



PSD NVNT ac20 5825MHz Ant1 MIMO



PSD NVNT ac20 5825MHz Ant2 MIMO





PSD NVNT ac40 5190MHz Ant1 SISO



PSD NVNT ac40 5230MHz Ant1 SISO





PSD NVNT ac40 5270MHz Ant1 SISO



PSD NVNT ac40 5310MHz Ant1 SISO





PSD NVNT ac40 5510MHz Ant1 SISO



PSD NVNT ac40 5550MHz Ant1 SISO





PSD NVNT ac40 5630MHz Ant1 SISO



PSD NVNT ac40 5710MHz Ant1 SISO





PSD NVNT ac40 5755MHz Ant1 SISO



PSD NVNT ac40 5795MHz Ant1 SISO

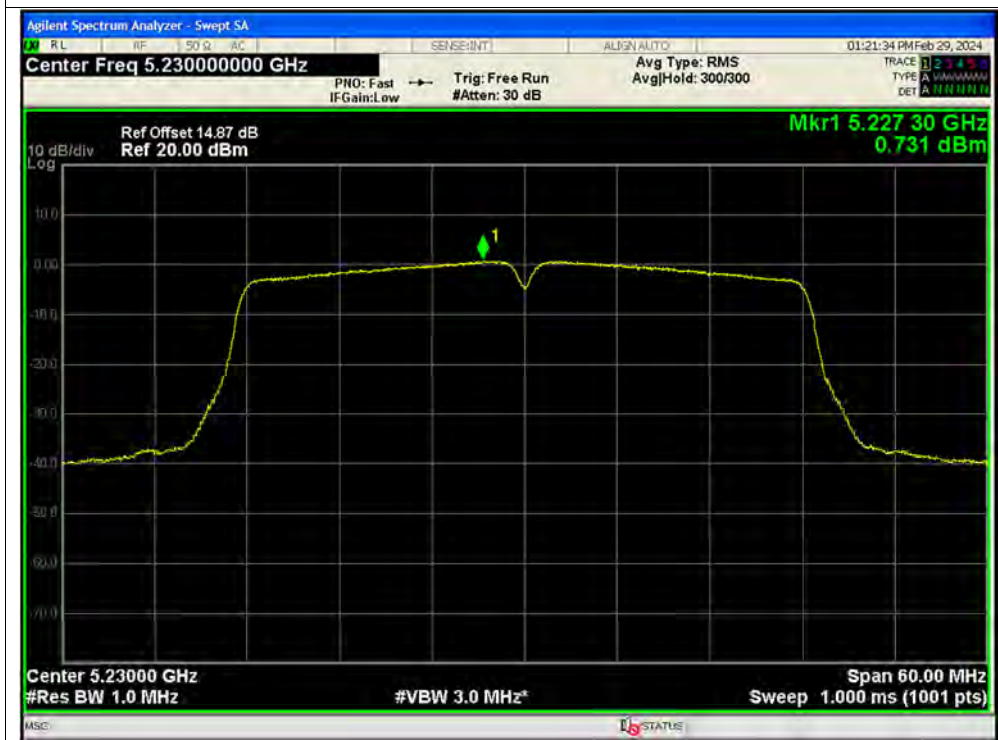




PSD NVNT ac40 5190MHz Ant2 SISO



PSD NVNT ac40 5230MHz Ant2 SISO



PSD NVNT ac40 5270MHz Ant2 SISO

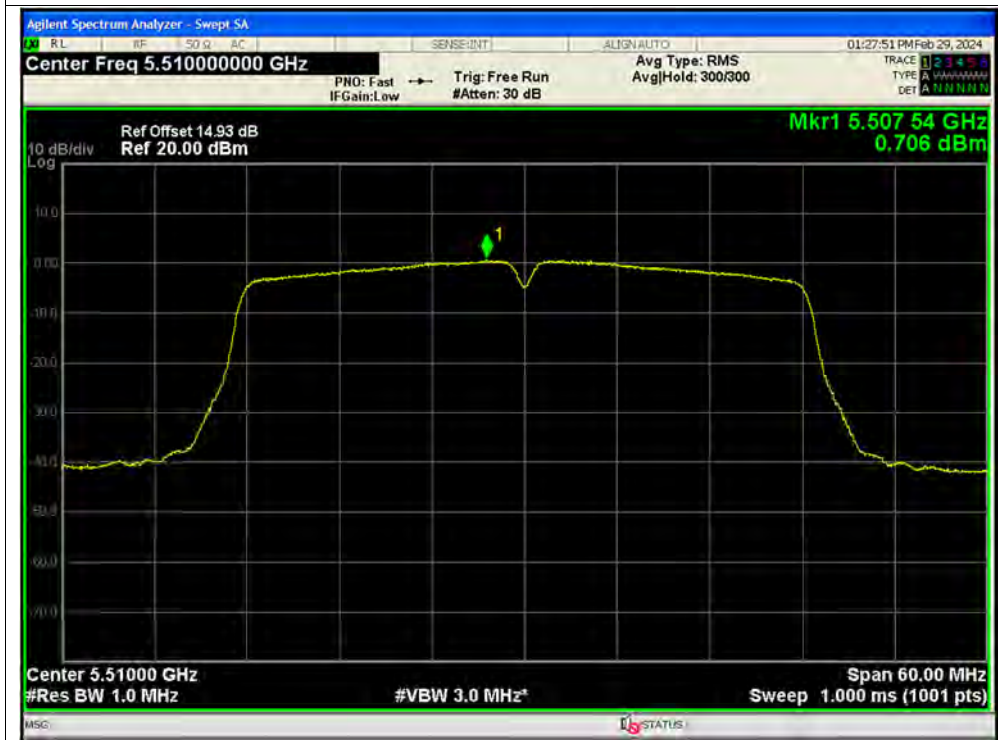


PSD NVNT ac40 5310MHz Ant2 SISO





PSD NVNT ac40 5510MHz Ant2 SISO



PSD NVNT ac40 5550MHz Ant2 SISO





PSD NVNT ac40 5630MHz Ant2 SISO



PSD NVNT ac40 5710MHz Ant2 SISO





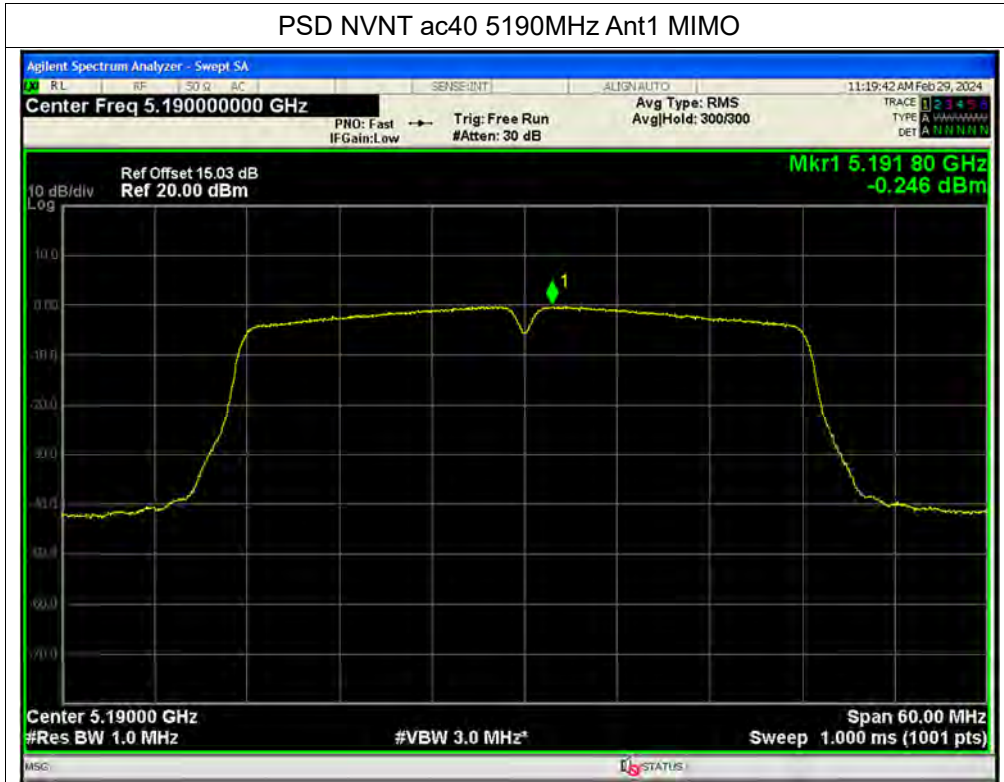
PSD NVNT ac40 5755MHz Ant2 SISO



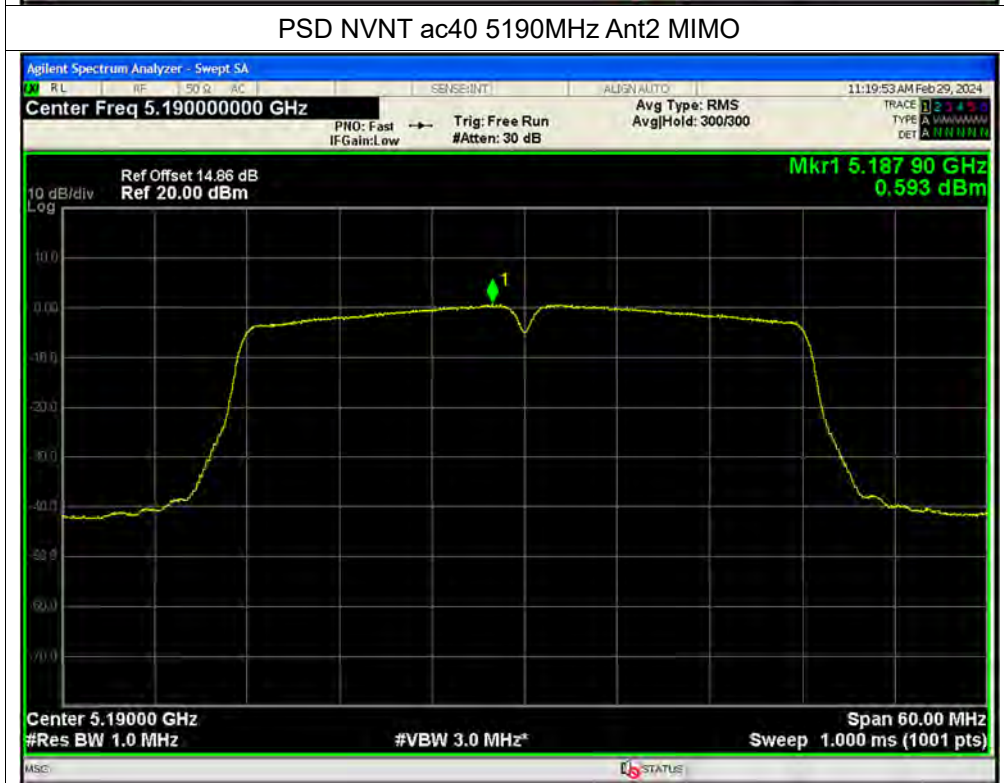
PSD NVNT ac40 5795MHz Ant2 SISO



PSD NVNT ac40 5190MHz Ant1 MIMO



PSD NVNT ac40 5190MHz Ant2 MIMO





PSD NVNT ac40 5230MHz Ant1 MIMO



PSD NVNT ac40 5230MHz Ant2 MIMO





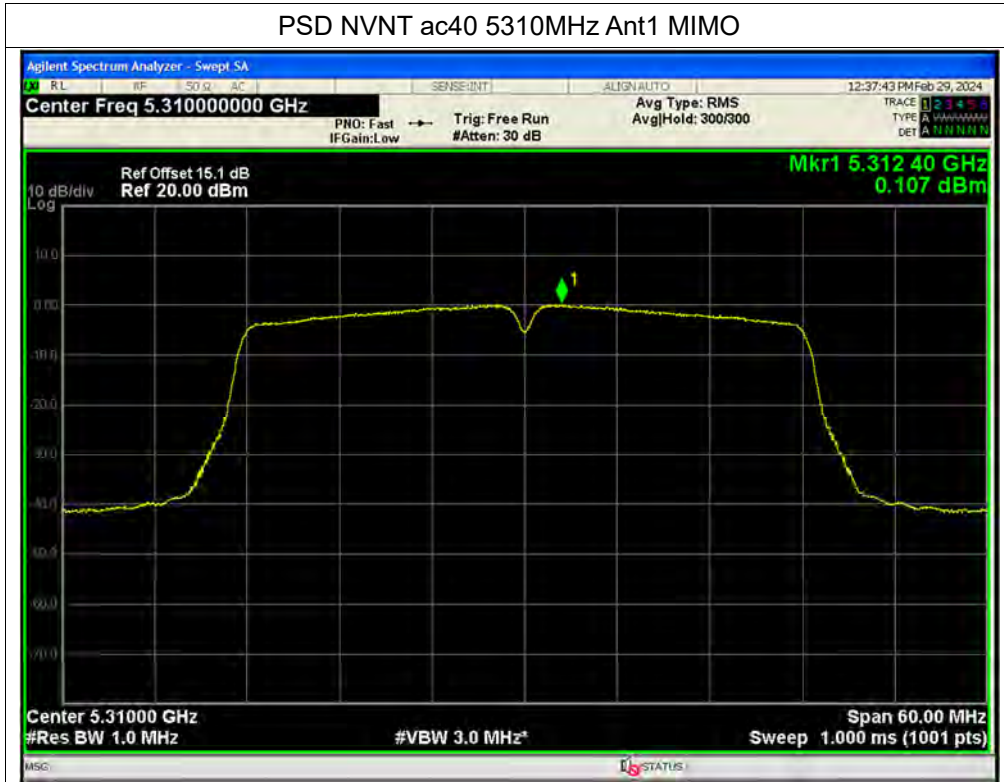
PSD NVNT ac40 5270MHz Ant1 MIMO



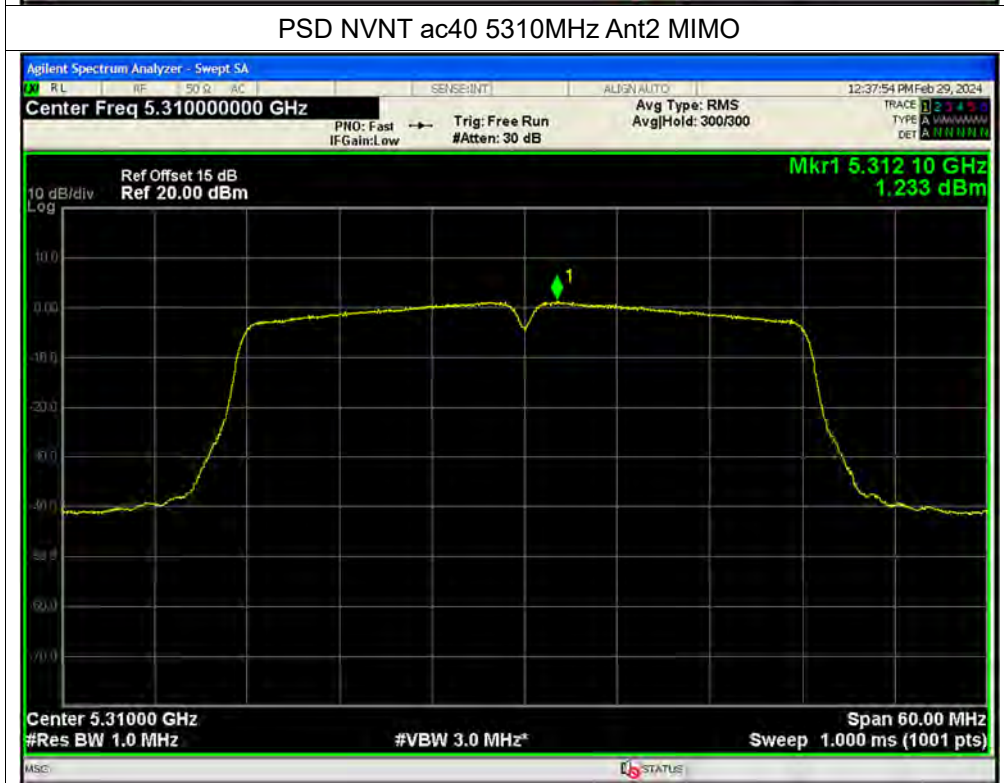
PSD NVNT ac40 5270MHz Ant2 MIMO



PSD NVNT ac40 5310MHz Ant1 MIMO



PSD NVNT ac40 5310MHz Ant2 MIMO





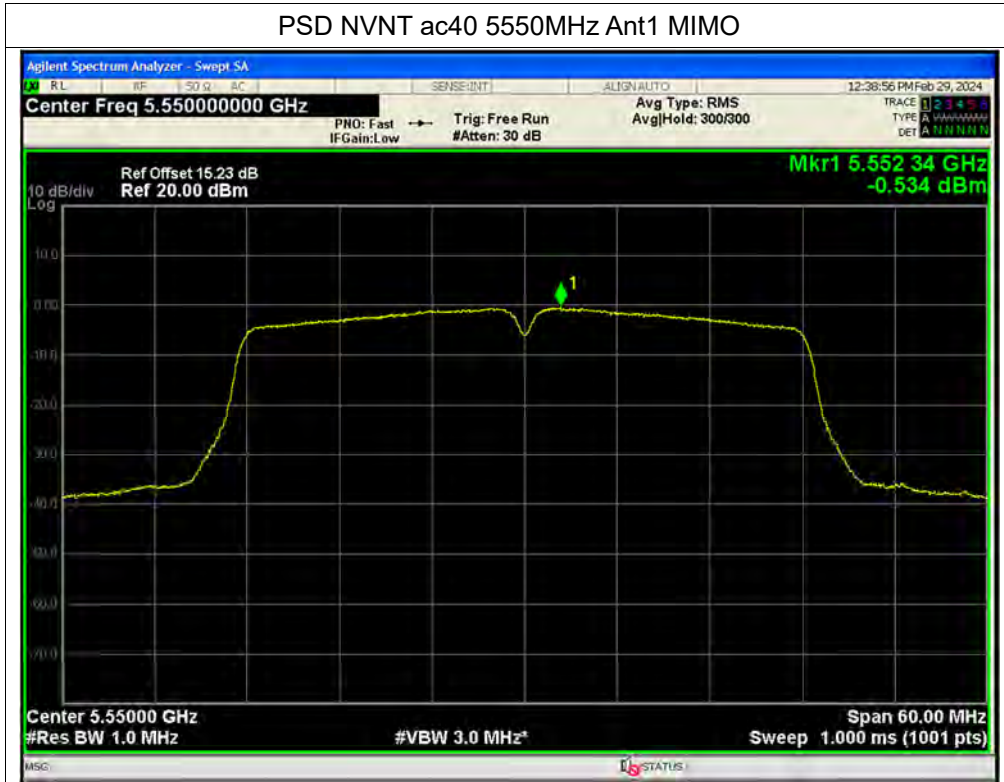
PSD NVNT ac40 5510MHz Ant1 MIMO



PSD NVNT ac40 5510MHz Ant2 MIMO



PSD NVNT ac40 5550MHz Ant1 MIMO



PSD NVNT ac40 5550MHz Ant2 MIMO





PSD NVNT ac40 5630MHz Ant1 MIMO



PSD NVNT ac40 5630MHz Ant2 MIMO





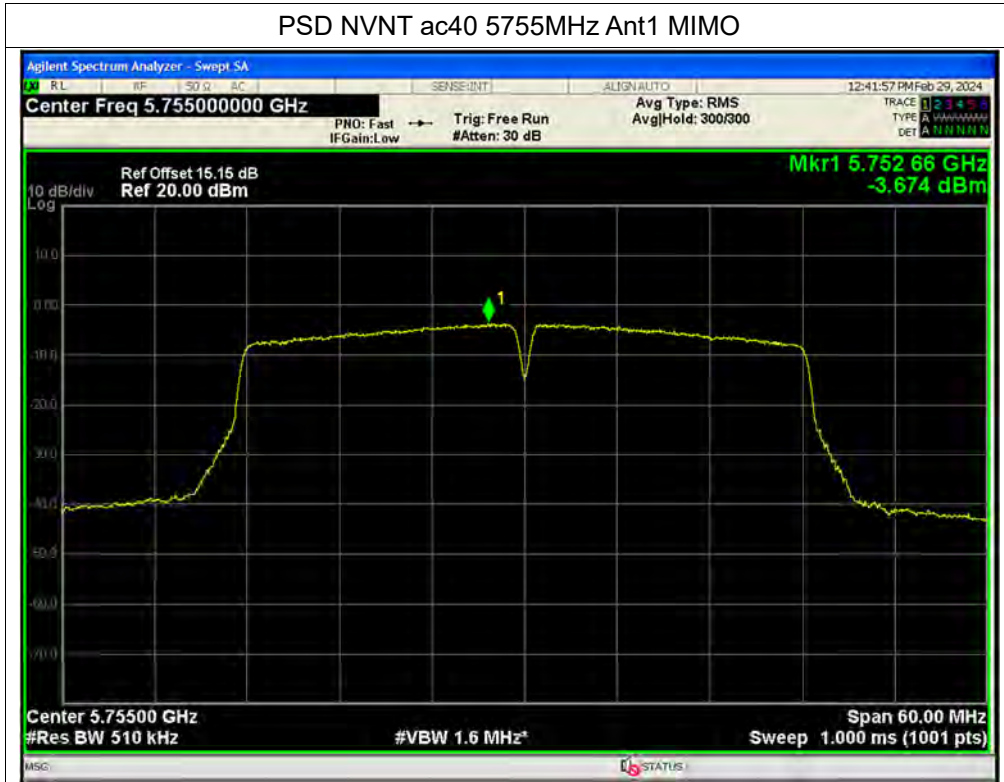
PSD NVNT ac40 5710MHz Ant1 MIMO



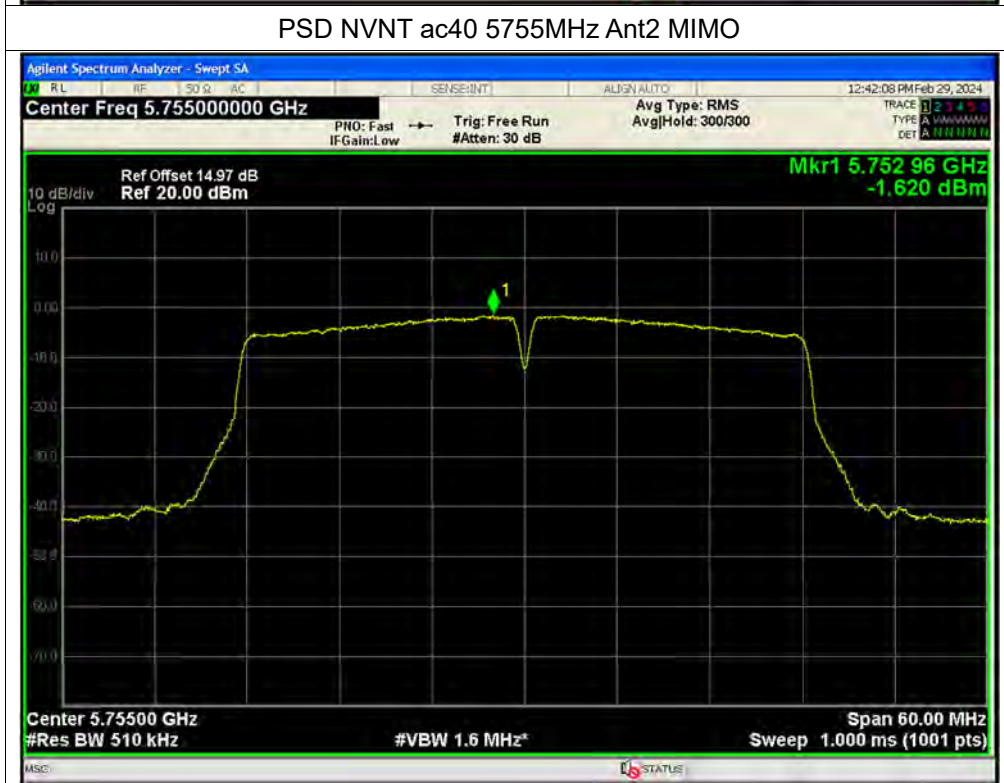
PSD NVNT ac40 5710MHz Ant2 MIMO



PSD NVNT ac40 5755MHz Ant1 MIMO



PSD NVNT ac40 5755MHz Ant2 MIMO





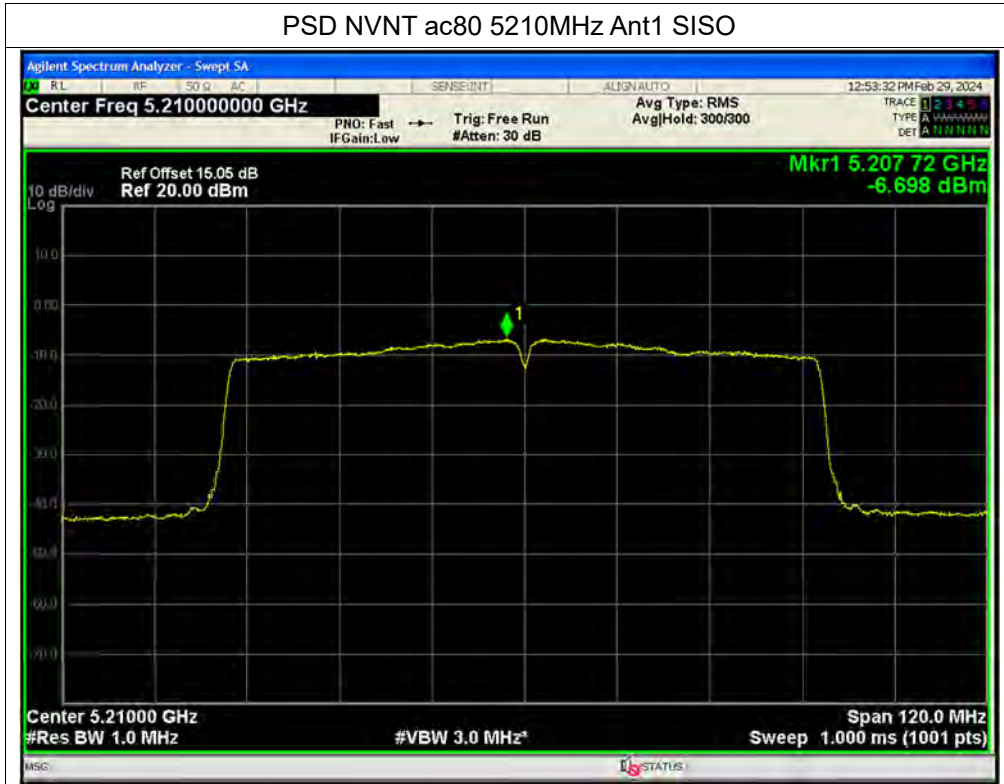
PSD NVNT ac40 5795MHz Ant1 MIMO



PSD NVNT ac40 5795MHz Ant2 MIMO



PSD NVNT ac80 5210MHz Ant1 SISO



PSD NVNT ac80 5290MHz Ant1 SISO





PSD NVNT ac80 5530MHz Ant1 SISO



PSD NVNT ac80 5610MHz Ant1 SISO





PSD NVNT ac80 5690MHz Ant1 SISO



PSD NVNT ac80 5775MHz Ant1 SISO





PSD NVNT ac80 5210MHz Ant2 SISO

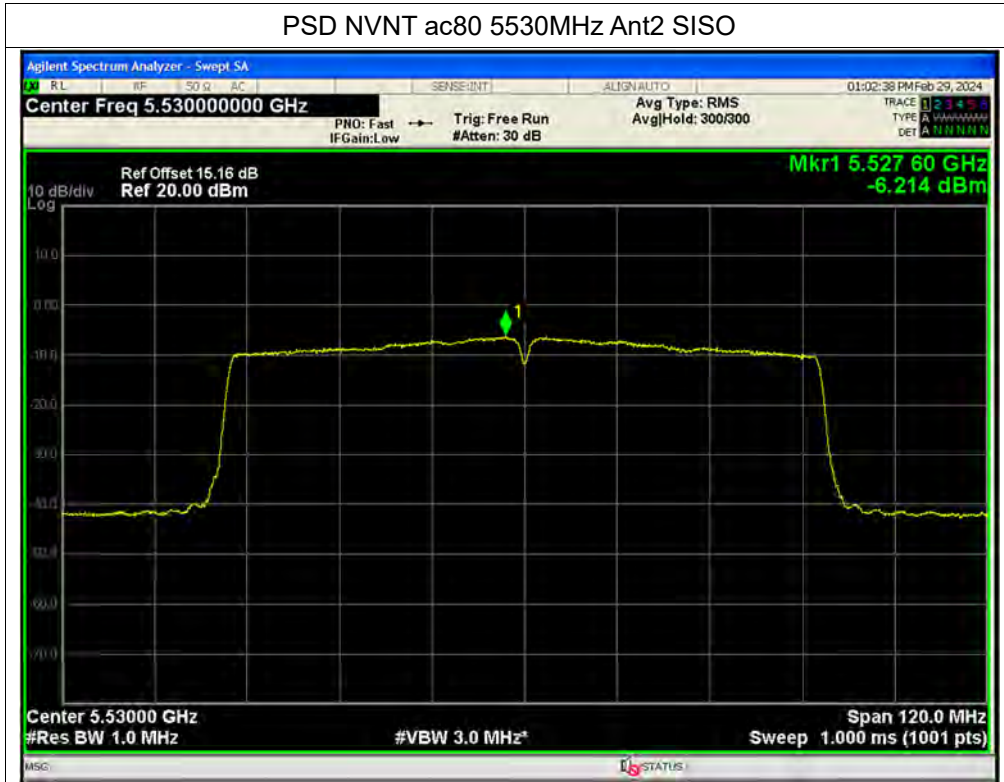


PSD NVNT ac80 5290MHz Ant2 SISO

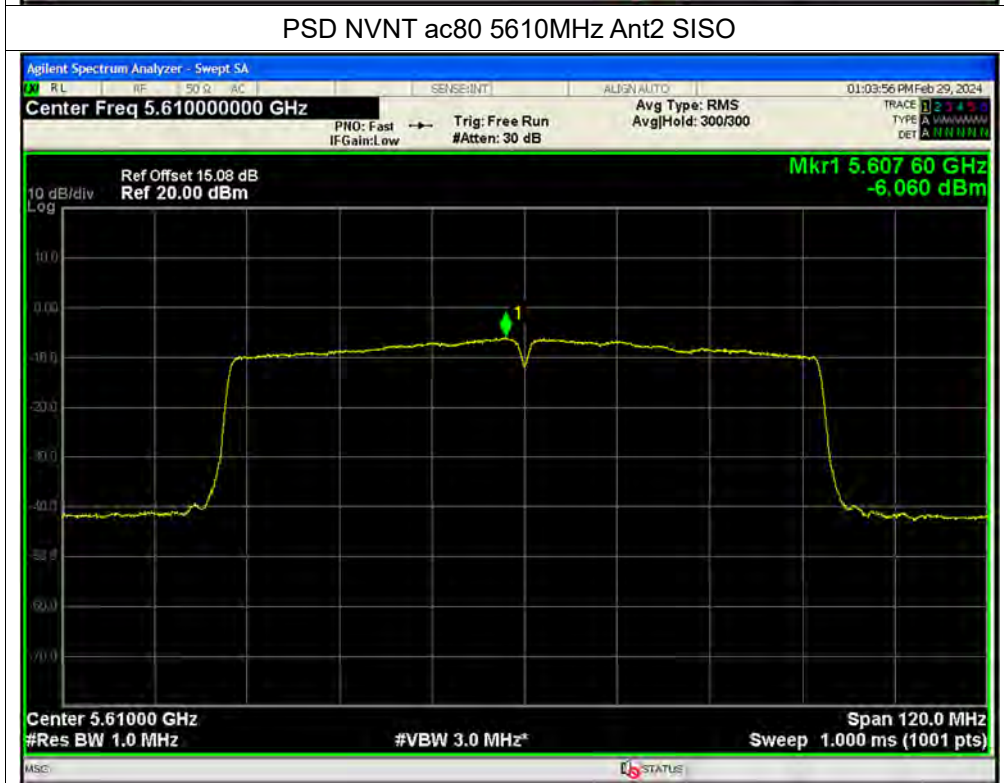




PSD NVNT ac80 5530MHz Ant2 SISO



PSD NVNT ac80 5610MHz Ant2 SISO





PSD NVNT ac80 5690MHz Ant2 SISO

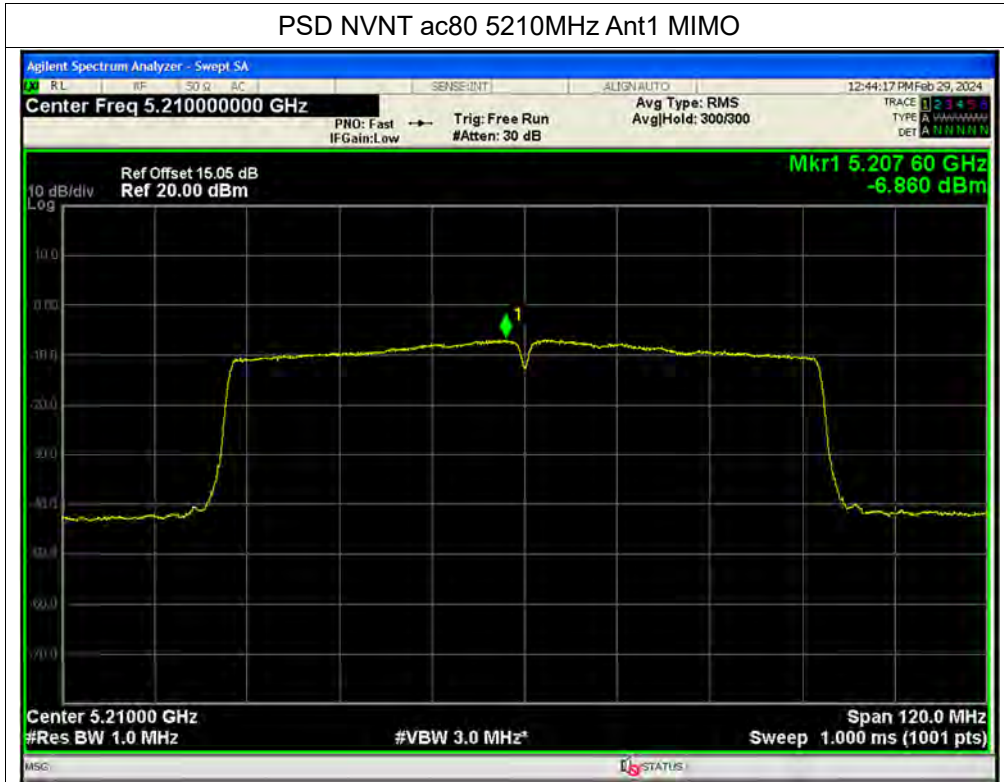


PSD NVNT ac80 5775MHz Ant2 SISO

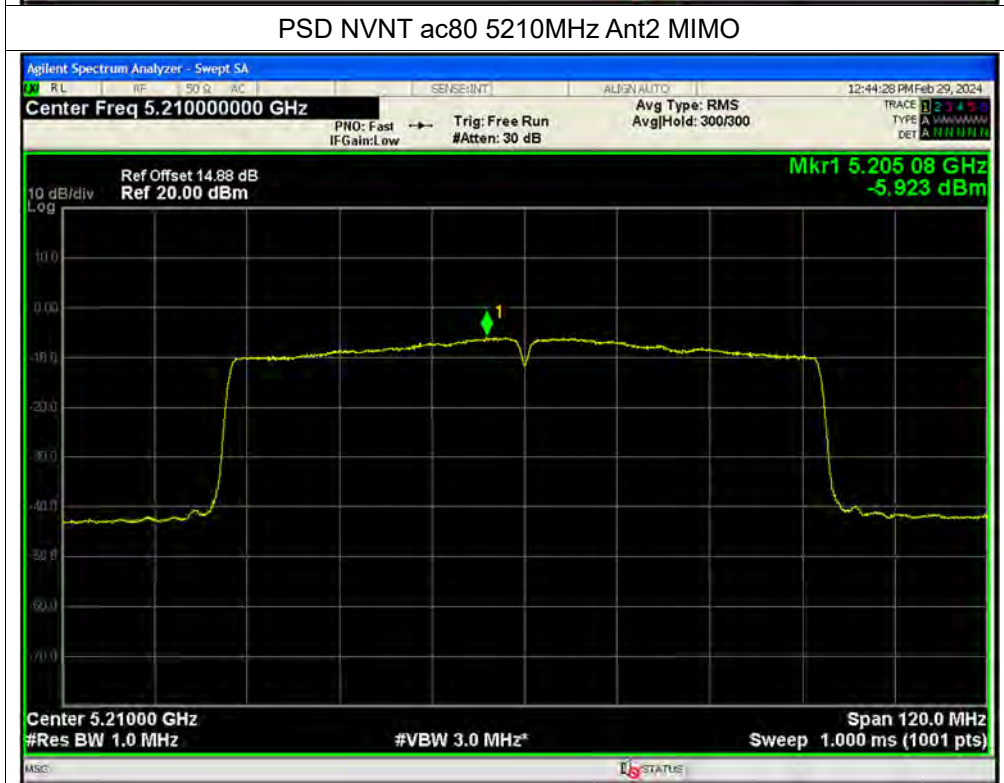




PSD NVNT ac80 5210MHz Ant1 MIMO



PSD NVNT ac80 5210MHz Ant2 MIMO





PSD NVNT ac80 5290MHz Ant1 MIMO



PSD NVNT ac80 5290MHz Ant2 MIMO



PSD NVNT ac80 5530MHz Ant1 MIMO

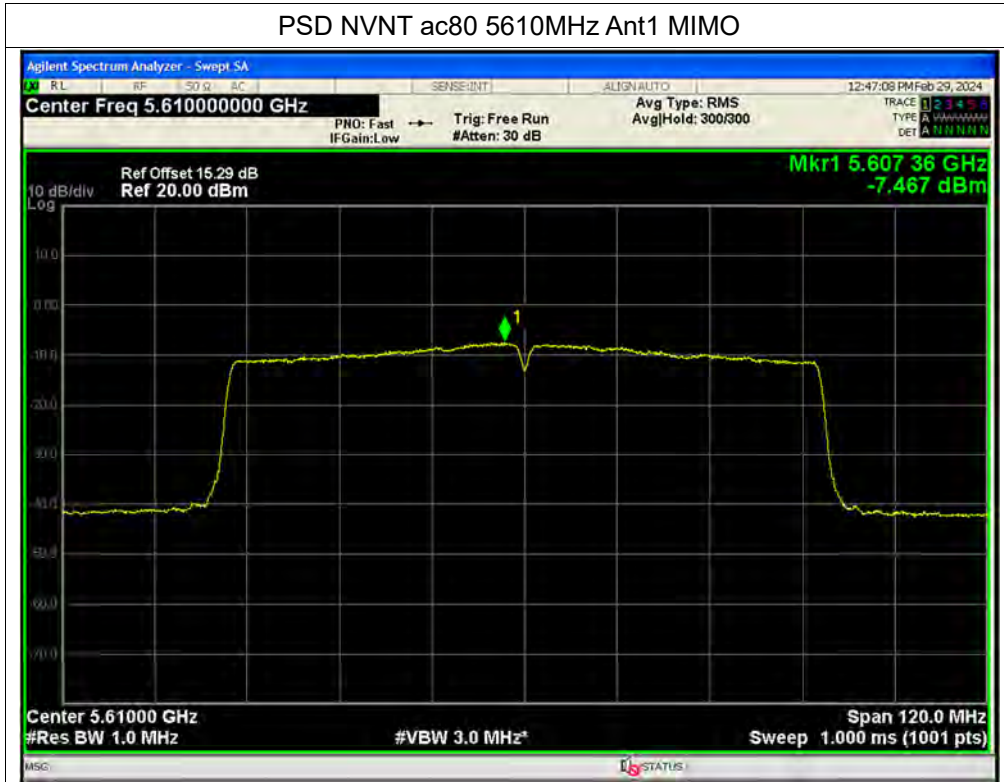


PSD NVNT ac80 5530MHz Ant2 MIMO





PSD NVNT ac80 5610MHz Ant1 MIMO



PSD NVNT ac80 5610MHz Ant2 MIMO





PSD NVNT ac80 5690MHz Ant1 MIMO



PSD NVNT ac80 5690MHz Ant2 MIMO





PSD NVNT ac80 5775MHz Ant1 MIMO



PSD NVNT ac80 5775MHz Ant2 MIMO





A.5. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 8.4V	Carrier	5180	Ant1	5179.991	-9000	-1.74	25	Pass
20C 11.07V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
20C 12.6V	Carrier	5180	Ant1	5179.991	-9000	-1.74	25	Pass
0C 11.07V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
10C 11.07V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
30C 11.07V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
35C 11.07V	Carrier	5180	Ant1	5179.992	-8000	-1.54	25	Pass
20C 8.4V	Carrier	5260	Ant1	5259.989	-11000	-2.09	25	Pass
20C 11.07V	Carrier	5260	Ant1	5259.99	-10000	-1.9	25	Pass
20C 12.6V	Carrier	5260	Ant1	5259.99	-10000	-1.9	25	Pass
0C 11.07V	Carrier	5260	Ant1	5259.99	-10000	-1.9	25	Pass
10C 11.07V	Carrier	5260	Ant1	5259.99	-10000	-1.9	25	Pass
30C 11.07V	Carrier	5260	Ant1	5259.99	-10000	-1.9	25	Pass
35C 11.07V	Carrier	5260	Ant1	5259.991	-9000	-1.71	25	Pass
20C 8.4V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
20C 11.07V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
20C 12.6V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
0C 120V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
10C 120V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
20C 120V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
30C 120V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
35C 120V	Carrier	5500	Ant1	5499.99	-10000	-1.82	25	Pass
20C 8.4V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass
20C 11.07V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass



20C 12.6V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass
0C 11.07V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass
10C 11.07V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass
30C 11.07V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass
35C 11.07V	Carrier	5745	Ant1	5744.991	-9000	-1.57	25	Pass



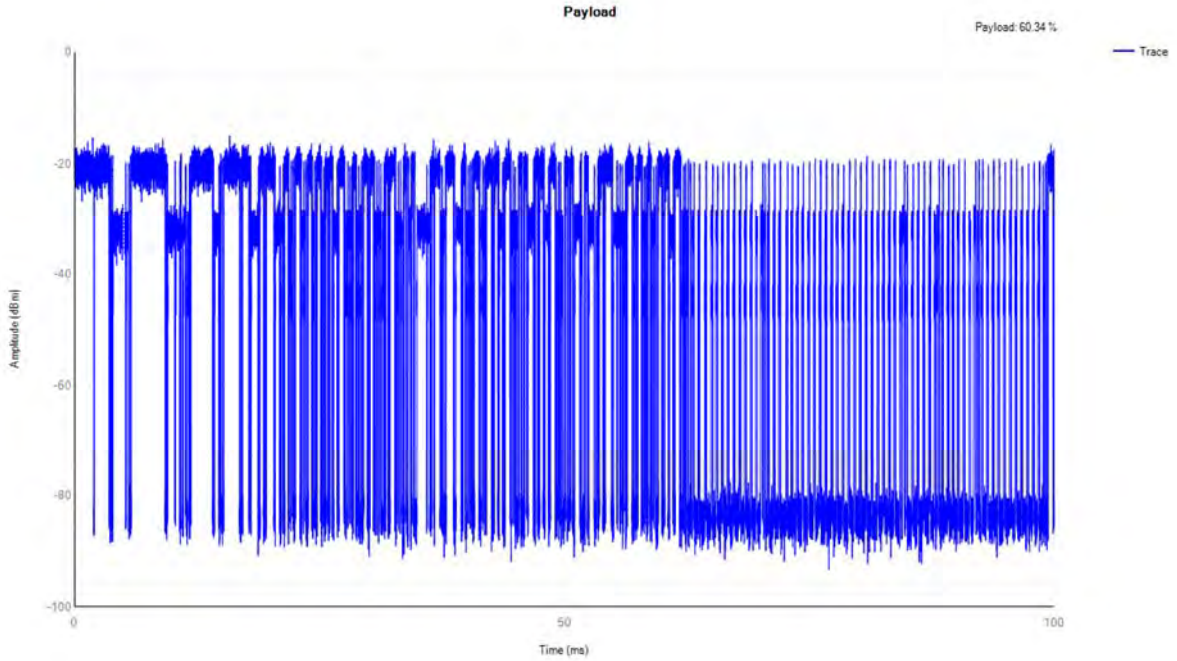
A.6. Dynamic Frequency Selection

Payload

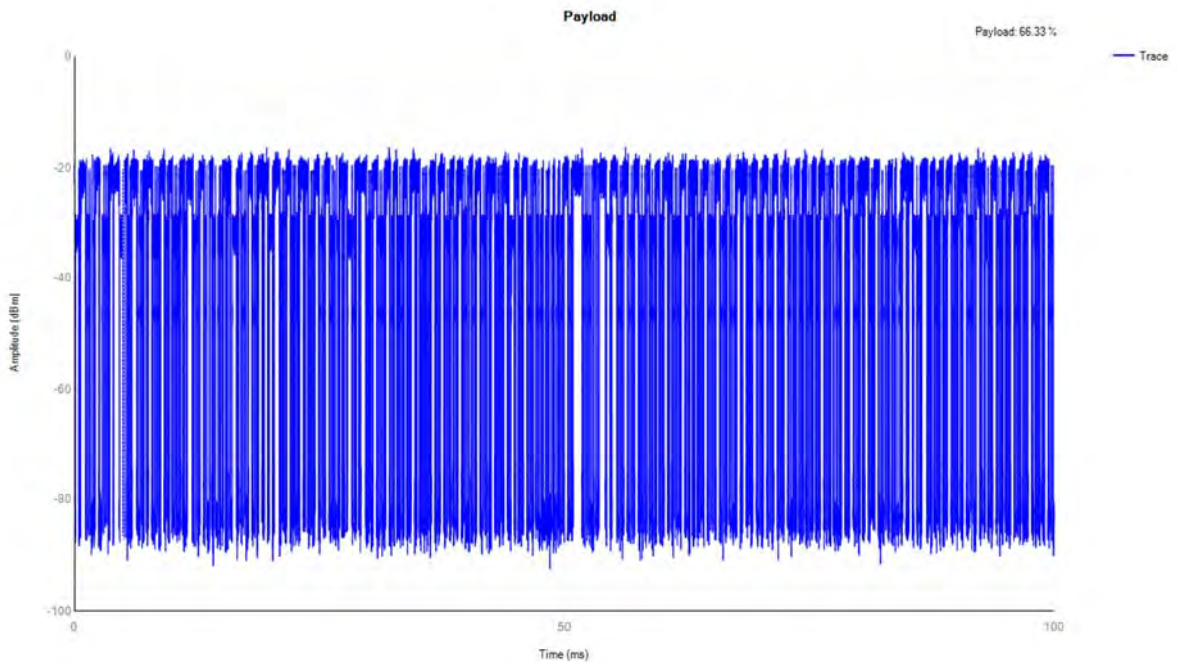
Mode	Frequency (MHz)	Result	Verdict
a	5320	60.34	Pass
a	5500	66.33	Pass
ac80	5290	90.56	Pass
ac80	5530	94.82	Pass

Test Graphs

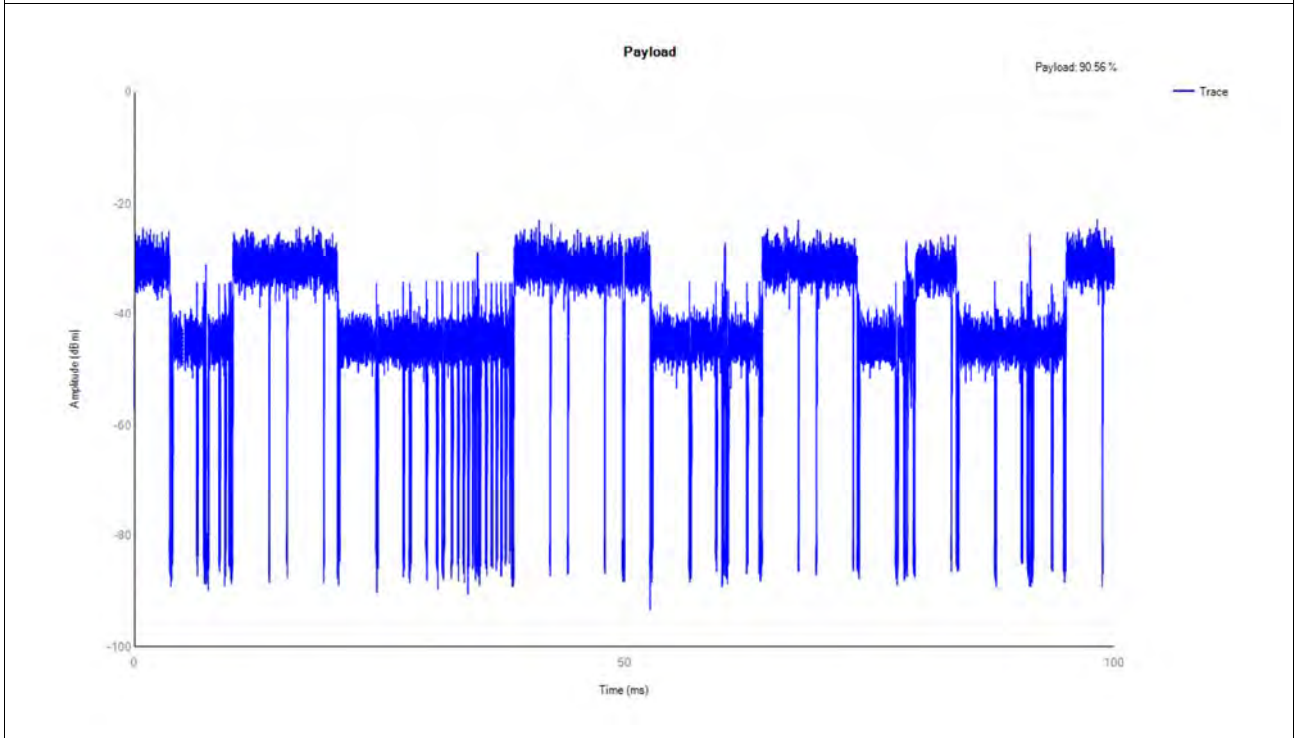
a 5320MHz Payload



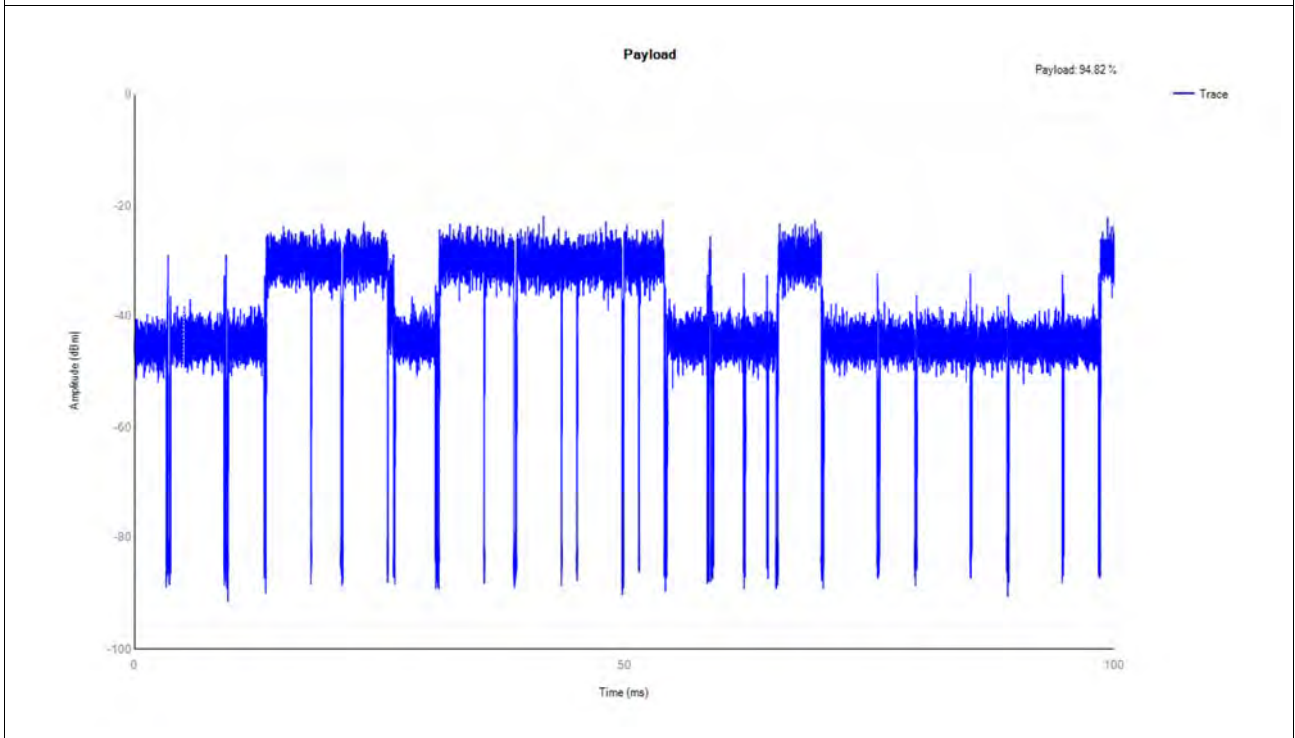
a 5500MHz Payload



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

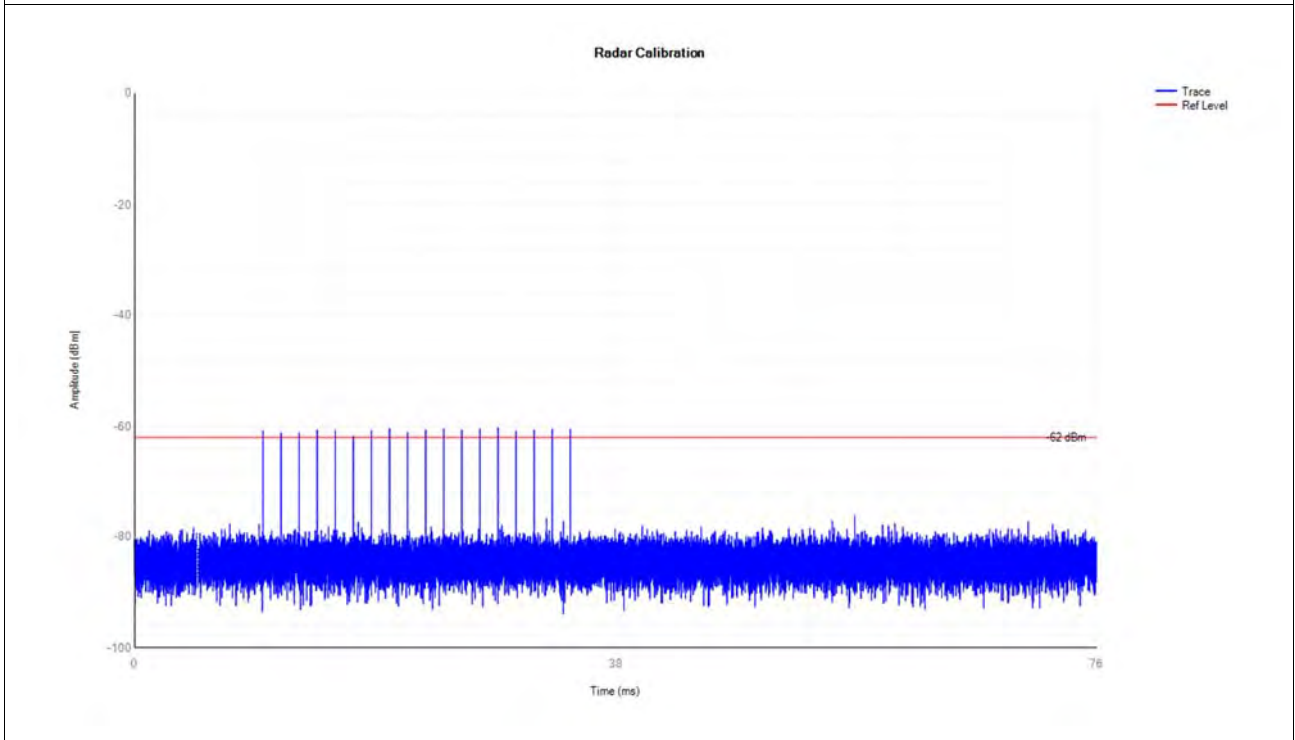
Detector Type: Peak

RBW: 3MHz

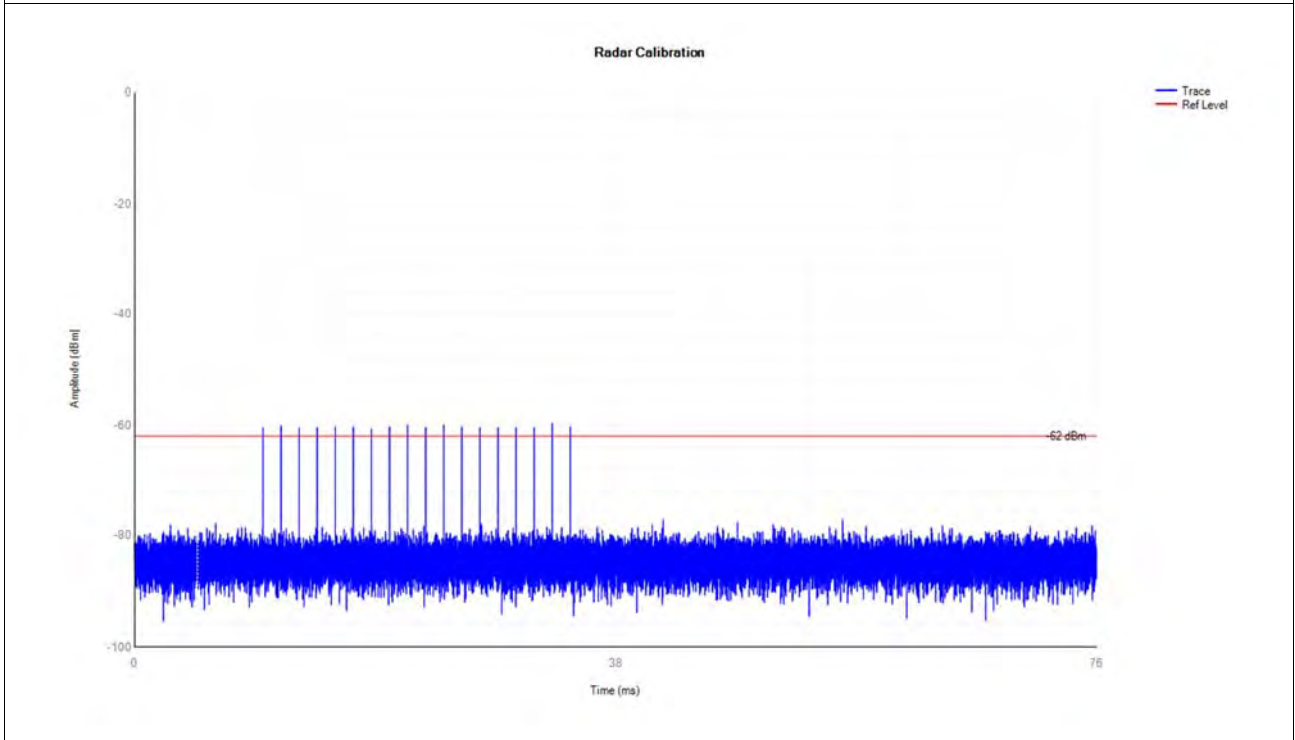
VBW: 3MHz

Test Graphs

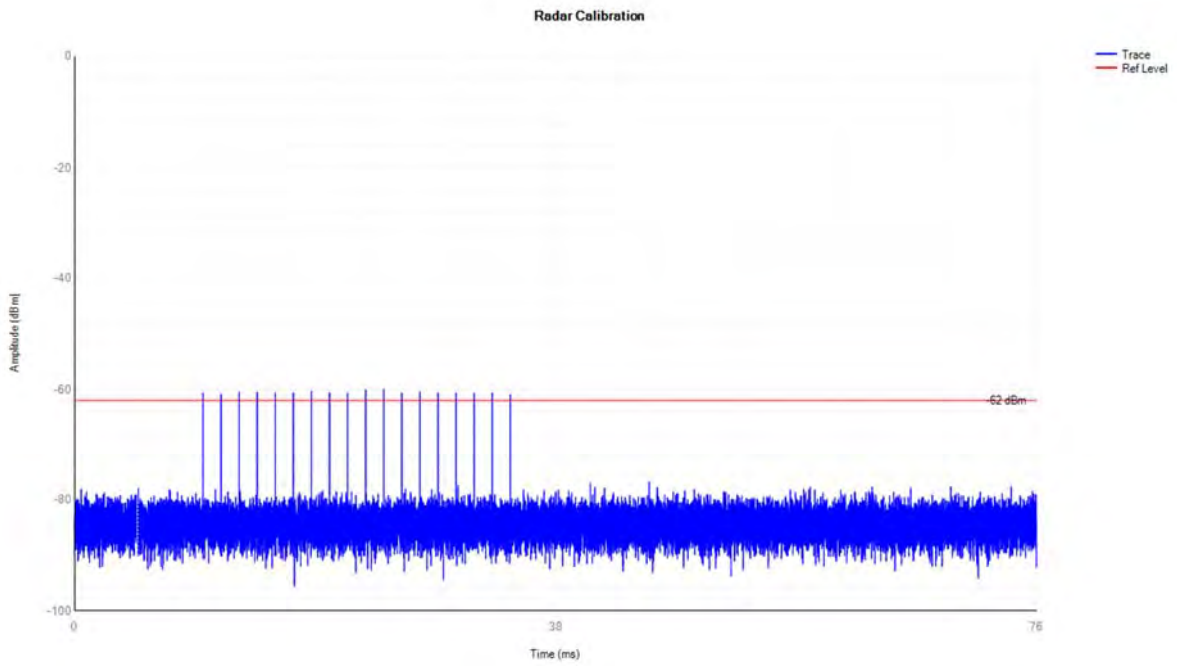
5320MHz DFS_FCC_T0



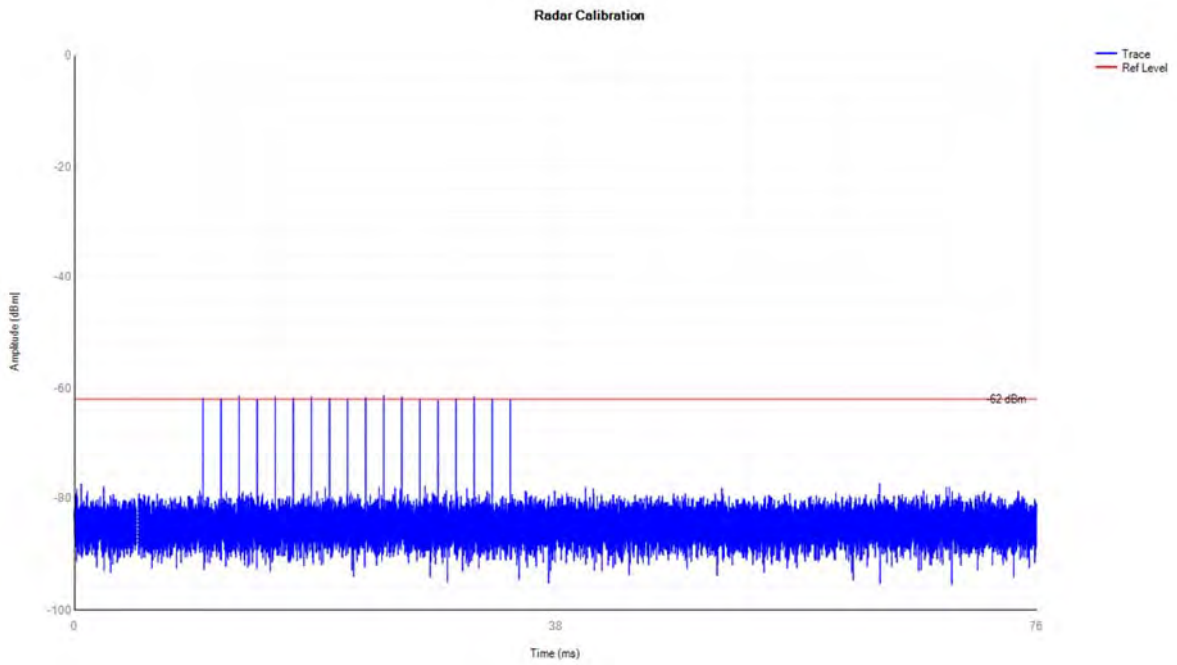
5500MHz DFS_FCC_T0



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	0.874	10	0.093	0.26	0.01	0.06	Pass
a	5500	0.881	10	0.096	0.26	0.009	0.06	Pass
ac80	5290	0.762	10	0.035	0.26	0.008	0.06	Pass
ac80	5530	0.872	10	0.087	0.26	0.009	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

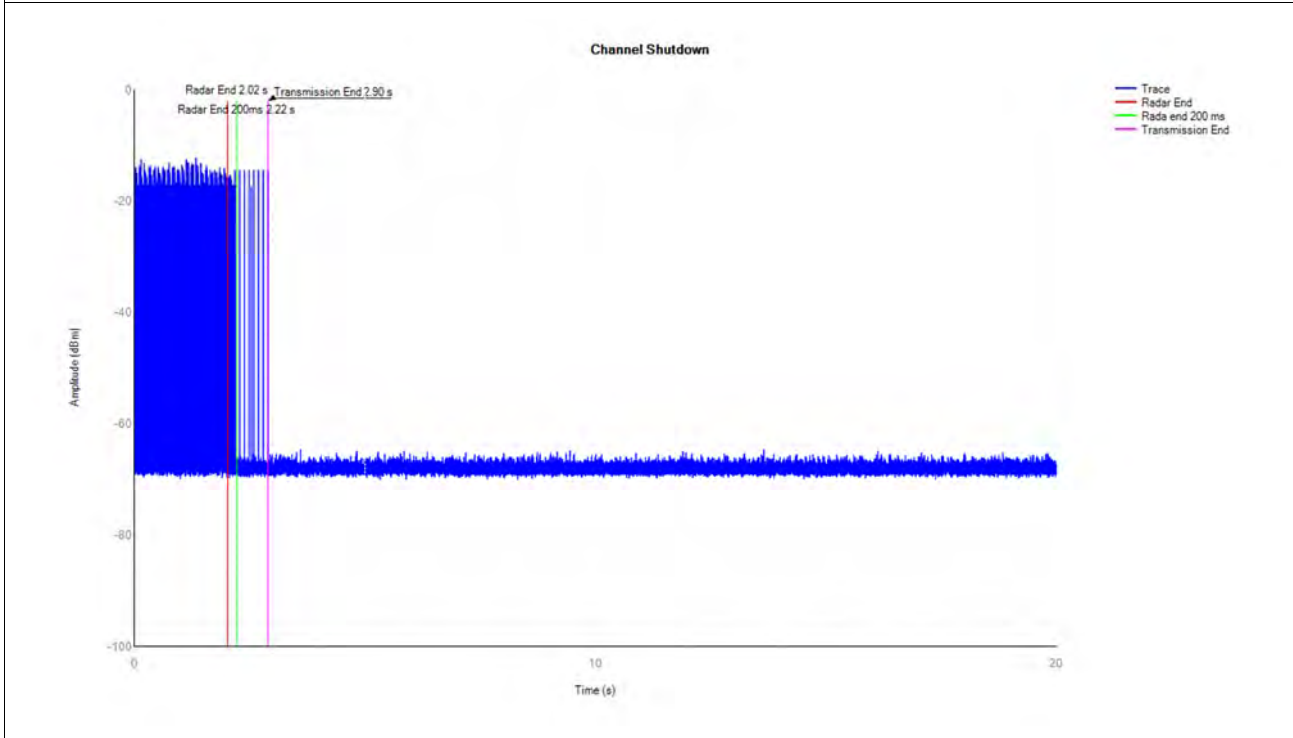
RBW: 3MHz

VBW: 3MHz

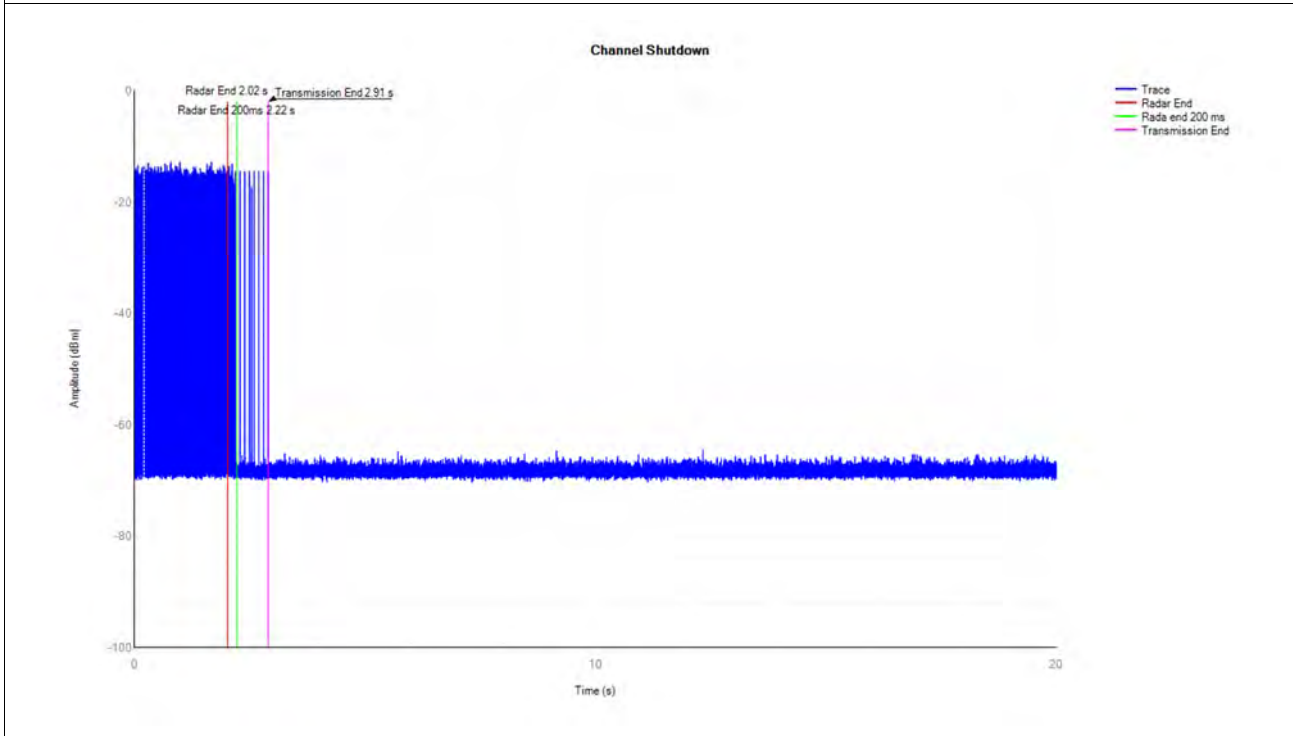
Sweep time: 20s

Test Graphs

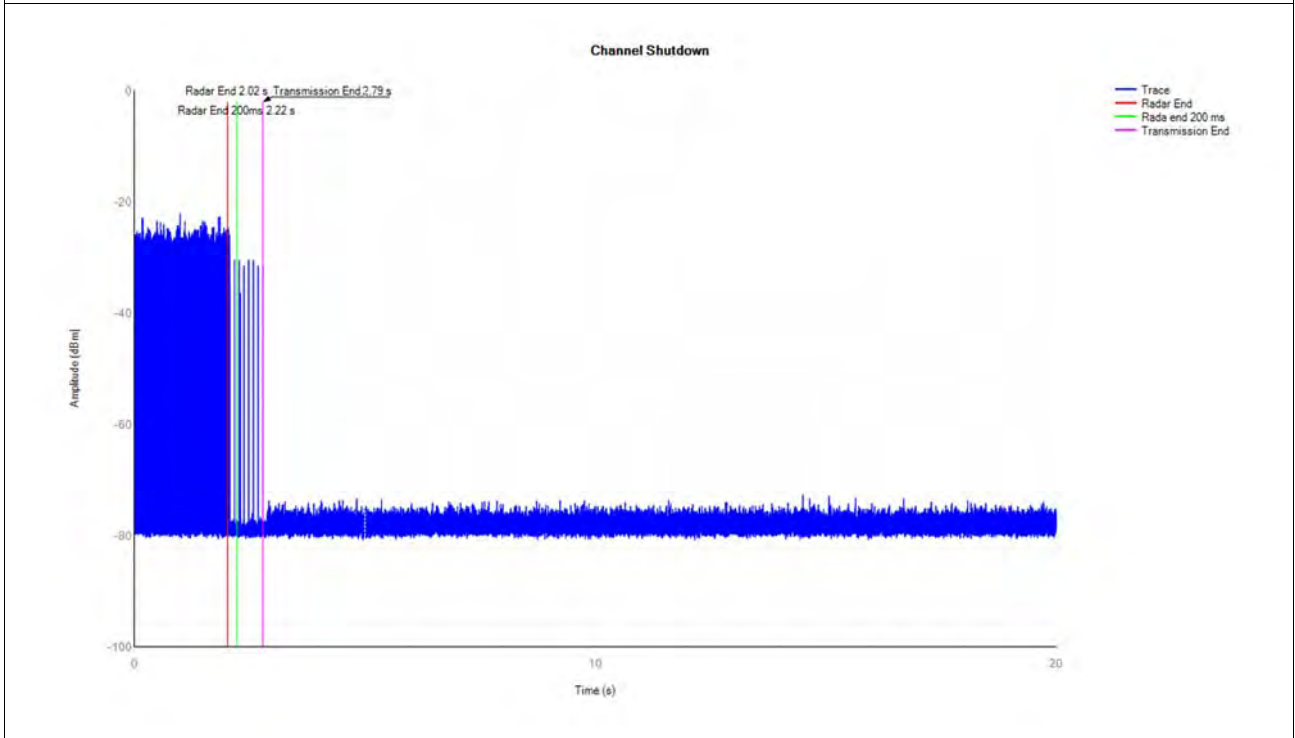
a 5320MHz Shutdown



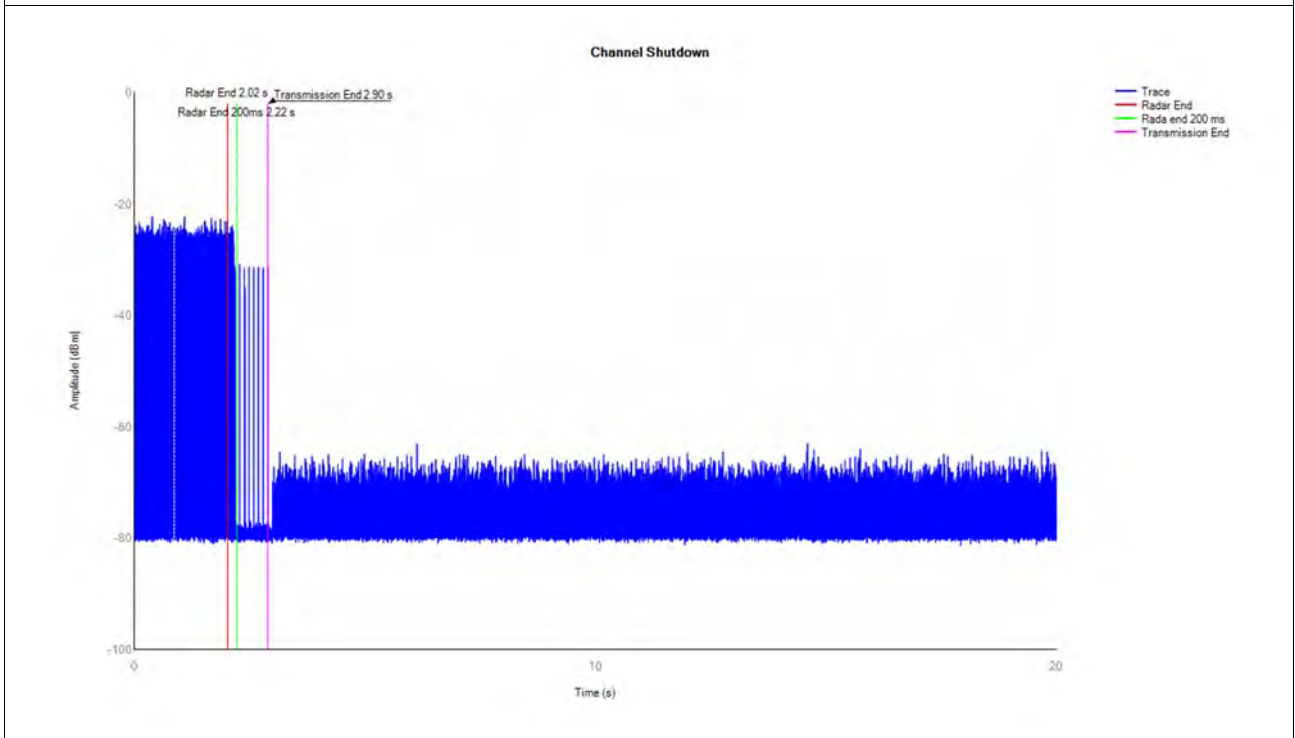
a 5500MHz Shutdown



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.



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

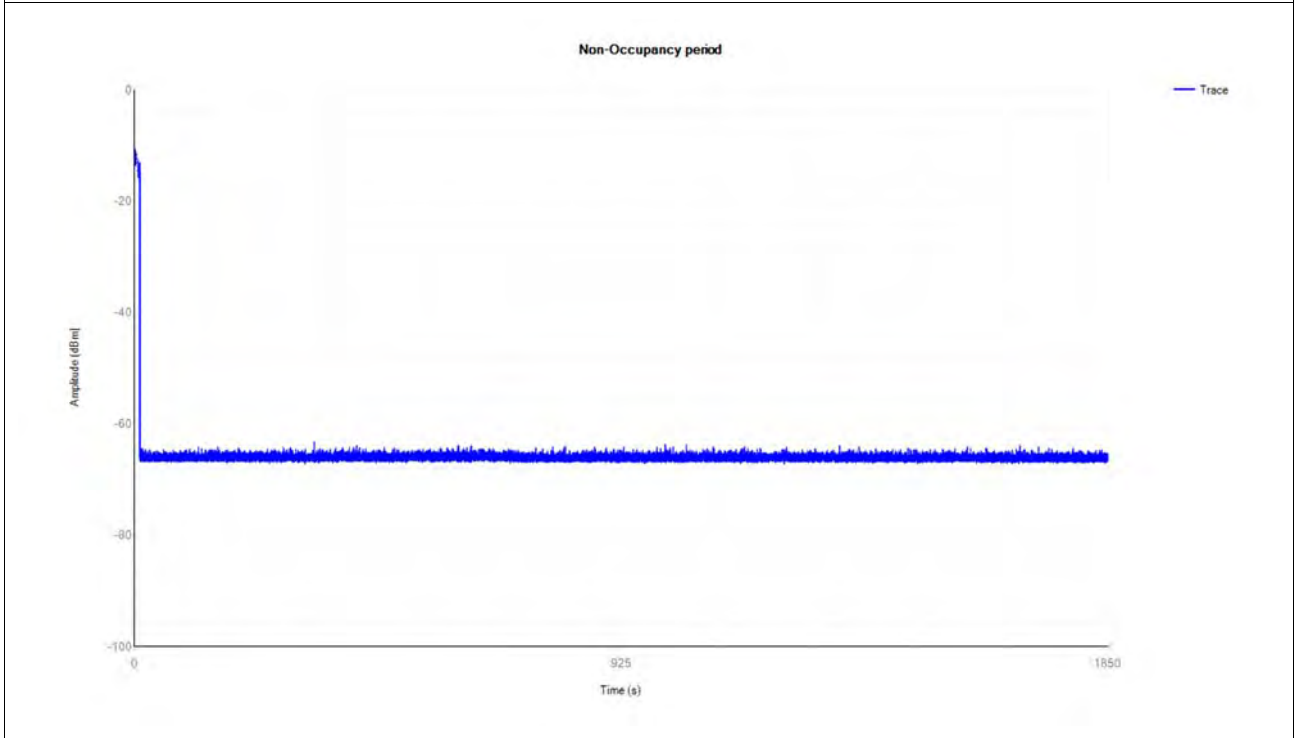
RBW: 3MHz

VBW: 3MHz

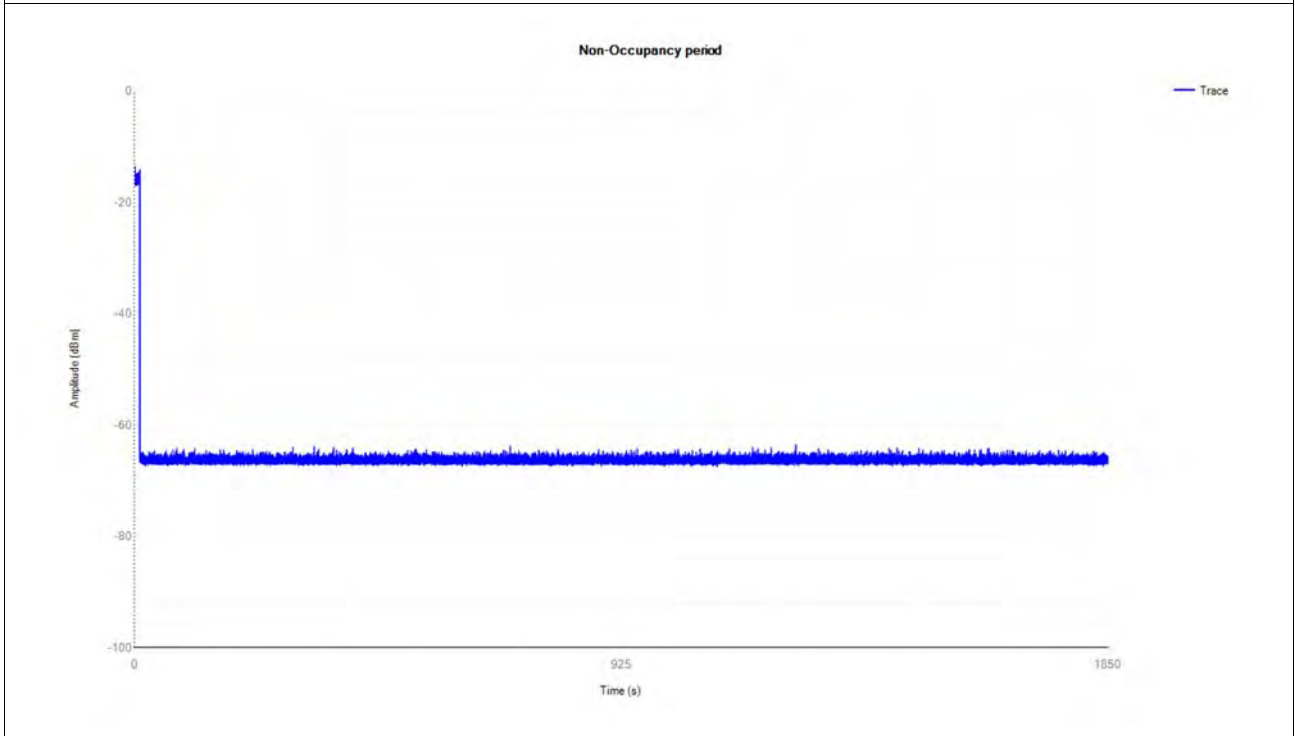
Sweep time: 1850s

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 + PC + PC adapter + WIFI TX

Test voltage: AC 120V/60Hz

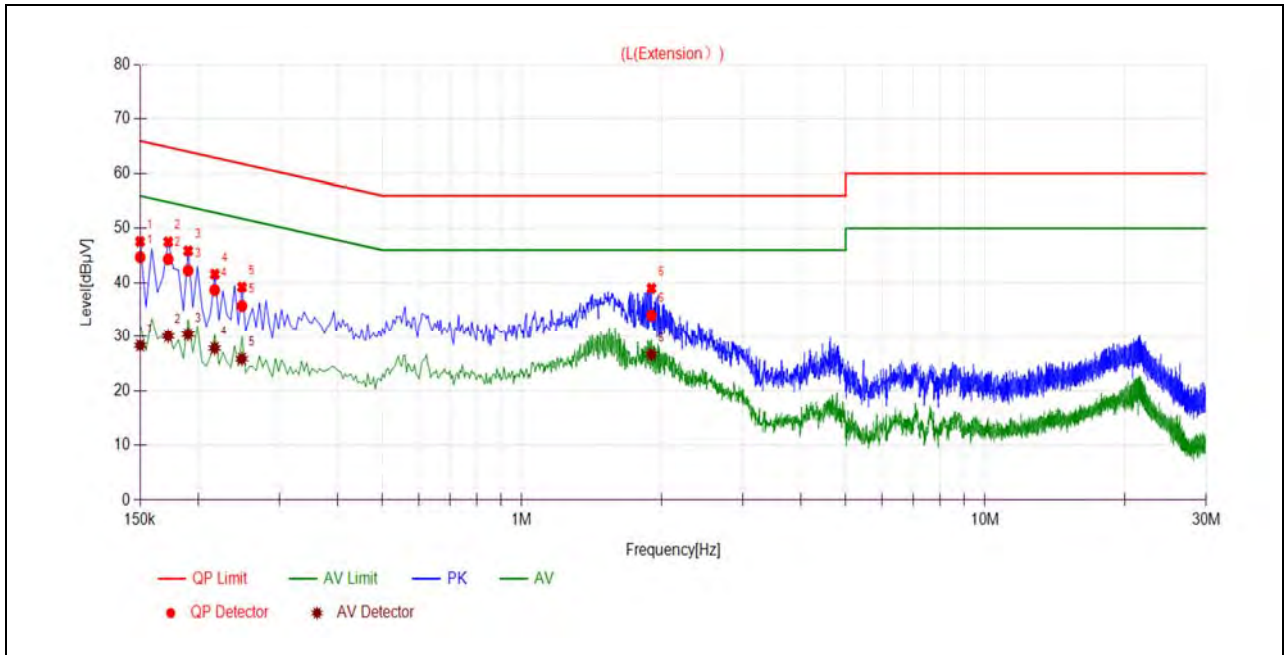
The measurement results are obtained as below:

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

U_R : Receiver Reading

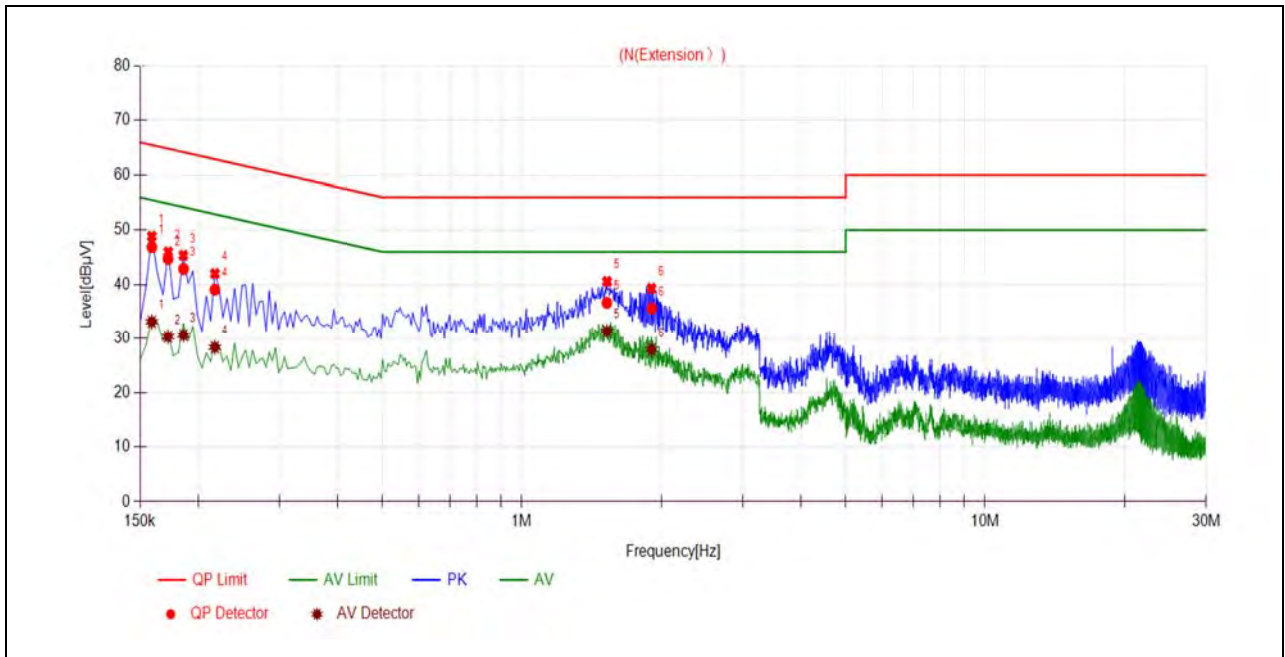
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1501	44.71	28.32	65.99	55.99	Line	PASS
2	0.1725	44.34	30.07	64.84	54.84		PASS
3	0.1904	42.24	30.38	64.02	54.02		PASS
4	0.2173	38.65	27.80	62.92	52.92		PASS
5	0.2488	35.71	25.83	61.80	51.80		PASS
6	1.9048	33.98	26.65	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1590	46.90	33.16	65.51	55.51	Neutral	PASS
2	0.1723	44.73	30.32	64.85	54.85		PASS
3	0.1861	42.88	30.61	64.21	54.21		PASS
4	0.2175	39.08	28.35	62.91	52.91		PASS
5	1.5258	36.66	31.35	56.00	46.00		PASS
6	1.9069	35.61	27.95	56.00	46.00		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

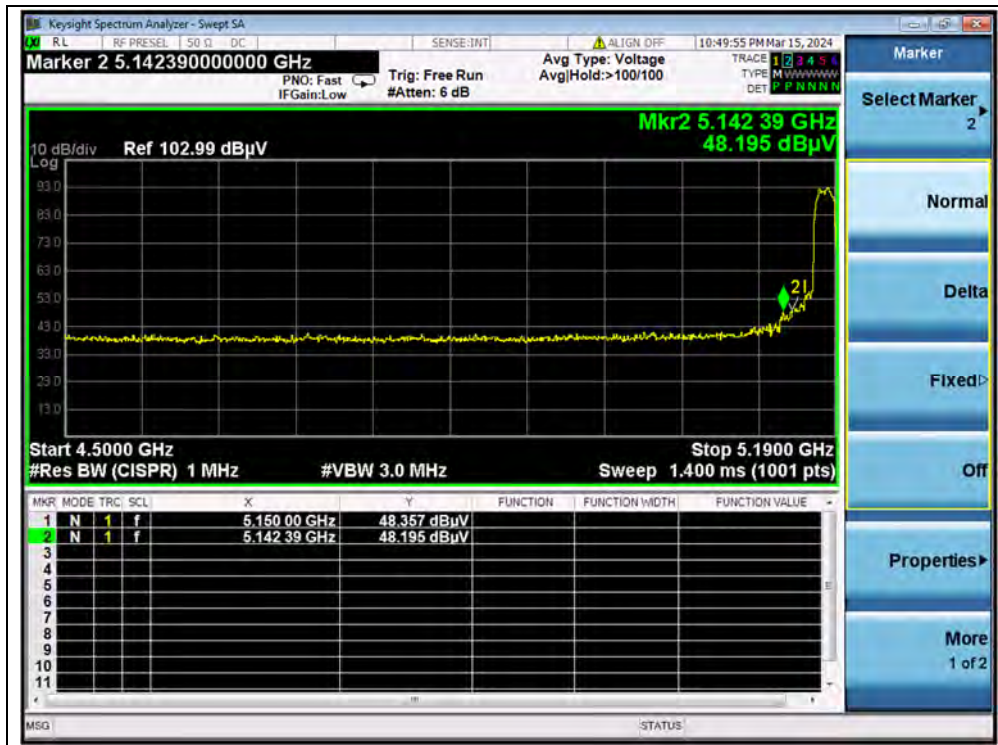
A_{Factor} : Antenna Factor at 3m

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.

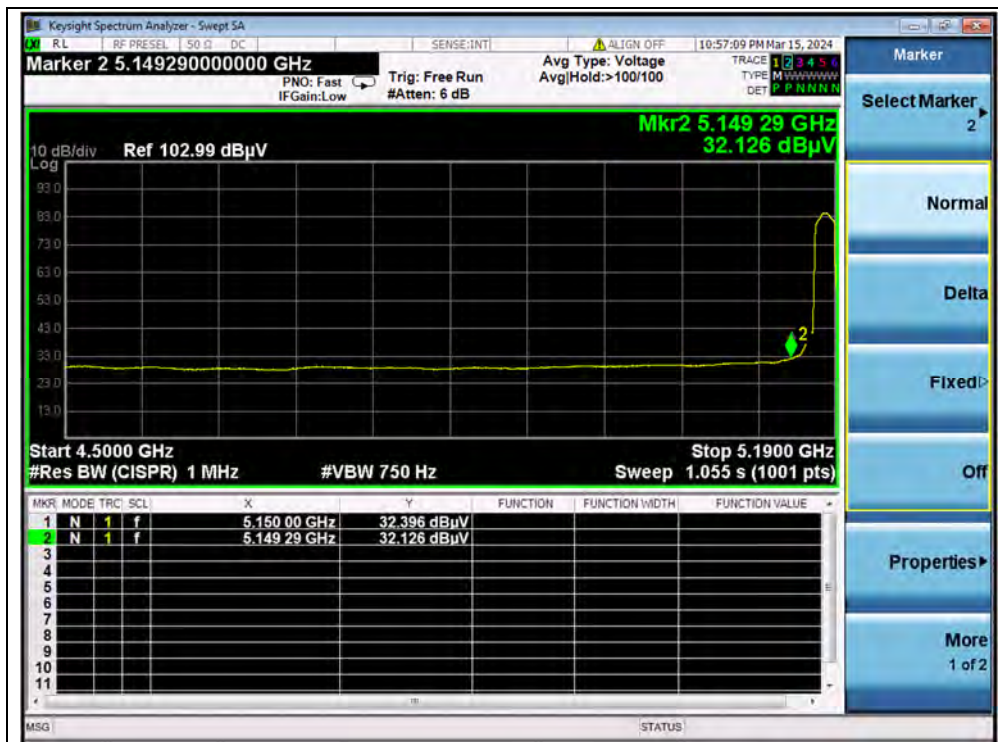
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

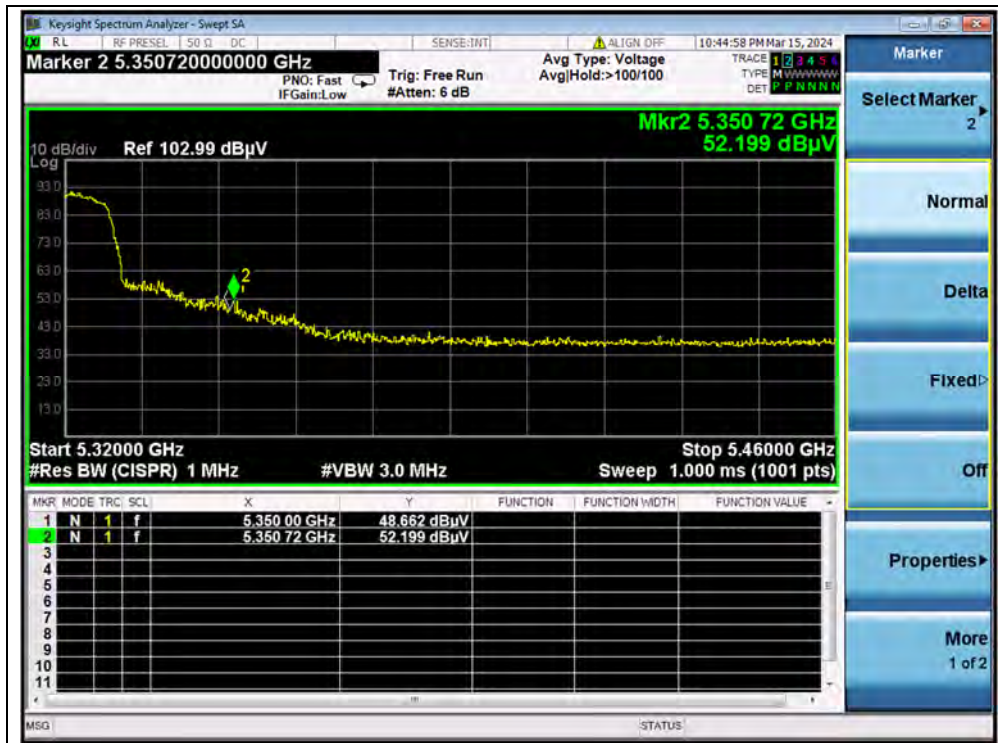
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5150.00	PK	48.36	-19.54	32.20	61.02	74	PASS
36	5150.00	AV	32.40	-19.54	32.20	45.06	54	PASS
64	5350.72	PK	52.20	-18.80	32.20	65.60	74	PASS
64	5350.44	AV	32.45	-18.80	32.20	45.85	54	PASS
100	5466.14	PK	49.20	-19.20	32.20	62.20	68.23	PASS
100	5470.00	AV	31.76	-19.20	32.20	44.76	54	PASS
144	5726.10	PK	51.17	-19.20	32.20	64.17	68.23	PASS
149	5725.00	PK	49.52	-19.01	32.20	62.71	122.23	PASS
165	5855.00	PK	47.94	-19.01	32.20	61.13	110.83	PASS



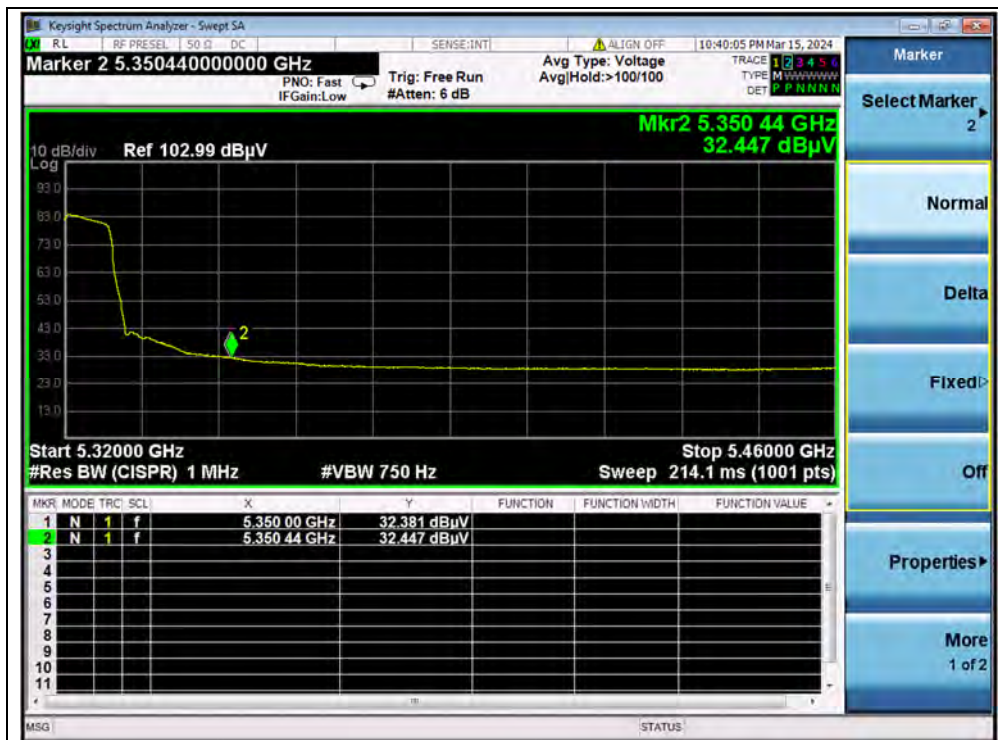
(PEAK, Channel 36, 802.11a)



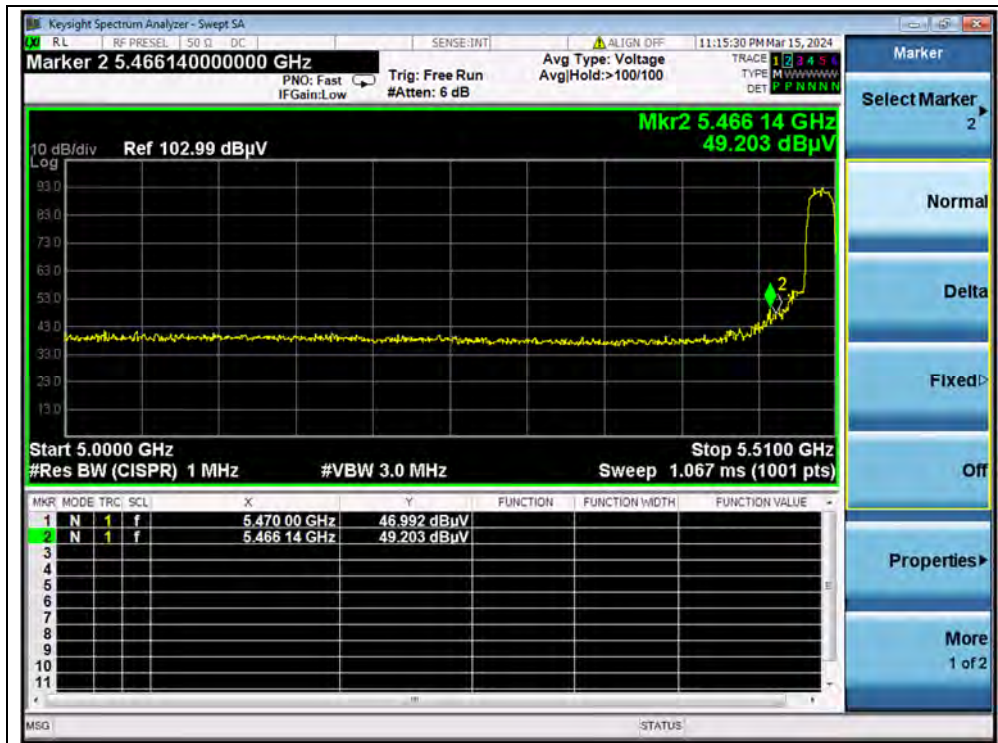
(AVERAGE, Channel 36, 802.11a)



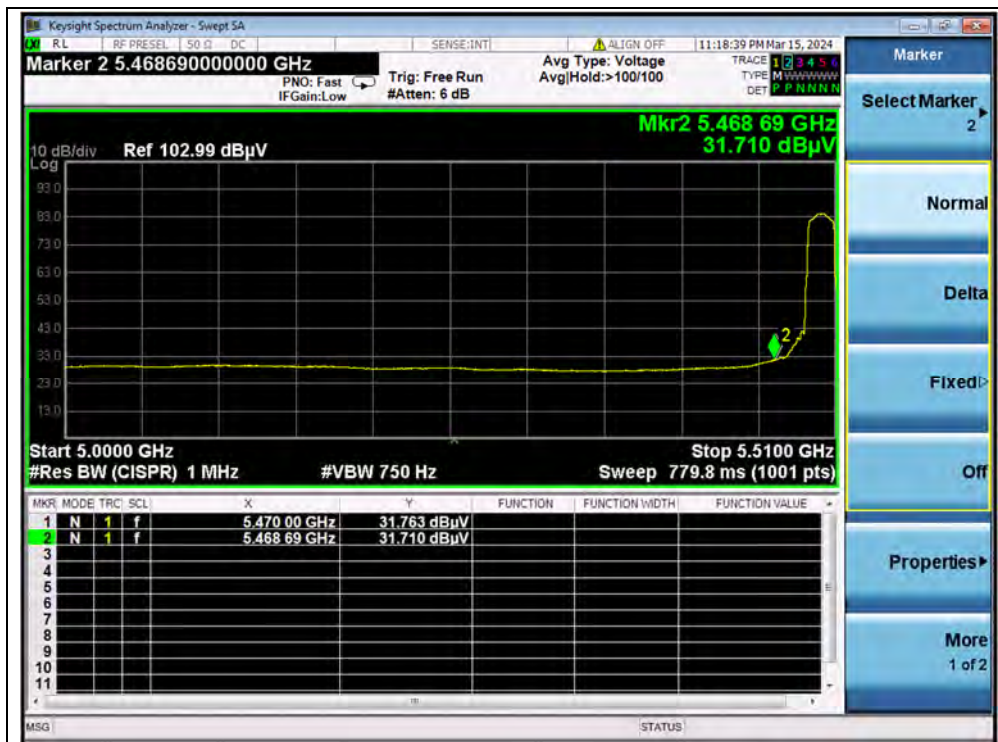
(PEAK, Channel 64, 802.11a)



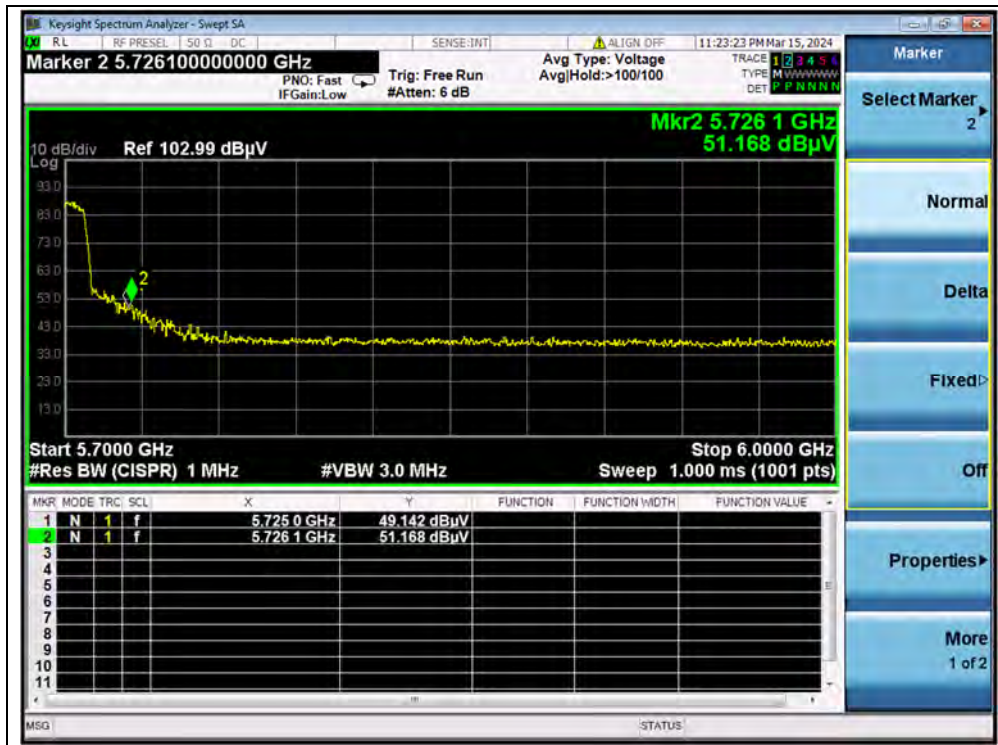
(AVERAGE, Channel 64, 802.11a)



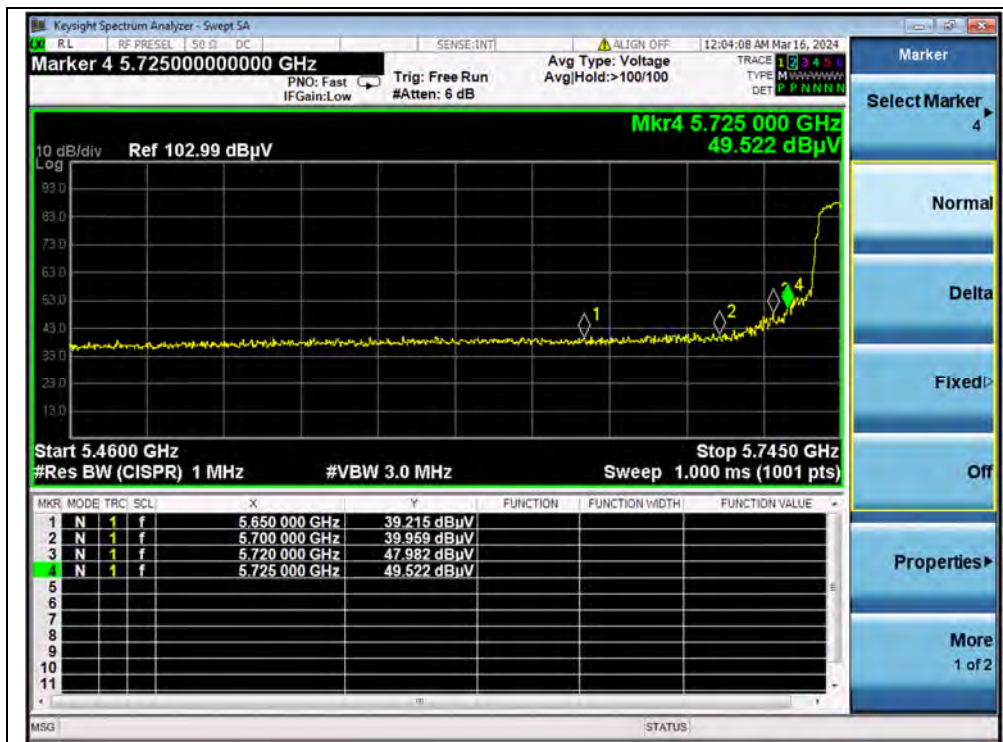
(PEAK, Channel 100, 802.11a)



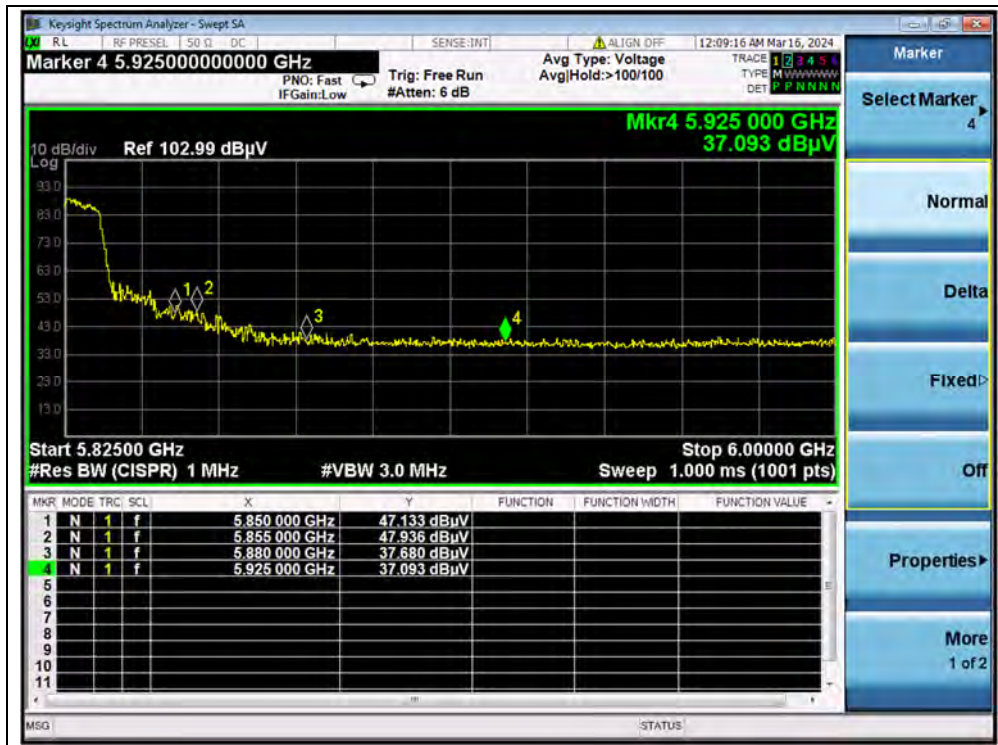
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

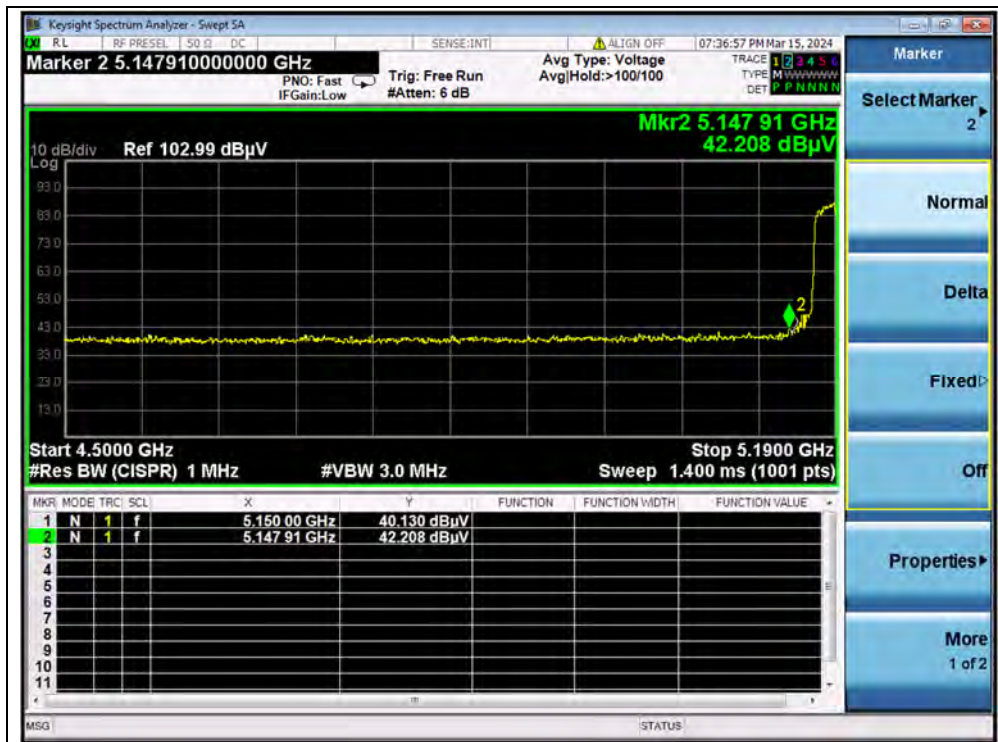


(PEAK, Channel 165, 802.11a)

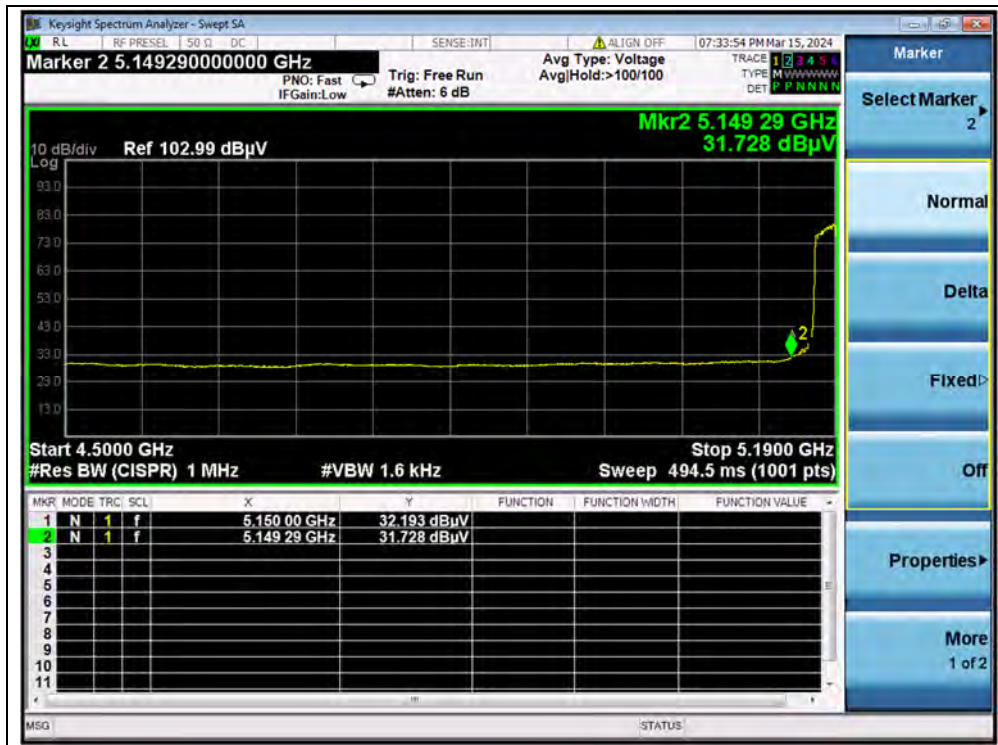


802.11n (HT40) Mode

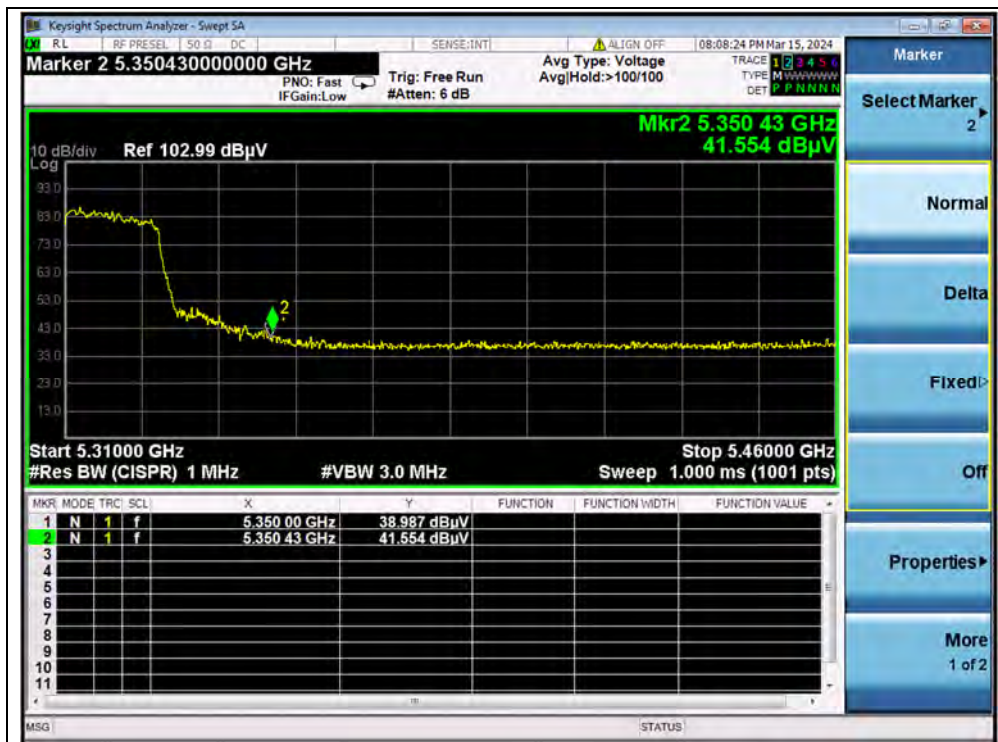
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
38	5147.91	PK	42.21	-19.54	32.20	54.87	74	PASS
38	5150.00	AV	32.19	-19.54	32.20	44.85	54	PASS
62	5350.43	PK	41.55	-18.80	32.20	54.95	74	PASS
62	5350.88	AV	29.93	-18.80	32.20	43.33	54	PASS
102	5469.67	PK	42.90	-19.20	32.20	55.90	74	PASS
102	5096.02	AV	30.32	-19.20	32.20	43.32	54	PASS
142	5856.45	PK	40.54	-19.20	32.20	53.54	68.23	PASS
151	5725.00	PK	49.11	-19.01	32.20	62.30	122.23	PASS
159	5880.00	PK	38.75	-19.01	32.20	51.94	101.53	PASS



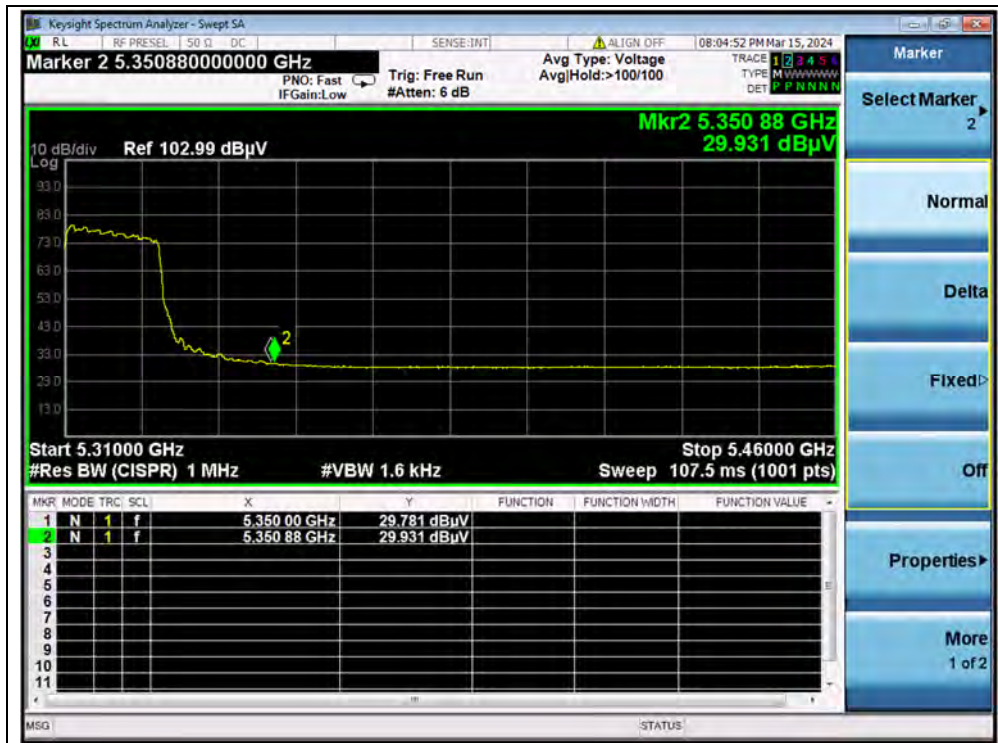
(PEAK, Channel 38, 802.11n (HT40))



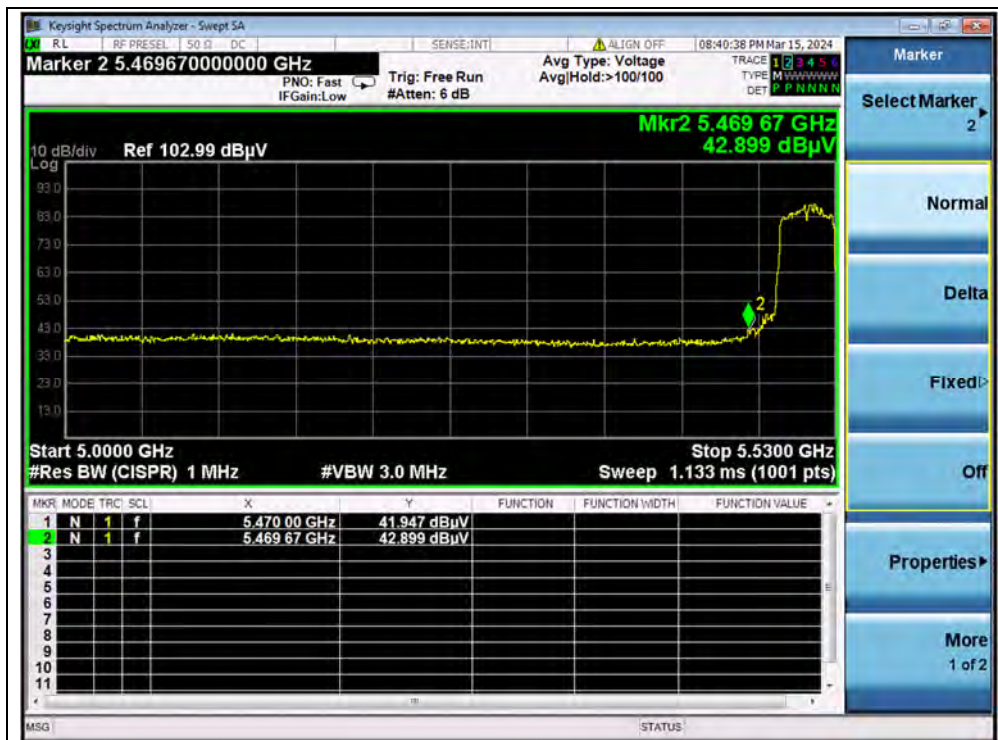
(AVERAGE, Channel 38, 802.11n (HT40))



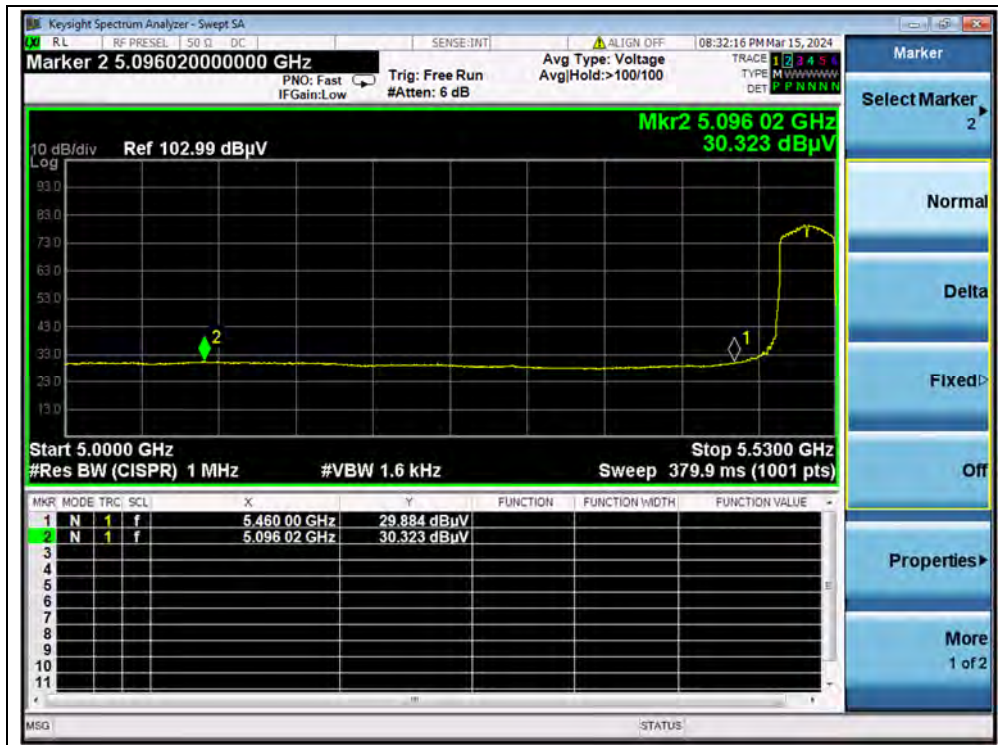
(PEAK, Channel 62, 802.11n (HT40))



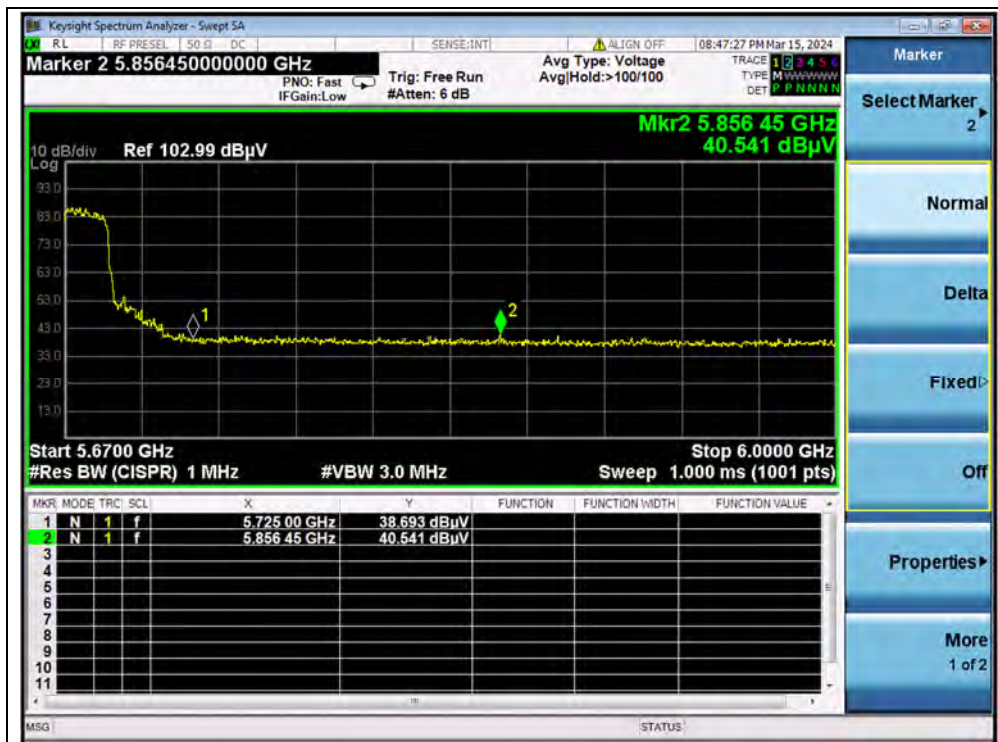
(AVERAGE, Channel 62, 802.11n (HT40))



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



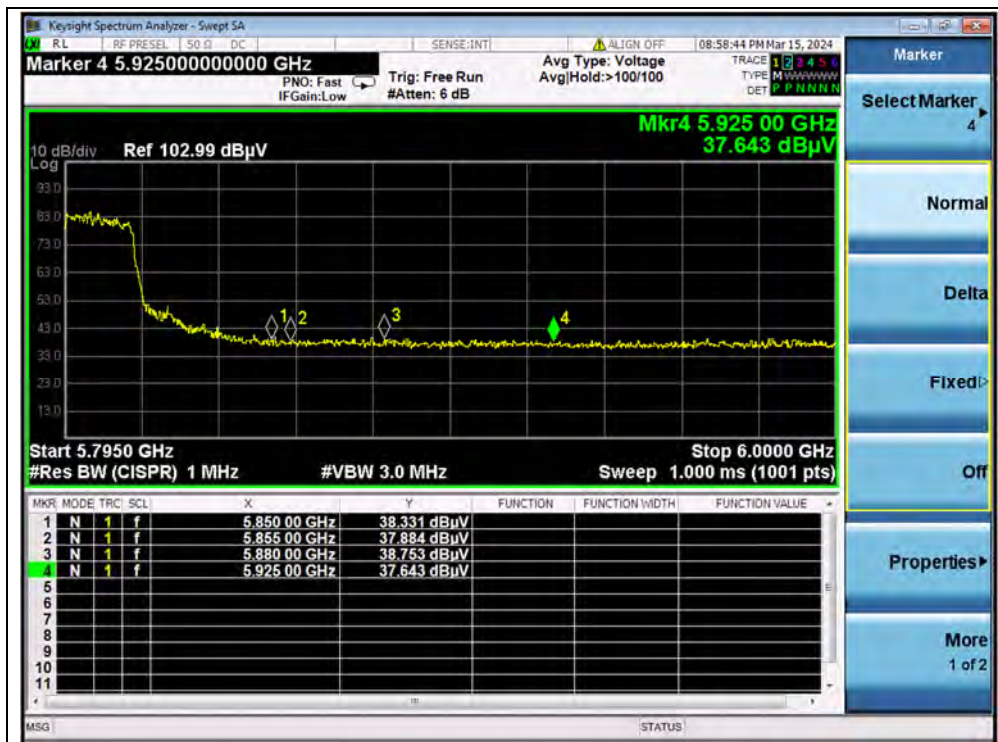
(AVERAGE, Channel 102, 802.11n (HT40))



(PEAK, Channel 142, 802.11n (HT40))



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

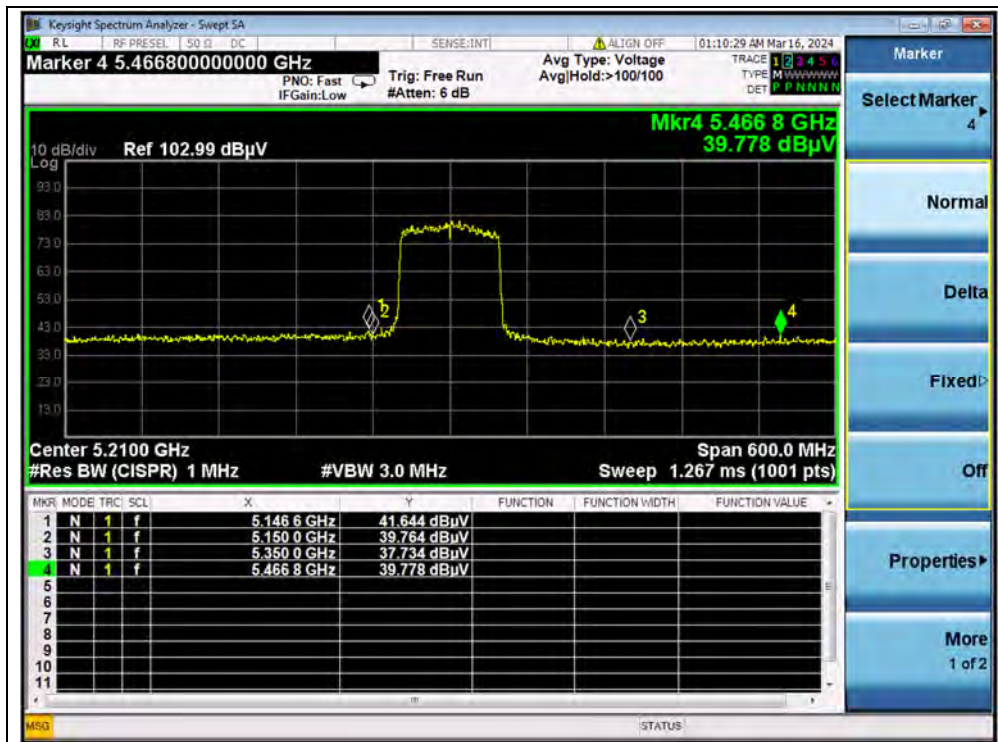


(PEAK, Channel 159, 802.11n (HT40))

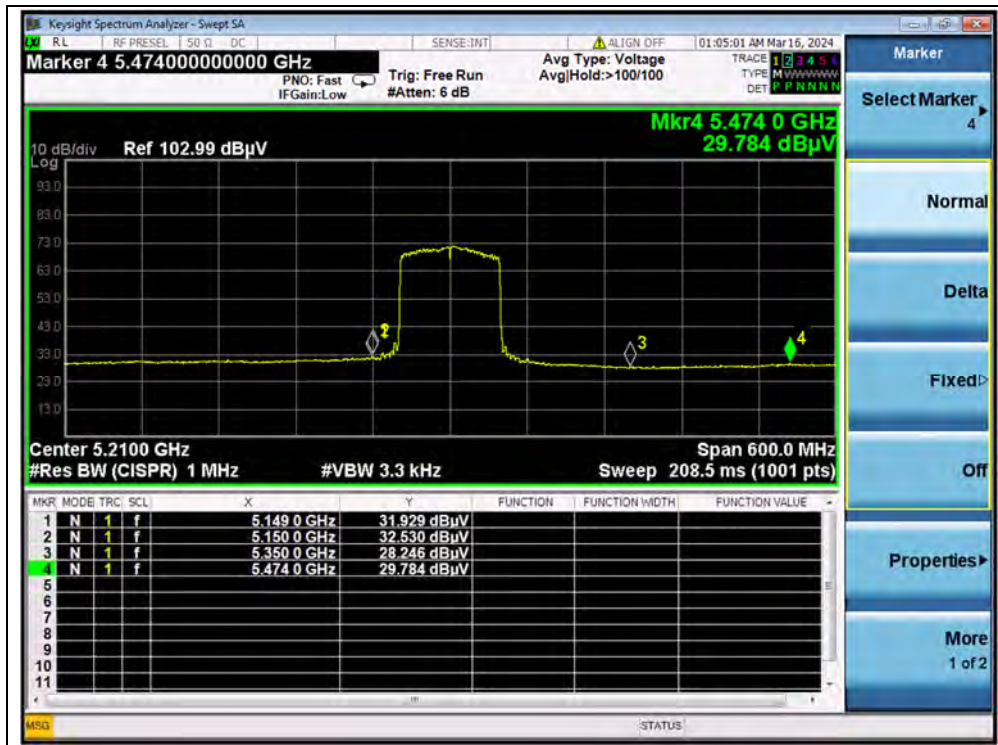


802.11ac (VHT80) Mode

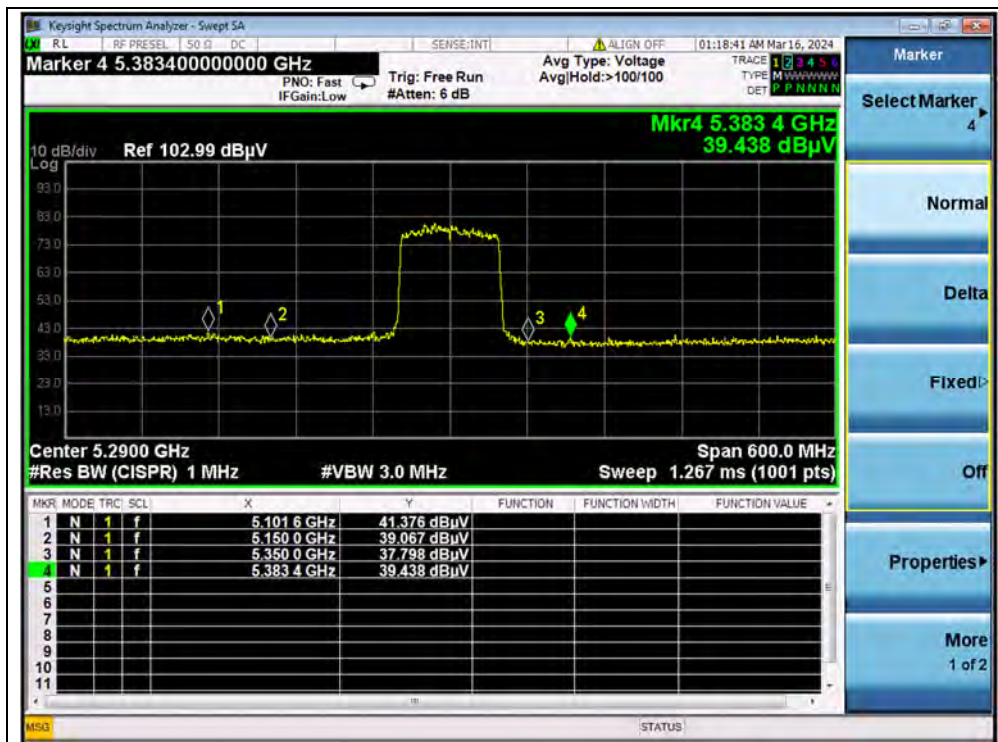
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
42	5146.60	PK	41.64	-19.54	32.20	54.30	74	PASS
42	5150.00	AV	32.53	-19.54	32.20	45.19	54	PASS
58	5101.60	PK	41.38	-18.80	32.20	54.78	74	PASS
58	5118.40	AV	30.93	-18.80	32.20	44.33	54	PASS
106	5025.97	PK	41.33	-19.20	32.20	54.33	74	PASS
106	5107.06	AV	30.98	-19.20	32.20	43.98	54	PASS
138	5735.58	PK	40.90	-19.20	32.20	53.90	68.23	PASS
155	5725.00	PK	43.04	-19.01	32.20	56.23	122.23	PASS
155	5850.00	PK	38.79	-19.01	32.20	51.98	122.23	PASS



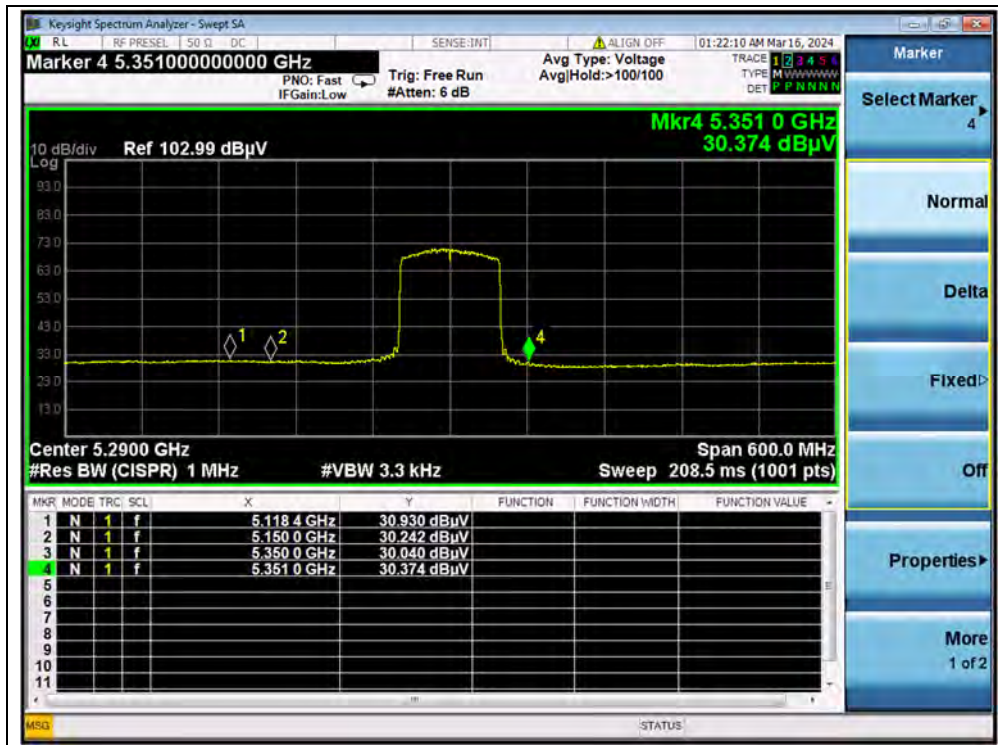
(PEAK, Channel 42, 802.11ac (VHT80))



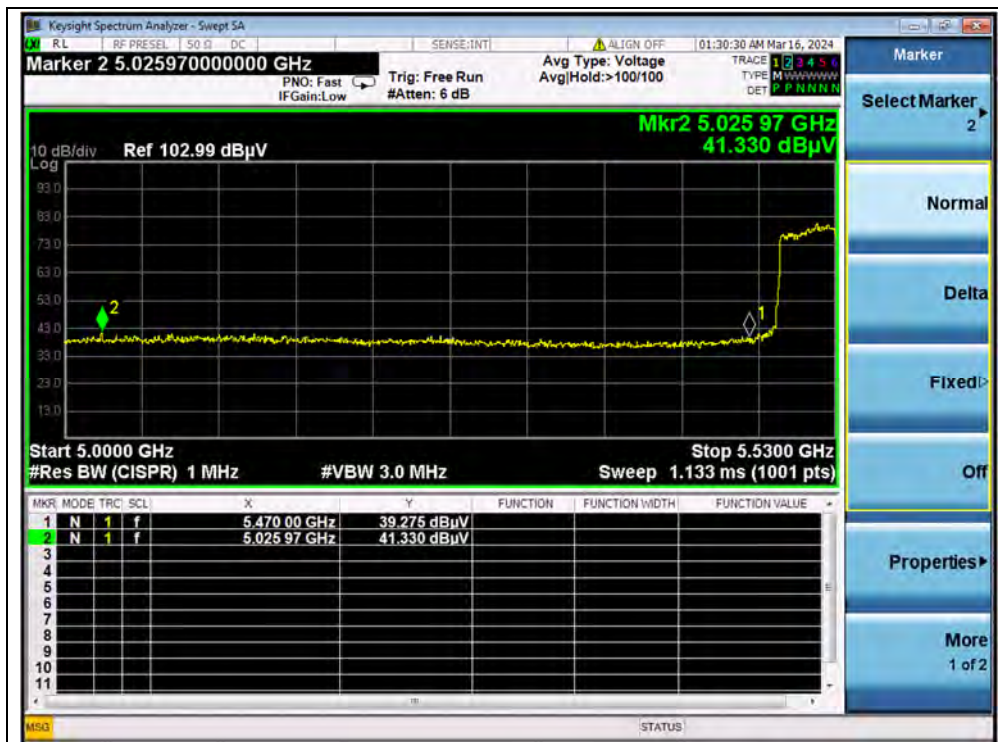
(AVERAGE, Channel 42, 802.11ac (VHT80))



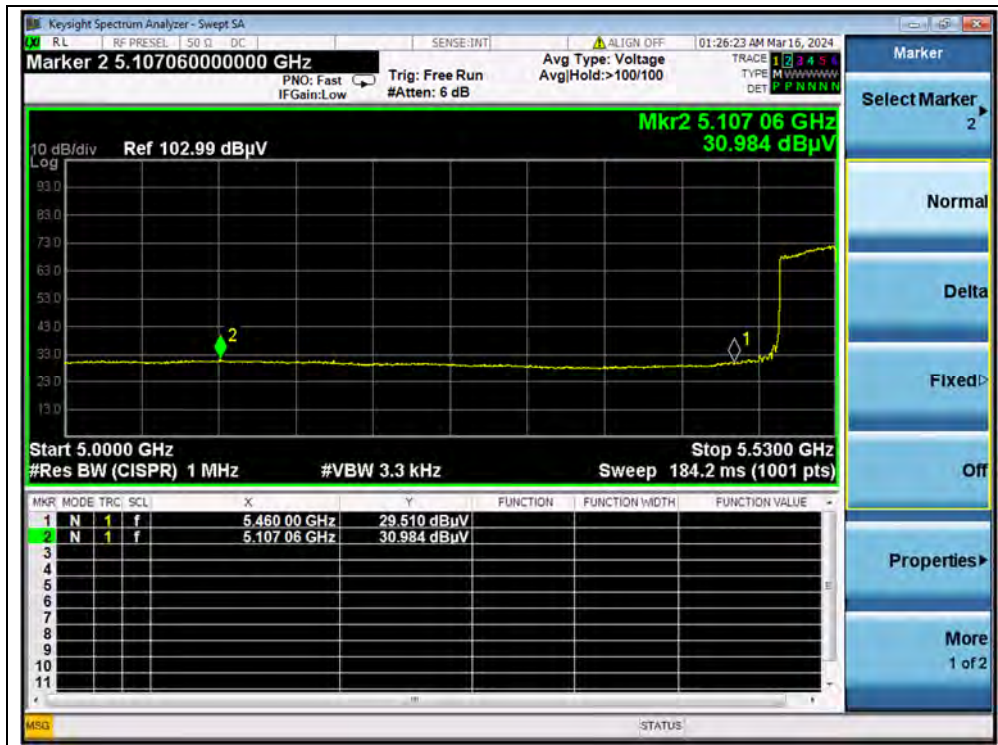
(PEAK, Channel 58, 802.11ac (VHT80))



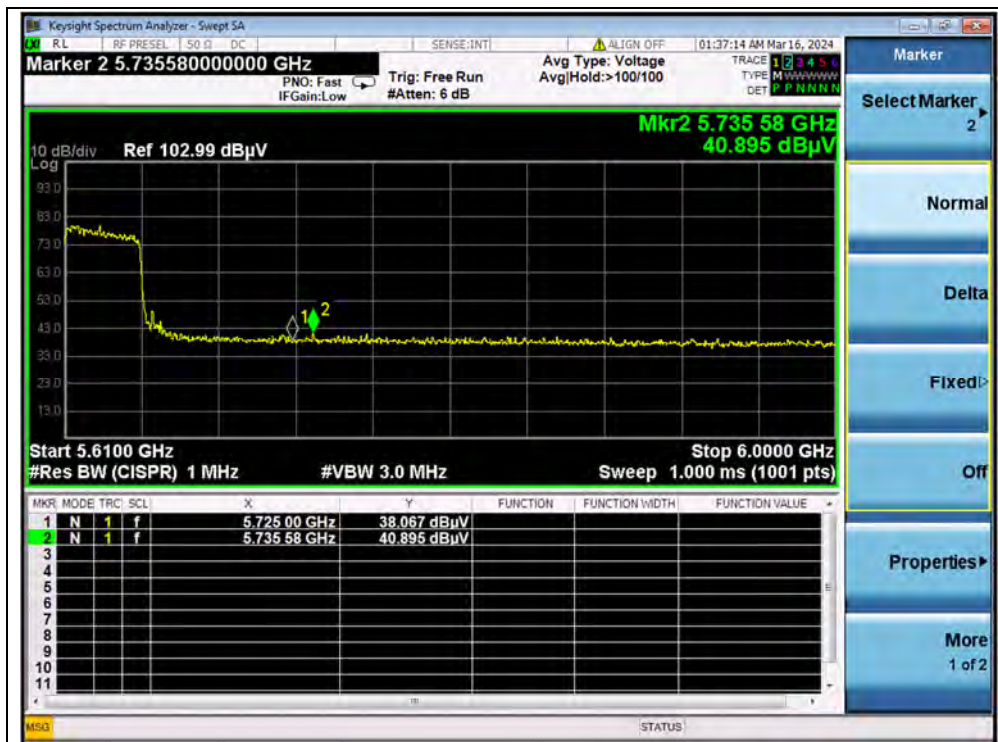
(AVERAGE, Channel 58, 802.11ac (VHT80))



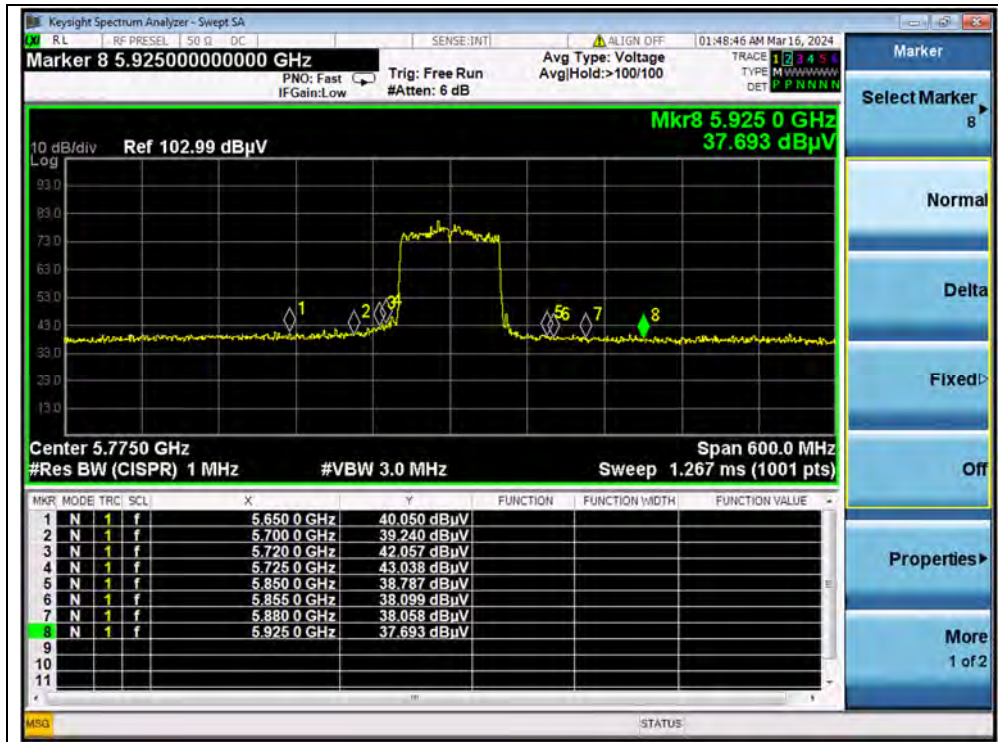
(PEAK, Channel 106, 802.11ac (VHT80))



(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.

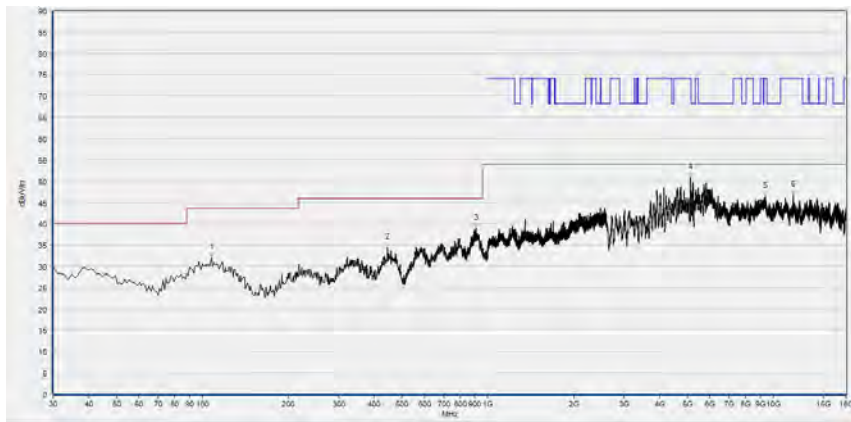
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



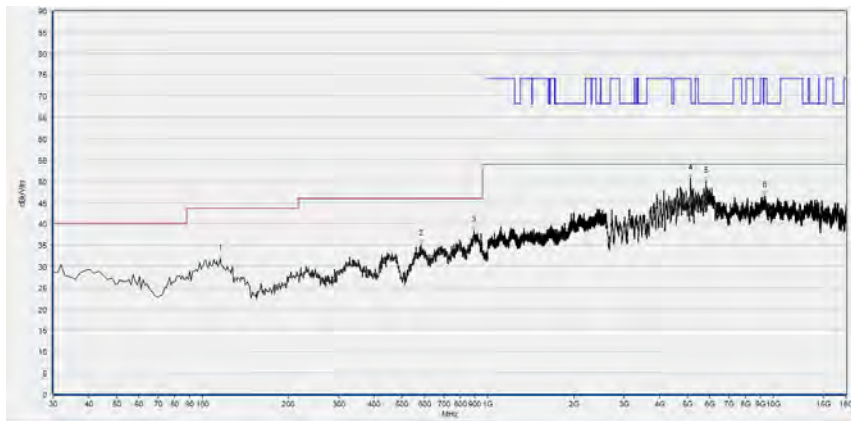
802.11a Mode

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
107.678	32.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
444.605	34.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.671	38.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5129.186	50.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9398.920	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11777.155	46.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

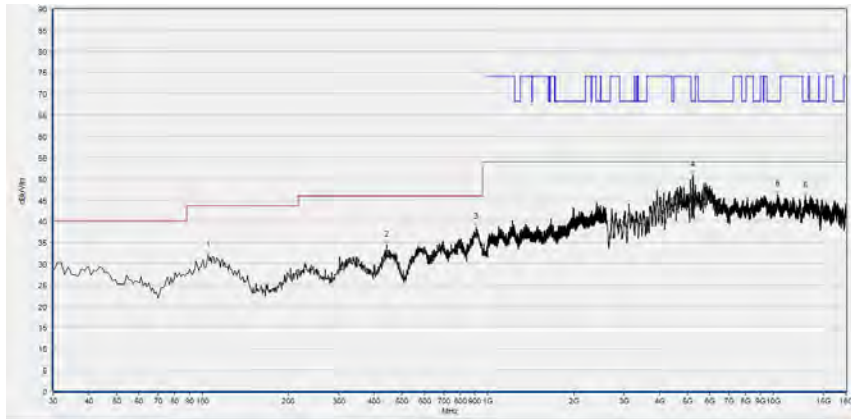
(Antenna Horizontal, 30MHz to 18GHz)



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
115.445	31.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.453	35.13	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
896.106	38.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5132.266	50.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5828.486	49.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9318.824	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

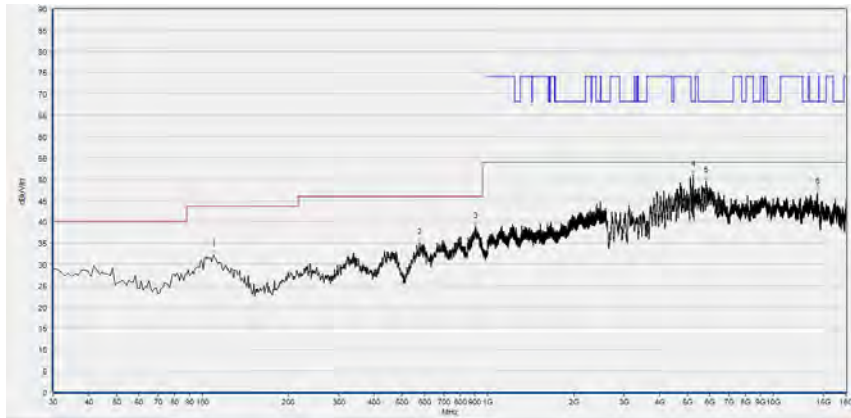
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	31.96	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
441.692	34.28	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	38.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5227.766	50.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10341.588	46.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12993.999	45.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

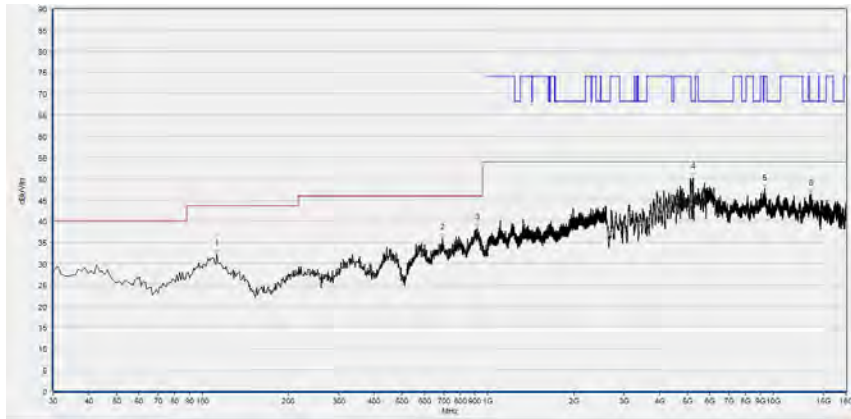
(Antenna Horizontal, 30MHz to 18GHz)



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	32.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
576.657	35.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.845	38.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5243.169	50.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5828.486	49.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14266.293	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

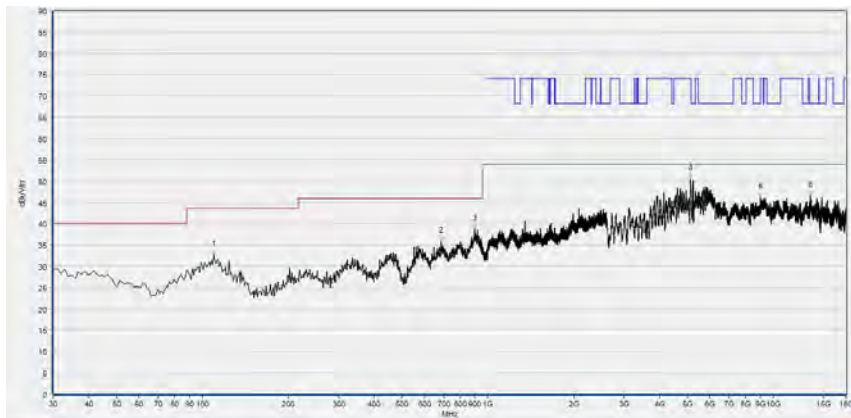
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
695.115	36.00	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.409	38.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5230.846	50.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9352.711	47.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13585.477	46.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

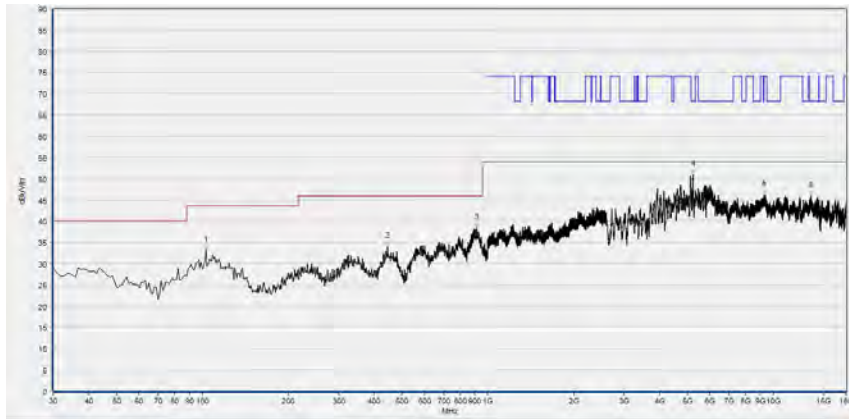
(Antenna Horizontal, 30MHz to 18GHz)



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	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
687.347	35.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.048	38.72	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5126.105	50.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9032.326	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13468.414	46.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

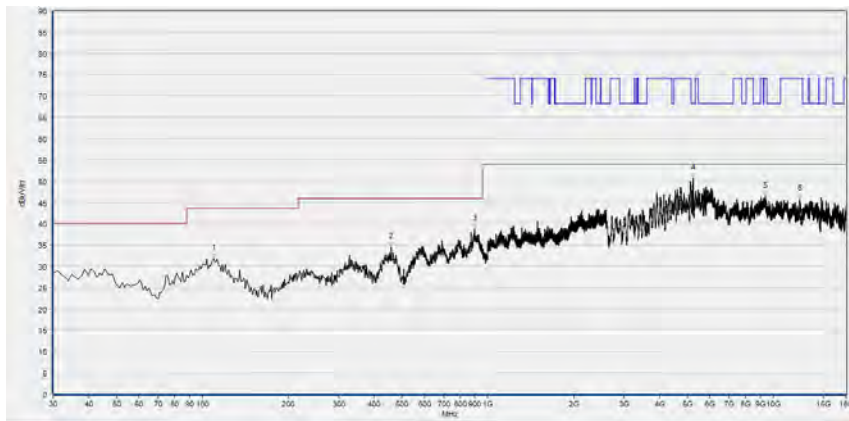
(Antenna Vertical, 30MHz to 18GHz)

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
102.823	33.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
445.576	34.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
912.613	38.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5237.007	50.94	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9288.018	46.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13560.832	45.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

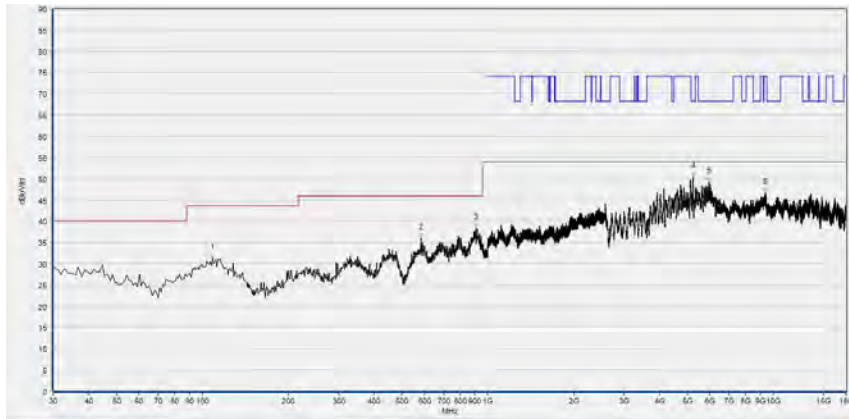
(Antenna Horizontal, 30MHz to 18GHz)



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	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
459.169	34.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
897.077	38.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5240.088	50.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9395.839	46.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12393.279	45.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

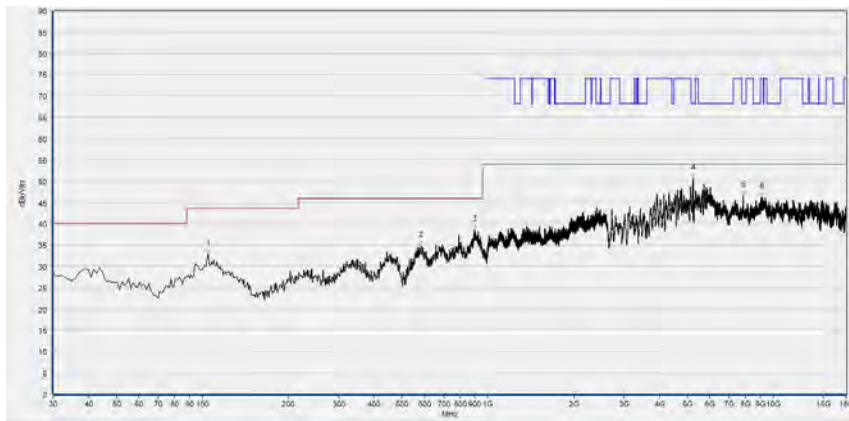
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	31.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.482	36.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
907.758	38.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5230.846	50.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5964.033	49.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9368.114	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

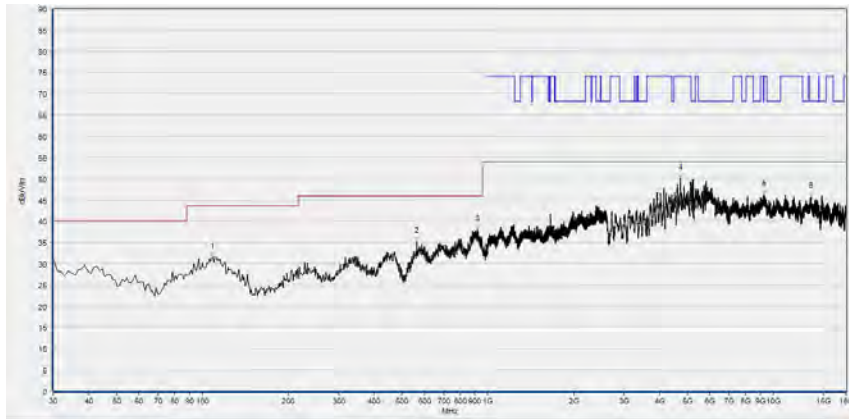
(Antenna Horizontal, 30MHz to 18GHz)



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
104.765	32.92	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
582.482	34.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	38.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5233.927	50.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7840.128	46.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9097.019	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

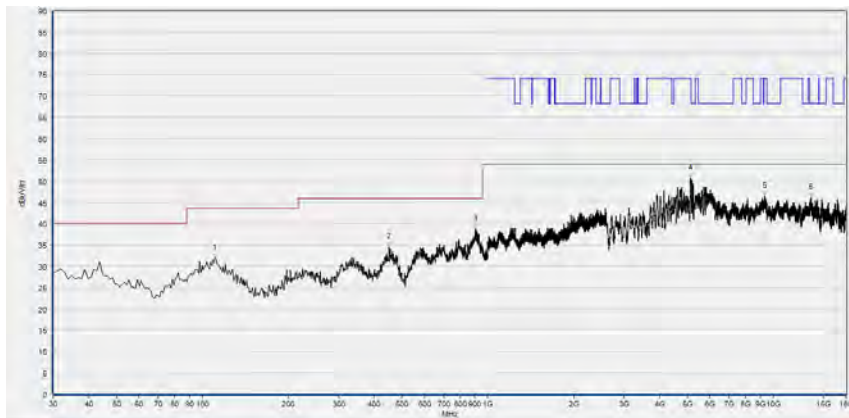
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	31.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	35.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
917.467	38.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4731.786	50.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9278.776	46.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13591.638	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

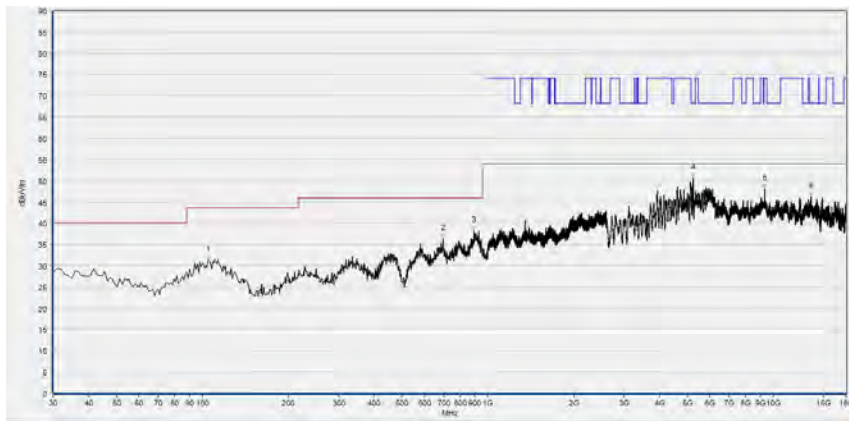
(Antenna Horizontal, 30MHz to 18GHz)



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	31.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
451.401	34.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.932	38.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5119.944	50.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9309.582	46.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13588.558	46.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

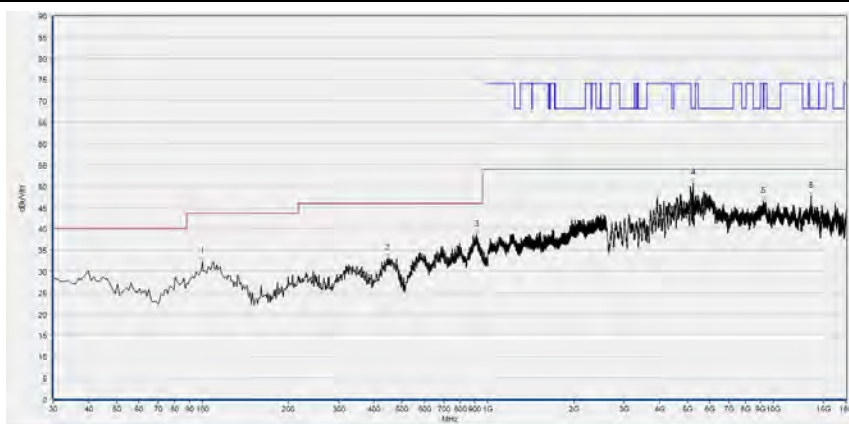
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	31.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
698.999	36.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
894.164	38.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5240.088	50.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9318.824	48.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13566.993	46.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

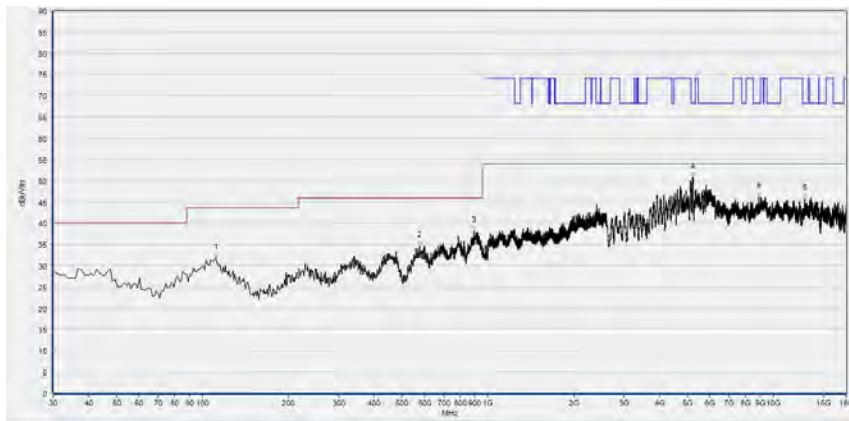
(Antenna Horizontal, 30MHz to 18GHz)



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
99.910	32.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
445.576	33.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	38.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5237.007	50.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9232.567	46.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13573.155	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

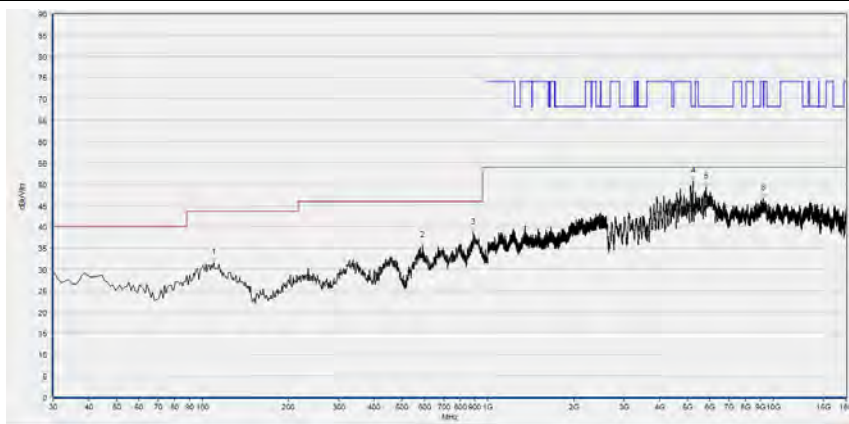
(Antenna Vertical, 30MHz to 18GHz)

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
111.562	31.80	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
577.628	34.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
894.164	38.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5224.685	50.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8921.424	46.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12895.419	45.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

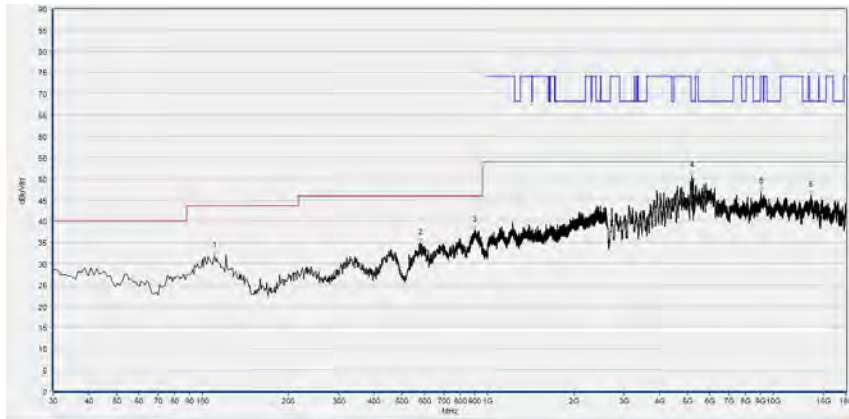
(Antenna Horizontal, 30MHz to 18GHz)



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	31.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
591.221	35.54	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
891.251	38.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5240.088	50.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5825.405	49.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9223.325	46.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

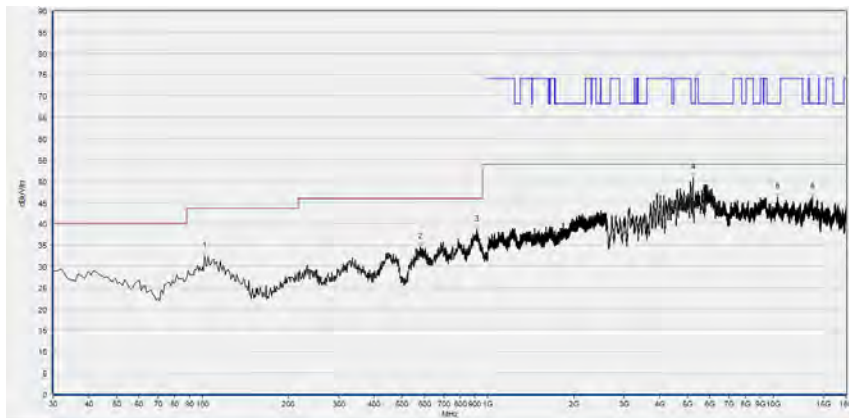
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



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	31.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
581.512	34.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.077	37.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5184.637	50.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9081.616	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13536.187	46.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

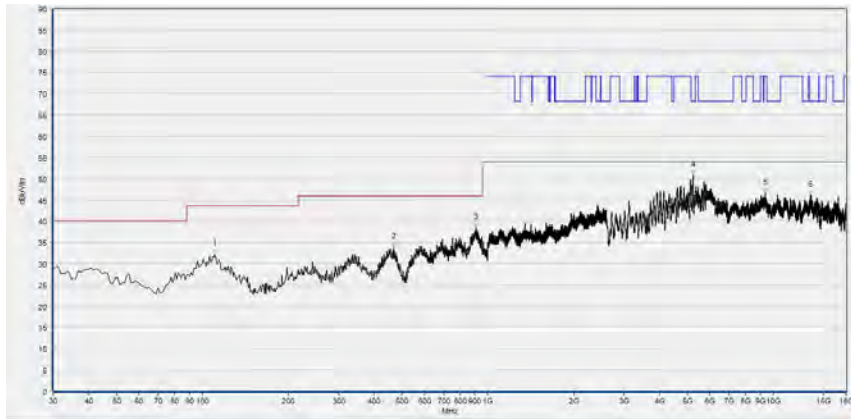
(Antenna Horizontal, 30MHz to 18GHz)



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	32.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.599	34.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	38.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5237.007	50.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10338.508	46.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13690.218	46.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

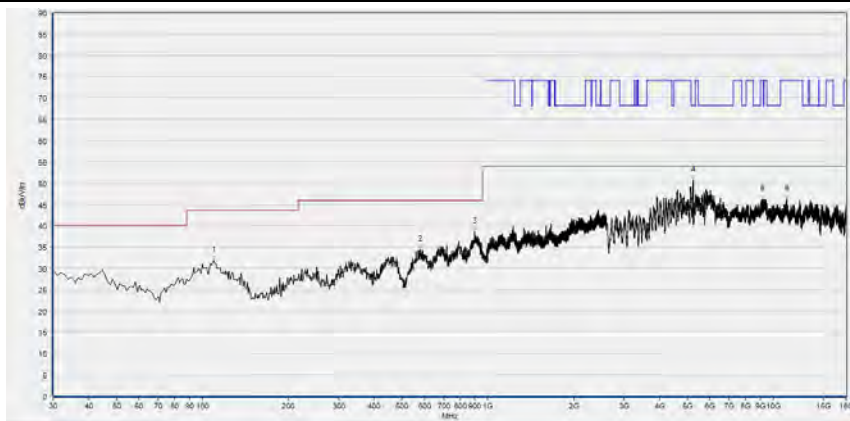
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	32.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
467.908	33.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
910.671	38.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5237.007	50.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9392.759	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13496.139	46.06	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

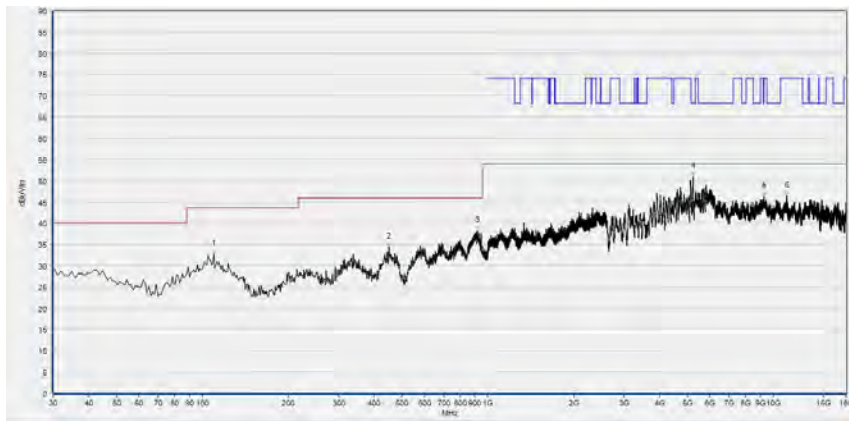
(Antenna Horizontal, 30MHz to 18GHz)



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	31.82	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.512	34.31	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.990	38.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5237.007	50.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9170.954	46.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11182.597	46.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

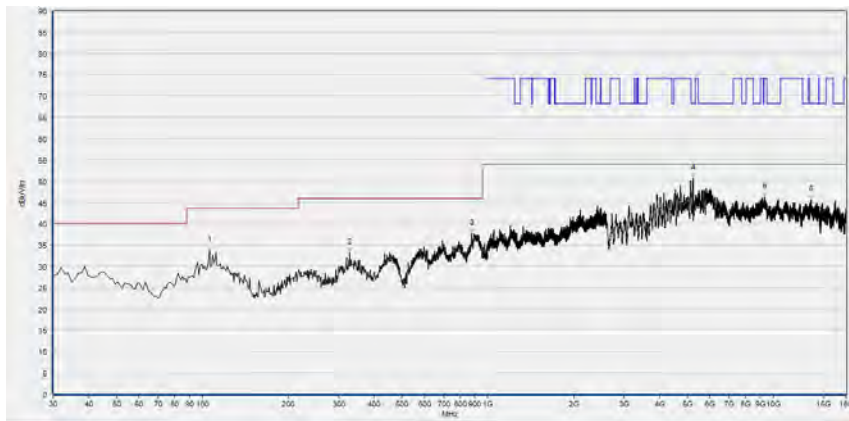
(Antenna Vertical, 30MHz to 18GHz)

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	32.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
451.401	34.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
918.438	38.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5233.927	50.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9291.098	46.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11164.113	46.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

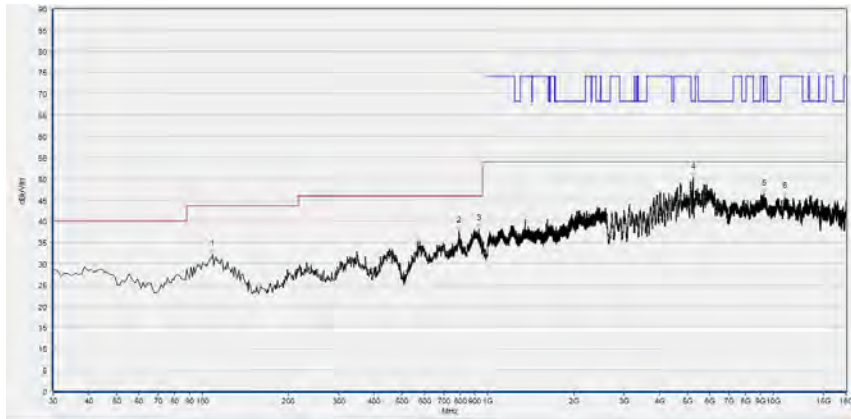
(Antenna Horizontal, 30MHz to 18GHz)



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
105.736	33.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
328.088	33.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
876.687	37.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5237.007	50.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9352.711	46.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13542.348	45.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

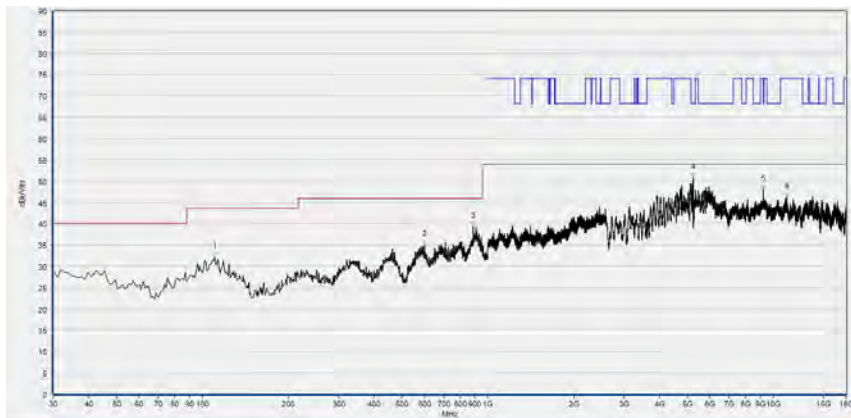
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	32.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
792.212	37.78	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
928.148	38.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5240.088	50.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9300.340	46.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10994.679	45.70	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



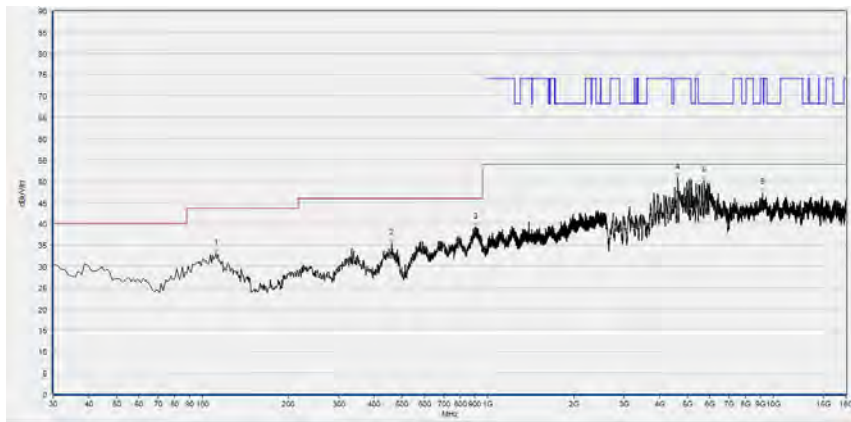
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	32.21	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
600.931	34.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.280	39.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5237.007	50.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9241.808	48.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11173.355	46.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



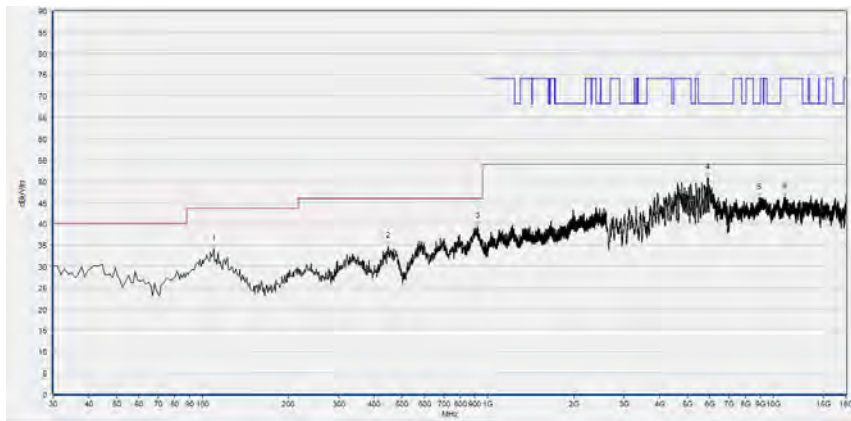
802.11n (HT40) mode

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
111.562	32.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
460.140	35.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	39.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4627.045	50.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5729.906	50.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9167.874	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

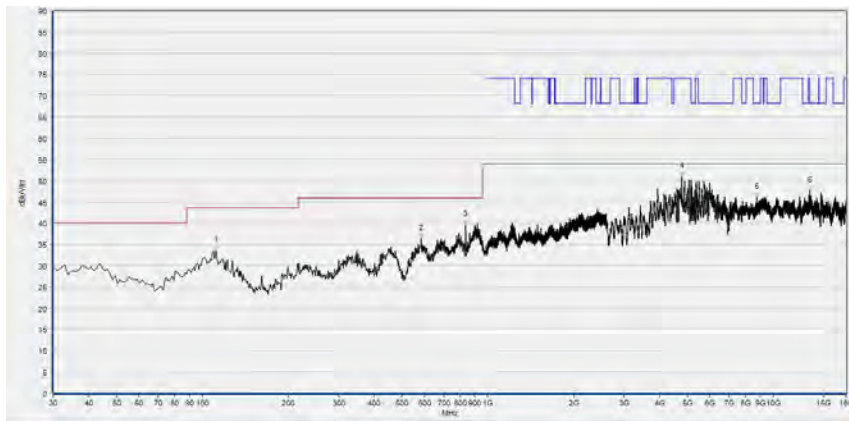
(Antenna Horizontal, 30MHz to 18GHz)



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
109.620	34.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
448.488	34.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
917.467	39.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5893.179	50.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8924.505	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10951.550	46.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

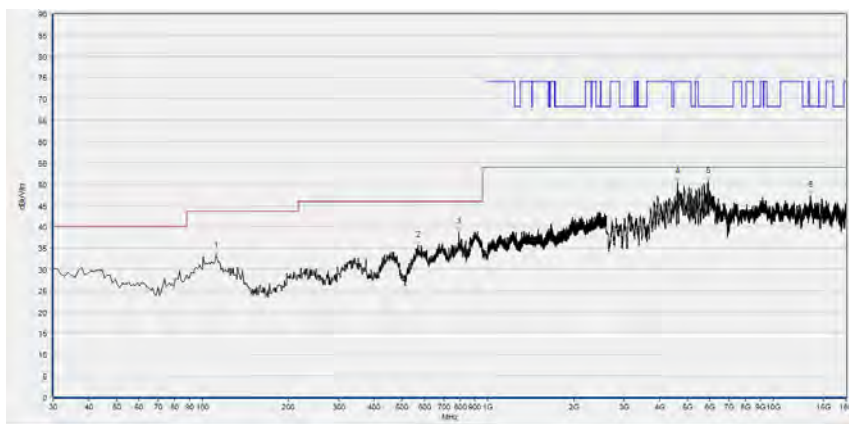
(Antenna Vertical, 30MHz to 18GHz)

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
111.562	33.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
584.424	36.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.906	39.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4784.157	51.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8733.507	46.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13431.446	47.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

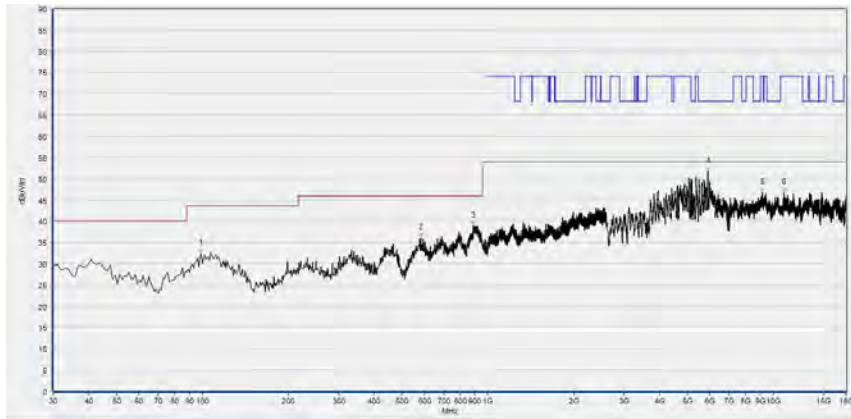
(Antenna Horizontal, 30MHz to 18GHz)



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
111.562	33.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
568.889	35.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
791.241	38.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4623.965	50.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5905.501	50.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13474.575	47.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

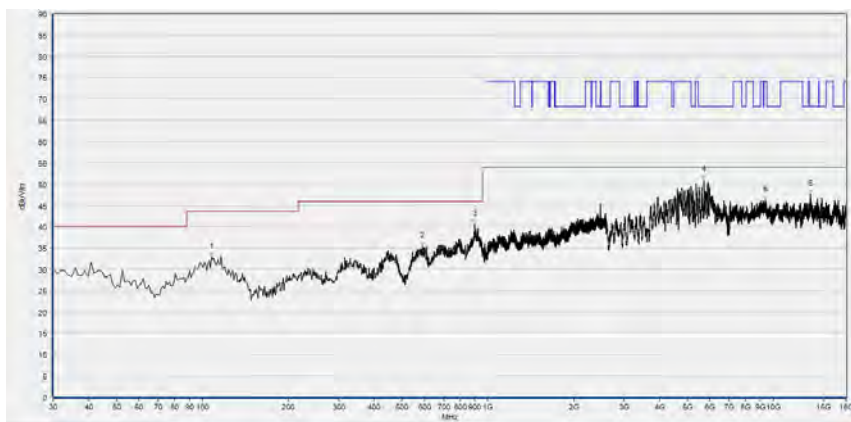
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	32.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.482	36.01	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
890.280	38.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5902.420	51.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9170.954	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10926.905	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

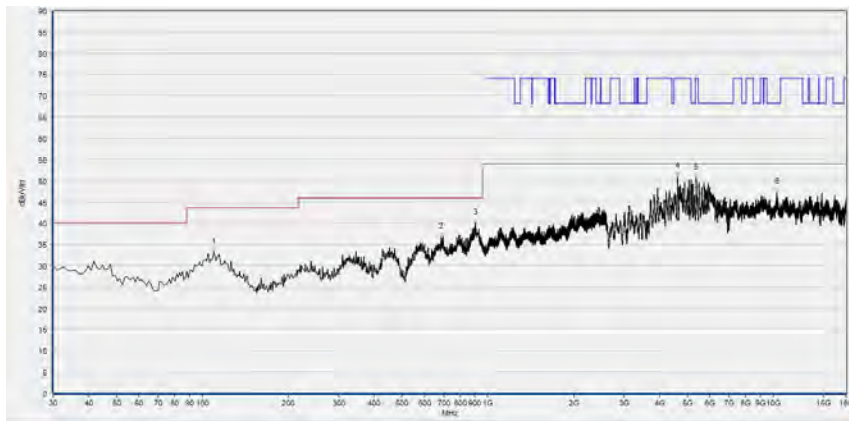
(Antenna Horizontal, 30MHz to 18GHz)



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
107.678	32.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
590.250	35.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.048	40.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5726.825	50.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9395.839	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13474.575	47.58	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

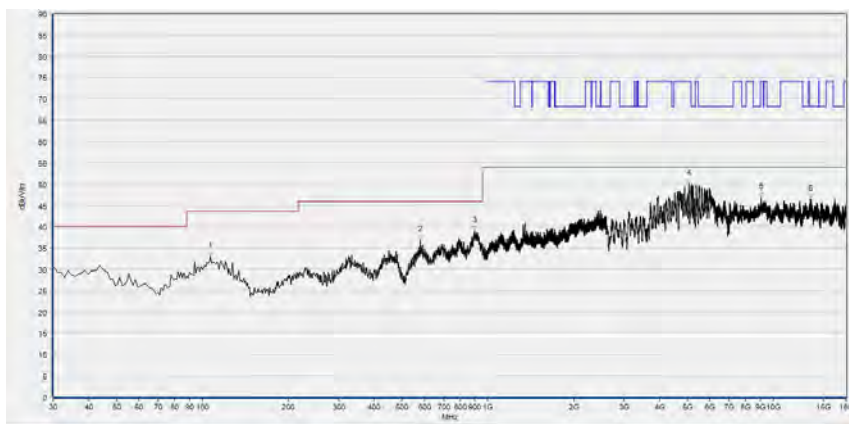
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	33.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
687.347	36.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	40.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4630.126	50.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5375.635	50.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10264.573	47.22	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

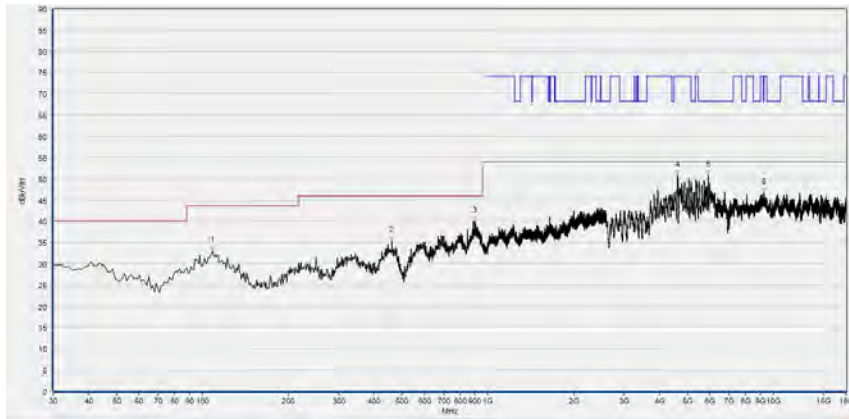
(Antenna Horizontal, 30MHz to 18GHz)



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	33.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.570	36.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	39.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5070.654	50.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9078.536	46.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13480.736	46.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

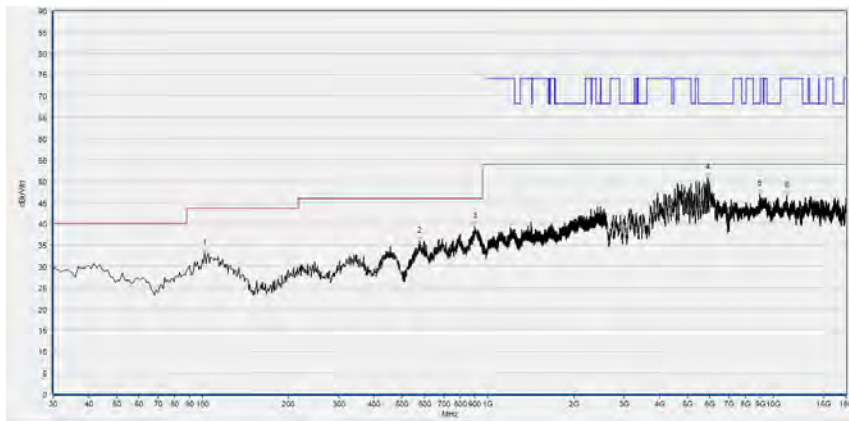
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	33.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
461.111	35.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.990	40.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4630.126	50.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5908.582	50.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9303.421	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

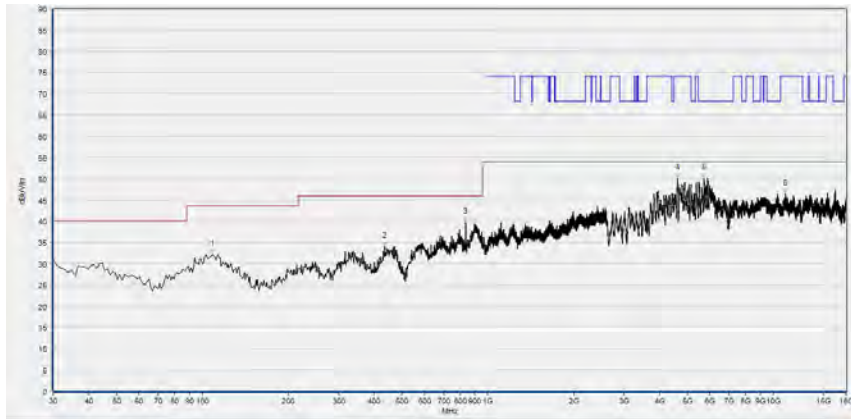
(Antenna Horizontal, 30MHz to 18GHz)



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
101.852	33.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	35.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.990	39.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5896.259	50.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8986.117	46.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11182.597	46.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

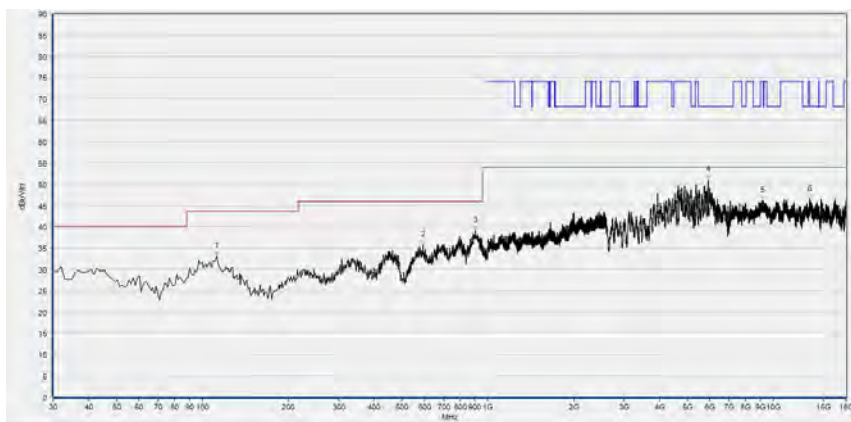
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	32.17	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
435.866	34.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
835.906	39.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4627.045	50.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5726.825	50.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11034.727	46.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

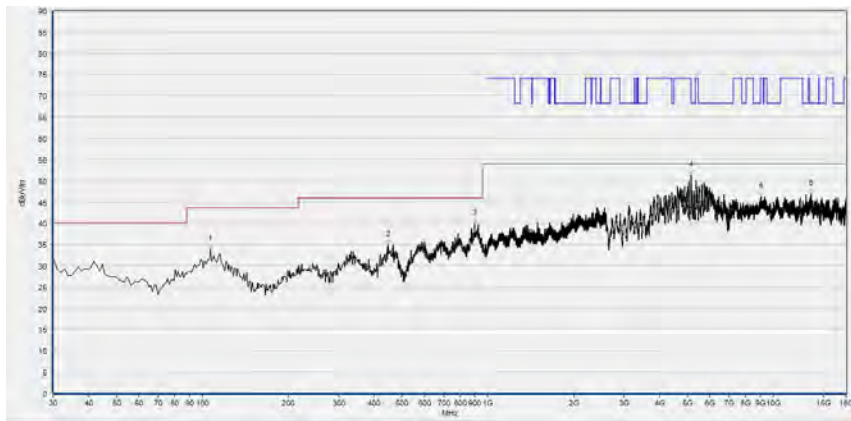
(Antenna Horizontal, 30MHz to 18GHz)



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
112.533	33.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
592.192	35.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	39.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5902.420	50.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9149.390	46.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13416.043	46.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

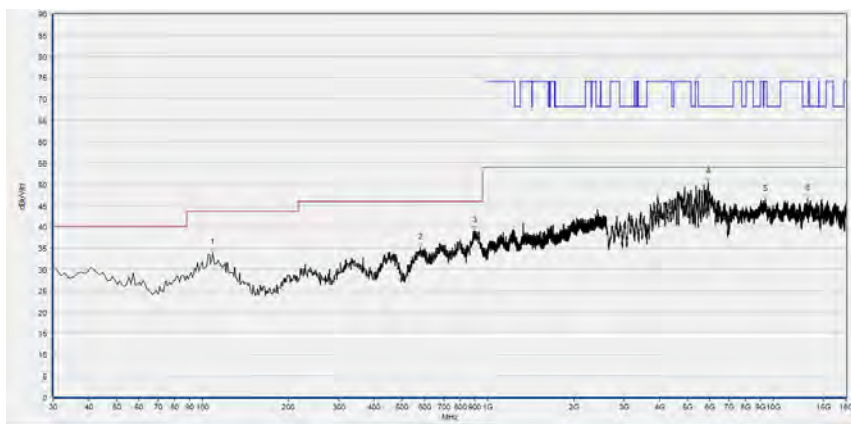
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



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	33.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
448.488	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.990	39.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5159.992	51.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9081.616	46.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13576.235	46.85	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

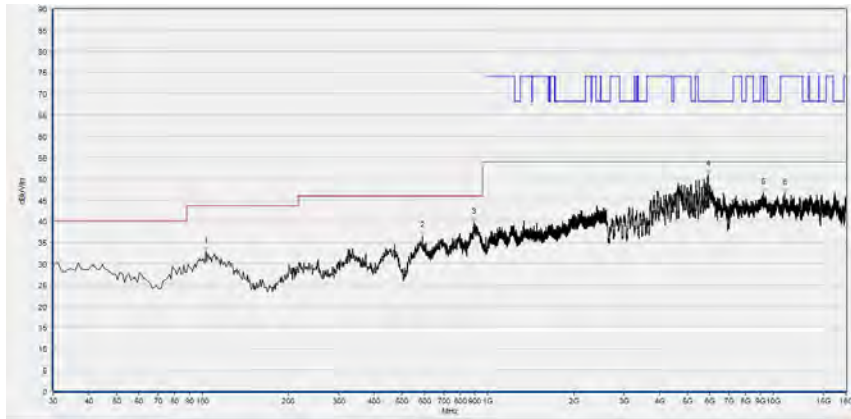
(Antenna Horizontal, 30MHz to 18GHz)



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
108.649	33.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
580.541	34.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	39.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5905.501	50.42	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9411.242	46.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13221.964	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

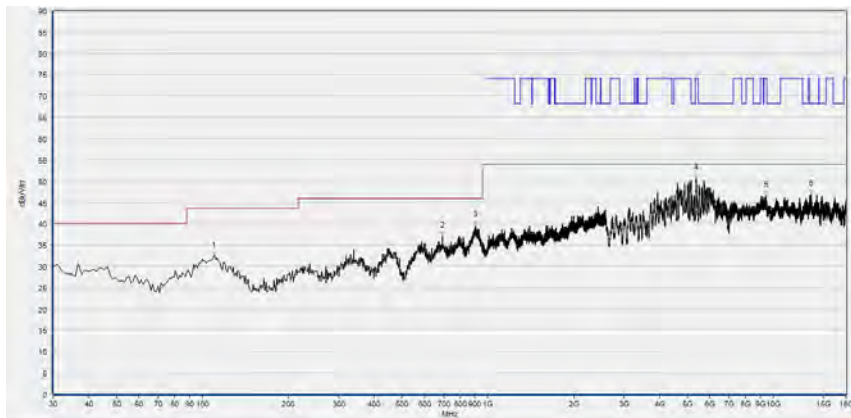
(Antenna Vertical, 30MHz to 18GHz)

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
102.823	32.85	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
590.250	36.54	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
894.164	39.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5902.420	50.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9235.647	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10939.228	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

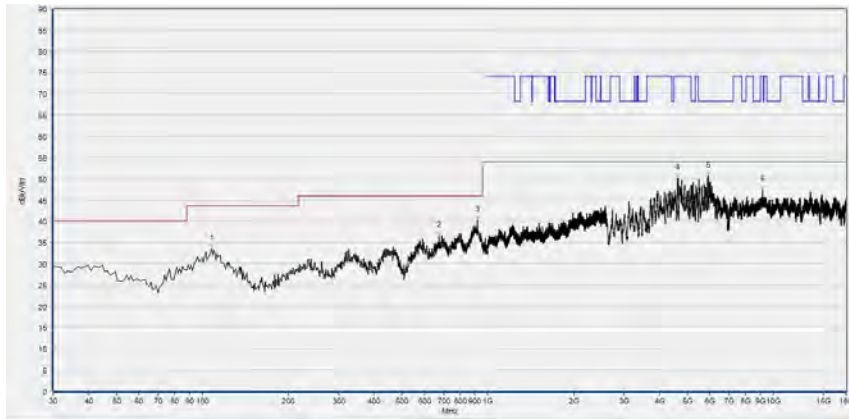
(Antenna Horizontal, 30MHz to 18GHz)



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
109.620	32.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
693.173	37.00	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
906.787	39.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5381.796	50.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9438.968	46.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13582.396	46.93	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

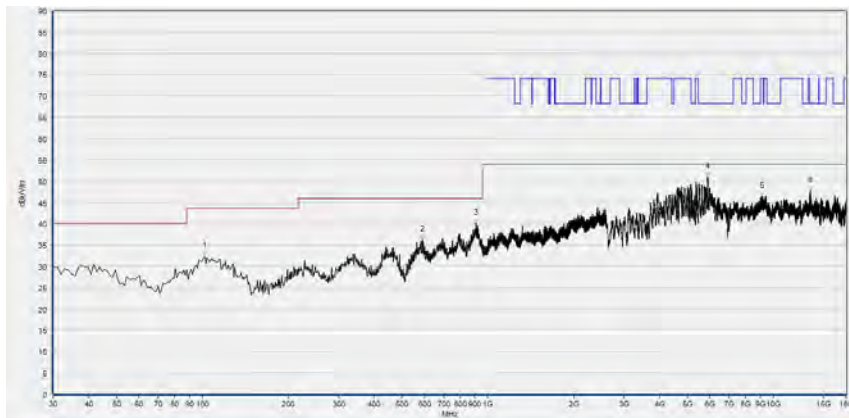
(Antenna Vertical, 30MHz to 18GHz)

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
107.678	33.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
675.696	36.51	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
917.467	40.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4627.045	50.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5908.582	50.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9170.954	47.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



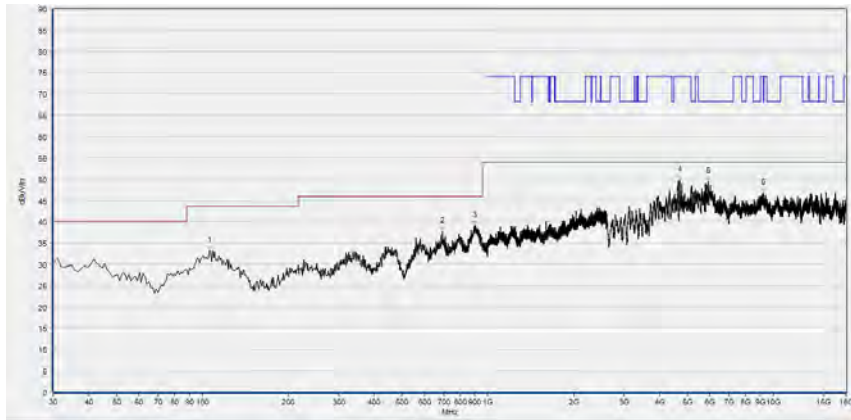
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
589.279	36.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.729	40.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5899.340	50.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9093.939	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13508.462	47.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



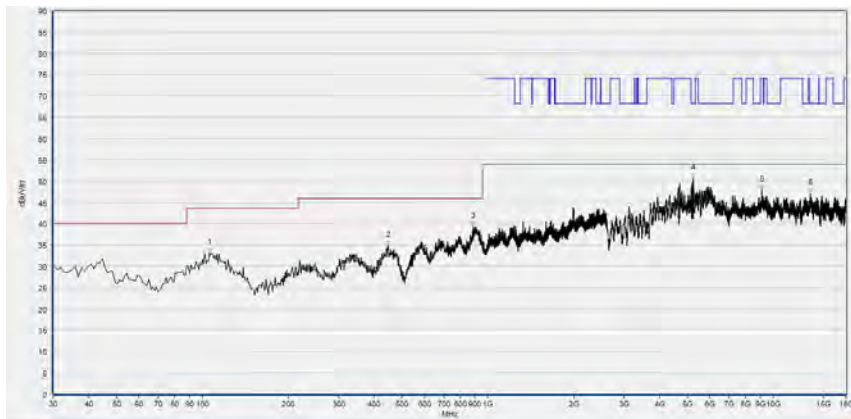
802.11ac (VHT80) Mode

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
105.736	33.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
693.173	37.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.019	39.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4704.061	49.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5911.662	49.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9229.486	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

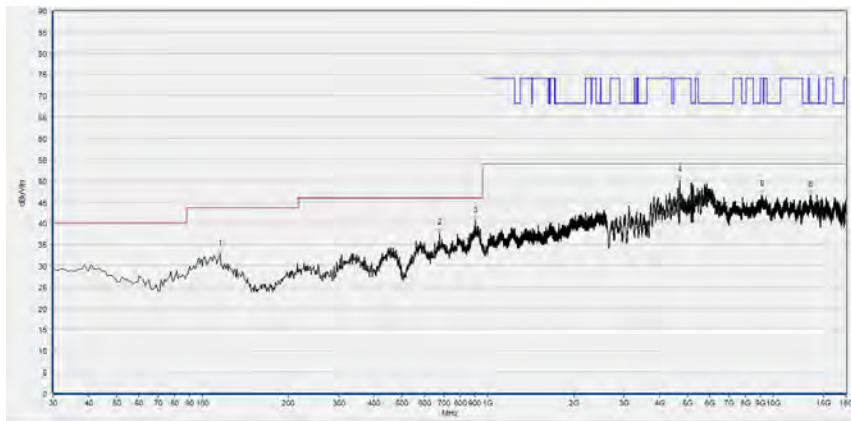
(Antenna Horizontal, 30MHz to 18GHz)



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
105.736	33.26	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
447.518	34.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
891.251	39.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5243.169	50.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9118.584	47.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13493.059	47.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

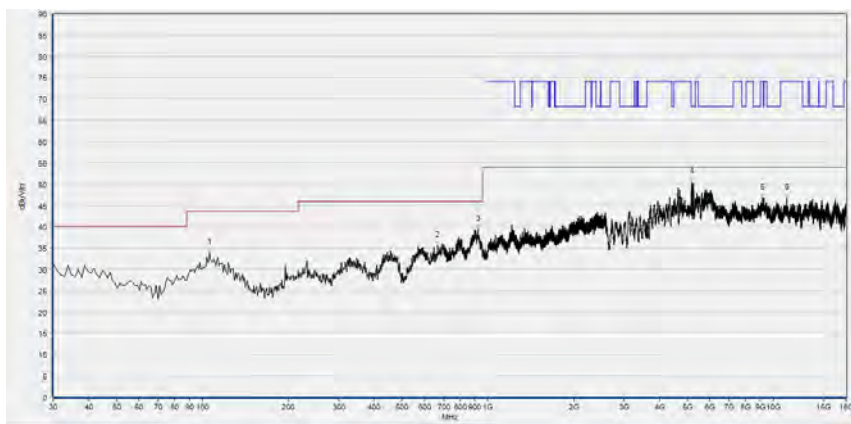
(Antenna Vertical, 30MHz to 18GHz)

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
115.445	32.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
677.638	37.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	40.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4697.900	50.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9106.261	46.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13496.139	46.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

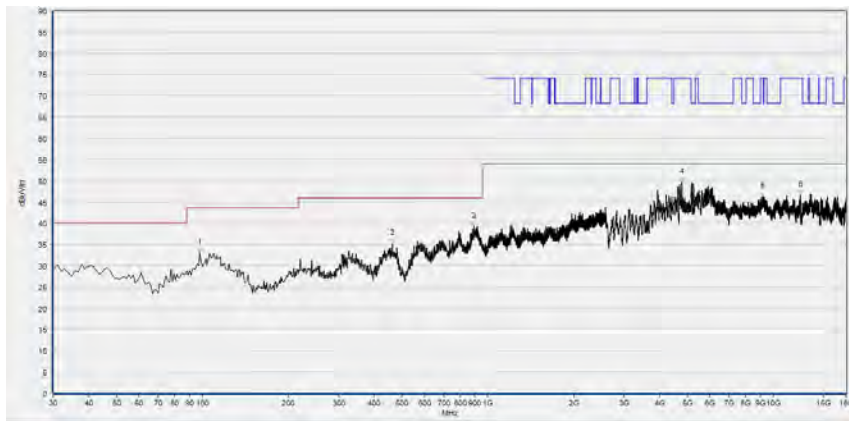
(Antenna Horizontal, 30MHz to 18GHz)



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
105.736	33.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
667.928	35.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
923.293	39.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5172.314	50.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9189.438	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11161.032	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

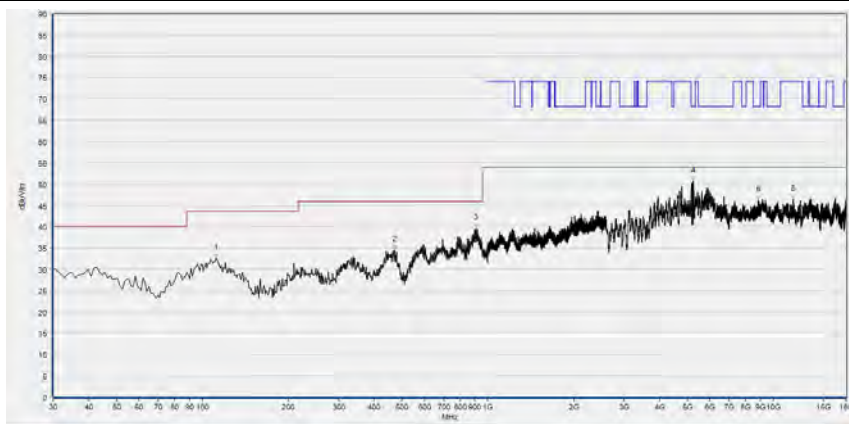
(Antenna Vertical, 30MHz to 18GHz)

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
97.968	32.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
462.082	35.11	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
894.164	39.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4777.996	49.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9174.035	46.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12427.165	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

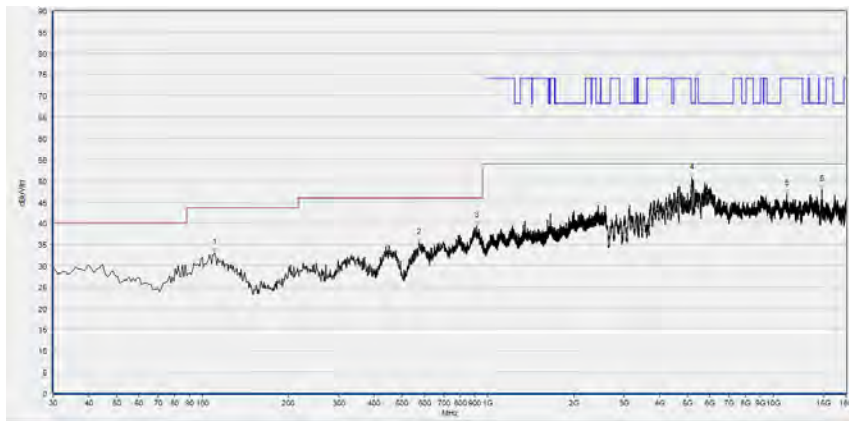
(Antenna Horizontal, 30MHz to 18GHz)



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
111.562	32.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
471.792	34.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
908.729	39.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5246.249	50.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8859.812	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11764.833	46.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

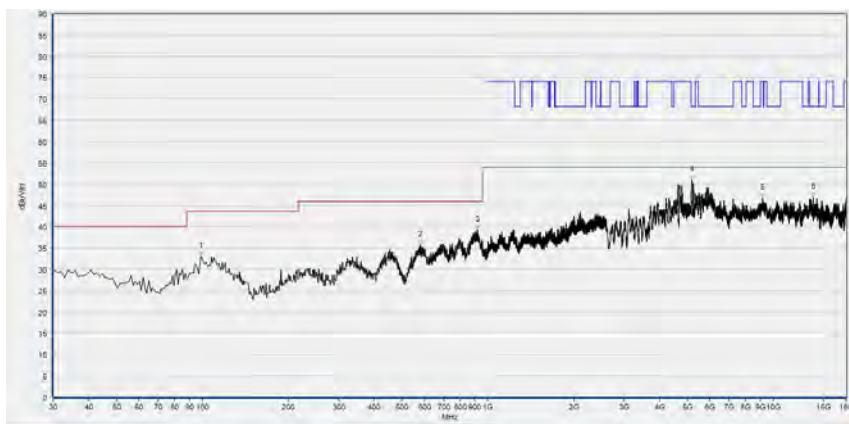
(Antenna Vertical, 30MHz to 18GHz)

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	33.02	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.744	35.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	39.35	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5172.314	50.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11173.355	46.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14780.756	47.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

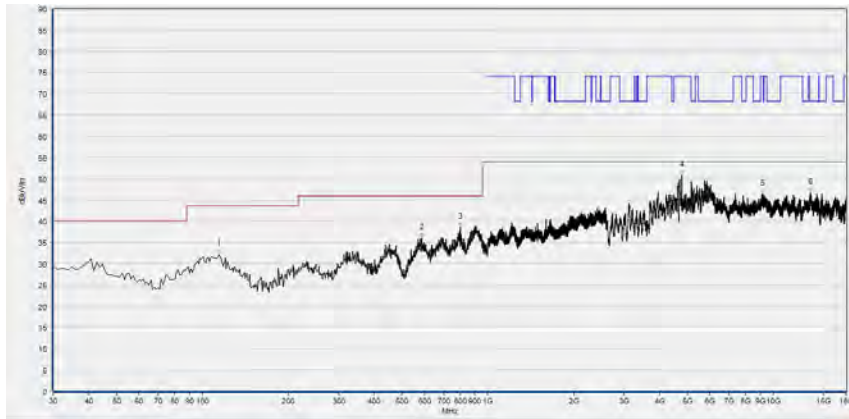
(Antenna Horizontal, 30MHz to 18GHz)



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
98.939	33.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.570	35.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
919.409	39.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5172.314	50.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9177.115	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13828.846	47.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

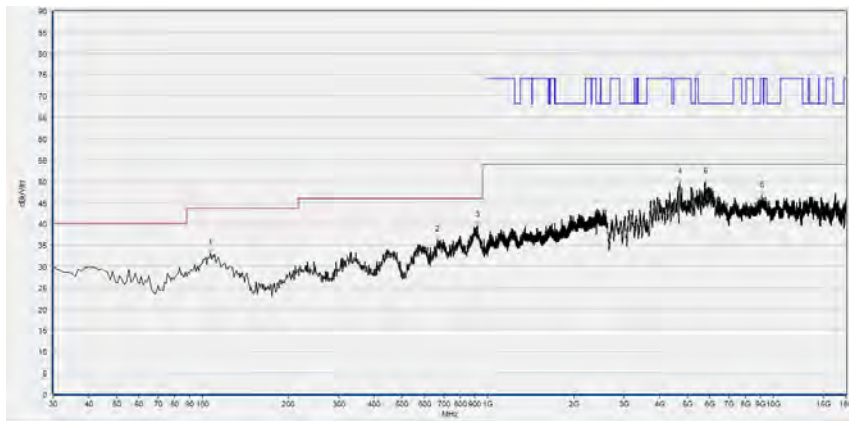
(Antenna Vertical, 30MHz to 18GHz)

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
114.474	32.23	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
585.395	35.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
801.922	38.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4781.076	50.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9149.390	46.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13505.381	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

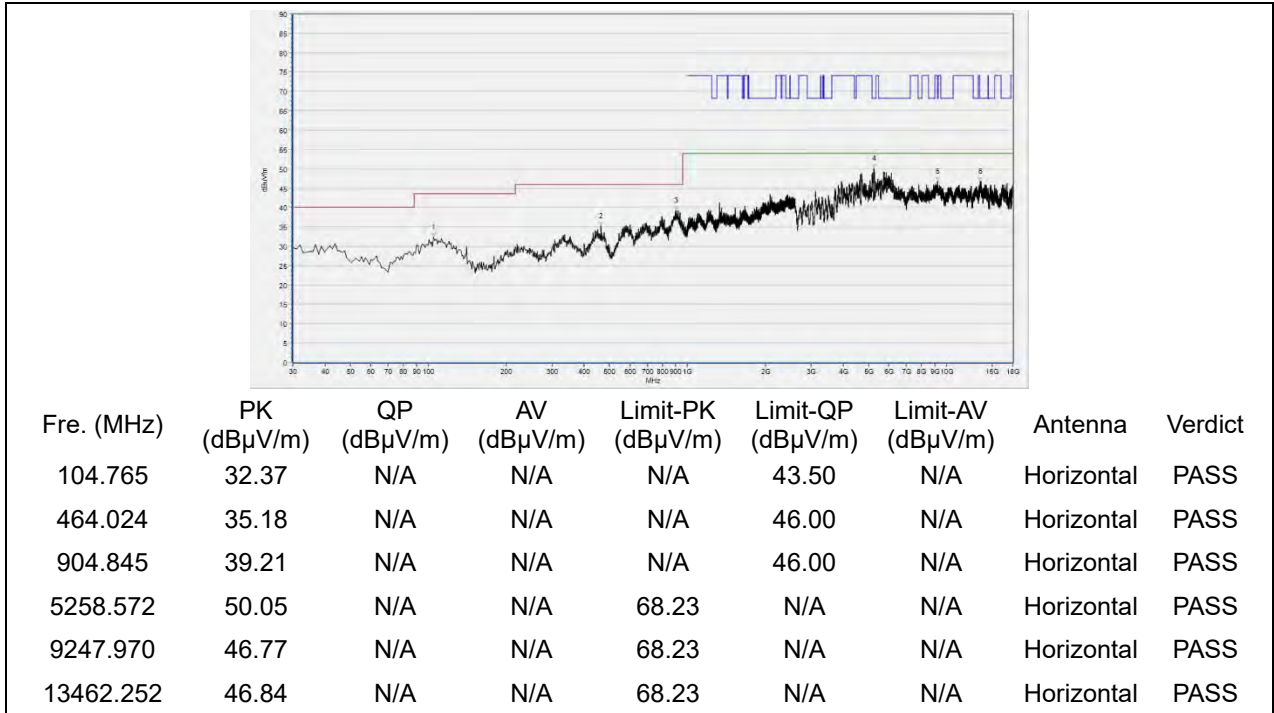
(Antenna Horizontal, 30MHz to 18GHz)



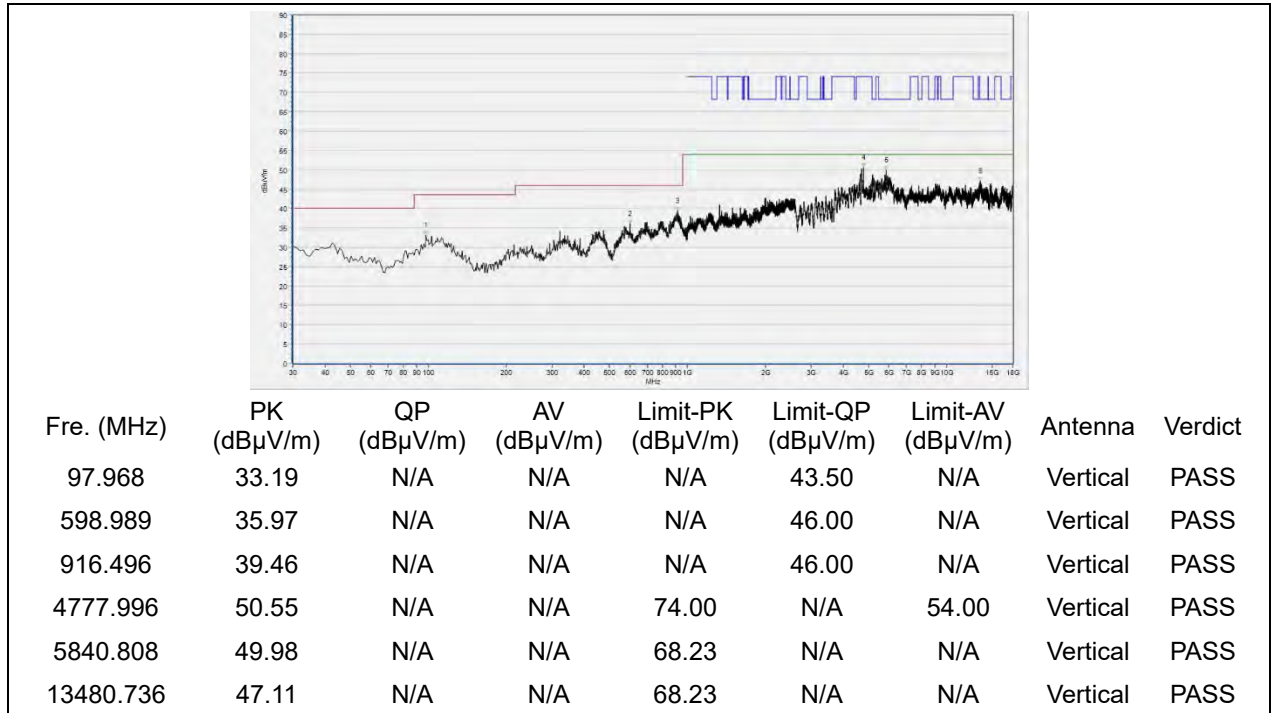
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
106.707	32.96	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
667.928	36.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
922.322	39.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4700.980	49.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.954	49.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9093.939	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————