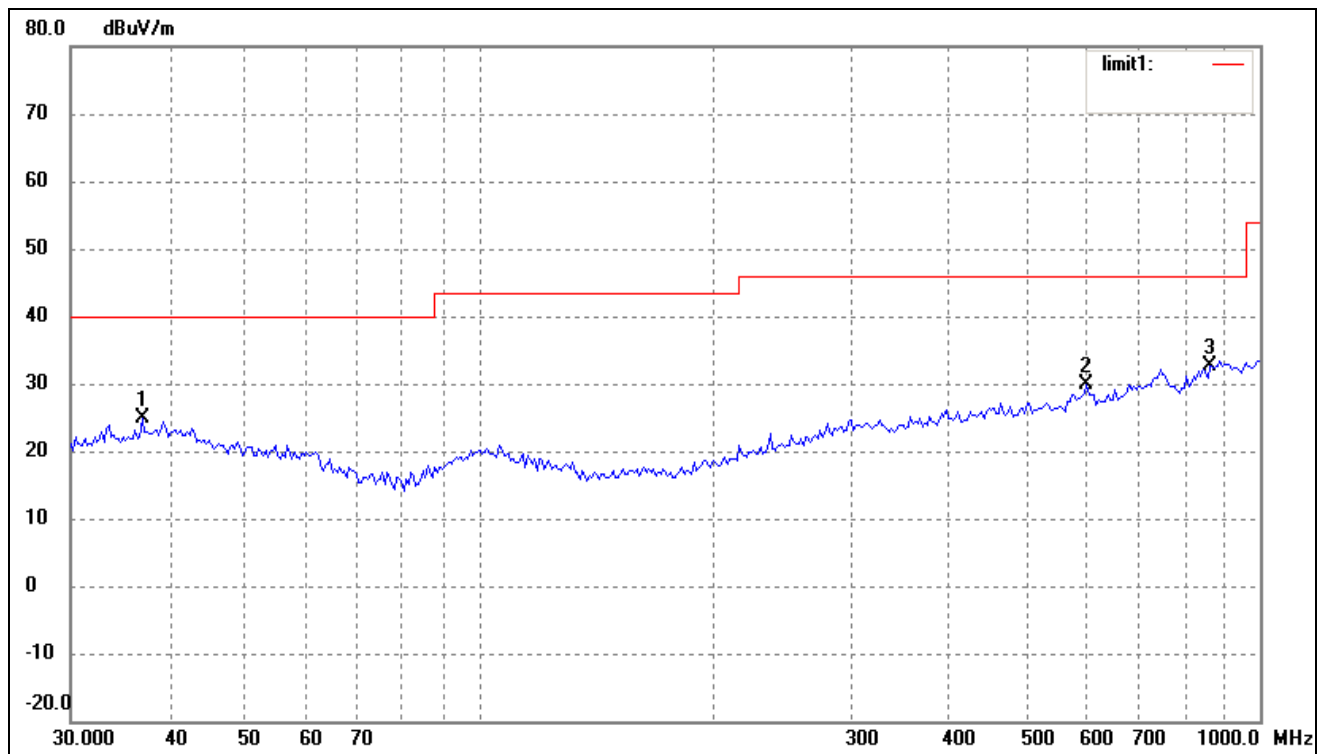
Test Specification: Vertical



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

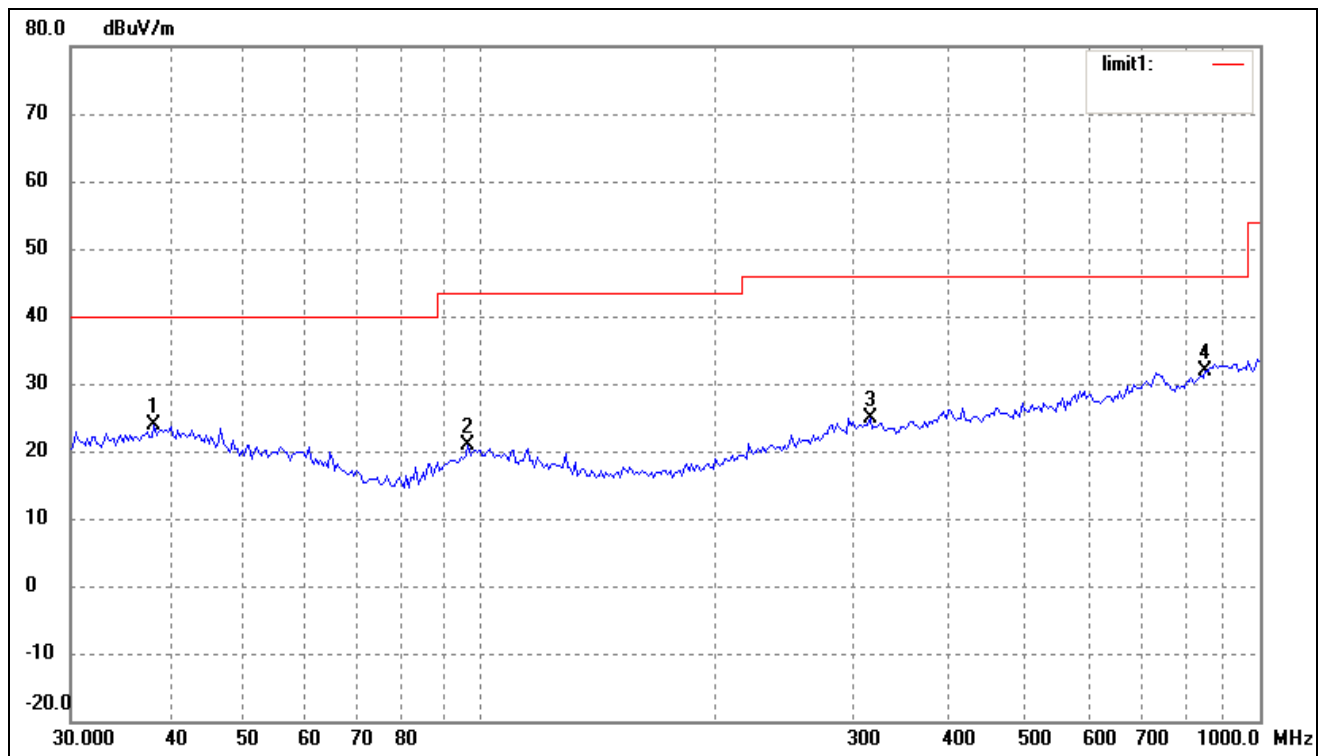
Test mode: Transmitting Channel 5785MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	37.0249	16.07	8.74	24.81	40.00	-15.19	360	100	peak
2	599.3213	16.46	13.30	29.76	46.00	-16.24	255	100	peak
3	863.0562	16.29	16.38	32.67	46.00	-13.33	270	100	peak

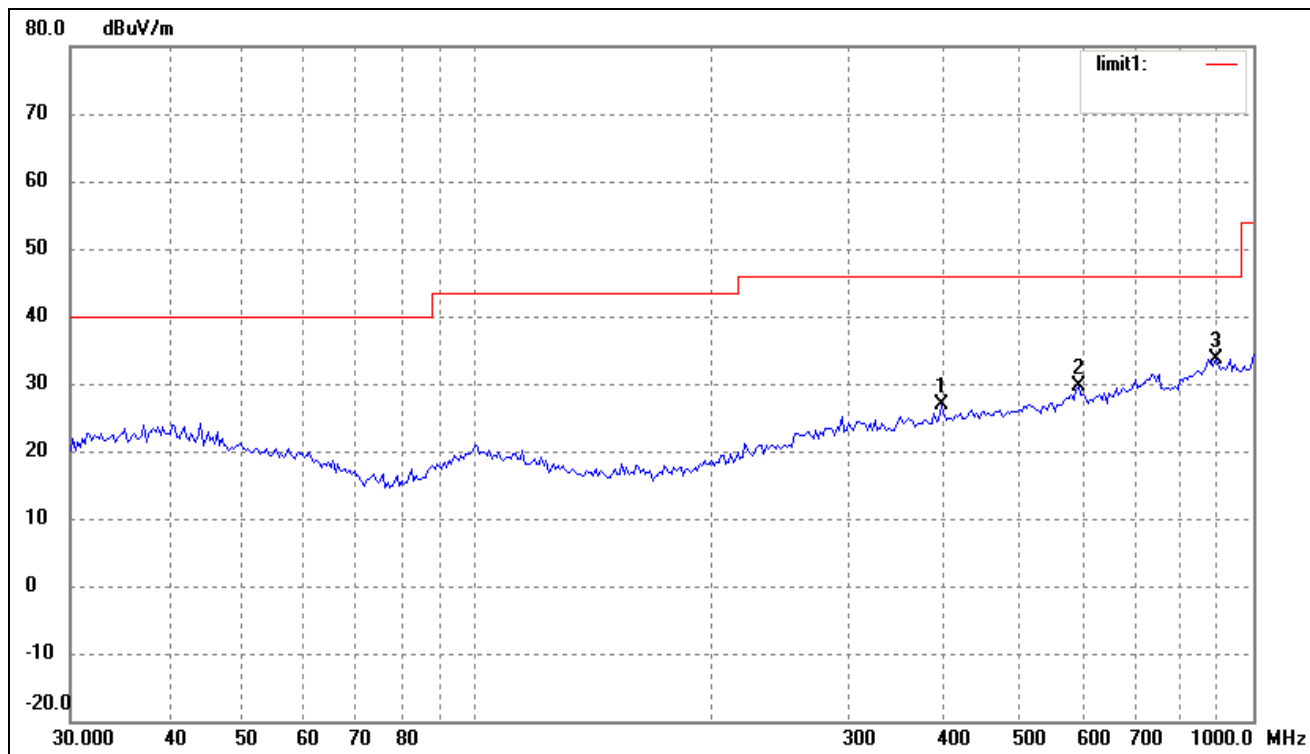
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.3462	14.80	8.97	23.77	40.00	-16.23	270	100	peak
2	96.7749	15.52	5.32	20.84	43.50	-22.66	51	200	peak
3	316.5890	15.66	9.28	24.94	46.00	-21.06	360	200	peak
4	851.0353	15.81	15.97	31.78	46.00	-14.22	360	100	peak

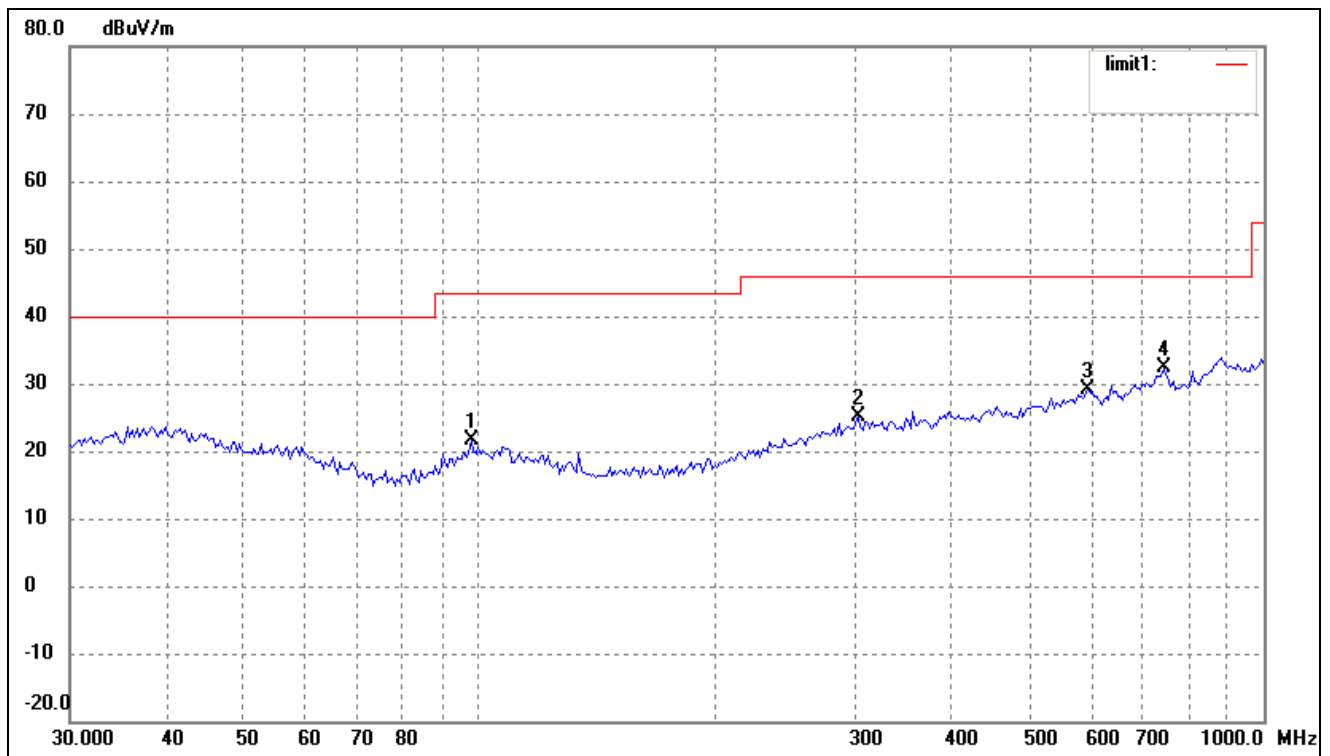
Test mode: Transmitting Channel 5805MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	396.2415	16.87	9.95	26.82	46.00	-19.18	360	100	peak
2	595.1329	16.45	13.14	29.59	46.00	-16.41	180	100	peak
3	893.8567	16.88	16.85	33.73	46.00	-12.27	225	100	peak

Test Specification: Vertical

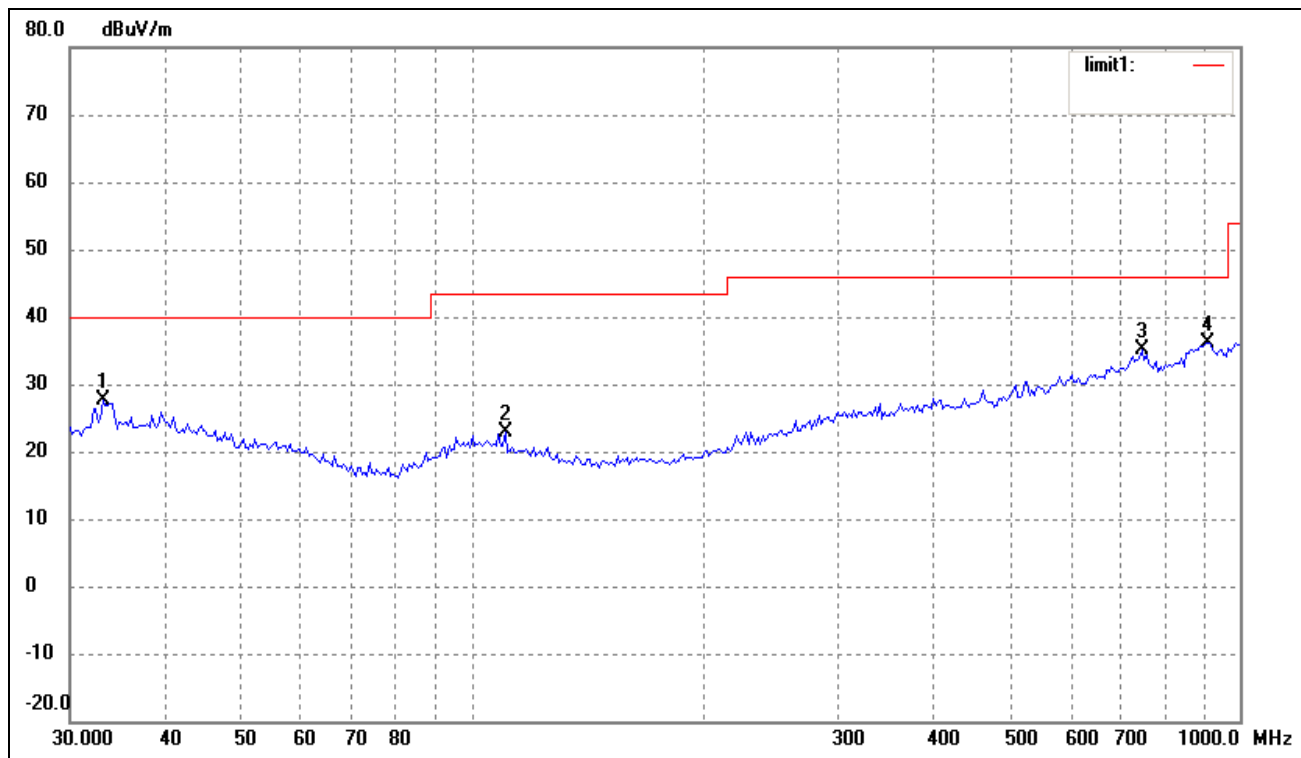


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	97.4560	16.14	5.49	21.63	43.50	-21.87	260	100	peak
2	303.5437	15.82	9.19	25.01	46.00	-20.99	131	200	peak
3	595.1329	15.93	13.14	29.07	46.00	-16.93	285	200	peak
4	744.8661	16.95	15.33	32.28	46.00	-13.72	224	100	peak

802.11N-HT40

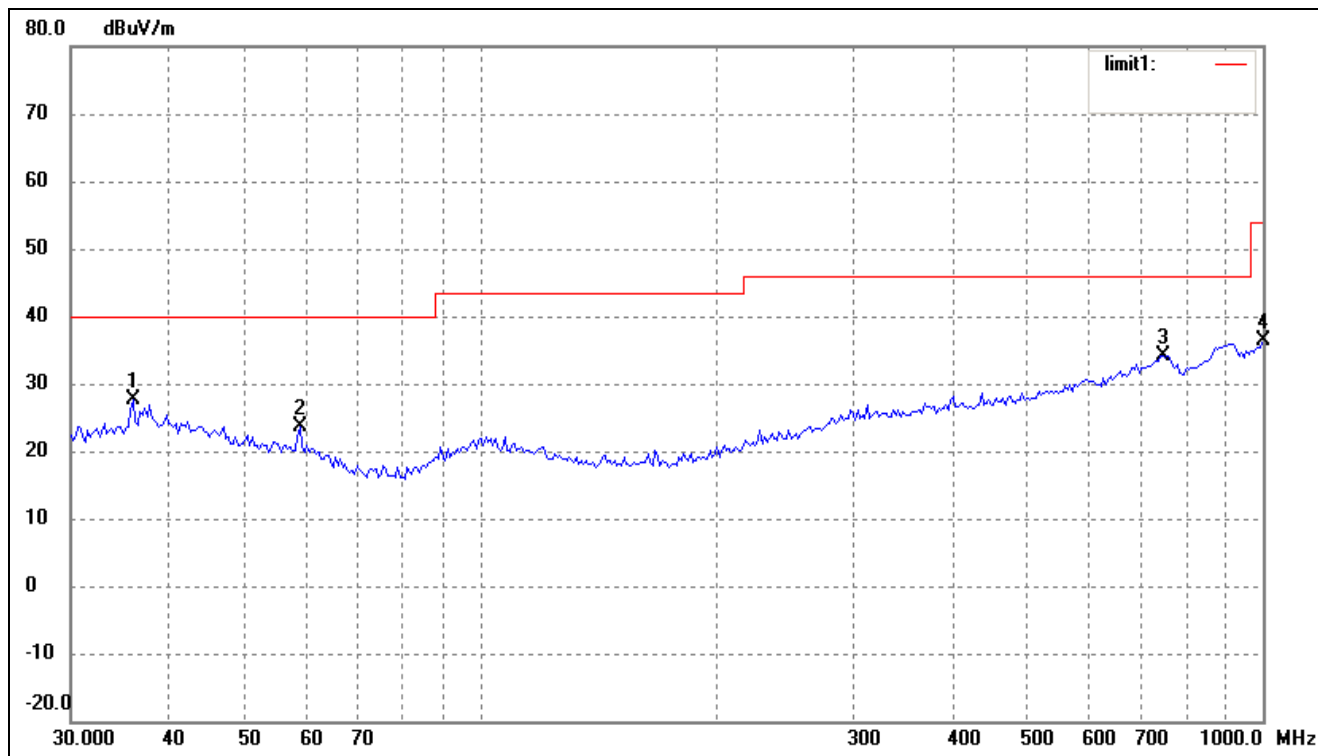
Test mode: Transmitting Channel 5190MHz

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	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

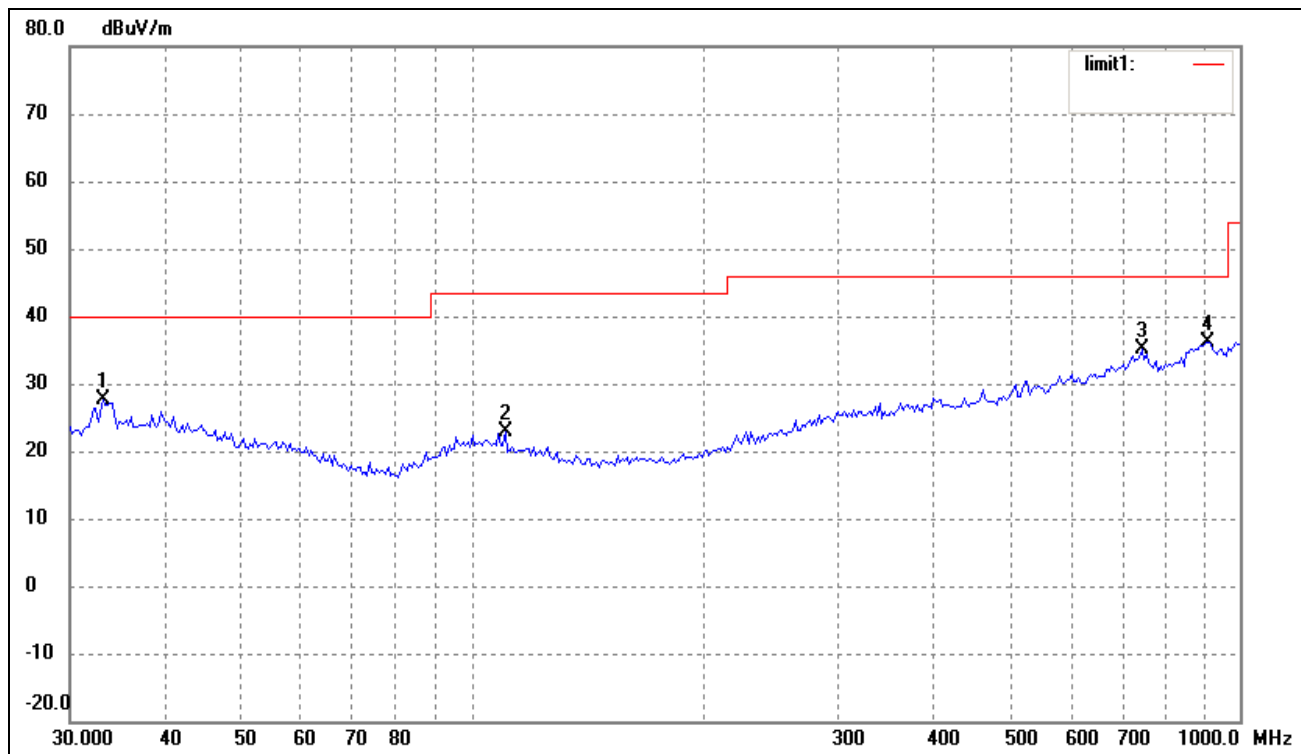
Test Specification: Vertical



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

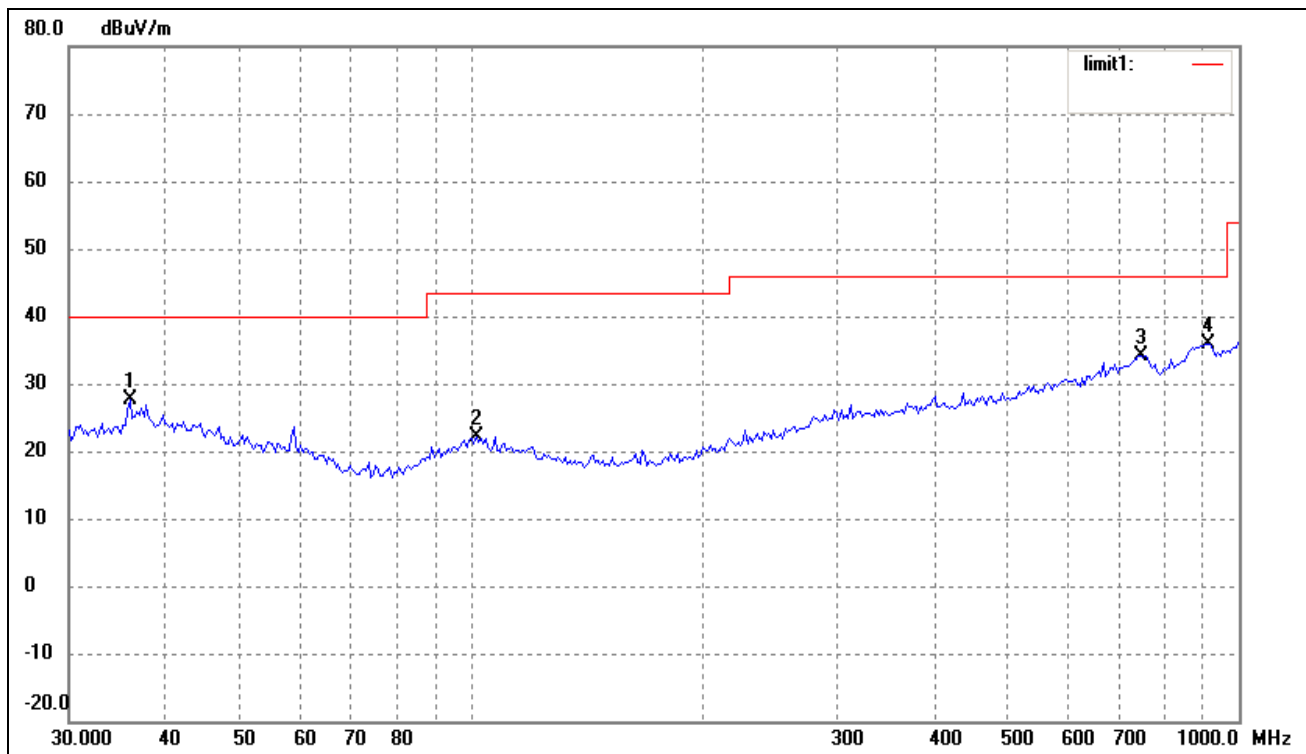
Test mode: Transmitting Channel 5230MHz

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	19.05	8.56	27.61	40.00	-12.39	176	100	peak
2	110.5687	16.99	5.80	22.79	43.50	-20.71	255	100	peak
3	744.8661	17.06	17.95	35.01	46.00	-10.99	360	100	peak
4	906.4824	16.94	19.15	36.09	46.00	-9.91	178	100	peak

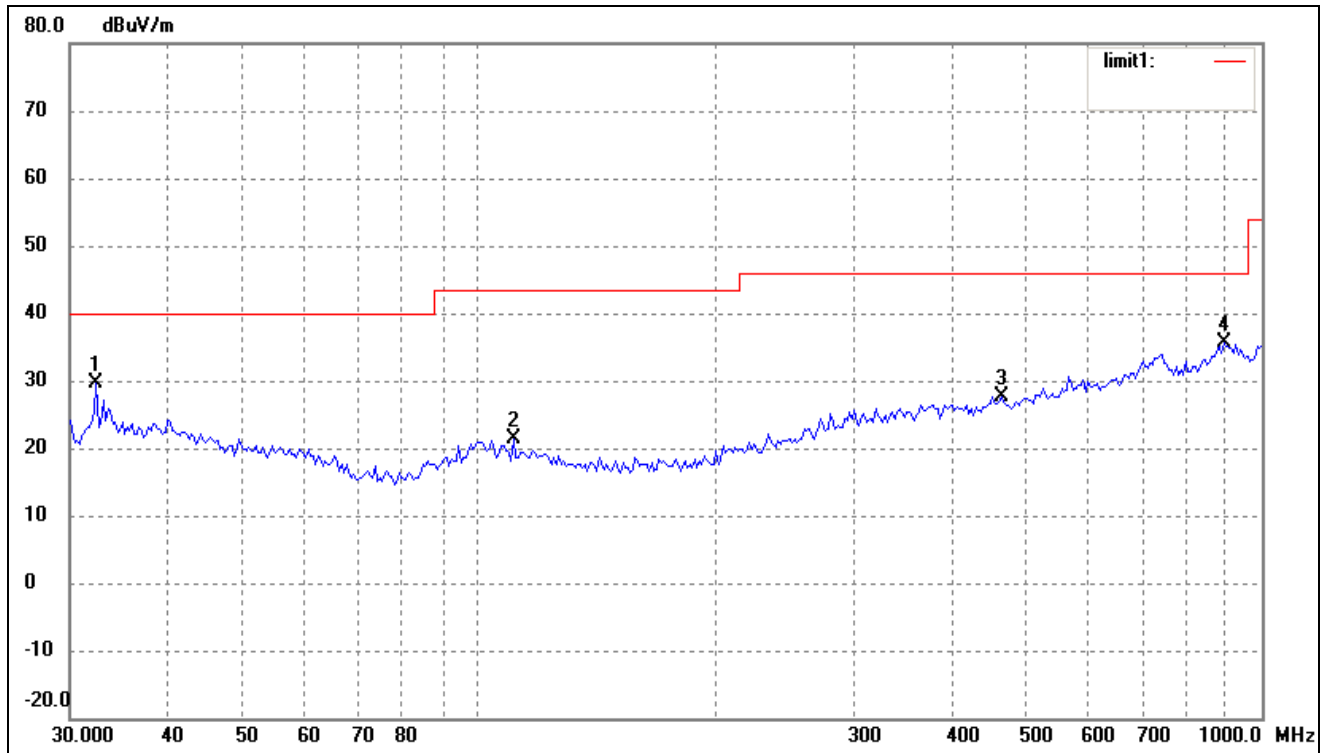
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.0007	18.59	9.04	27.63	40.00	-12.37	360	100	peak
2	101.6443	15.50	6.67	22.17	43.50	-21.33	225	100	peak
3	744.8661	16.16	17.95	34.11	46.00	-11.89	160	100	peak
4	912.8620	16.92	18.93	35.85	46.00	-10.15	310	100	peak

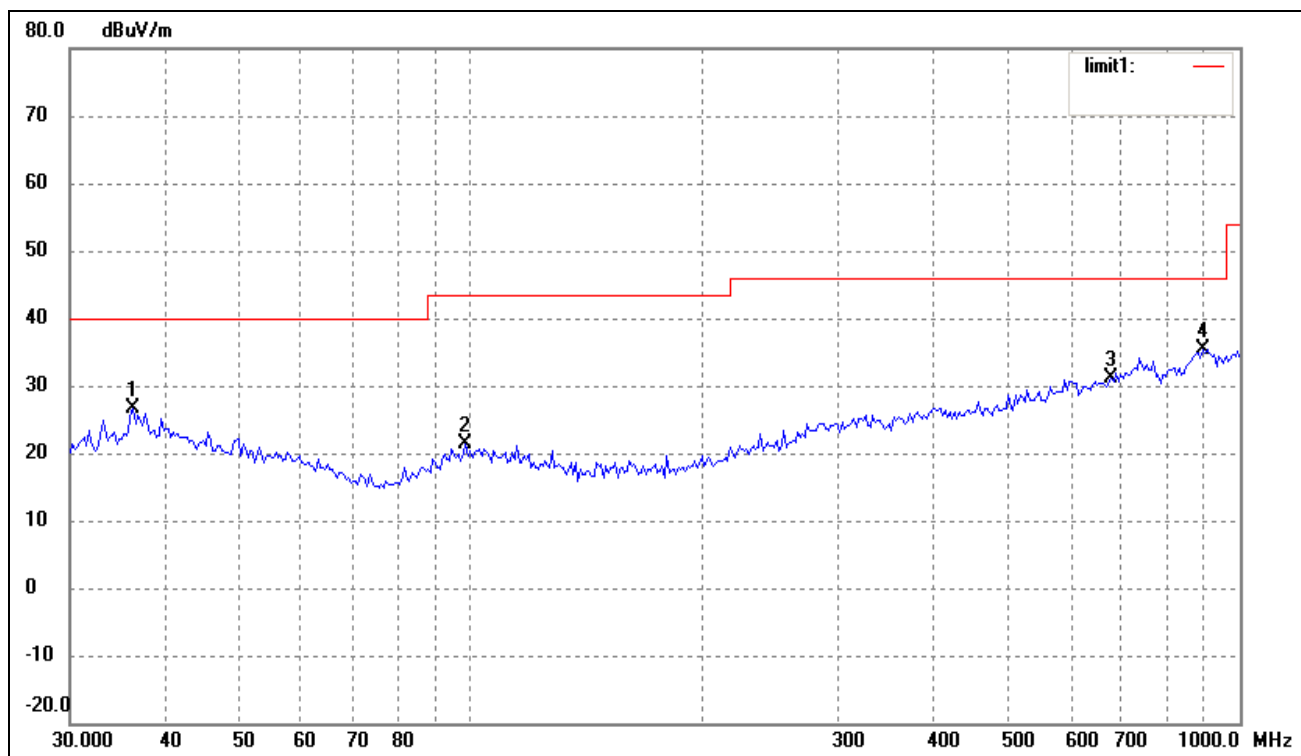
Test mode: Transmitting Channel 5270MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	32.4059	21.23	8.44	29.67	40.00	-10.33	174	100	peak
2	110.5687	15.56	5.80	21.36	43.50	-22.14	160	100	peak
3	465.5994	16.02	11.69	27.71	46.00	-18.29	320	100	peak
4	893.8567	16.34	19.27	35.61	46.00	-10.39	360	100	peak

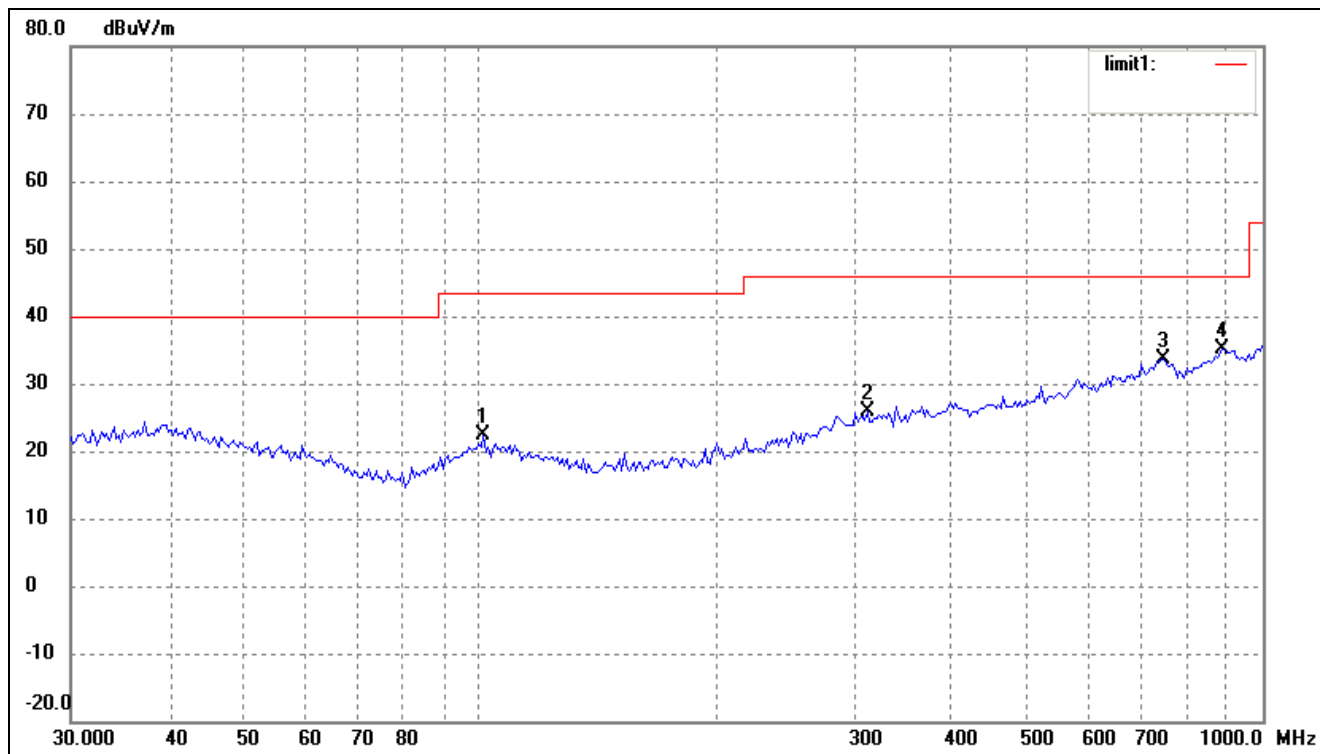
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	36.2541	17.45	9.09	26.54	40.00	-13.46	177	100	peak
2	98.1419	14.98	6.39	21.37	43.50	-22.13	90	100	peak
3	679.9600	15.48	15.55	31.03	46.00	-14.97	336	100	peak
4	893.8567	16.13	19.27	35.40	46.00	-10.60	360	100	peak

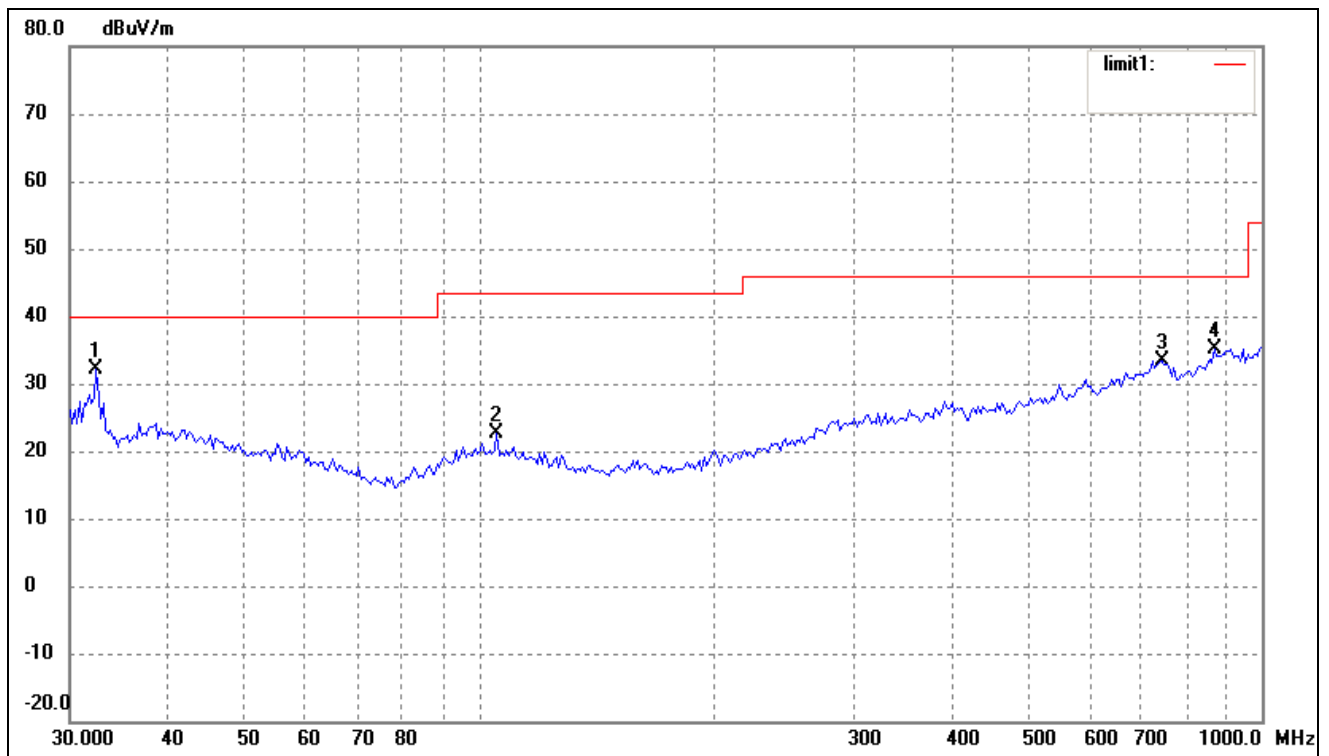
Test mode: Transmitting Channel 5310MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
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

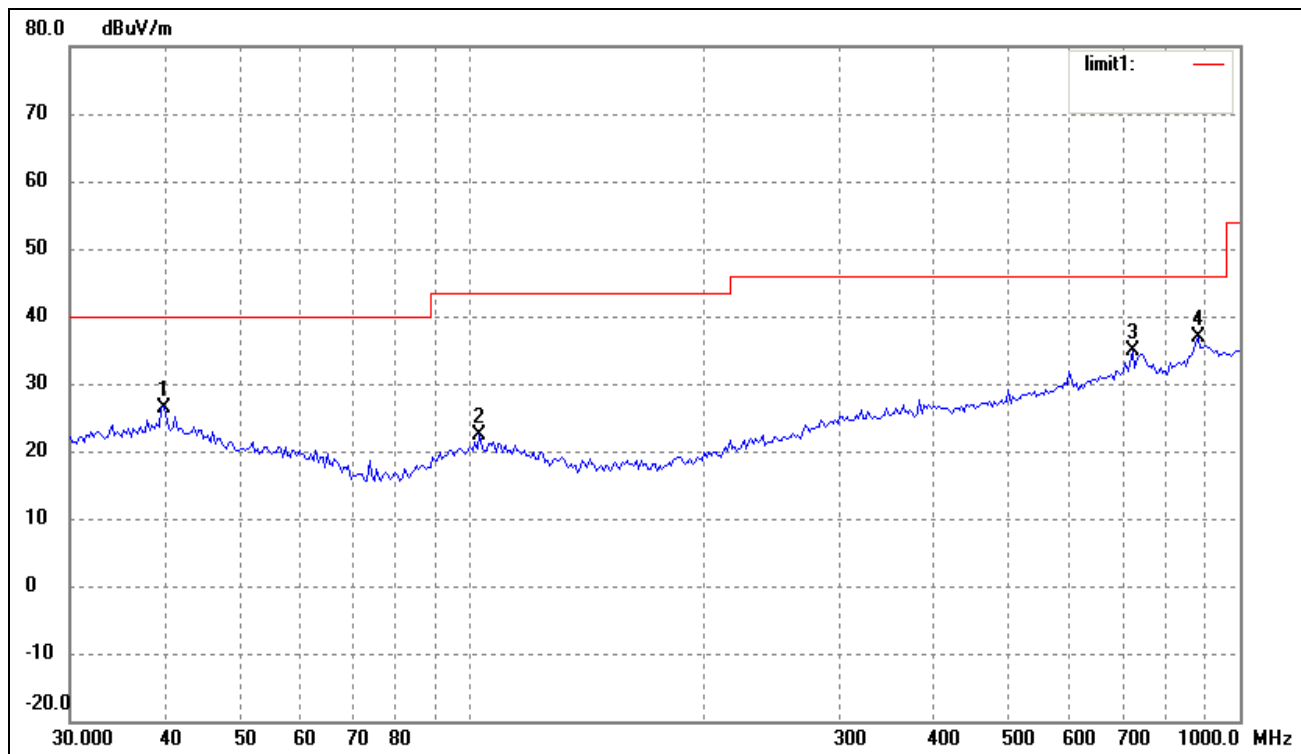
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	32.4059	23.69	8.44	32.13	40.00	-7.87	264	100	peak
2	105.2718	16.25	6.32	22.57	43.50	-20.93	110	100	peak
3	744.8661	15.46	17.95	33.41	46.00	-12.59	136	100	peak
4	869.1302	16.70	18.54	35.24	46.00	-10.76	90	100	peak

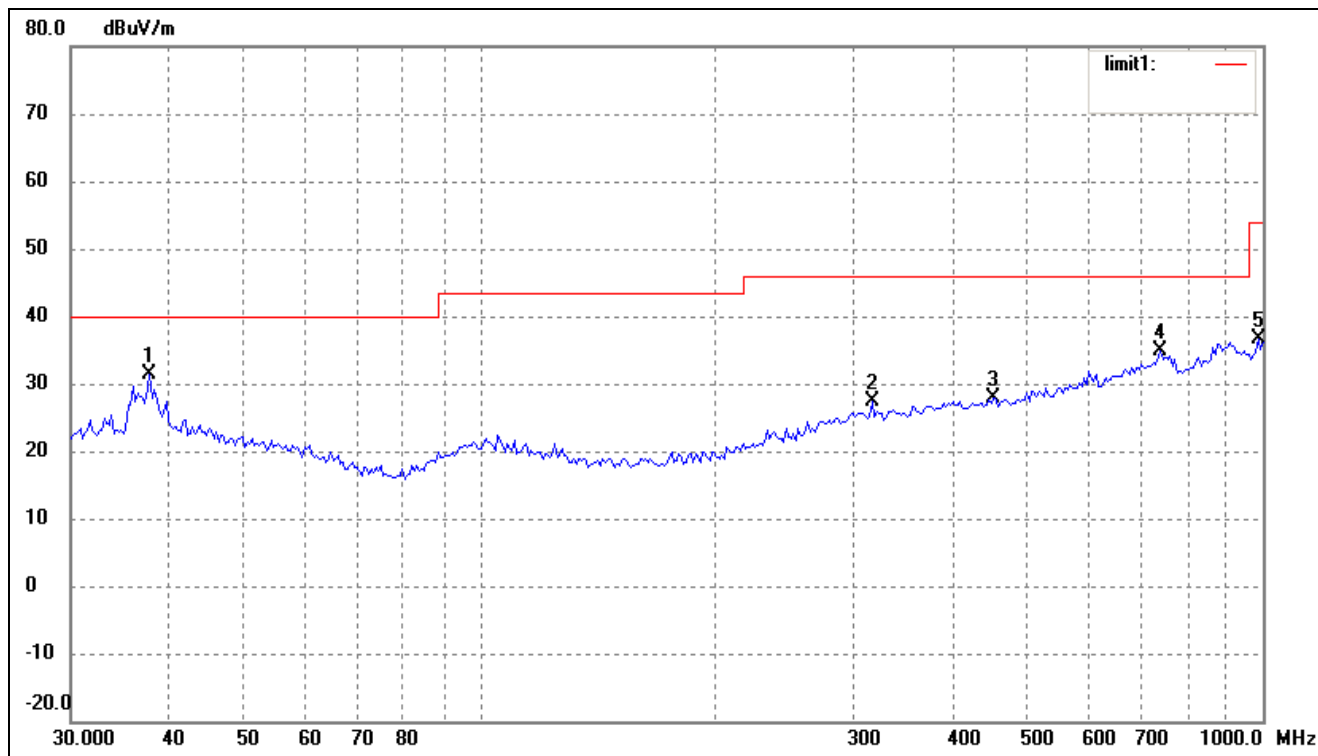
Test mode: Transmitting Channel 5510MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
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

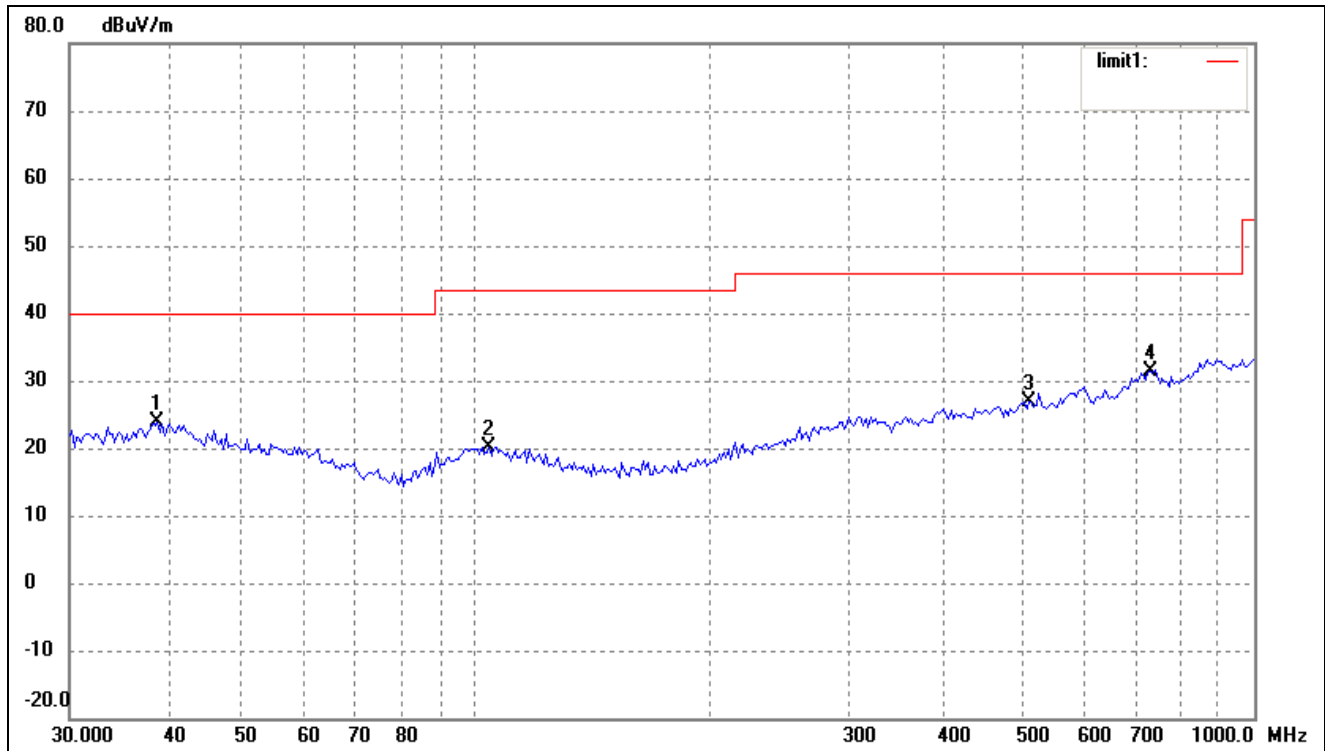
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	37.8121	21.98	9.33	31.31	40.00	-8.69	267	100	peak
2	316.5890	16.84	10.44	27.28	46.00	-18.72	116	100	peak
3	452.7197	16.27	11.58	27.85	46.00	-18.15	360	100	peak
4	739.6605	16.81	18.07	34.88	46.00	-11.12	228	100	peak
5	986.0717	17.36	19.17	36.53	54.00	-17.47	270	100	peak

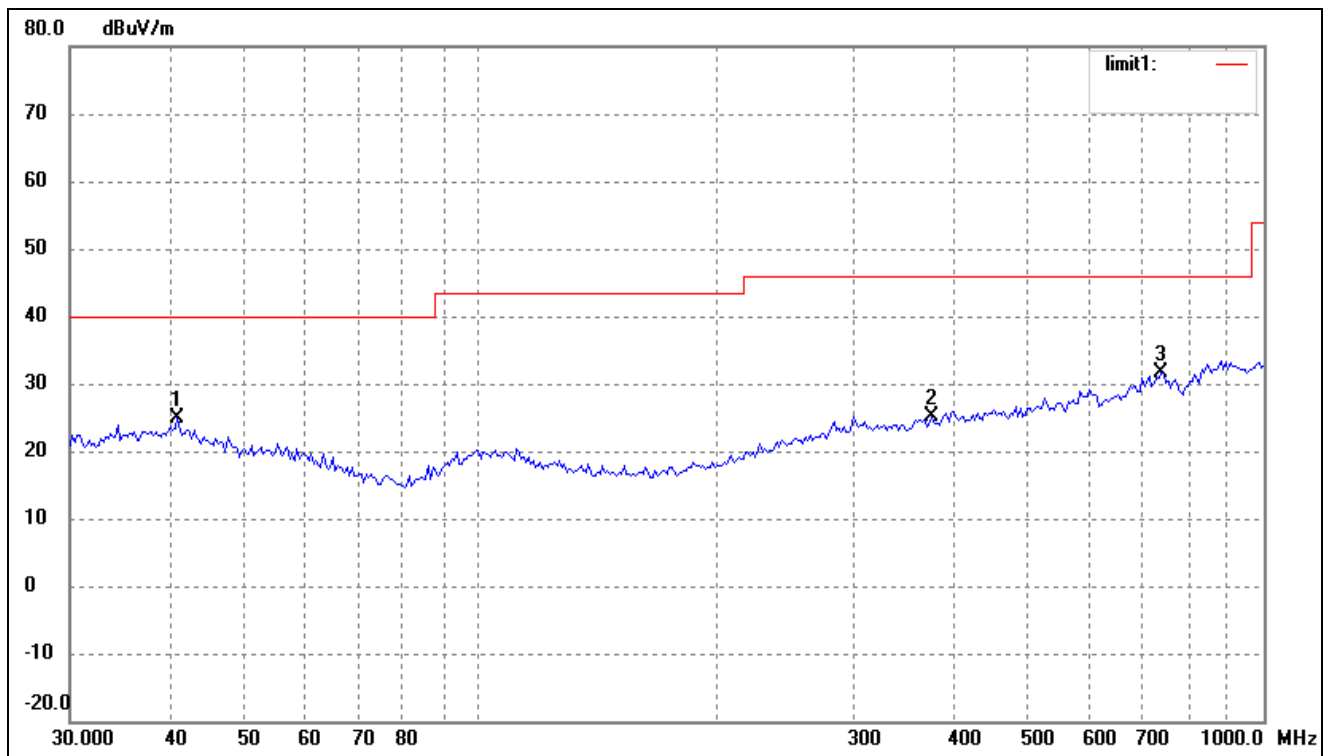
Test mode: Transmitting Channel 5590MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.8879	14.75	9.06	23.81	40.00	-16.19	177	100	peak
2	103.8055	14.46	5.73	20.19	43.50	-23.31	90	100	peak
3	513.6331	15.58	11.21	26.79	46.00	-19.21	336	100	peak
4	734.4913	16.04	15.22	31.26	46.00	-14.74	360	100	peak

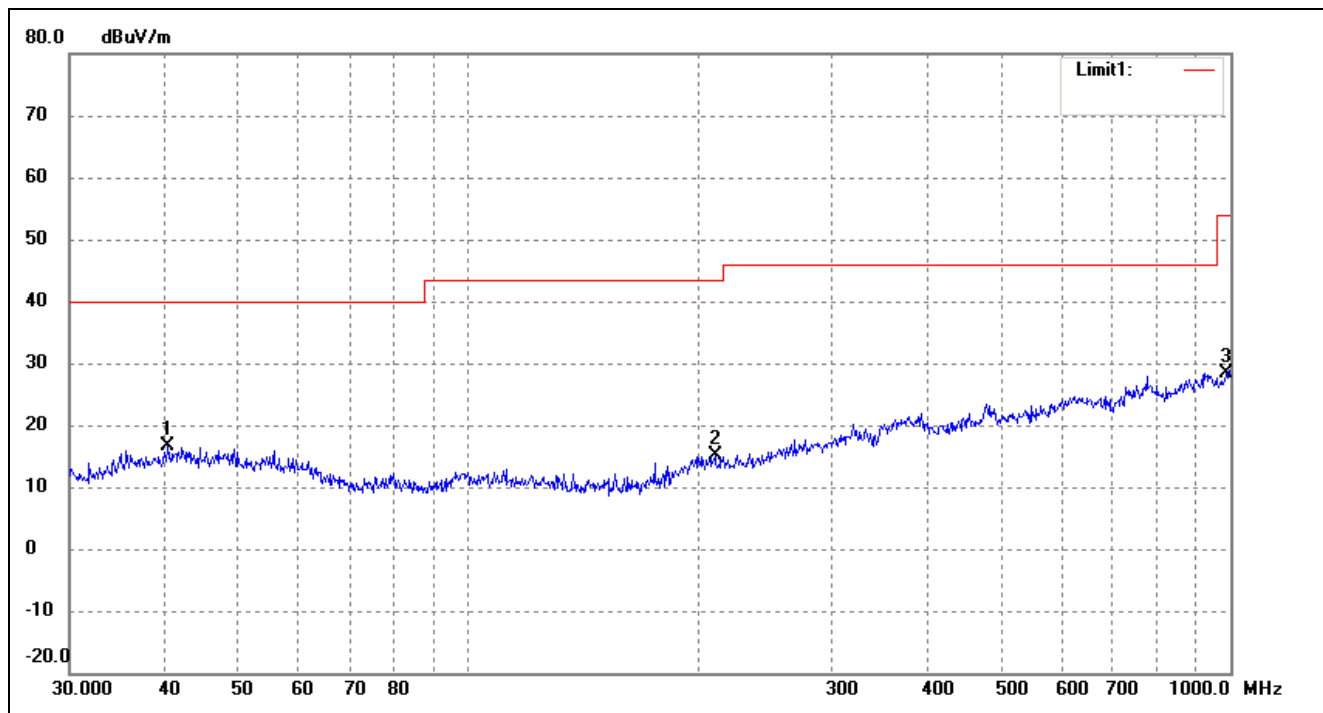
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.1320	15.91	8.91	24.82	40.00	-15.18	270	100	peak
2	377.2591	16.03	9.20	25.23	46.00	-20.77	164	100	peak
3	739.6605	16.06	15.53	31.59	46.00	-14.41	228	200	peak

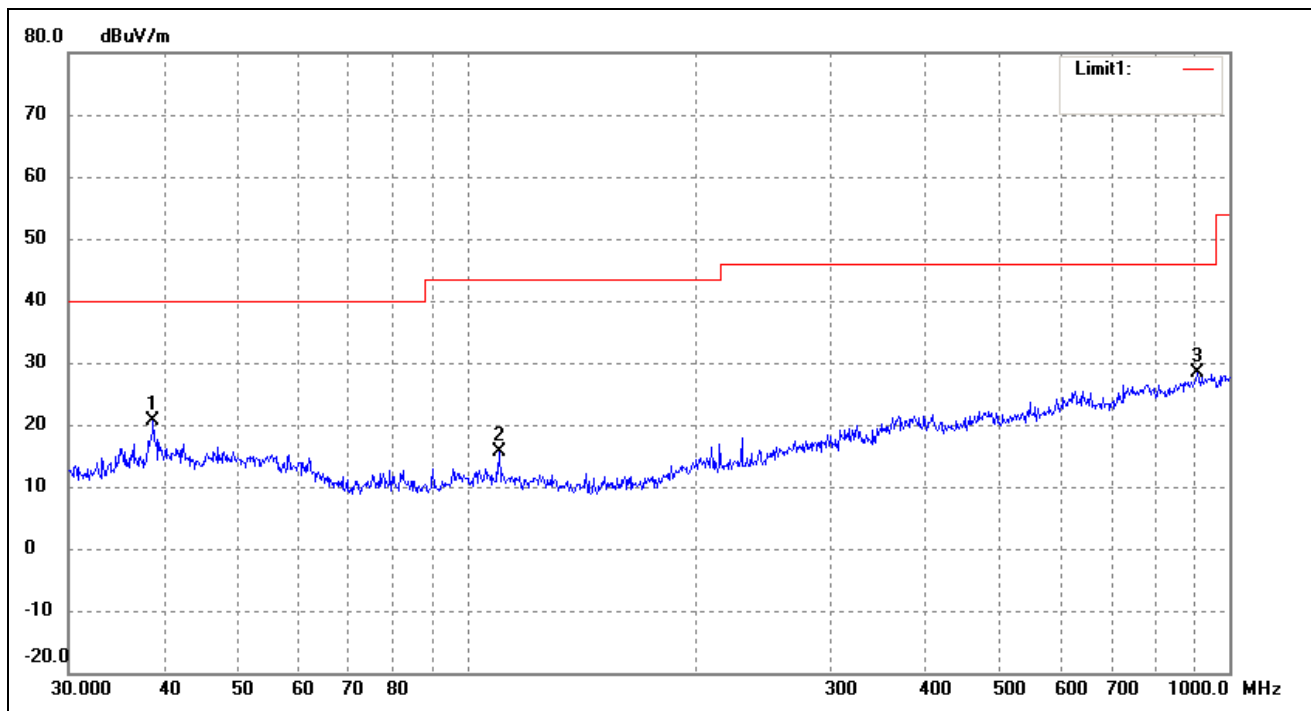
Test mode: Transmitting Channel 5670MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	40.4172	24.28	-7.70	16.58	40.00	-23.42	129	100	peak
2	210.7860	23.96	-8.76	15.20	43.50	-28.30	154	100	peak
3	989.5355	24.05	4.32	28.37	54.00	-25.63	136	100	peak

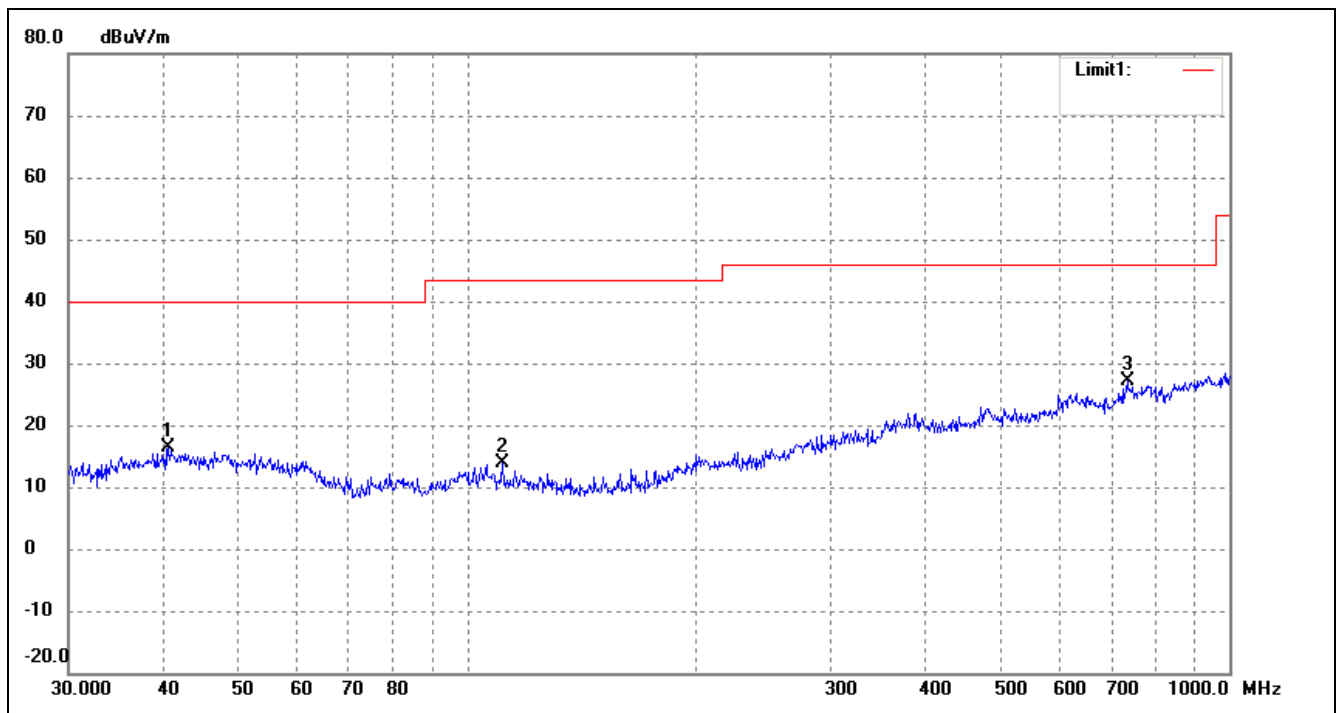
Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.7518	28.58	-8.00	20.58	40.00	-19.42	187	100	peak
2	110.1816	26.80	-11.17	15.63	43.50	-27.87	192	100	peak
3	906.4824	25.03	3.31	28.34	46.00	-17.66	155	200	peak

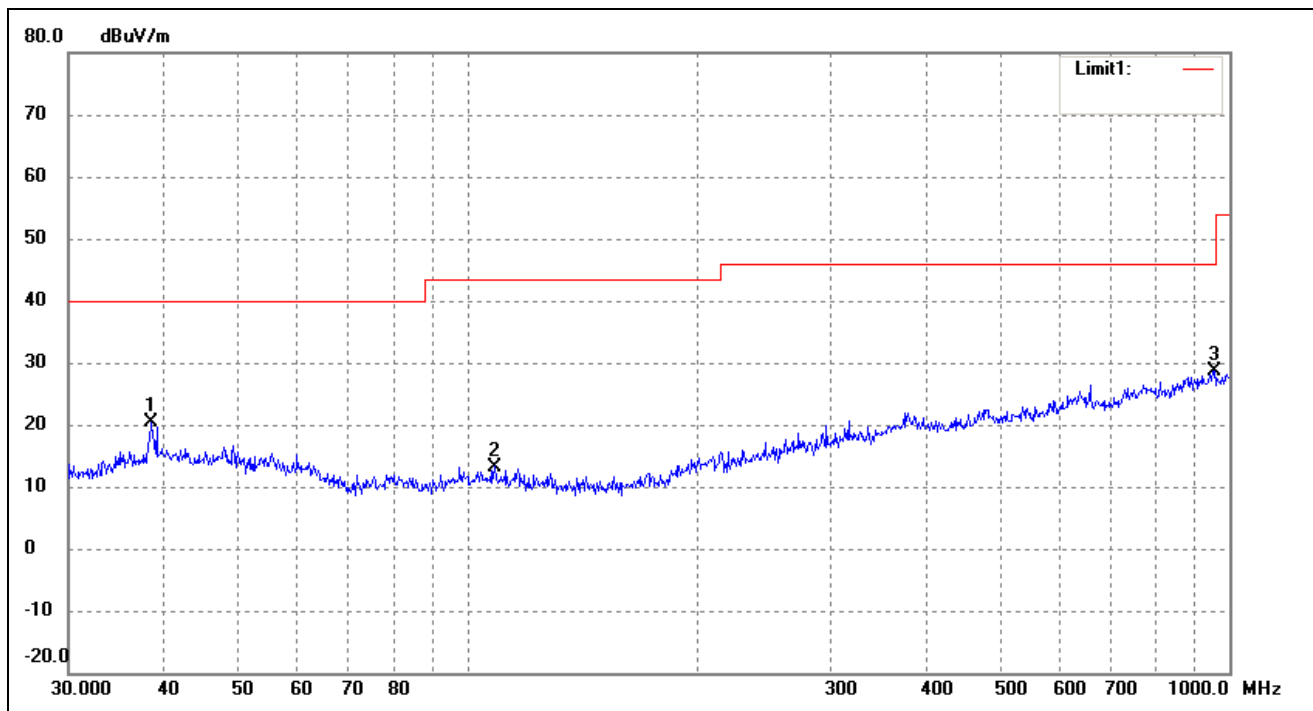
Test mode: Transmitting Channel 5755MHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	40.5591	24.18	-7.70	16.48	40.00	-23.52	147	100	peak
2	111.3468	25.03	-11.21	13.82	43.50	-29.68	158	100	peak
3	734.4913	25.22	1.80	27.02	46.00	-18.98	169	100	peak

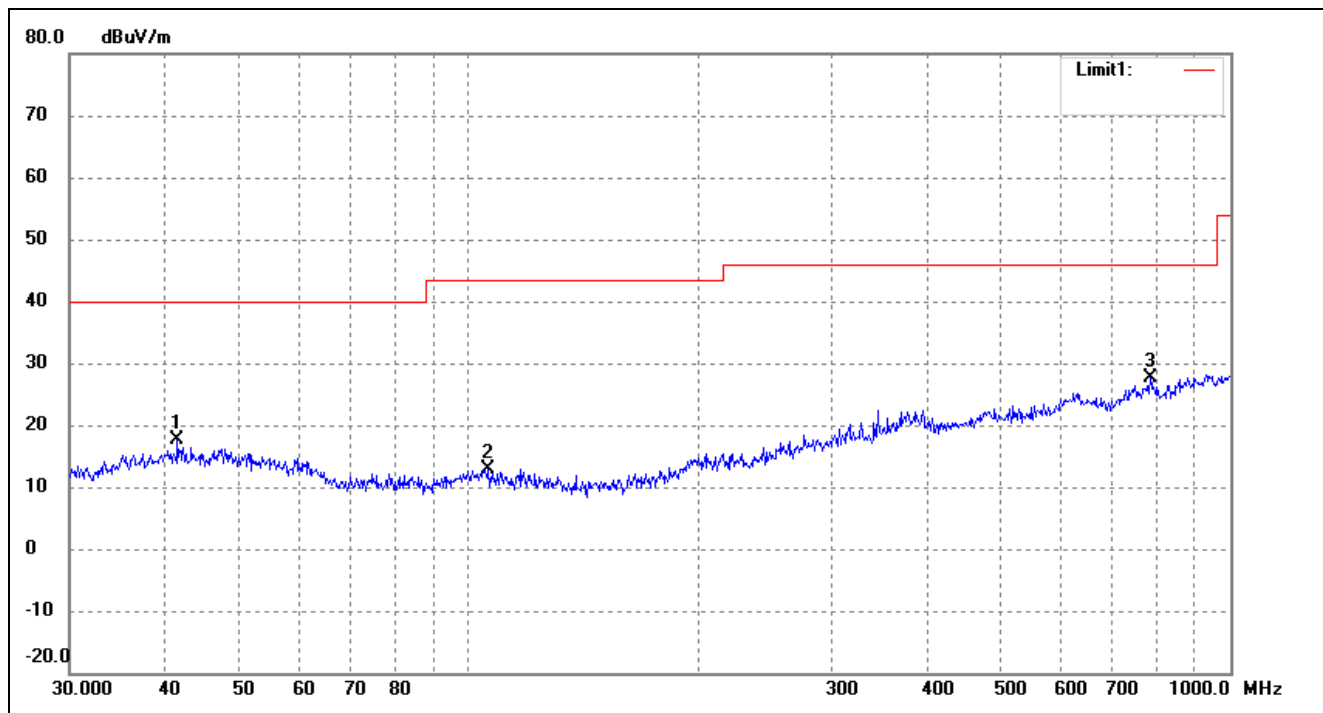
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.4809	28.35	-8.08	20.27	40.00	-19.73	233	100	peak
2	108.6470	24.37	-11.12	13.25	43.50	-30.25	254	100	peak
3	955.4381	24.88	3.73	28.61	46.00	-17.39	298	200	peak

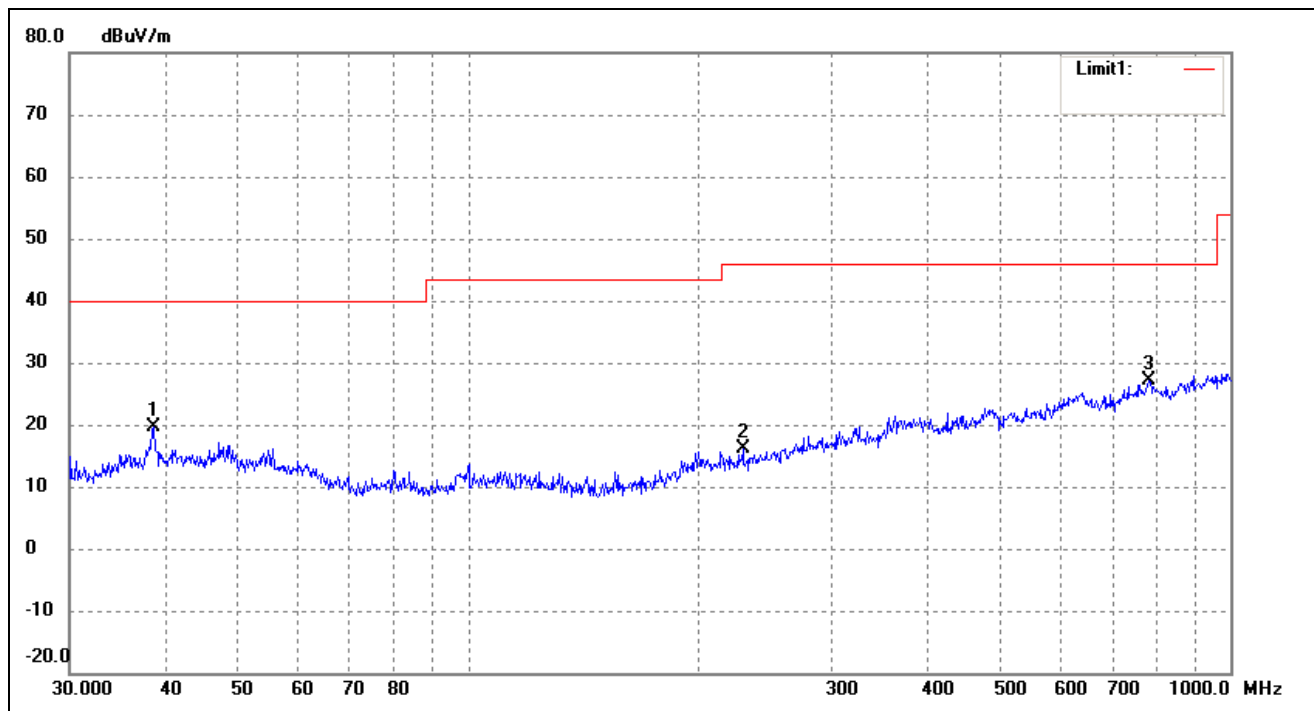
Test mode: Transmitting Channel 5795MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	41.5670	25.34	-7.77	17.57	40.00	-22.43	245	100	peak
2	106.3850	24.07	-11.07	13.00	43.50	-30.50	165	100	peak
3	785.0935	25.09	2.65	27.74	46.00	-18.26	314	100	peak

Test Specification: Vertical



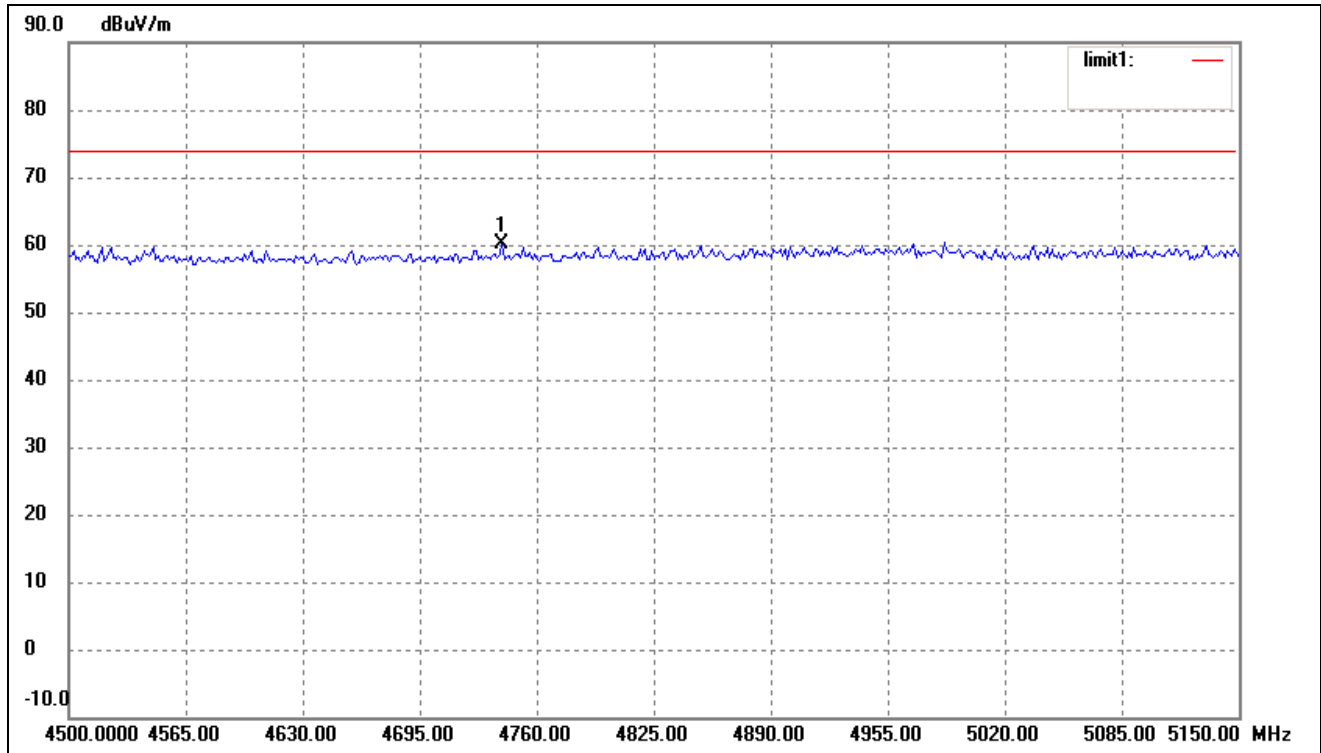
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	38.7518	27.53	-8.01	19.52	40.00	-20.48	298	100	peak
2	229.2931	24.78	-8.60	16.18	46.00	-29.82	57	100	peak
3	782.3453	24.23	2.78	27.01	46.00	-18.99	96	200	peak

For 802.11a

Spurious Emission above 1GHz

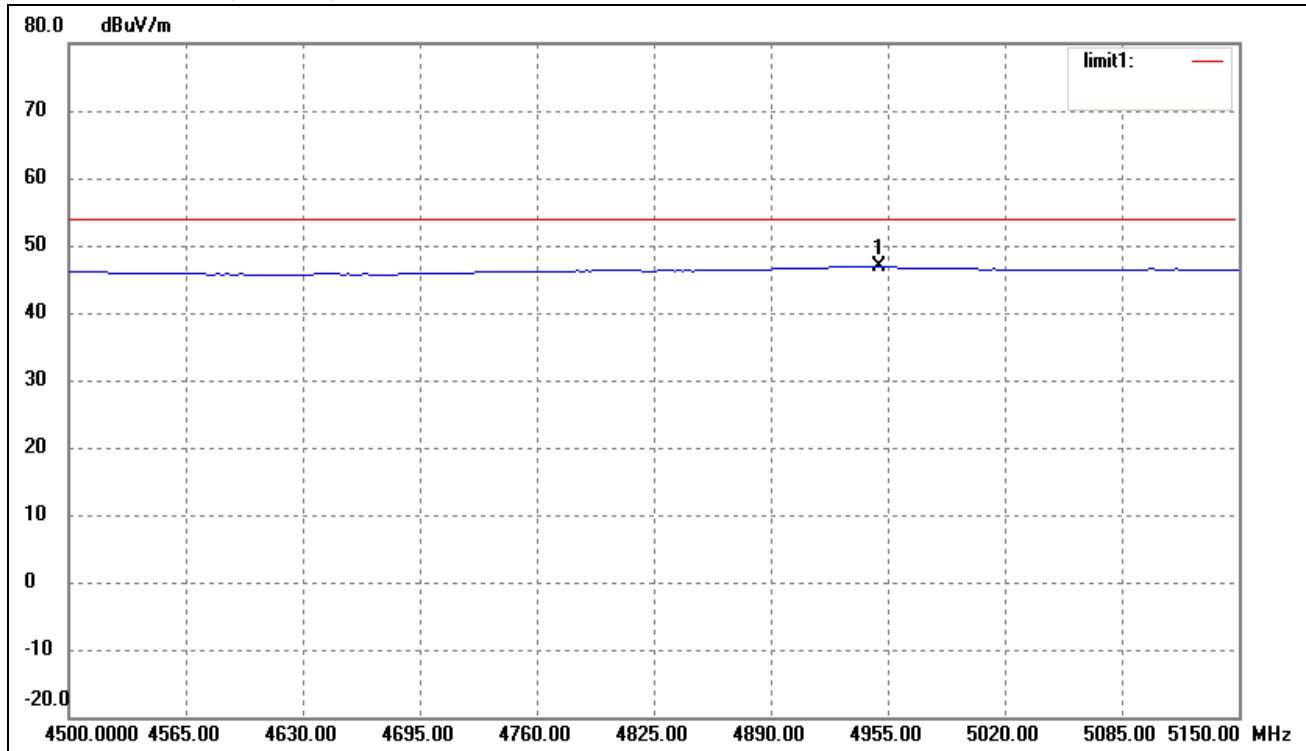
For the frequency band 5.15-5.25GHz(802.11a)

Restricted Bandedge Peak



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	4741.824	29.65	30.41	60.06	74.00	-13.94	360	100	peak

Restricted Bandedge Average



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	4950.120	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.

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

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-45.35	-27
Highest	Above 5350	-43.56	-27
Note: the data just list the worst cases			

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

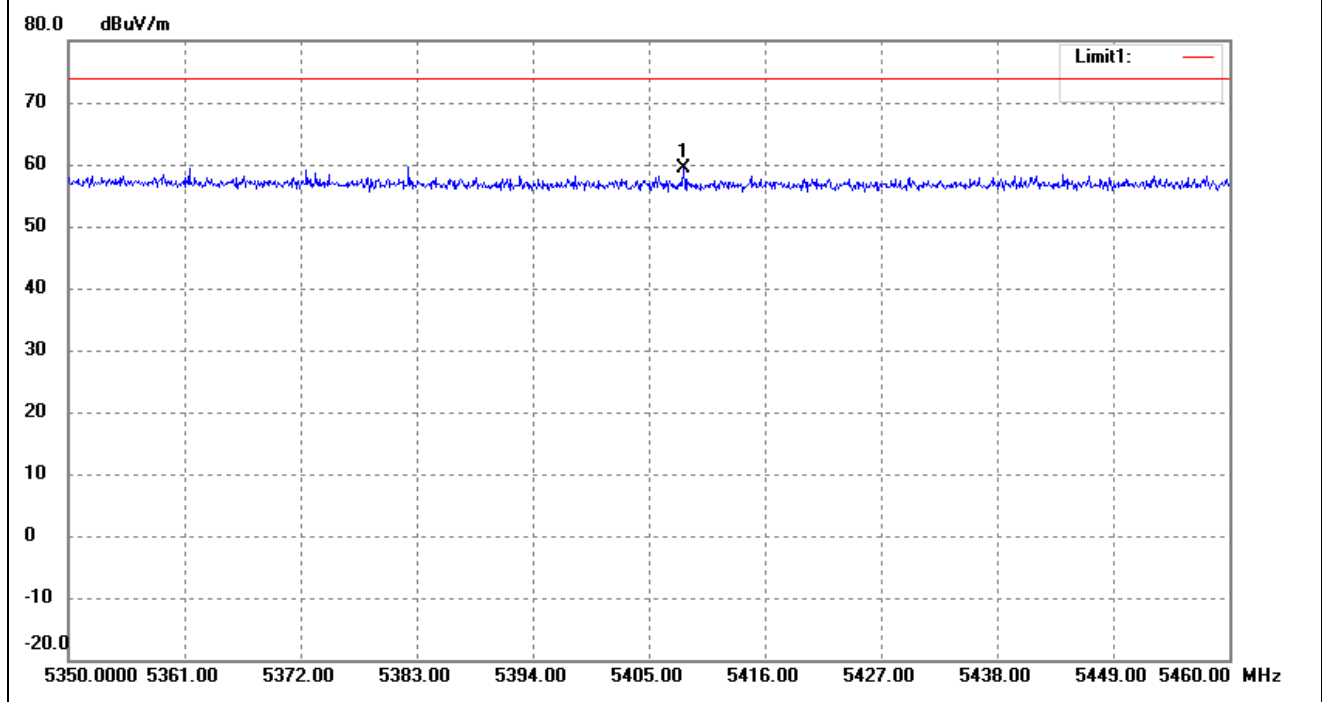
Harmonics And Spurious Emissions

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 (5260MHz)										
10520	PK	53.1	360	V	38.3	7.24	40.1	58.54	74	-15.46
10520	PK	56.8	360	H	38.3	7.24	40.1	62.24	74	-11.76
10520	AV	37.9	360	V	38.3	7.24	40.1	43.34	54	-10.66
10520	AV	39.4	360	H	38.3	7.24	40.1	44.84	54	-9.16
High Channel (5320MHz)										
10640	PK	51.6	360	V	38.3	7.24	40.1	57.04	74	-16.96
10640	PK	53.7	360	H	38.3	7.24	40.1	59.14	74	-14.86
10640	AV	35.8	360	V	38.3	7.24	40.1	41.24	54	-12.76
10640	AV	37.1	360	H	38.3	7.24	40.1	42.54	54	-11.46

Out of Band edge

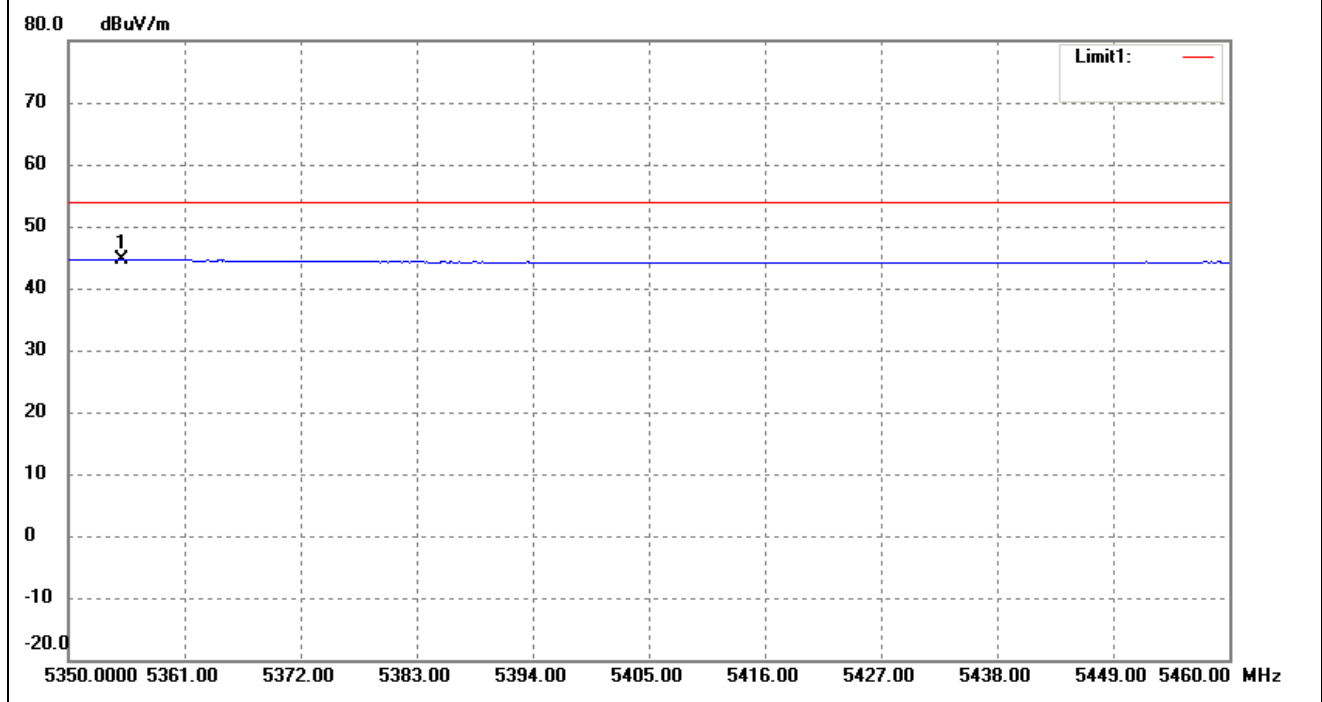
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.37	-27
Highest	Above 5350	-46.67	-27
Note: the data just list the worst cases			

Restricted Bandedge Peak



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5408.300	64.36	-5.06	59.30	74.00	-14.70	360	100	peak

Restricted Bandedge Average



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5355.060	49.71	-5.09	44.62	54.00	-9.38	360	100	peak

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

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 (5500MHz)										
11000	PK	53.9	360	V	38.5	8.35	40.1	60.65	74	-13.35
11000	PK	55.8	360	H	38.5	8.35	40.1	62.55	74	-11.45
11000	AV	37.1	360	V	38.5	8.35	40.1	43.85	54	-10.15
11000	AV	39.8	360	H	38.5	8.35	40.1	46.55	54	-7.45
High Channel (5700MHz)										
11400	PK	50.6	360	V	38.9	8.4	40.1	57.8	74	-16.2
11400	PK	52.7	360	H	38.9	8.4	40.1	59.9	74	-14.1
11400	AV	32.7	360	V	38.9	8.4	40.1	39.9	54	-14.1
11400	AV	34.6	360	H	38.9	8.4	40.1	41.8	54	-12.2

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-43.37	-27
Highest	Above 5725	-46.67	-27
Note: the data just list the worst cases			

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

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 (5745MHz)										
11490	PK	55.8	360	V	38.9	9.8	40.1	64.4	74	-9.6
11490	PK	54.5	360	H	38.9	9.8	40.1	63.1	74	-10.9
11490	AV	36.7	360	V	38.9	9.8	40.1	45.3	54	-8.7
11490	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

Out of Band edge

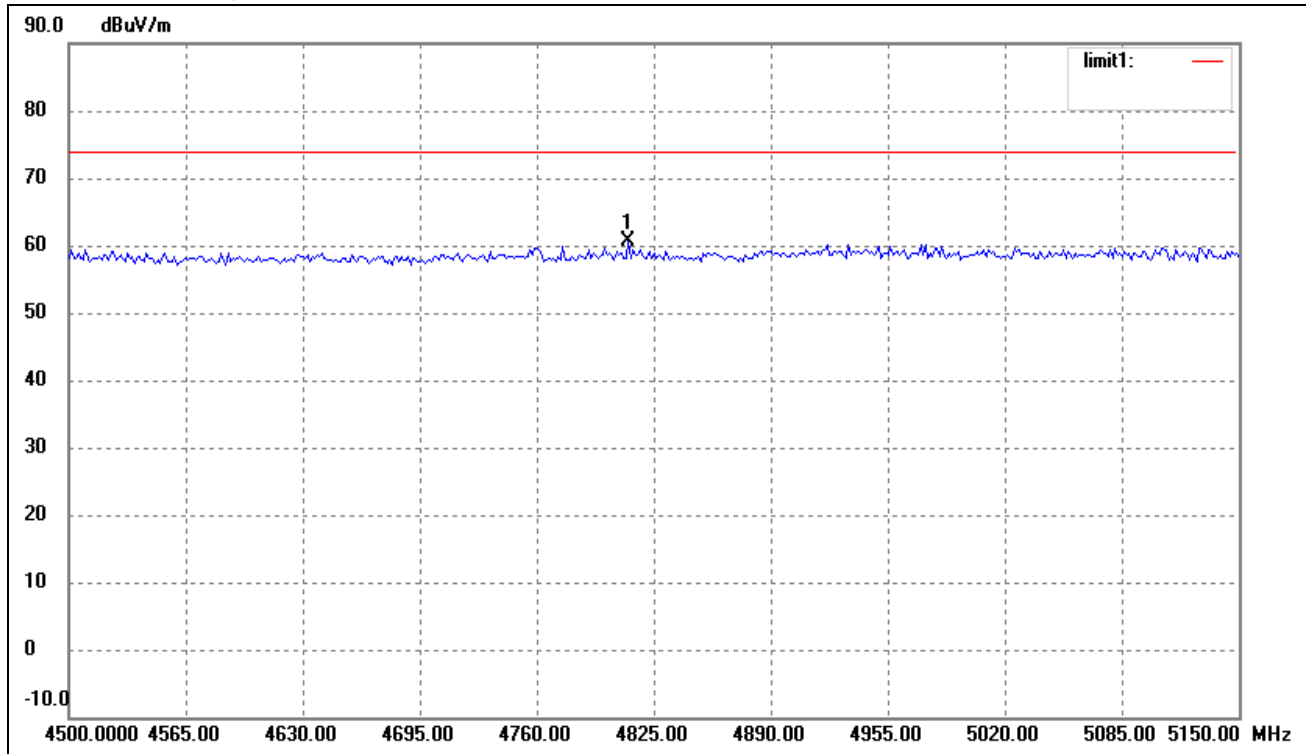
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-49.30	-27
	5715 to 5725	-45.52	-17
Highest	5850 to 5860	-43.37	-17
	Above 5860	-49.60	-27

Note: the data just list the worst cases

802.11n HT20

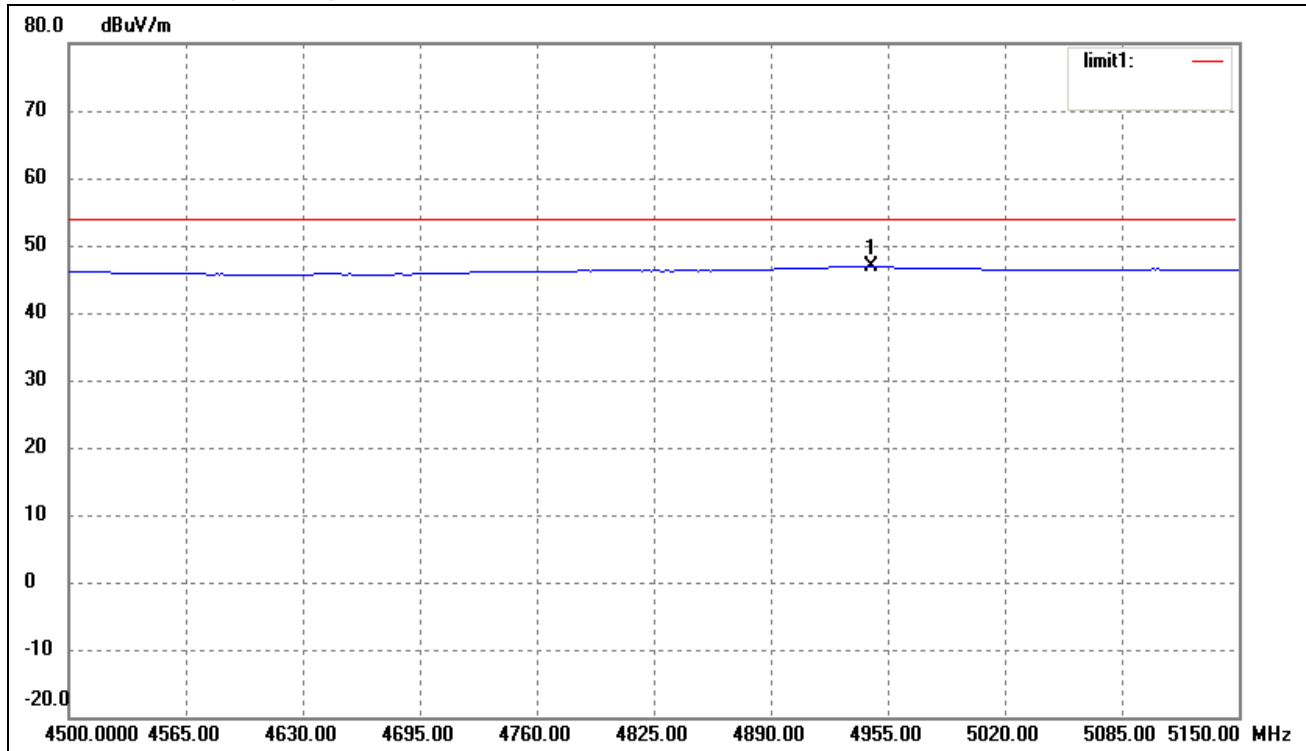
For the frequency band 5.15-5.25GHz(802.11n HT20)

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	4810.700	30.04	30.52	60.56	74.00	-13.44	360	100	peak

Restricted Bandedge Average



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
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.

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

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.37	-27
Highest	Above 5350	-46.67	-27
Note: the data just list the worst cases			

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

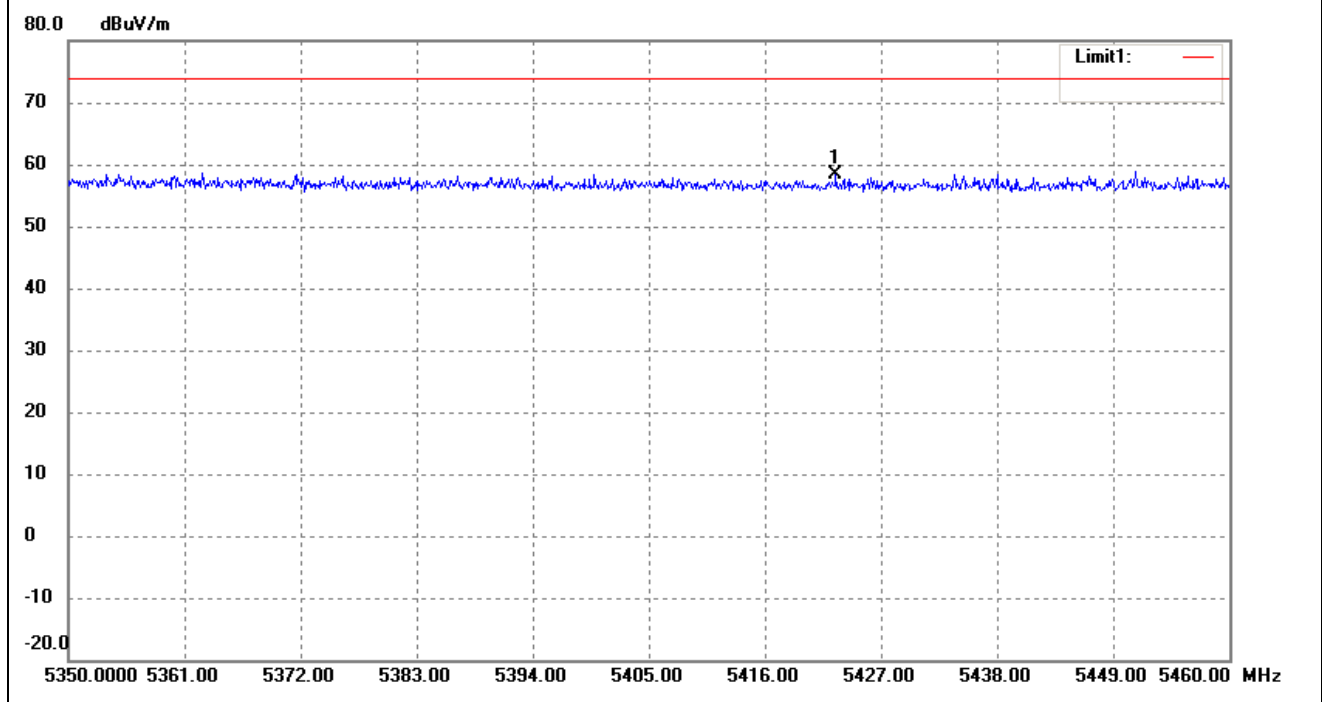
Harmonics And Spurious Emissions

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 (5260MHz)										
10520	PK	54.7	360	V	38.3	7.24	40.1	60.14	74	-13.86
10520	PK	57.1	360	H	38.3	7.24	40.1	62.54	74	-11.46
10520	AV	36.9	360	V	38.3	7.24	40.1	42.34	54	-11.66
10520	AV	38.2	360	H	38.3	7.24	40.1	43.64	54	-10.36
High Channel (5320MHz)										
10640	PK	52.3	360	V	38.3	7.24	40.1	57.74	74	-16.26
10640	PK	54.7	360	H	38.3	7.24	40.1	60.14	74	-13.86
10640	AV	36.5	360	V	38.3	7.24	40.1	41.94	54	-12.06
10640	AV	38.6	360	H	38.3	7.24	40.1	44.04	54	-9.96

Out of Band edge

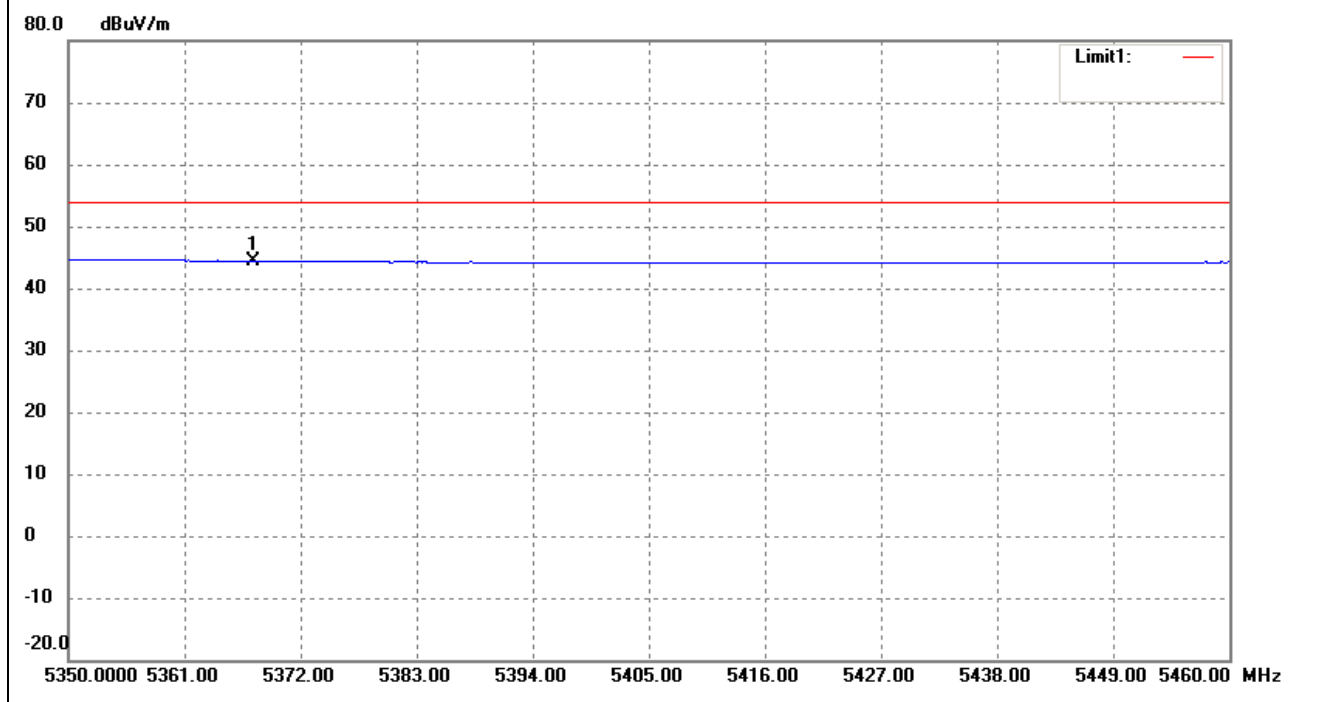
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.37	-27
Highest	Above 5350	-46.67	-27
Note: the data just list the worst cases			

Restricted Bandedge Peak



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5422.710	63.48	-5.05	58.43	74.00	-15.57	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	5367.490	49.53	-5.08	44.45	54.00	-9.55	360	100	peak

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

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 (5500MHz)										
11000	PK	52.1	360	V	38.5	8.35	40.1	58.85	74	-15.15
11000	PK	55.2	360	H	38.5	8.35	40.1	61.95	74	-12.05
11000	AV	36.4	360	V	38.5	8.35	40.1	43.15	54	-10.85
11000	AV	39.1	360	H	38.5	8.35	40.1	45.85	54	-8.15
High Channel (5700MHz)										
11400	PK	51.3	360	V	38.9	8.4	40.1	58.5	74	-15.5
11400	PK	54.5	360	H	38.9	8.4	40.1	61.7	74	-12.3
11400	AV	31.1	360	V	38.9	8.4	40.1	38.3	54	-15.7
11400	AV	35.2	360	H	38.9	8.4	40.1	42.4	54	-11.6

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-43.37	-27
Highest	Above 5725	-46.67	-27
Note: the data just list the worst cases			

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

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

Out of Band edge

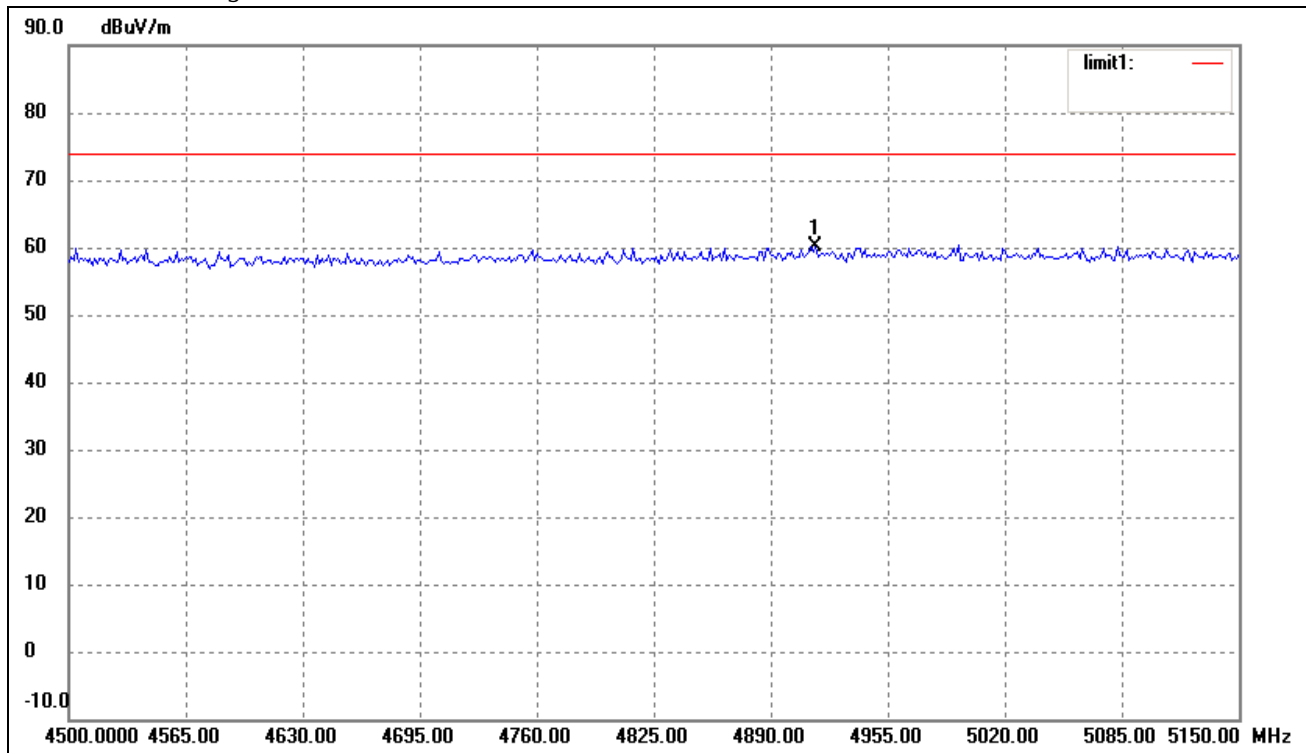
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-45.88	-27
	5715 to 5725	-44.57	-17
Highest	5850 to 5860	-45.52	-17
	Above 5860	-48.52	-27

Note: the data just list the worst cases

802.11n HT40

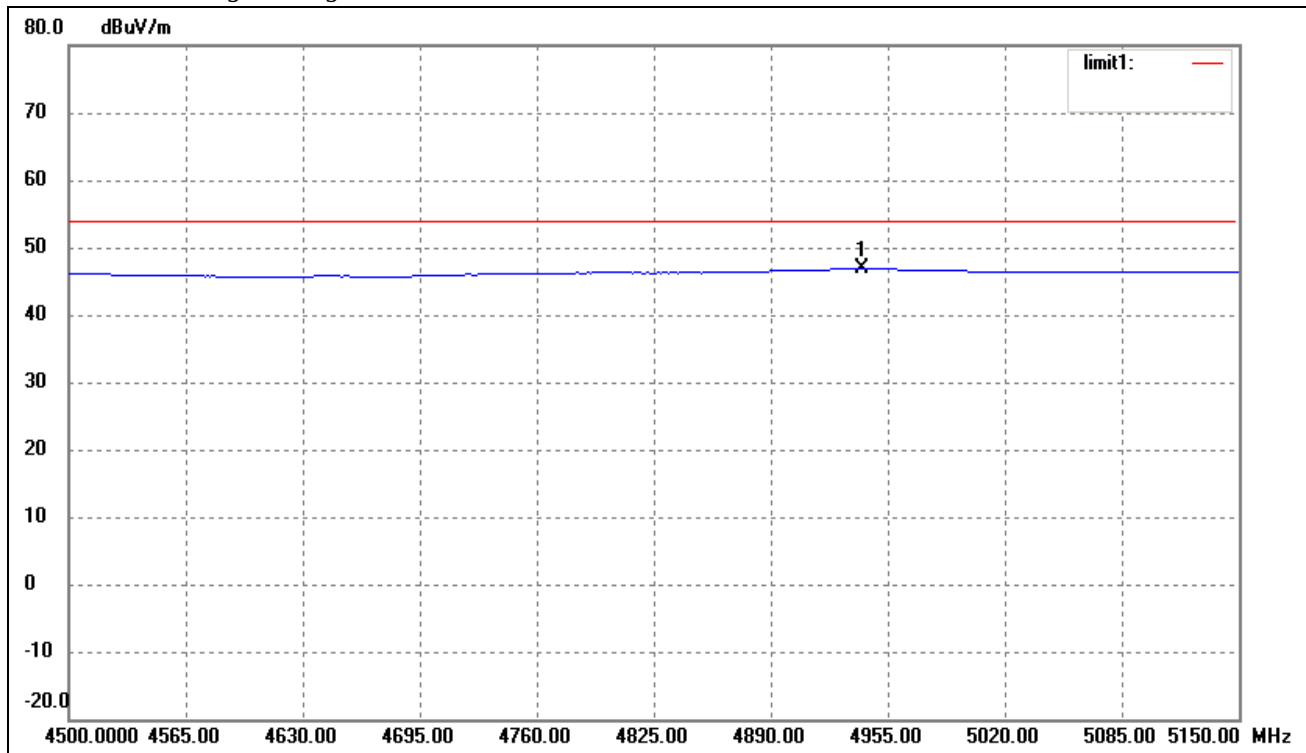
For the frequency band 5.15-5.25GHz(802.11n HT40)

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	4914.700	29.57	30.66	60.23	74.00	-13.77	360	100	peak

Restricted Bandedge Average



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
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.

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)										
10360	PK	49.4	360	V	40.7	10.9	39.6	61.4	74	-12.6
10360	PK	48.2	360	H	40.7	10.9	39.6	60.2	74	-13.8
10360	AV	33.3	360	V	40.7	10.9	39.6	45.3	54	-8.7
10360	AV	31.2	360	H	40.7	10.9	39.6	43.2	54	-10.8
High Channel (5240MHz)										
10480	PK	48.6	360	V	40.7	10.9	39.6	60.6	74	-13.4
10480	PK	47.4	360	H	40.7	10.9	39.6	59.4	74	-14.6
10480	AV	33.2	360	V	40.7	10.9	39.6	45.2	54	-8.8
10480	AV	31.7	360	H	40.7	10.9	39.6	43.7	54	-10.3

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-46.07	-27
Highest	Above 5350	-44.26	-27
Note: the data just list the worst cases			

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

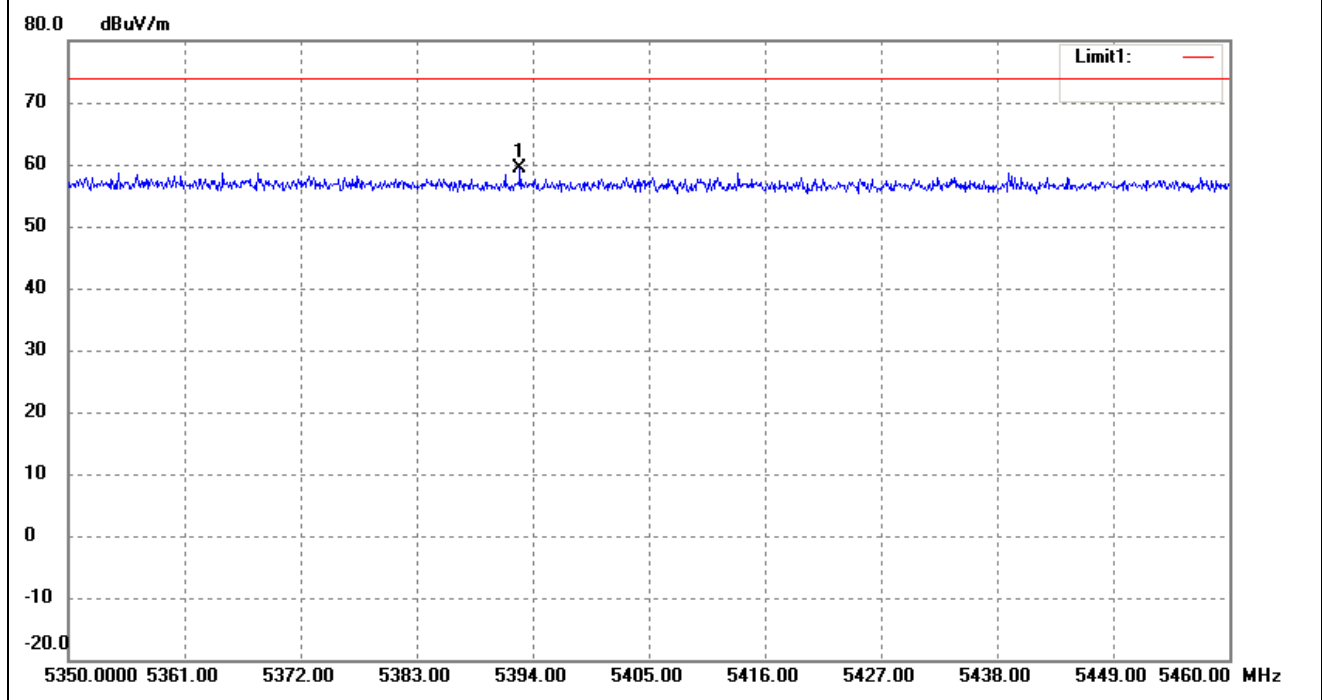
Harmonics And Spurious Emissions

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 (5270MHz)										
10540	PK	51.2	360	V	38.3	7.24	40.1	56.64	74	-17.36
10540	PK	53.7	360	H	38.3	7.24	40.1	59.14	74	-14.86
10540	AV	32.5	360	V	38.3	7.24	40.1	37.94	54	-16.06
10540	AV	35.9	360	H	38.3	7.24	40.1	41.34	54	-12.66
High Channel (5310MHz)										
10620	PK	49.8	360	V	38.3	7.24	40.1	55.24	74	-18.76
10620	PK	53.7	360	H	38.3	7.24	40.1	59.14	74	-14.86
10620	AV	32.6	360	V	38.3	7.24	40.1	38.04	54	-15.96
10620	AV	35.9	360	H	38.3	7.24	40.1	41.34	54	-12.66

Out of Band edge

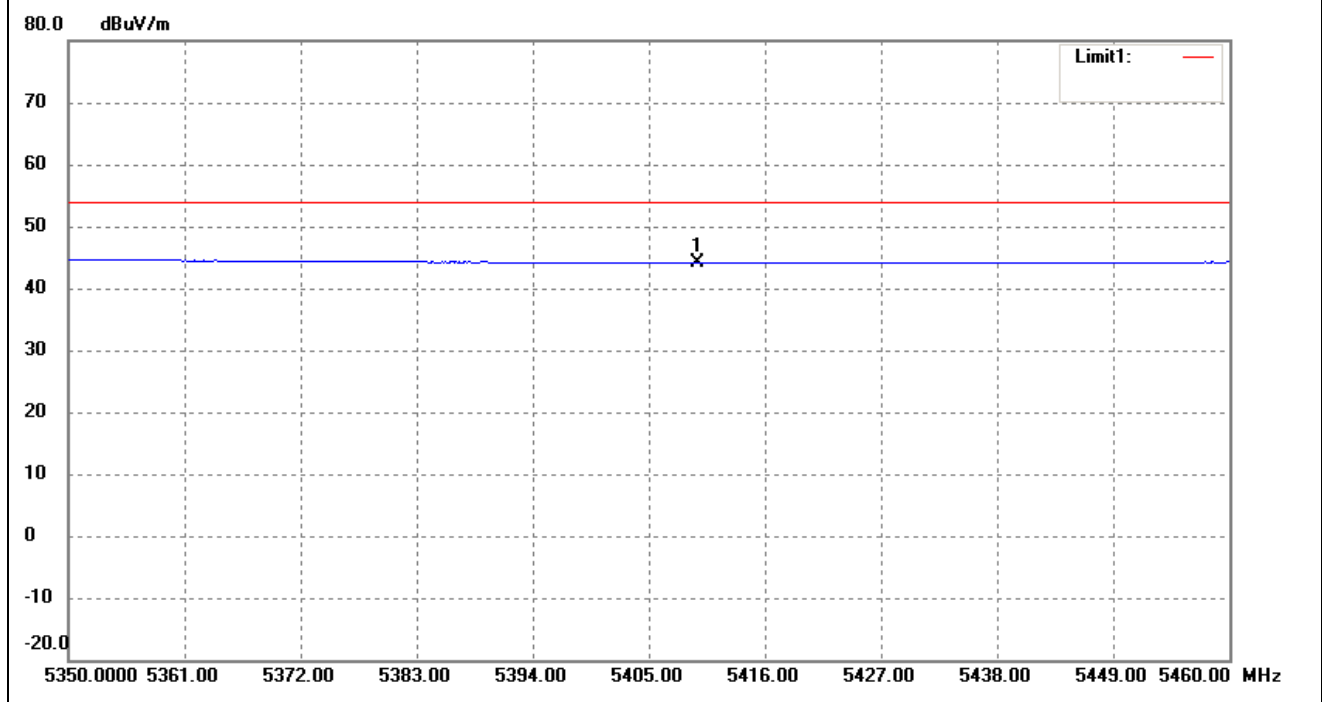
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.37	-27
Highest	Above 5350	-46.67	-27
Note: the data just list the worst cases			

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	5392.790	64.39	-5.06	59.33	74.00	-14.67	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	5409.620	49.26	-5.05	44.21	54.00	-9.79	360	100	peak

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

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 (5510MHz)										
11020	PK	48.8	360	V	38.5	8.35	40.1	55.55	74	-18.45
11020	PK	51.7	360	H	38.5	8.35	40.1	58.45	74	-15.55
11020	AV	31.9	360	V	38.5	8.35	40.1	38.65	54	-15.35
11020	AV	34.8	360	H	38.5	8.35	40.1	41.55	54	-12.45
High Channel (5670MHz)										
11340	PK	48.5	360	V	38.9	8.4	40.1	55.7	74	-18.3
11340	PK	51.7	360	H	38.9	8.4	40.1	58.9	74	-15.1
11340	AV	30.7	360	V	38.9	8.4	40.1	37.9	54	-16.1
11340	AV	32.6	360	H	38.9	8.4	40.1	39.8	54	-14.2

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-43.37	-27
Highest	Above 5725	-46.67	-27
Note: the data just list the worst cases			

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

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 (5745MHz)										
11490	PK	54.5	360	V	38.9	9.8	40.1	63.1	74	-10.9
11490	PK	53.3	360	H	38.9	9.8	40.1	61.9	74	-12.1
11490	AV	37.4	360	V	38.9	9.8	40.1	46.0	54	-8.0
11490	AV	36.6	360	H	38.9	9.8	40.1	45.2	54	-8.8
High Channel (5805MHz)										
11610	PK	53.1	360	V	38.9	9.8	40.1	61.7	74	-12.3
11610	PK	53.8	360	H	38.9	9.8	40.1	62.4	74	-11.6
11610	AV	37.3	360	V	38.9	9.8	40.1	45.9	54	-8.1
11610	AV	36.4	360	H	38.9	9.8	40.1	45.0	54	-9.0

Out of Band edge

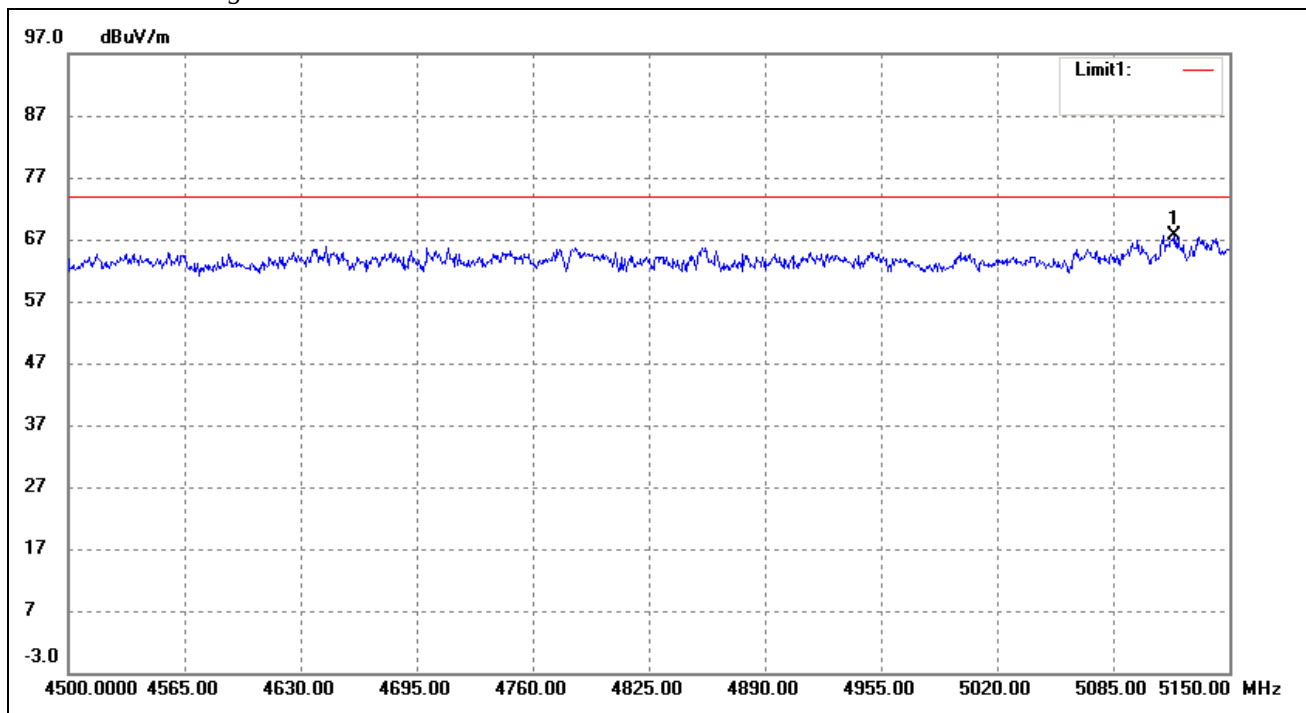
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-45.78	-27
	5715 to 5725	-43.37	-17
Highest	5850 to 5860	-46.87	-17
	Above 5860	-47.62	-27

Note: the data just list the worst cases

802.11ac HT80

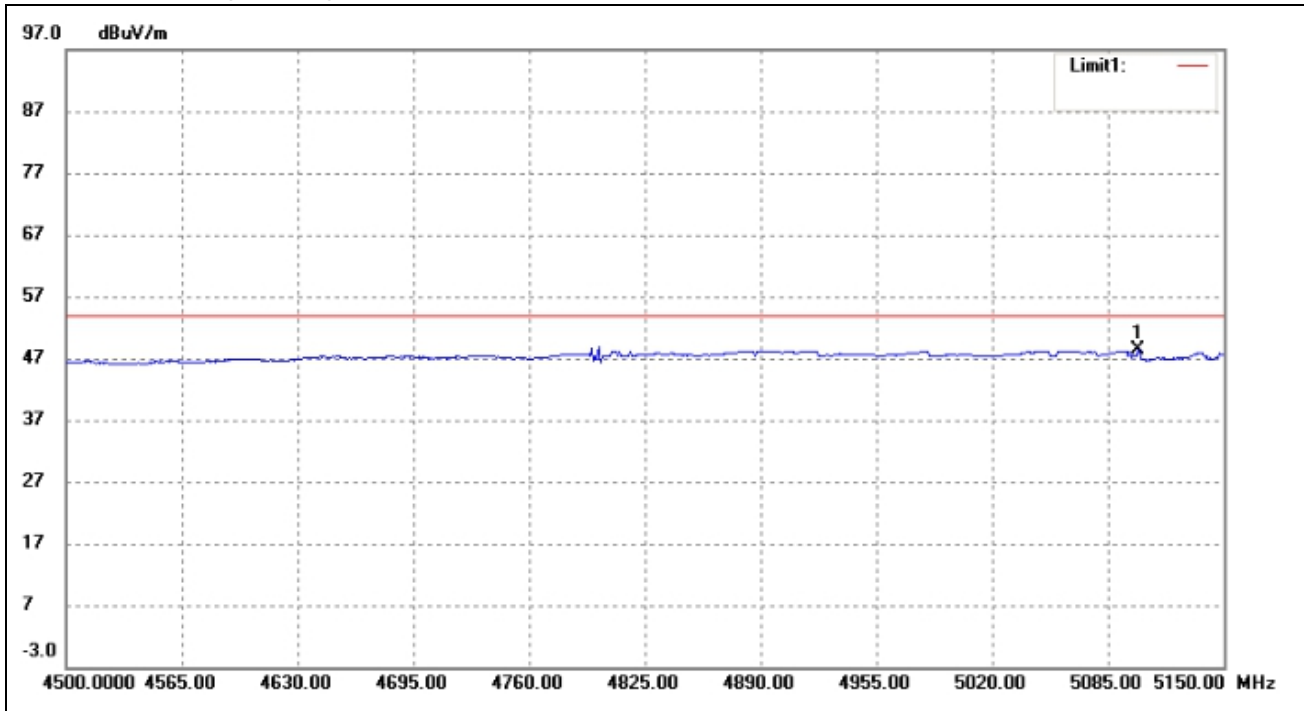
For the frequency band 5.15-5.25GHz(802.11ac HT80)

Restricted Bandedge Peak



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	5119.450	67.80	-0.20	67.60	74.00	-6.40	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	5101.900	48.60	-0.25	48.35	54.00	-5.65	360	100	Ave

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

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)										
10360	PK	50.13	360	V	40.7	10.9	39.6	62.13	74	-11.87
10360	PK	50.69	360	H	40.7	10.9	39.6	62.69	74	-11.31
10360	AV	30.66	360	V	40.7	10.9	39.6	42.66	54	-11.34
10360	AV	32.51	360	H	40.7	10.9	39.6	44.51	54	-9.49
High Channel (5240MHz)										
10480	PK	49.86	360	V	40.7	10.9	39.6	61.86	74	-12.14
10480	PK	51.37	360	H	40.7	10.9	39.6	63.37	74	-10.63
10480	AV	31.59	360	V	40.7	10.9	39.6	43.59	54	-10.41
10480	AV	33.46	360	H	40.7	10.9	39.6	45.46	54	-8.54

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-44.53	-27
Highest	Above 5350	-43.07	-27
Note: the data just list the worst cases			

For the frequency band 5.250-5.350GHz (802.11n HT80)

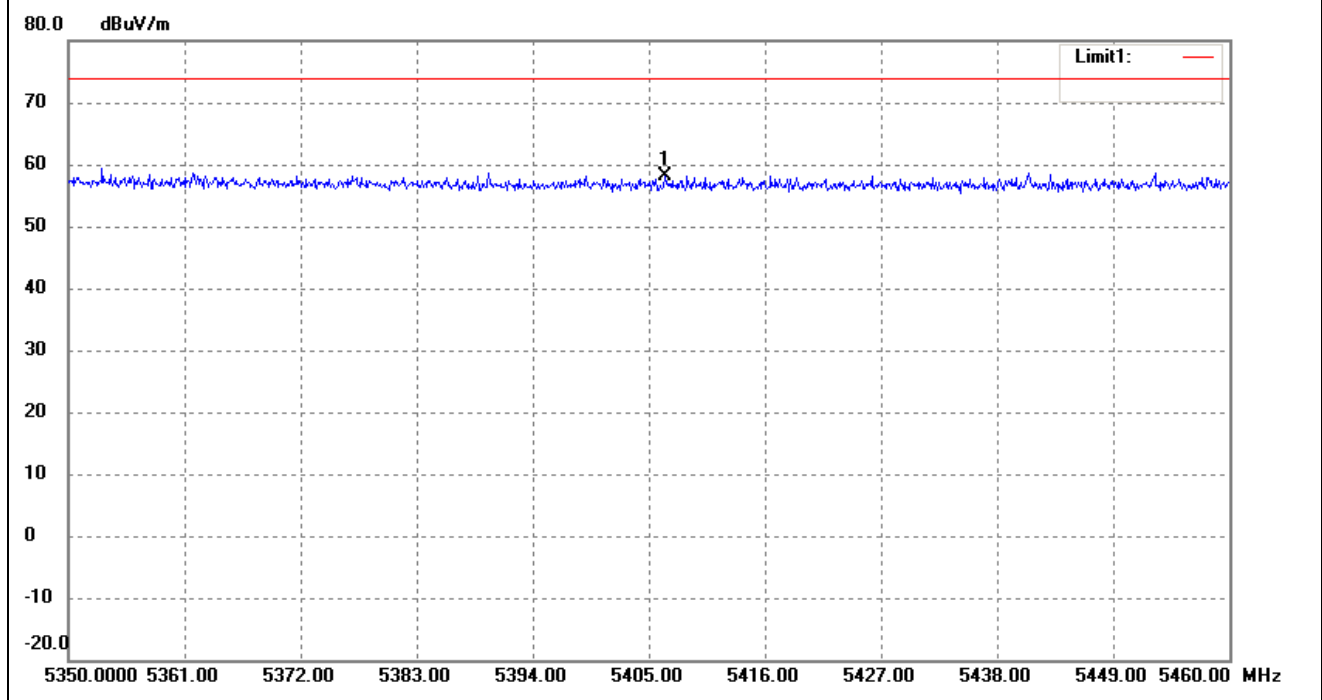
Harmonics And Spurious Emissions

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
5290MHz										
10580	PK	49.5	360	V	38.3	7.24	40.1	54.94	74	-19.06
10580	PK	51.8	360	H	38.3	7.24	40.1	57.24	74	-16.76
10580	AV	30.1	360	V	38.3	7.24	40.1	35.54	54	-18.46
10580	AV	33.6	360	H	38.3	7.24	40.1	39.04	54	-14.96

Out of Band edge

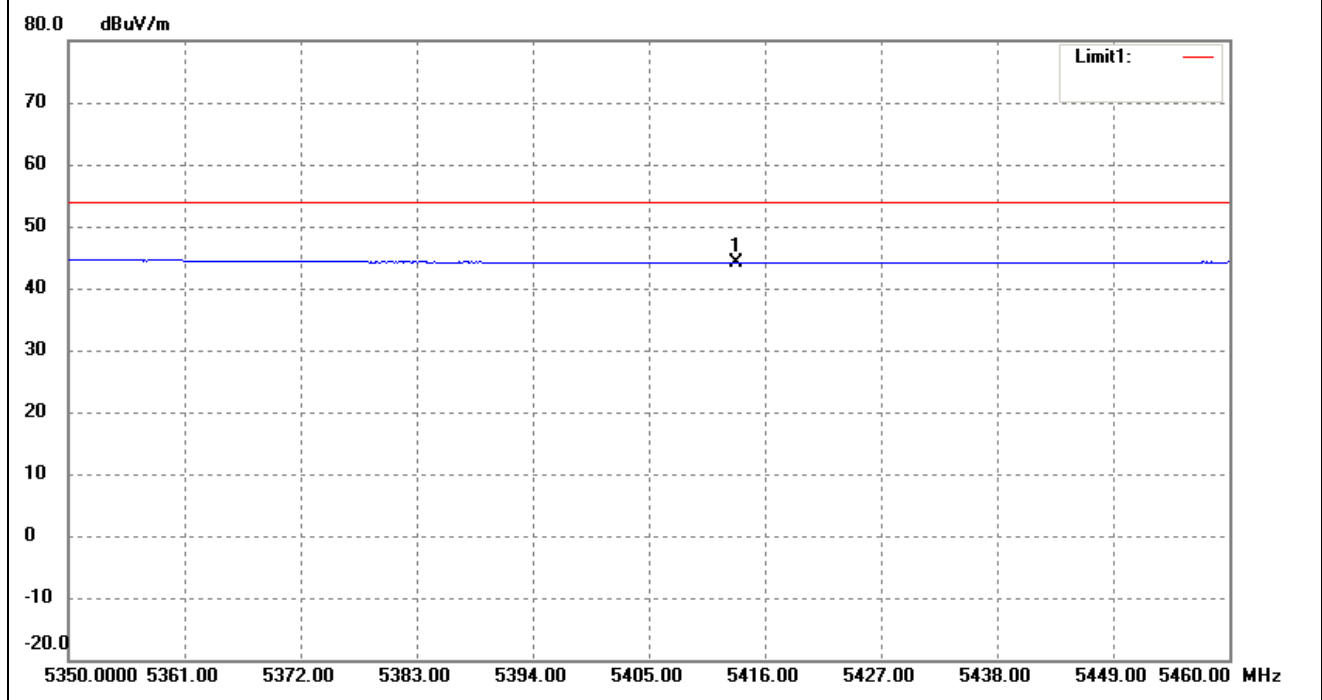
Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.37	-27
Highest	Above 5350	-46.67	-27
Note: the data just list the worst cases			

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	5406.540	63.28	-5.06	58.22	74.00	-15.78	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	5413.250	49.25	-5.05	44.20	54.00	-9.80	360	100	peak

For the frequency band 5.470-5.725GHz (802.11n HT80)

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 (5530MHz)										
11060	PK	47.6	360	V	38.5	8.35	40.1	54.35	74	-19.65
11060	PK	49.8	360	H	38.5	8.35	40.1	56.55	74	-17.45
11060	AV	30.3	360	V	38.5	8.35	40.1	37.05	54	-16.95
11060	AV	34.2	360	H	38.5	8.35	40.1	40.95	54	-13.05
High Channel (5690MHz)										
11380	PK	46.2	360	V	38.9	8.4	40.1	53.4	74	-20.6
11380	PK	49.8	360	H	38.9	8.4	40.1	57.0	74	-17.0
11380	AV	29.7	360	V	38.9	8.4	40.1	36.9	54	-17.1
11380	AV	33.4	360	H	38.9	8.4	40.1	40.6	54	-13.4

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-43.37	-27
Highest	Above 5725	-46.67	-27
Note: the data just list the worst cases			

For the frequency band 5.725-5.850GHz(802.11ac HT80)

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
5775MHz										
11550	PK	50.32	360	V	38.9	9.8	40.1	58.92	74	-15.08
11550	PK	51.47	360	H	38.9	9.8	40.1	60.07	74	-13.93
11550	AV	35.89	360	V	38.9	9.8	40.1	44.49	54	-9.51
11550	AV	31.62	360	H	38.9	9.8	40.1	40.22	54	-13.78

Out of Band edge

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-46.27	-27
	5715 to 5725	-45.72	-17
Highest	5850 to 5860	-44.80	-17
	Above 5860	-46.21	-27

Note: the data just list the worst cases

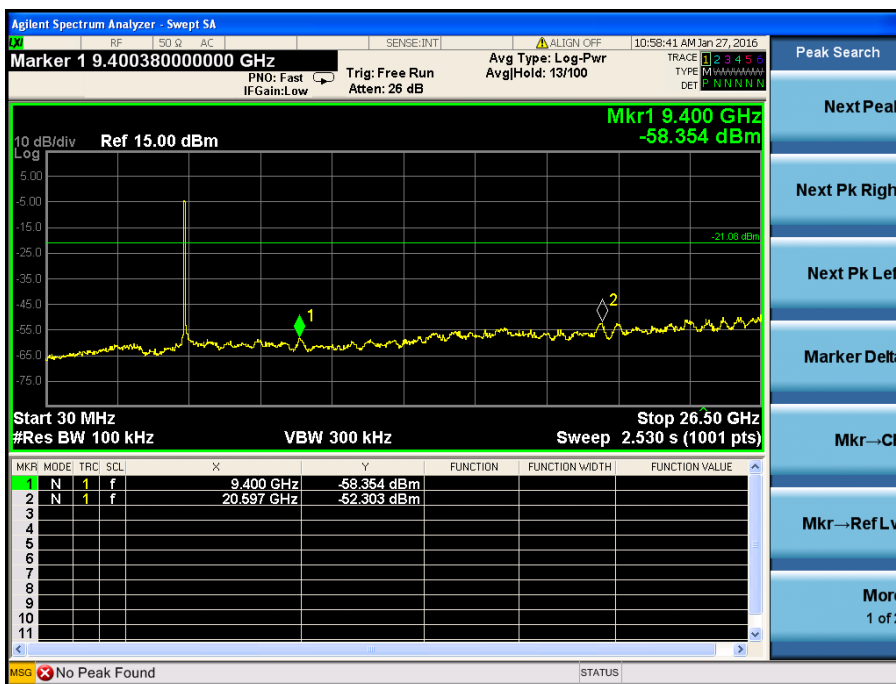
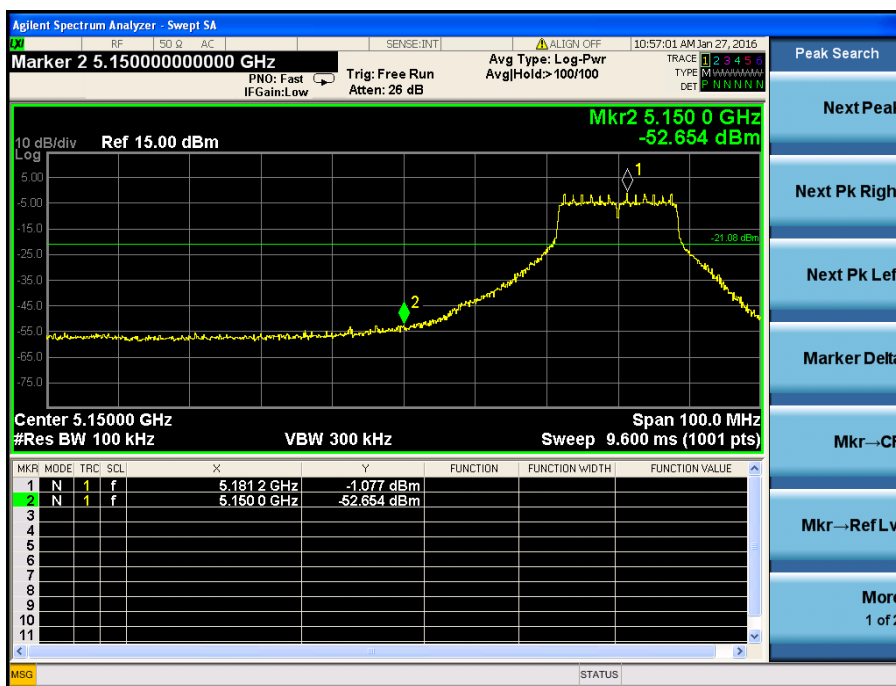
Note: Testing is carried out with frequency rang 9kHz to 40GHz, which above 3th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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

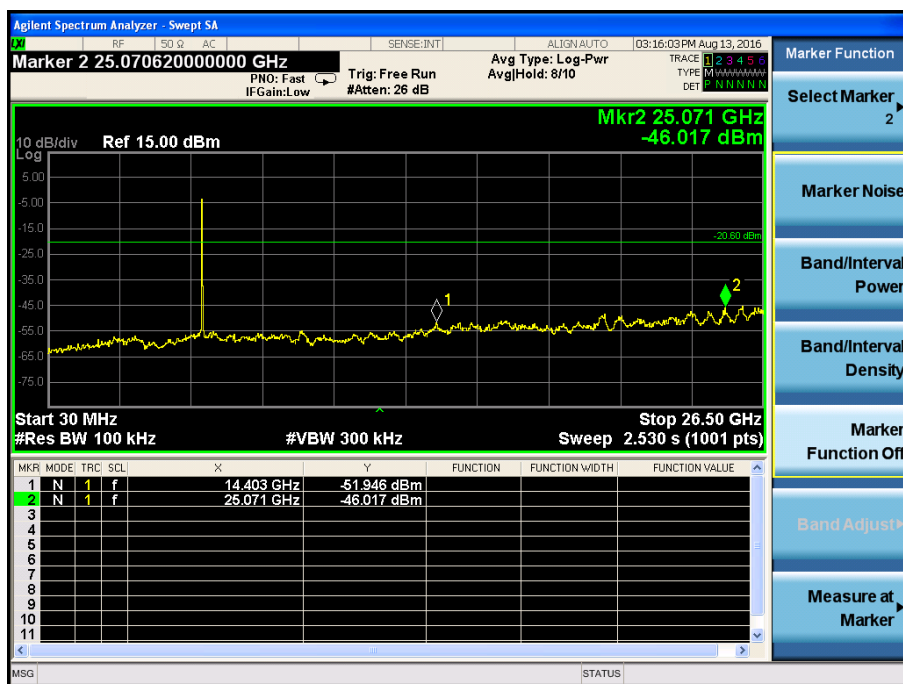
Antenna 1

802.11a Bandedge (Conducted)

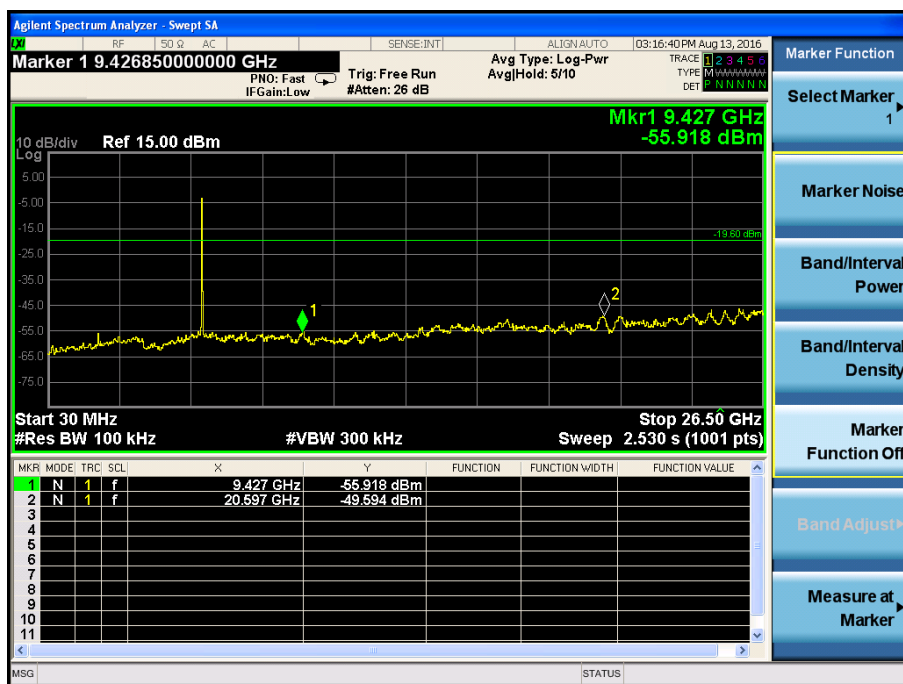
5180MHz



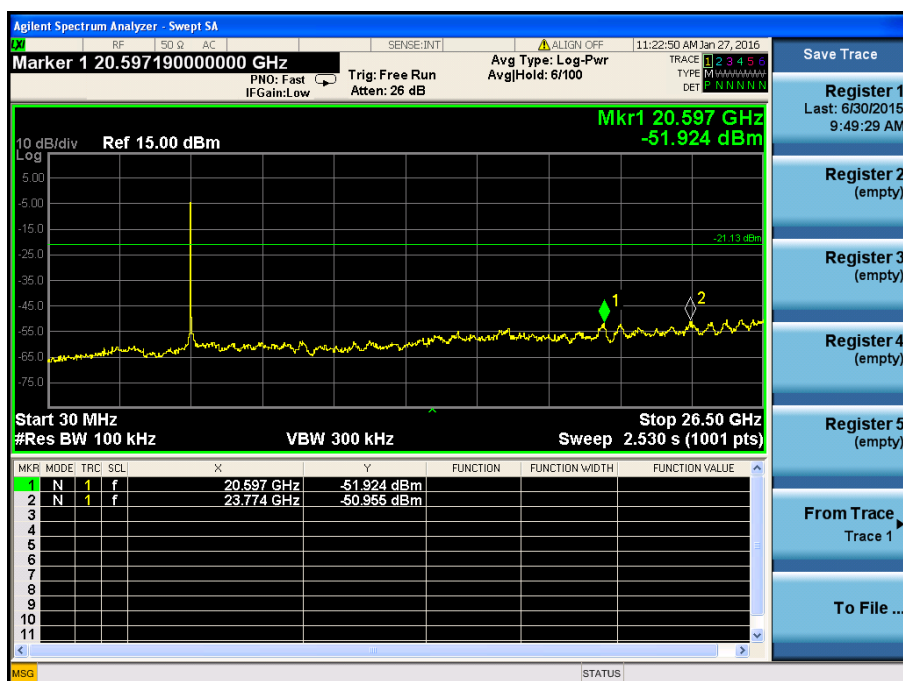
5240MHz



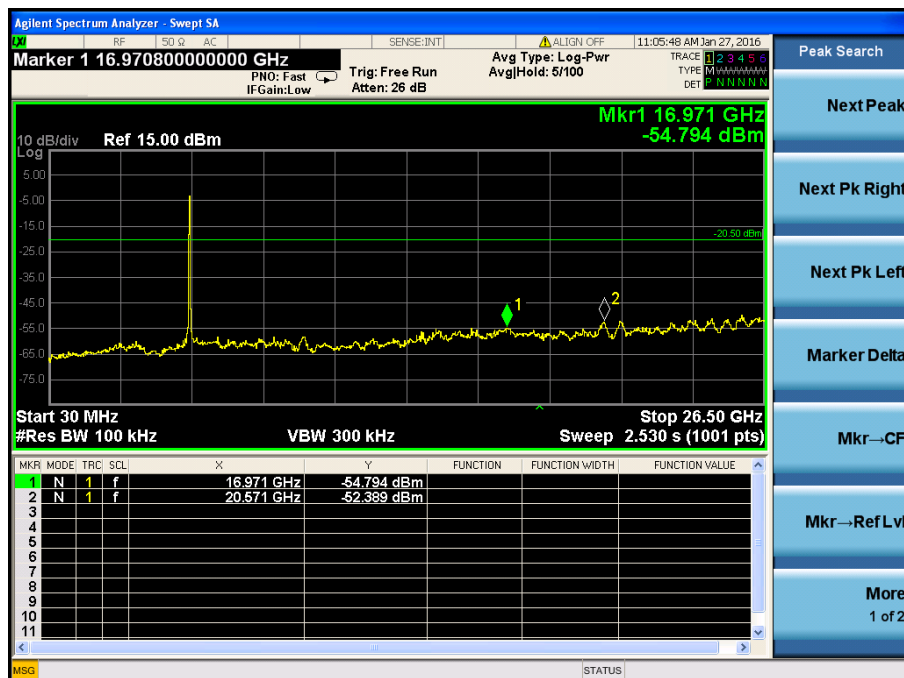
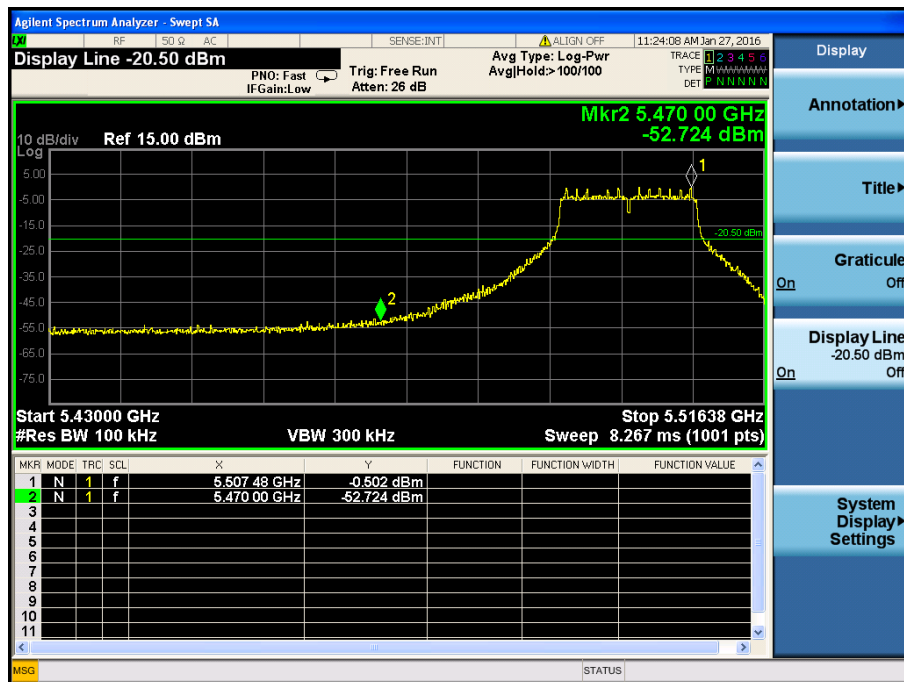
5260MHz



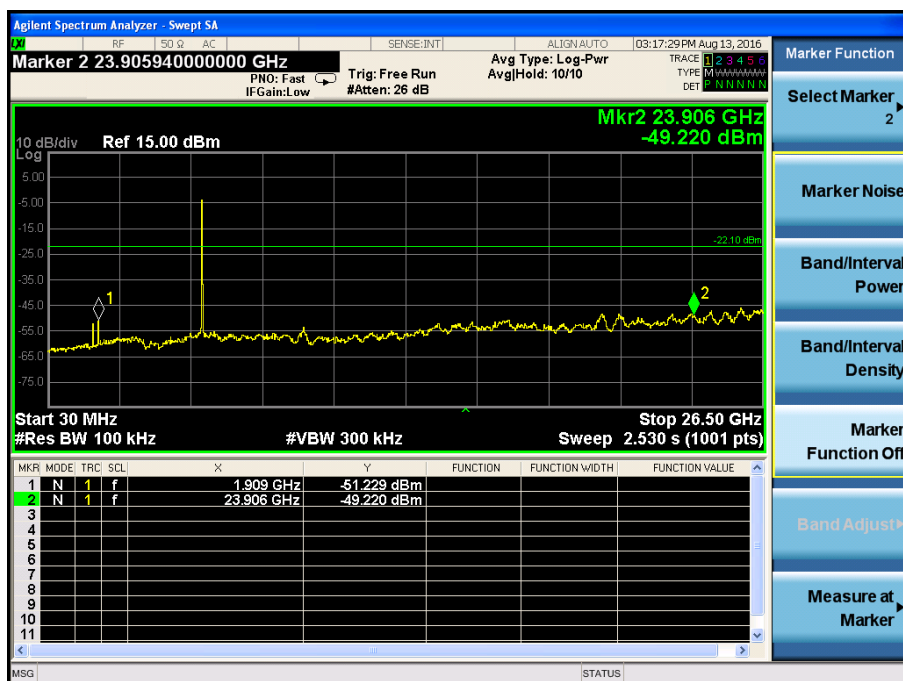
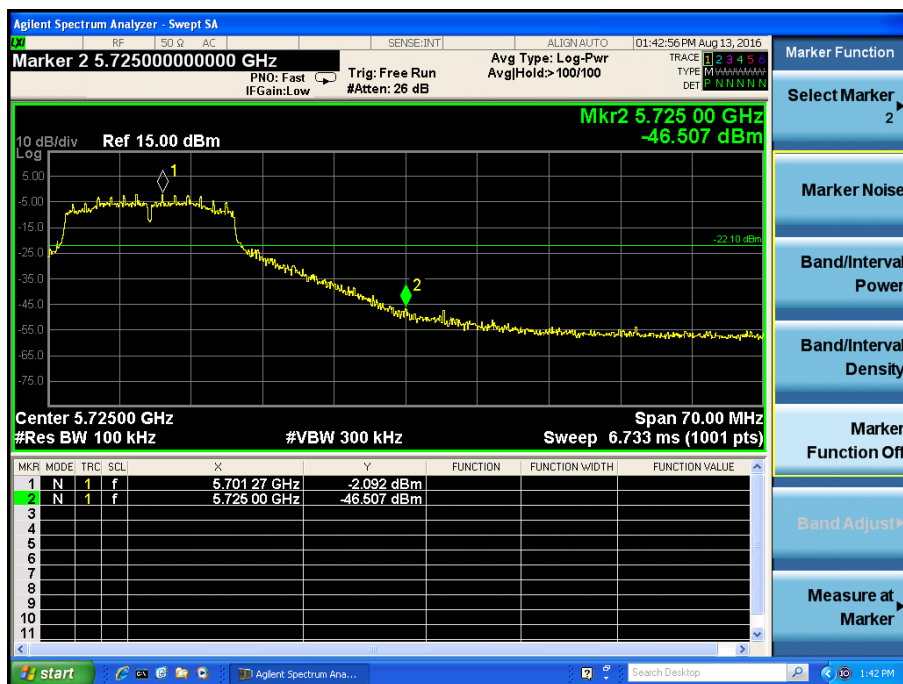
5320MHz



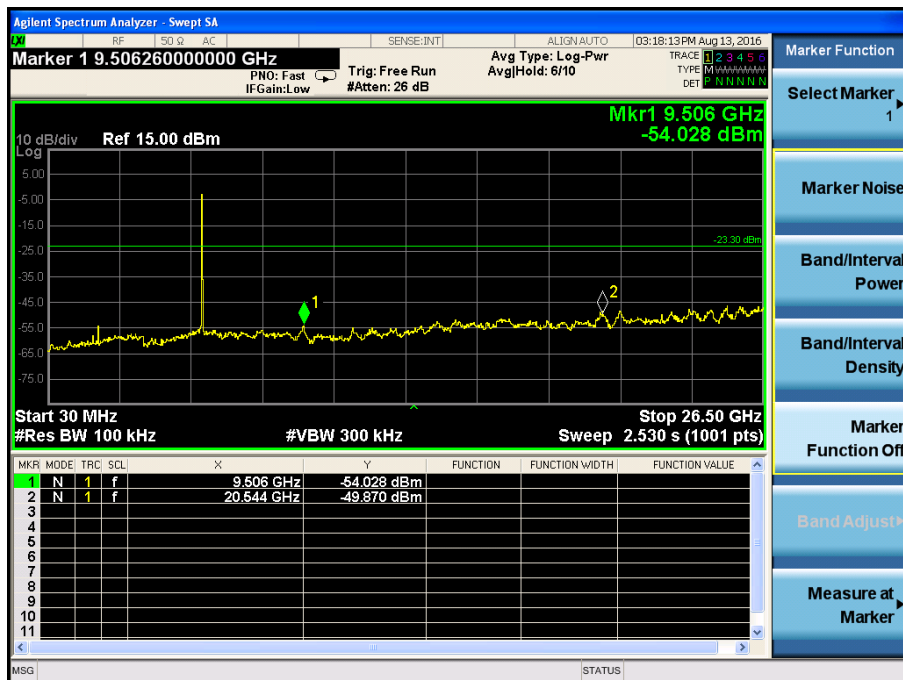
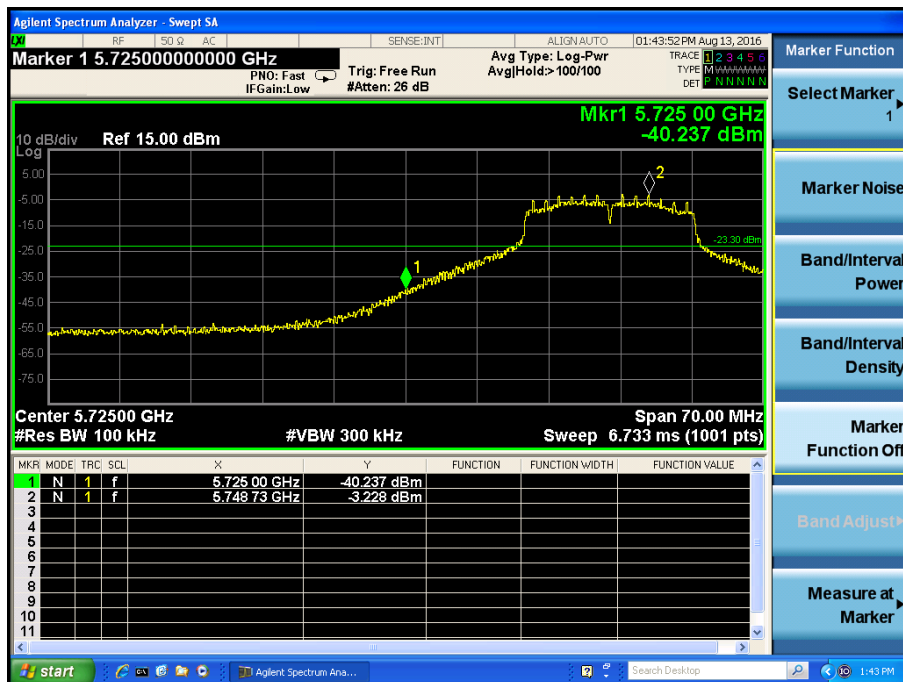
5500MHz



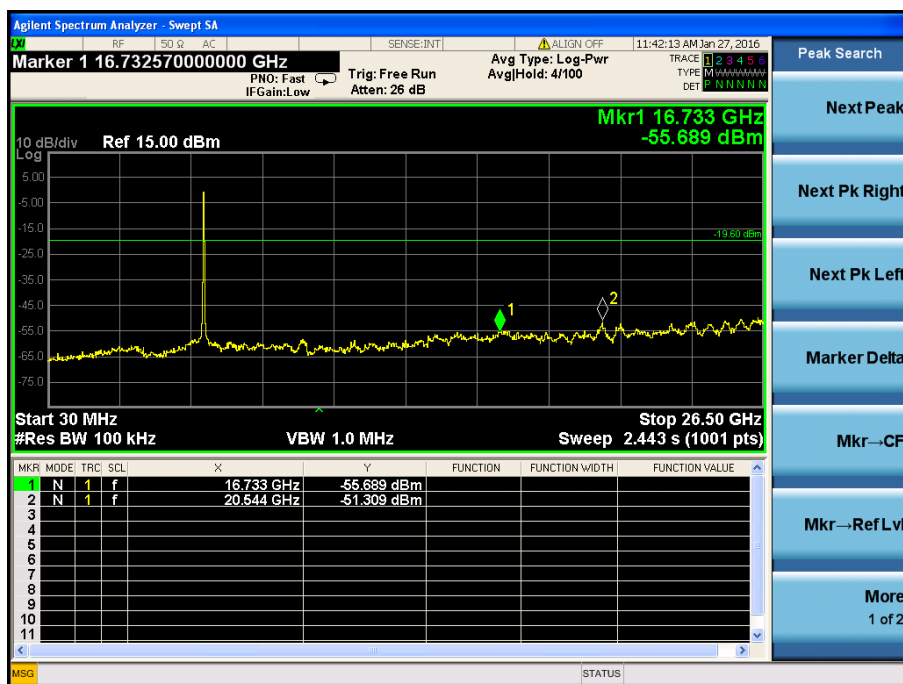
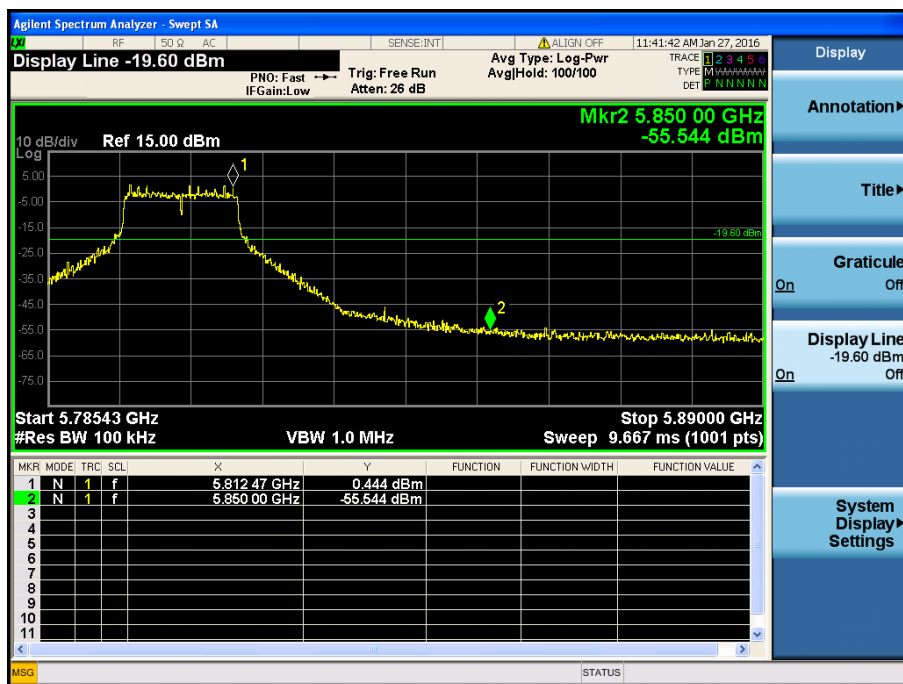
5700MHz



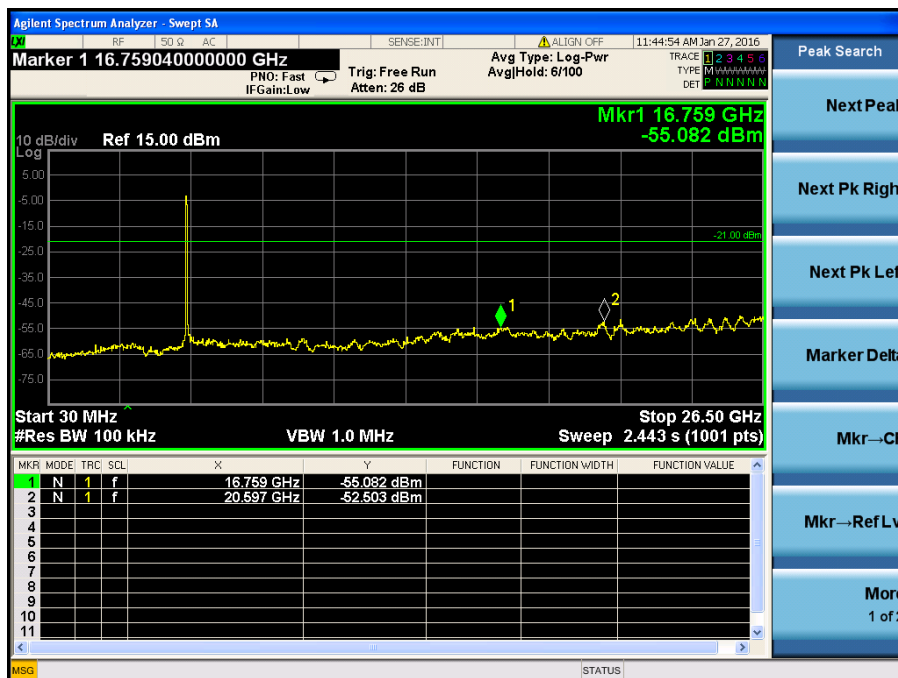
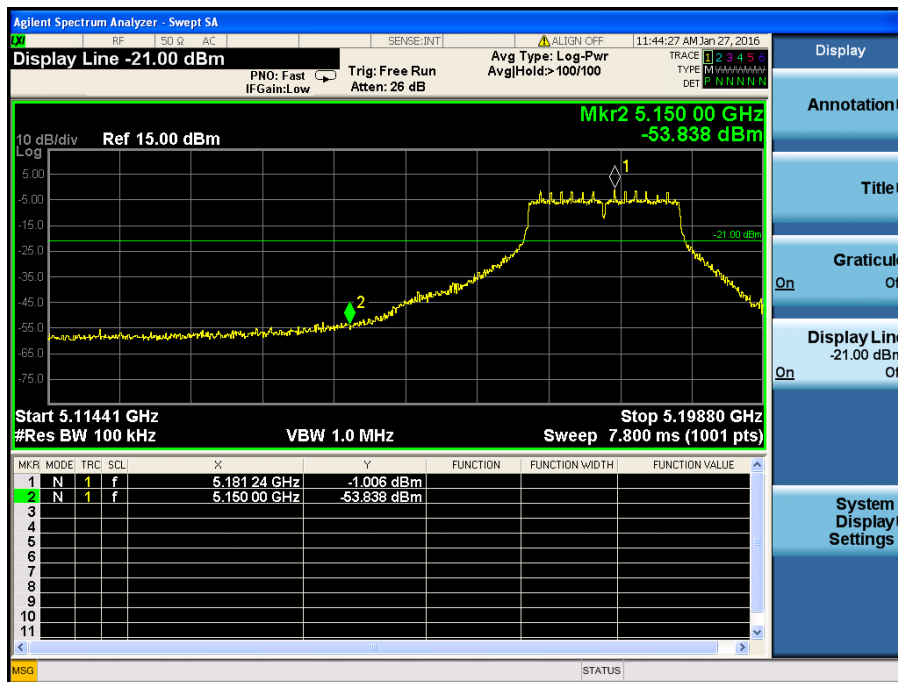
5745MHz



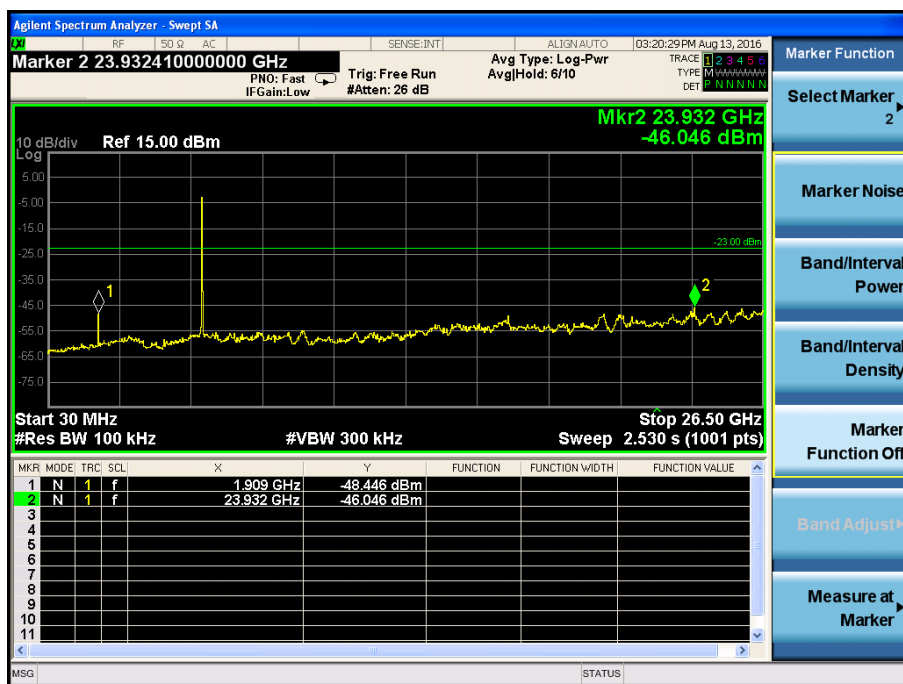
5825MHz



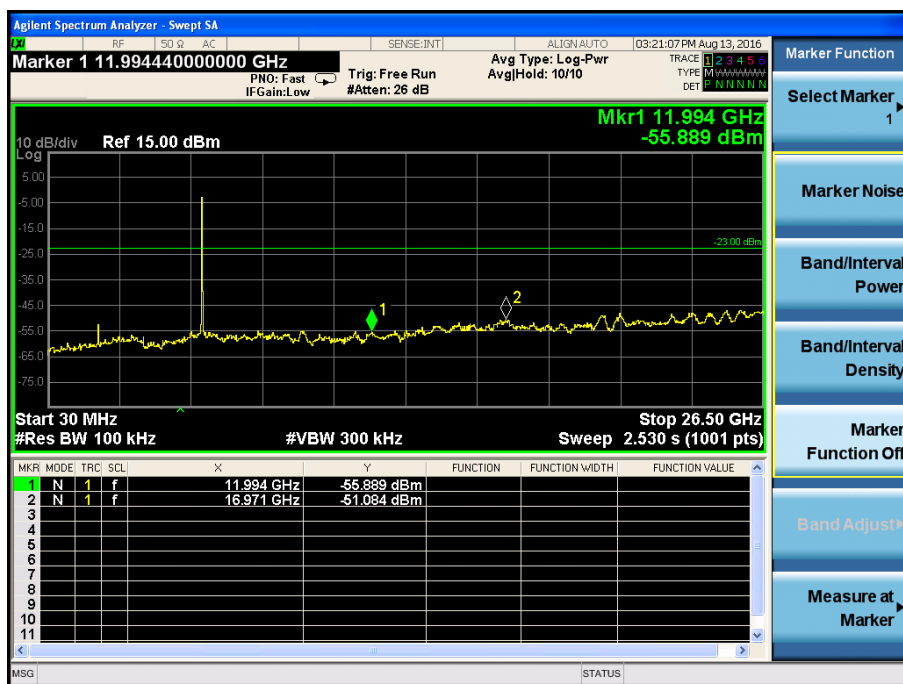
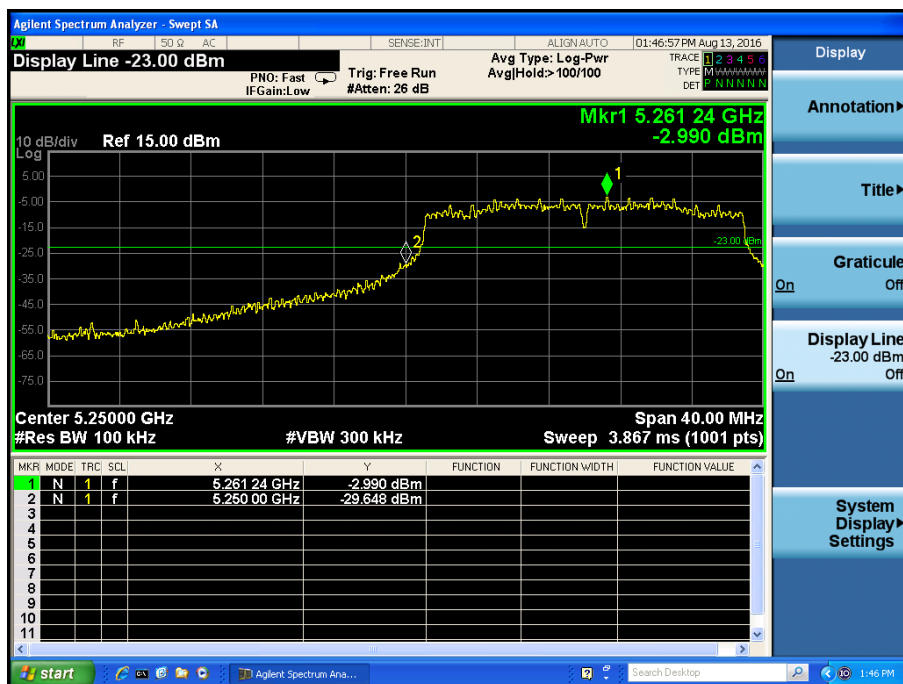
802.11n-HT20 Bandedge (Conducted)
5180MHz



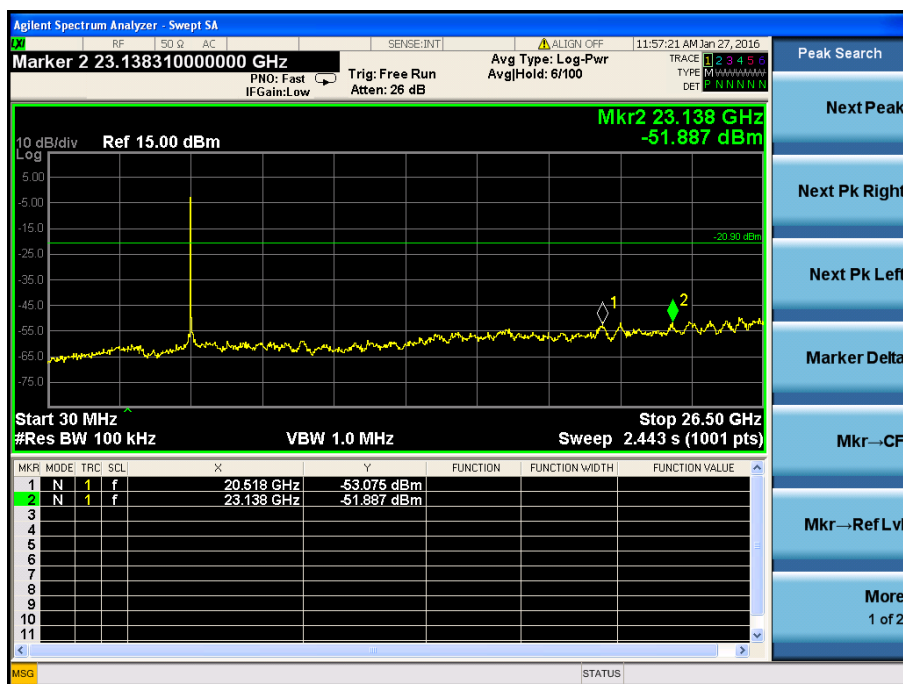
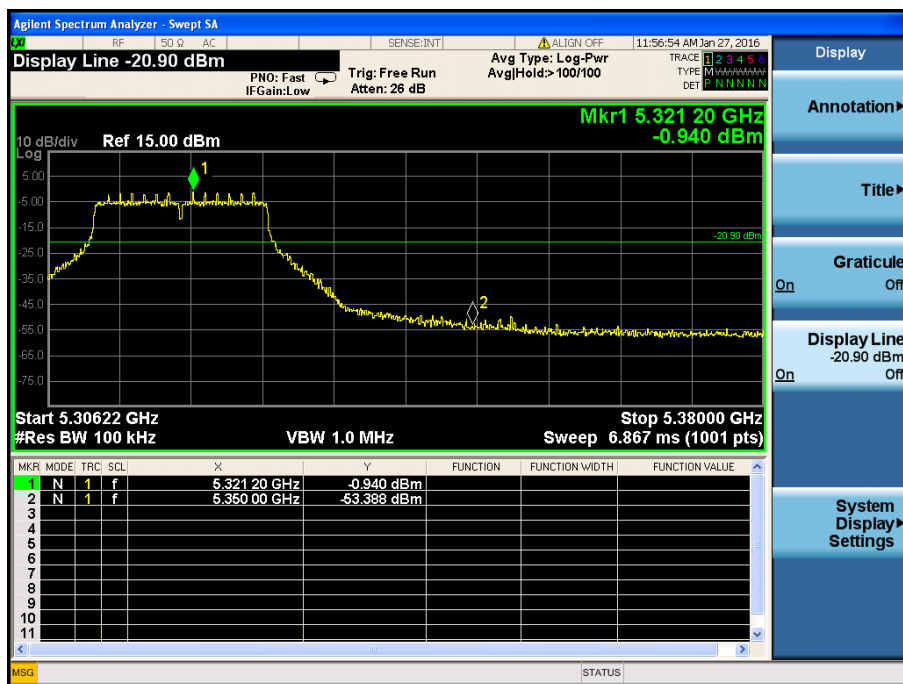
5240MHz



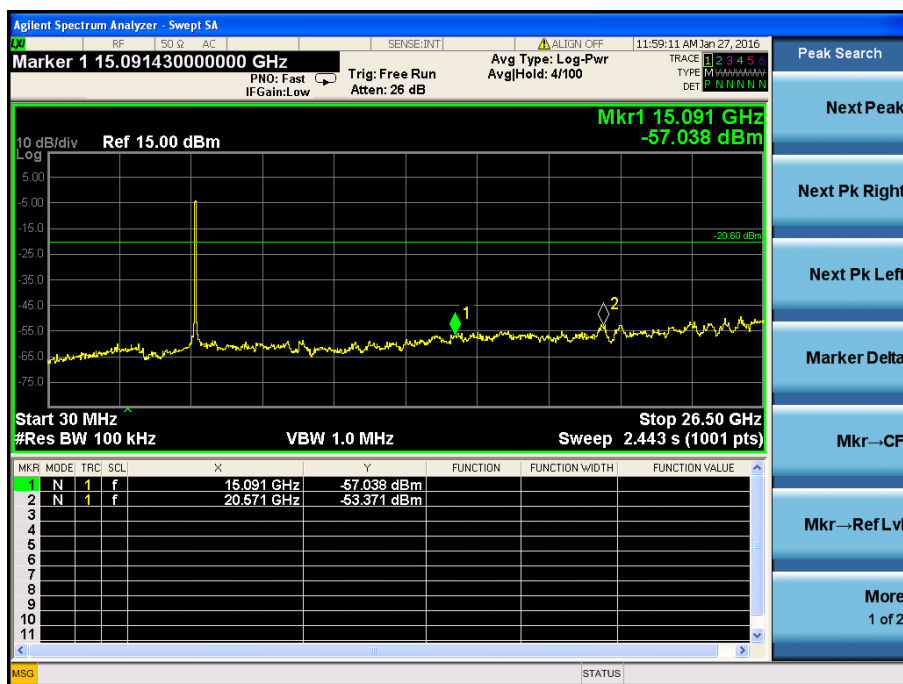
5260MHz



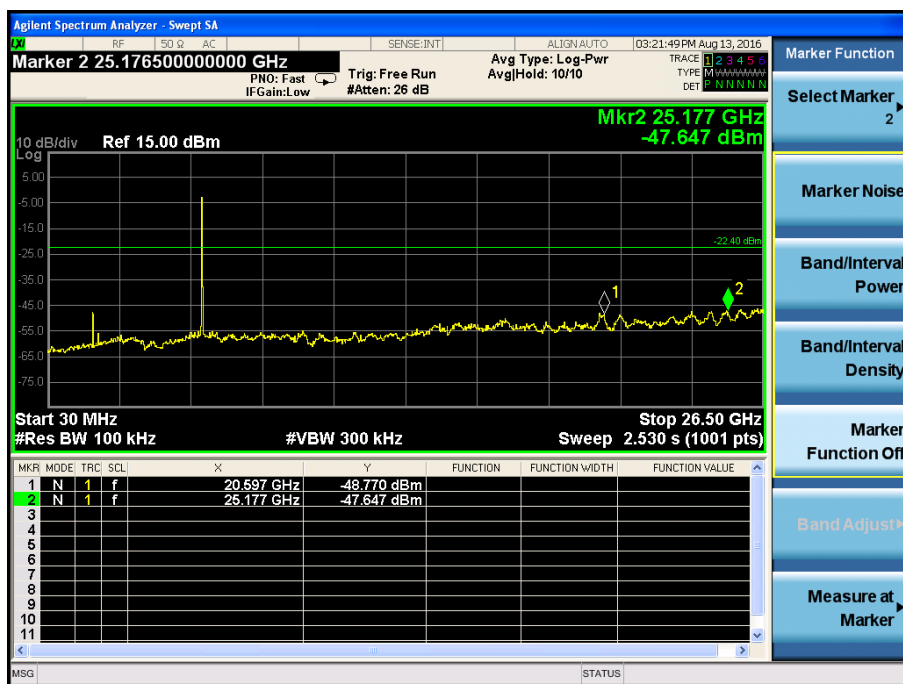
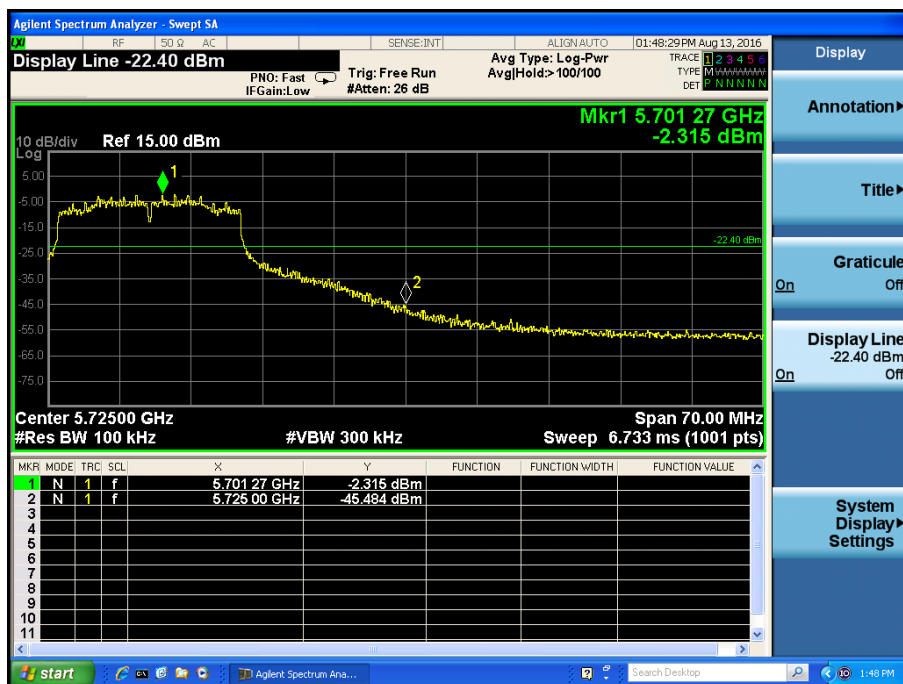
5320MHz



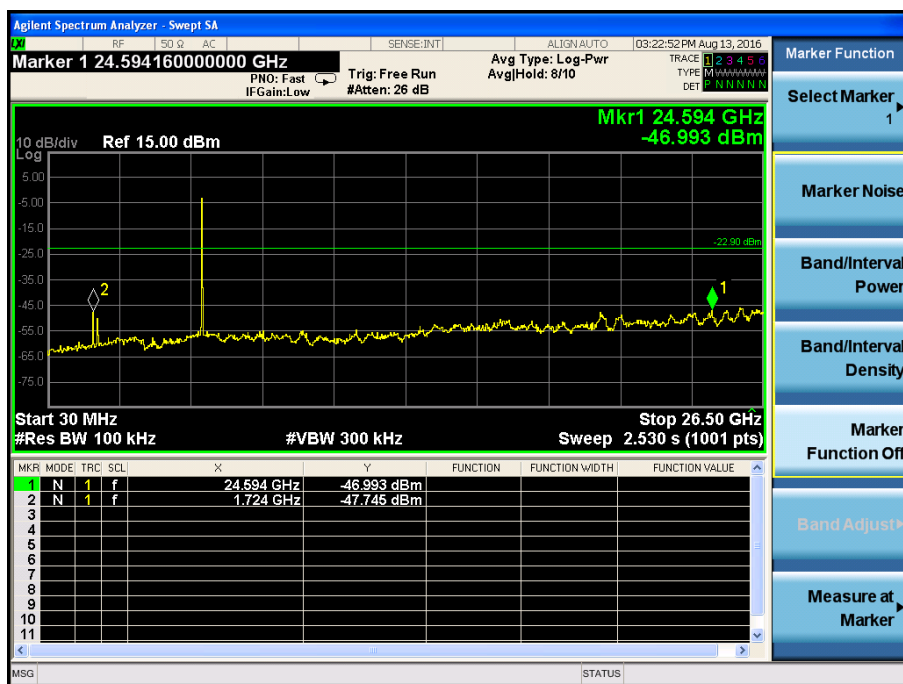
5500MHz

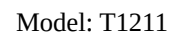
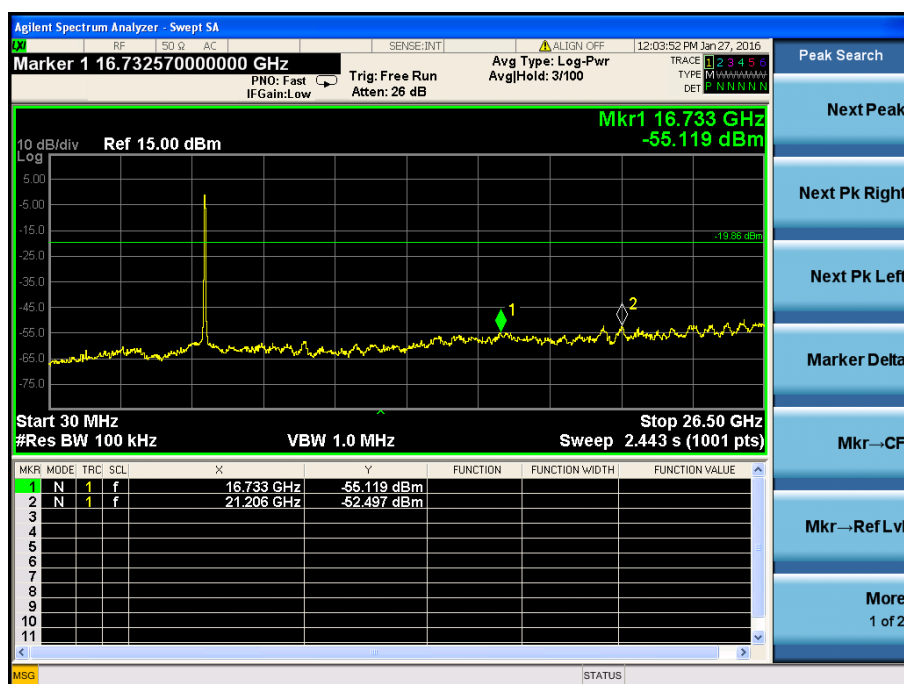


5700MHz

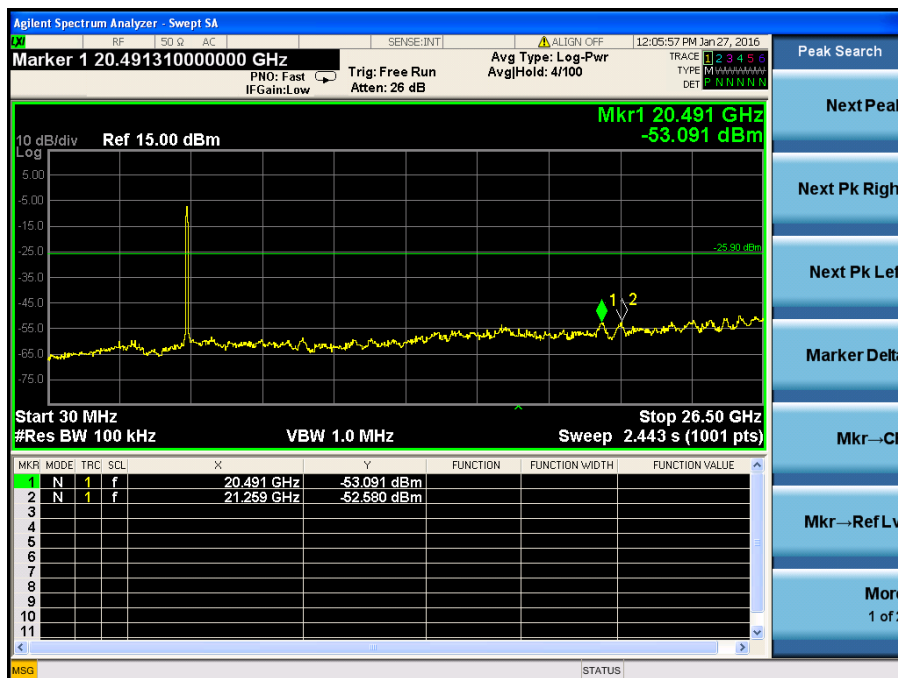
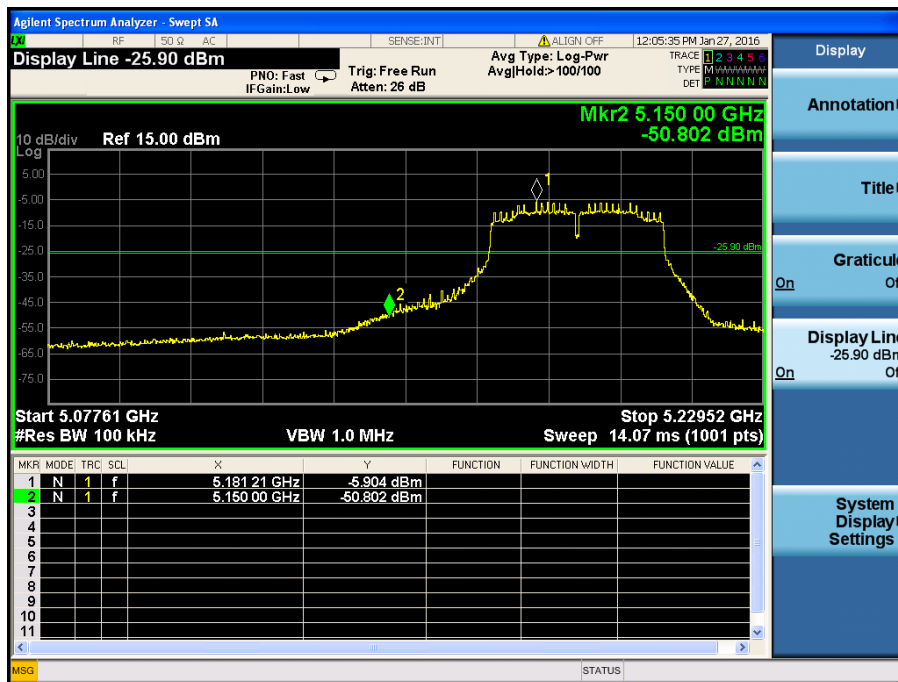


5745MHz

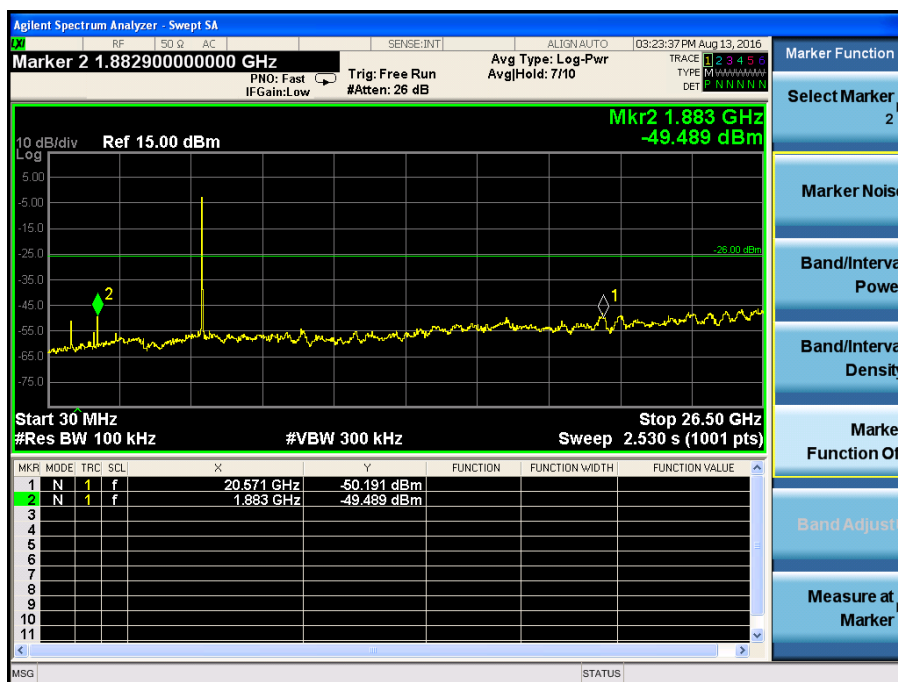


[illegible]

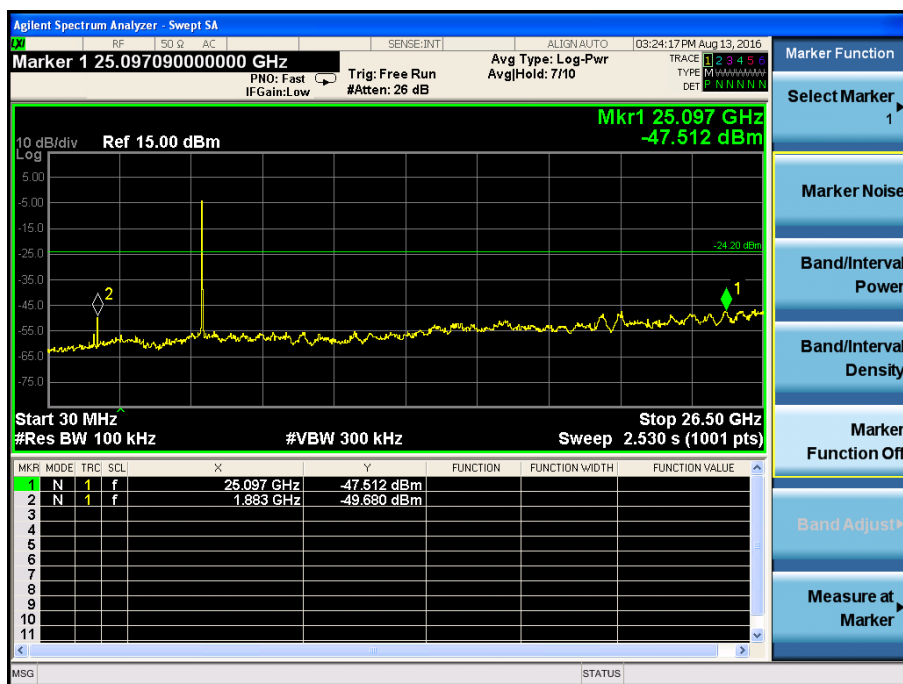
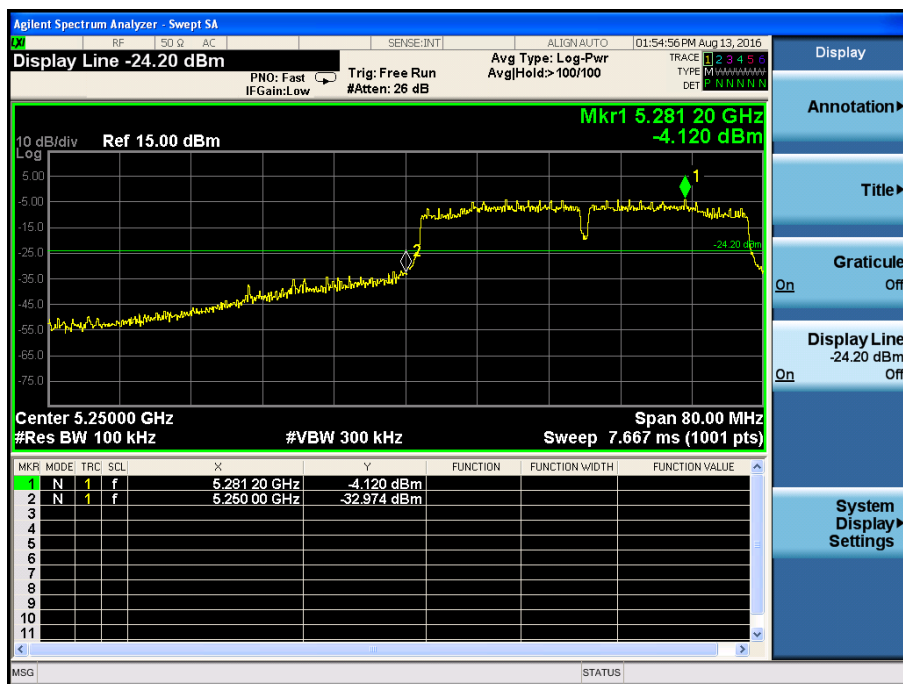
802.11n-HT40 Bandedge (Conducted)
5190MHz



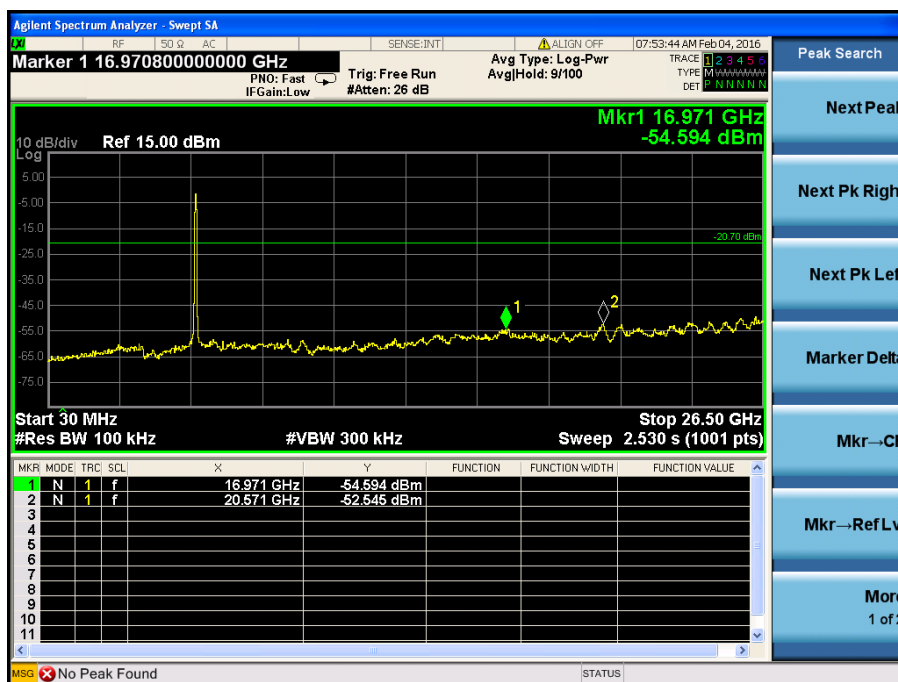
5230MHz



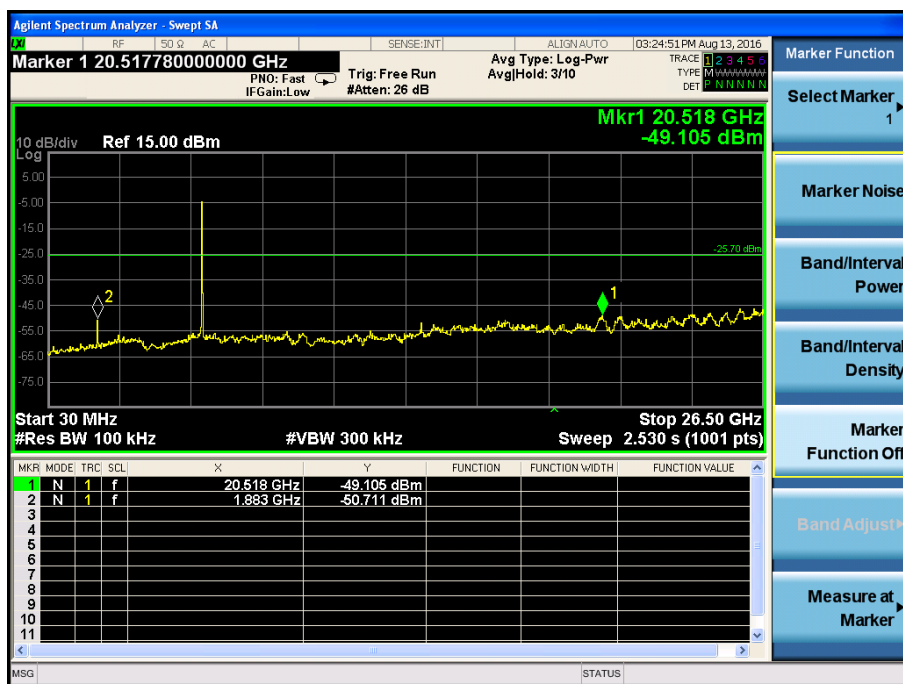
5270MHz



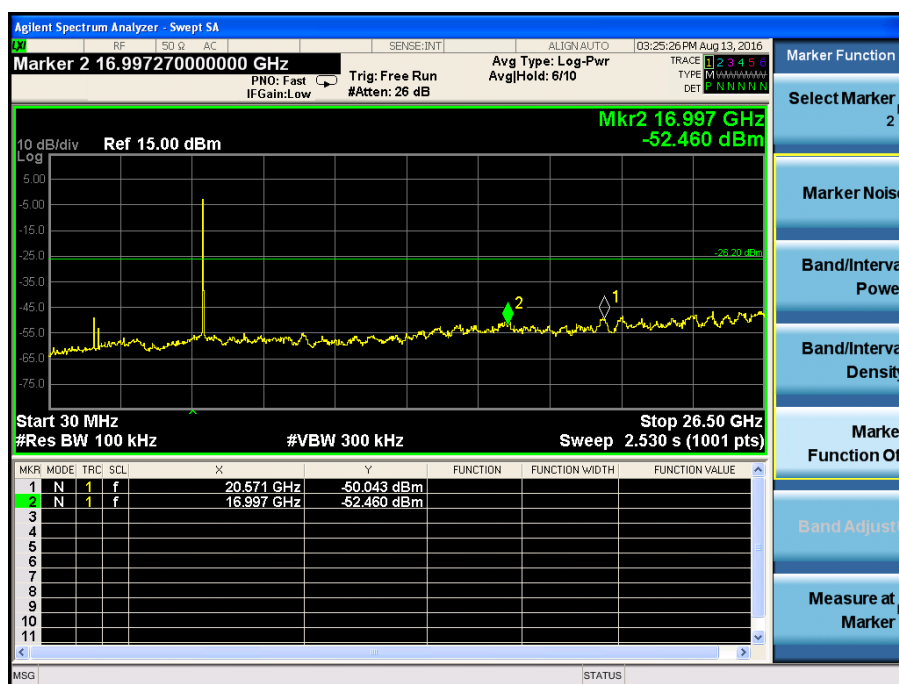
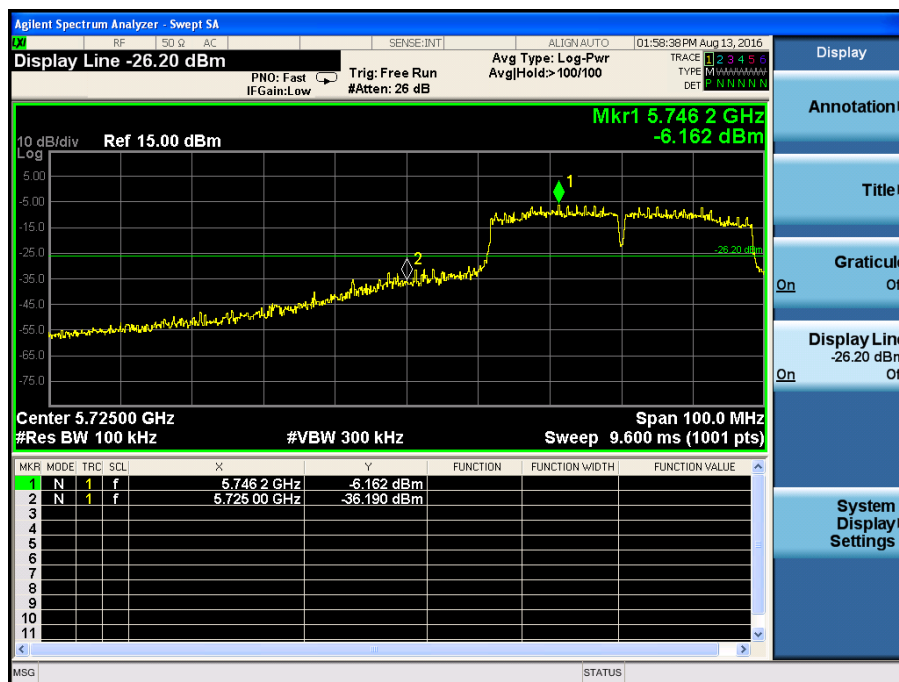
5510MHz



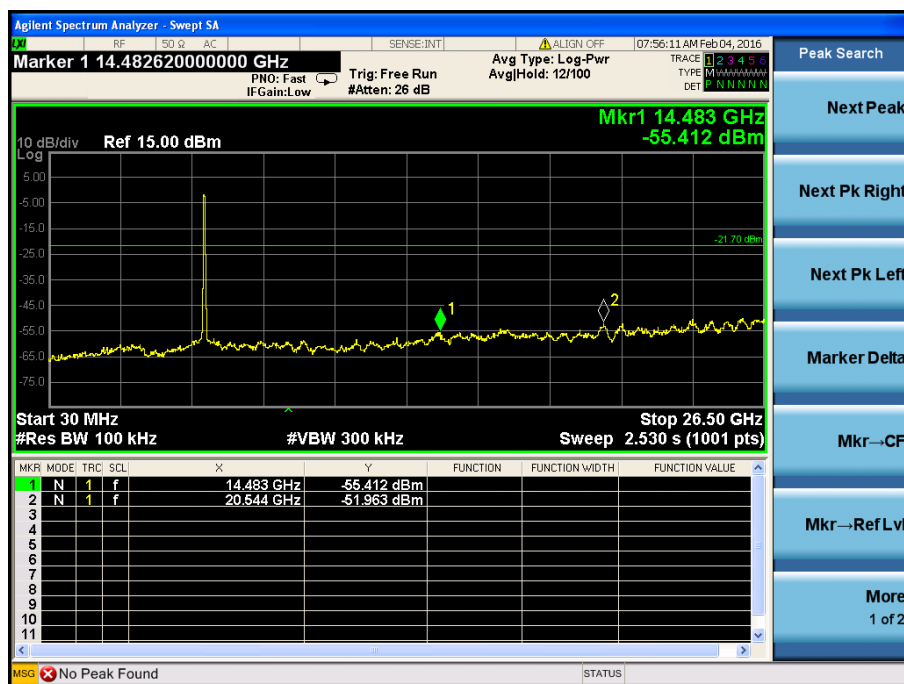
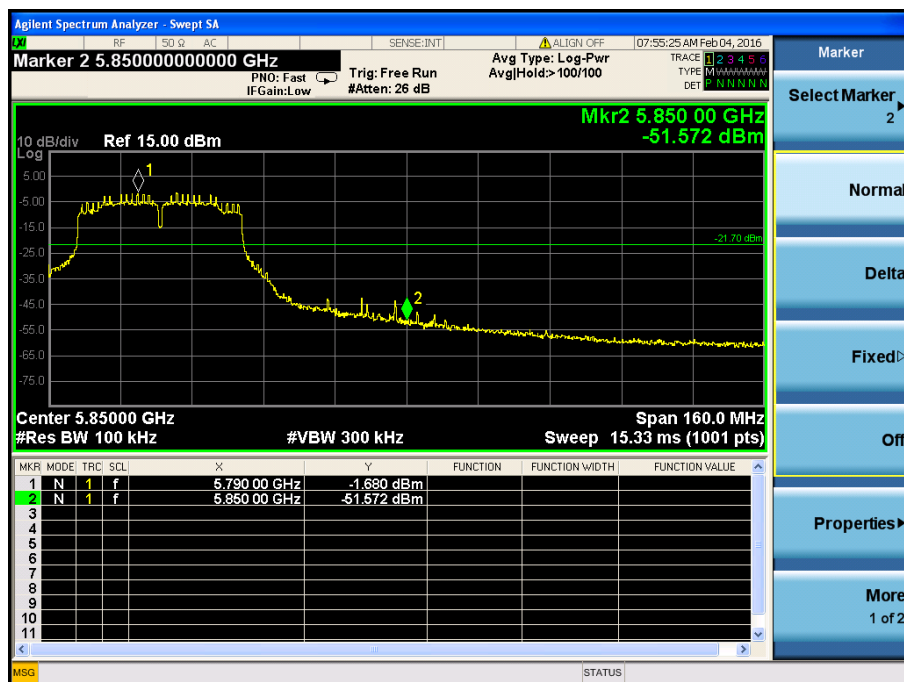
5670MHz



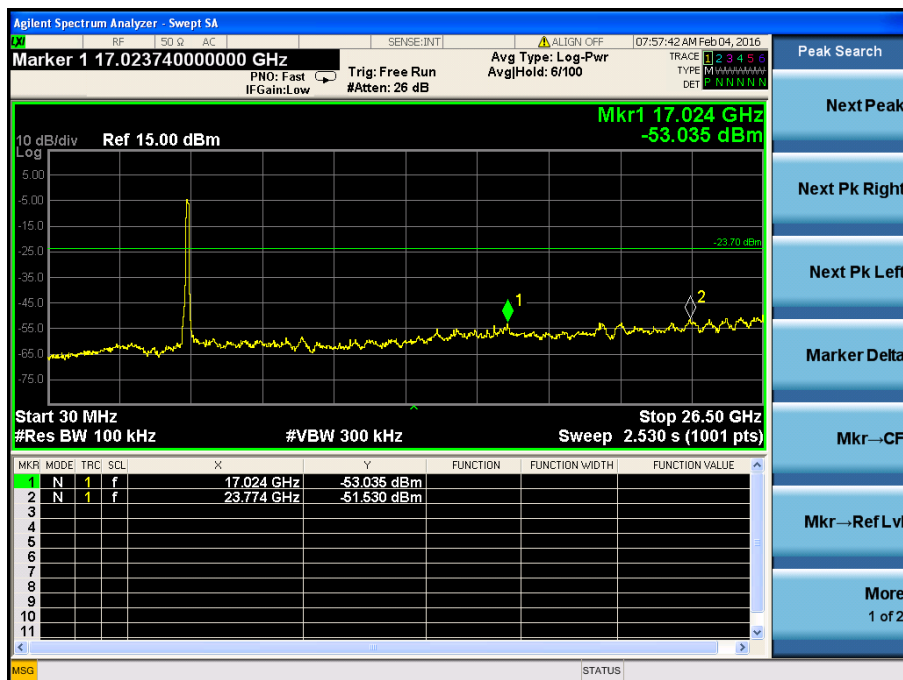
5755MHz

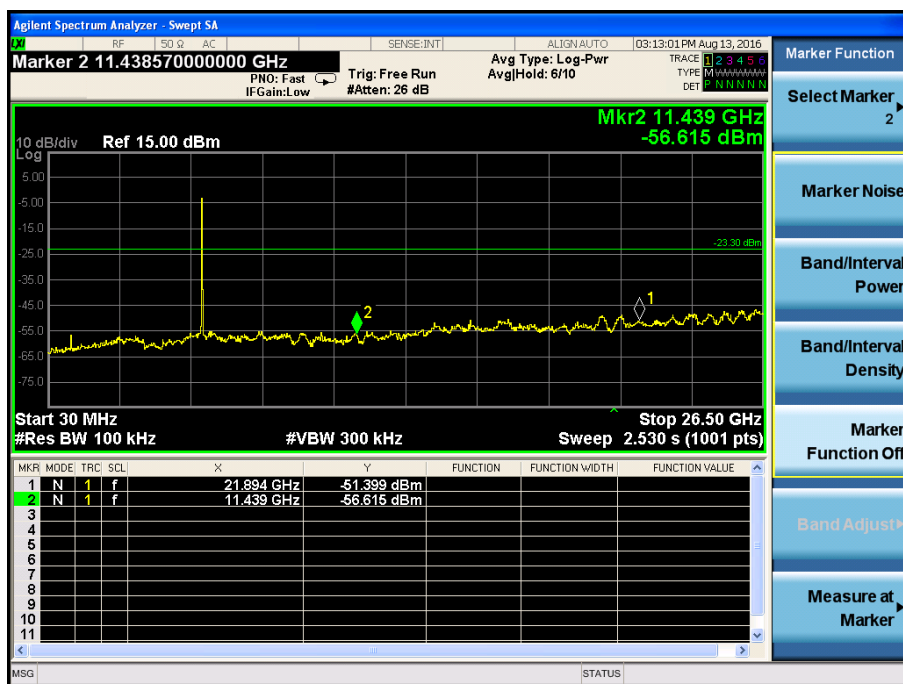


5795MHz

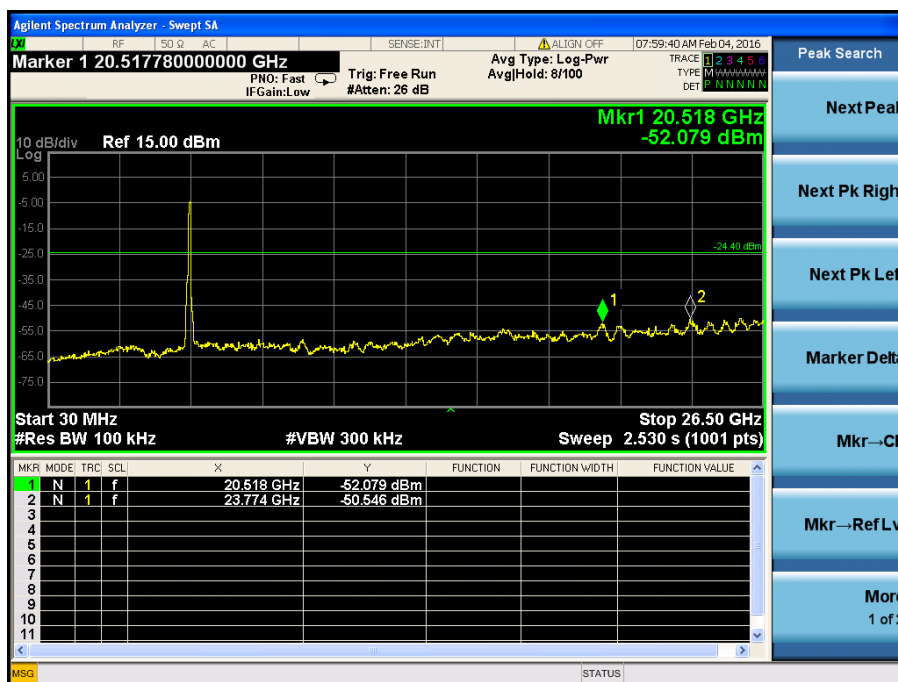


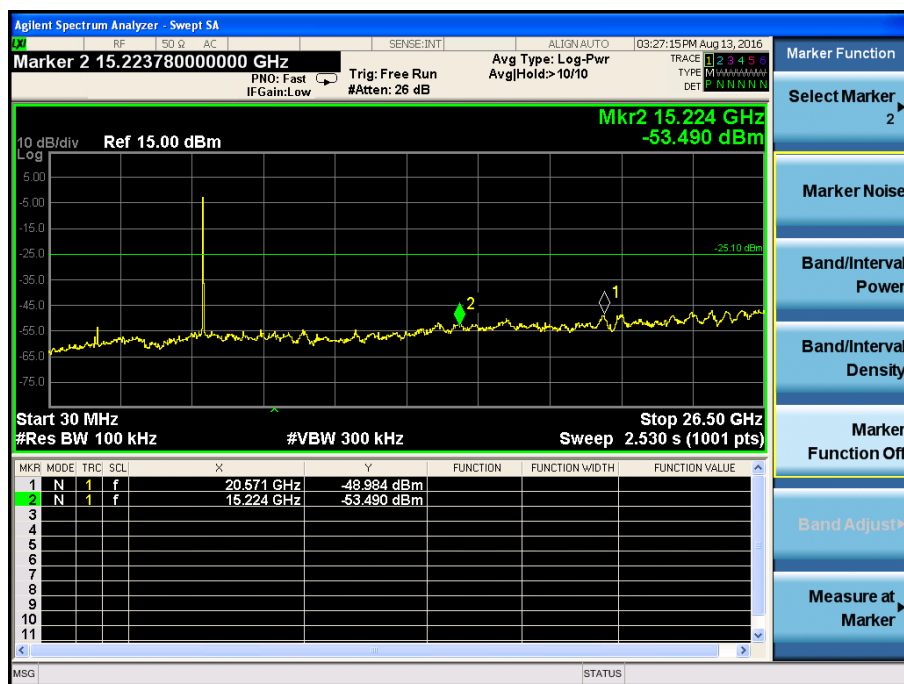
802.11ac-HT80 Bandedge (Conducted)
5210MHz



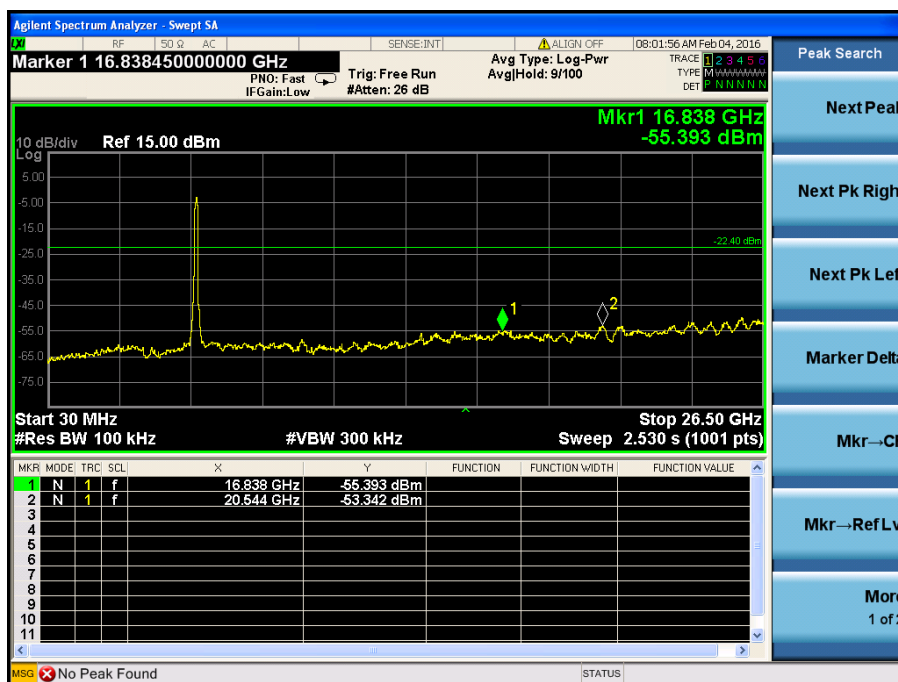


5290MHz

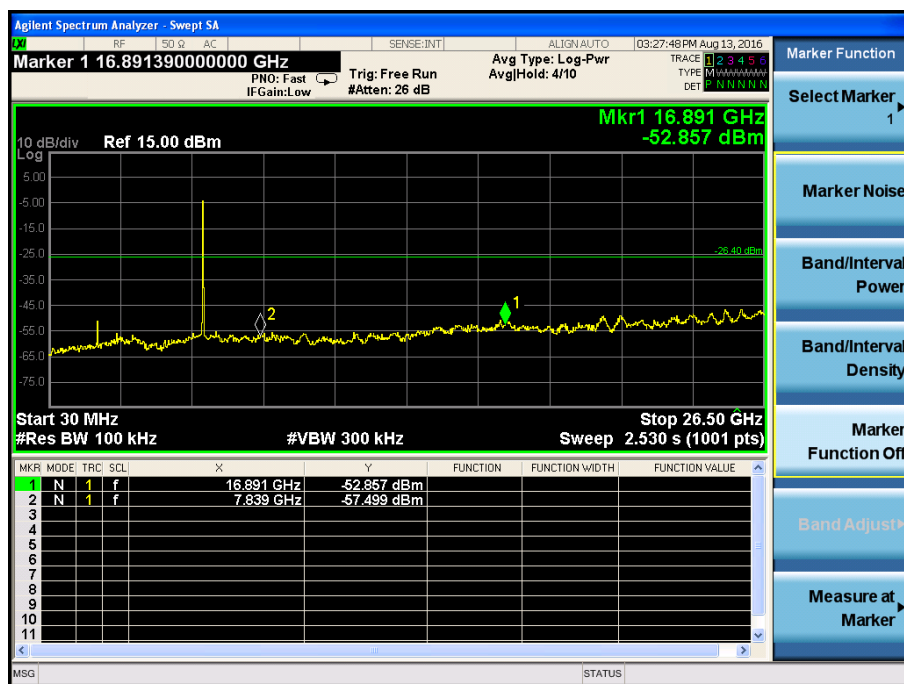




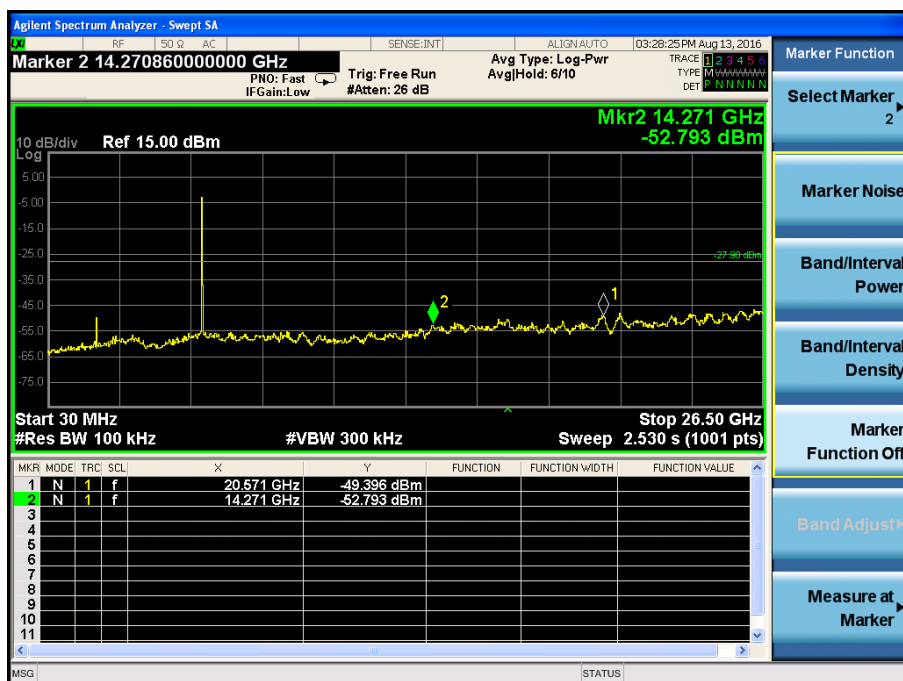
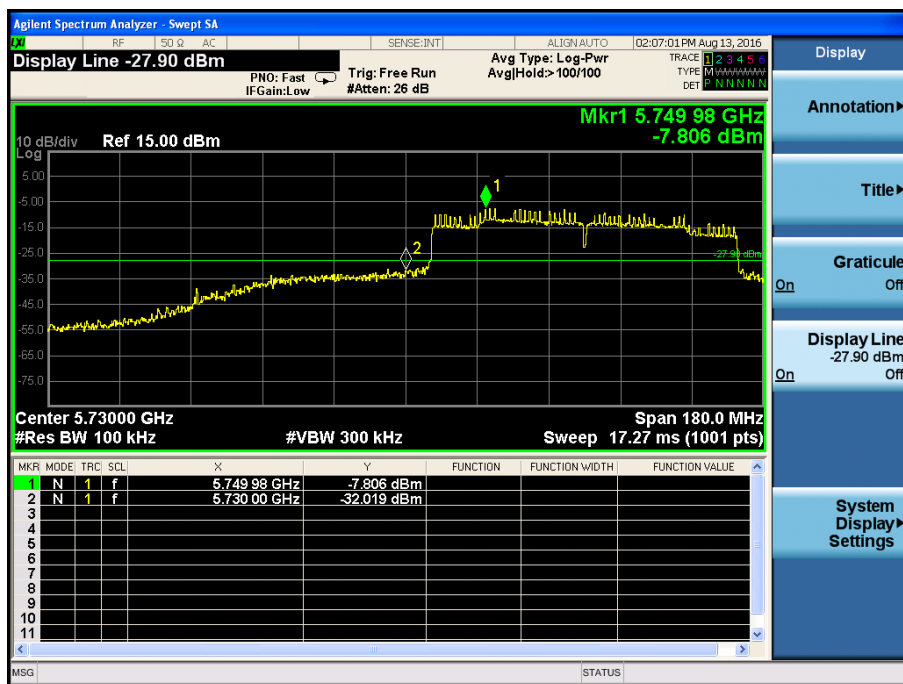
5530MHz

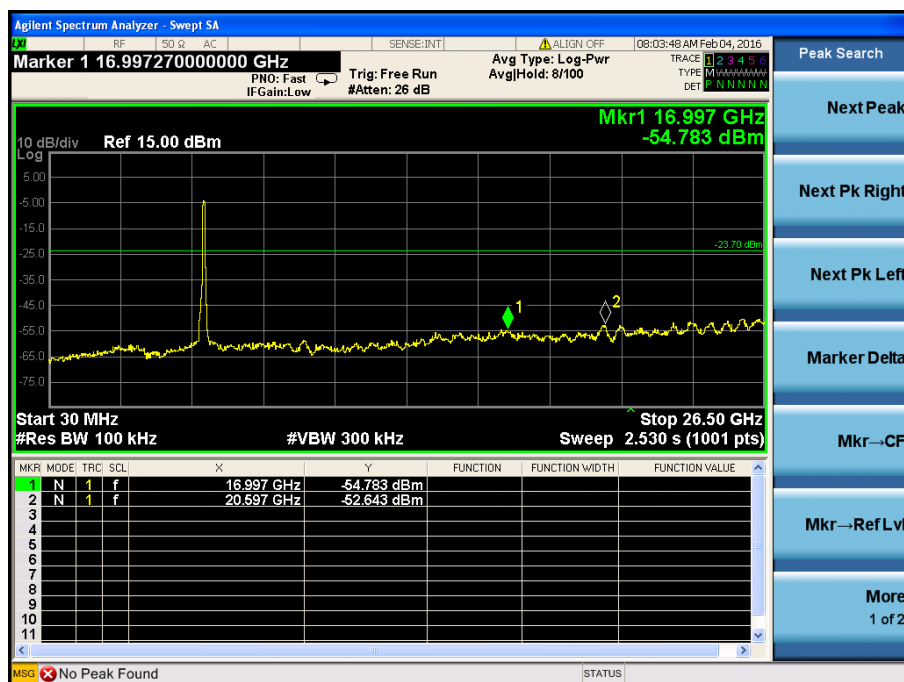


5690MHz



5775MHz

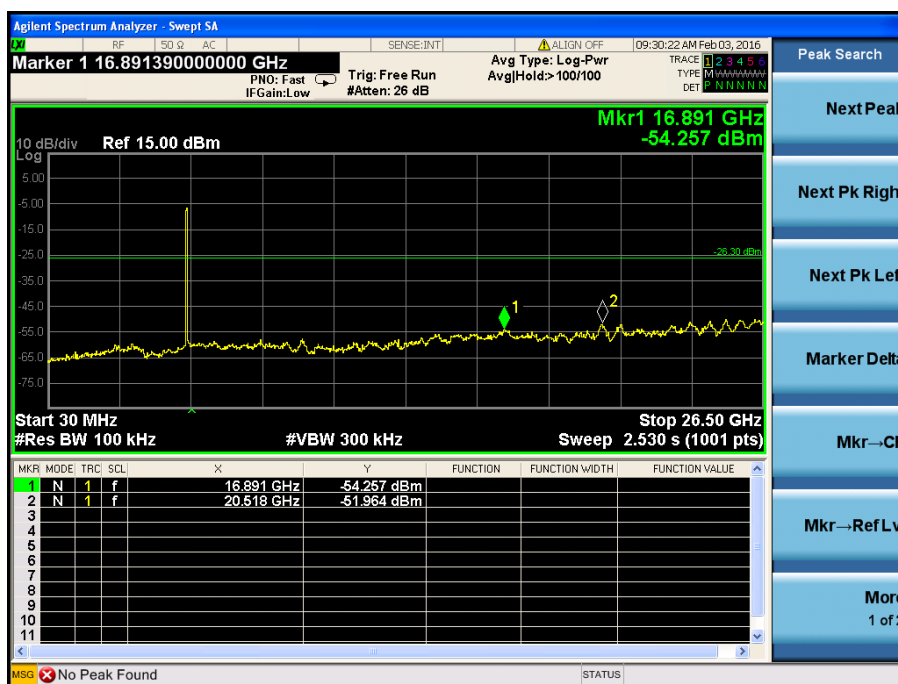
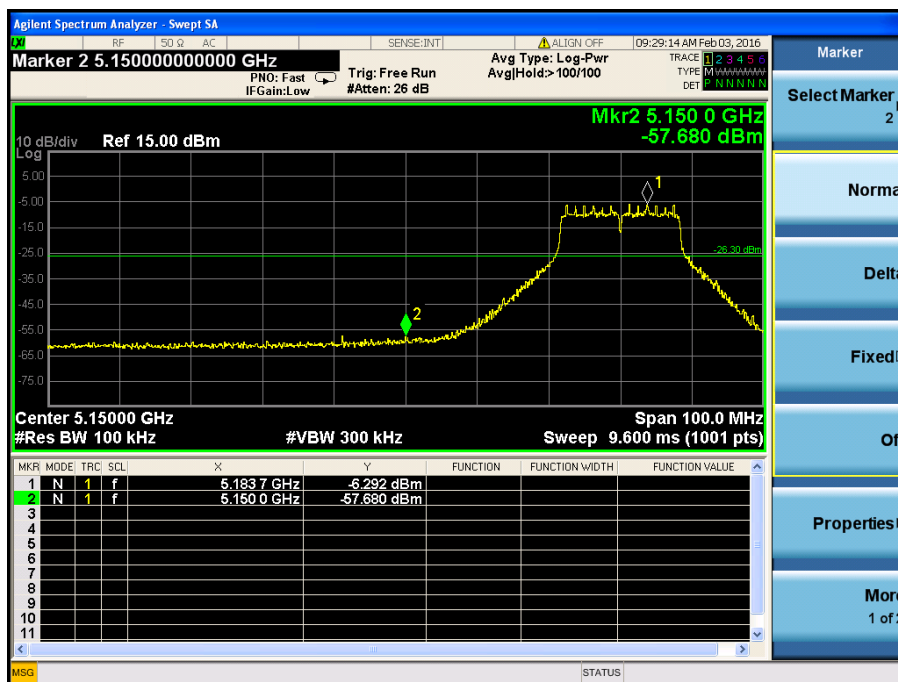




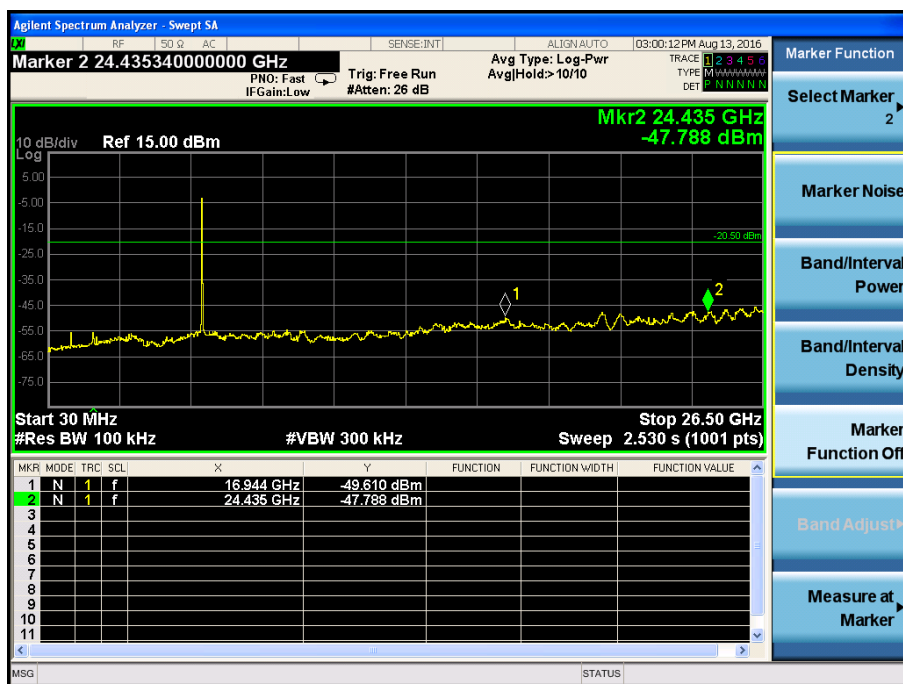
Antenna 2

802.11a Bandedge (Conducted)

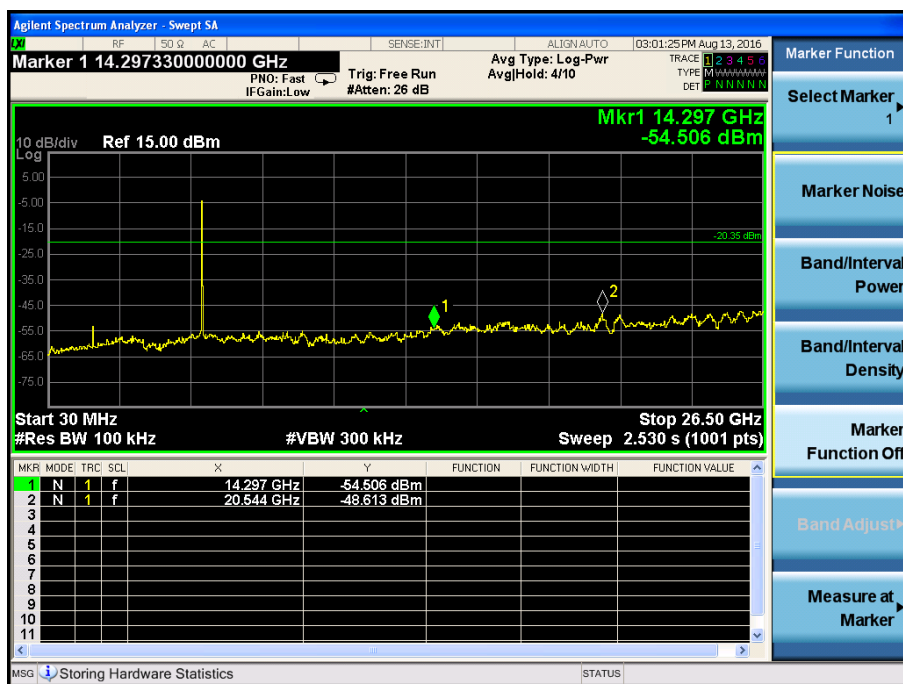
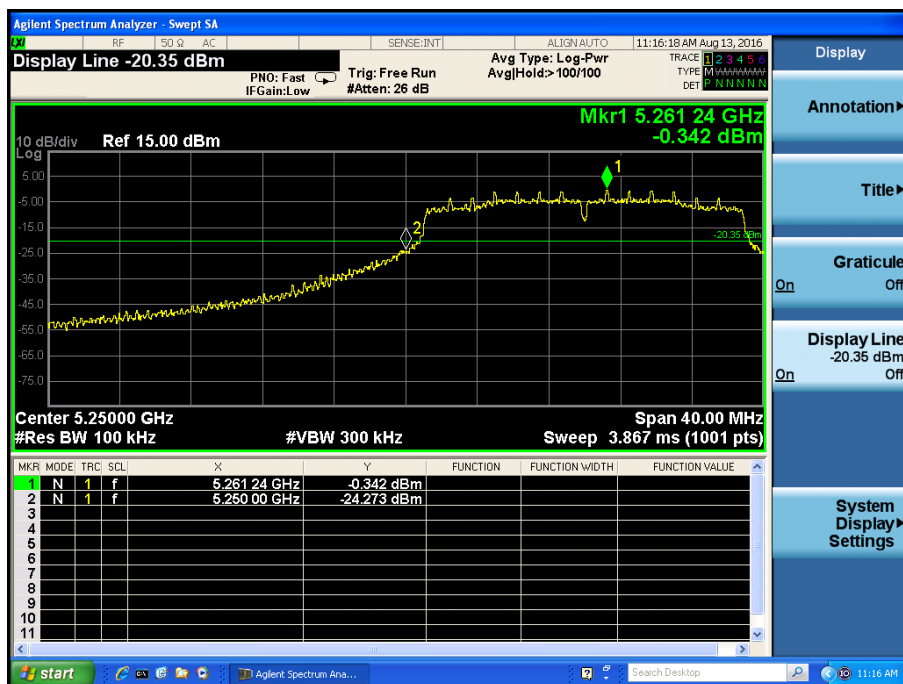
5180MHz



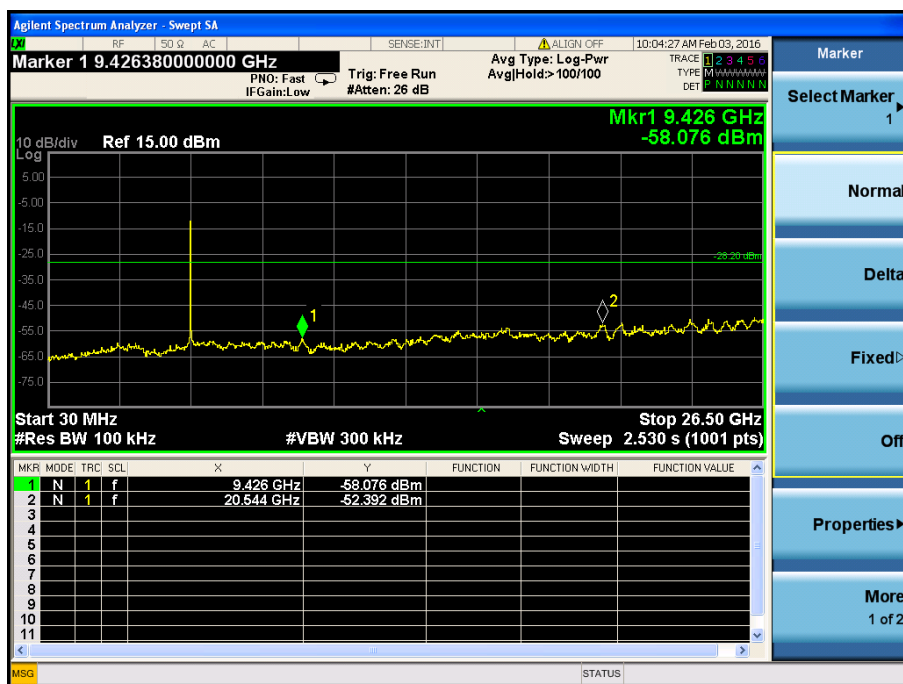
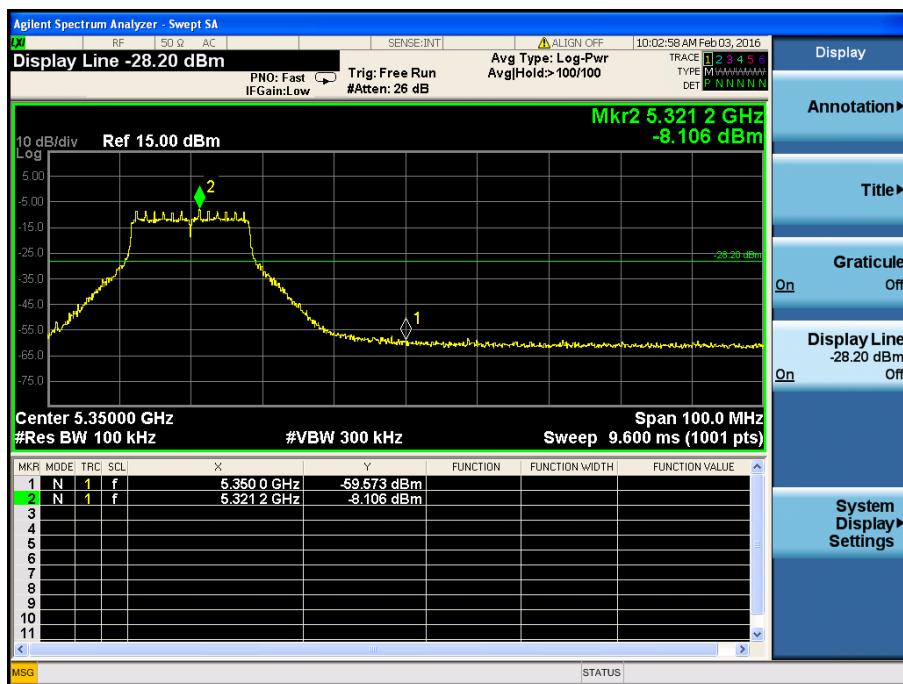
5240MHz



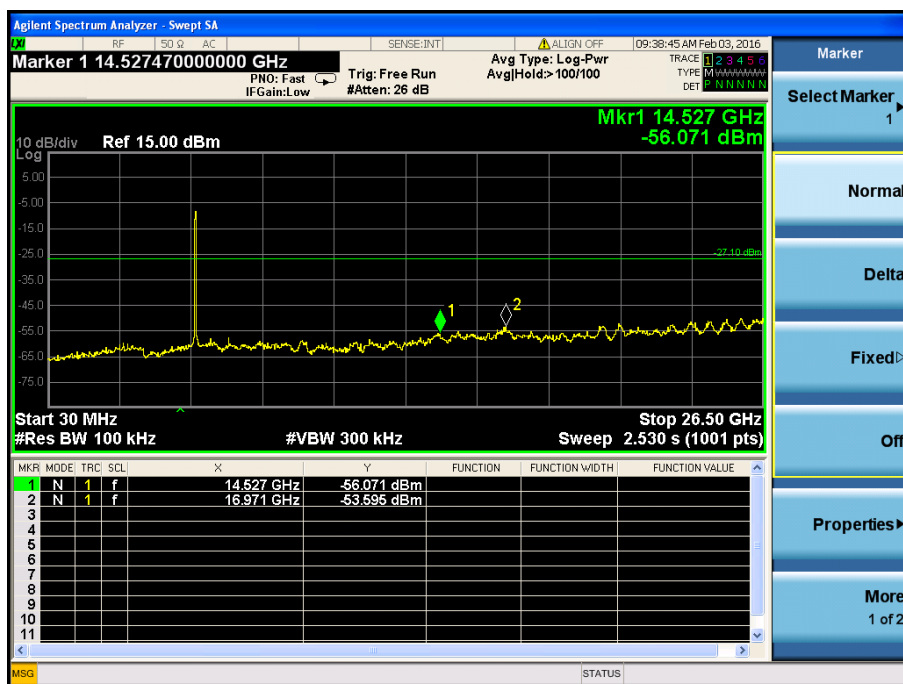
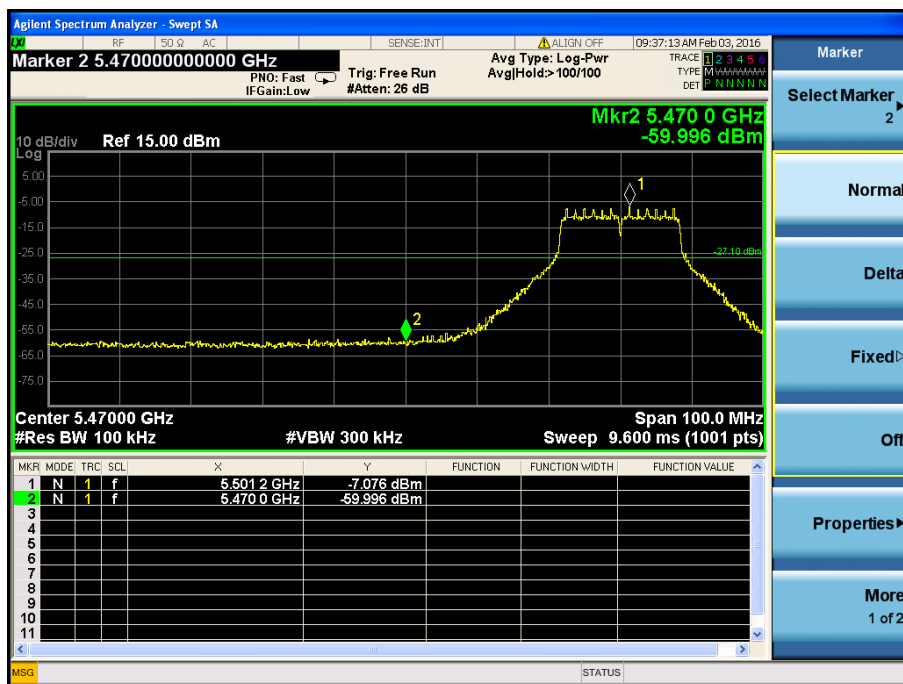
5260MHz



5320MHz



5500MHz



5700MHz

