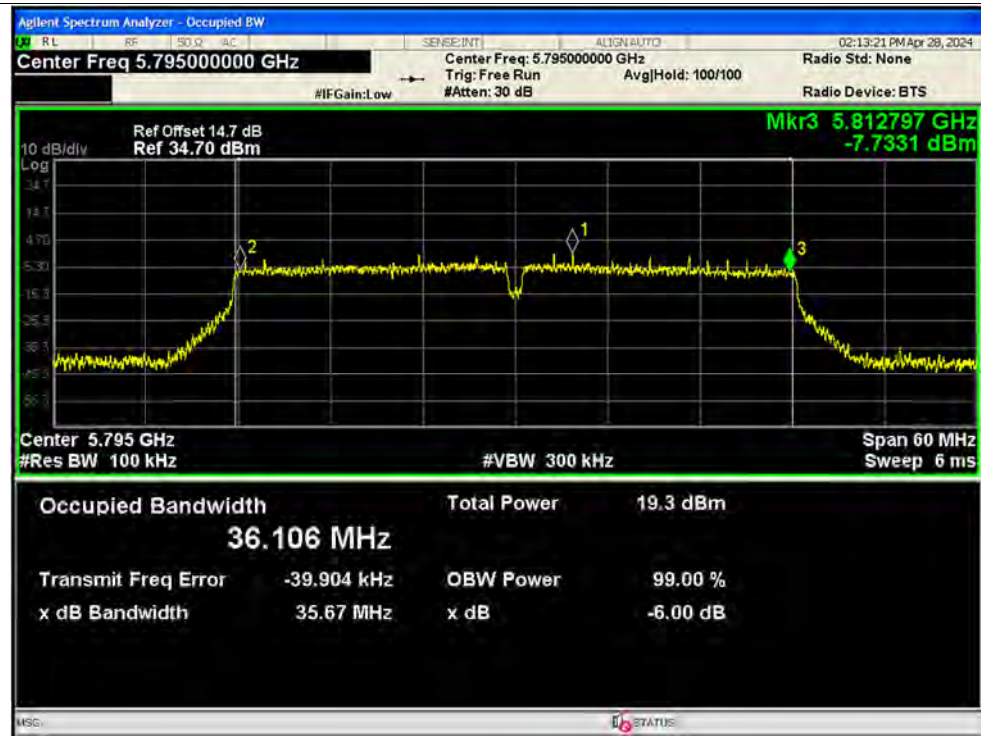
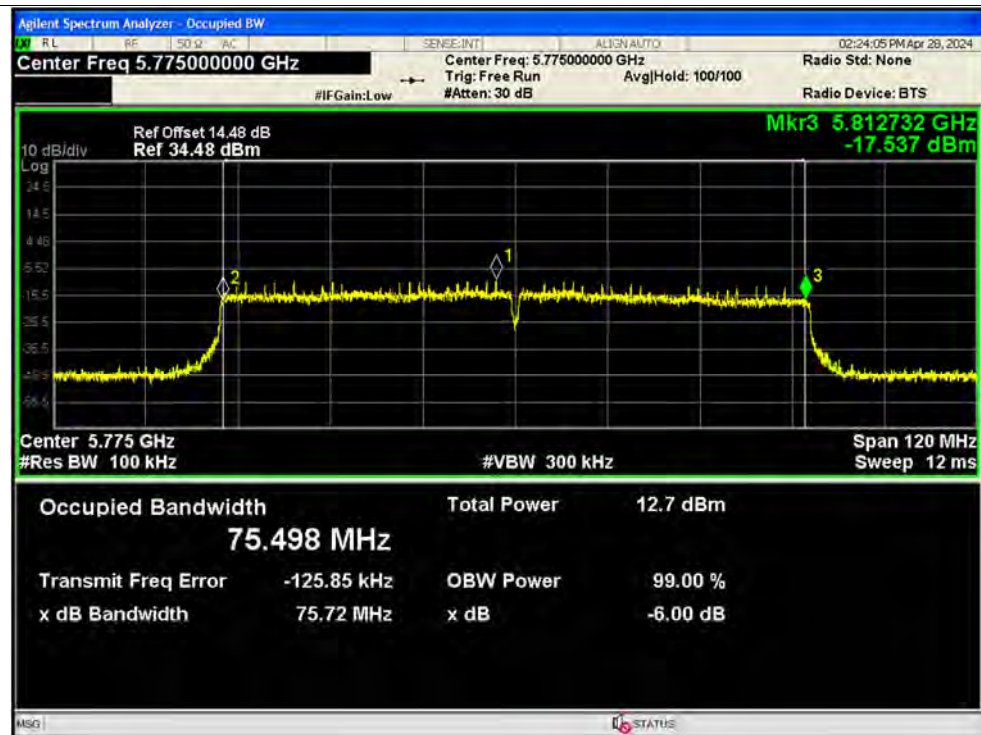


-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



**A.4. Peak Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.6	0.08	0.68	11	Pass
NVNT	a	5220	Ant1	6.07	0.08	6.15	11	Pass
NVNT	a	5240	Ant1	6.05	0.08	6.13	11	Pass
NVNT	a	5260	Ant1	5.97	0.06	6.03	11	Pass
NVNT	a	5300	Ant1	5.34	0.08	5.42	11	Pass
NVNT	a	5320	Ant1	0	0.08	0.08	11	Pass
NVNT	a	5500	Ant1	0.35	0.08	0.43	11	Pass
NVNT	a	5600	Ant1	6.16	0.06	6.22	11	Pass
NVNT	a	5700	Ant1	2.33	0.08	2.41	11	Pass
NVNT	a	5745	Ant1	-0.33	0.08	-0.25	30	Pass
NVNT	a	5785	Ant1	2.58	0.08	2.66	30	Pass
NVNT	a	5825	Ant1	1.73	0.08	1.81	30	Pass
NVNT	n20	5180	Ant1	1.08	0.15	1.23	11	Pass
NVNT	n20	5220	Ant1	6.39	0.26	6.65	11	Pass
NVNT	n20	5240	Ant1	4.75	0.16	4.91	11	Pass
NVNT	n20	5260	Ant1	5.21	0.26	5.47	11	Pass
NVNT	n20	5300	Ant1	3.95	0.28	4.23	11	Pass
NVNT	n20	5320	Ant1	1.21	0.26	1.47	11	Pass
NVNT	n20	5500	Ant1	0.9	0.26	1.16	11	Pass
NVNT	n20	5600	Ant1	5.49	0.26	5.75	11	Pass
NVNT	n20	5700	Ant1	-0.11	0.28	0.17	11	Pass
NVNT	n20	5745	Ant1	-0.01	0.16	0.16	30	Pass
NVNT	n20	5785	Ant1	1.81	0.26	2.07	30	Pass
NVNT	n20	5825	Ant1	-0.08	0.28	0.2	30	Pass
NVNT	n40	5190	Ant1	-6.95	0.2	-6.75	11	Pass
NVNT	n40	5230	Ant1	0.42	0.56	0.98	11	Pass
NVNT	n40	5270	Ant1	-0.39	0.56	0.17	11	Pass
NVNT	n40	5310	Ant1	-5.62	0.4	-5.22	11	Pass
NVNT	n40	5510	Ant1	-7.14	0.4	-6.74	11	Pass
NVNT	n40	5630	Ant1	1.03	0.38	1.41	11	Pass
NVNT	n40	5670	Ant1	-2.33	0.2	-2.13	11	Pass
NVNT	n40	5755	Ant1	-9.47	0.38	-9.09	30	Pass
NVNT	n40	5795	Ant1	-4.41	0.4	-4.01	30	Pass
NVNT	ac20	5180	Ant1	0.94	0.26	1.2	11	Pass



NVNT	ac20	5220	Ant1	6.23	0.14	6.37	11	Pass
NVNT	ac20	5240	Ant1	6.29	0.14	6.43	11	Pass
NVNT	ac20	5260	Ant1	5.2	0.28	5.48	11	Pass
NVNT	ac20	5300	Ant1	3.95	0.26	4.21	11	Pass
NVNT	ac20	5320	Ant1	0.25	0.26	0.51	11	Pass
NVNT	ac20	5500	Ant1	0.95	0.26	1.21	11	Pass
NVNT	ac20	5600	Ant1	5.65	0.14	5.79	11	Pass
NVNT	ac20	5700	Ant1	-0.89	0.26	-0.63	11	Pass
NVNT	ac20	5745	Ant1	-0.97	0.26	-0.71	30	Pass
NVNT	ac20	5785	Ant1	2.48	0.28	2.76	30	Pass
NVNT	ac20	5825	Ant1	0.59	0.26	0.85	30	Pass
NVNT	ac40	5190	Ant1	-6.85	0.4	-6.45	11	Pass
NVNT	ac40	5230	Ant1	-0.13	0.56	0.43	11	Pass
NVNT	ac40	5270	Ant1	-0.98	0.56	-0.42	11	Pass
NVNT	ac40	5310	Ant1	-6.26	0.38	-5.88	11	Pass
NVNT	ac40	5510	Ant1	-7.74	0.18	-7.56	11	Pass
NVNT	ac40	5630	Ant1	2.13	0.4	2.53	11	Pass
NVNT	ac40	5670	Ant1	-2.06	0.4	-1.66	11	Pass
NVNT	ac40	5755	Ant1	-8.75	0.38	-8.37	30	Pass
NVNT	ac40	5795	Ant1	-3.54	0.4	-3.14	30	Pass
NVNT	ac80	5210	Ant1	-12.19	0.8	-11.39	11	Pass
NVNT	ac80	5290	Ant1	-12.53	0.41	-12.12	11	Pass
NVNT	ac80	5530	Ant1	-13.64	0.55	-13.09	11	Pass
NVNT	ac80	5610	Ant1	-5.54	0.56	-4.98	11	Pass
NVNT	ac80	5775	Ant1	-13.38	0.85	-12.53	30	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5220MHz Ant1



PSD NVNT a 5240MHz Ant1



PSD NVNT a 5260MHz Ant1



PSD NVNT a 5300MHz Ant1



PSD NVNT a 5320MHz Ant1



PSD NVNT a 5500MHz Ant1



PSD NVNT a 5600MHz Ant1



PSD NVNT a 5700MHz Ant1

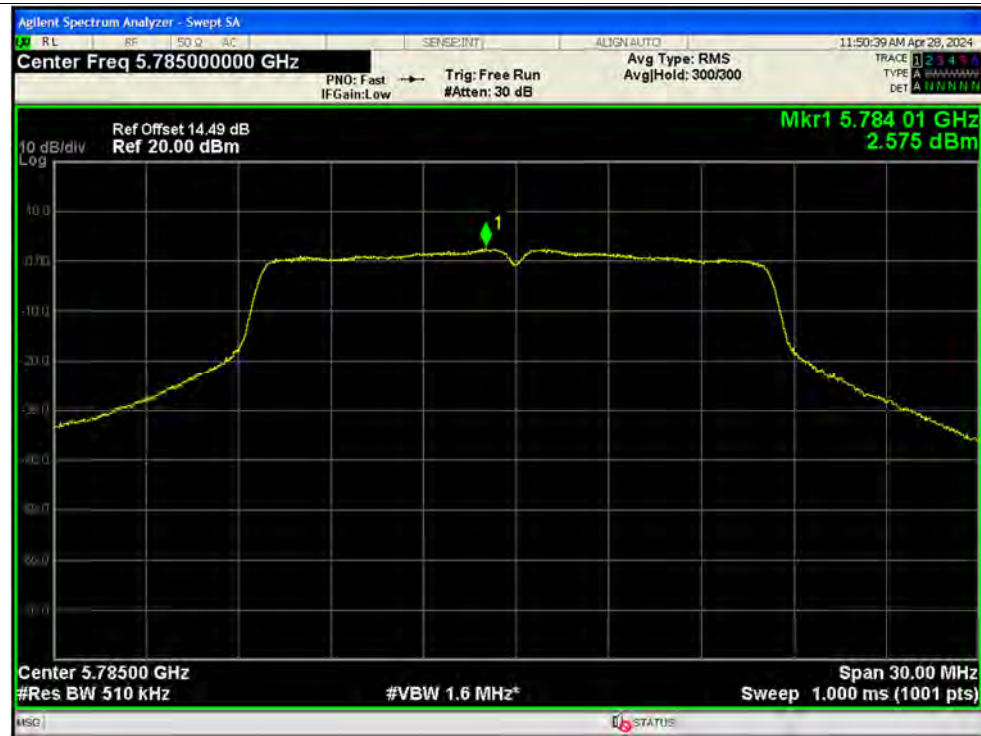


PSD NVNT a 5745MHz Ant1





PSD NVNT a 5785MHz Ant1

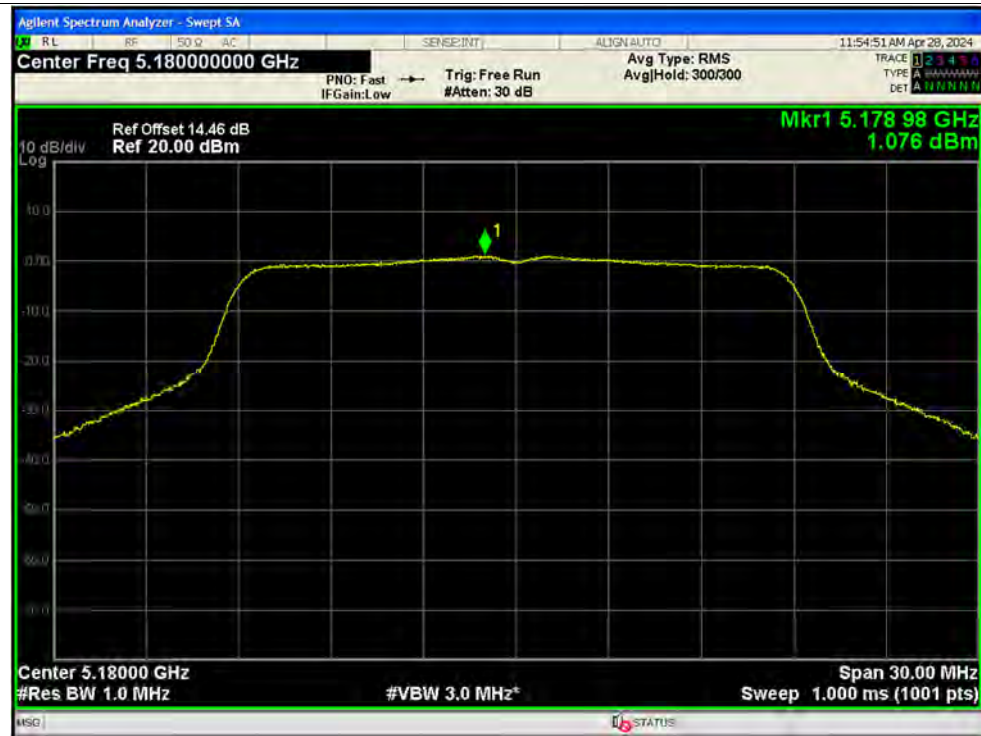


PSD NVNT a 5825MHz Ant1





PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5220MHz Ant1



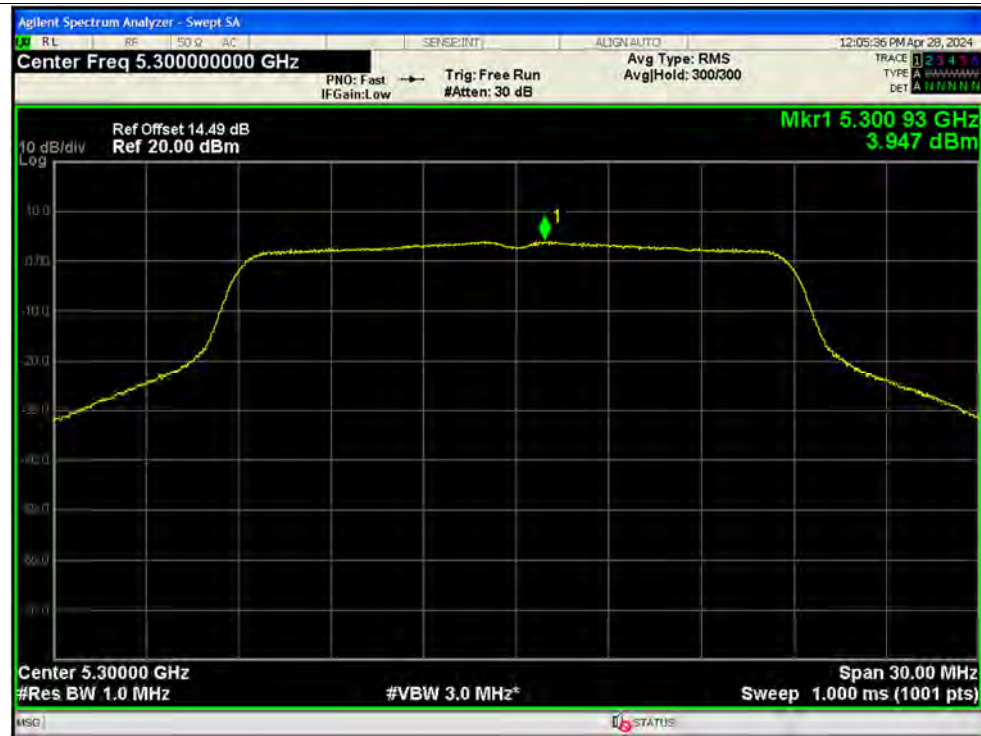
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5260MHz Ant1



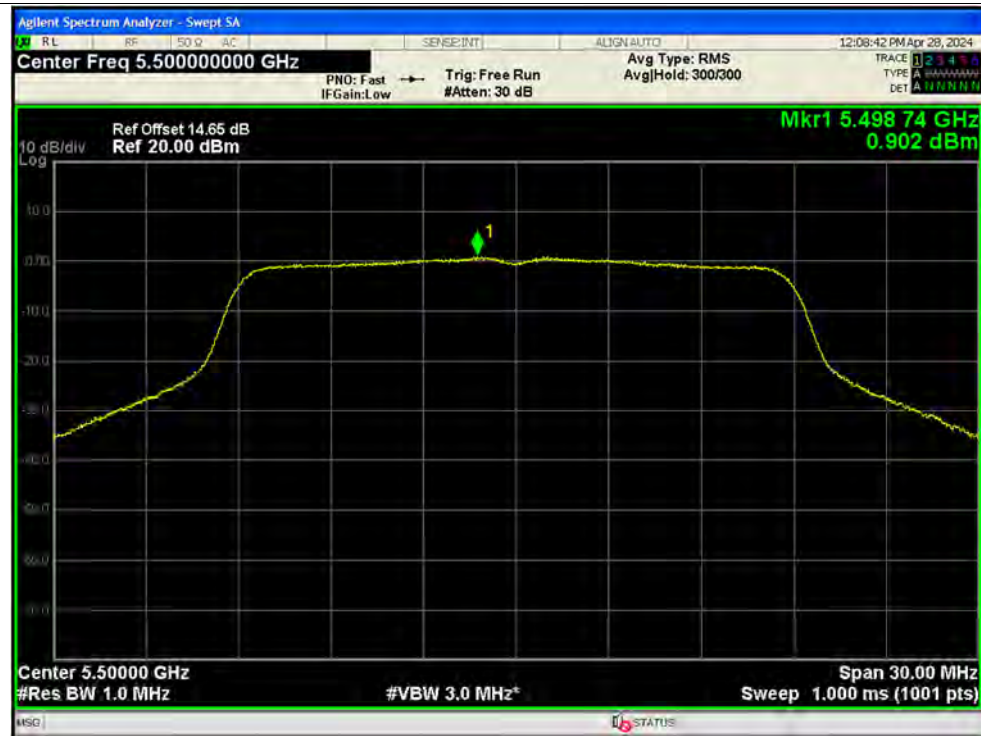
PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1



PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1





PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



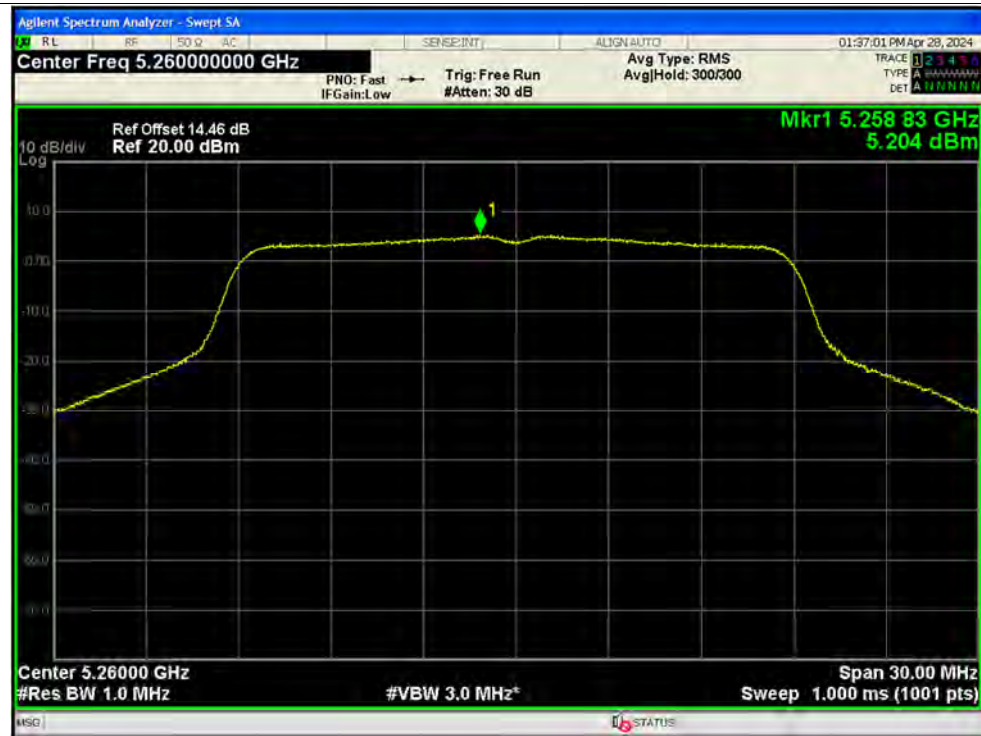
PSD NVNT ac20 5220MHz Ant1



PSD NVNT ac20 5240MHz Ant1



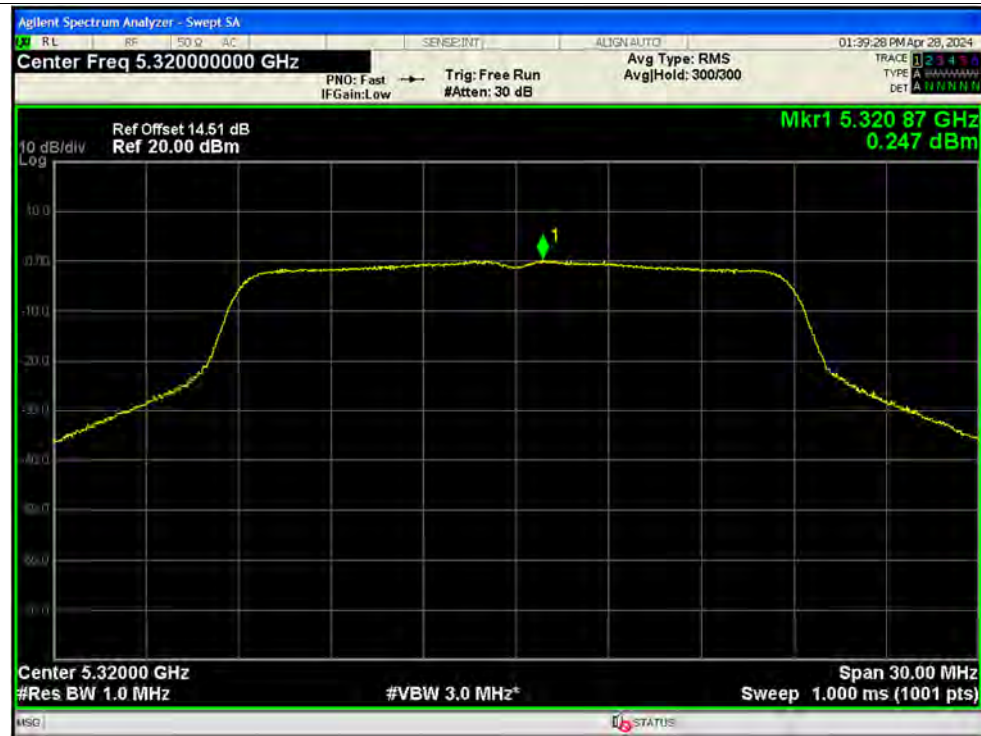
PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5700MHz Ant1



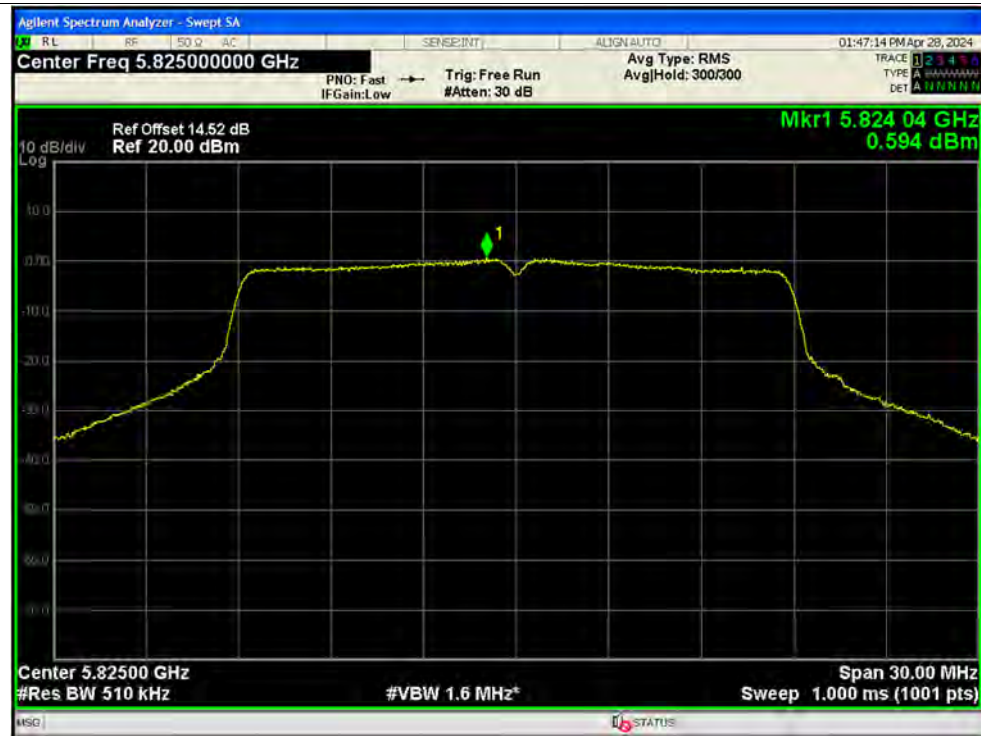
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5670MHz Ant1





PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1





PSD NVNT ac80 5530MHz Ant1

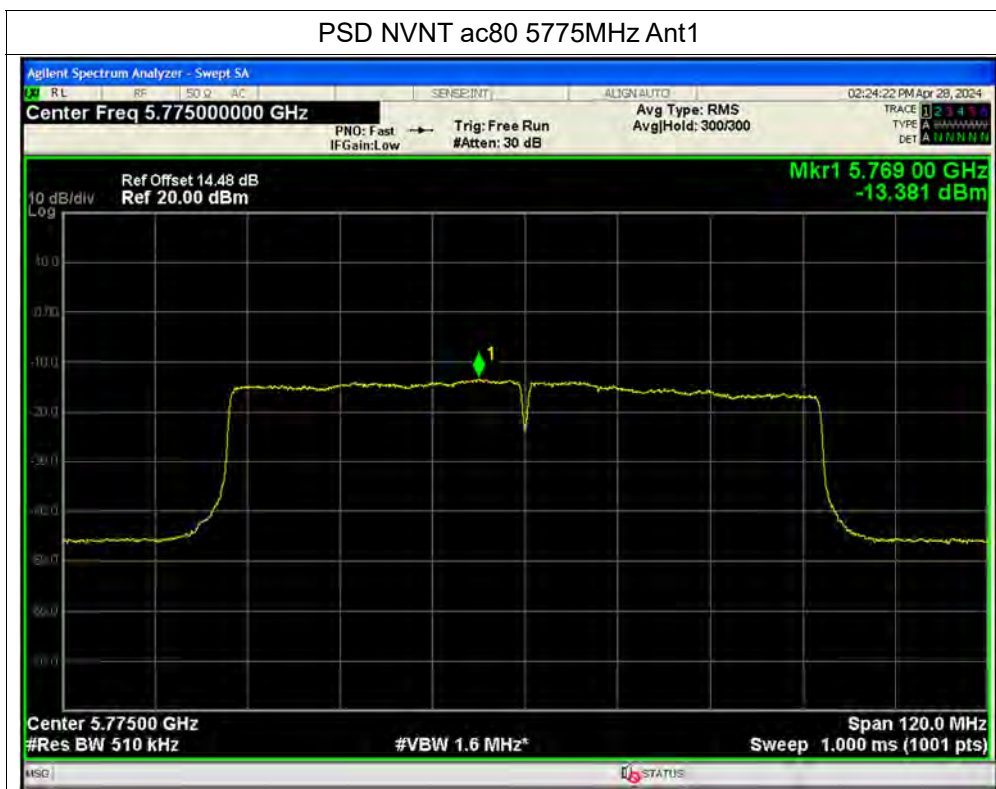


PSD NVNT ac80 5610MHz Ant1





PSD NVNT ac80 5775MHz Ant1



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.4V	a	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 3.89V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
20C 4.45V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
0C 3.89V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
10C 3.89V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
30C 3.89V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
35C 3.89V	a	5180	Ant1	5179.994	-6000	-1.16	25	Pass
20C 3.4V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 3.89V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 4.45V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
0C 3.89V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
10C 3.89V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
30C 3.89V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
35C 3.89V	a	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 3.4V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 3.89V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 4.45V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
0C 3.89V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
10C 3.89V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
30C 3.89V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
35C 3.89V	a	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 3.4V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
20C 3.89V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
20C 4.45V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
0C 3.89V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
10C 3.89V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
30C 3.89V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass
35C 3.89V	a	5745	Ant1	5744.991	-9000	-1.57	25	Pass



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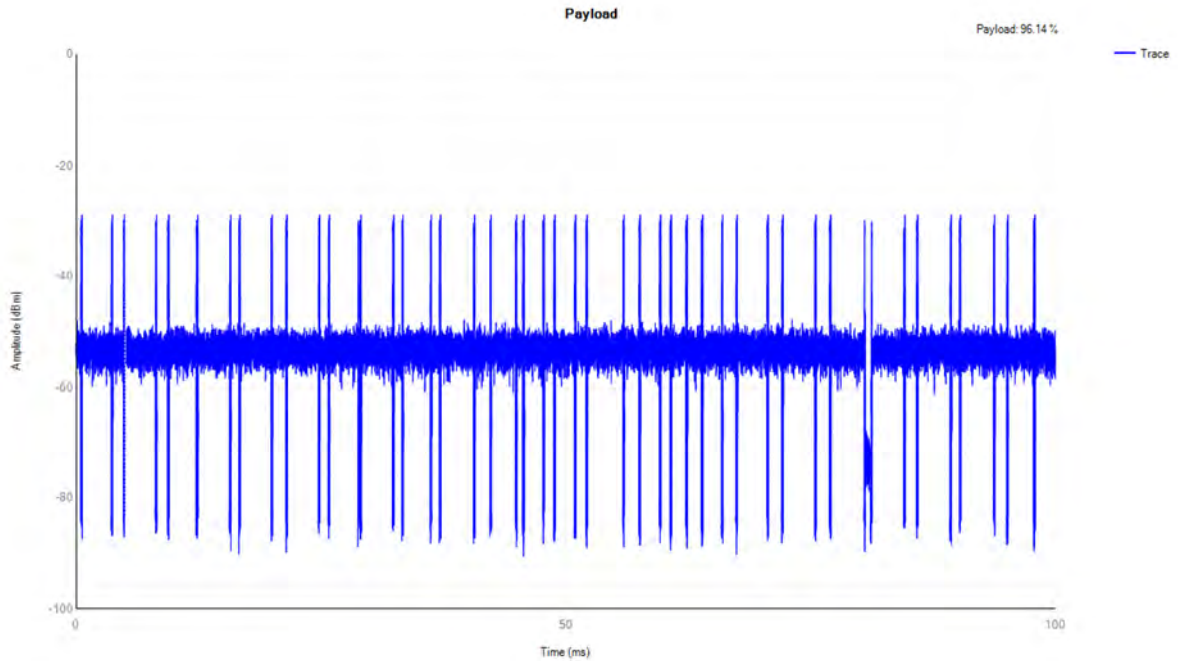
A.6. Dynamic Frequency Selection

Payload

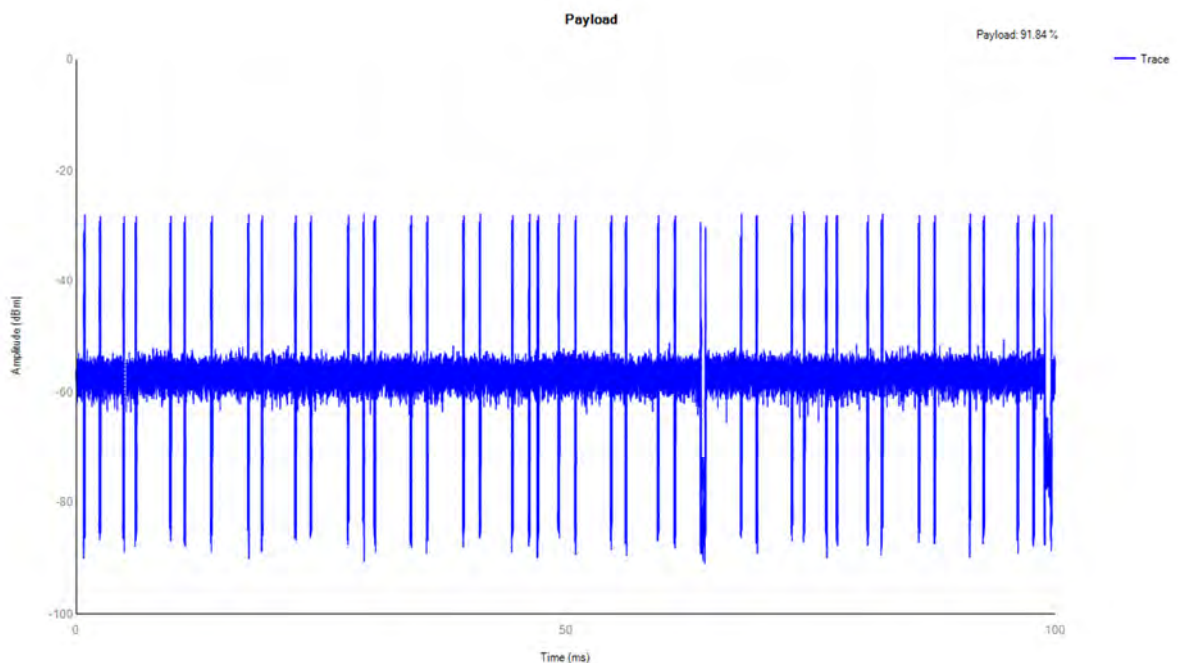
Mode	Frequency (MHz)	Result	Verdict
a	96.14	54.56	Pass
a	91.84	47.78	Pass
ac80	93.67	40.03	Pass
ac80	39.77	34.14	Pass

Test Graphs

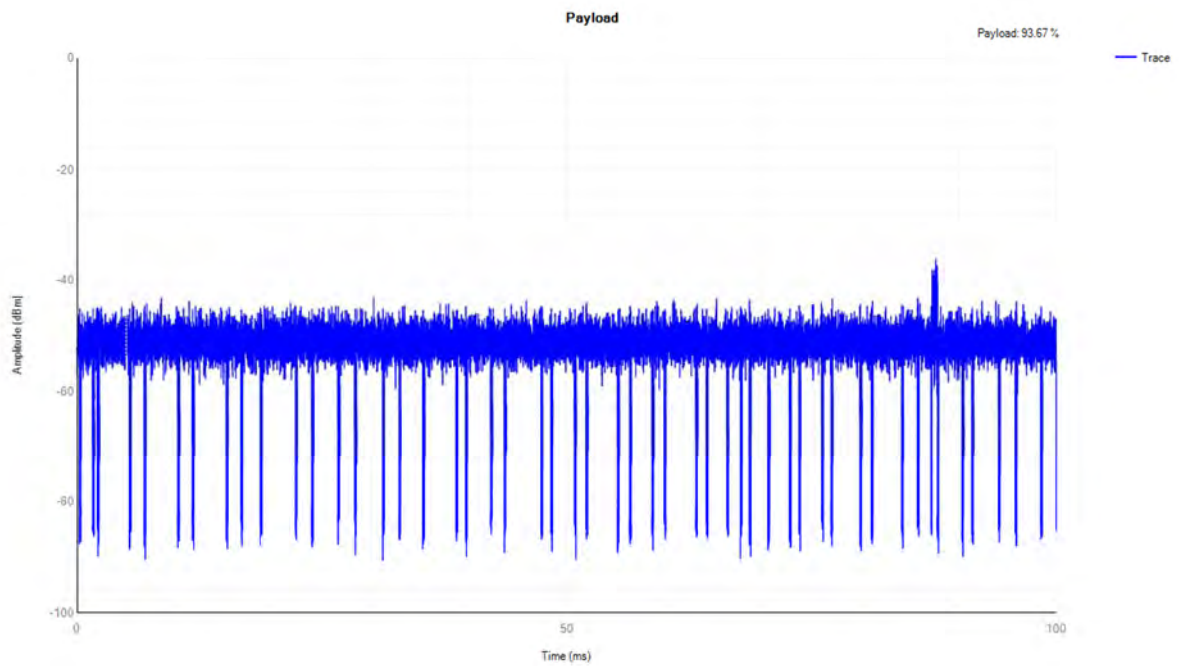
a 5320MHz Payload



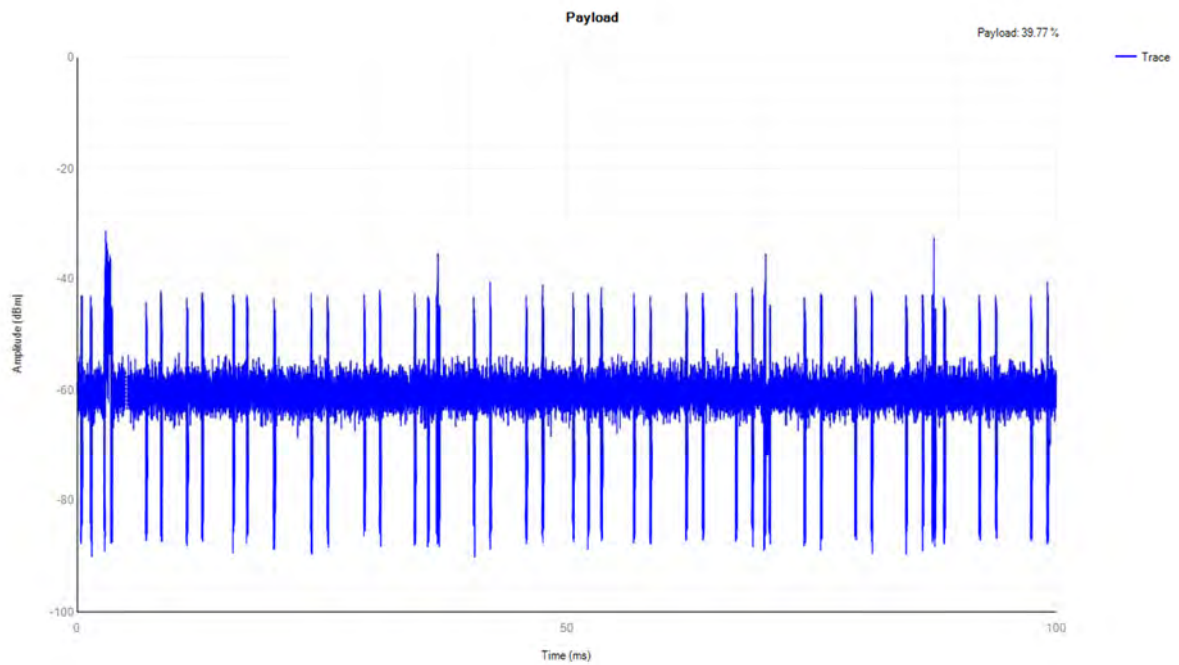
a 5500MHz Payload



ac80 5290MHz Payload



ac80 5530MHz Payload





Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	Pass
a	5500	DFS_FCC_T0	See test Graph	Pass
ac80	5290	DFS_FCC_T0	See test Graph	Pass
ac80	5530	DFS_FCC_T0	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

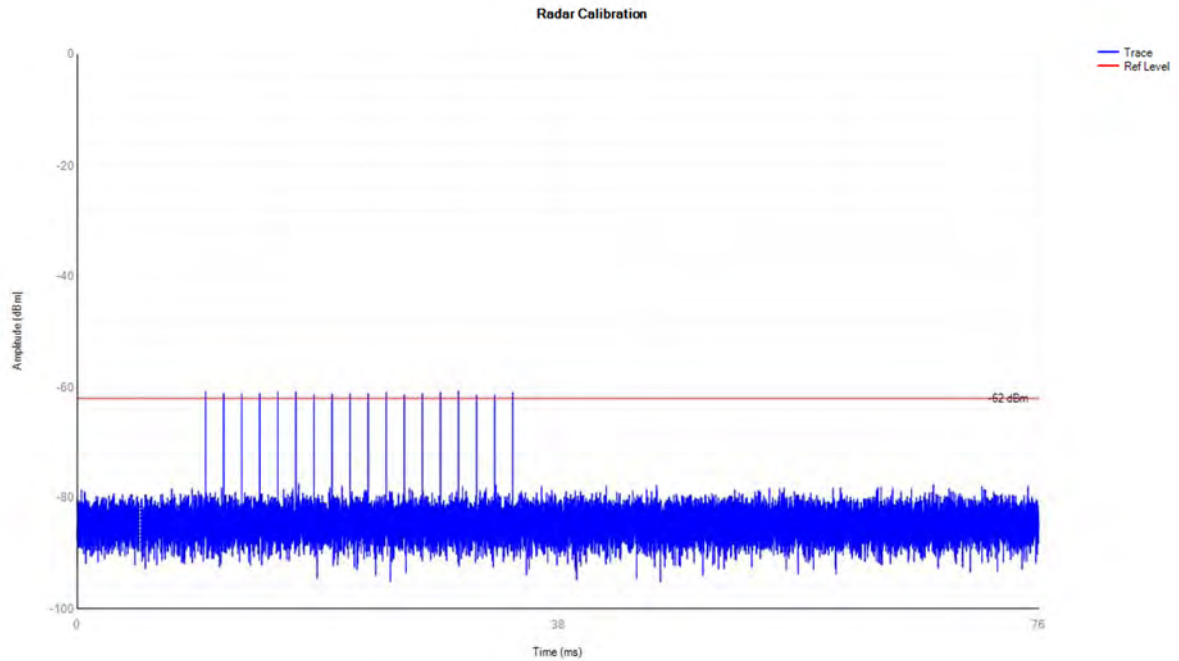
Detector Type: Peak

RBW: 3MHz

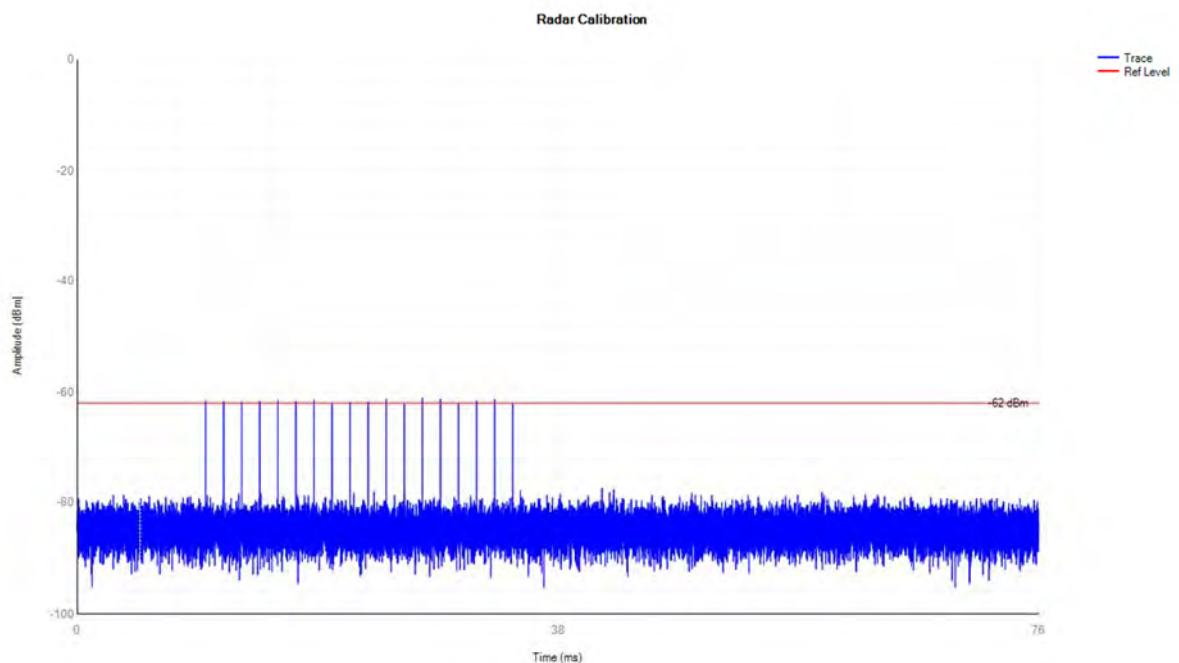
VBW: 3MHz

Test Graphs

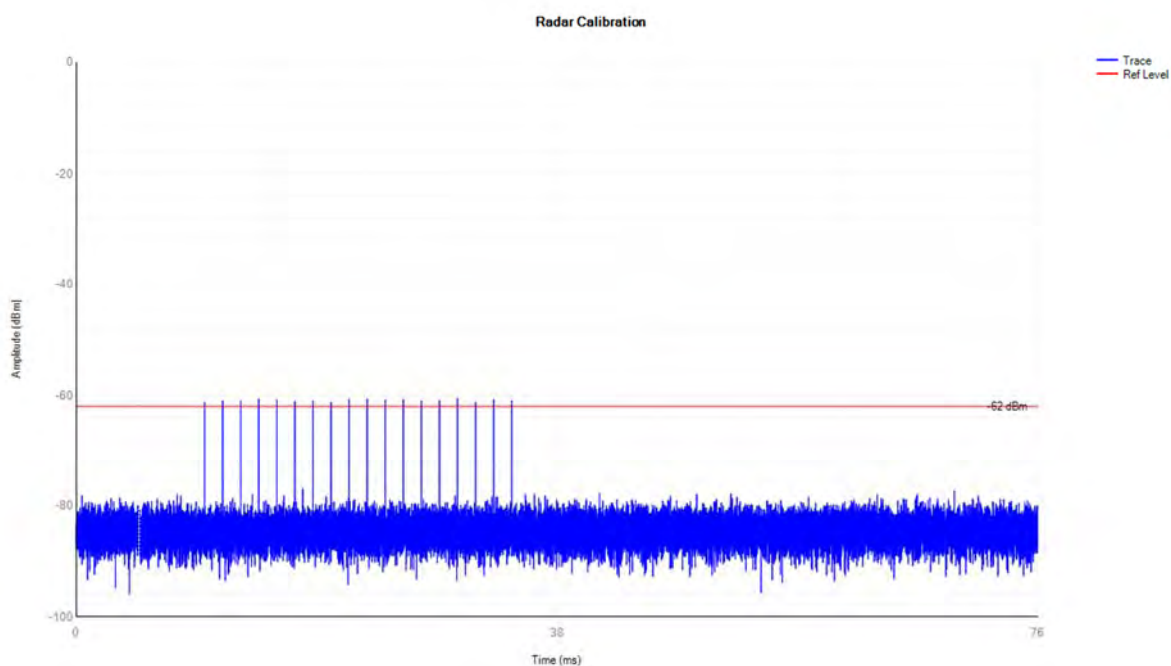
5320MHz DFS_FCC_T0



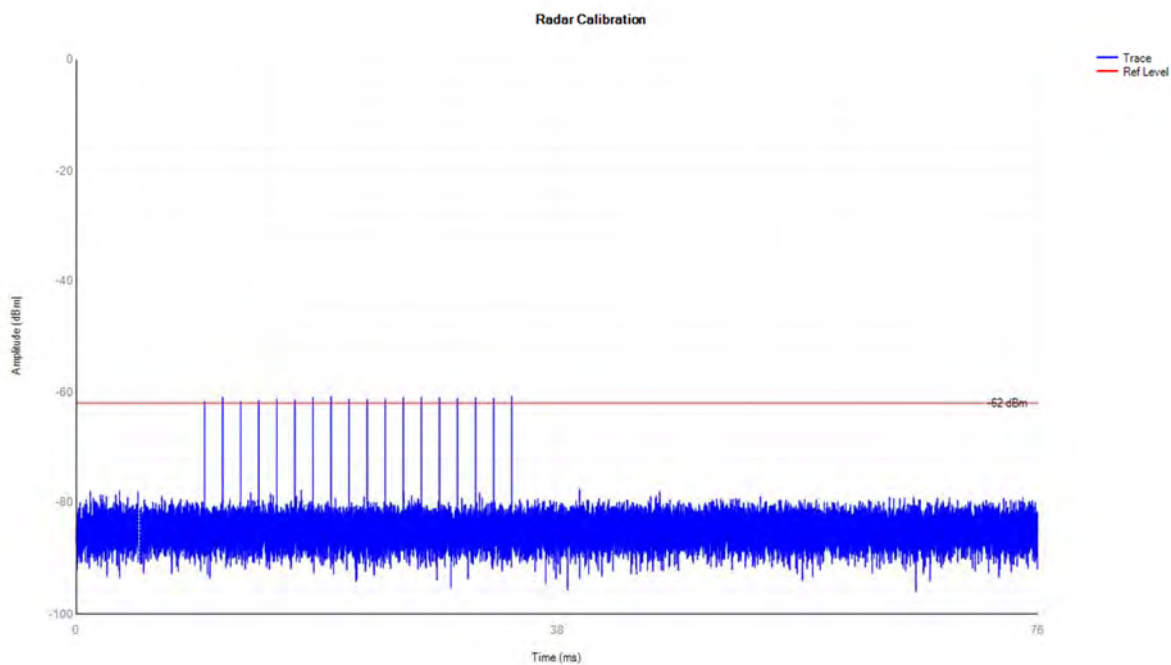
5500MHz DFS_FCC_T0



5290MHz DFS_FCC_T0



5530MHz DFS_FCC_T0





Channel Move Time and Channel Closing Transmission Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.9	10	0.037	0.26	0.021	0.06	Pass
a	5500	1.026	10	0.065	0.26	0.023	0.06	Pass
ac80	5290	0.876	10	0.028	0.26	0.019	0.06	Pass
ac80	5530	0.784	10	0.024	0.26	0.009	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

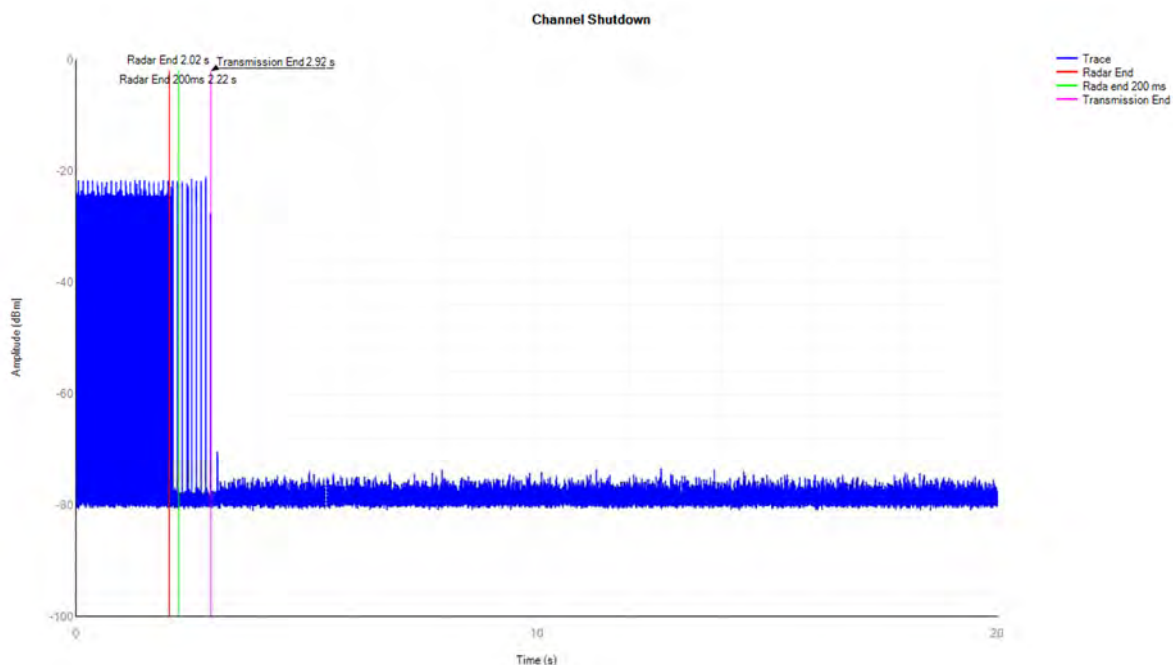
RBW: 3MHz

VBW: 3MHz

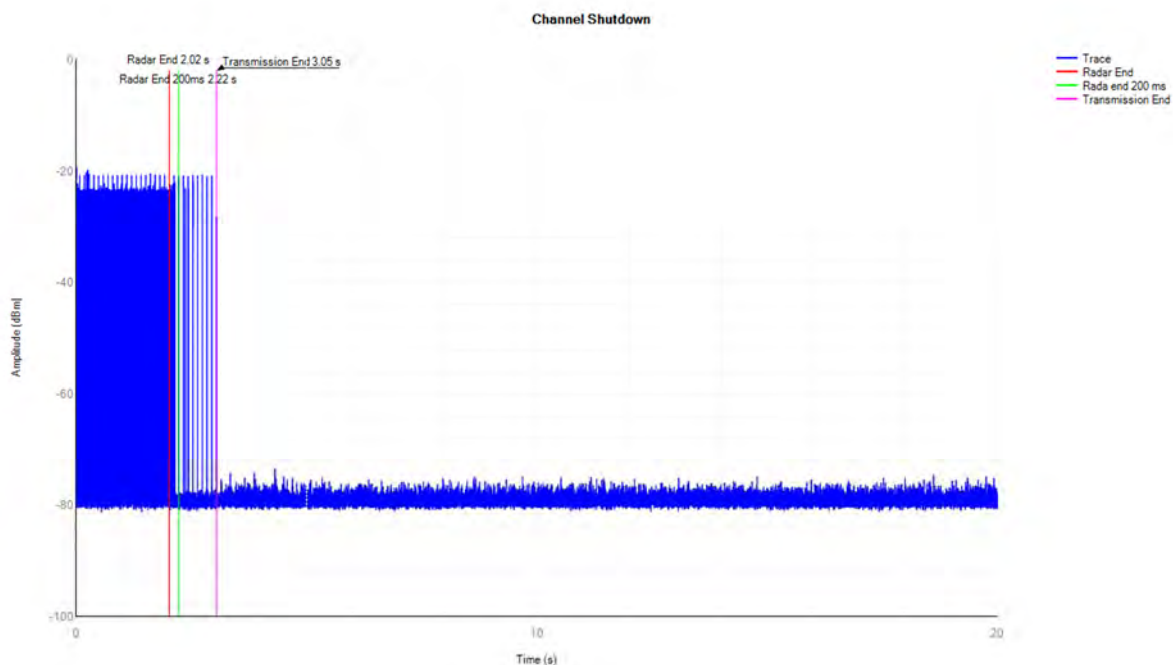
Sweep time: 20s

Test Graphs

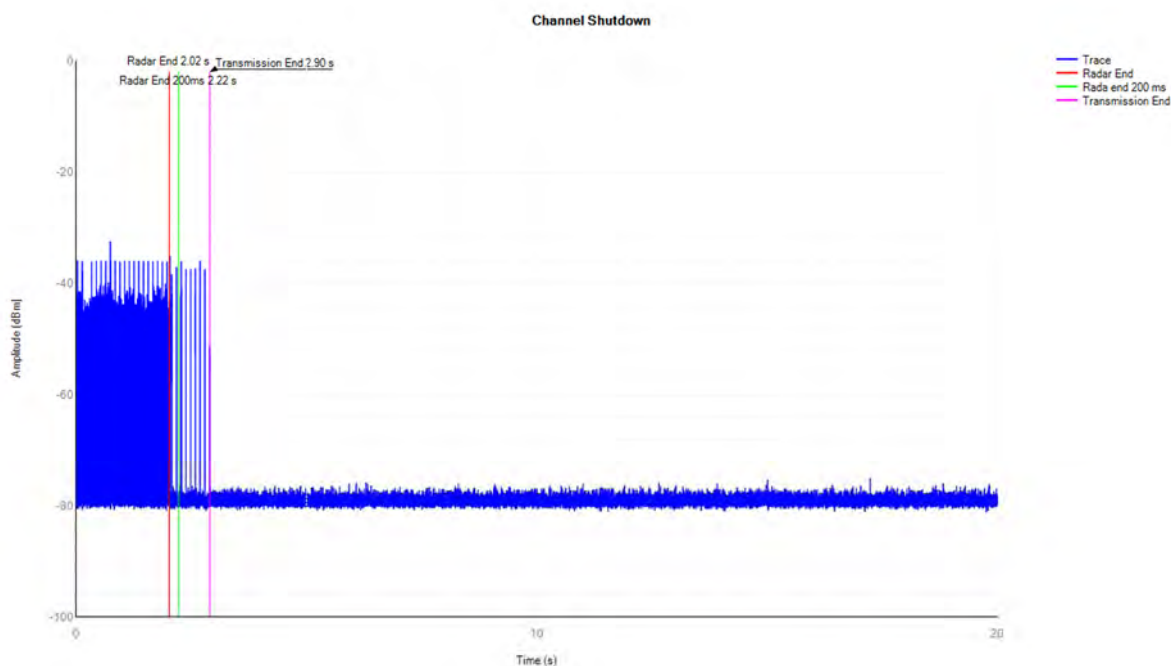
a 5320MHz Shutdown



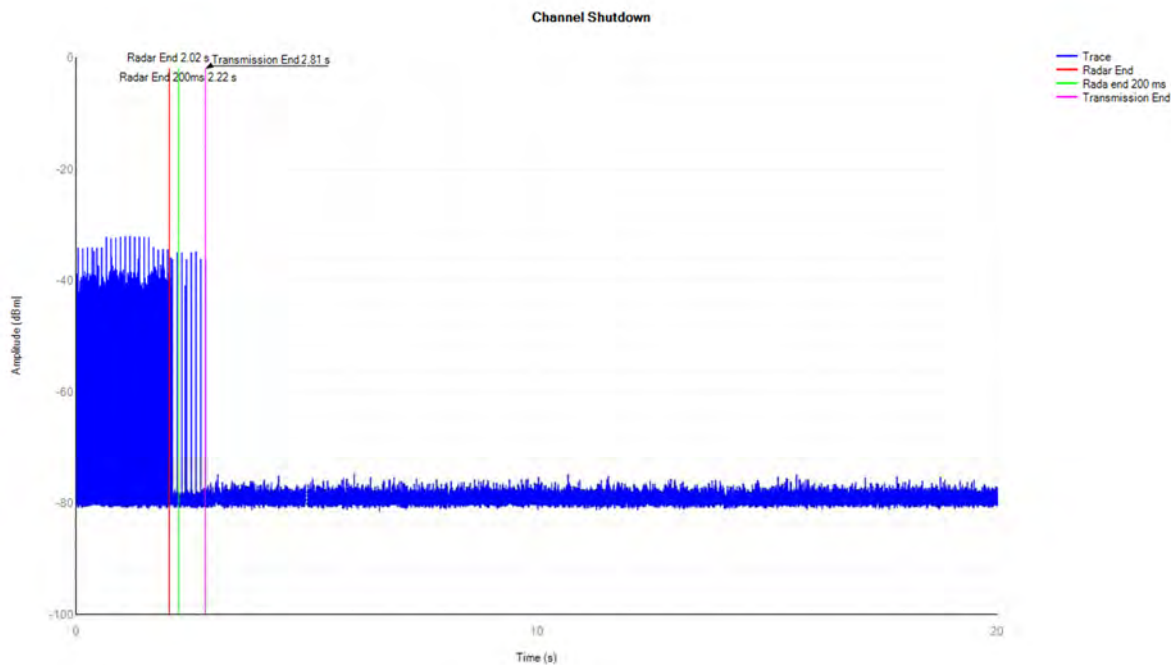
a 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz Shutdown



Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



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Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
a	5320	See test Graph	Pass
a	5500	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

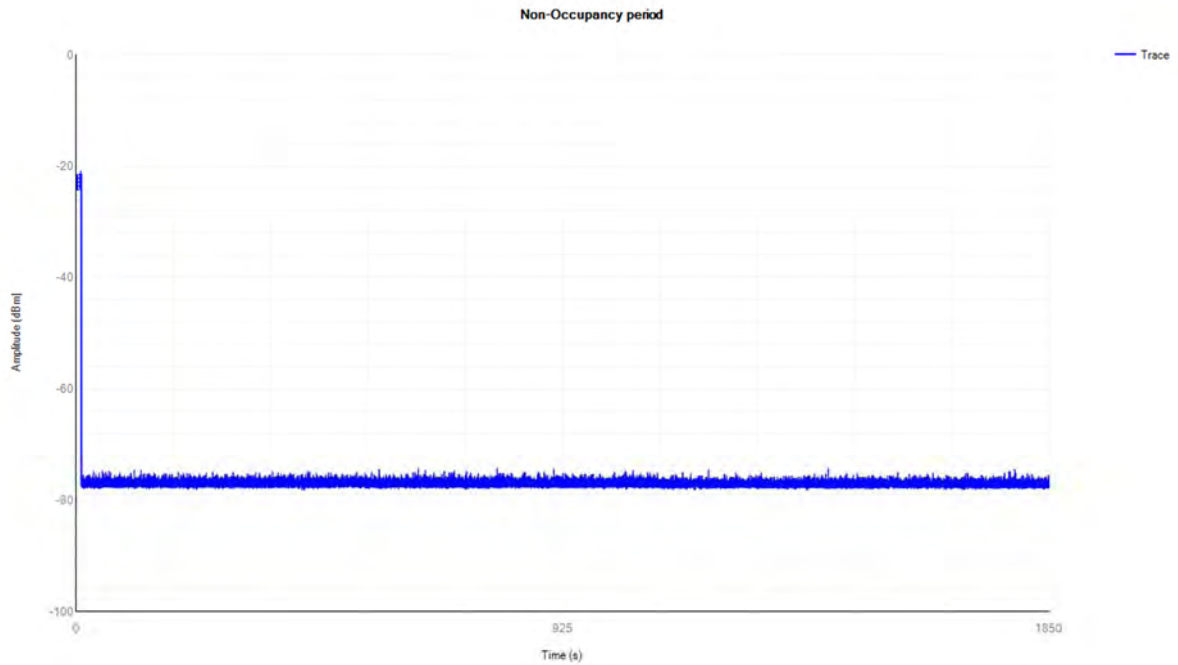
RBW: 3MHz

VBW: 3MHz

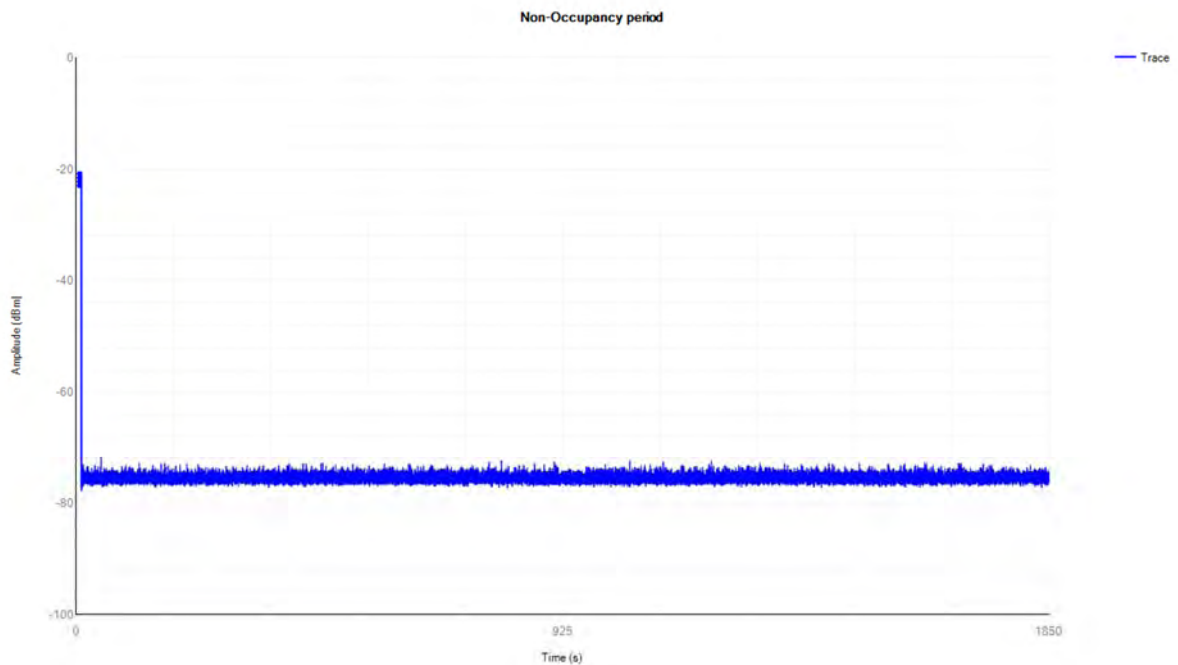
Sweep time: 1850s

Test Graphs

a 5320MHz Non-Occupancy



a 5500MHz Non-Occupancy





A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + Adapter + USB Cable + WIFI TX

Test voltage: AC 120V/60Hz

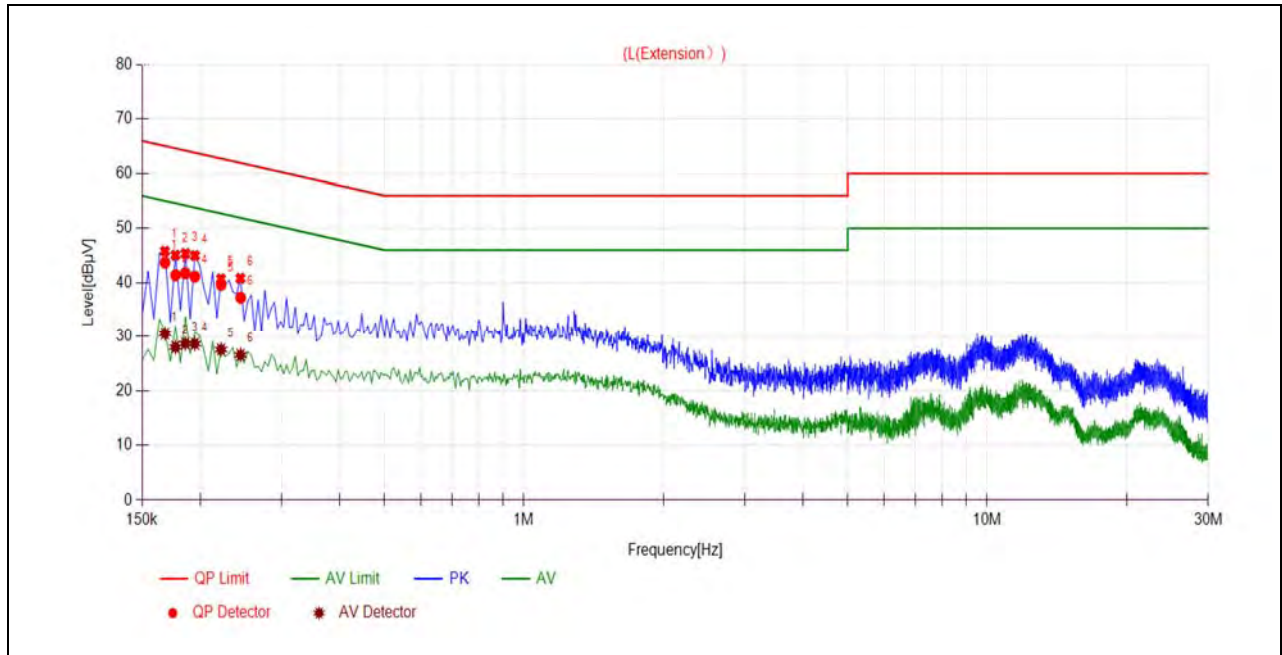
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

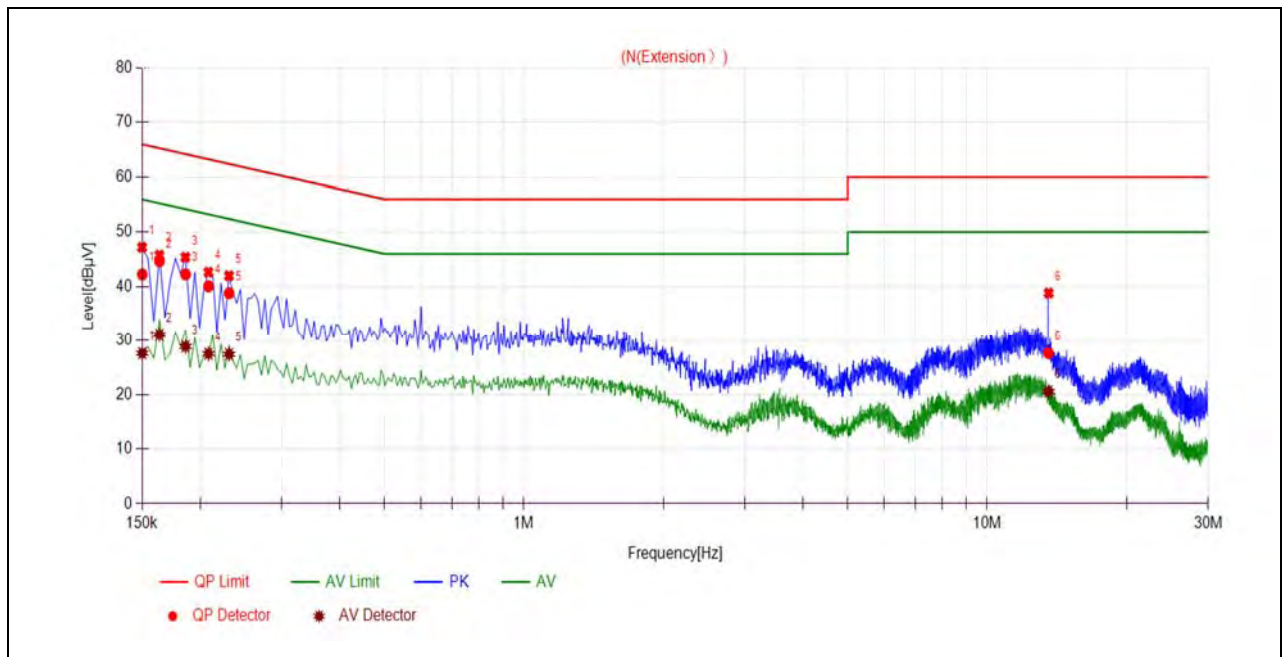
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1680	43.71	30.54	65.06	55.06	Line	PASS
2	0.1771	41.38	28.00	64.62	54.62		PASS
3	0.1858	41.76	28.67	64.22	54.22		PASS
4	0.1949	41.14	28.63	63.83	53.83		PASS
5	0.2221	39.62	27.55	62.74	52.74		PASS
6	0.2447	37.24	26.56	61.94	51.94		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1501	42.23	27.62	66.00	56.00	Neutral	PASS
2	0.1635	44.68	31.08	65.28	55.28		PASS
3	0.1861	42.26	28.86	64.21	54.21		PASS
4	0.2086	40.07	27.52	63.26	53.26		PASS
5	0.2311	38.78	27.43	62.41	52.41		PASS
6	13.5644	27.63	20.53	60.00	50.00		PASS

**A.8. Restricted Frequency Bands**

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

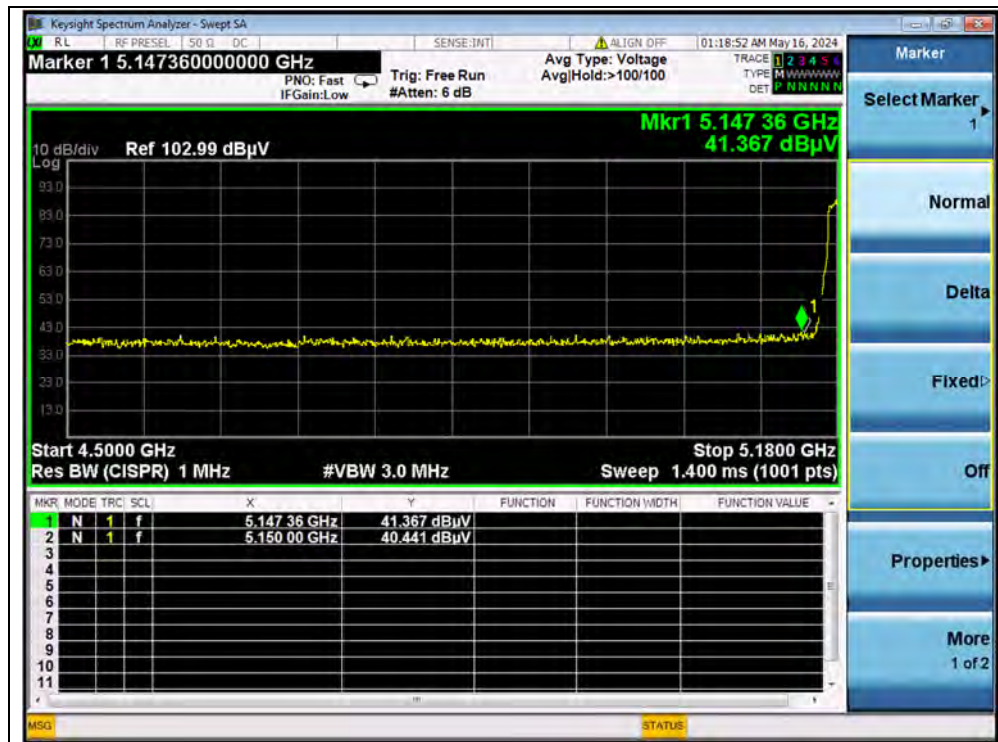
A_{Factor} : Antenna Factor at 3m

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

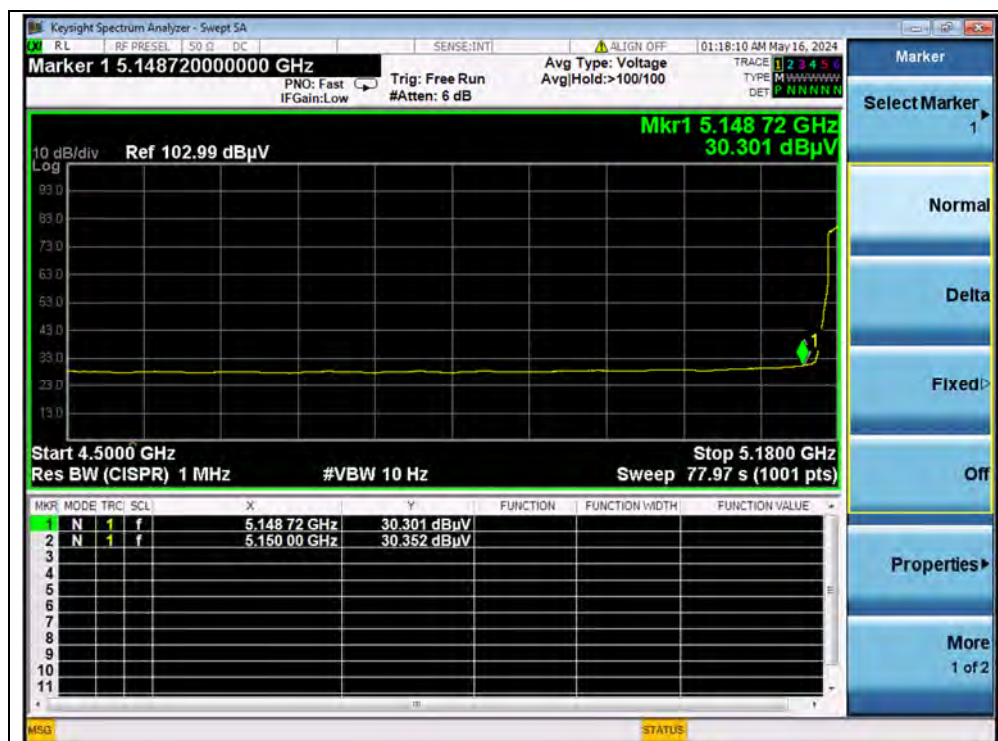
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

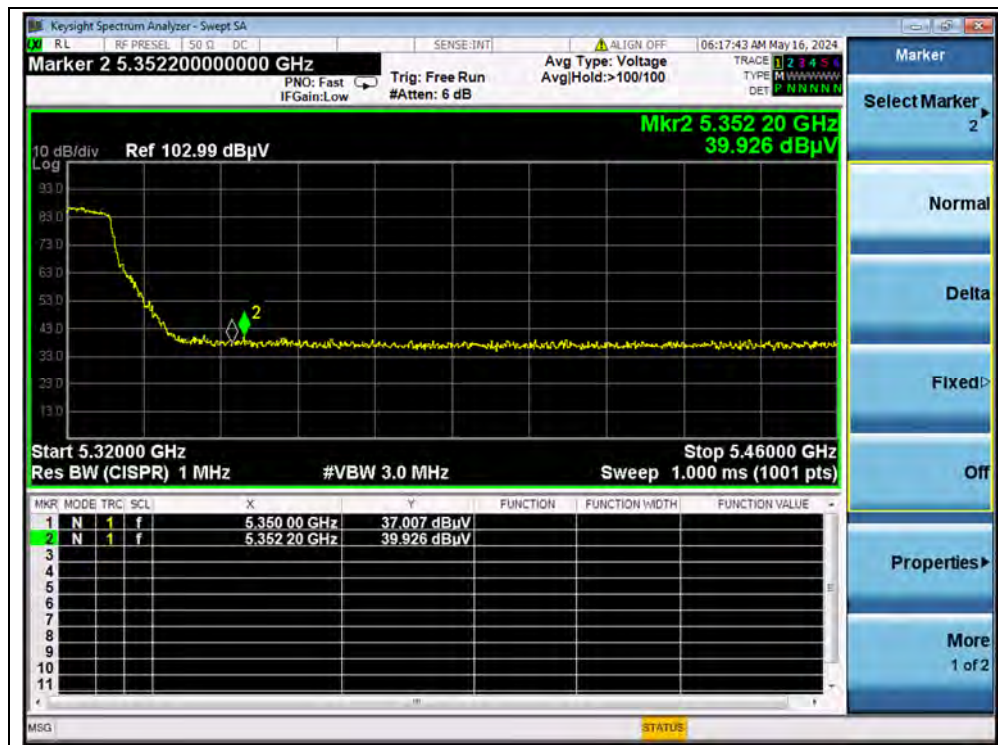
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5147.36	PK	41.37	- 19.54	32.20	54.03	74	PASS
36	5150.00	AV	30.35	- 19.54	32.20	43.01	54	PASS
64	5352.20	PK	39.93	- 18.80	32.20	53.33	74	PASS
64	5350.52	AV	28.50	- 18.80	32.20	41.90	54	PASS
100	5267.50	PK	41.35	- 19.20	32.20	54.35	68.23	PASS
100	5196.00	AV	29.96	- 19.20	32.20	42.96	54	PASS
140	5736.30	PK	41.11	- 19.20	32.20	54.11	68.23	PASS
149	5725.00	PK	45.05	- 19.01	32.20	58.24	122.23	PASS
165	5855.00	PK	41.22	- 19.01	32.20	54.41	110.83	PASS



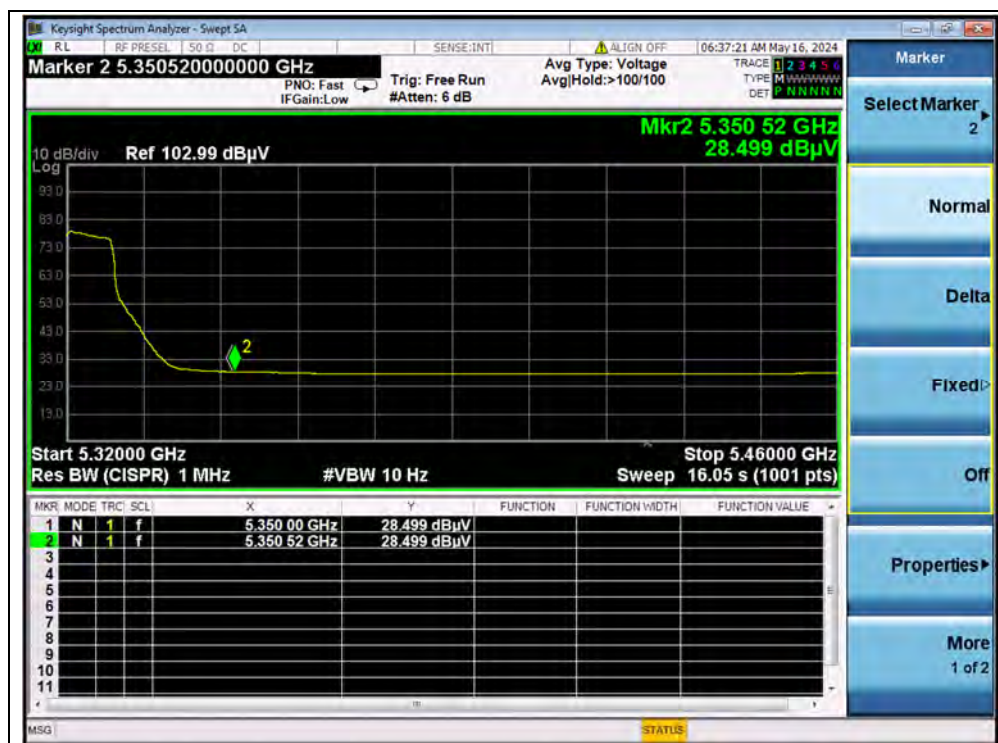
(PEAK, Channel 36, 802.11a)



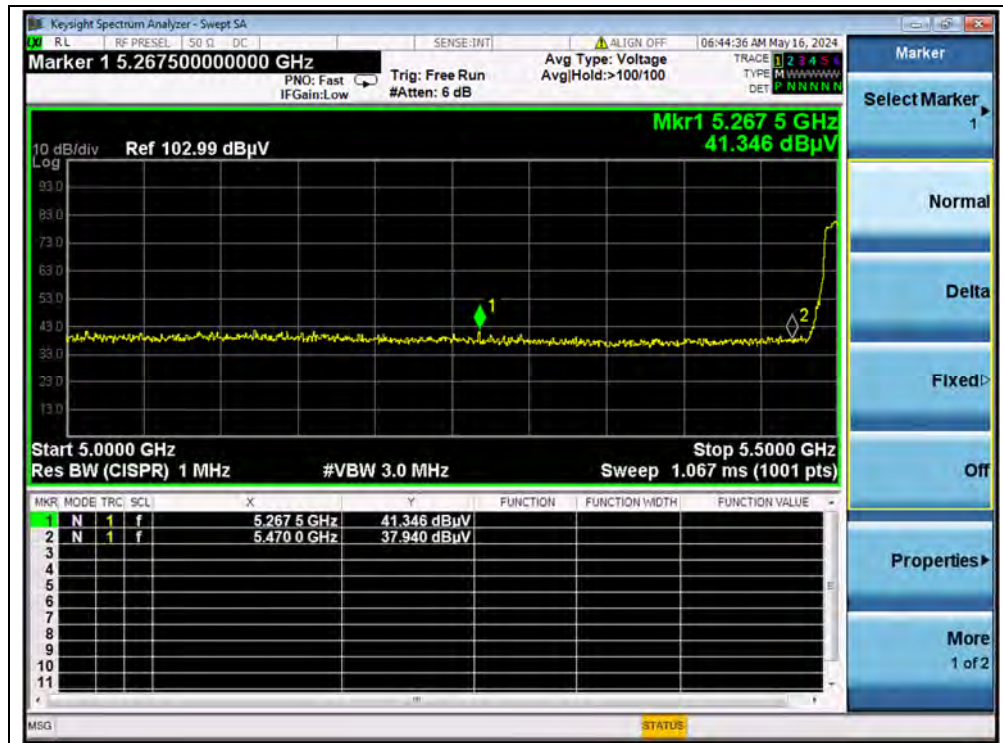
(AVERAGE, Channel 36, 802.11a)



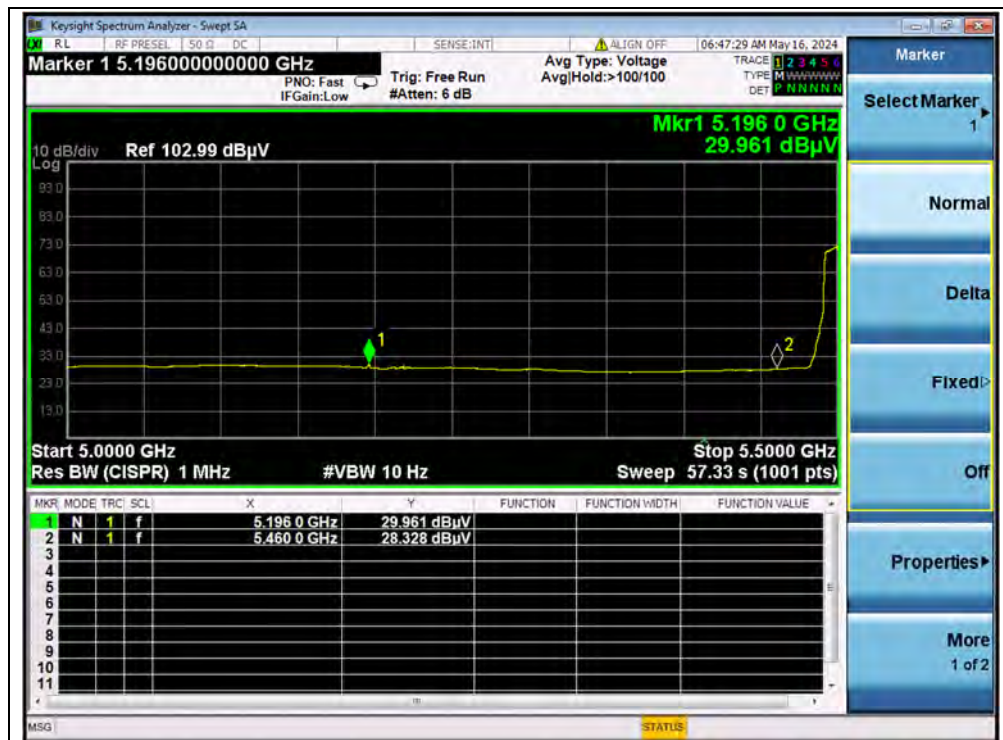
(PEAK, Channel 64, 802.11a)



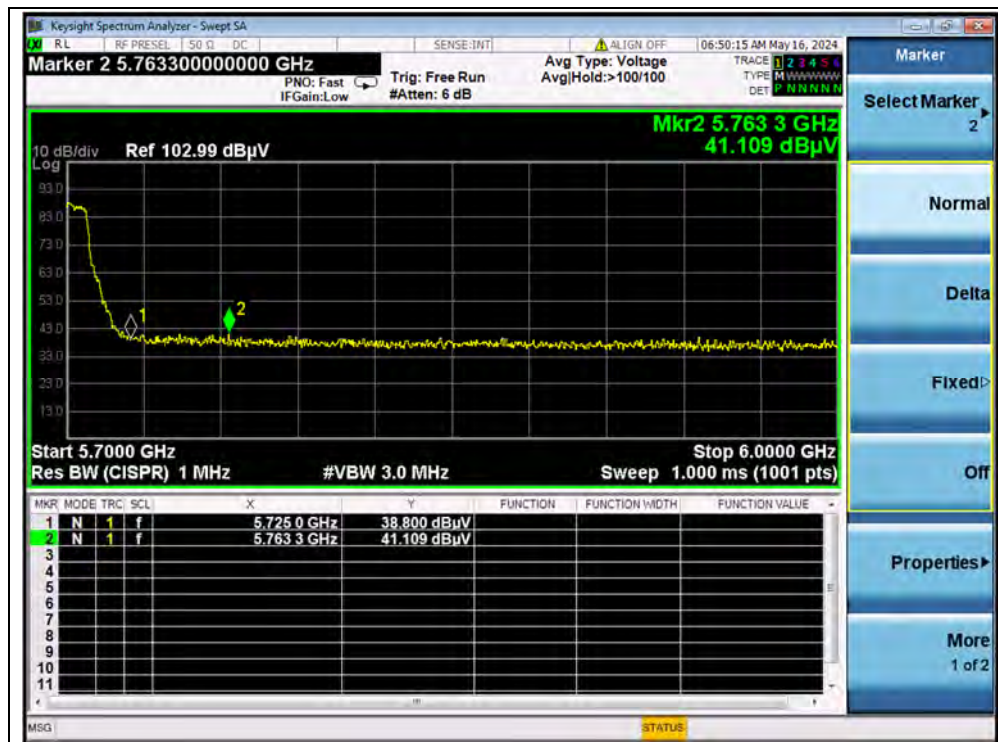
(AVERAGE, Channel 64, 802.11a)



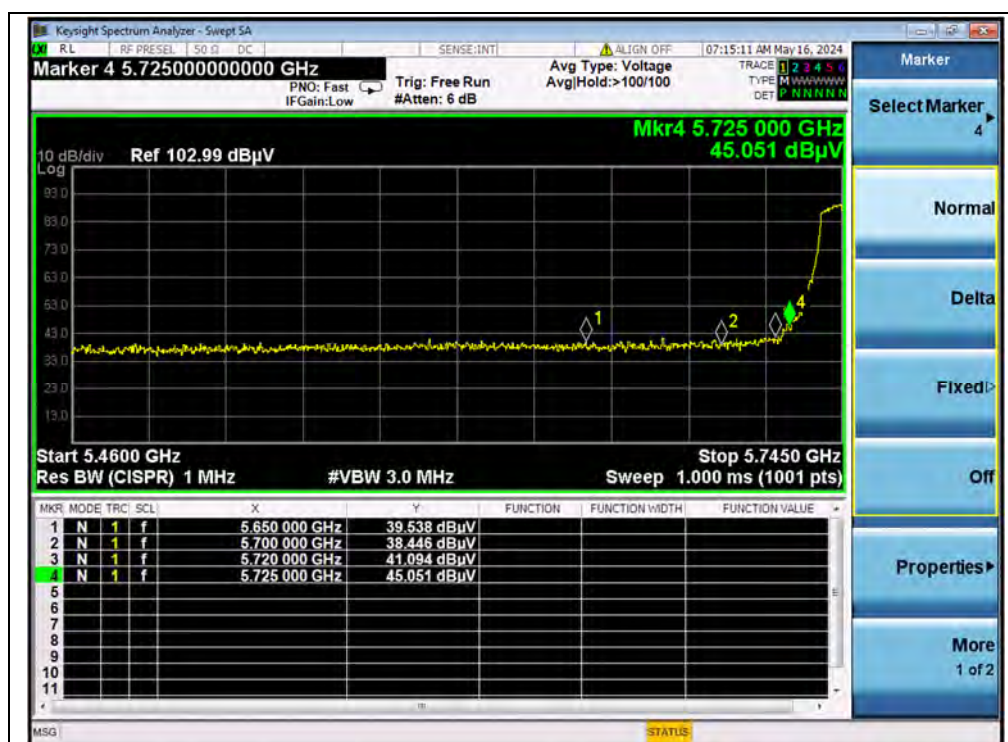
(PEAK, Channel 100, 802.11a)



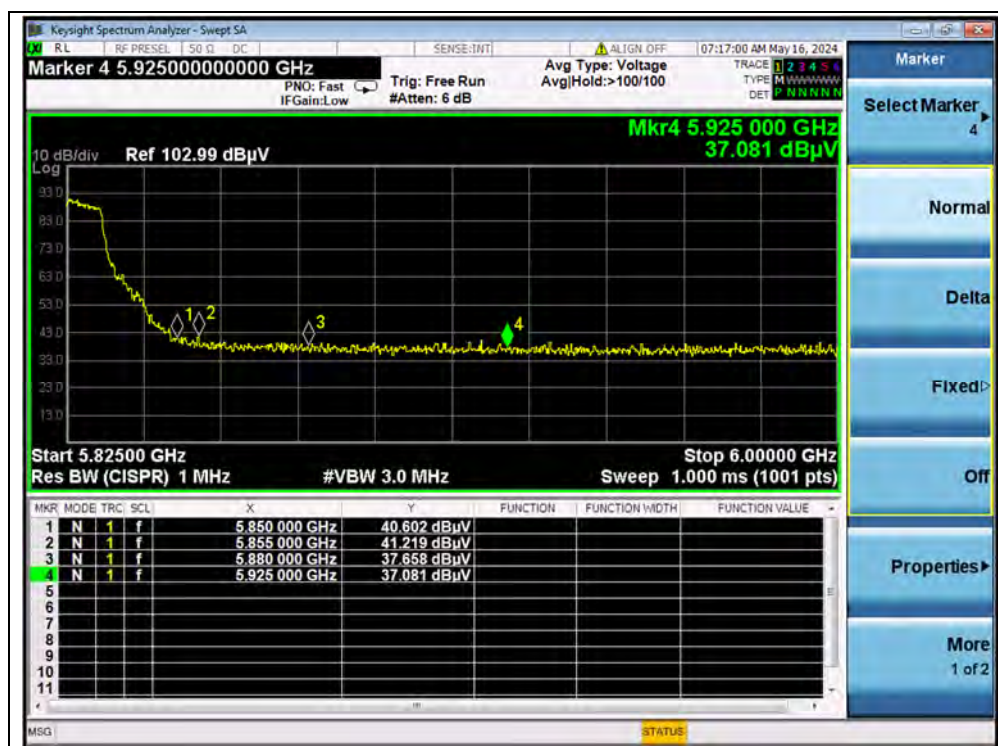
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 140, 802.11a)



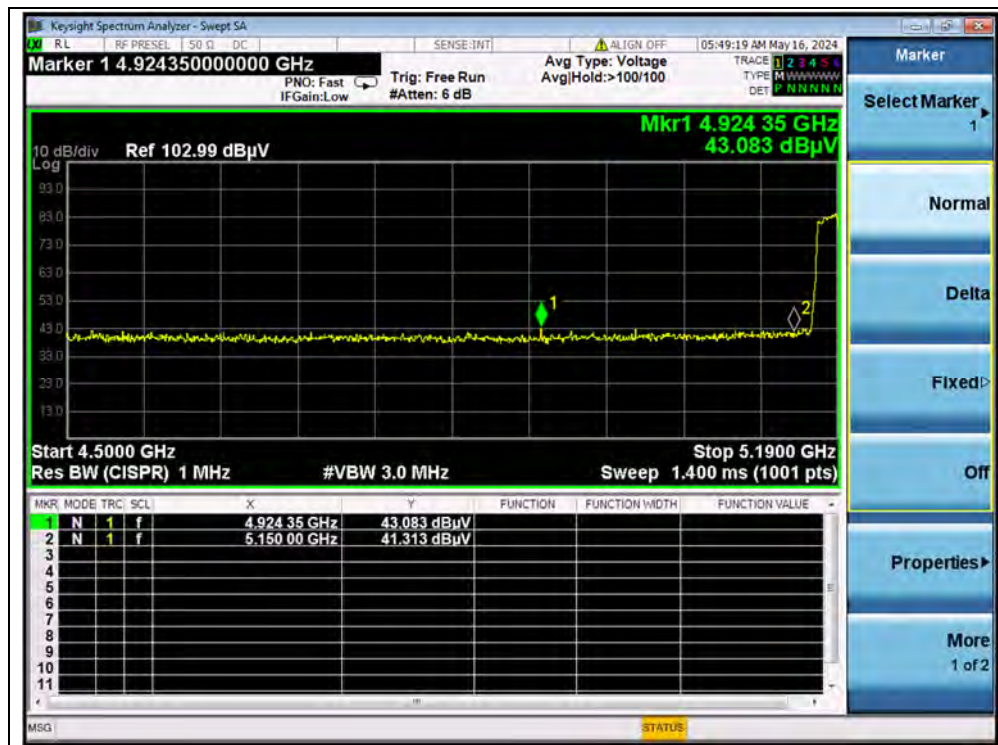
(PEAK, Channel 149, 802.11a)



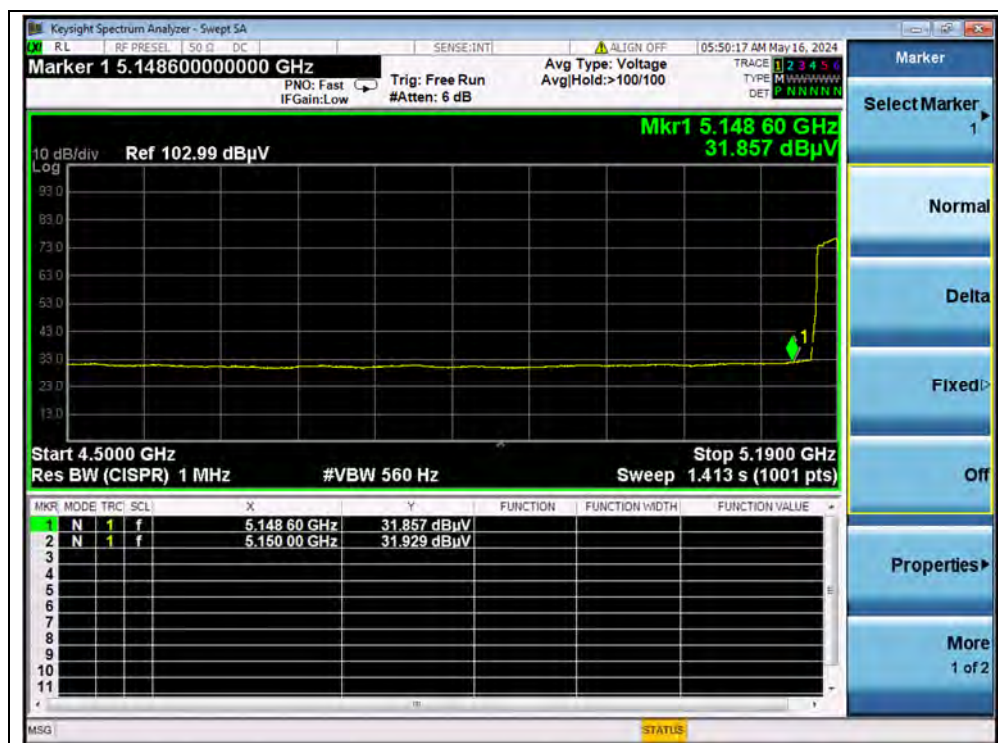
(PEAK, Channel 165, 802.11a)

**802.11n (HT40) Mode**

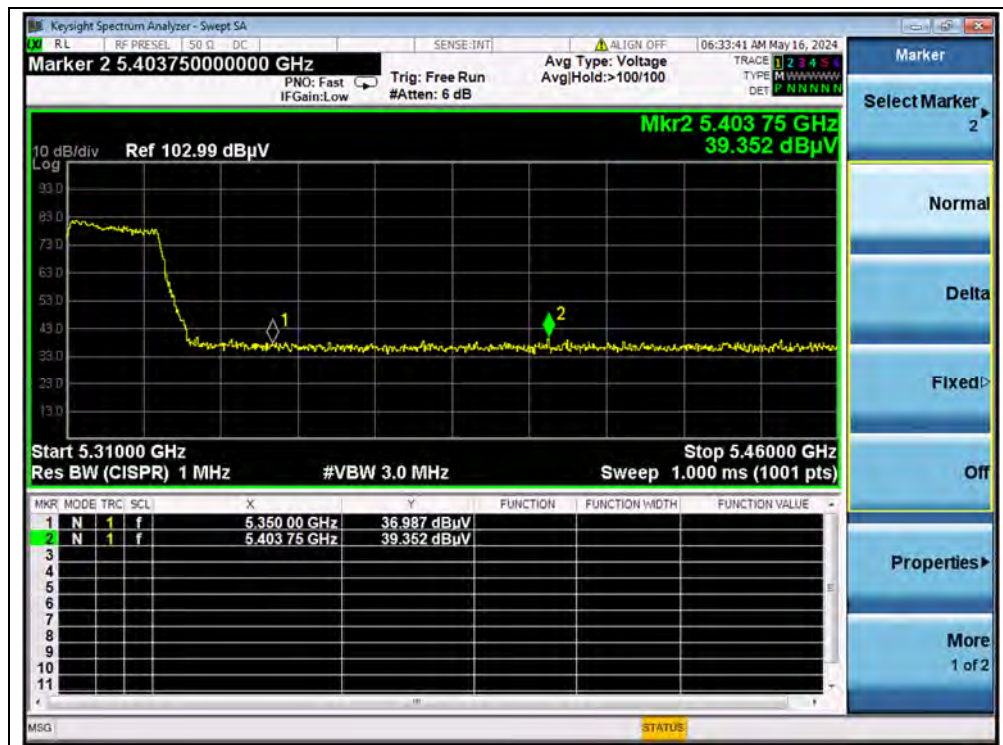
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	4924.35	PK	43.08	- 19.54	32.20	55.74	74	PASS
38	5150.00	AV	31.93	- 19.54	32.20	44.59	54	PASS
62	5403.75	PK	39.35	- 18.80	32.20	52.75	74	PASS
62	5353.20	AV	28.71	- 18.80	32.20	42.11	54	PASS
102	5461.55	PK	39.50	- 19.20	32.20	52.50	68.23	PASS
102	5178.50	AV	30.67	- 19.20	32.20	43.67	54	PASS
134	5725.00	PK	40.98	- 19.20	32.20	53.98	68.23	PASS
151	5720.00	PK	39.75	- 19.01	32.20	52.94	110.83	PASS
159	5850.00	PK	38.32	- 19.01	32.20	51.51	122.23	PASS



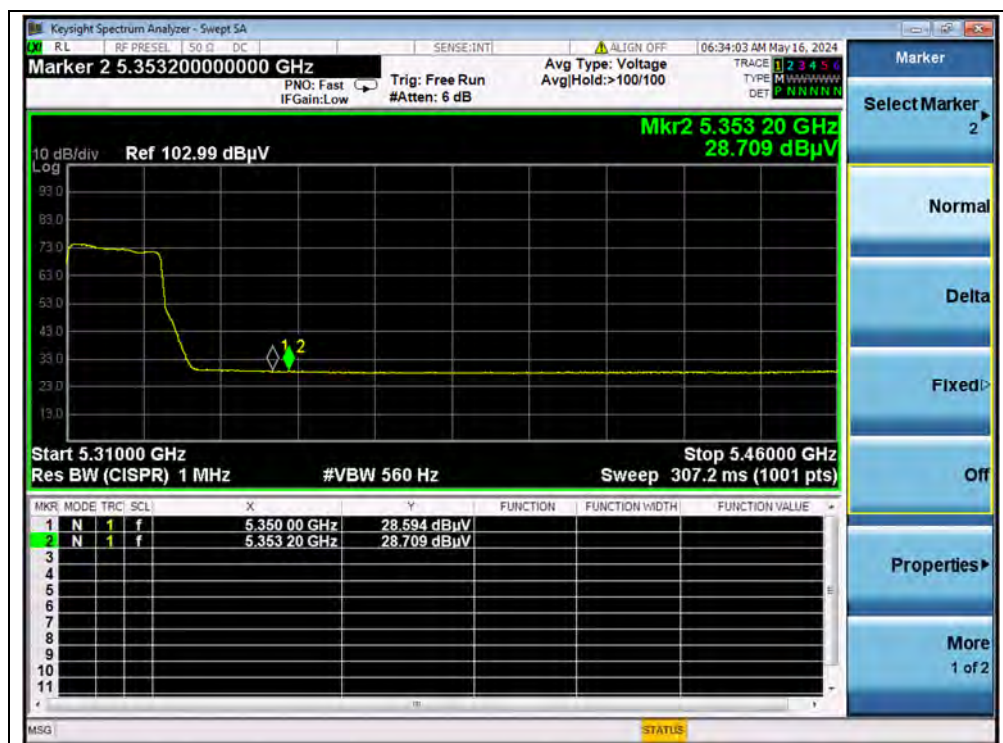
(PEAK, Channel 38, 802.11n (HT40))



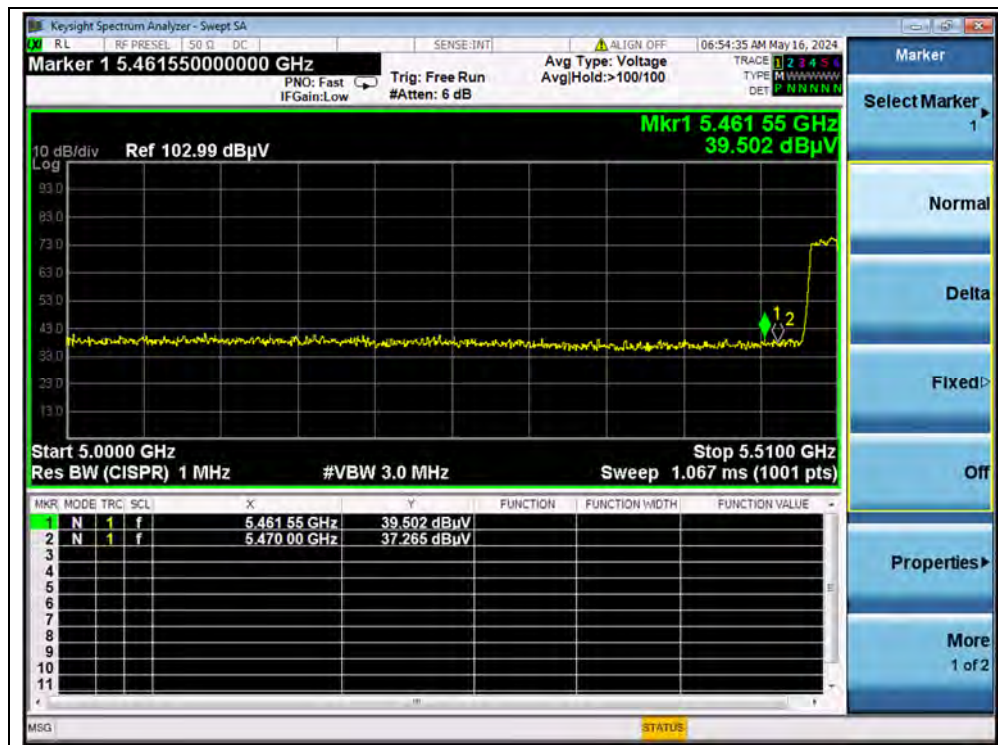
(AVERAGE, Channel 38, 802.11n (HT40))



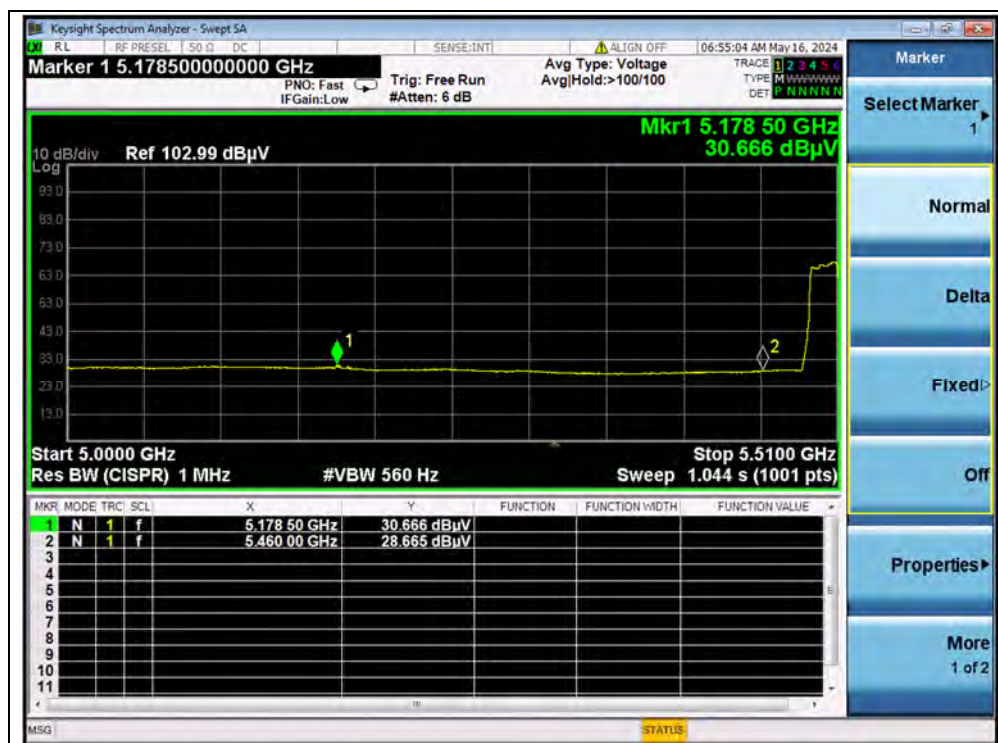
(PEAK, Channel 62, 802.11n (HT40))



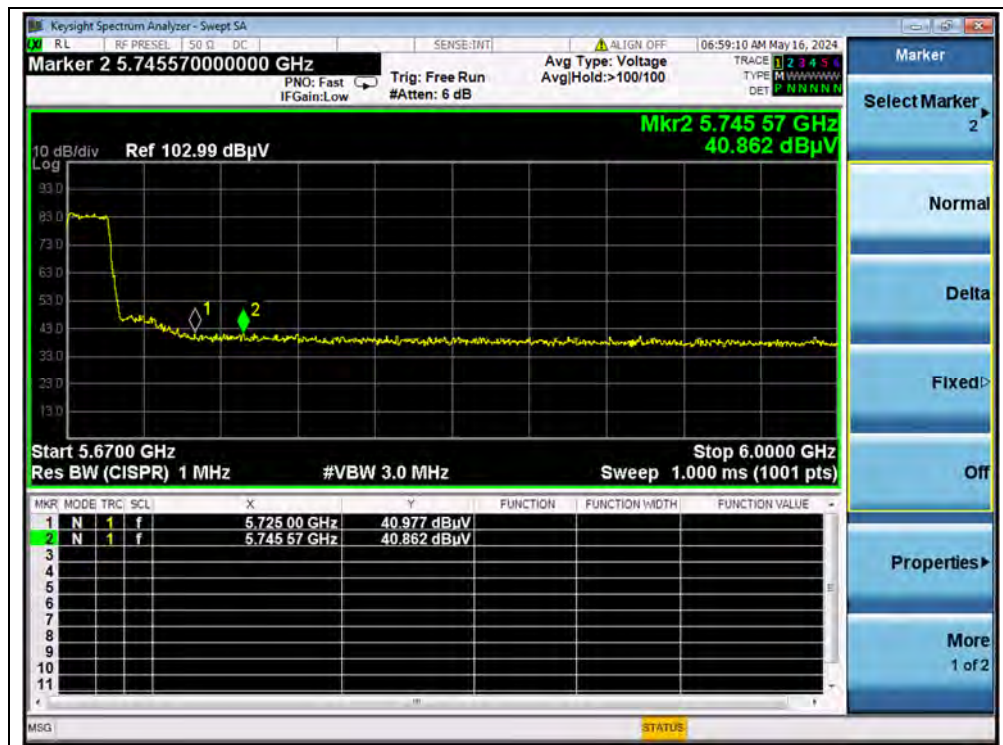
(AVERAGE, Channel 62, 802.11n (HT40))



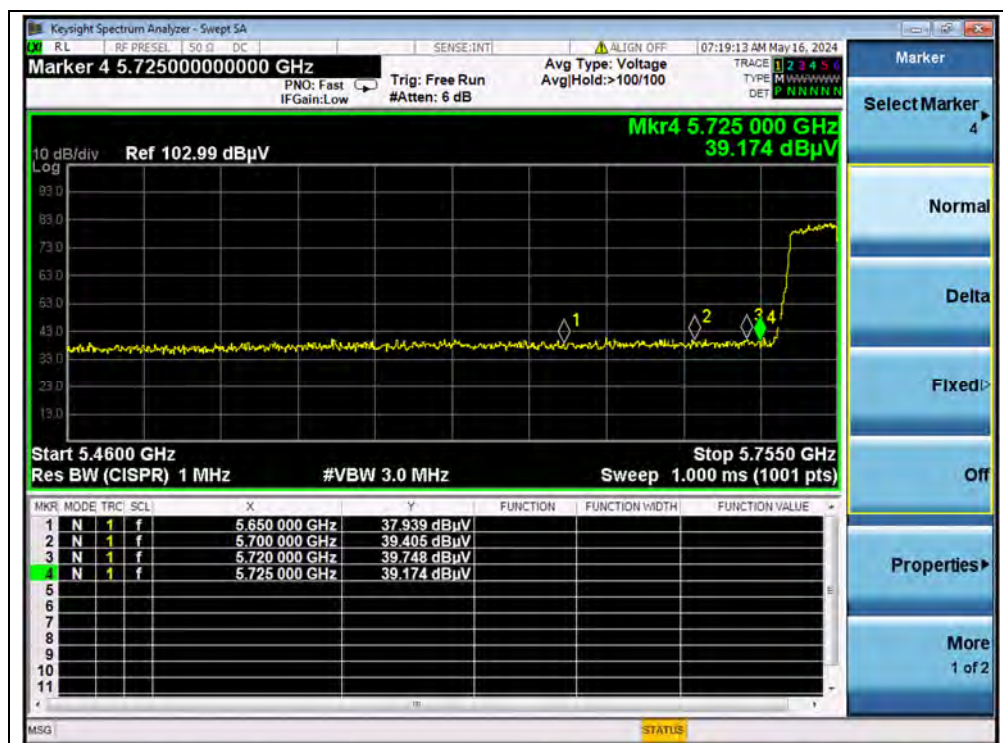
(PEAK, Channel 102, 802.11n (HT40))



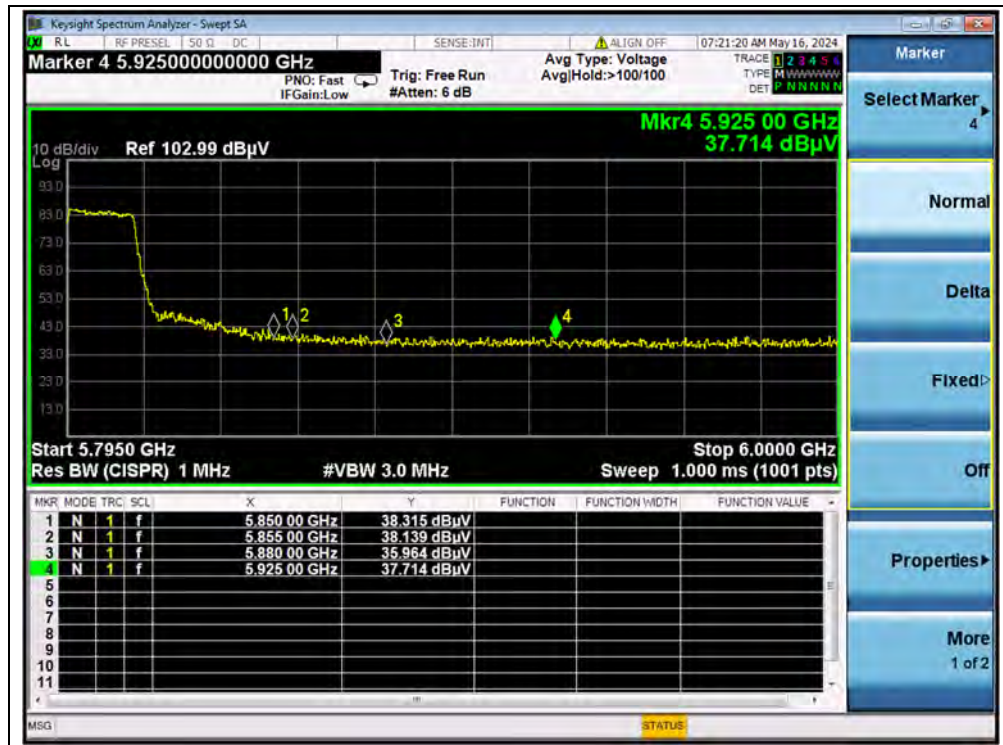
(AVERAGE, Channel 102, 802.11n (HT40))



(PEAK, Channel 134, 802.11n (HT40))



(PEAK, Channel 151, 802.11n (HT40))



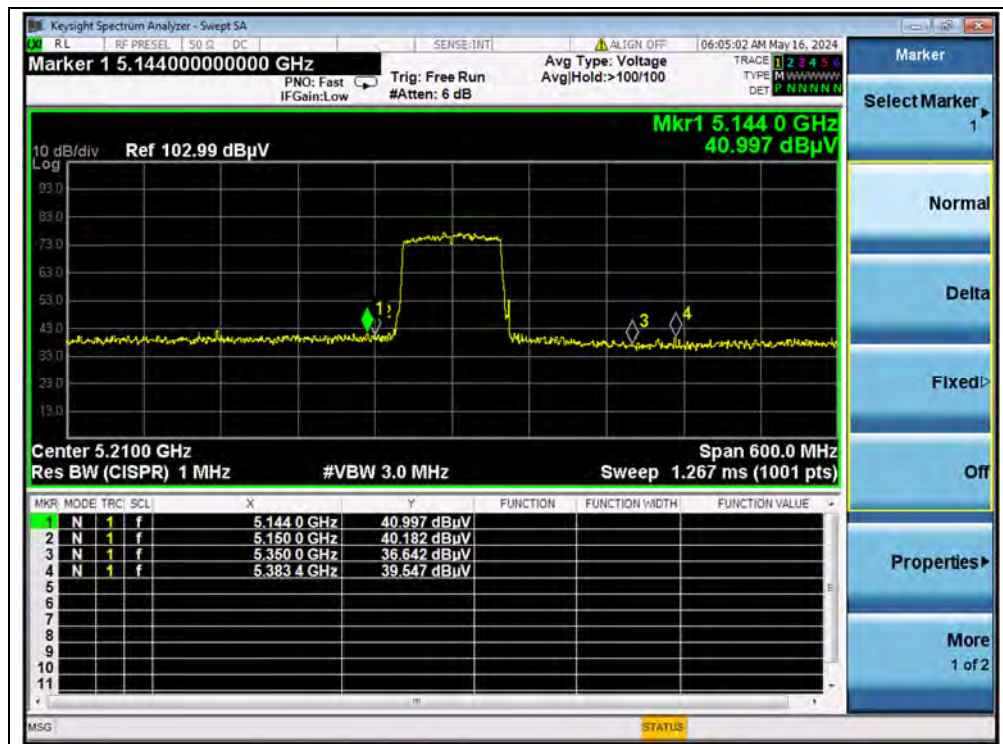
(PEAK, Channel 159, 802.11n (HT40))

802.11ac (VHT80) Mode

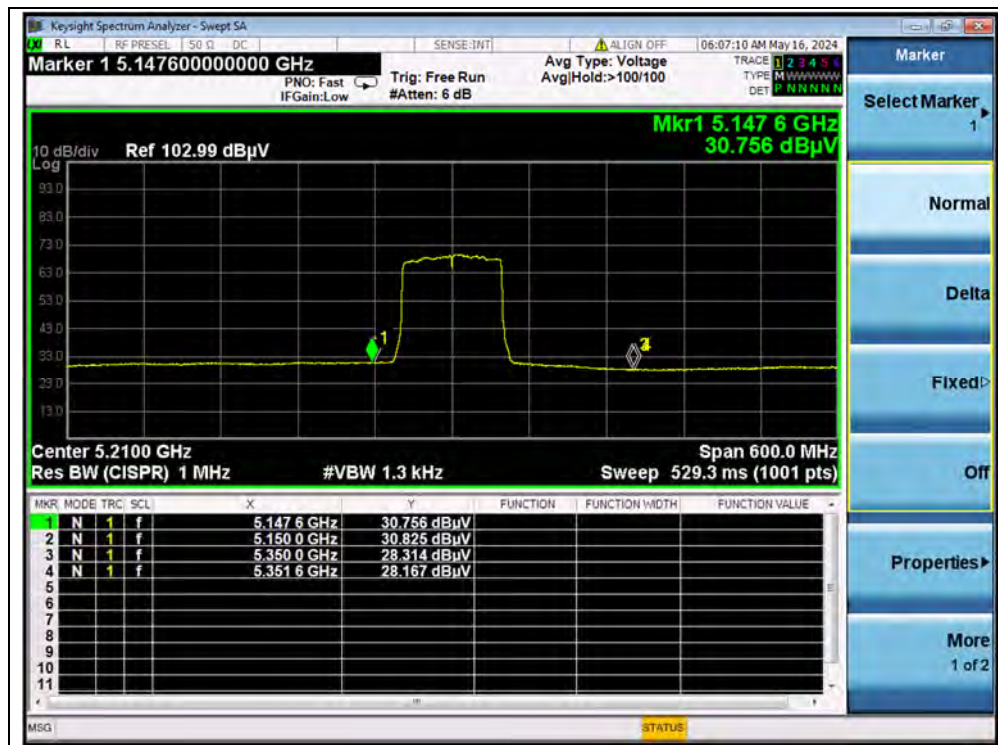
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5144.00	PK	41.00	-19.54	32.20	53.66	74	PASS
42	5150.00	AV	30.83	-19.54	32.20	43.49	54	PASS
58	5140.60	PK	41.26	-18.80	32.20	54.66	74	PASS
58	5147.20	AV	30.32	-18.80	32.20	43.72	54	PASS
106	5434.07	PK	40.11	-19.20	32.20	53.11	74	PASS
106	5460.00	AV	28.63	-19.20	32.20	41.63	54	PASS
138	5748.06	PK	41.60	-19.20	32.20	54.60	68.23	PASS



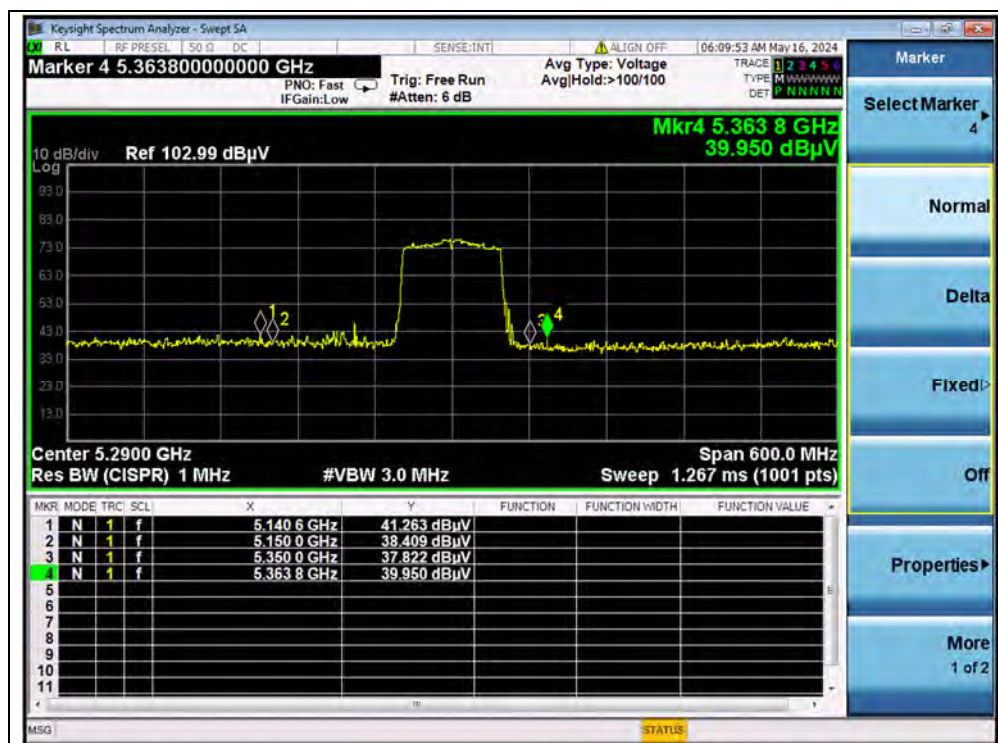
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
155	5725.00	PK	39.39	-19.01	32.20	52.58	122.23	PASS
155	5855.00	PK	39.70	-19.01	32.20	52.89	110.83	PASS



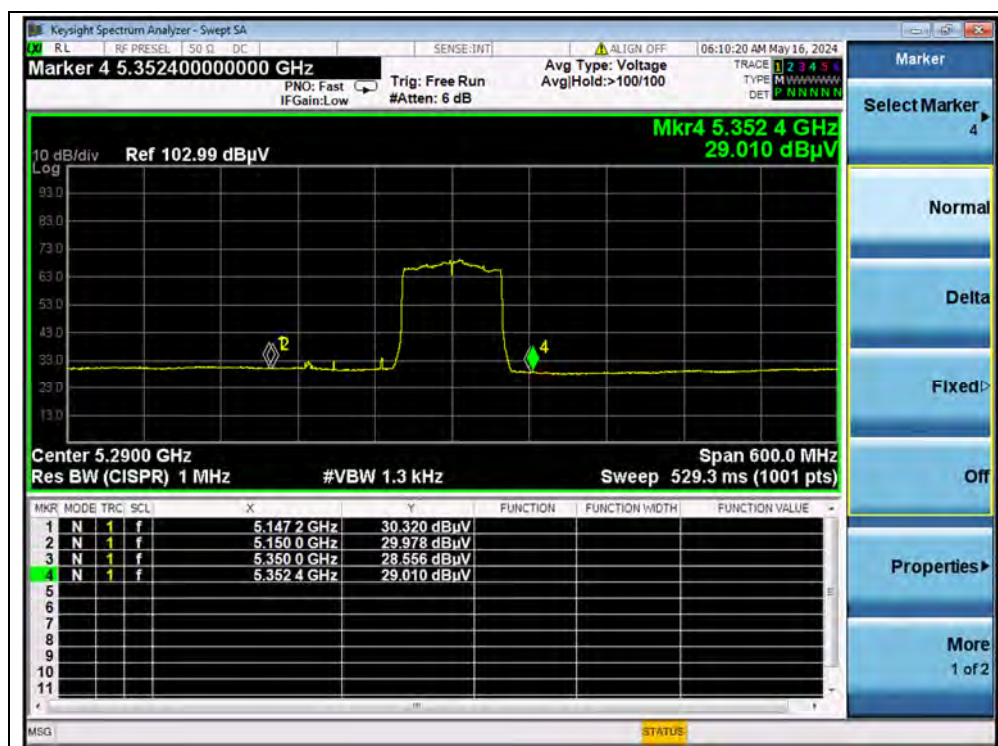
(PEAK, Channel 42, 802.11ac (VHT80))



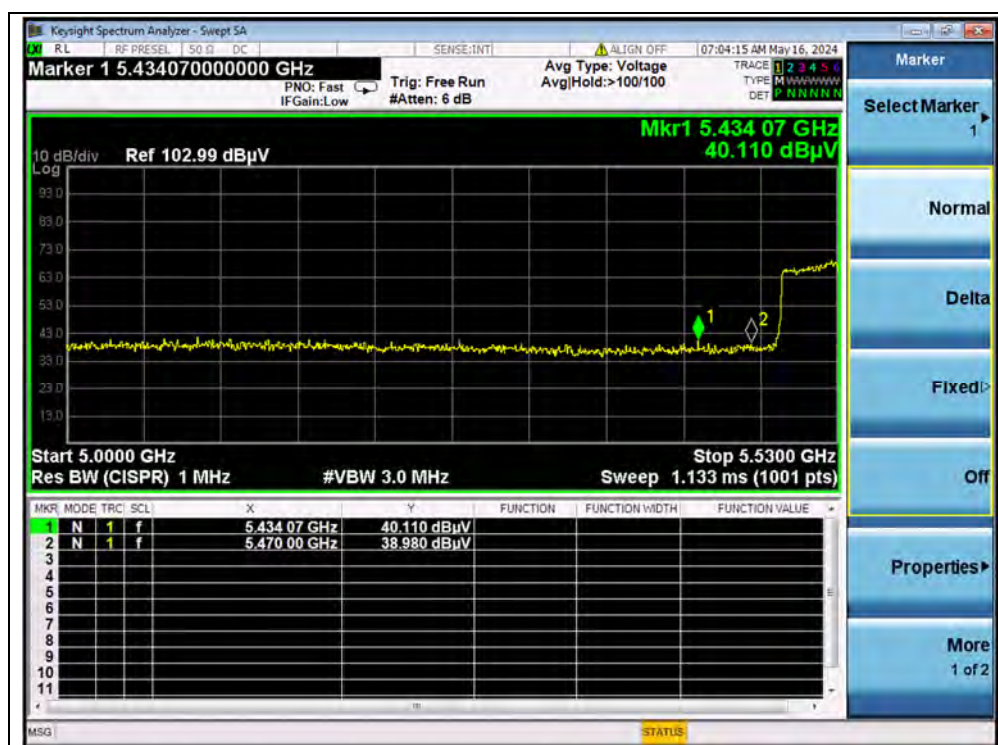
(AVERAGE, Channel 42, 802.11ac (VHT80))



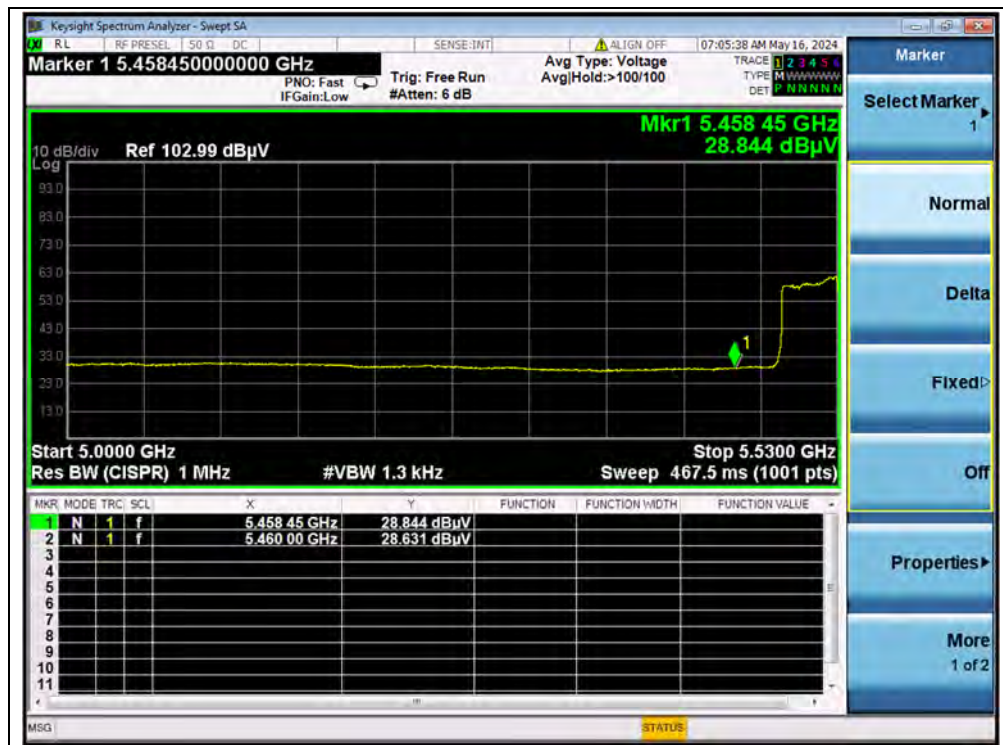
(PEAK, Channel 58, 802.11ac (VHT80))



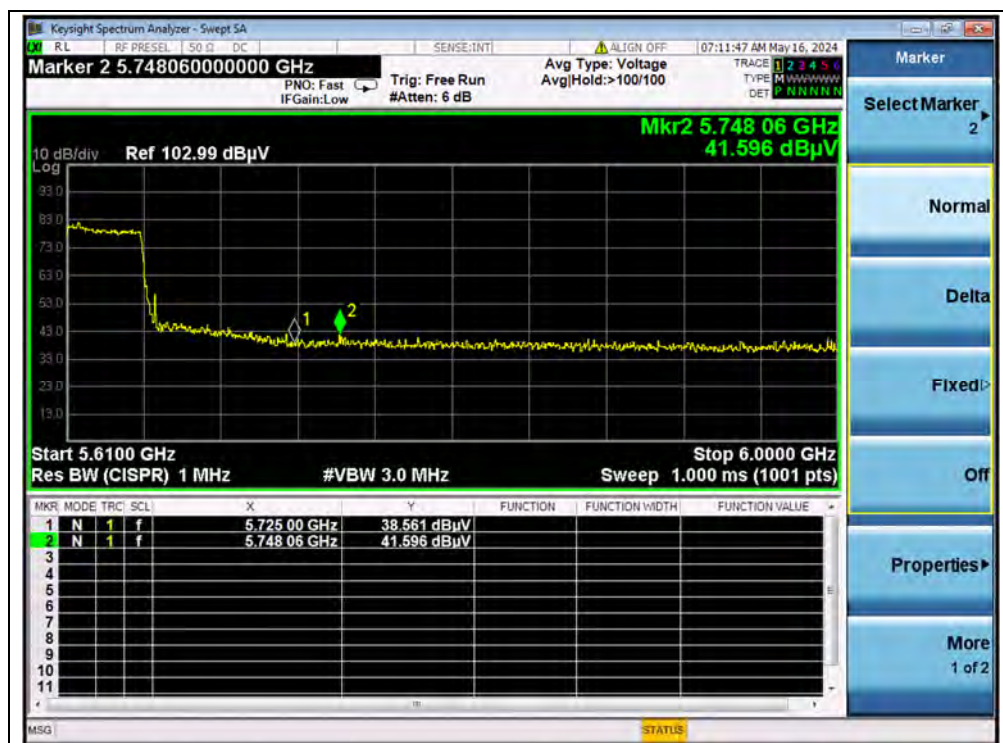
(AVERAGE, Channel 58, 802.11ac (VHT80))



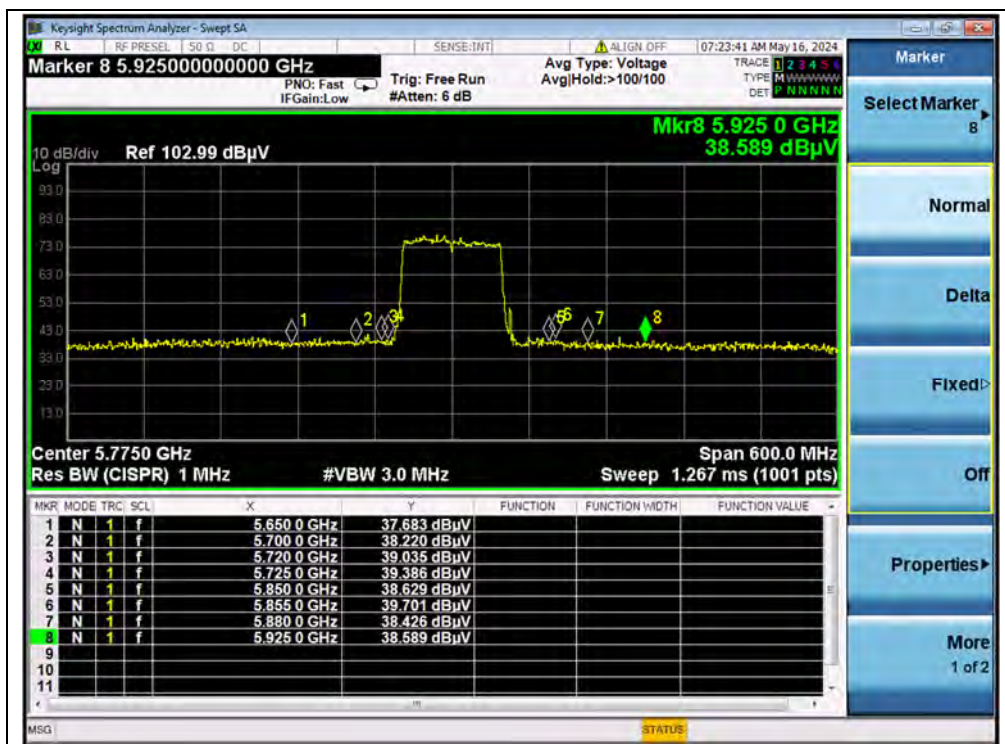
(PEAK, Channel 106, 802.11ac (VHT80))



(AVERAGE, Channel 106, 802.11ac (VHT80))



(PEAK, Channel 138, 802.11ac (VHT80))



(PEAK, Channel 155, 802.11ac (VHT80))



A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

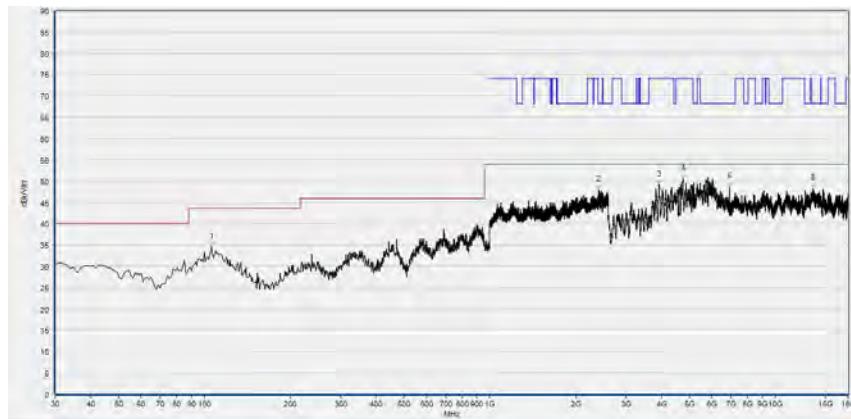
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dB μ V/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dB μ V/m)	Antenna Polarity
5536.60	70.09	27.20	6.74	104.03	Horizontal

The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

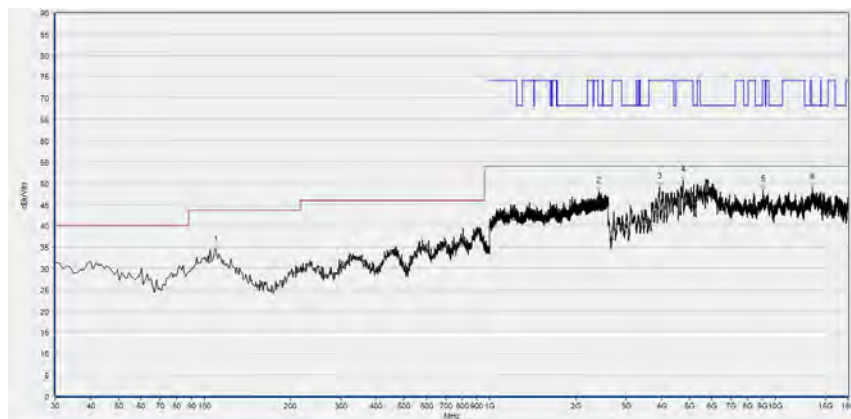
**802.11a Mode**

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	34.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2408.469	47.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3915.423	49.03	N/A	38.45	74.00	N/A	54.00	Horizontal	PASS
4744.109	50.41	N/A	40.05	74.00	N/A	54.00	Horizontal	PASS
6906.701	48.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13536.187	48.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

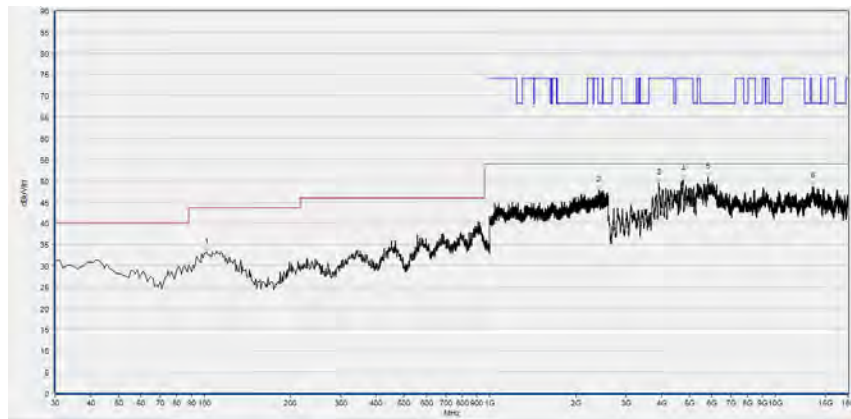
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	34.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2406.335	48.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3924.665	49.06	N/A	38.26	74.00	N/A	54.00	Vertical	PASS
4744.109	50.63	N/A	40.15	74.00	N/A	54.00	Vertical	PASS
9078.536	48.45	N/A	37.66	74.00	N/A	54.00	Vertical	PASS
13493.059	49.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

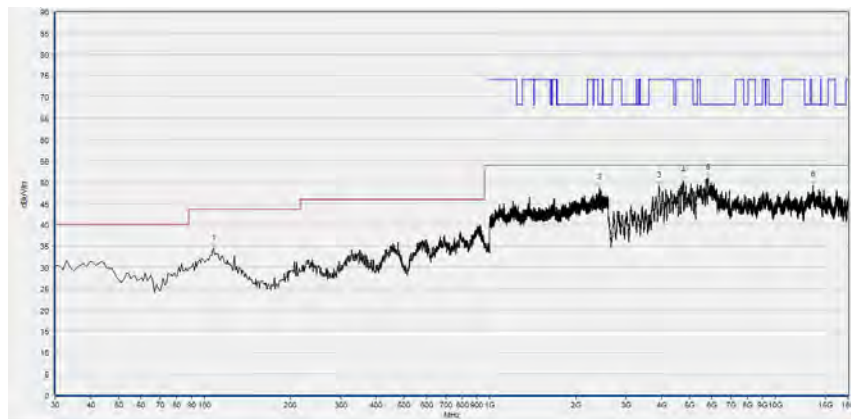
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	33.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2410.070	47.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3912.342	49.41	N/A	39.16	74.00	N/A	54.00	Horizontal	PASS
4744.109	50.24	N/A	40.08	74.00	N/A	54.00	Horizontal	PASS
5816.163	50.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13576.235	48.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

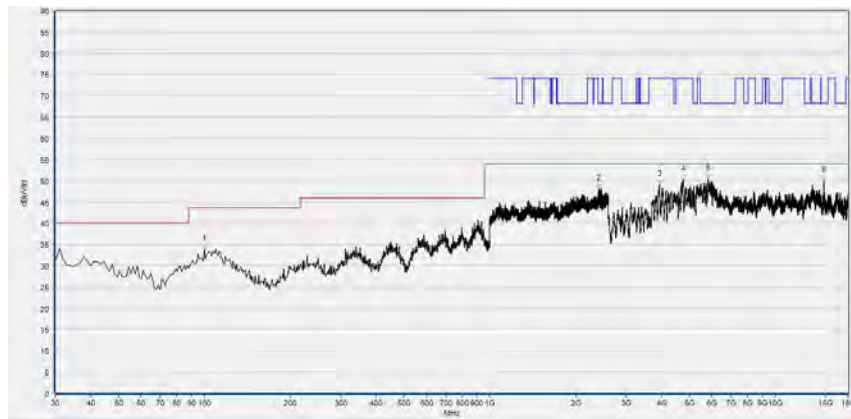
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	34.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2417.006	48.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3918.504	49.12	N/A	38.62	74.00	N/A	54.00	Vertical	PASS
4747.189	50.23	N/A	39.79	74.00	N/A	54.00	Vertical	PASS
5816.163	50.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13557.752	49.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

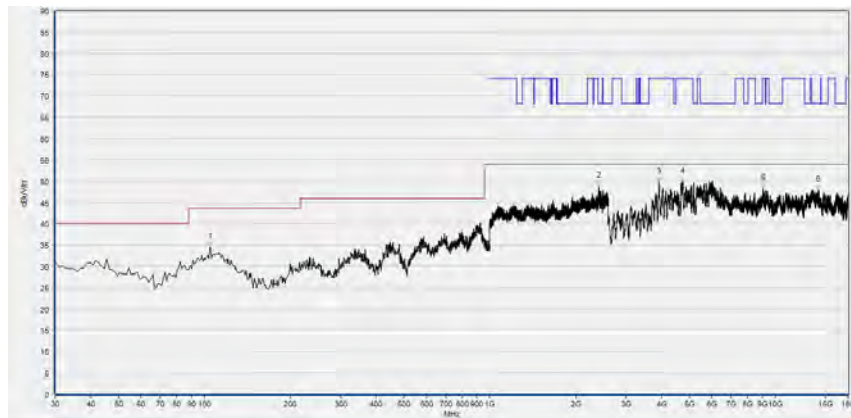
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	33.88	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.271	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3930.826	49.08	N/A	38.42	74.00	N/A	54.00	Horizontal	PASS
4747.189	50.20	N/A	39.80	74.00	N/A	54.00	Horizontal	PASS
5822.324	50.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14823.885	49.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

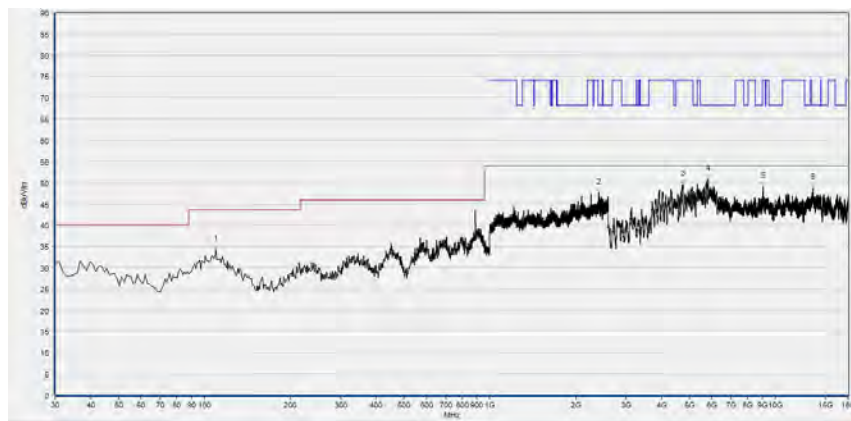


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	34.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2410.604	48.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3918.504	49.81	N/A	39.15	74.00	N/A	54.00	Vertical	PASS
4731.786	49.70	N/A	39.08	74.00	N/A	54.00	Vertical	PASS
9075.455	48.27	N/A	37.66	74.00	N/A	54.00	Vertical	PASS
14170.794	47.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

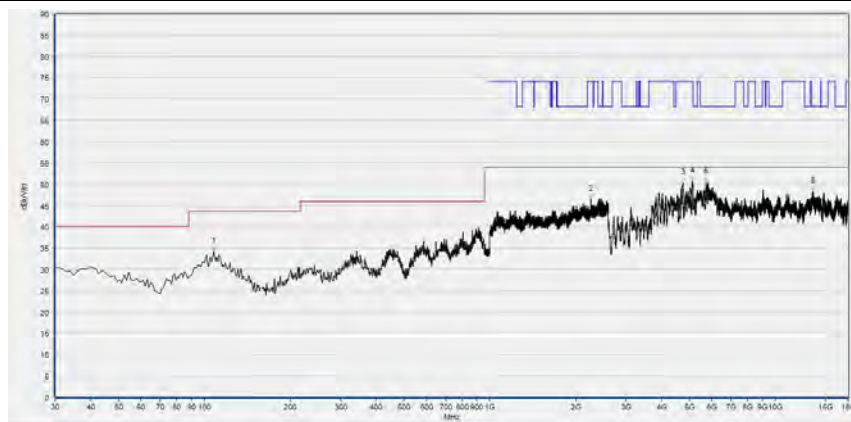


Plot for Channel 52



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	34.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2414.872	47.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4744.109	49.55	N/A	39.62	74.00	N/A	54.00	Horizontal	PASS
5822.324	50.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9075.455	49.03	N/A	38.13	74.00	N/A	54.00	Horizontal	PASS
13563.913	48.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

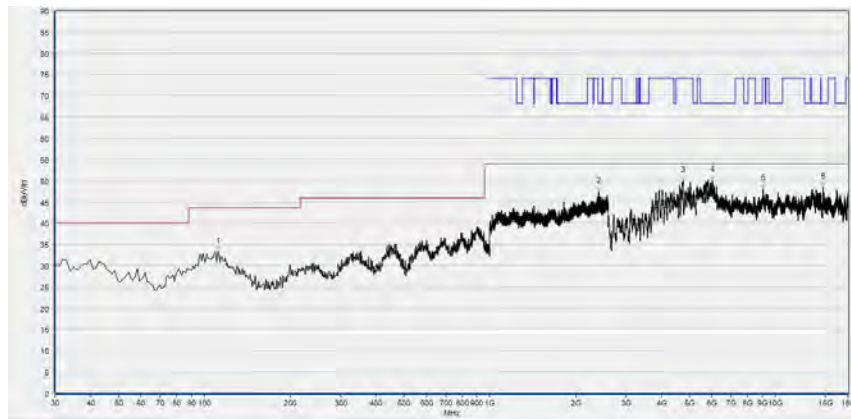
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	34.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2258.019	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4741.028	50.20	N/A	40.01	74.00	N/A	54.00	Vertical	PASS
5129.186	50.53	N/A	40.13	74.00	N/A	54.00	Vertical	PASS
5732.987	50.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13563.913	48.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

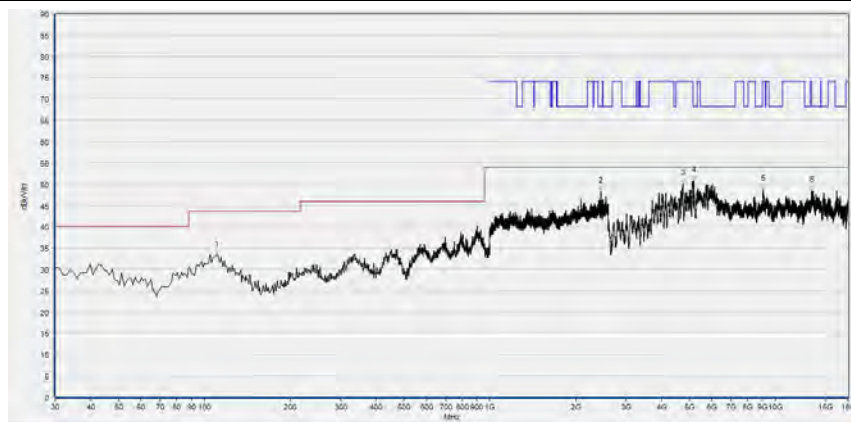
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
111.562	33.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2407.402	47.41	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4744.109	49.98	N/A	39.25	74.00	N/A	54.00	Horizontal	PASS
6031.806	50.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9075.455	48.08	N/A	37.63	74.00	N/A	54.00	Horizontal	PASS
14734.547	48.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

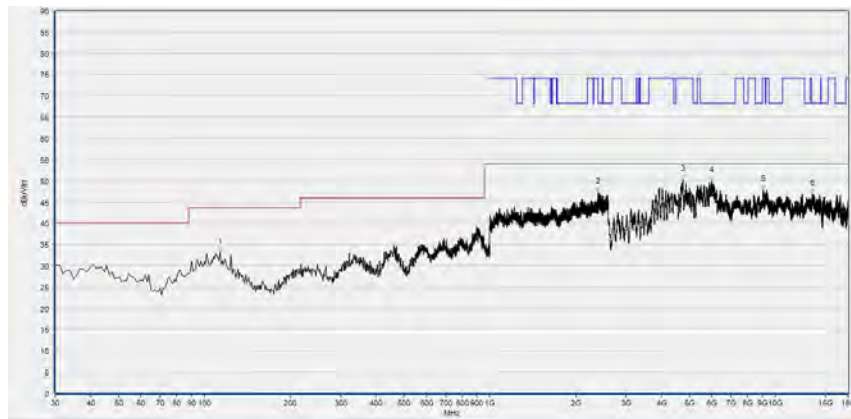


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	33.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2449.016	48.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4741.028	50.04	N/A	39.81	74.00	N/A	54.00	Vertical	PASS
5187.718	50.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9081.616	48.81	N/A	38.33	74.00	N/A	54.00	Vertical	PASS
13434.527	48.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

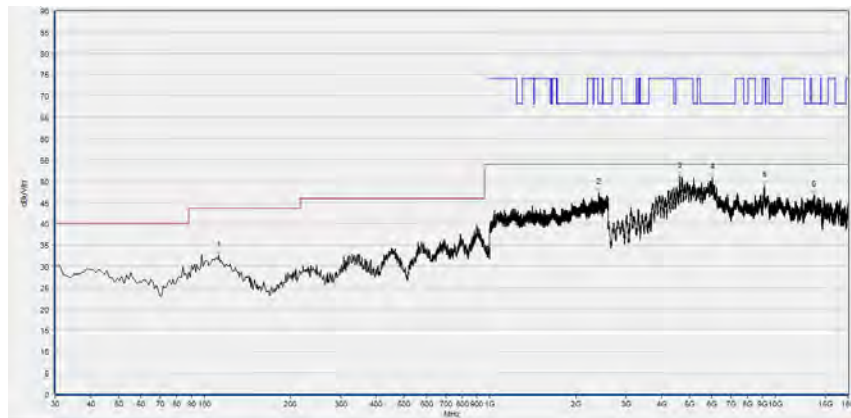


Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.504	33.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2390.330	47.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4741.028	50.35	N/A	41.25	74.00	N/A	54.00	Horizontal	PASS
5973.275	49.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9090.858	47.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13462.252	46.89	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

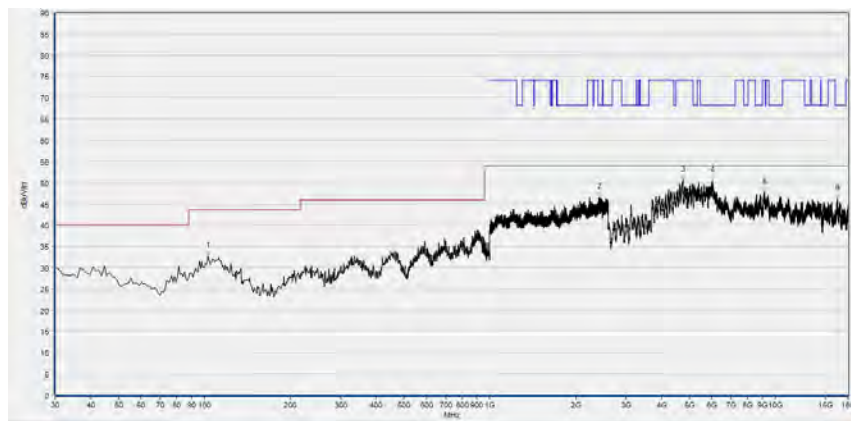


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.533	32.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2407.402	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4627.045	51.19	N/A	40.60	74.00	N/A	54.00	Vertical	PASS
6025.645	50.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9177.115	48.86	N/A	39.55	74.00	N/A	54.00	Vertical	PASS
13687.137	46.69	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

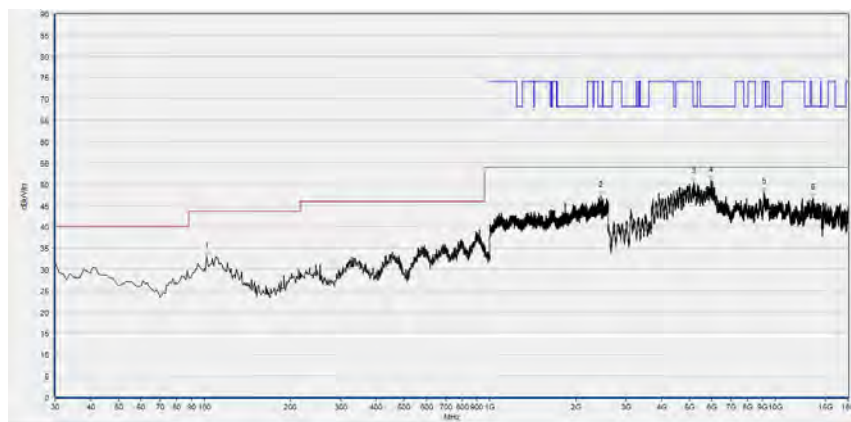


Plot for Channel 100



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2418.606	46.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4741.028	50.64	N/A	39.88	74.00	N/A	54.00	Horizontal	PASS
6022.565	50.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9170.954	47.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16462.773	46.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

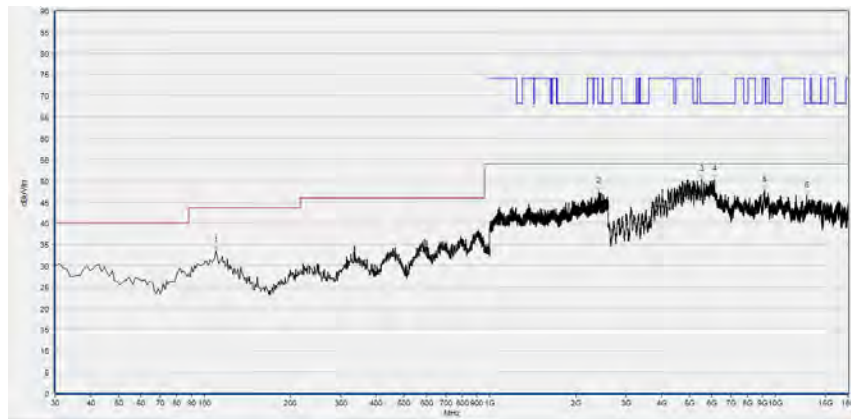
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2448.483	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5187.718	50.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5939.388	50.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9137.067	48.07	N/A	37.63	74.00	N/A	54.00	Vertical	PASS
13560.832	46.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

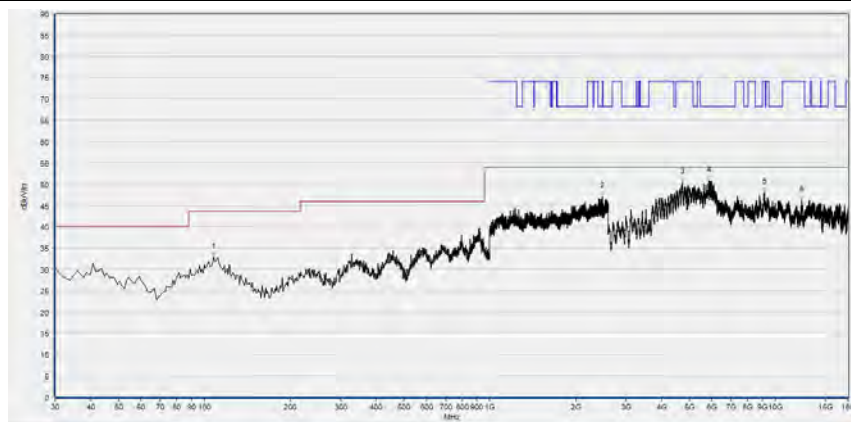
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.271	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5520.424	50.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6127.305	50.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9164.793	47.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12892.338	46.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

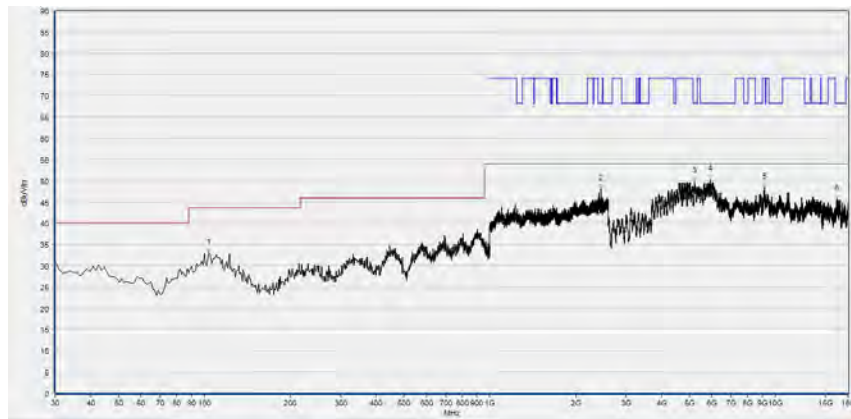


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.81	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2484.762	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4731.786	50.42	N/A	39.82	74.00	N/A	54.00	Vertical	PASS
5846.969	50.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9161.712	48.15	N/A	37.63	74.00	N/A	54.00	Vertical	PASS
12368.634	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

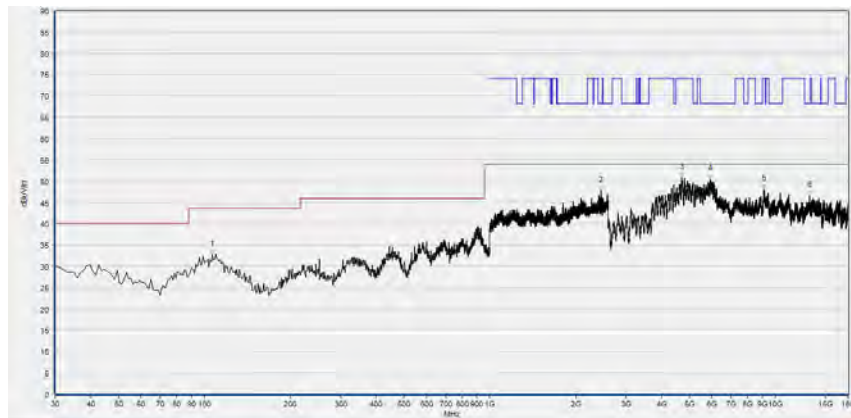


Plot for Channel 140



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	33.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2454.885	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5218.524	49.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5914.743	50.23	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9152.470	48.47	N/A	38.15	74.00	N/A	54.00	Horizontal	PASS
16450.450	45.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

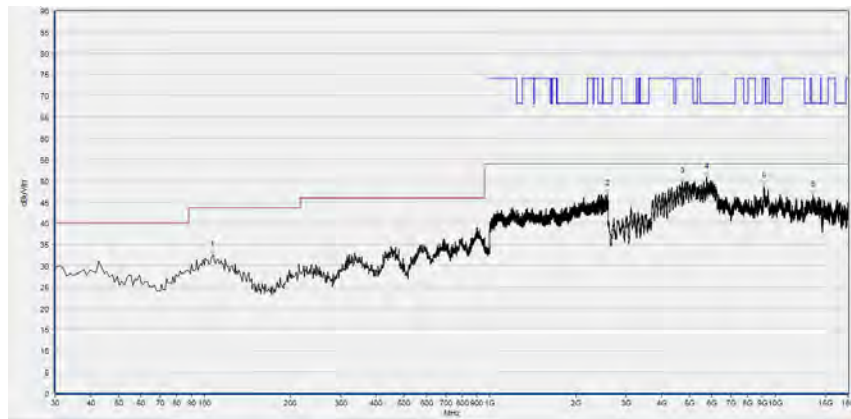


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2449.016	47.76	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4707.141	50.82	N/A	40.06	74.00	N/A	54.00	Vertical	PASS
5905.501	50.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9127.826	48.03	N/A	37.63	74.00	N/A	54.00	Vertical	PASS
13203.481	46.51	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

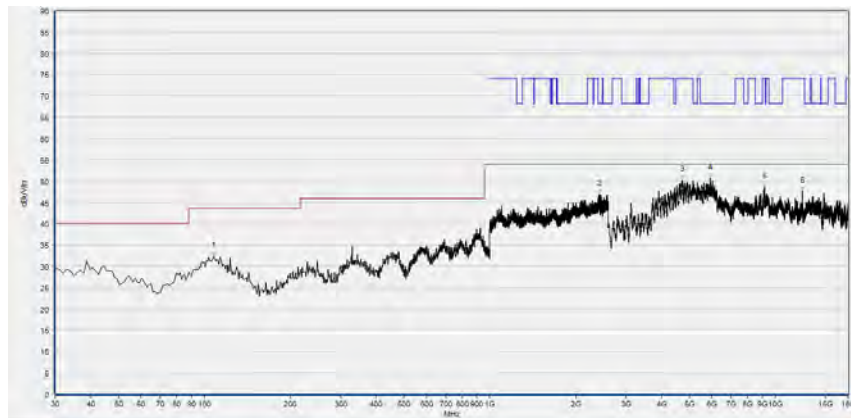


Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2573.858	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4734.867	49.83	N/A	38.91	74.00	N/A	54.00	Horizontal	PASS
5745.309	50.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9143.229	48.62	N/A	37.57	74.00	N/A	54.00	Horizontal	PASS
13563.913	46.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

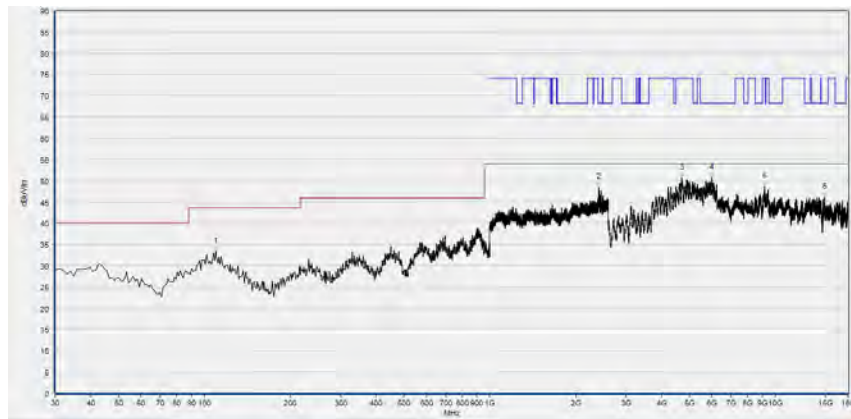


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2418.073	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4716.383	50.21	N/A	39.54	74.00	N/A	54.00	Vertical	PASS
5927.065	50.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9189.438	48.63	N/A	37.81	74.00	N/A	54.00	Vertical	PASS
12439.488	47.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

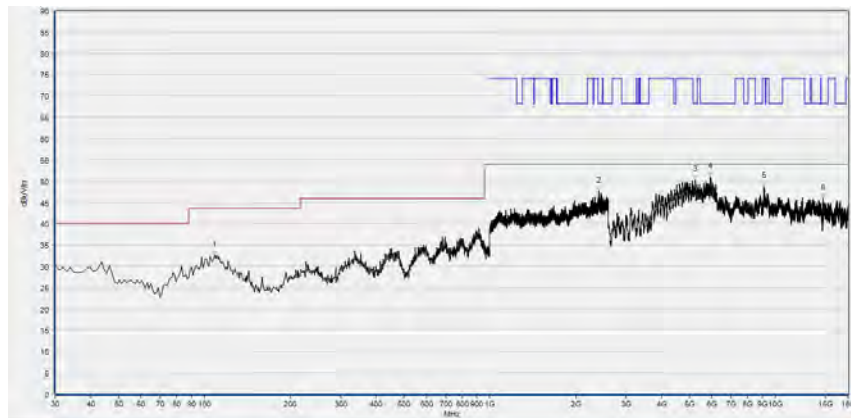


Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2413.271	48.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4710.222	50.57	N/A	40.14	74.00	N/A	54.00	Horizontal	PASS
6004.081	50.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9170.954	48.59	N/A	37.35	74.00	N/A	54.00	Horizontal	PASS
14857.772	46.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

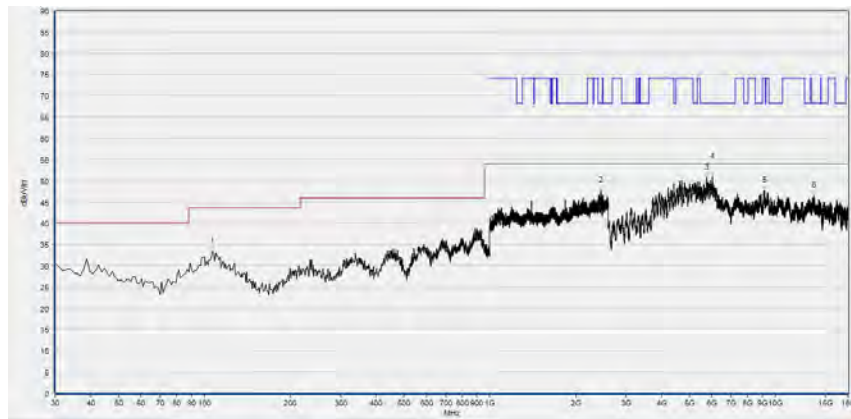
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2404.735	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5249.330	50.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5927.065	50.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9137.067	48.85	N/A	38.62	74.00	N/A	54.00	Vertical	PASS
14731.466	45.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

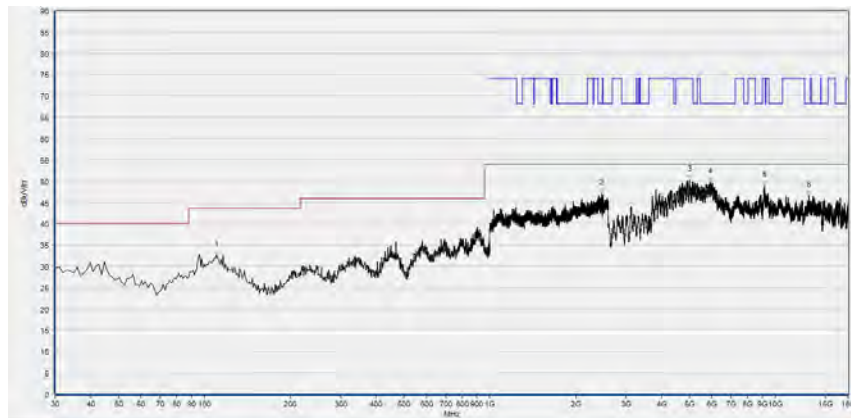
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	33.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2455.952	47.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5748.390	50.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6007.161	50.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9186.357	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13671.734	46.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

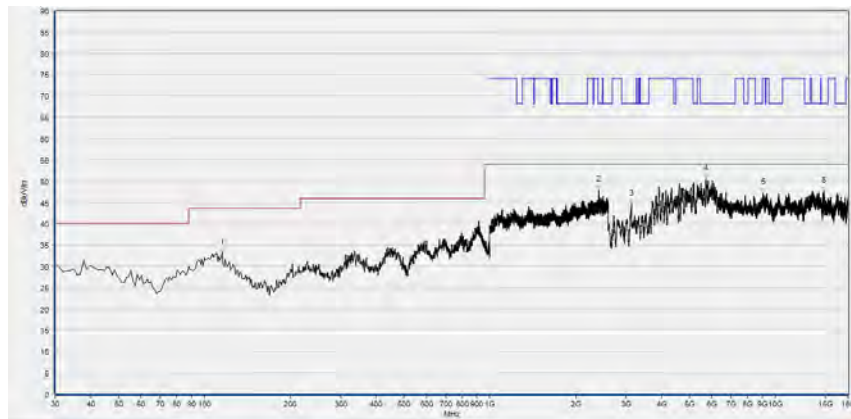


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	32.53	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2458.086	47.09	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5018.284	50.36	N/A	39.66	74.00	N/A	54.00	Vertical	PASS
5911.662	49.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9158.632	48.89	N/A	38.17	74.00	N/A	54.00	Vertical	PASS
13144.949	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

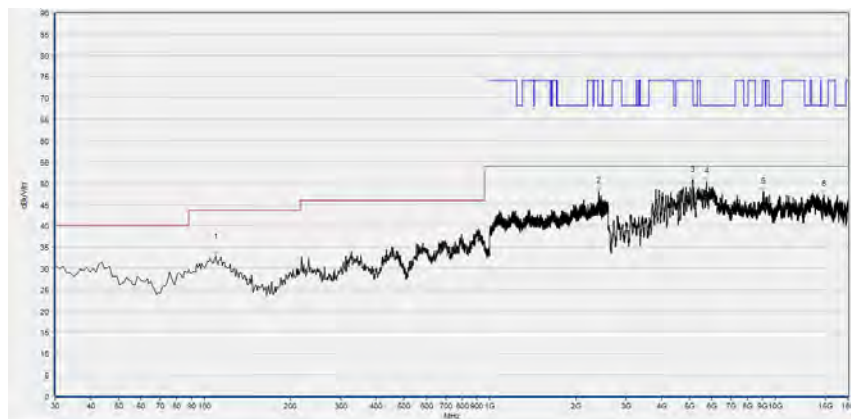
**802.11n (HT40) mode**

Plot for Channel 38



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
115.445	33.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2410.604	47.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3132.947	44.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5717.584	50.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9084.697	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14805.401	47.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

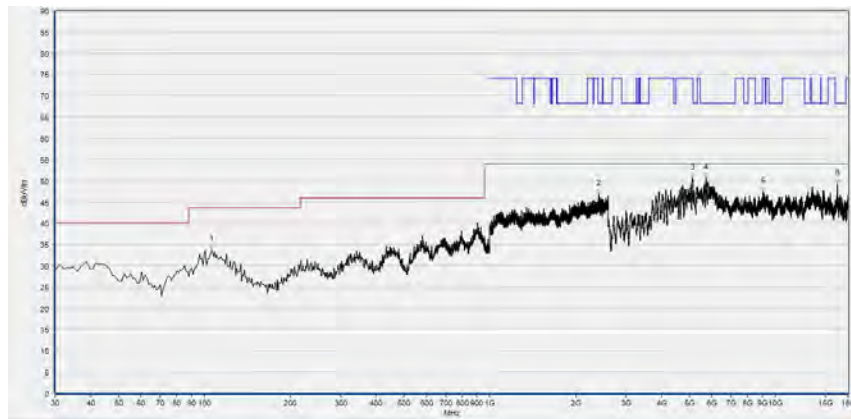
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	32.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2411.671	48.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5135.347	50.58	N/A	39.82	74.00	N/A	54.00	Vertical	PASS
5739.148	50.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9081.616	48.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14811.562	47.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

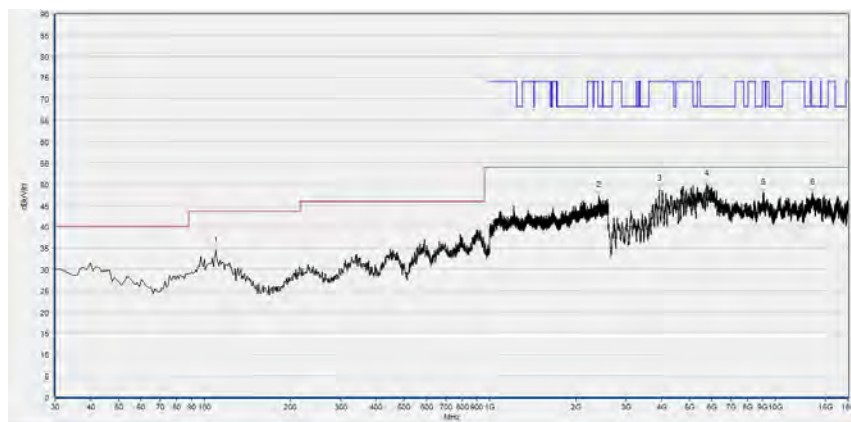
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	33.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2409.003	46.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5135.347	50.54	N/A	39.63	74.00	N/A	54.00	Horizontal	PASS
5732.987	50.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9078.536	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16542.869	49.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

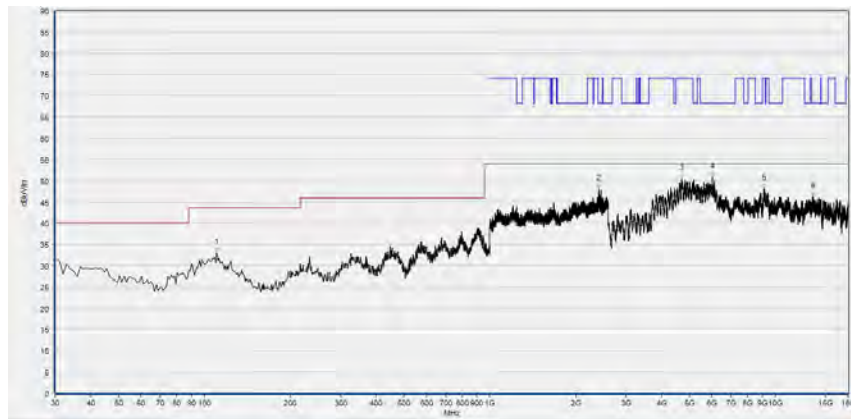


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	34.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2411.137	47.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3924.665	48.84	N/A	37.90	74.00	N/A	54.00	Vertical	PASS
5736.067	49.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9084.697	47.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13477.656	47.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

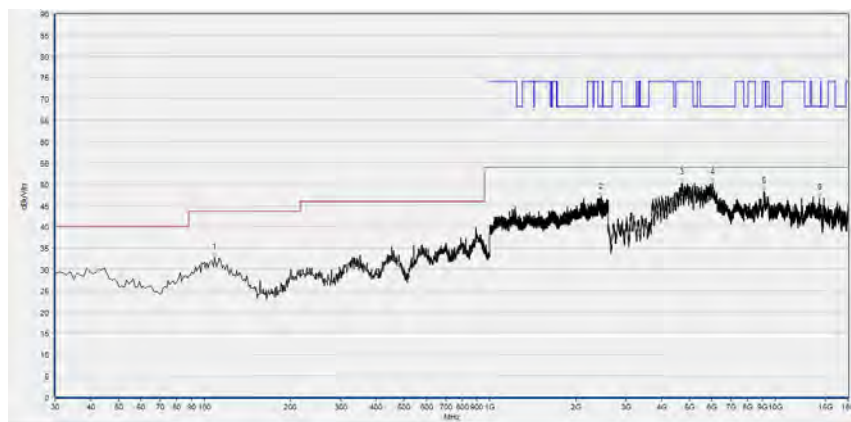


Plot for Channel 54



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	33.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2405.802	48.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4704.061	50.44	N/A	40.13	74.00	N/A	54.00	Horizontal	PASS
6016.403	50.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9109.342	48.14	N/A	38.62	74.00	N/A	54.00	Horizontal	PASS
13573.155	46.27	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

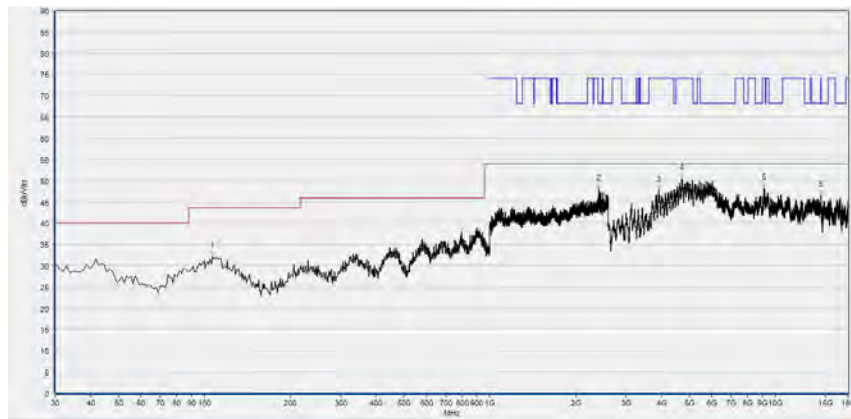
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2449.550	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4713.303	50.29	N/A	40.35	74.00	N/A	54.00	Vertical	PASS
6022.565	50.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9140.148	48.24	N/A	38.11	74.00	N/A	54.00	Vertical	PASS
14257.051	46.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

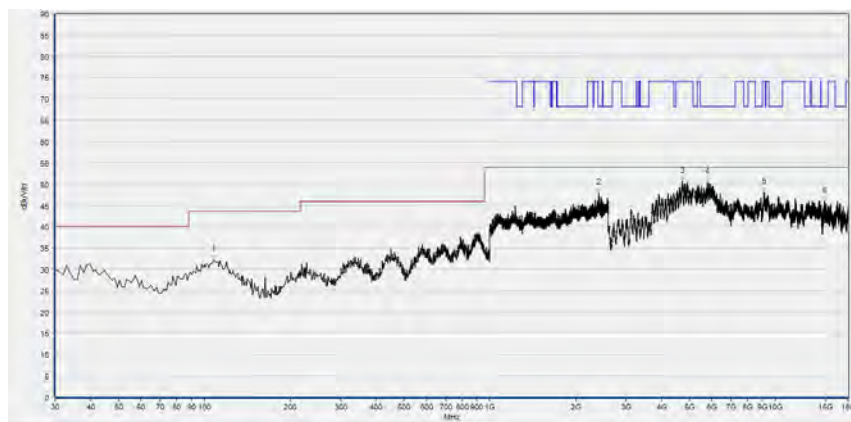
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2411.137	48.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3900.020	47.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4707.141	50.39	N/A	40.81	74.00	N/A	54.00	Horizontal	PASS
9143.229	48.33	N/A	38.01	74.00	N/A	54.00	Horizontal	PASS
14466.533	46.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

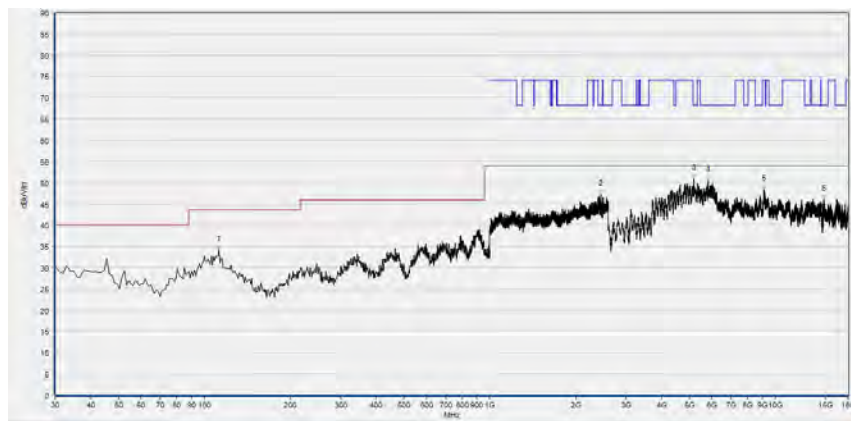
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2407.936	47.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4728.706	50.64	N/A	41.05	74.00	N/A	54.00	Vertical	PASS
5782.276	50.49	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9143.229	48.09	N/A	39.52	74.00	N/A	54.00	Vertical	PASS
14842.368	45.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

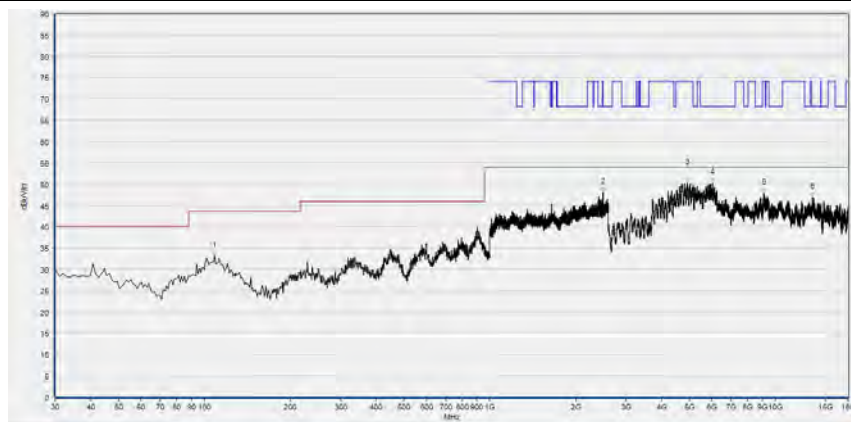
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.533	34.12	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2451.150	47.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5184.637	50.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5810.002	50.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9143.229	48.47	N/A	38.63	74.00	N/A	54.00	Horizontal	PASS
14780.756	46.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

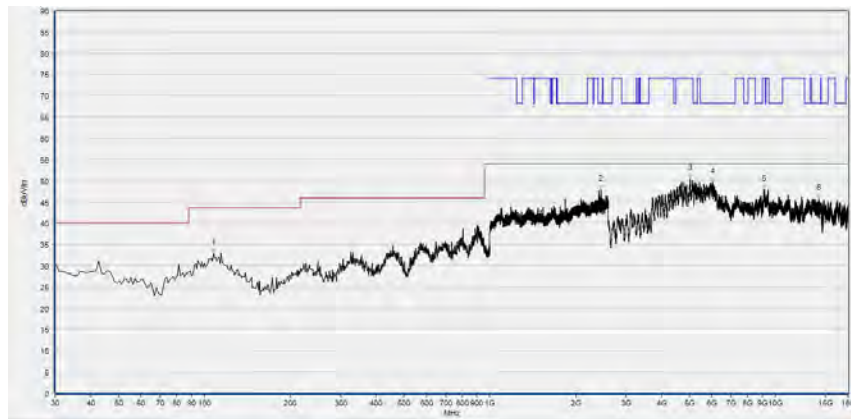


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2491.164	48.05	N/A	37.61	74.00	N/A	54.00	Vertical	PASS
4919.704	50.30	N/A	39.05	74.00	N/A	54.00	Vertical	PASS
6022.565	50.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9143.229	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13480.736	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

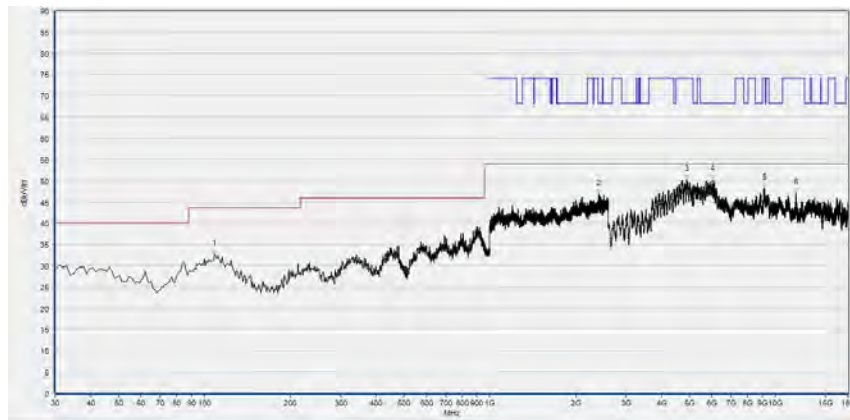


Plot for Channel 126



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.87	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2445.815	47.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5027.526	50.52	N/A	39.66	74.00	N/A	54.00	Horizontal	PASS
6028.726	49.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9140.148	48.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14204.681	45.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

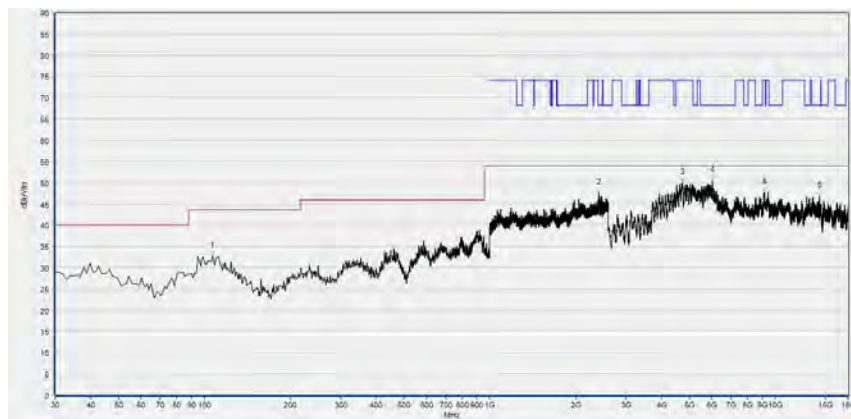


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2410.604	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4901.220	50.35	N/A	40.05	74.00	N/A	54.00	Vertical	PASS
6025.645	50.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9155.551	48.22	N/A	37.67	74.00	N/A	54.00	Vertical	PASS
11798.720	47.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

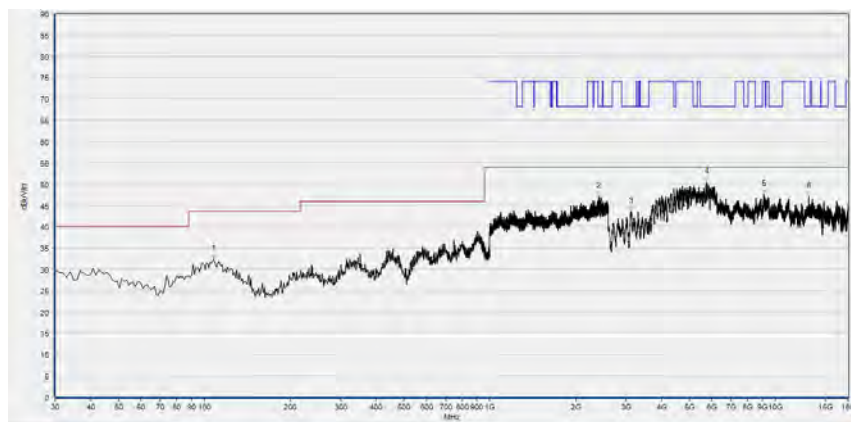


Plot for Channel 134



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2412.204	47.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4719.464	49.93	N/A	39.15	74.00	N/A	54.00	Horizontal	PASS
6016.403	50.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9146.309	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14260.132	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

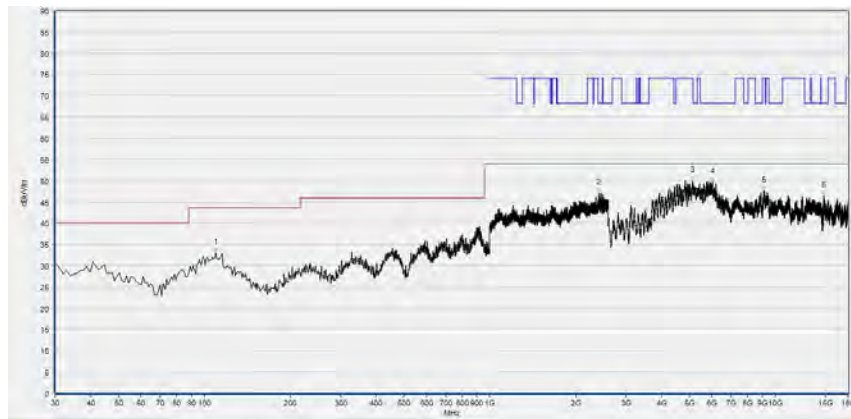
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.40	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2412.738	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3114.463	43.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5739.148	50.40	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9127.826	47.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13141.868	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

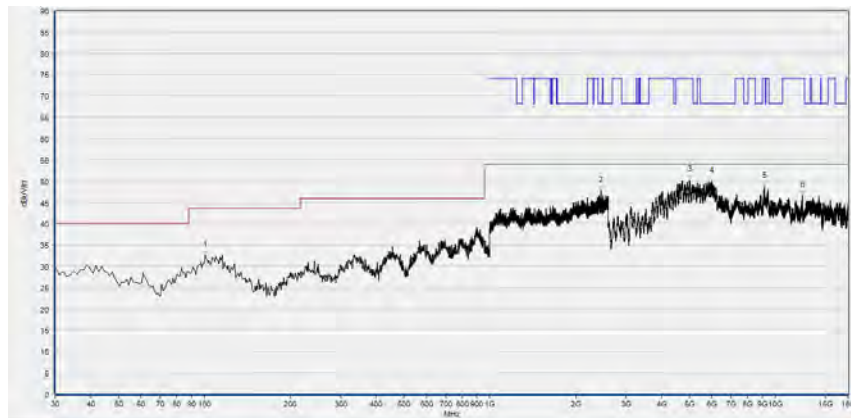
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	32.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2407.936	47.13	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5132.266	50.00	N/A	39.66	74.00	N/A	54.00	Horizontal	PASS
6031.806	49.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9127.826	47.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14793.079	46.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

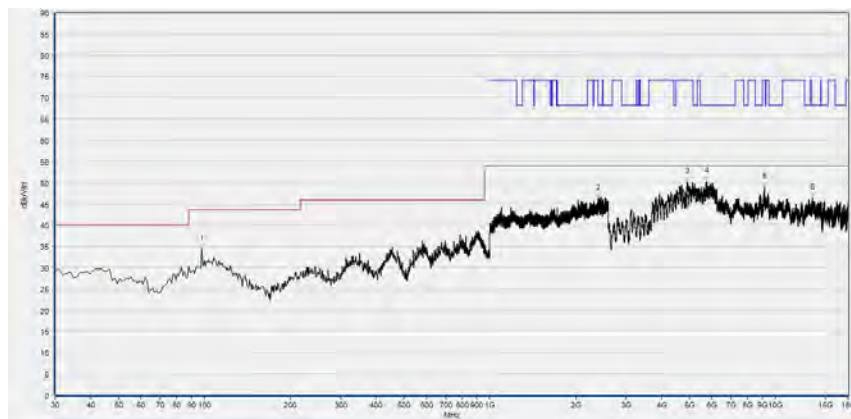


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2445.815	47.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5021.364	50.30	N/A	40.11	74.00	N/A	54.00	Vertical	PASS
5997.920	49.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9149.390	48.72	N/A	38.66	74.00	N/A	54.00	Vertical	PASS
12421.004	46.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

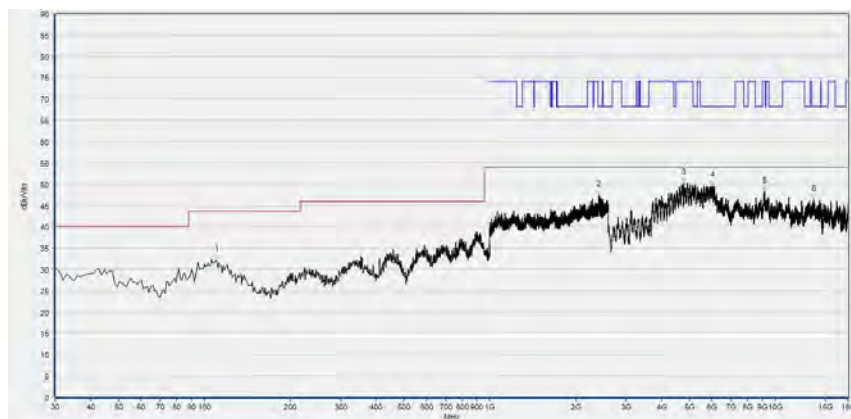


Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	34.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2389.797	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4928.946	50.14	N/A	39.55	74.00	N/A	54.00	Horizontal	PASS
5745.309	50.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9149.390	48.91	N/A	38.38	74.00	N/A	54.00	Horizontal	PASS
13477.656	46.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

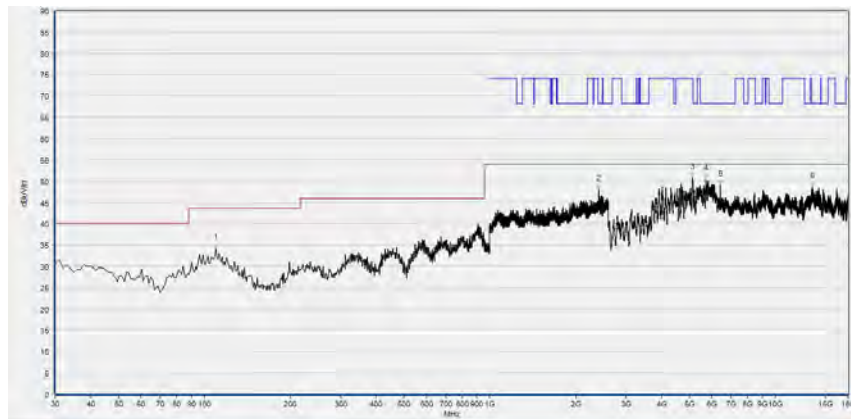


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	32.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2413.271	47.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4790.318	50.32	N/A	40.10	74.00	N/A	54.00	Vertical	PASS
6019.484	49.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9152.470	48.28	N/A	37.68	74.00	N/A	54.00	Vertical	PASS
13665.573	46.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

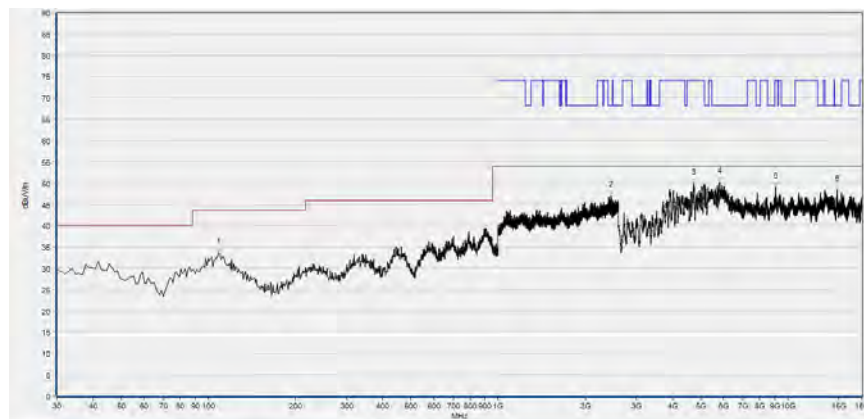
**802.11ac (VHT80) Mode**

Plot for Channel 42



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	34.13	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2407.402	48.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5129.186	50.72	N/A	40.63	74.00	N/A	54.00	Horizontal	PASS
5732.987	50.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6401.480	49.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13493.059	48.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

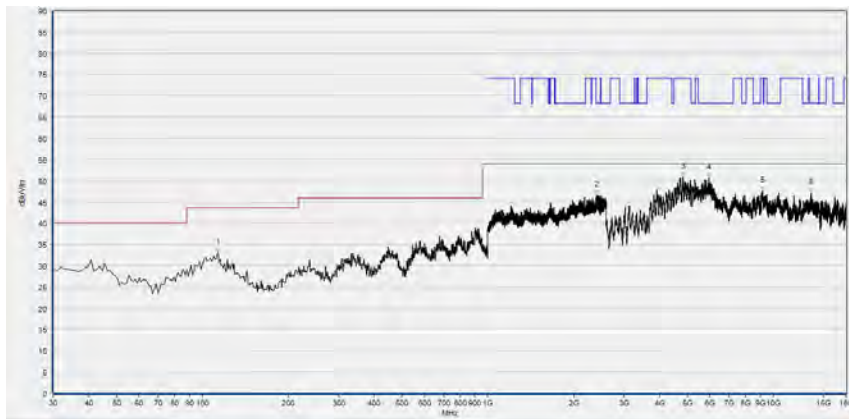


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2446.349	47.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4734.867	49.89	N/A	39.62	74.00	N/A	54.00	Vertical	PASS
5810.002	50.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9084.697	49.07	N/A	39.51	74.00	N/A	54.00	Vertical	PASS
14789.998	48.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

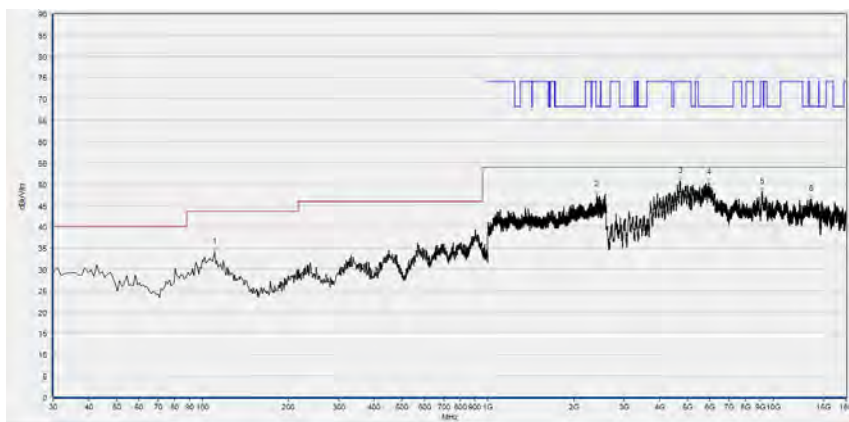


Plot for Channel 58



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
113.504	33.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2415.405	46.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4824.205	50.83	N/A	40.24	74.00	N/A	54.00	Horizontal	PASS
5939.388	50.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9161.712	47.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13582.396	47.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

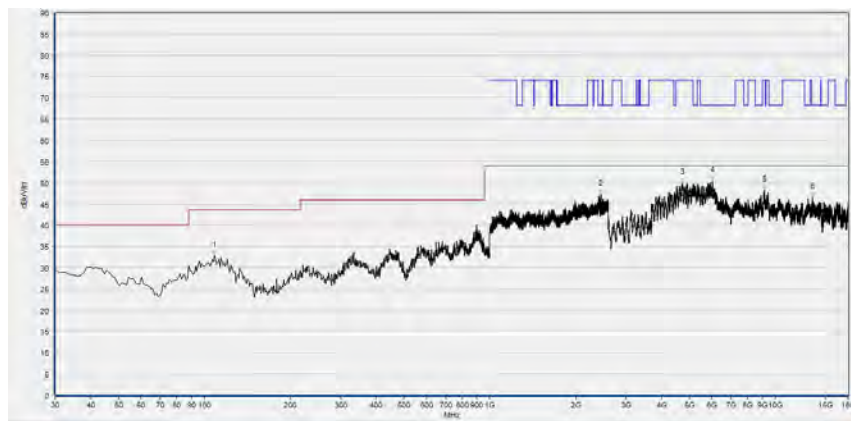


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	33.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2408.469	47.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4719.464	50.55	N/A	39.65	74.00	N/A	54.00	Vertical	PASS
5939.388	50.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9140.148	48.07	N/A	39.01	74.00	N/A	54.00	Vertical	PASS
13566.993	46.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

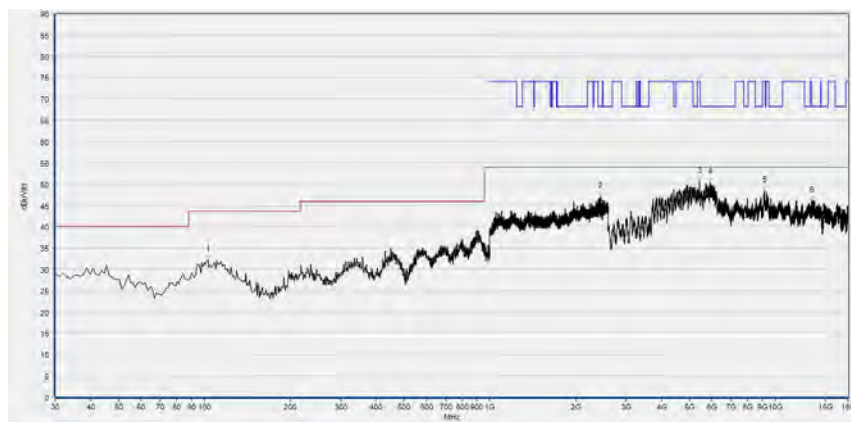


Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2452.751	47.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4725.625	49.94	N/A	38.66	74.00	N/A	54.00	Horizontal	PASS
6016.403	50.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9158.632	48.30	N/A	37.12	74.00	N/A	54.00	Horizontal	PASS
13514.623	46.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

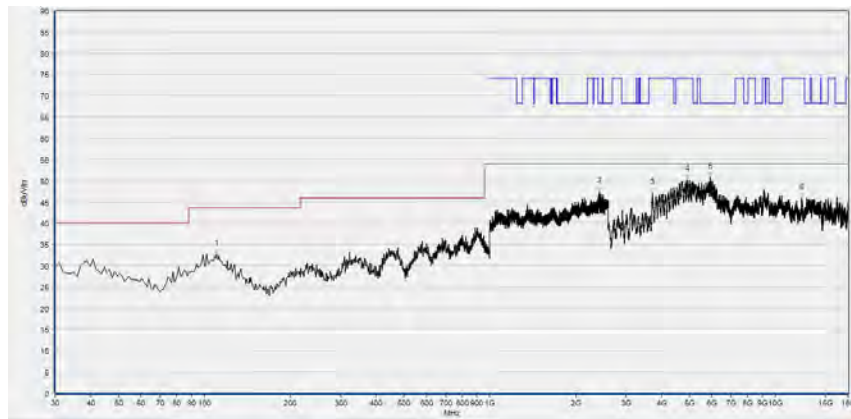
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.14	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2441.547	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5421.844	50.68	N/A	40.25	74.00	N/A	54.00	Vertical	PASS
5908.582	50.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9177.115	48.48	N/A	37.81	74.00	N/A	54.00	Vertical	PASS
13425.285	46.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

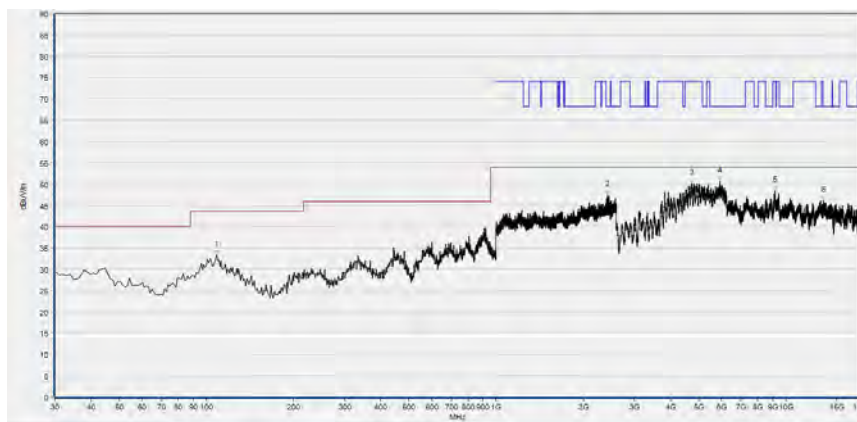
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2418.606	47.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3721.344	47.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4919.704	50.30	N/A	39.81	74.00	N/A	54.00	Horizontal	PASS
5908.582	50.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12359.392	45.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

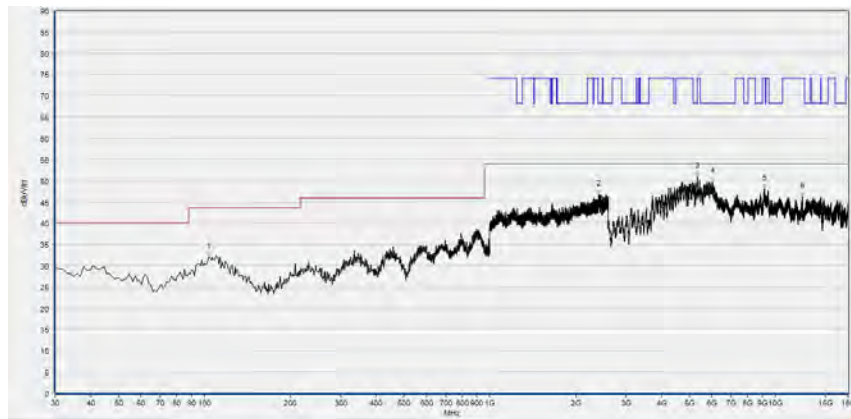
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	33.40	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2418.073	47.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4716.383	50.10	N/A	39.52	74.00	N/A	54.00	Vertical	PASS
5911.662	50.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9146.309	48.36	N/A	37.12	74.00	N/A	54.00	Vertical	PASS
13477.656	46.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

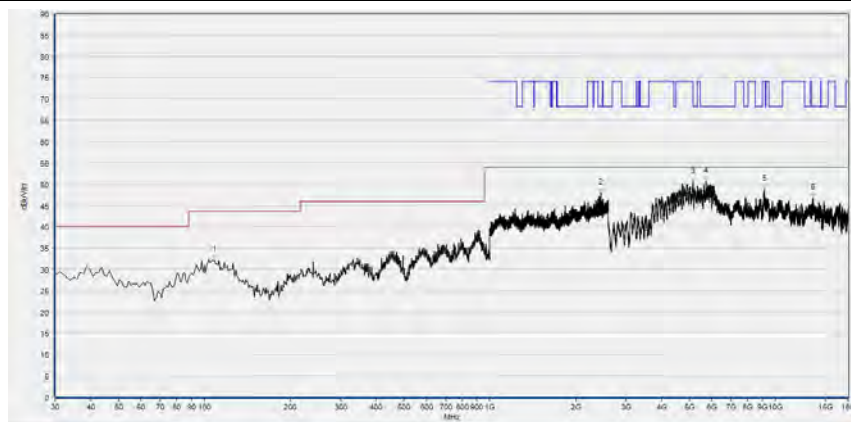
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	31.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2411.671	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5326.345	50.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6016.403	49.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9146.309	48.04	N/A	37.66	74.00	N/A	54.00	Horizontal	PASS
12417.924	46.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

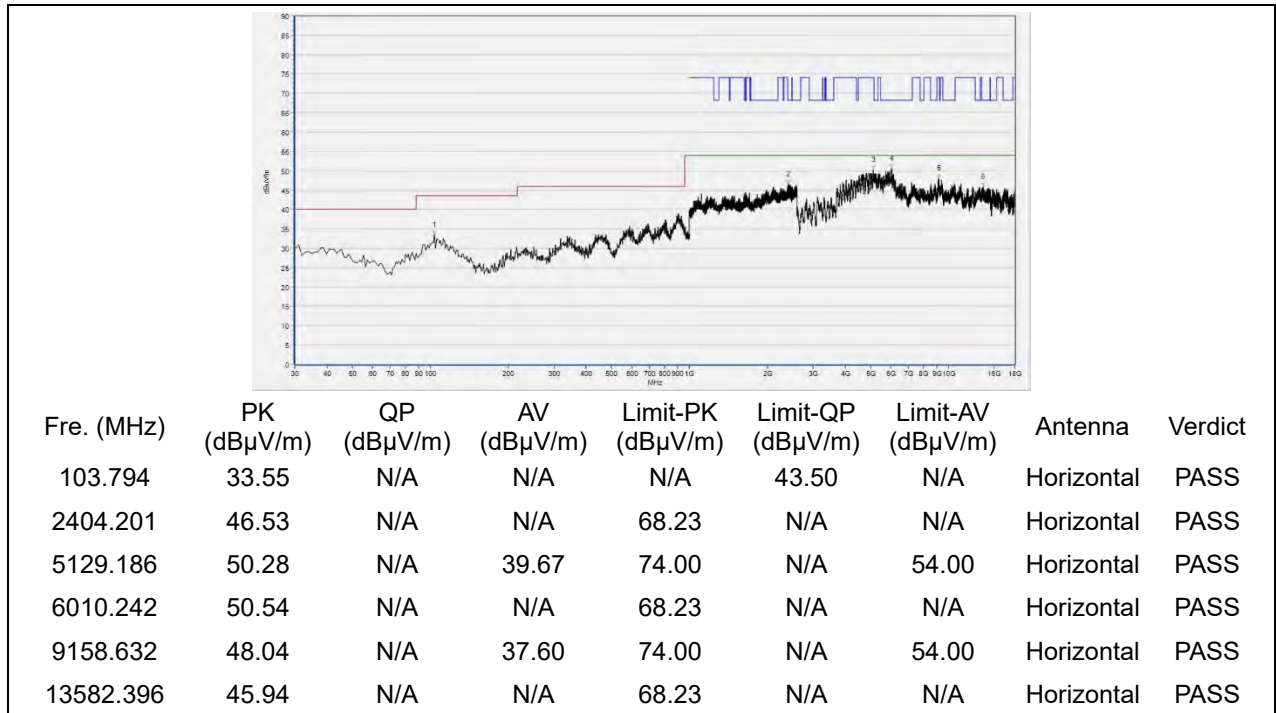
(Antenna Horizontal, 30MHz to 18GHz)



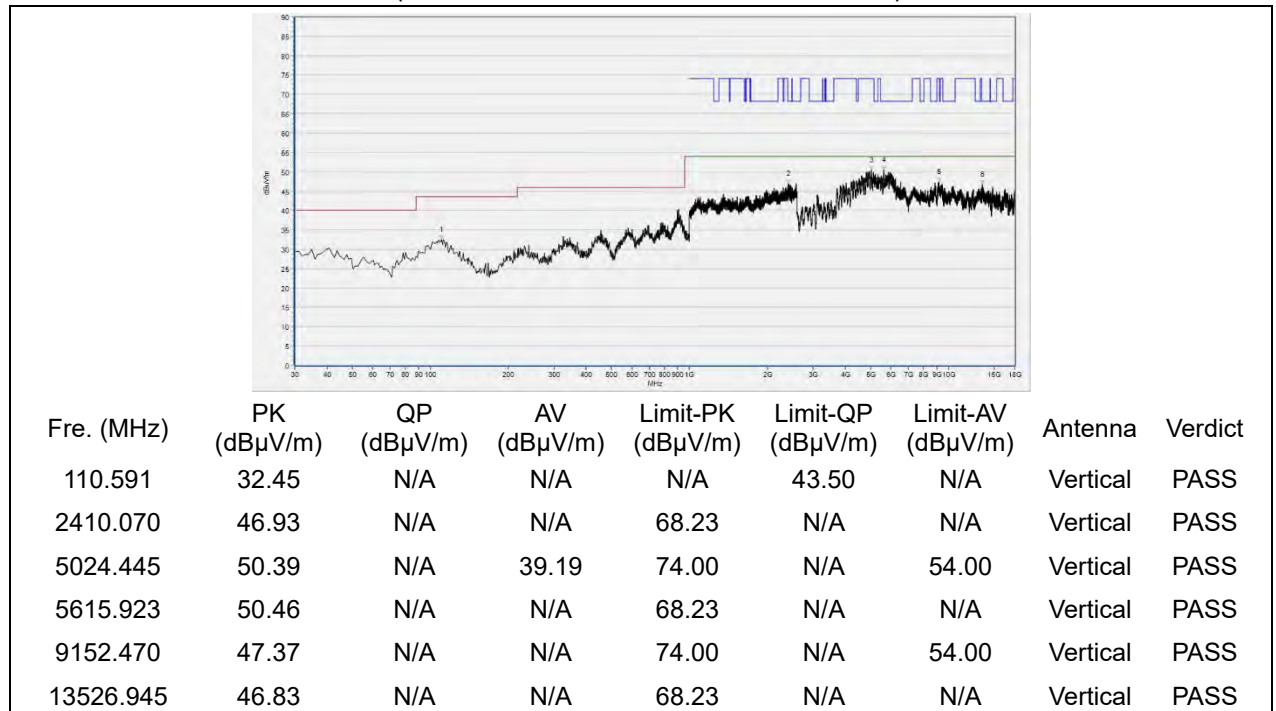
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2453.818	47.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5153.831	50.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5732.987	50.68	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9146.309	48.74	N/A	38.66	74.00	N/A	54.00	Vertical	PASS
13576.235	46.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT