



PSD NVNT ac20 5180MHz Ant1 MIMO

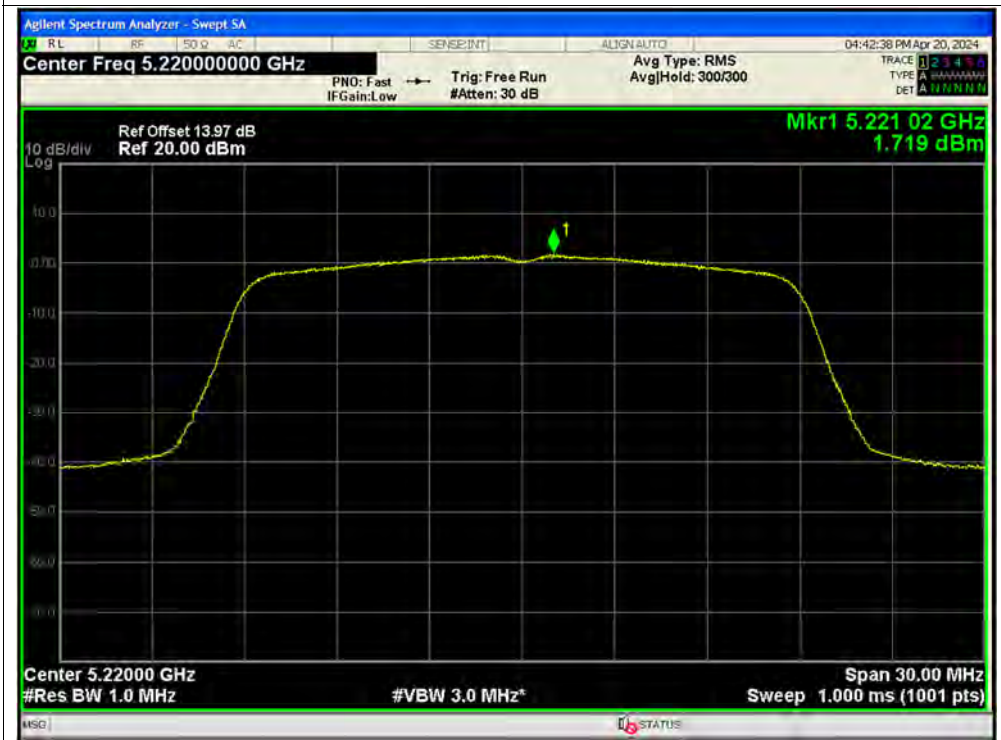


PSD NVNT ac20 5180MHz Ant2 MIMO





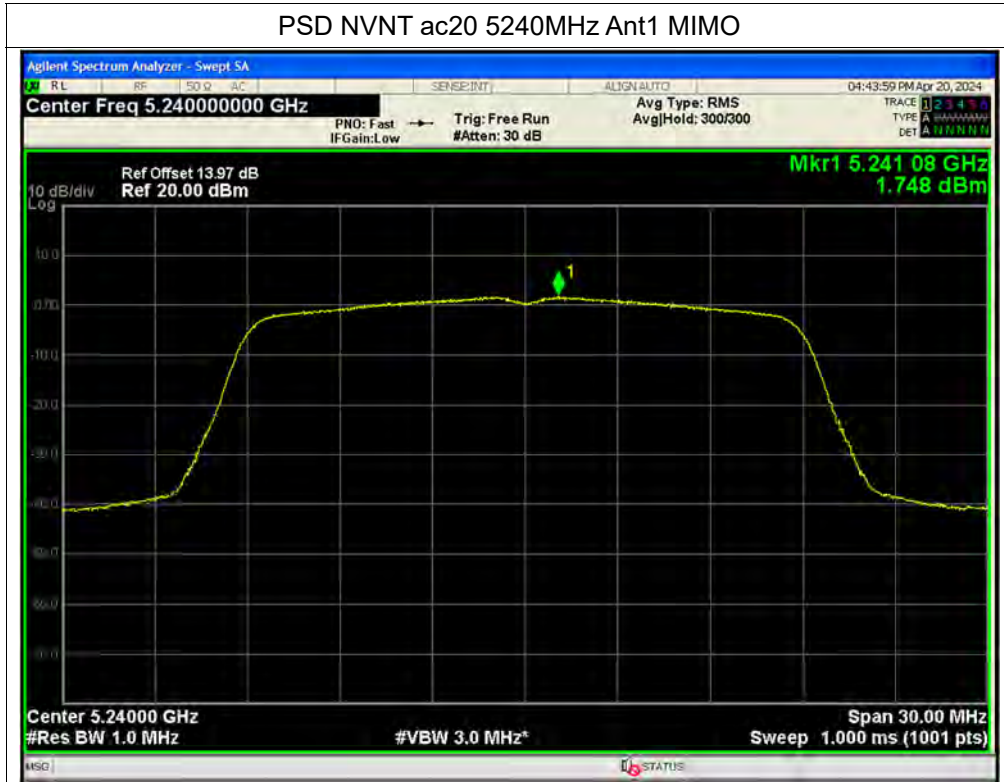
PSD NVNT ac20 5220MHz Ant1 MIMO



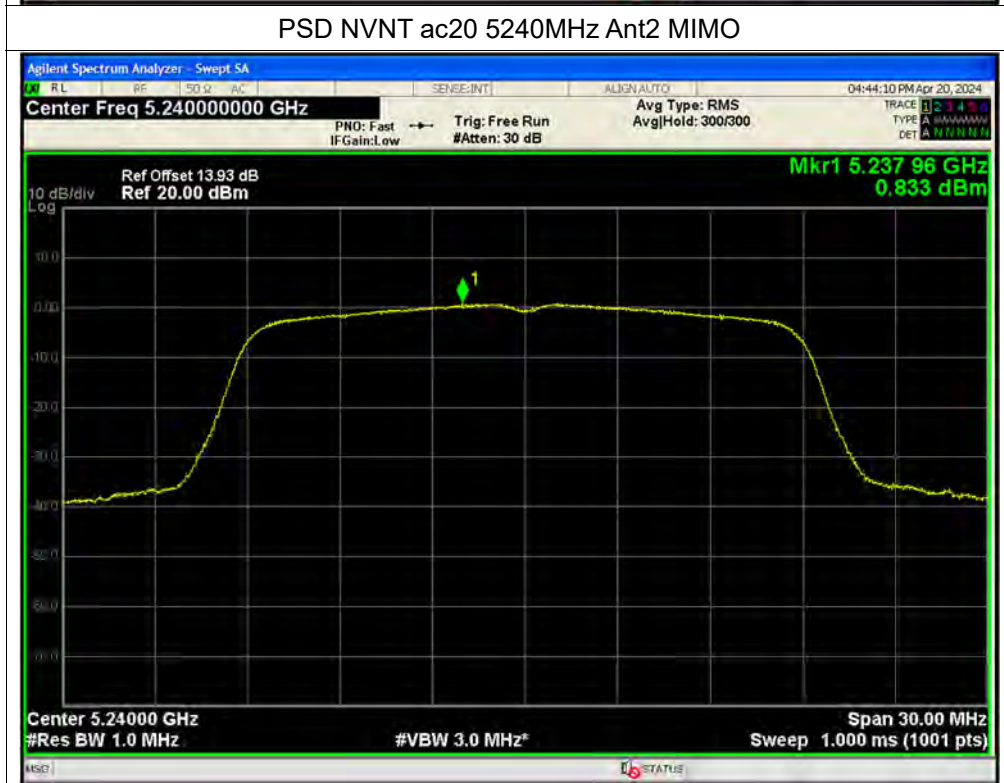
PSD NVNT ac20 5220MHz Ant2 MIMO



PSD NVNT ac20 5240MHz Ant1 MIMO



PSD NVNT ac20 5240MHz Ant2 MIMO





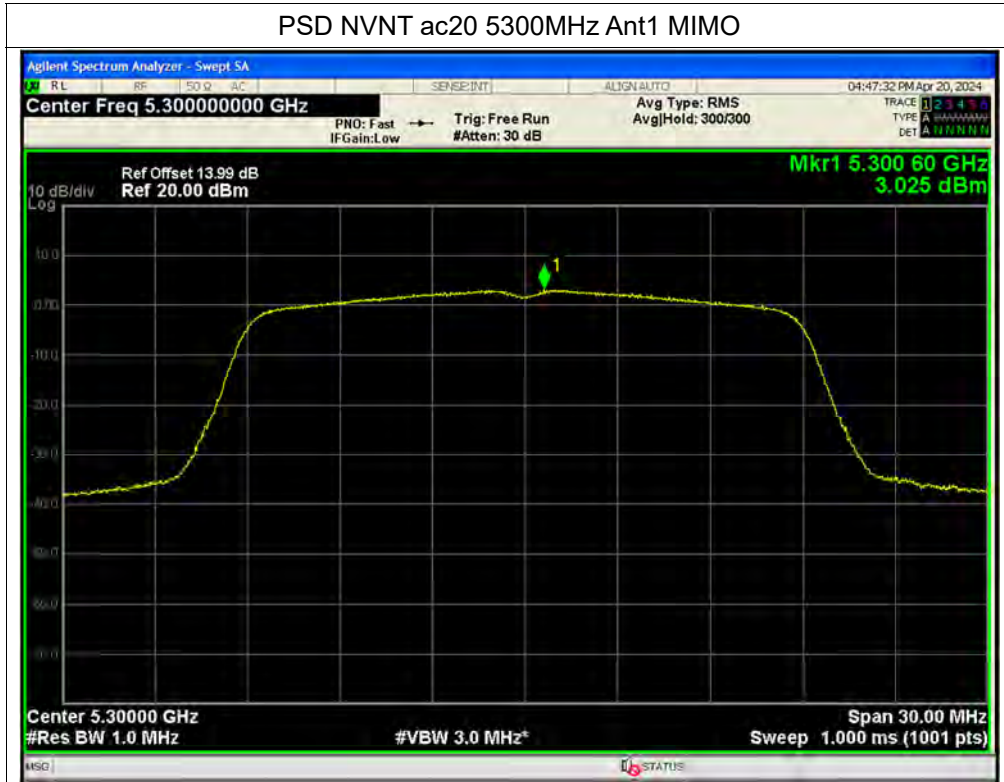
PSD NVNT ac20 5260MHz Ant1 MIMO



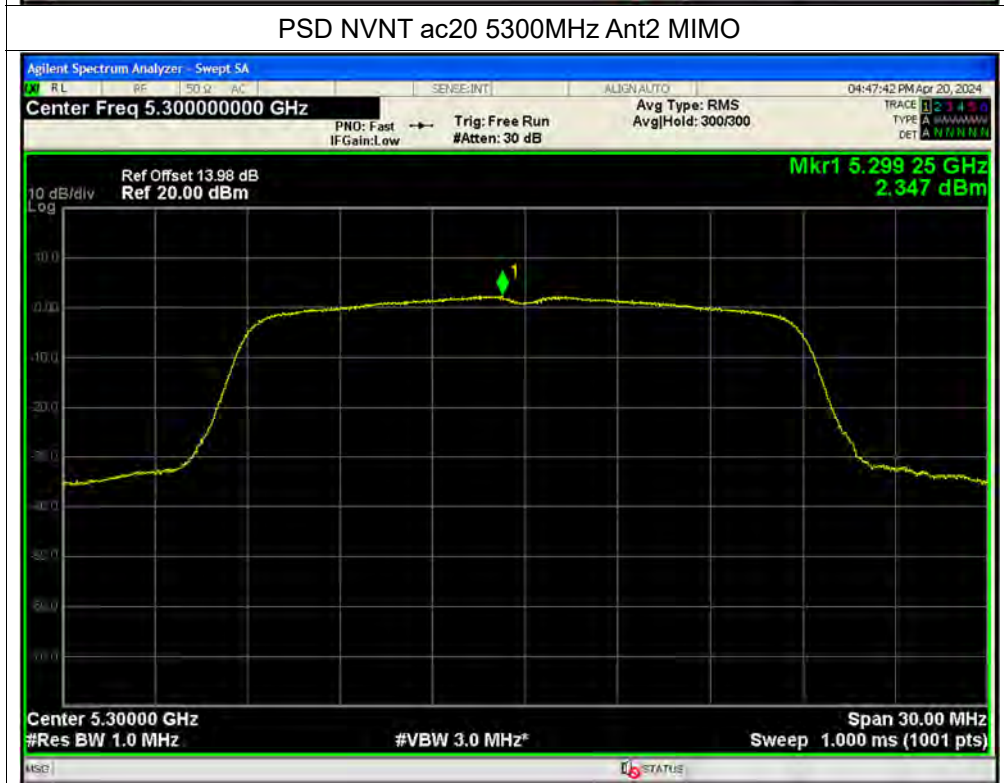
PSD NVNT ac20 5260MHz Ant2 MIMO



PSD NVNT ac20 5300MHz Ant1 MIMO



PSD NVNT ac20 5300MHz Ant2 MIMO





PSD NVNT ac20 5320MHz Ant1 MIMO



PSD NVNT ac20 5320MHz Ant2 MIMO





PSD NVNT ac20 5500MHz Ant1 MIMO



PSD NVNT ac20 5500MHz Ant2 MIMO





PSD NVNT ac20 5580MHz Ant1 MIMO



PSD NVNT ac20 5580MHz Ant2 MIMO





PSD NVNT ac20 5600MHz Ant1 MIMO

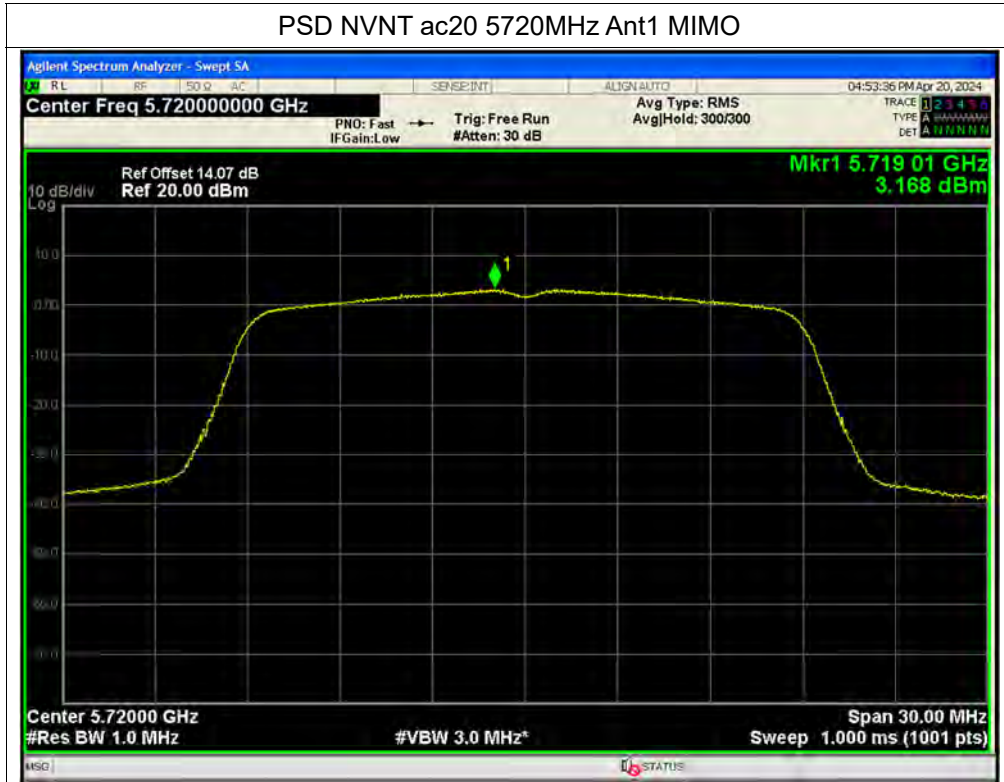


PSD NVNT ac20 5600MHz Ant2 MIMO

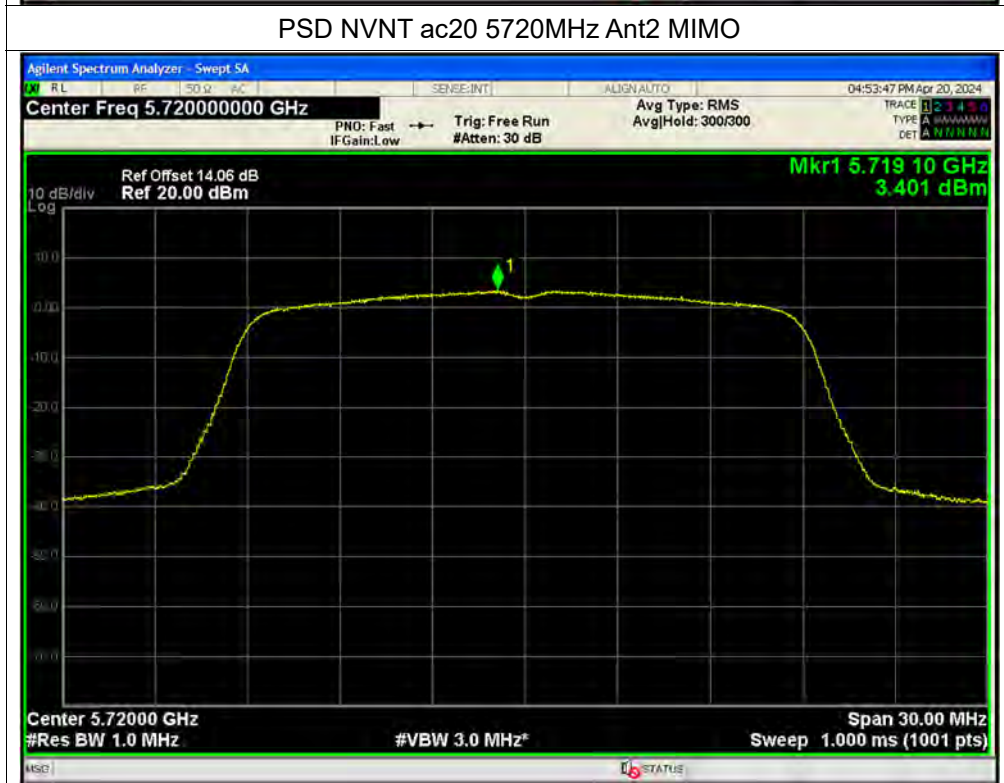




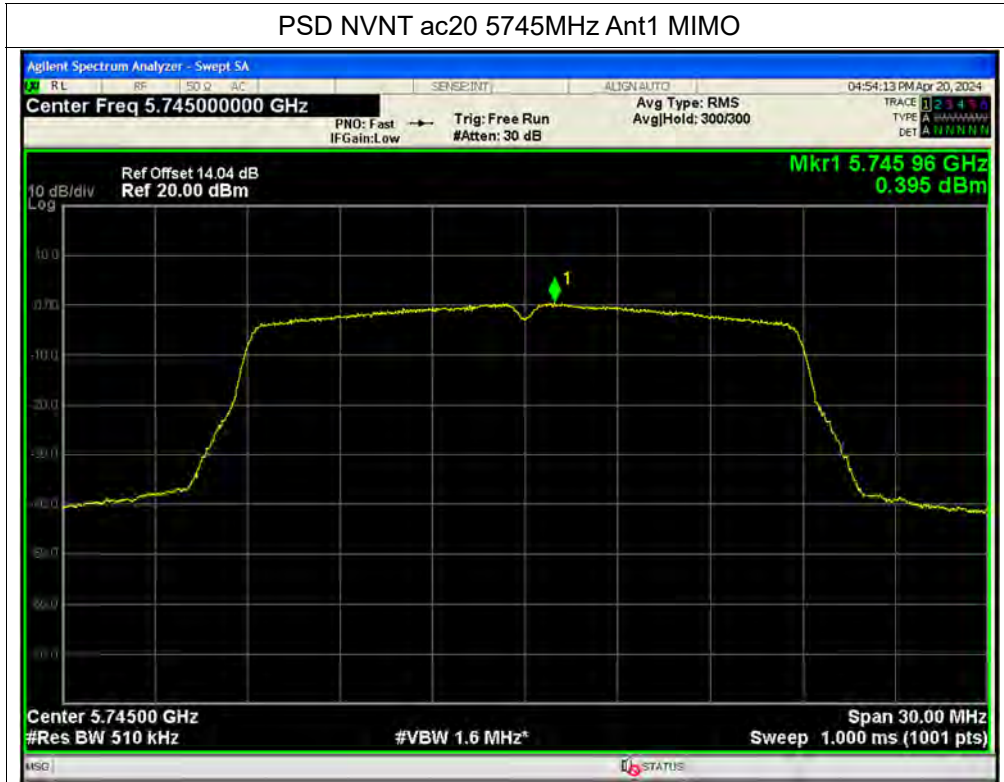
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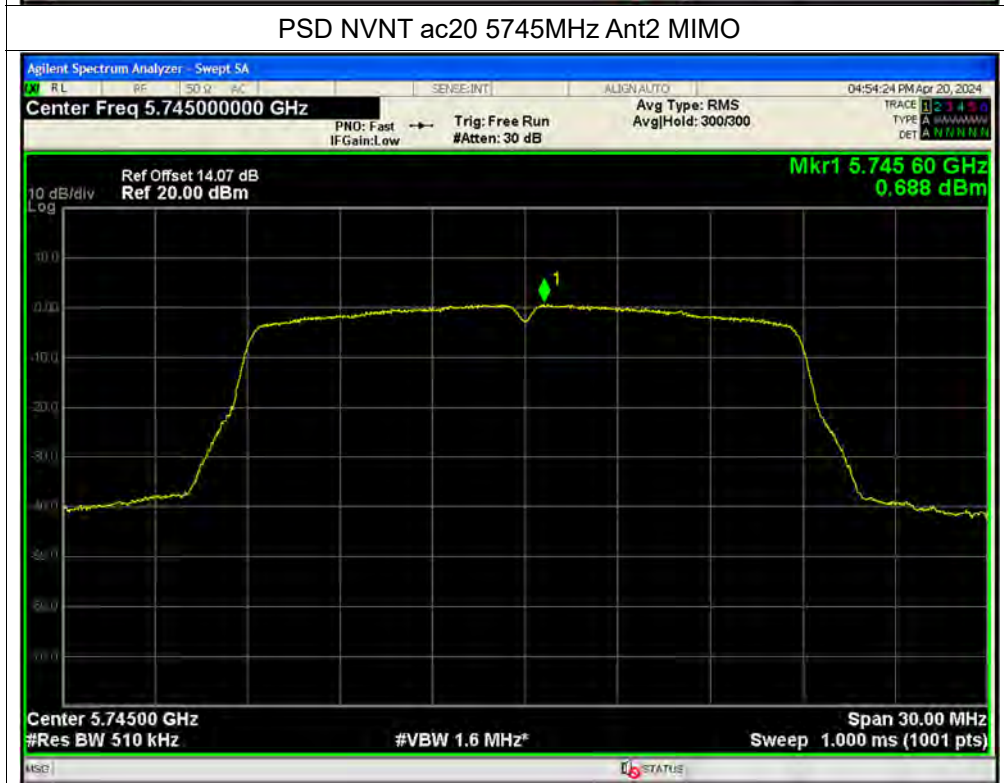
PSD NVNT ac20 5720MHz Ant2 MIMO



PSD NVNT ac20 5745MHz Ant1 MIMO



PSD NVNT ac20 5745MHz Ant2 MIMO





PSD NVNT ac20 5785MHz Ant1 MIMO



PSD NVNT ac20 5785MHz Ant2 MIMO





PSD NVNT ac20 5825MHz Ant1 MIMO



PSD NVNT ac20 5825MHz Ant2 MIMO





PSD NVNT ac40 5190MHz Ant1 SISO

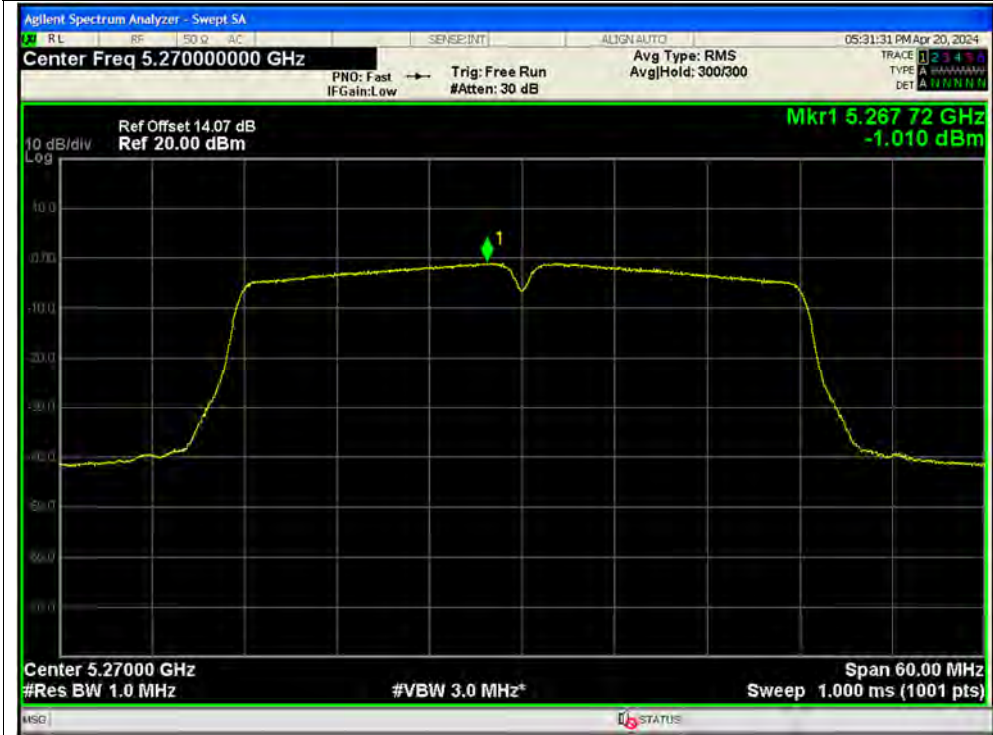


PSD NVNT ac40 5230MHz Ant1 SISO





PSD NVNT ac40 5270MHz Ant1 SISO



PSD NVNT ac40 5310MHz Ant1 SISO





PSD NVNT ac40 5510MHz Ant1 SISO



PSD NVNT ac40 5550MHz Ant1 SISO

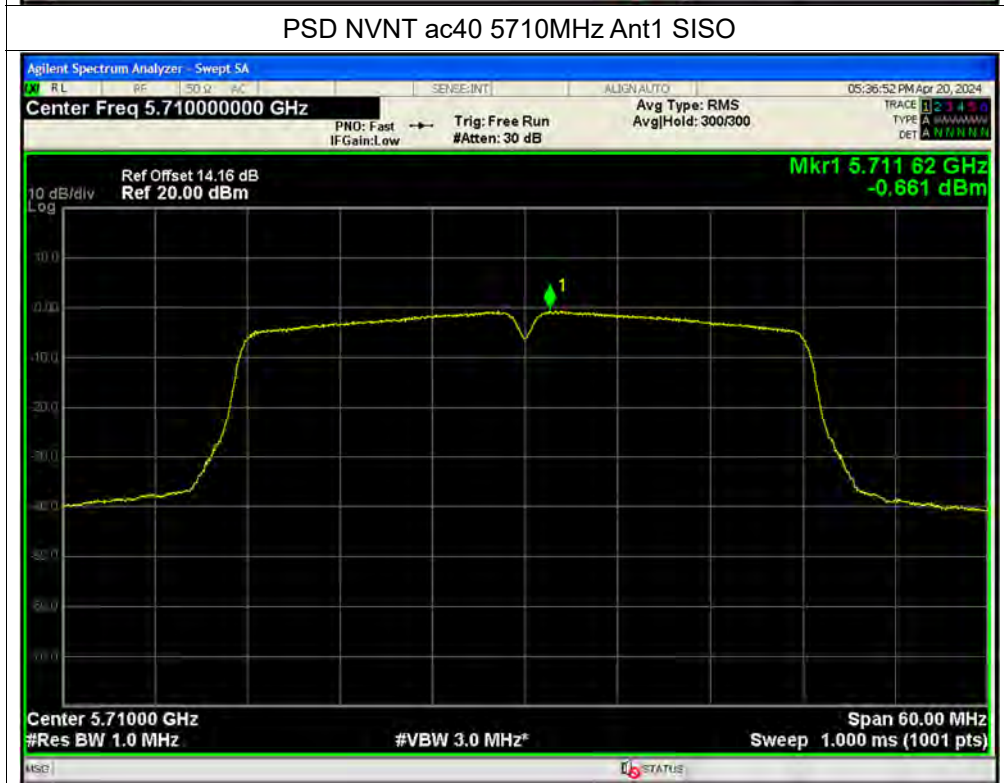




PSD NVNT ac40 5630MHz Ant1 SISO



PSD NVNT ac40 5710MHz Ant1 SISO





PSD NVNT ac40 5755MHz Ant1 SISO



PSD NVNT ac40 5795MHz Ant1 SISO

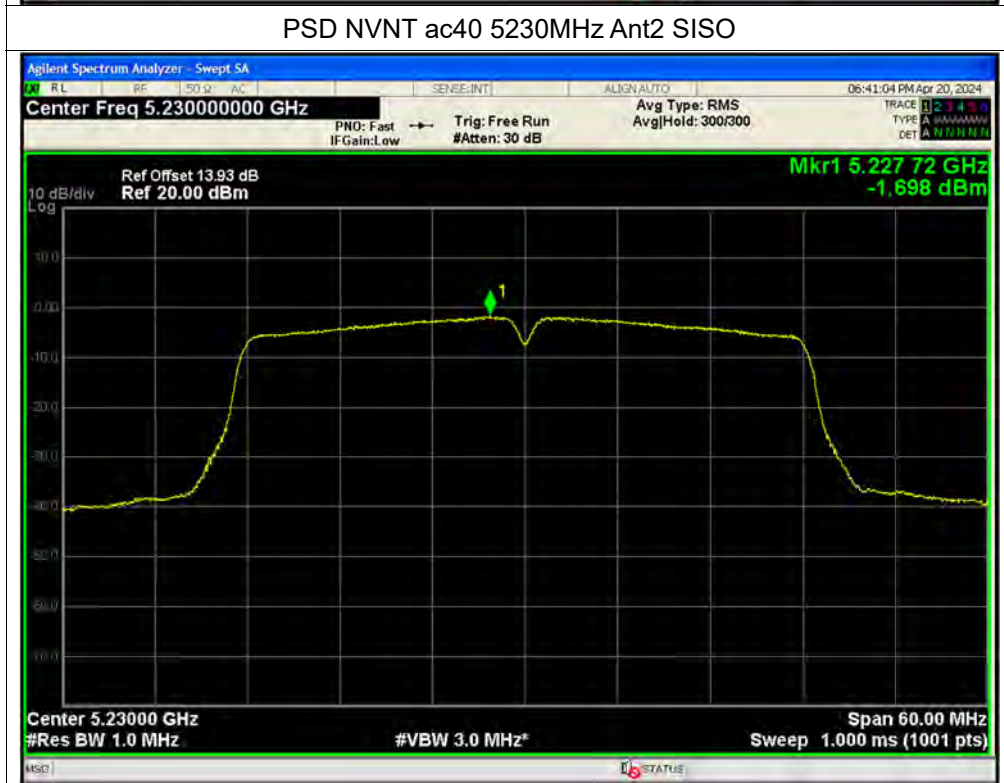




PSD NVNT ac40 5190MHz Ant2 SISO



PSD NVNT ac40 5230MHz Ant2 SISO





PSD NVNT ac40 5270MHz Ant2 SISO



PSD NVNT ac40 5310MHz Ant2 SISO





PSD NVNT ac40 5510MHz Ant2 SISO



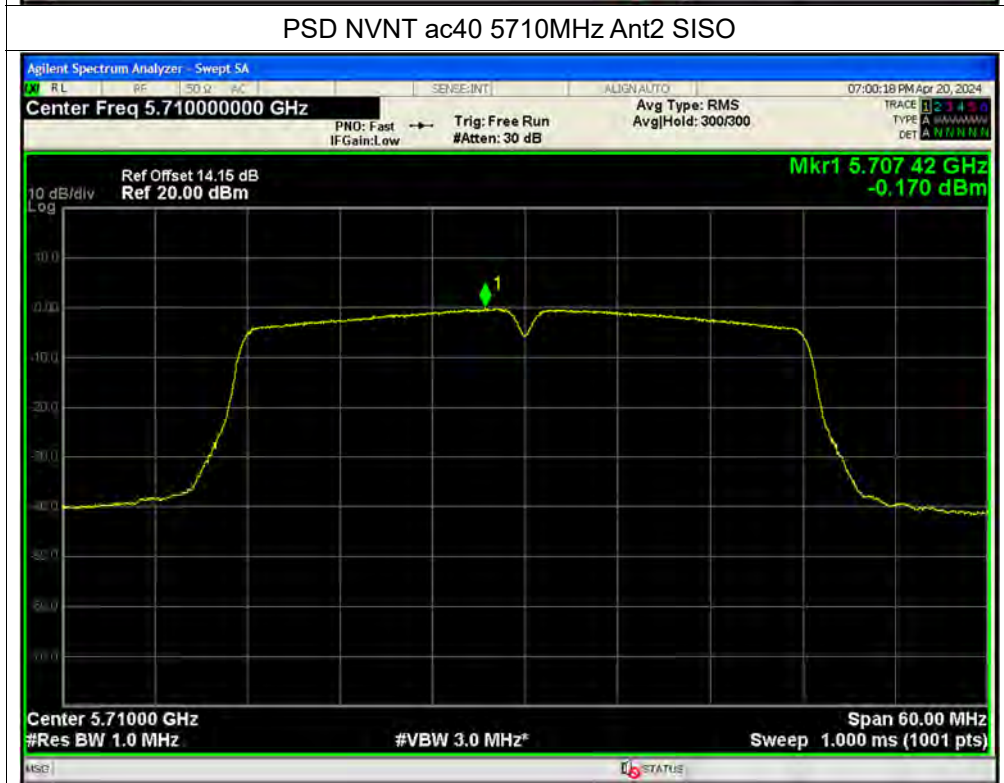
PSD NVNT ac40 5550MHz Ant2 SISO



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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



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PSD NVNT ac40 5550MHz Ant1 MIMO



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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

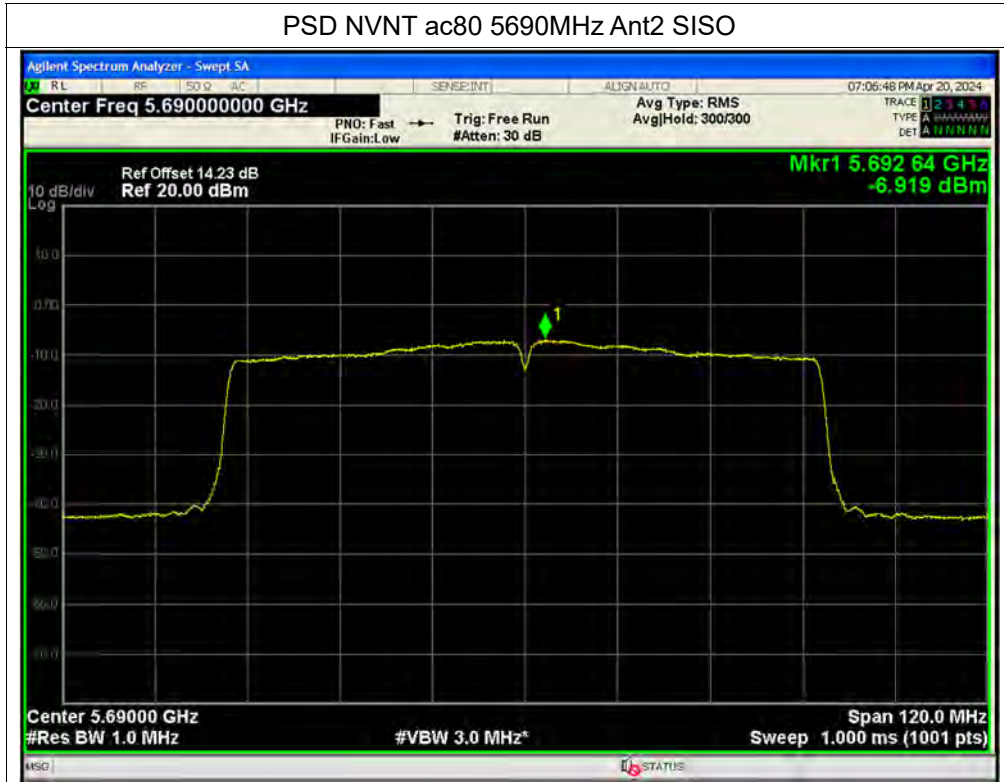


PSD NVNT ac80 5610MHz Ant2 SISO

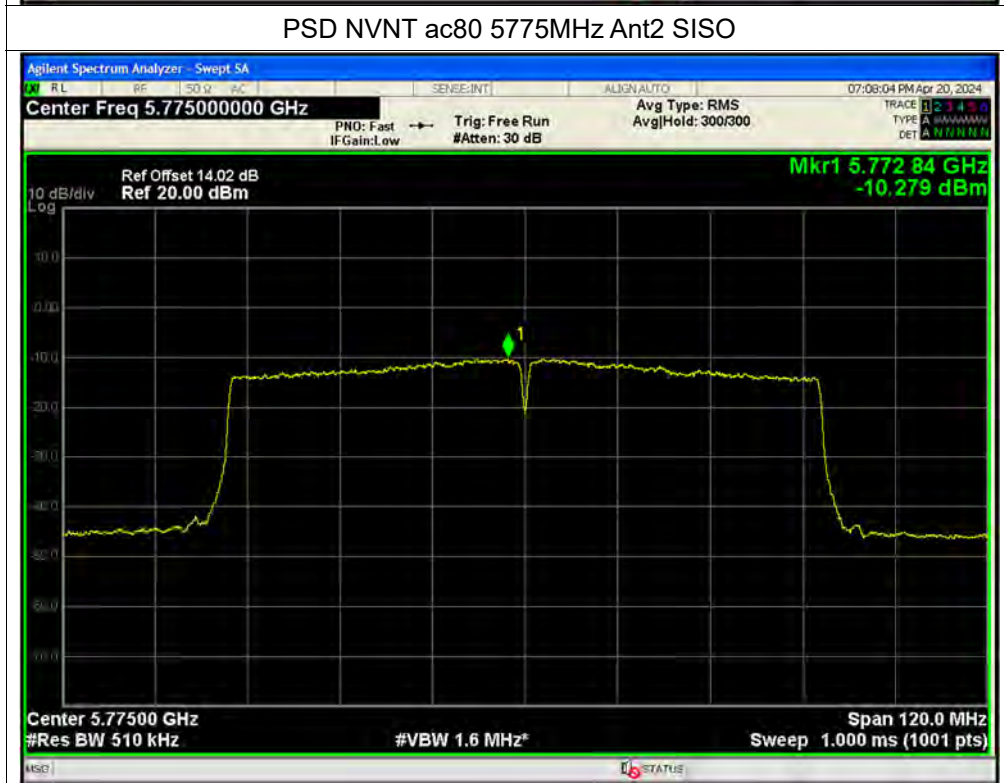




PSD NVNT ac80 5690MHz Ant2 SISO

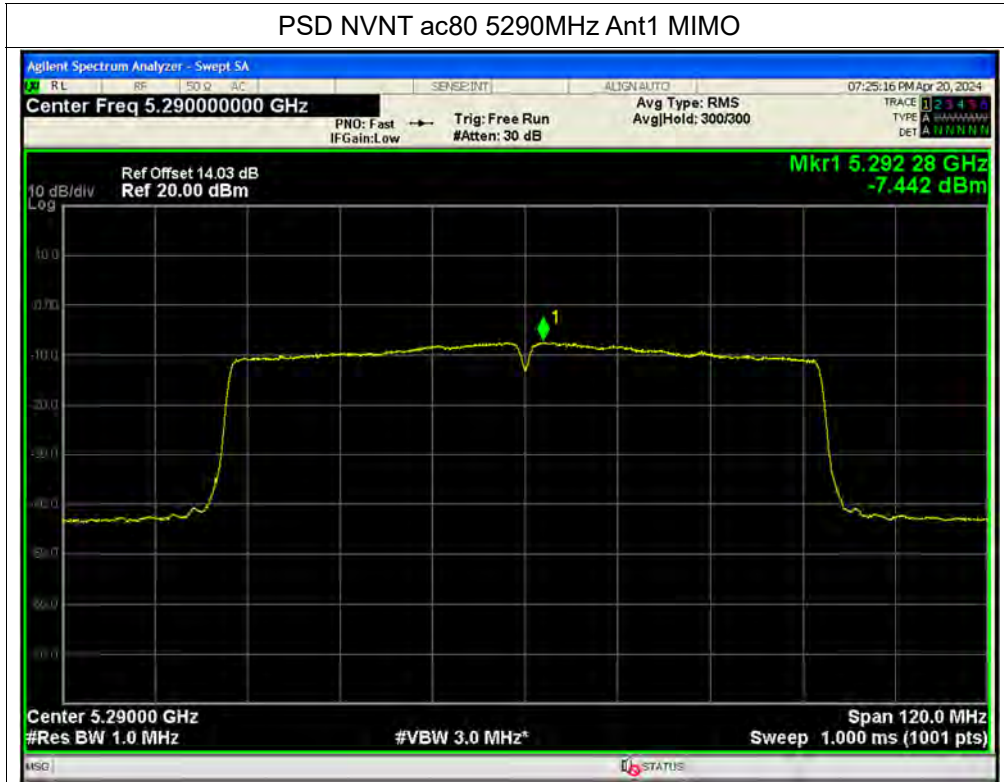


PSD NVNT ac80 5775MHz Ant2 SISO





PSD NVNT ac80 5290MHz Ant1 MIMO

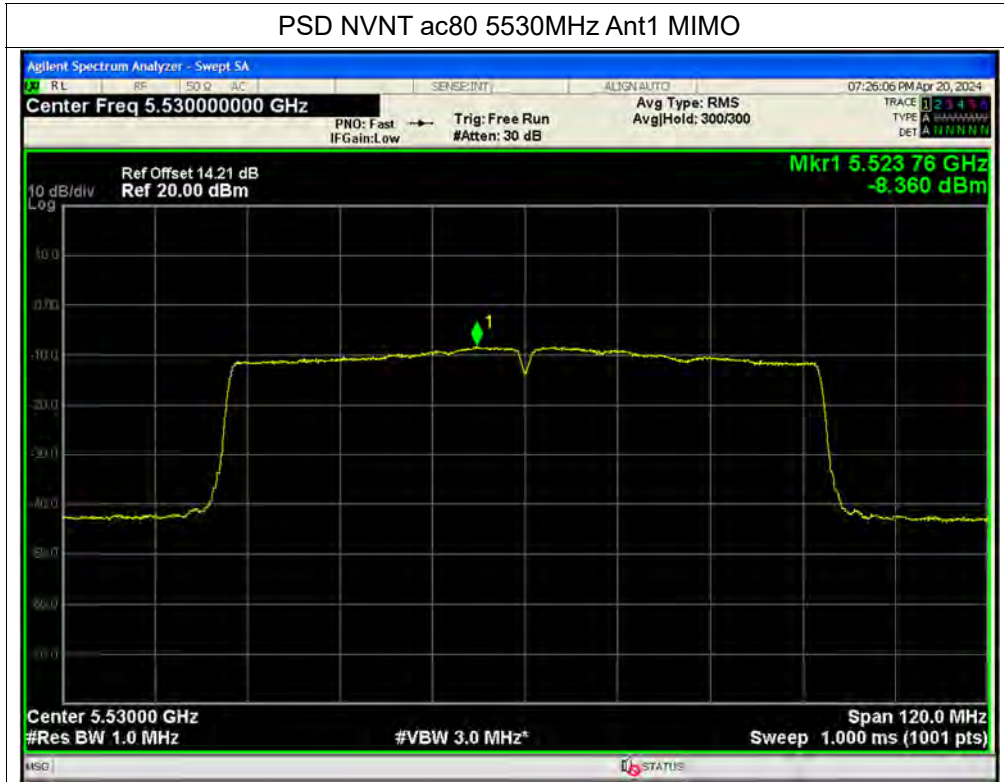


PSD NVNT ac80 5290MHz Ant2 MIMO

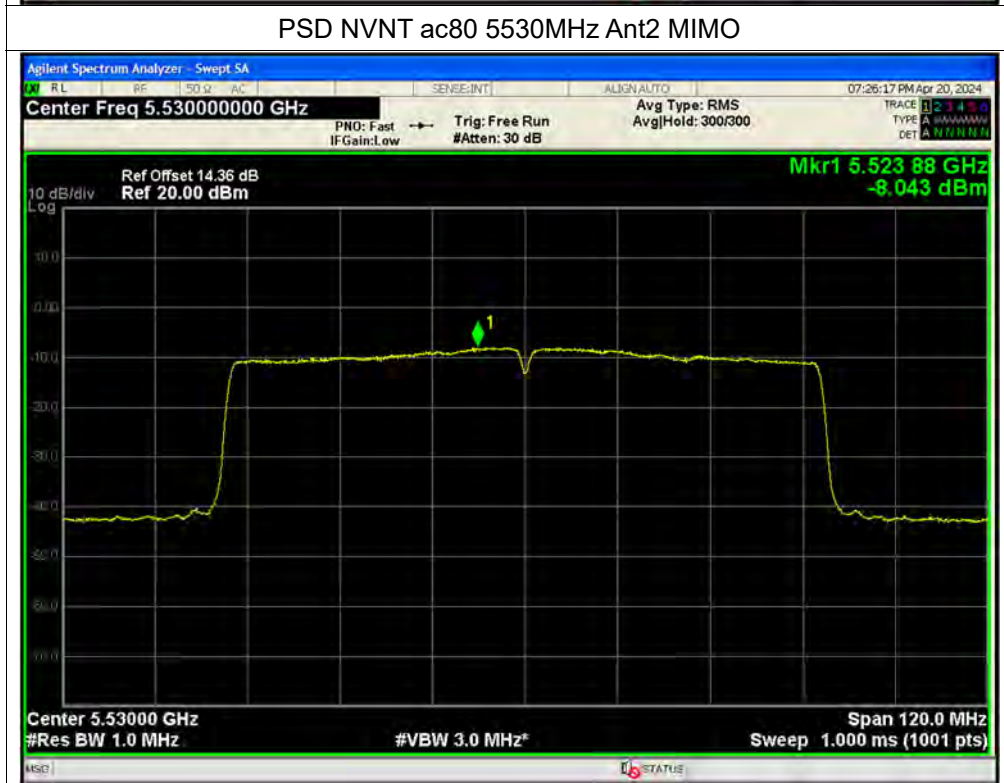




PSD NVNT ac80 5530MHz Ant1 MIMO



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

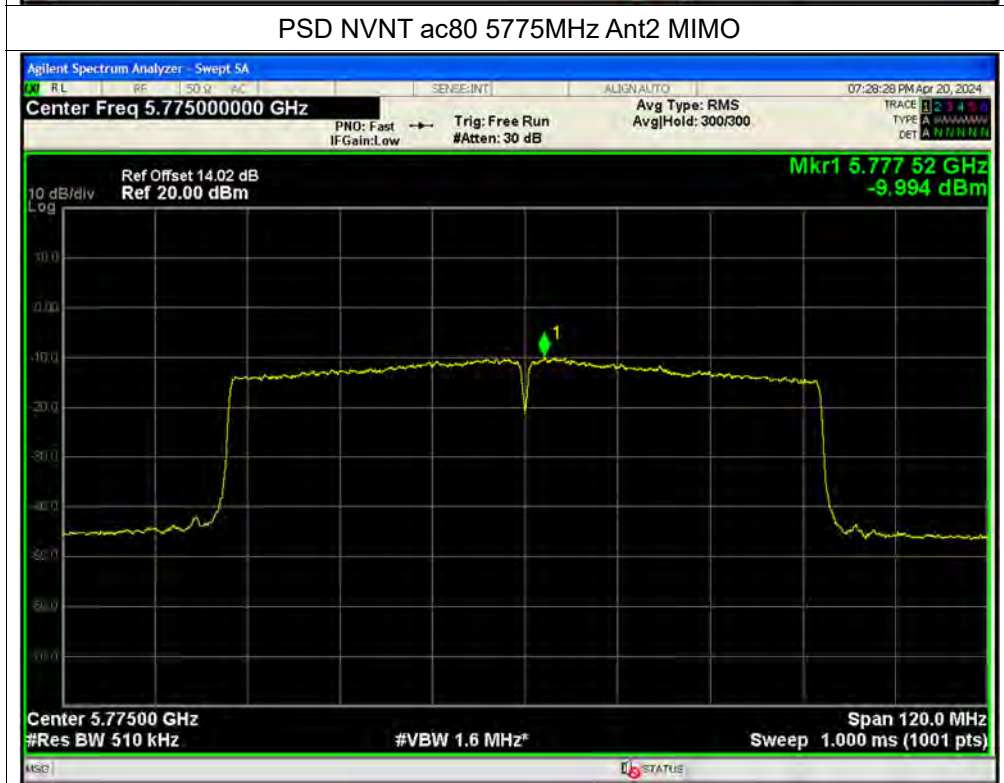




PSD NVNT ac80 5775MHz Ant1 MIMO



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 5.6V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 8.4V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
0C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
10C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
30C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
35C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 5.6V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 8.4V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
0C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
10C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
30C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
35C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 5.6V	Carrier	5500	Ant1	5499.993	-7000	-1.27	25	Pass
20C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 8.4V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
0C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
10C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
30C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
35C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 5.6V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
20C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
20C 8.4V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
0C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
10C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
30C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
35C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
20C 5.6V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 8.4V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
0C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
10C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
30C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass



35C 7.2V	Carrier	5180	Ant1	5179.995	-5000	-0.97	25	Pass
20C 5.6V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 8.4V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
0C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
10C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
30C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
35C 7.2V	Carrier	5260	Ant1	5259.993	-7000	-1.33	25	Pass
20C 5.6V	Carrier	5500	Ant1	5499.993	-7000	-1.27	25	Pass
20C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 8.4V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
0C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
10C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
30C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
35C 7.2V	Carrier	5500	Ant1	5499.992	-8000	-1.45	25	Pass
20C 5.6V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
20C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
20C 8.4V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
0C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
10C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
30C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass
35C 7.2V	Carrier	5745	Ant1	5744.992	-8000	-1.39	25	Pass



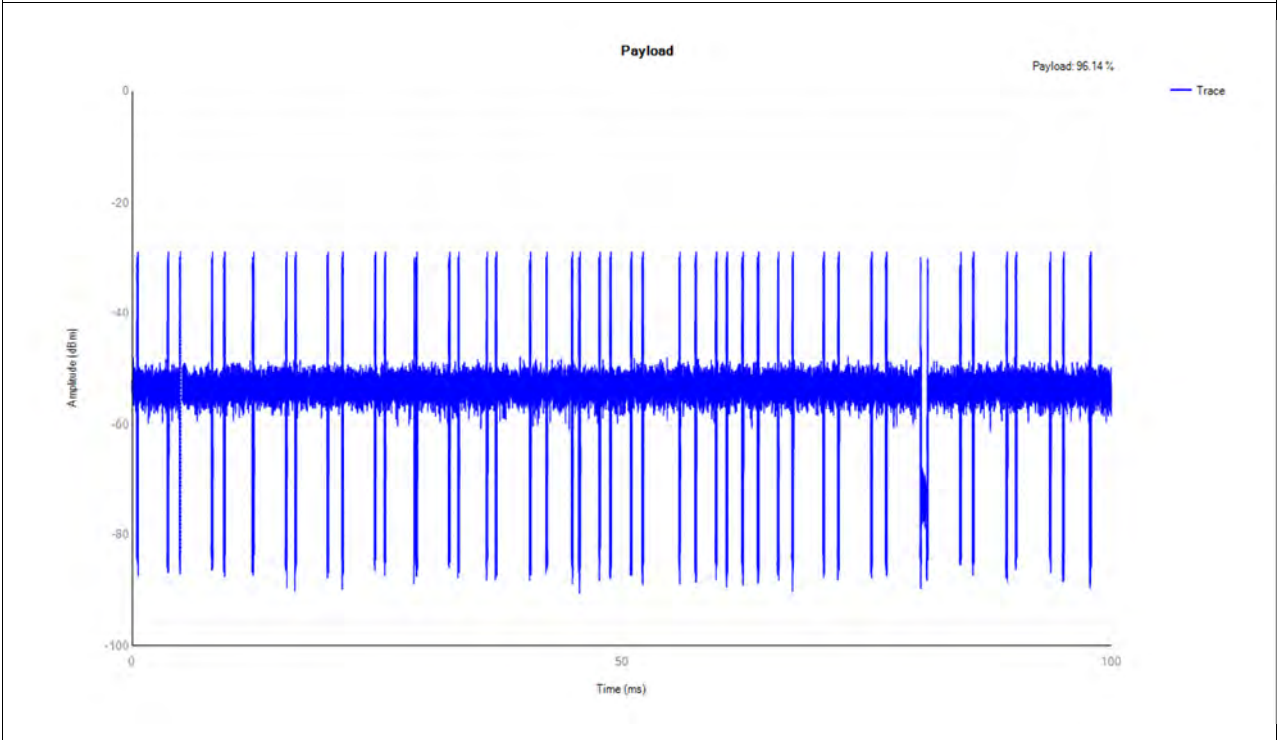
A.6. Dynamic Frequency Selection

Payload

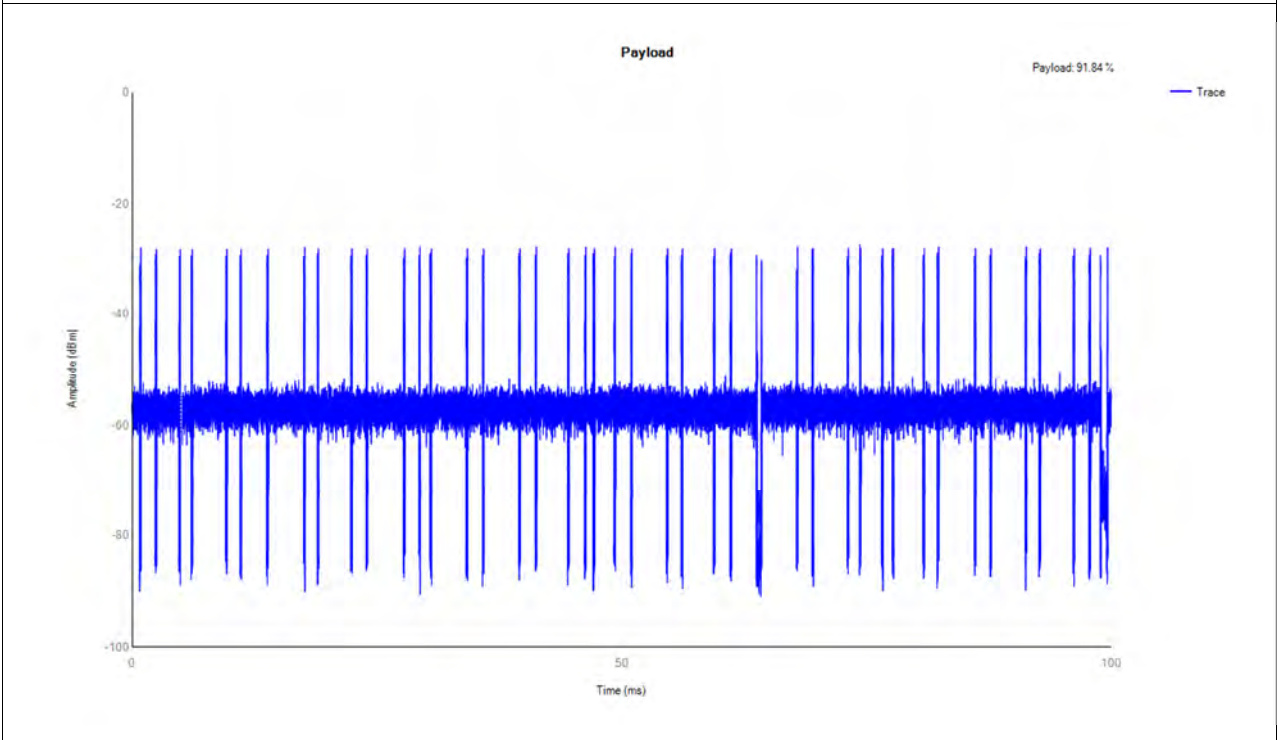
Mode	Frequency (MHz)	Result	Verdict
a	5320	96.14	Pass
a	5500	91.84	Pass
ac80	5290	93.67	Pass
ac80	5530	39.77	Pass

Test Graphs

a 5320MHz Payload

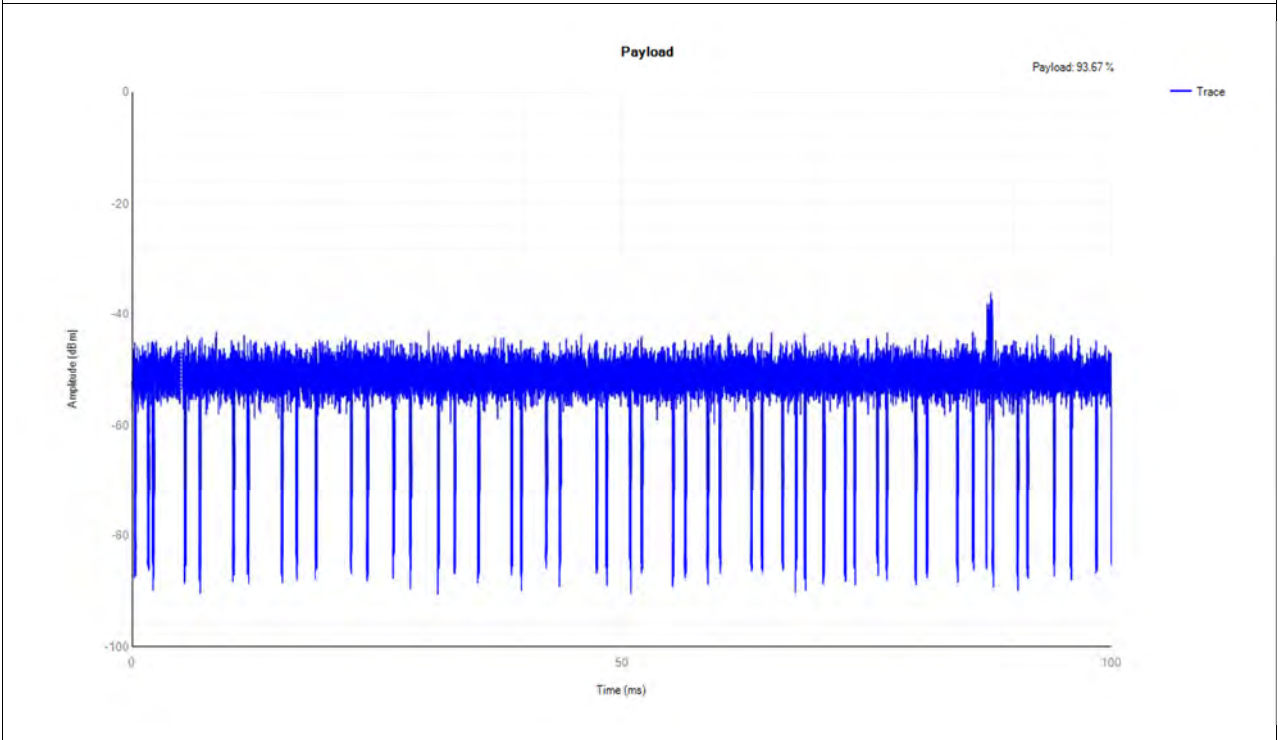


a 5500MHz Payload

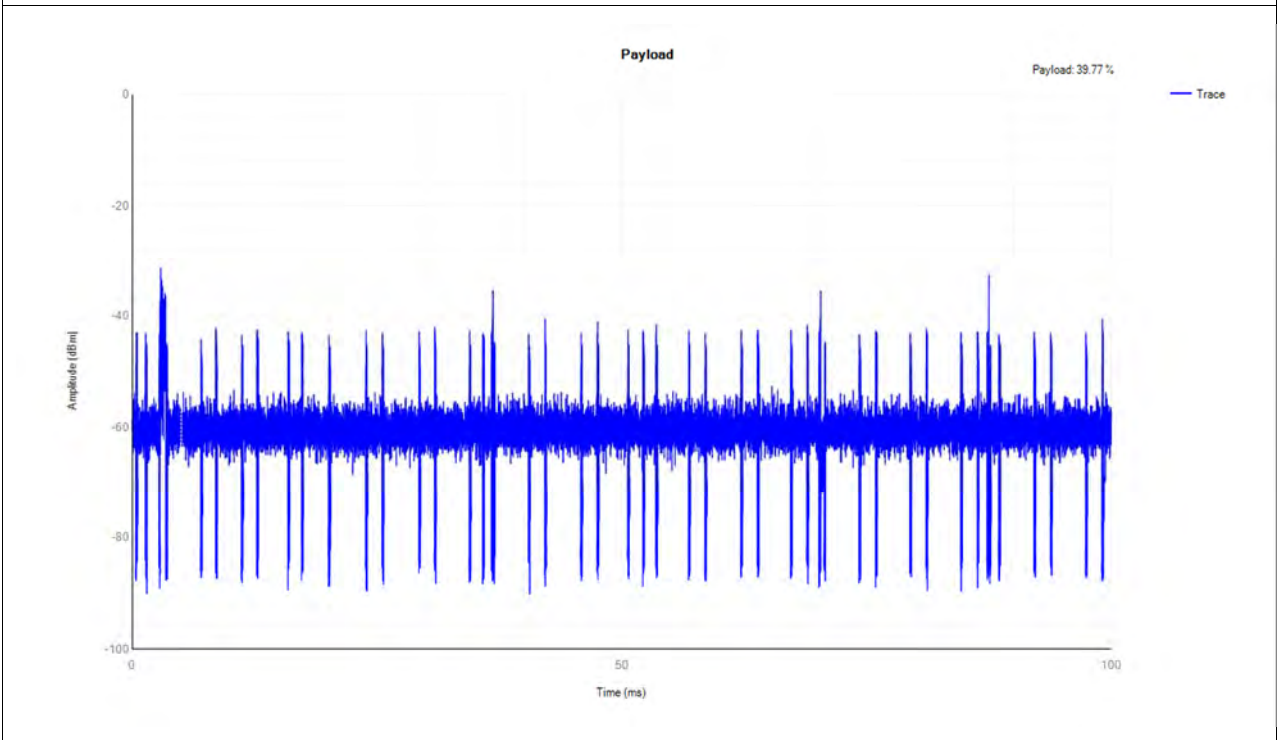




ac80 5290MHz Payload



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

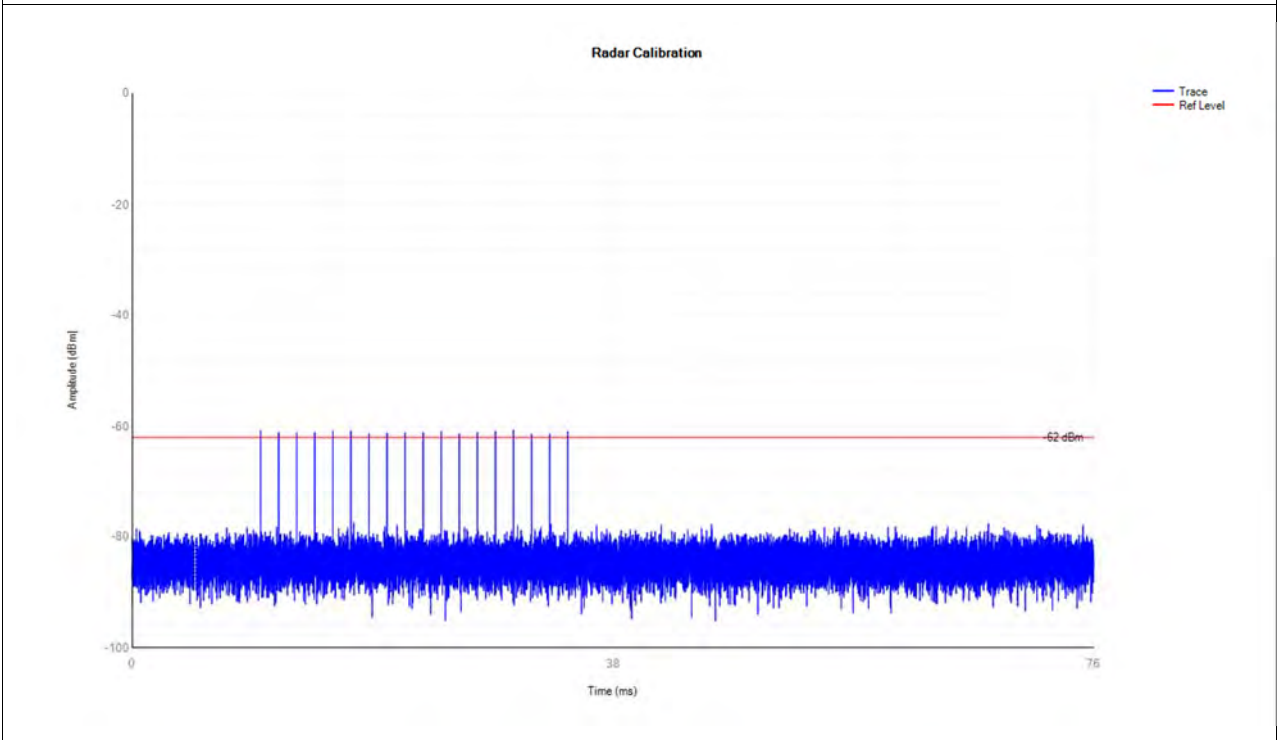
Detector Type: Peak

RBW: 3MHz

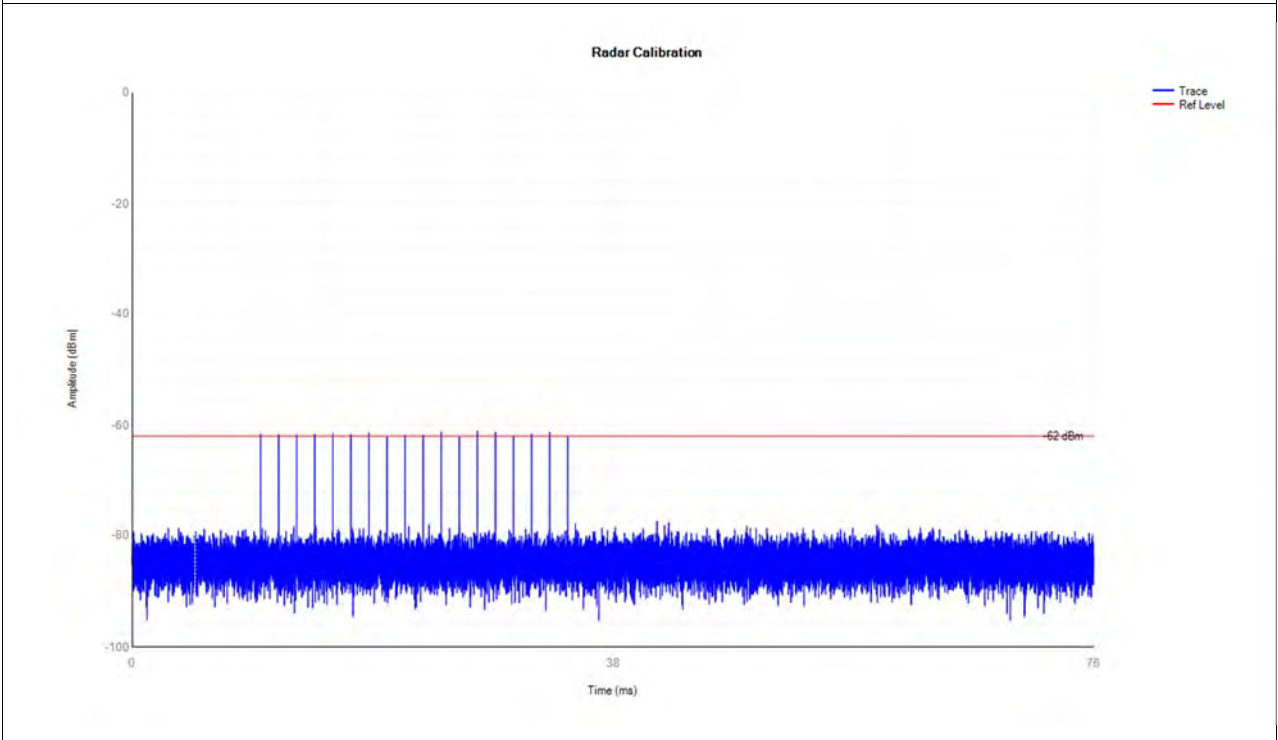
VBW: 3MHz

Test Graphs

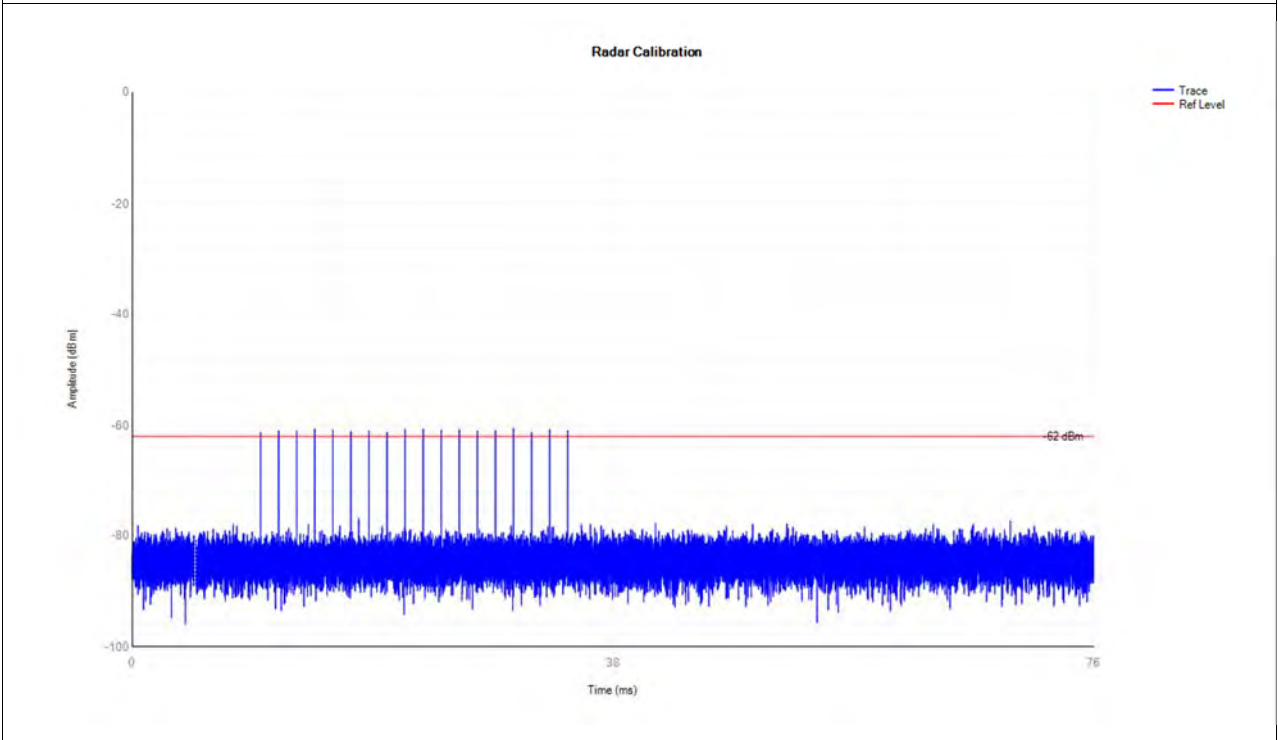
5320MHz DFS_FCC_T0



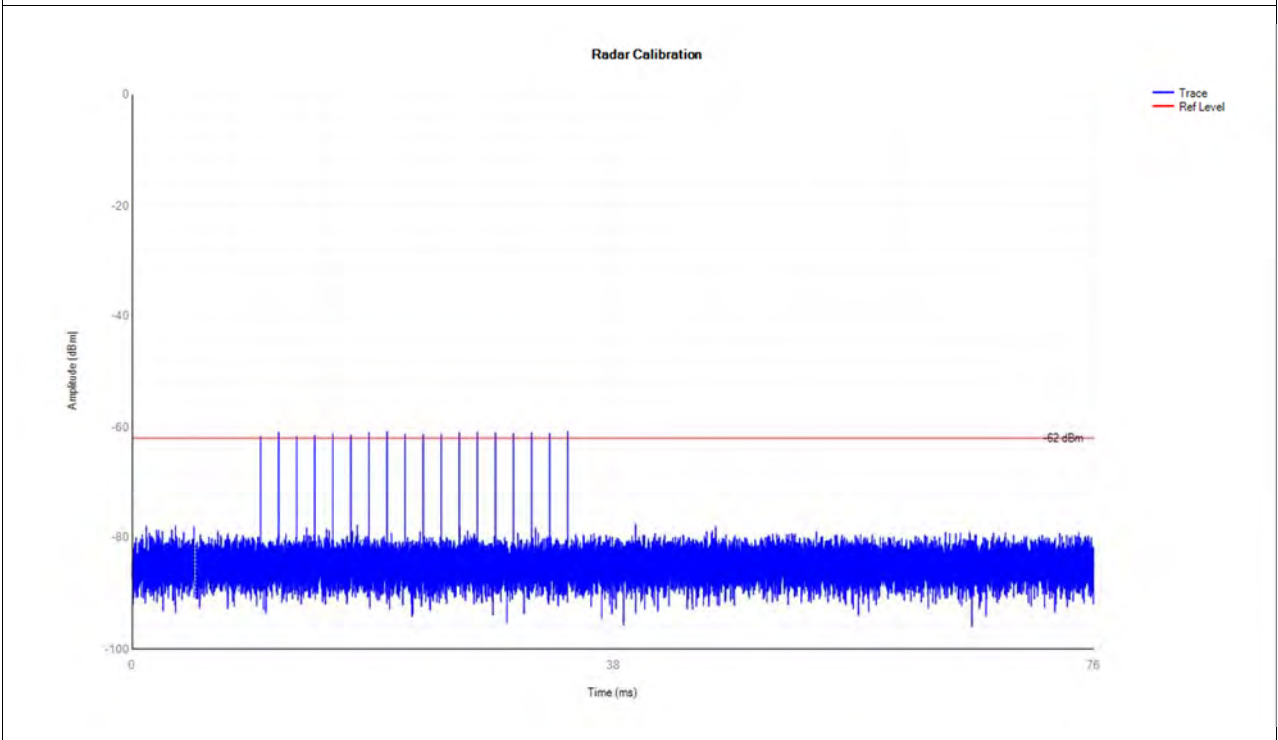
5500MHz DFS_FCC_T0



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	0.900	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

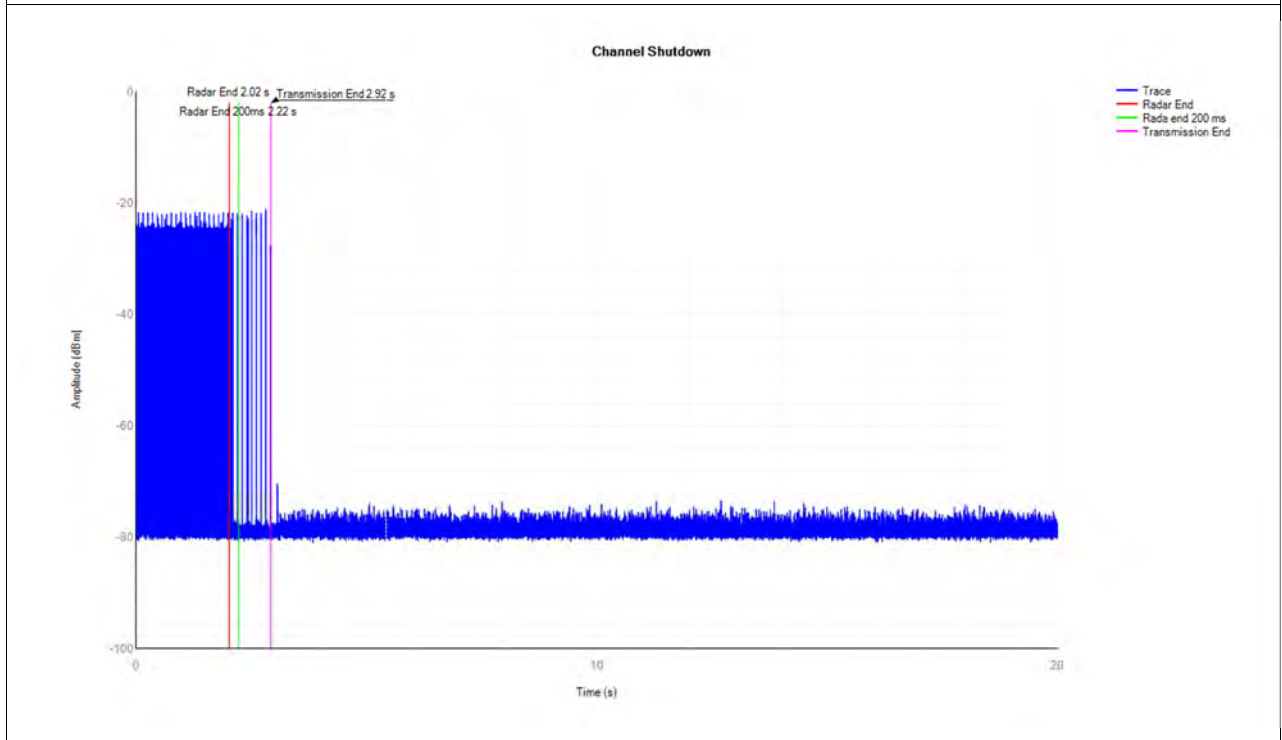
RBW: 3MHz

VBW: 3MHz

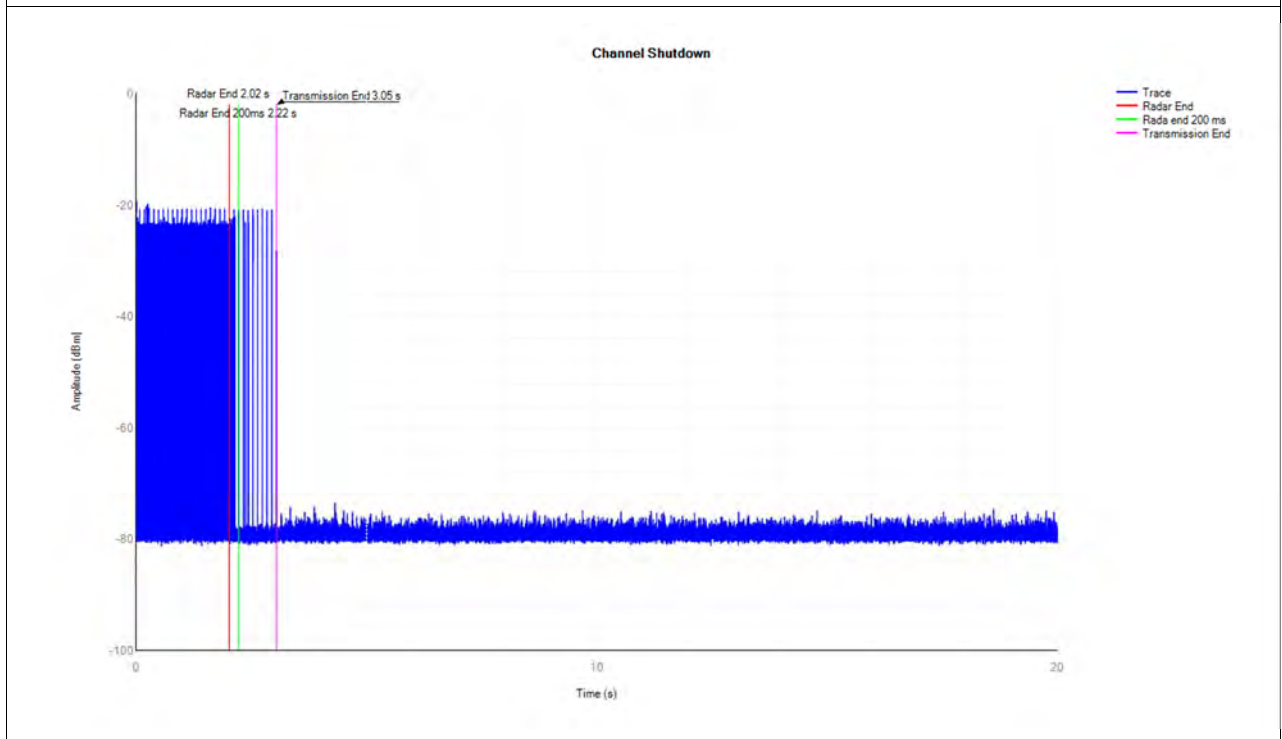
Sweep time: 20s

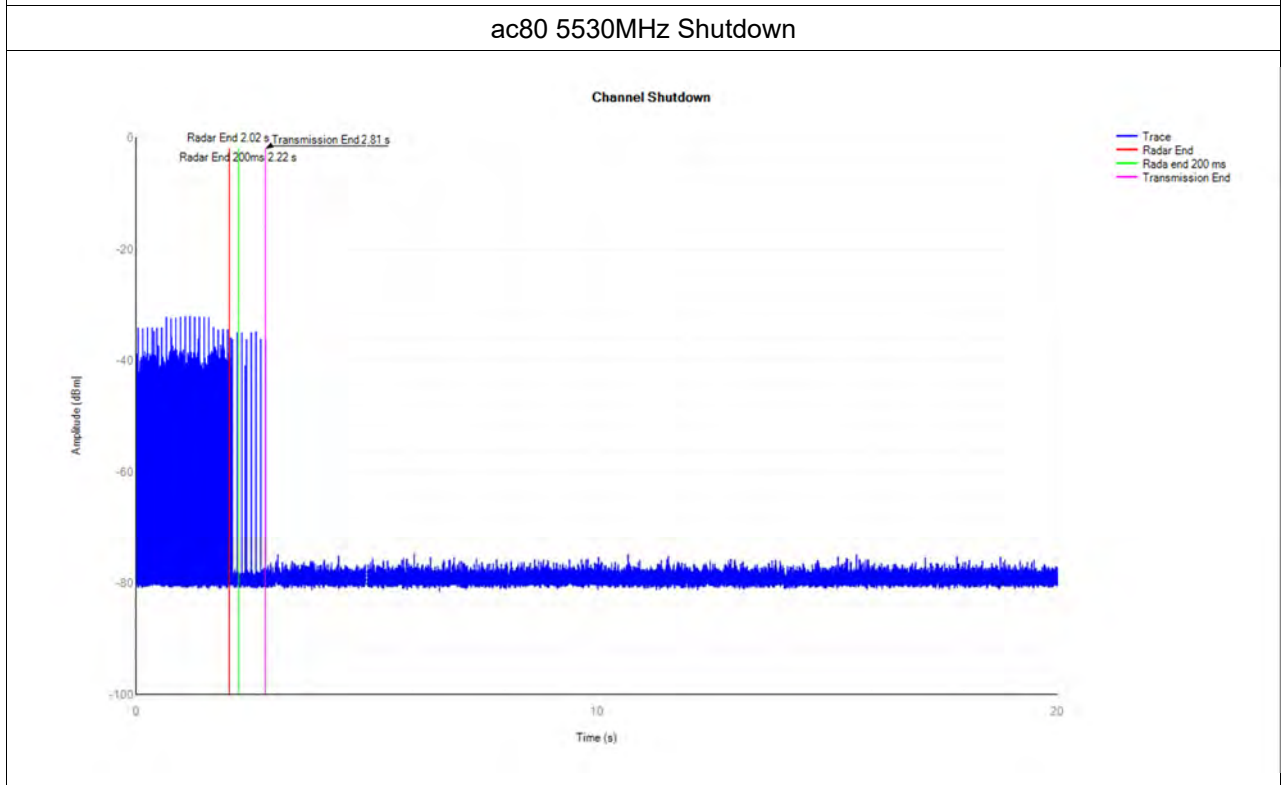
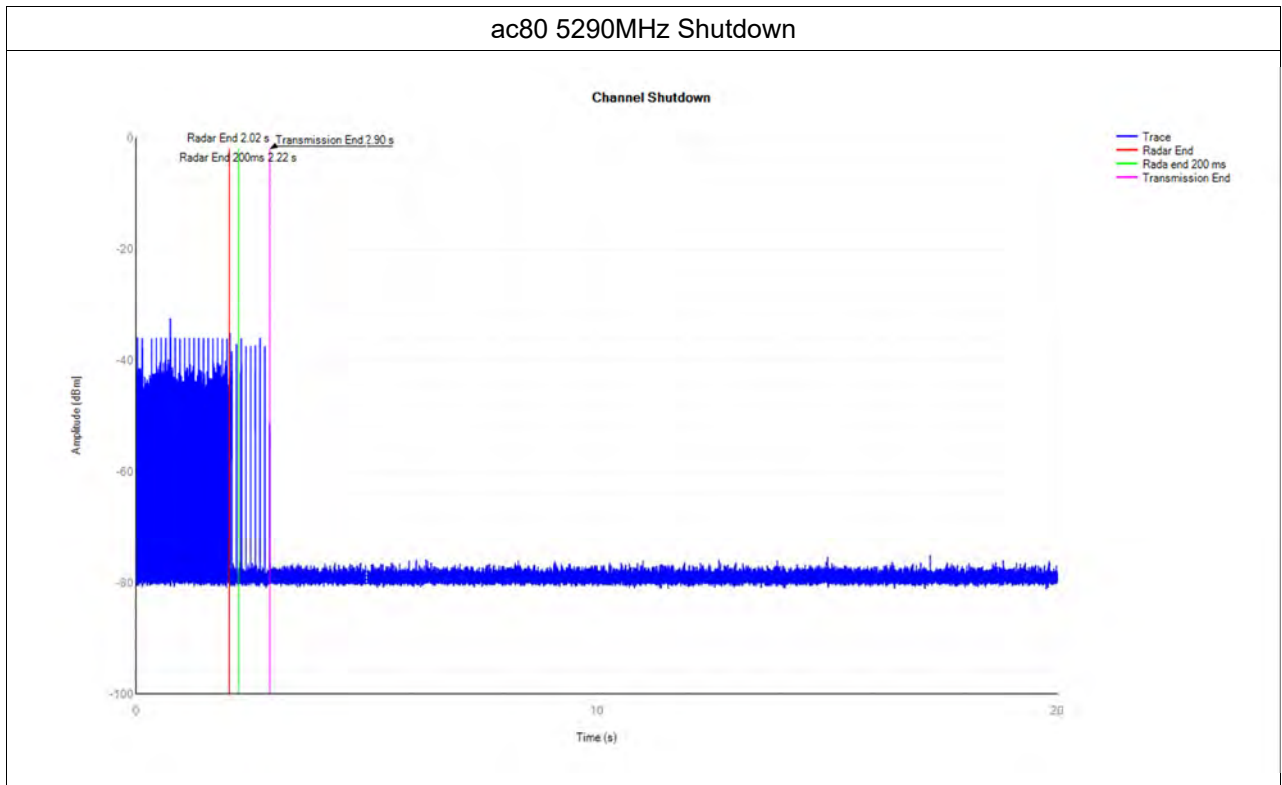
Test Graphs

a 5320MHz Shutdown



a 5500MHz Shutdown





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

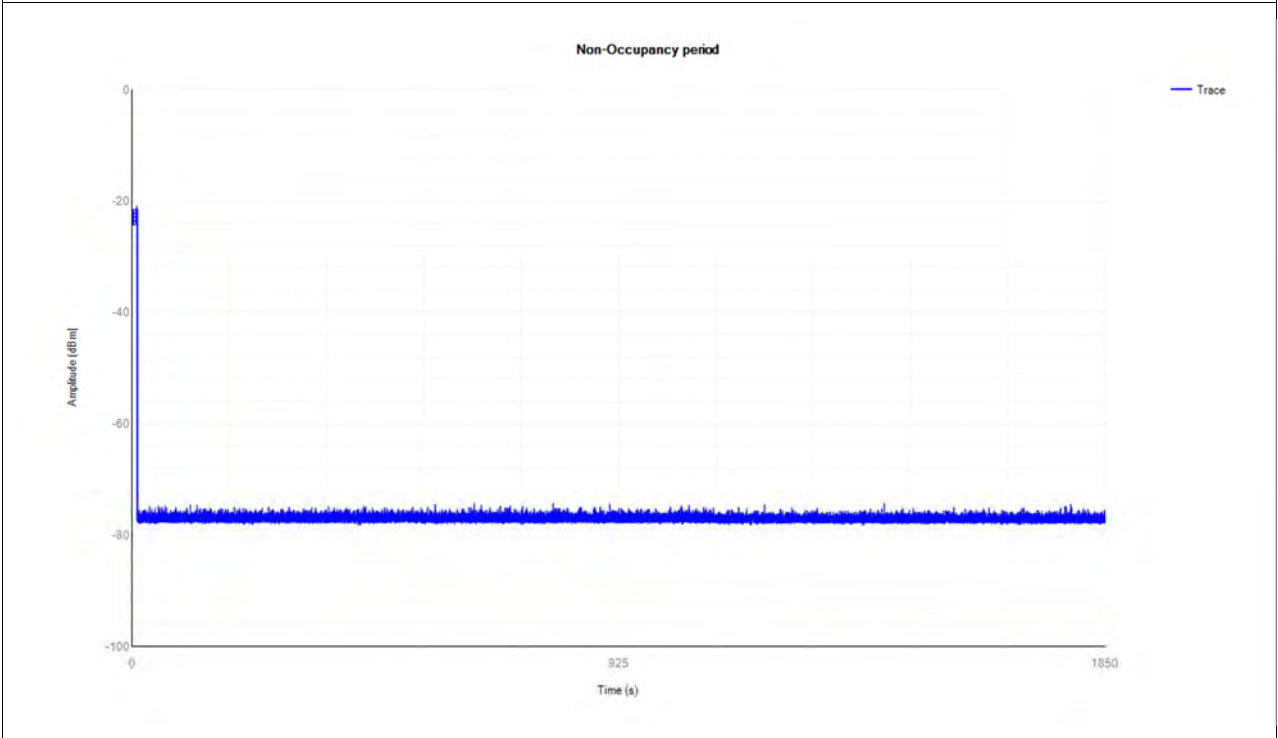
RBW: 3MHz

VBW: 3MHz

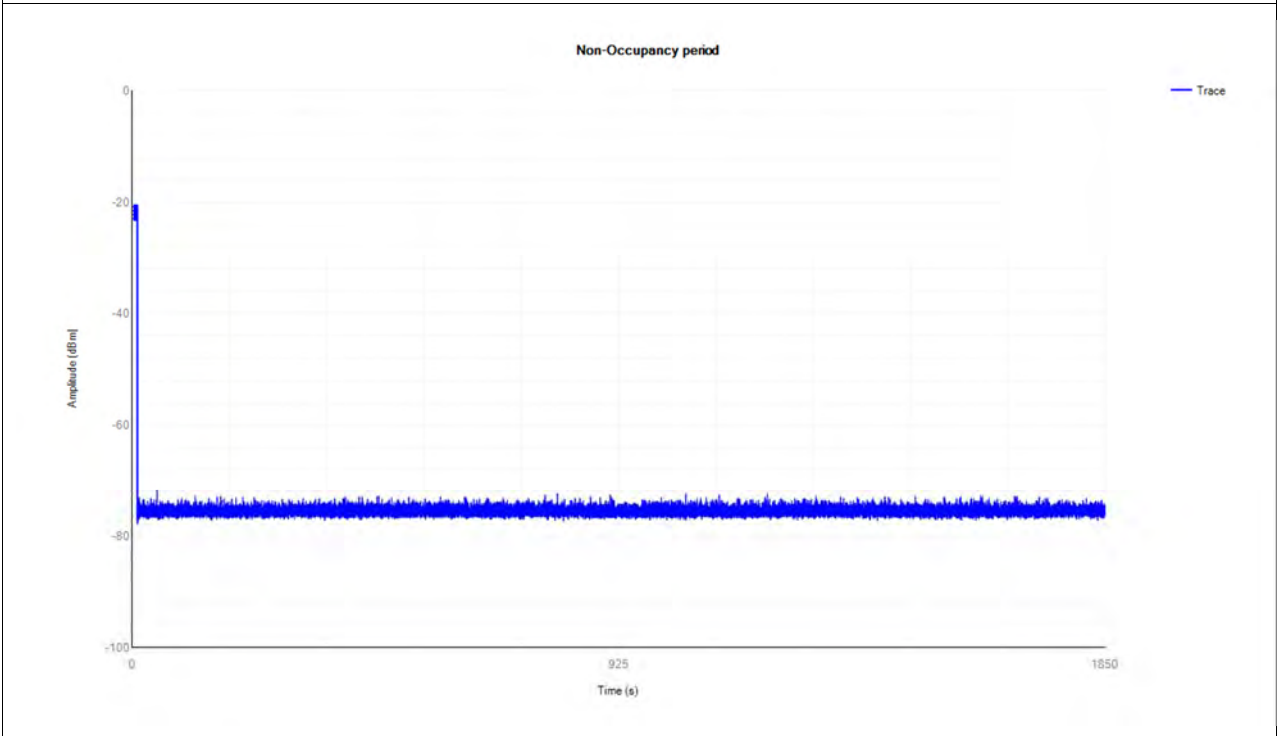
Sweep time: 1850s

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

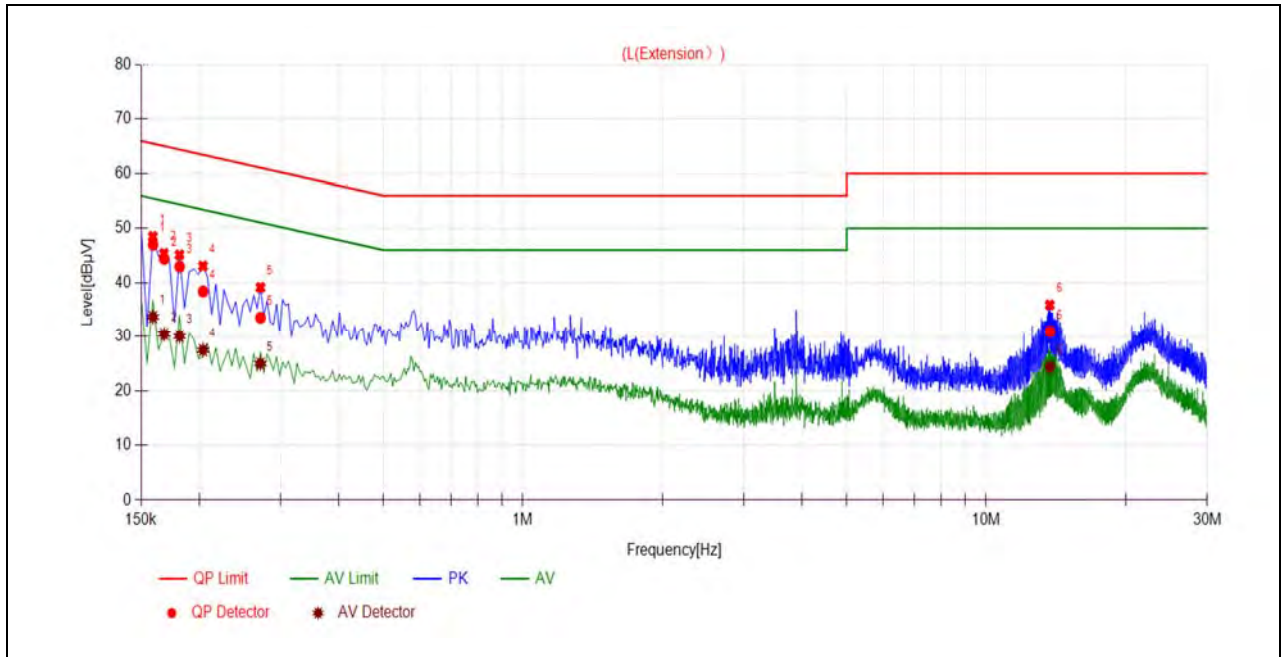
The measurement results are obtained as below:

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

U_R : Receiver Reading

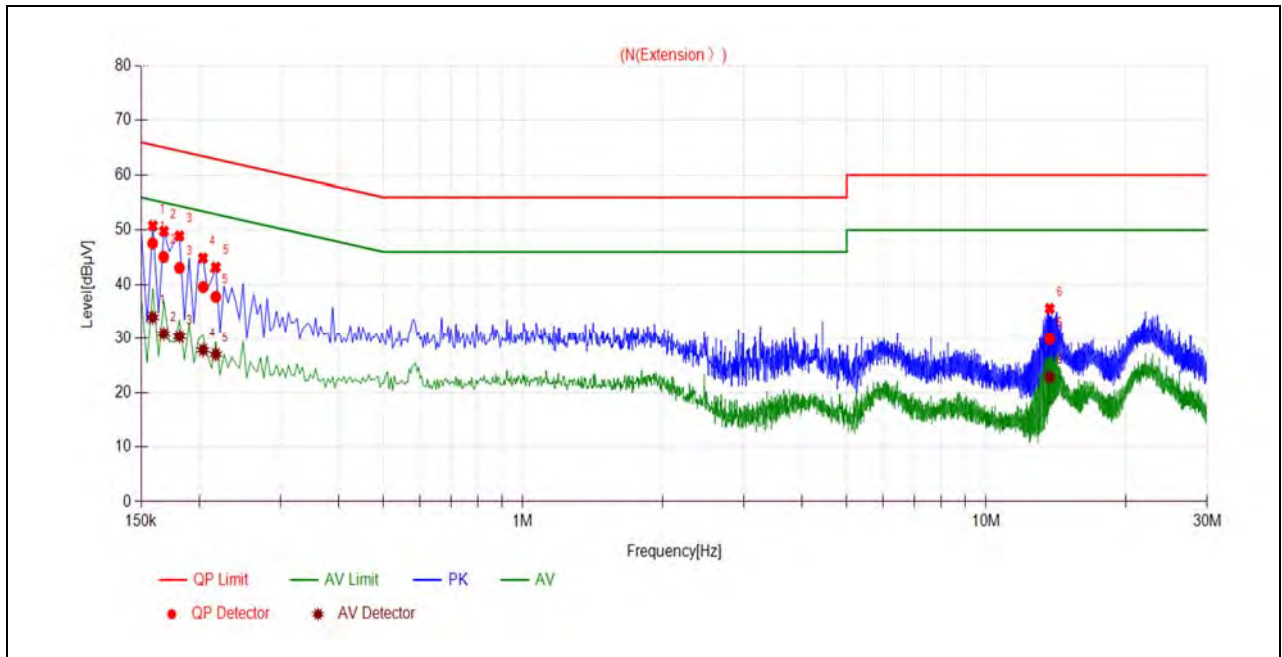
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1591	47.03	33.67	65.51	55.51	Line	PASS
2	0.1682	44.40	30.42	65.05	55.05		PASS
3	0.1816	42.95	30.03	64.41	54.41		PASS
4	0.2041	38.39	27.45	63.44	53.44		PASS
5	0.2714	33.52	24.97	61.07	51.07		PASS
6	13.7335	30.96	24.34	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1588	47.58	33.96	65.52	55.52	Neutral	PASS
2	0.1678	45.09	30.88	65.07	55.07		PASS
3	0.1815	43.07	30.37	64.41	54.41		PASS
4	0.2042	39.57	27.84	63.44	53.44		PASS
5	0.2174	37.76	27.02	62.92	52.92		PASS
6	13.7139	29.91	22.80	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

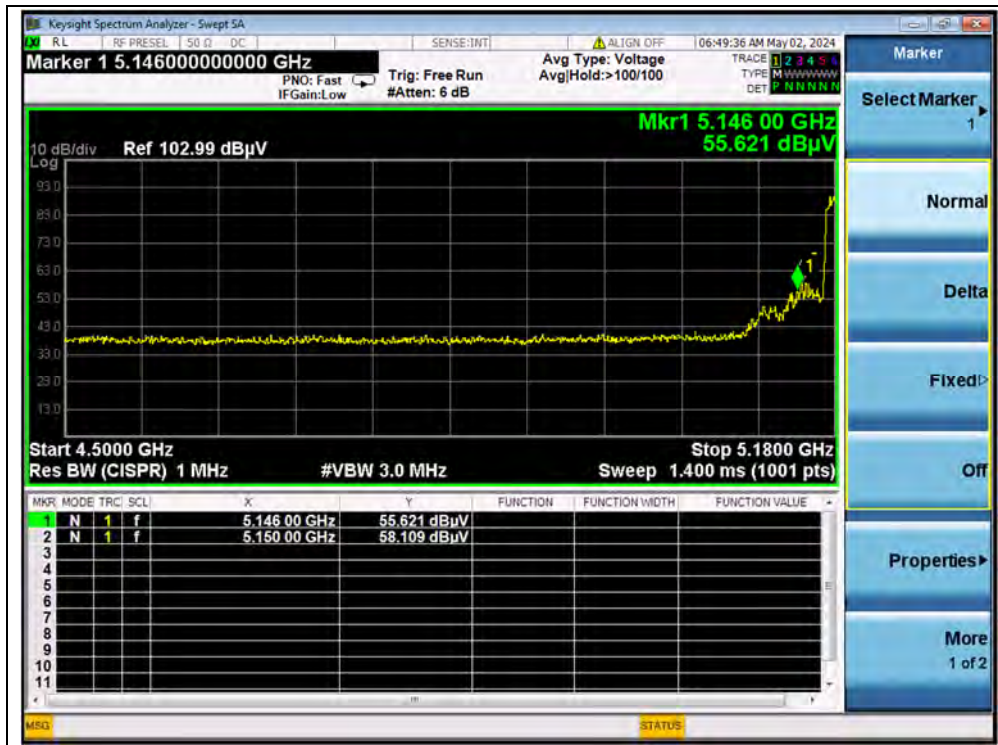
A_{Factor} : Antenna Factor at 3m

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.

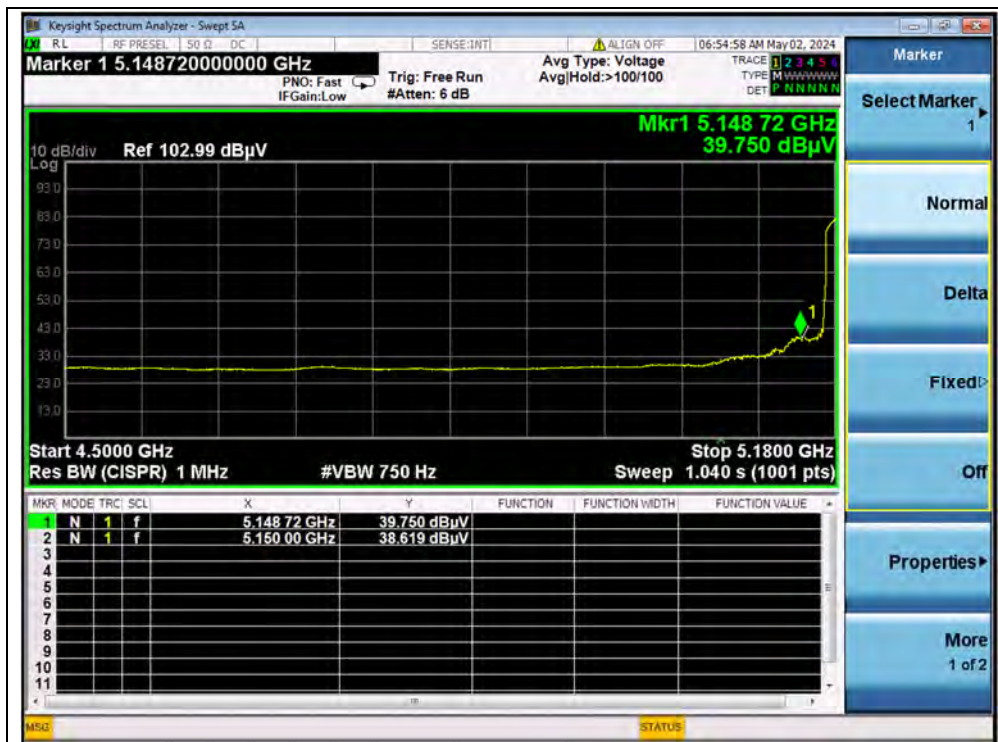
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

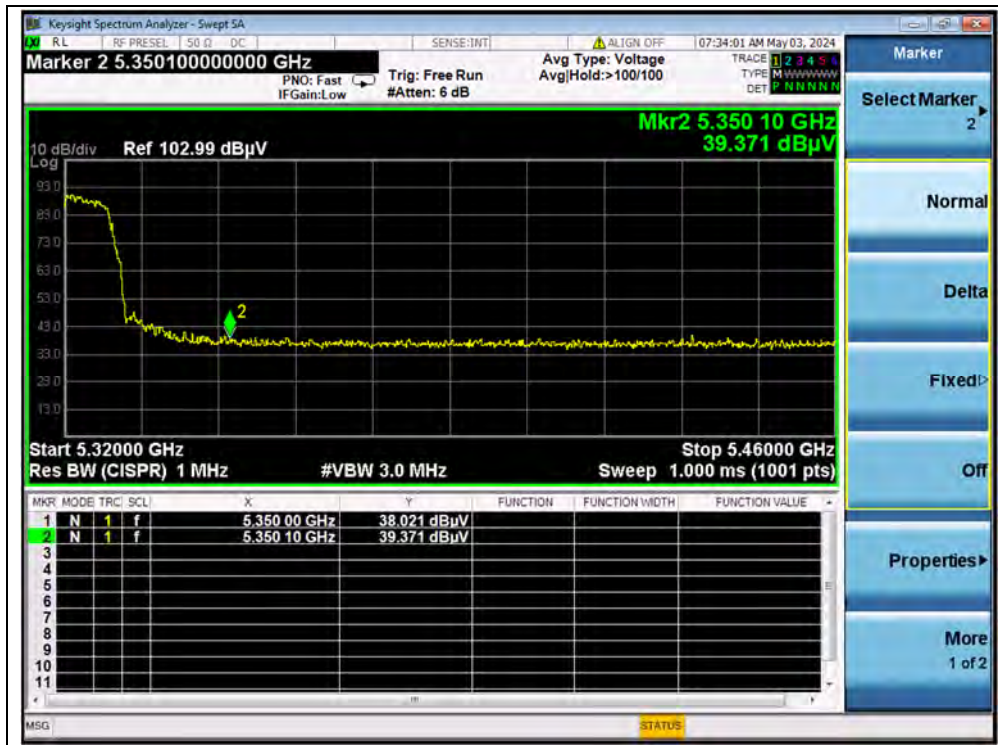
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5150.00	PK	58.11	-19.54	32.20	70.77	74	PASS
36	5148.72	AV	39.75	-19.54	32.20	52.41	54	PASS
64	5350.10	PK	39.37	-18.80	32.20	52.77	74	PASS
64	5350.39	AV	29.97	-18.80	32.20	43.37	54	PASS
100	5467.00	PK	58.85	-19.20	32.20	71.85	68.23	PASS
100	5459.50	AV	39.35	-19.20	32.20	52.35	54	PASS
144	5729.40	PK	42.03	-19.20	32.20	55.03	68.23	PASS
149	5725.00	PK	50.35	-19.01	32.20	63.54	122.23	PASS
165	5850.00	PK	39.98	-19.01	32.20	53.17	122.23	PASS



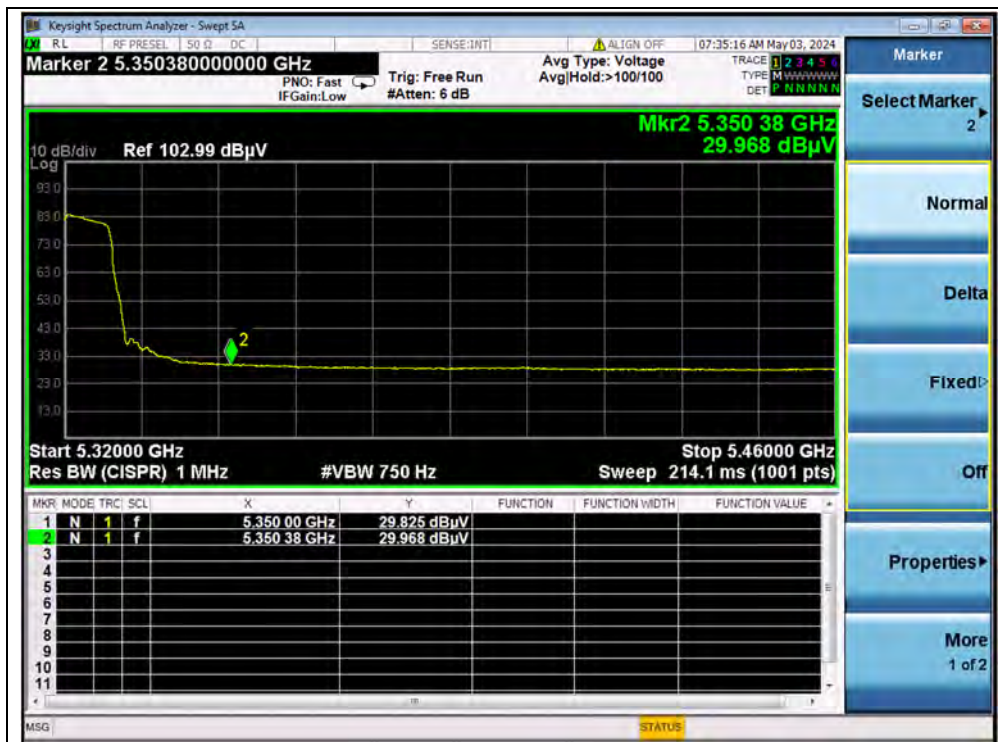
(PEAK, Channel 36, 802.11a)



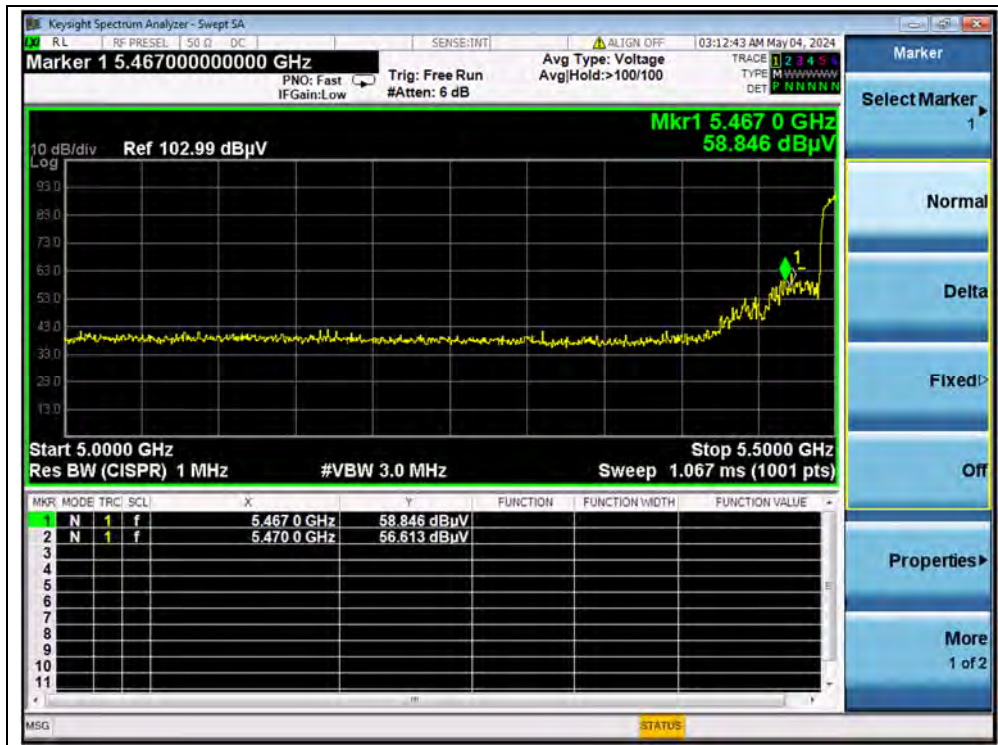
(AVERAGE, Channel 36, 802.11a)



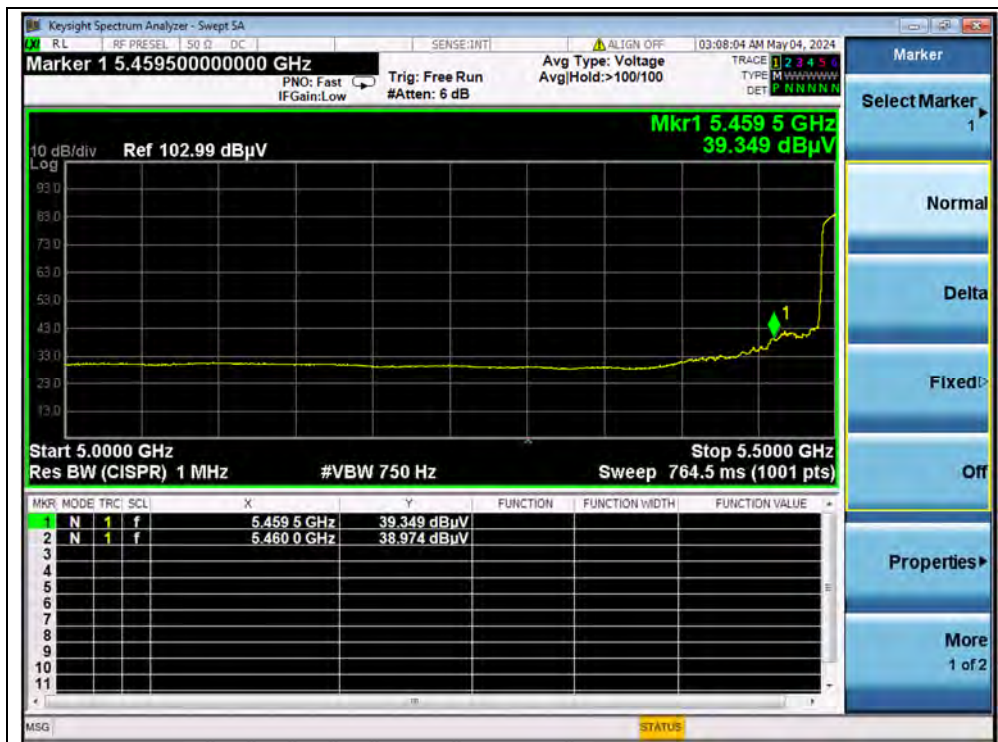
(PEAK, Channel 64, 802.11a)



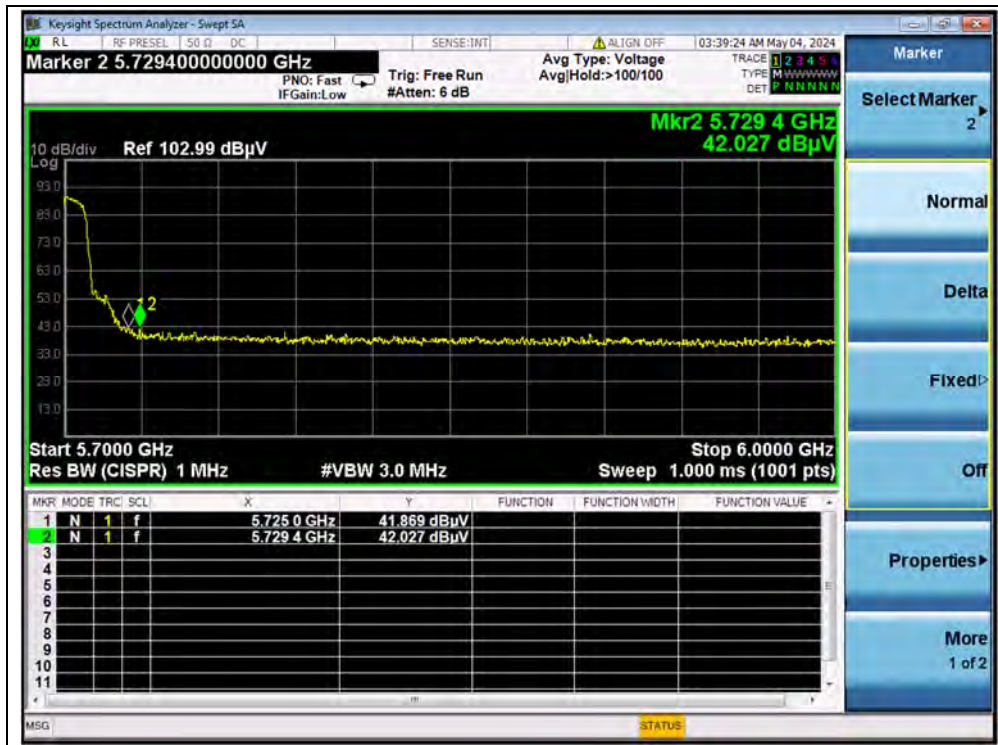
(AVERAGE, Channel 64, 802.11a)



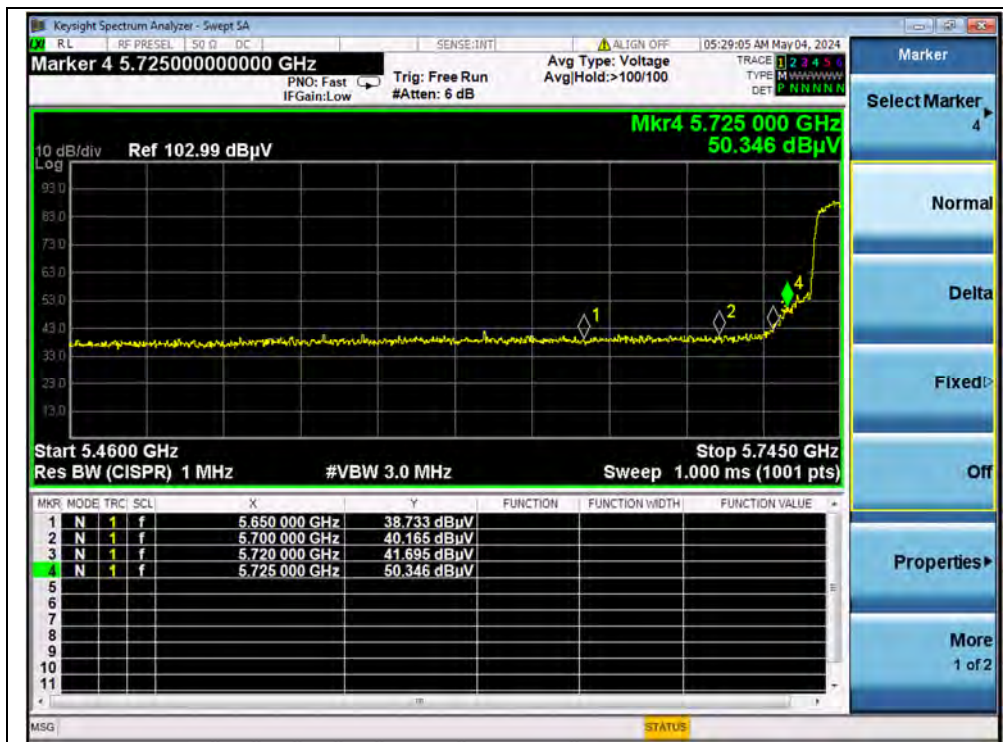
(PEAK, Channel 100, 802.11a)



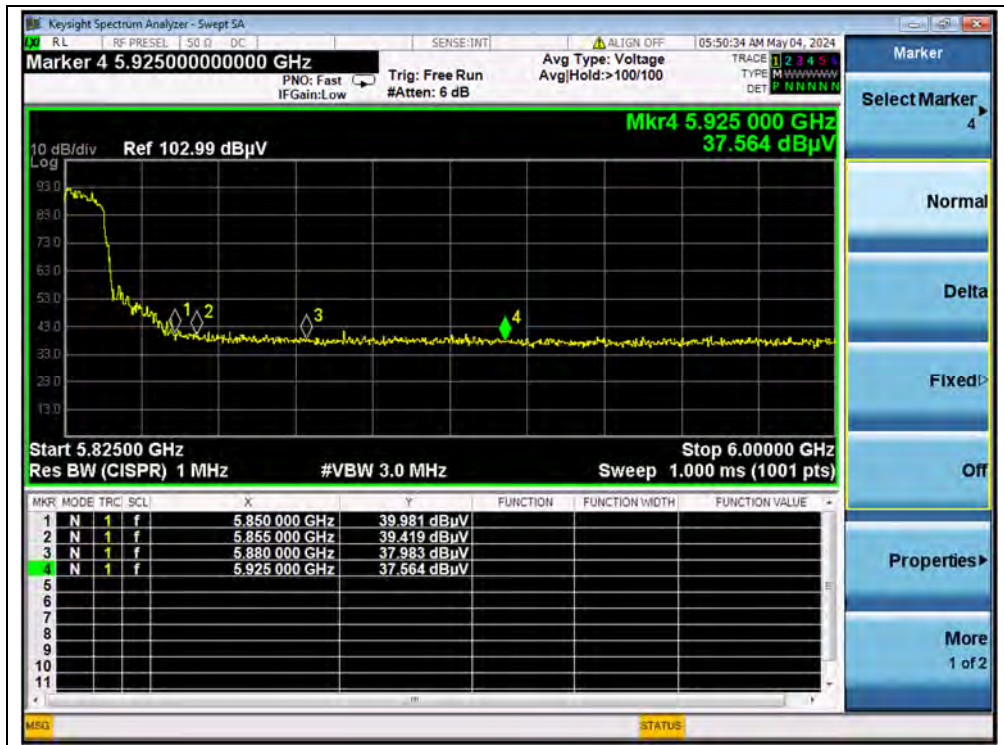
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

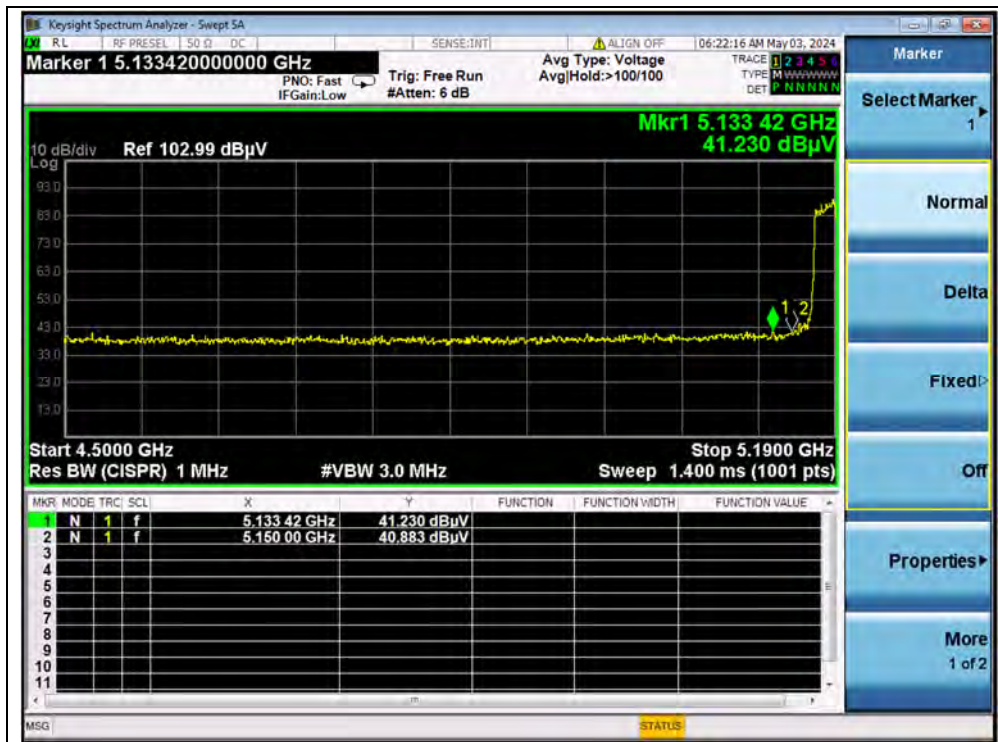


(PEAK, Channel 165, 802.11a)

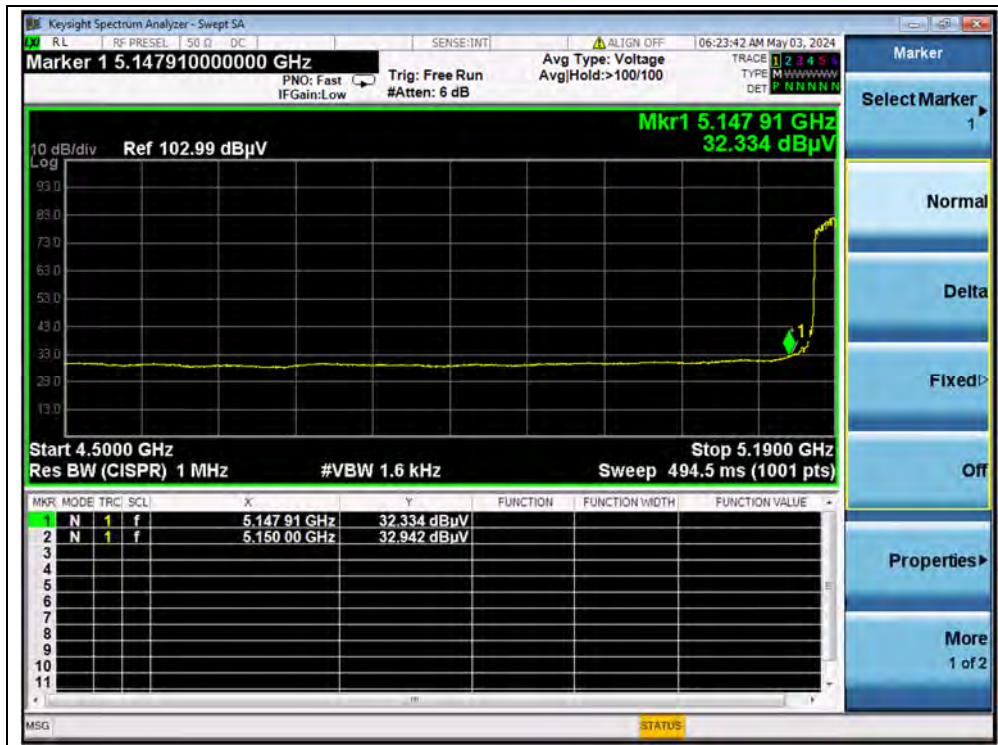


802.11n (HT40) Mode

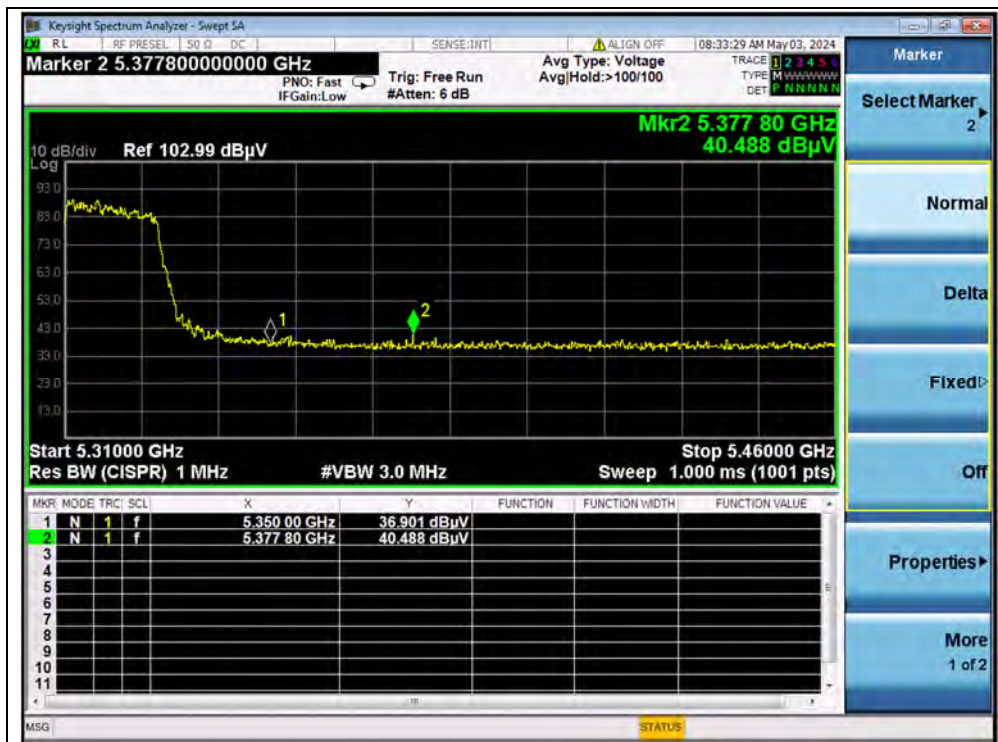
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
38	5133.42	PK	41.23	-19.54	32.20	53.89	74	PASS
38	5150.00	AV	32.94	-19.54	32.20	45.60	54	PASS
62	5377.80	PK	40.49	-18.80	32.20	53.89	74	PASS
62	5350.35	AV	30.82	-18.80	32.20	44.22	54	PASS
102	5470.00	PK	41.84	-19.20	32.20	54.84	68.23	PASS
102	5458.49	AV	31.34	-19.20	32.20	44.34	54	PASS
142	5728.41	PK	41.54	-19.20	32.20	54.54	68.23	PASS
151	5725.00	PK	47.12	-19.01	32.20	60.31	122.23	PASS
159	5850.00	PK	38.30	-19.01	32.20	51.49	122.23	PASS



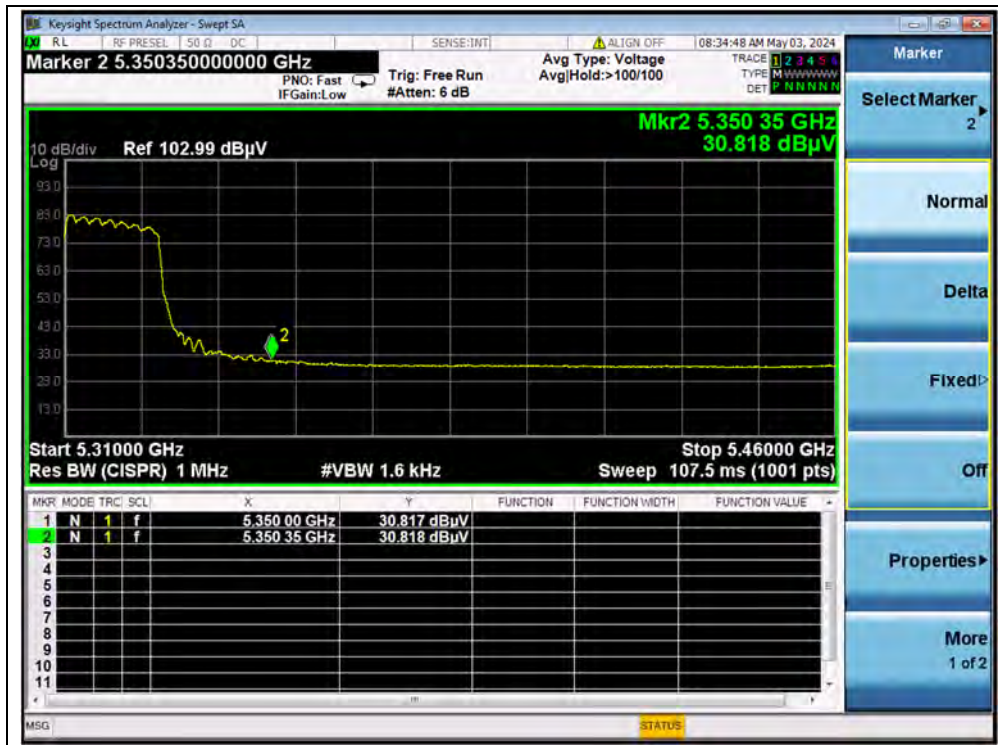
(PEAK, Channel 38, 802.11n (HT40))



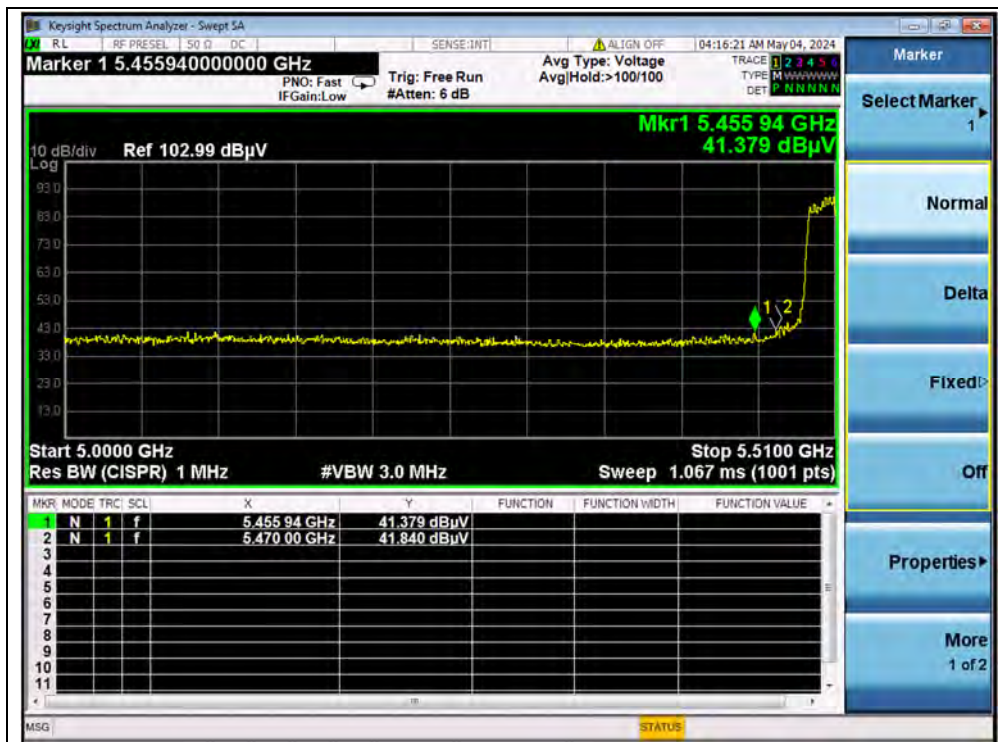
(AVERAGE, Channel 38, 802.11n (HT40))



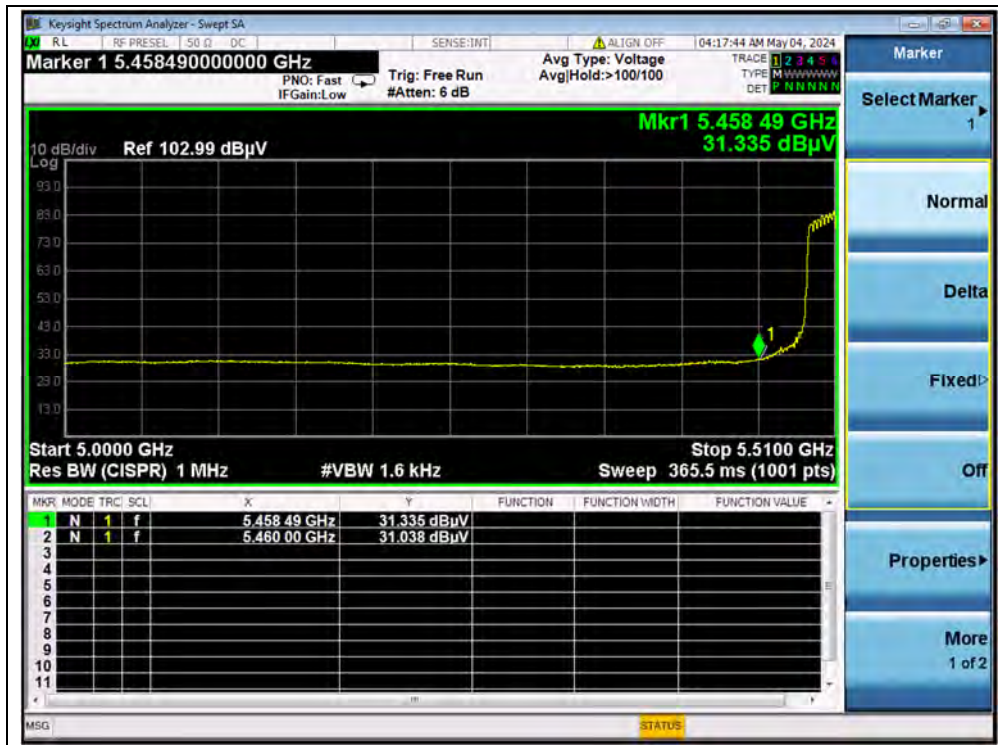
(PEAK, Channel 62, 802.11n (HT40))



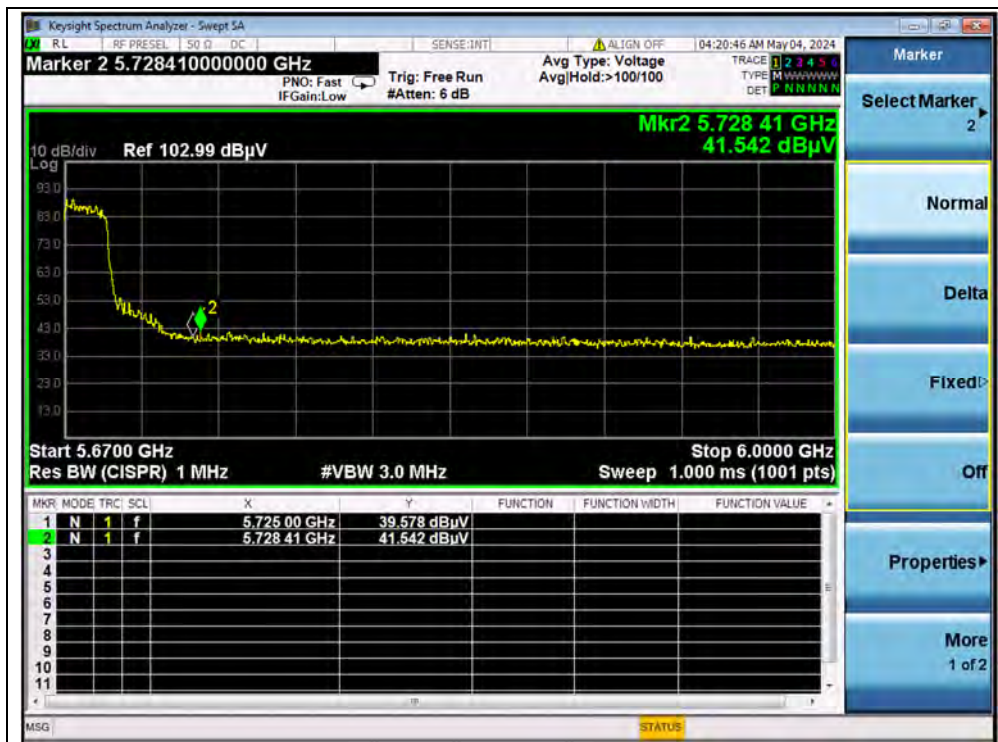
(AVERAGE, Channel 62, 802.11n (HT40))



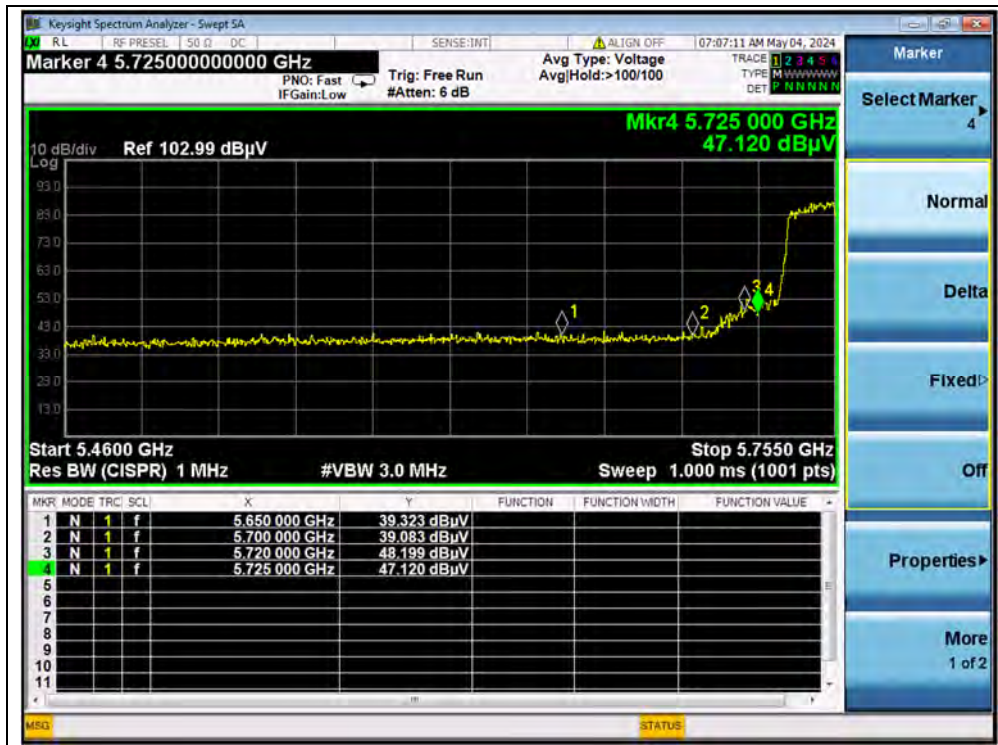
(PEAK, Channel 102, 802.11n (HT40))



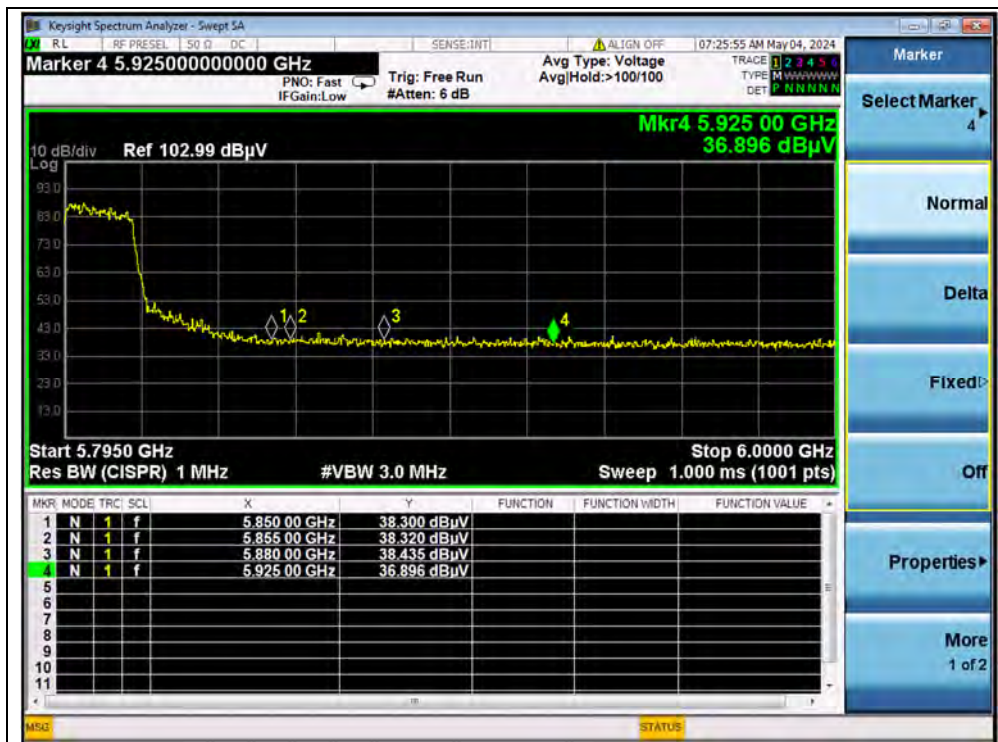
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

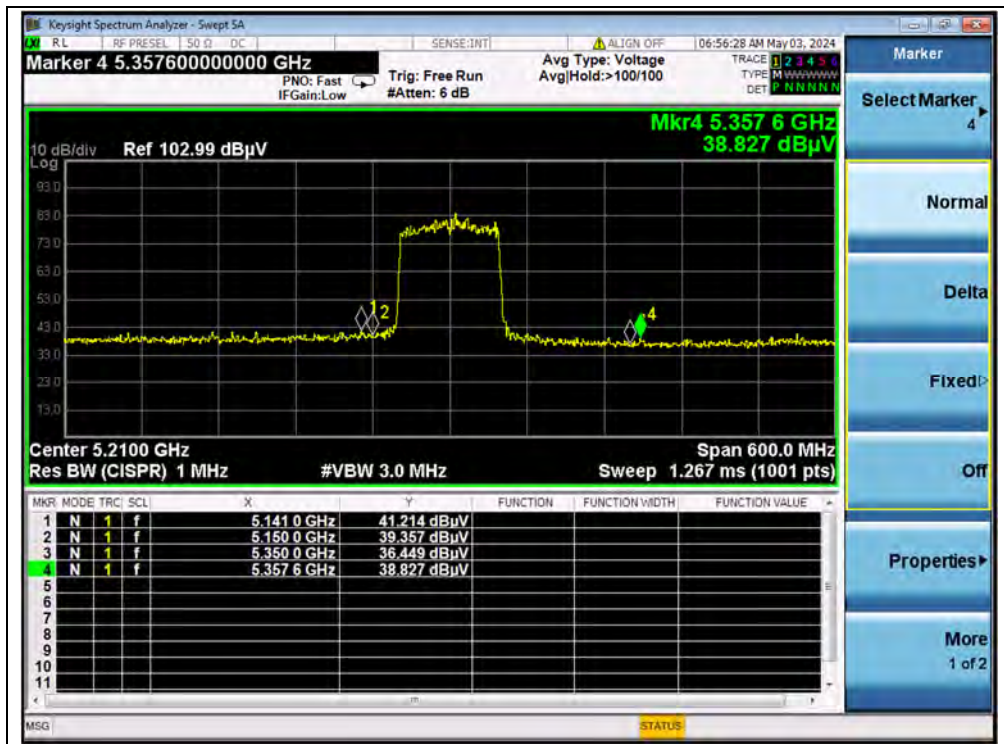


(PEAK, Channel 159, 802.11n (HT40))

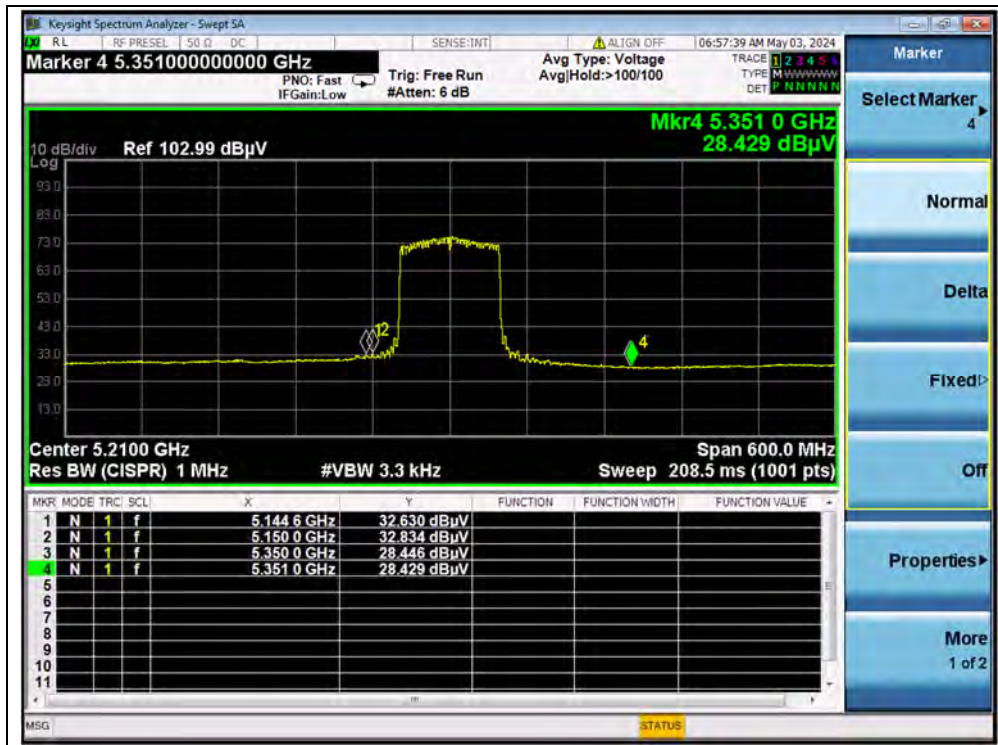


802.11ac (VHT80) Mode

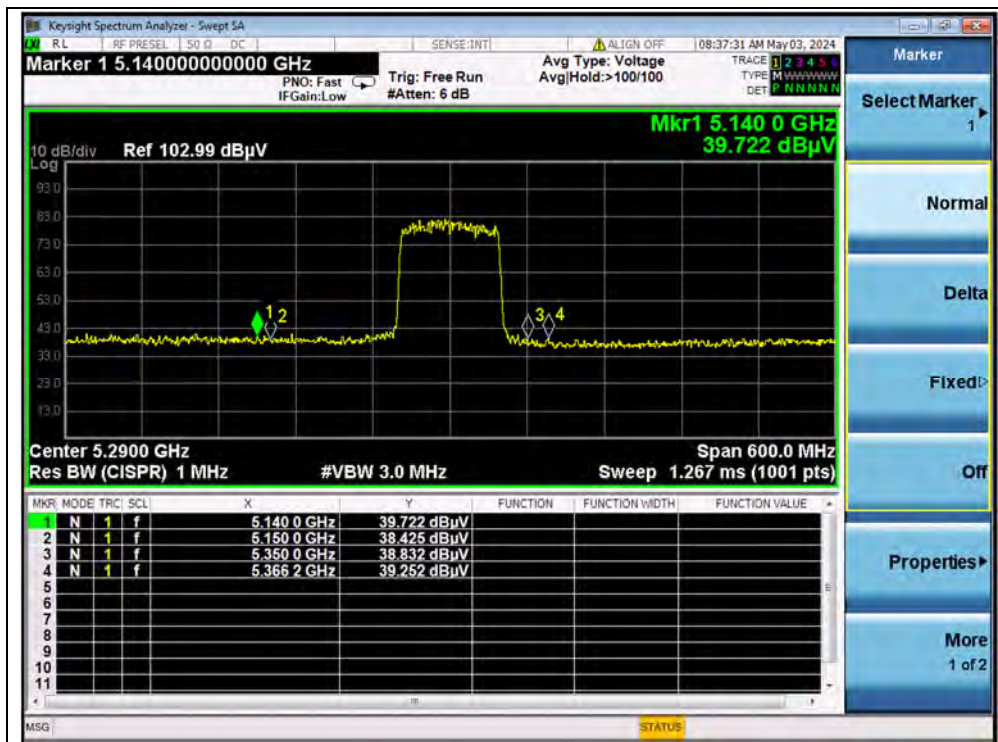
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
42	5141.00	PK	41.21	-19.54	32.20	53.87	74	PASS
42	5150.00	AV	32.83	-19.54	32.20	45.49	54	PASS
58	5366.20	PK	39.25	-18.80	32.20	52.65	74	PASS
58	5350.00	AV	31.24	-18.80	32.20	44.64	54	PASS
106	5465.87	PK	41.85	-19.20	32.20	54.85	68.23	PASS
106	5457.39	AV	32.37	-19.20	32.20	45.37	54	PASS
138	5808.12	PK	40.46	-19.20	32.20	53.46	68.23	PASS
155	5725.00	PK	45.78	-19.01	32.20	58.97	122.23	PASS
155	5855.00	PK	39.15	-19.01	32.20	52.34	110.83	PASS



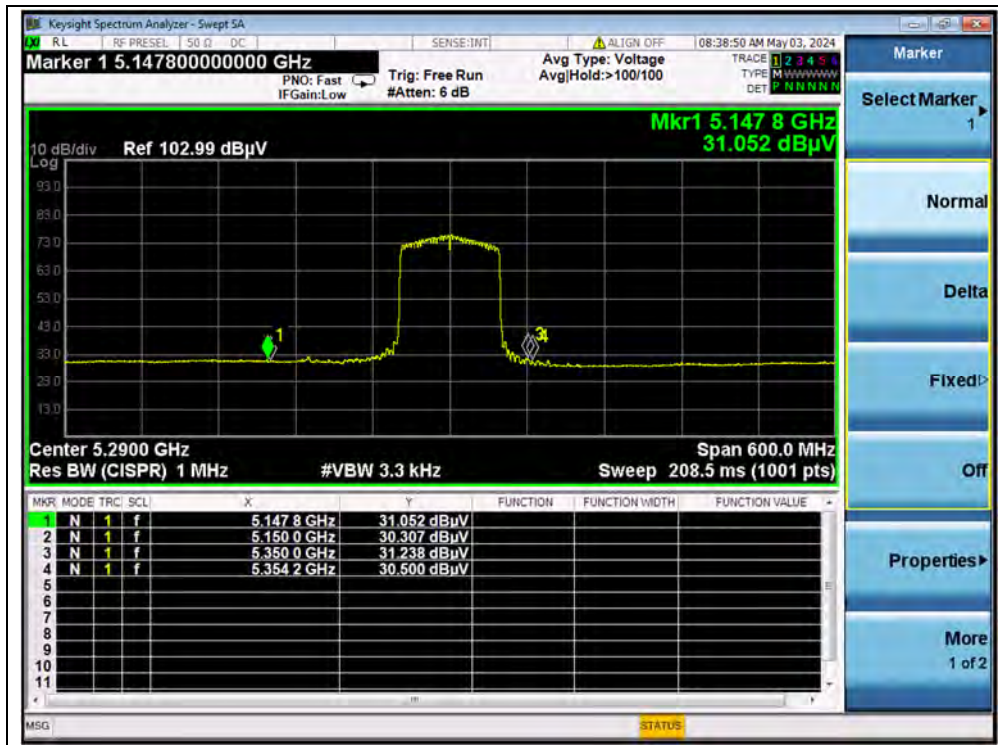
(PEAK, Channel 42, 802.11ac (VHT80))



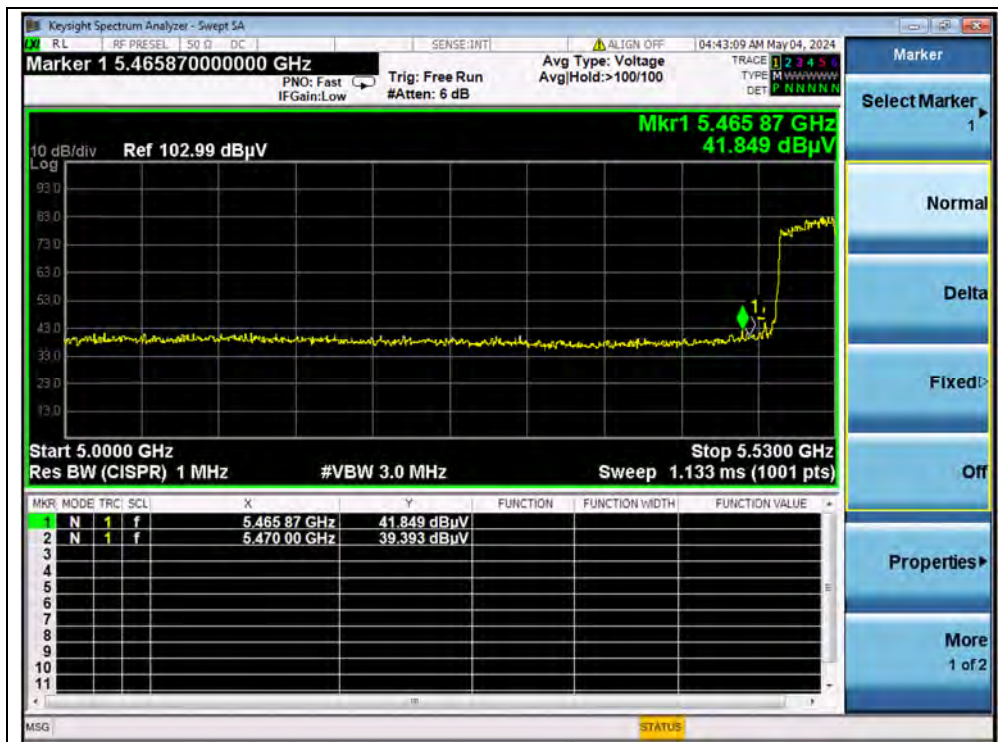
(AVERAGE, Channel 42, 802.11ac (VHT80))



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



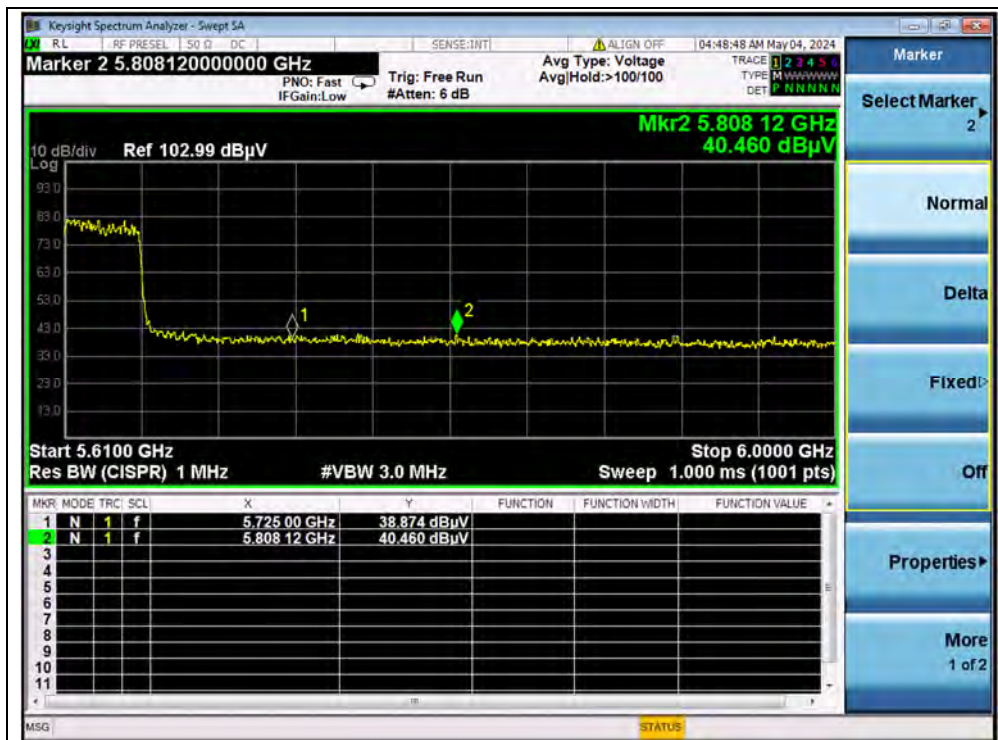
(AVERAGE, Channel 58, 802.11ac (VHT80))



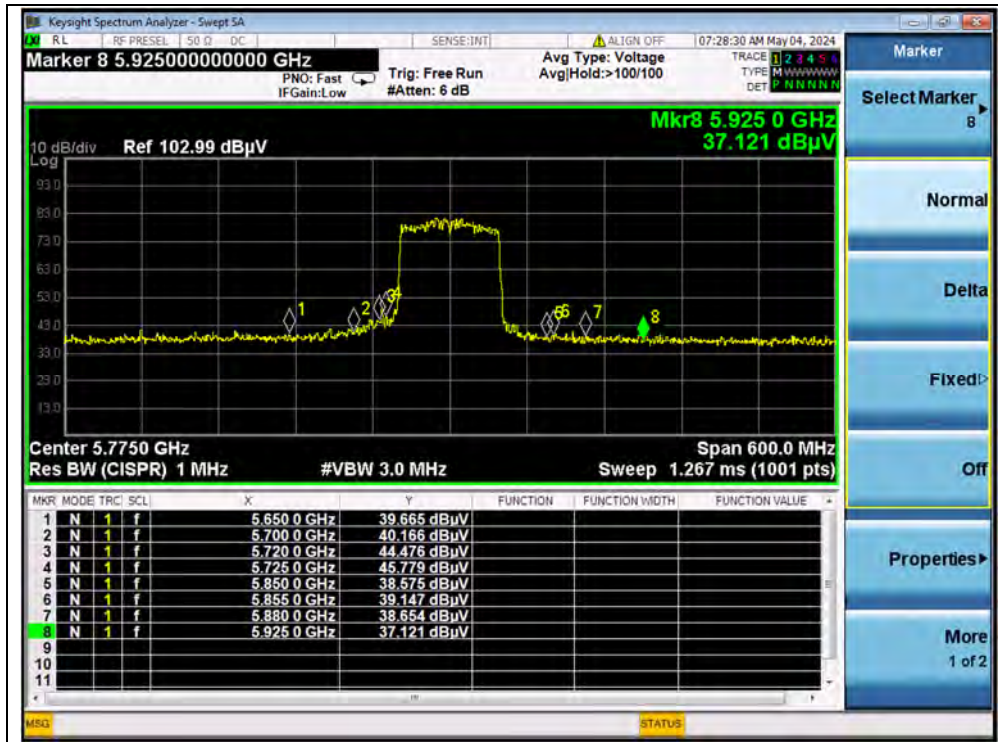
(PEAK, Channel 106, 802.11ac (VHT80))



(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:

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

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, 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.

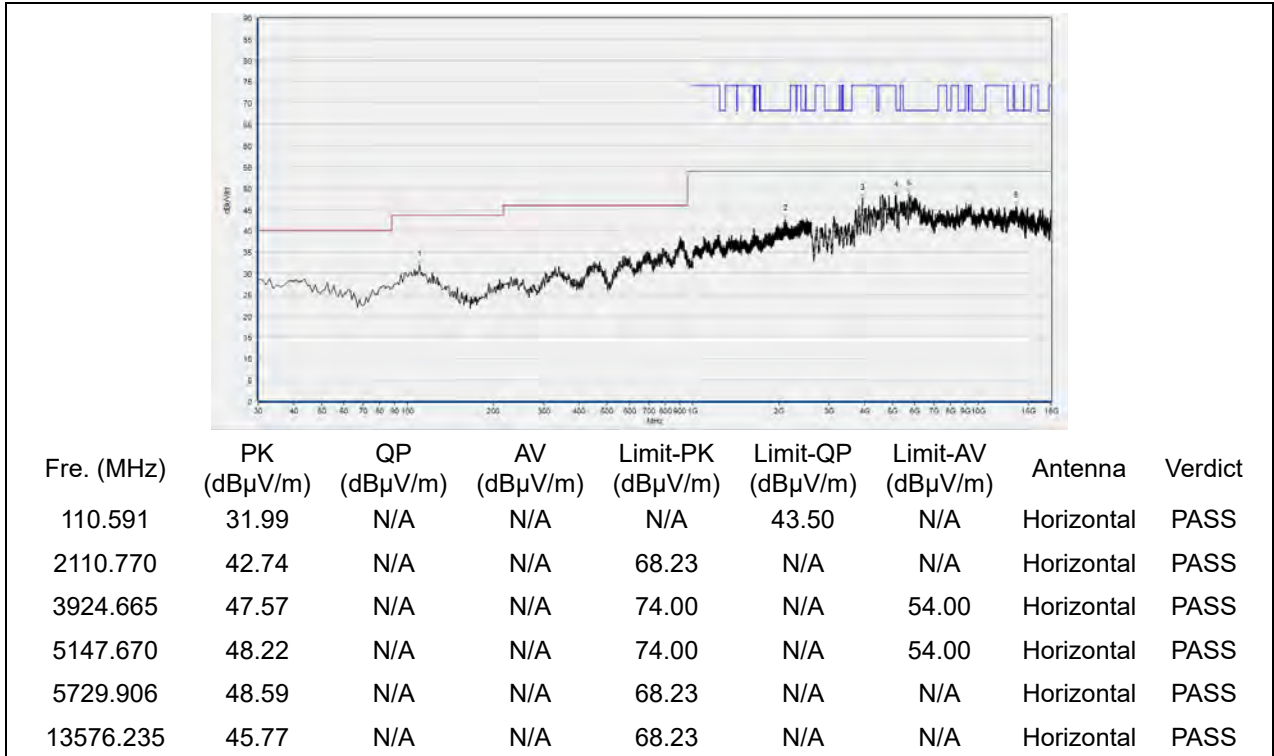
Field strength of fundamental:

Frequency (MHz)	Reading_Peak (dBμV/m)	Antenna Factor (dB)	Path Loss (dB)	Final_Peak (dBμV/m)	Antenna Polarity
5214.20	83.62	32.20	-19.54	96.28	Horizontal

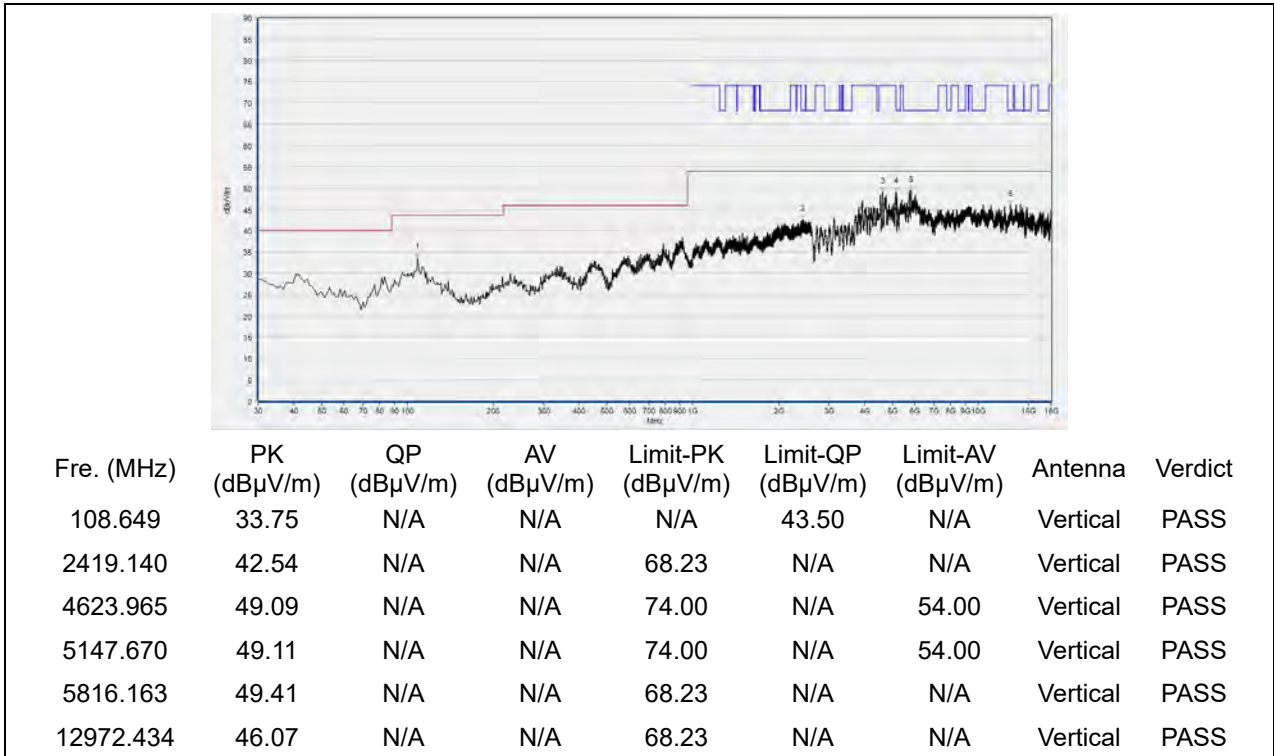
The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).

802.11a Mode

Plot for Channel 36

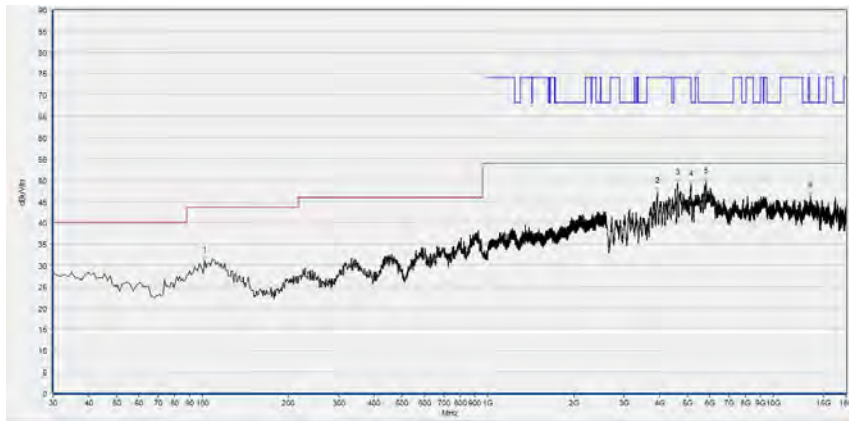


(Antenna Horizontal, 30MHz to 18GHz)



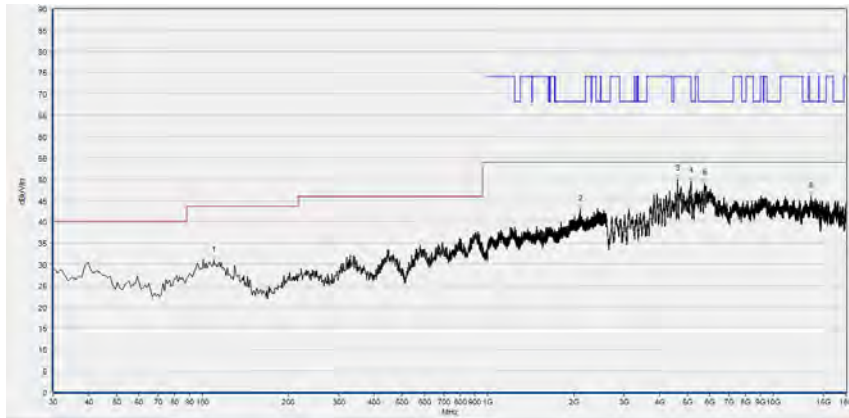
(Antenna Vertical, 30MHz to 18GHz)

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	31.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
3930.826	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4630.126	49.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5144.589	48.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5816.163	49.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13471.494	46.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

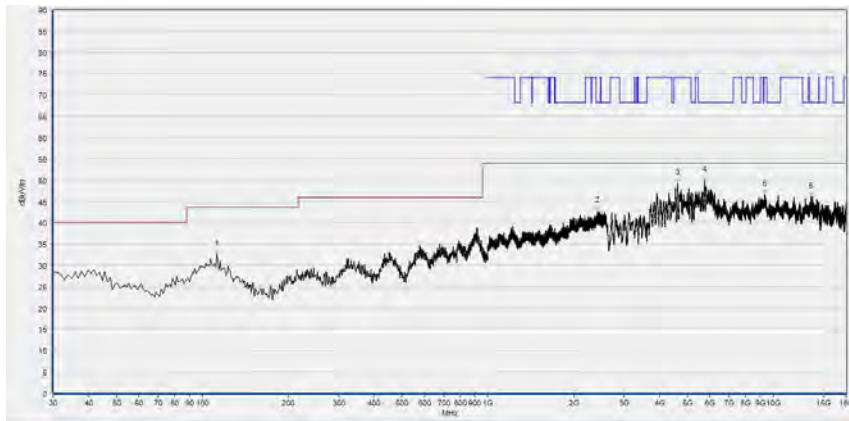
(Antenna Horizontal, 30MHz to 18GHz)



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	30.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2107.036	42.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4620.884	49.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5150.750	49.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5736.067	48.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13570.074	45.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

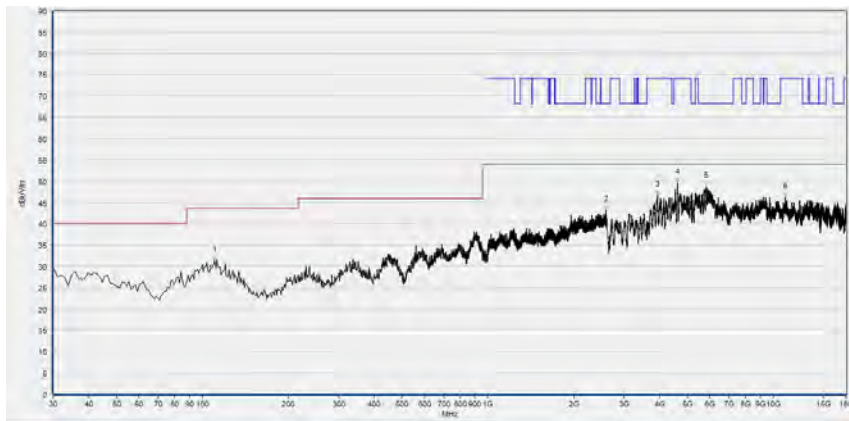
(Antenna Vertical, 30MHz to 18GHz)

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	32.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2427.142	42.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4627.045	49.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5736.067	49.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9324.985	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13566.993	46.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

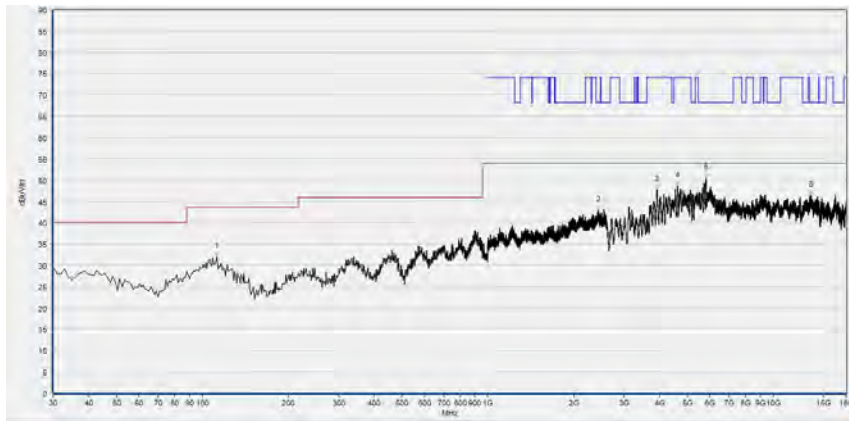
(Antenna Horizontal, 30MHz to 18GHz)



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
110.591	31.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2590.930	43.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3927.746	46.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	49.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5813.083	48.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11019.324	46.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

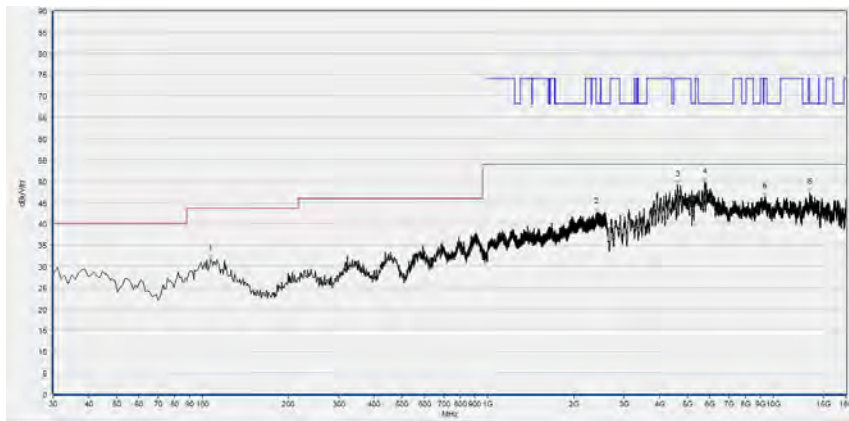
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	32.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2432.477	42.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3912.342	47.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4617.804	48.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	50.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13563.913	46.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

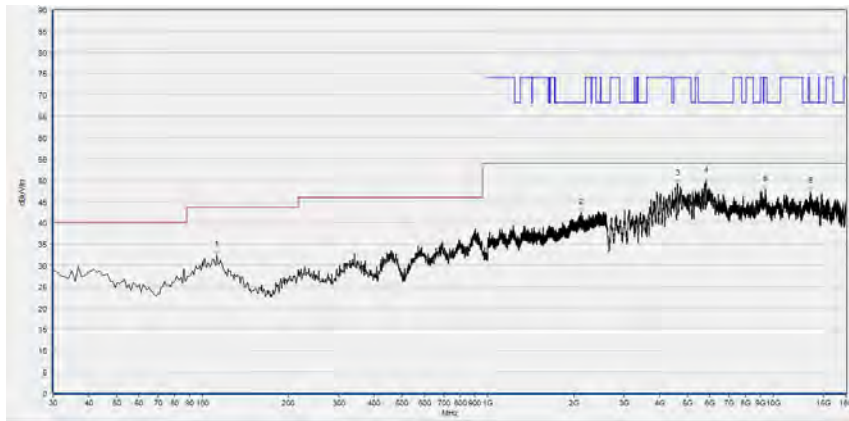
(Antenna Horizontal, 30MHz to 18GHz)



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	31.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2403.668	42.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	49.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5736.067	49.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9346.549	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13443.769	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

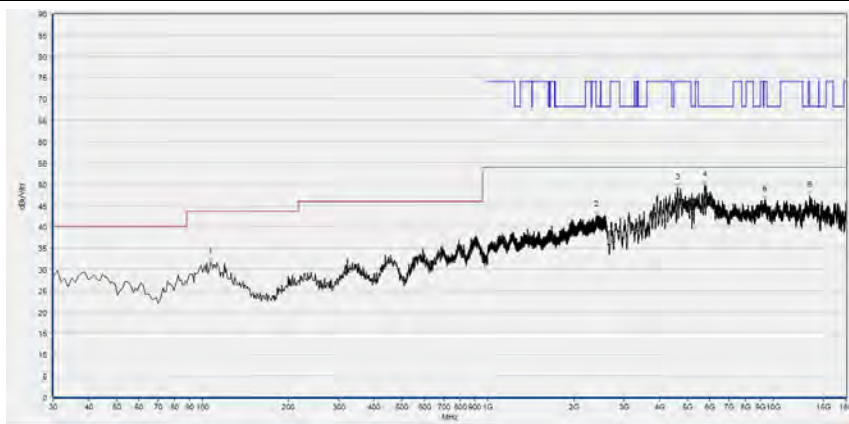
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	32.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2126.242	42.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4614.723	49.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5813.083	49.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9383.517	47.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13471.494	47.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

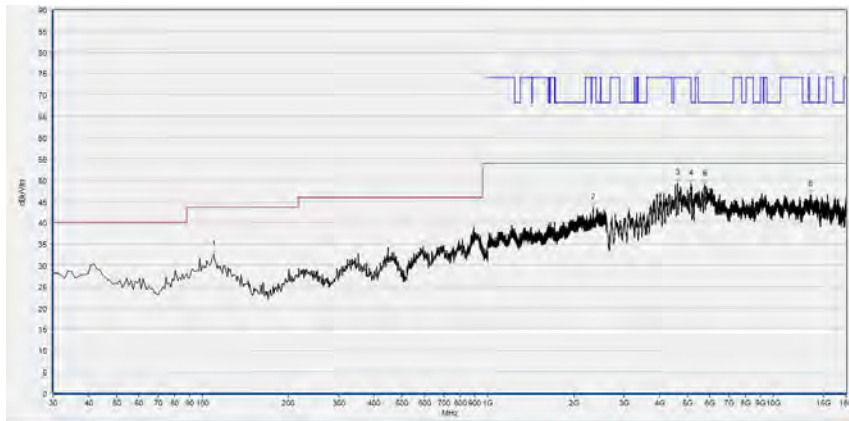
(Antenna Horizontal, 30MHz to 18GHz)



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	31.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2403.668	42.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	49.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5736.067	49.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9346.549	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13443.769	47.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

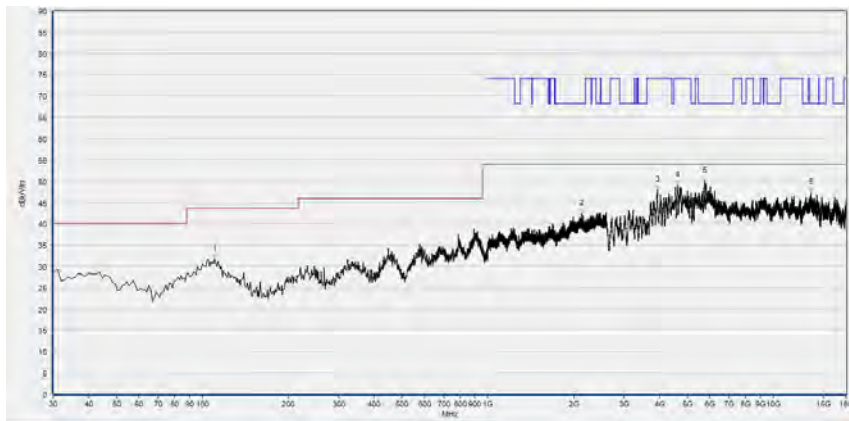
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	32.51	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2339.647	43.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4623.965	49.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5147.670	49.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5742.228	49.02	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13489.978	46.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

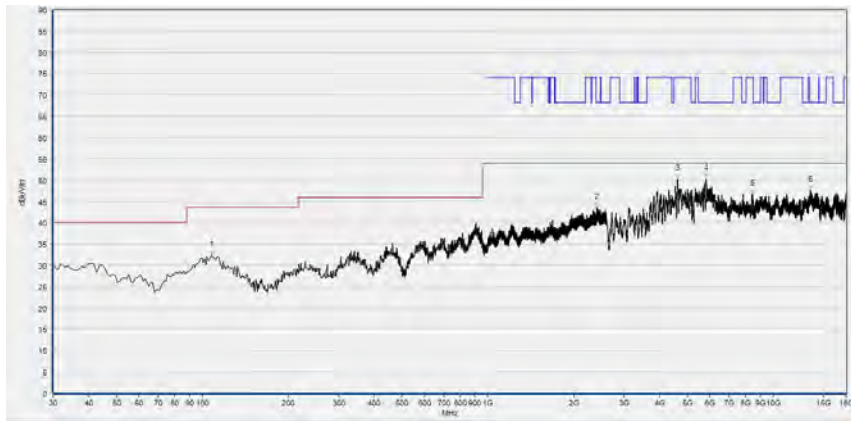
(Antenna Horizontal, 30MHz to 18GHz)



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	31.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2134.245	42.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3924.665	47.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	48.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5742.228	49.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13570.074	47.24	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

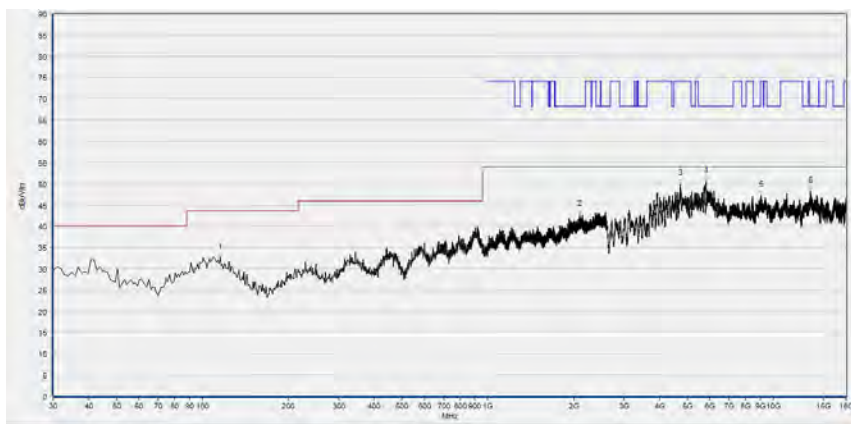
(Antenna Vertical, 30MHz to 18GHz)

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
107.678	32.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2405.268	43.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4617.804	50.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5825.405	50.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8447.009	46.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13474.575	47.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

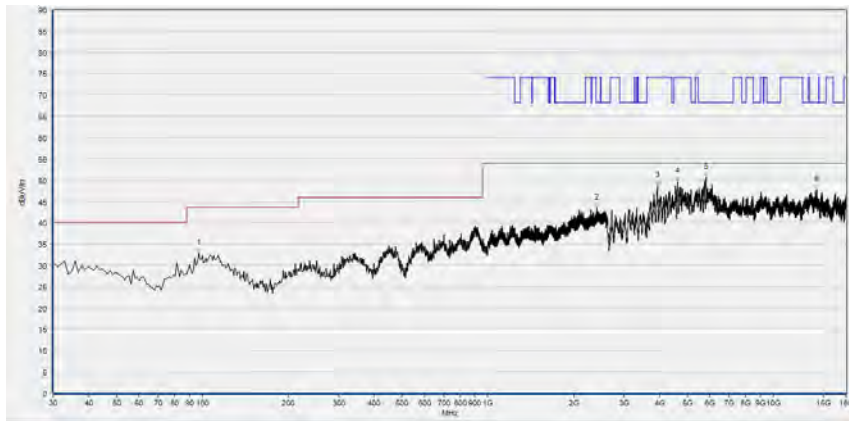
(Antenna Horizontal, 30MHz to 18GHz)



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
115.445	32.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2098.499	42.81	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4728.706	49.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5816.163	50.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9084.697	47.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13474.575	48.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

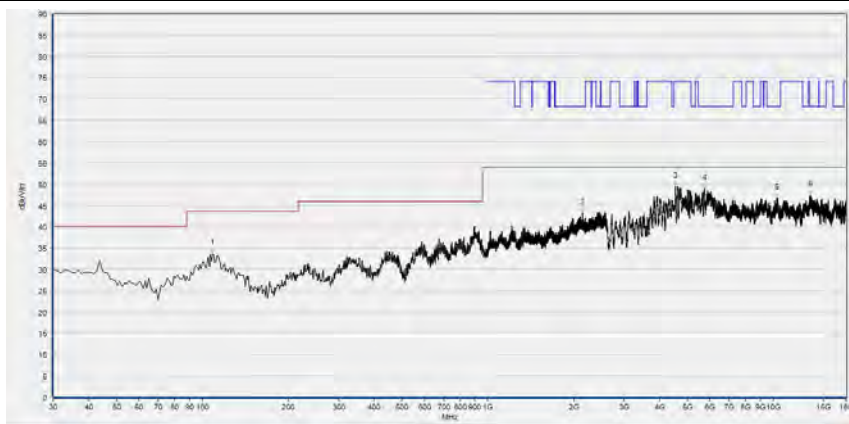
(Antenna Vertical, 30MHz to 18GHz)

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
96.997	32.83	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2414.872	43.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3927.746	48.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4627.045	49.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5822.324	50.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14223.165	47.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

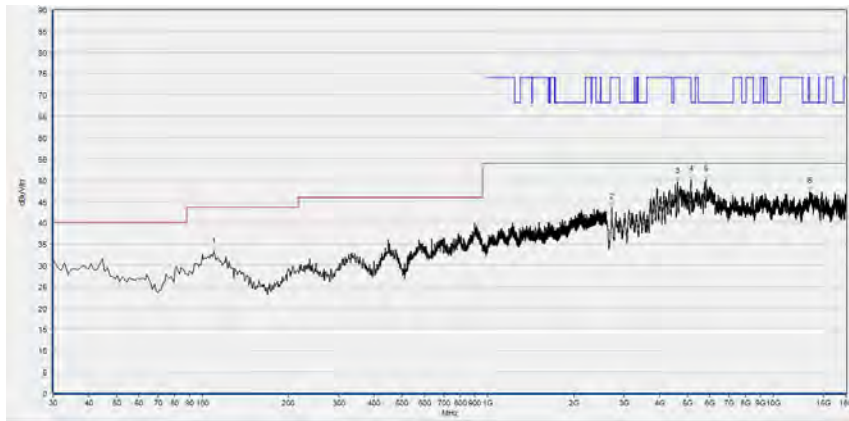
(Antenna Horizontal, 30MHz to 18GHz)



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	33.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2151.317	43.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4546.949	49.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5742.228	48.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10270.734	46.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13468.414	47.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

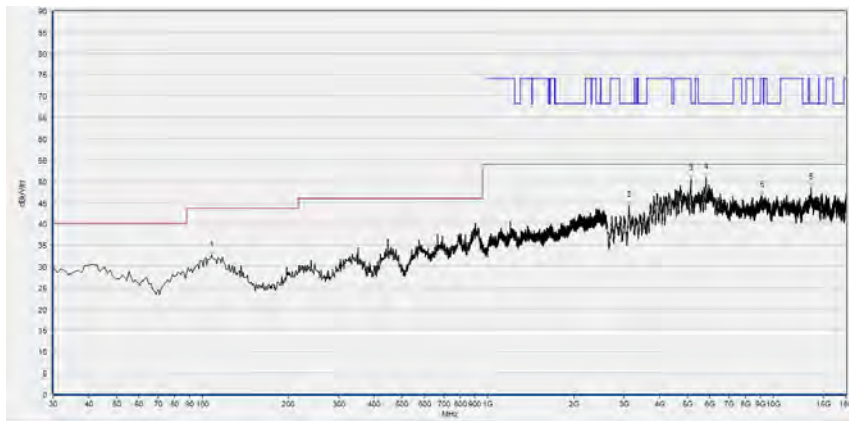
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	33.19	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2720.144	43.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4627.045	49.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5150.750	50.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5816.163	50.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13406.801	47.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

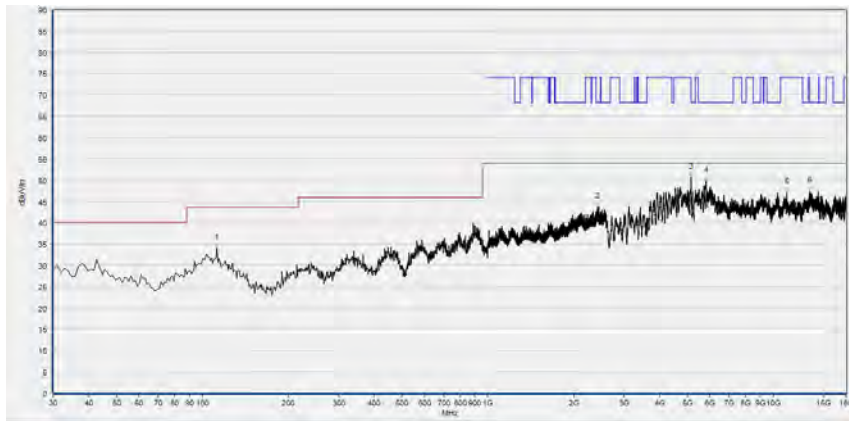
(Antenna Horizontal, 30MHz to 18GHz)



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
107.678	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
3117.544	44.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5150.750	50.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5819.244	50.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9093.939	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13548.510	48.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

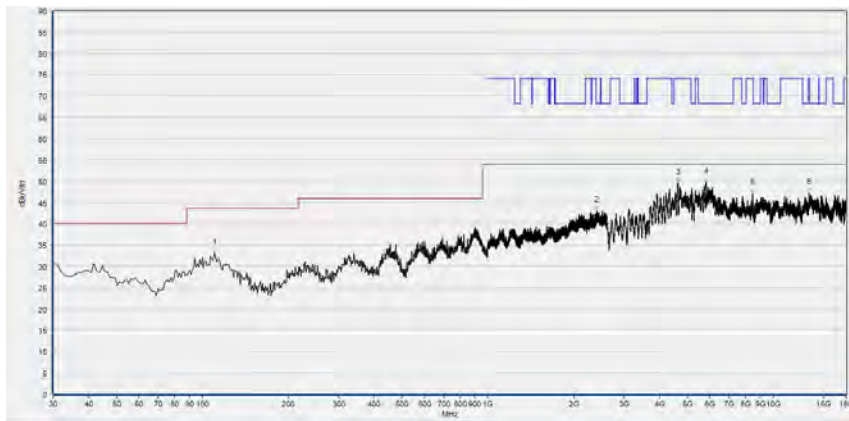
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	33.97	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2418.073	43.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5147.670	50.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5822.324	49.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11145.629	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13453.011	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

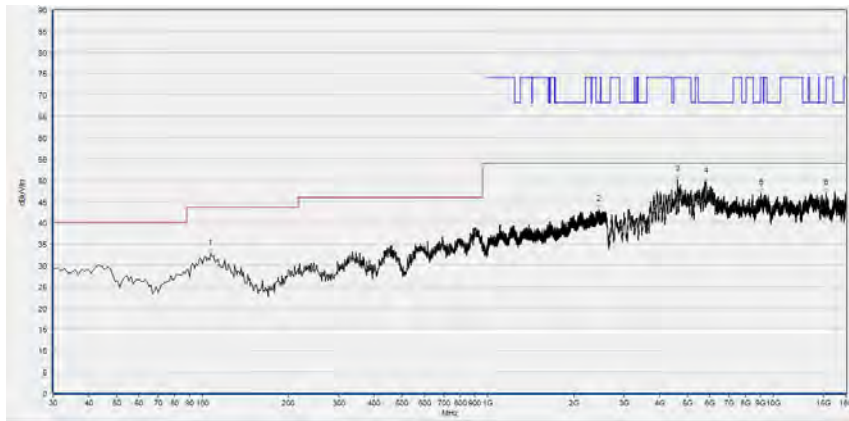
(Antenna Horizontal, 30MHz to 18GHz)



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	33.13	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2411.671	43.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4633.207	49.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5825.405	49.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8474.735	47.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13345.189	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

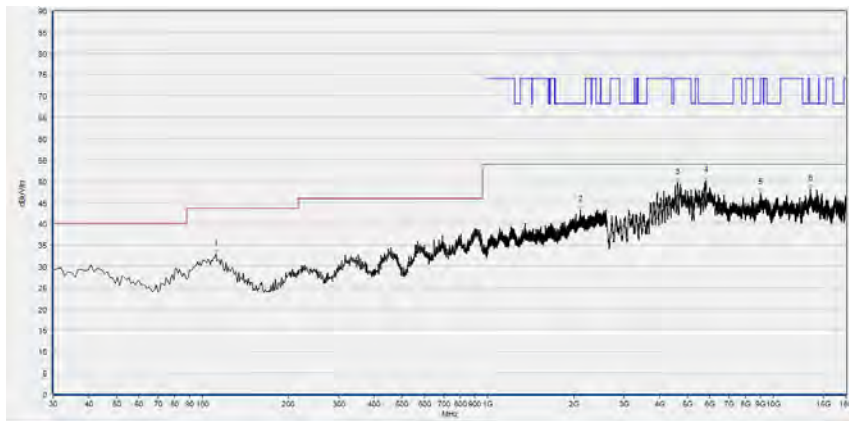
(Antenna Vertical, 30MHz to 18GHz)

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
106.707	32.73	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2446.882	43.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4627.045	50.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5816.163	49.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9069.294	46.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15350.670	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

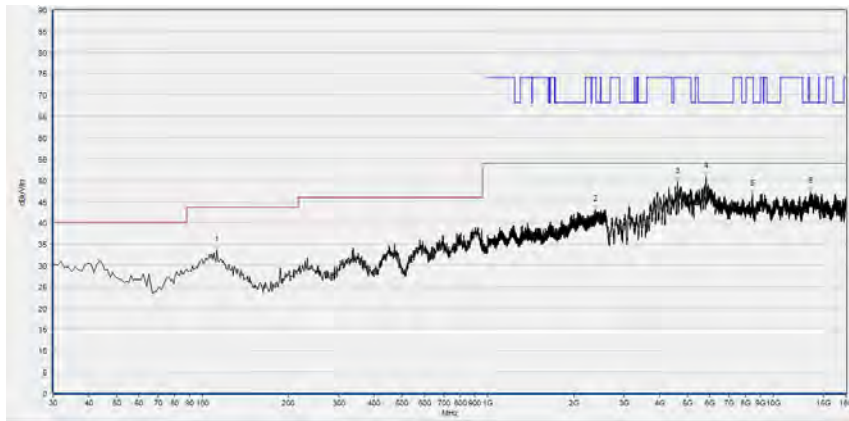
(Antenna Horizontal, 30MHz to 18GHz)



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	32.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2114.505	43.25	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	49.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5825.405	50.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9016.923	47.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13456.091	48.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

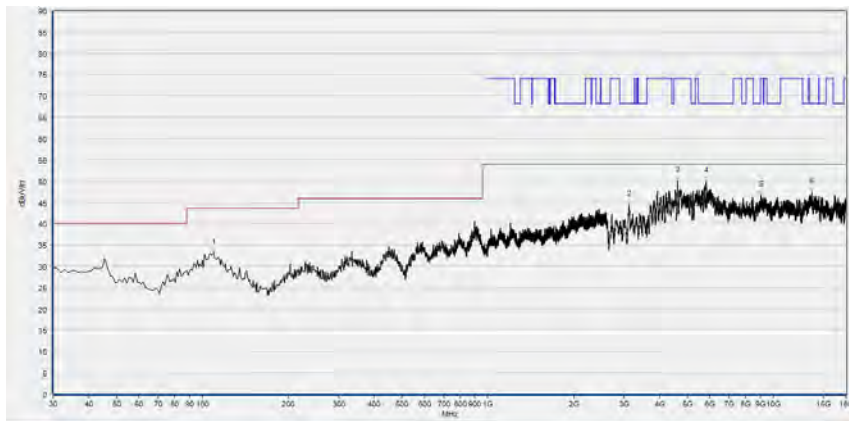
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	33.57	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2386.062	43.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4623.965	49.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	50.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8468.574	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13456.091	47.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



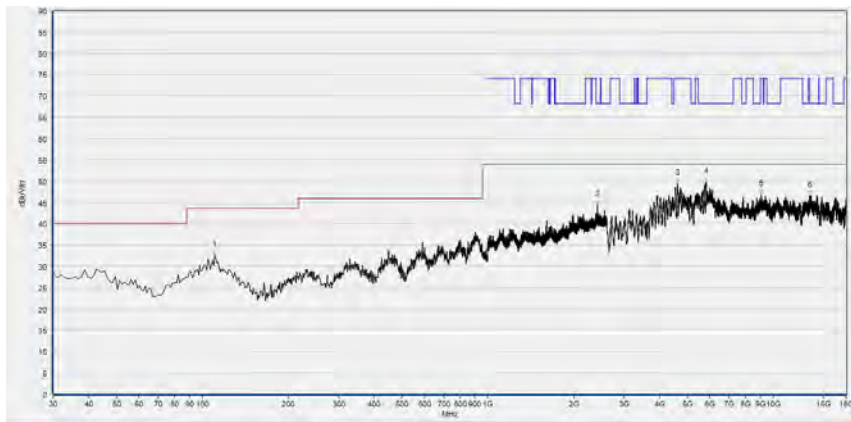
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	33.25	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
3129.866	44.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	50.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5831.566	49.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9087.778	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13616.283	47.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



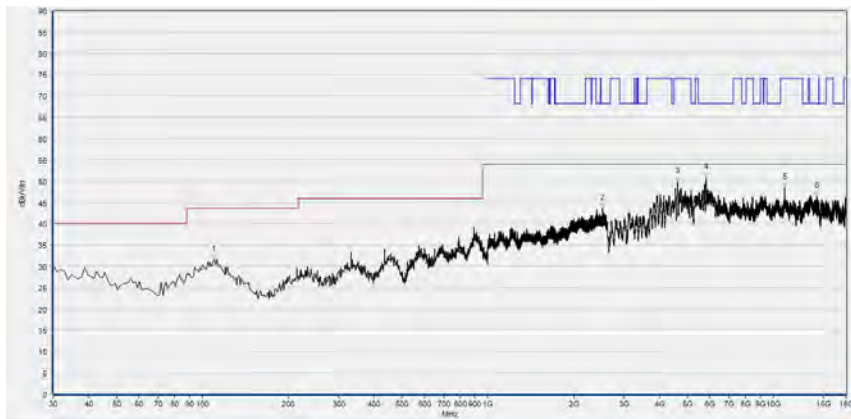
802.11n (HT40) mode

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
110.591	32.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2418.606	44.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4620.884	49.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	49.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9090.858	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13453.011	46.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

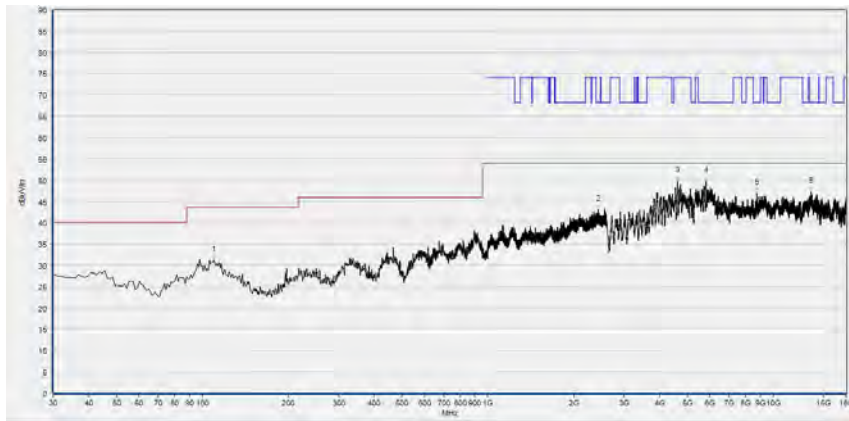
(Antenna Horizontal, 30MHz to 18GHz)



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	31.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2520.507	43.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4620.884	49.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5822.324	50.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10970.034	48.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14183.117	46.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

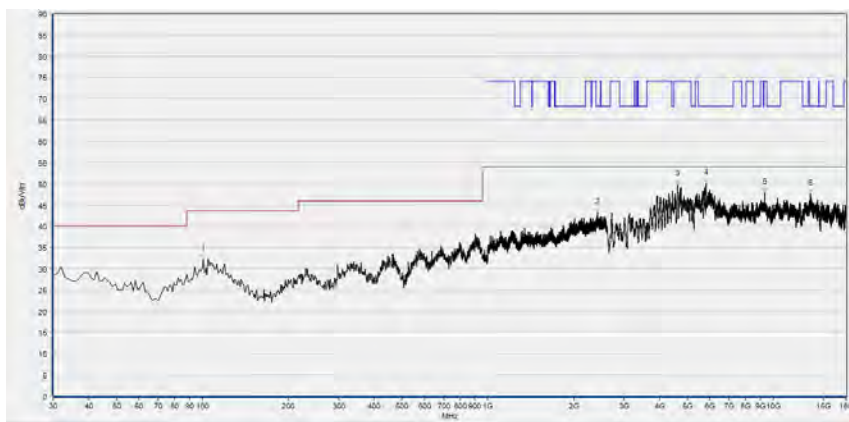
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	31.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2436.746	43.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4623.965	49.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5822.324	49.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8767.393	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13597.800	47.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

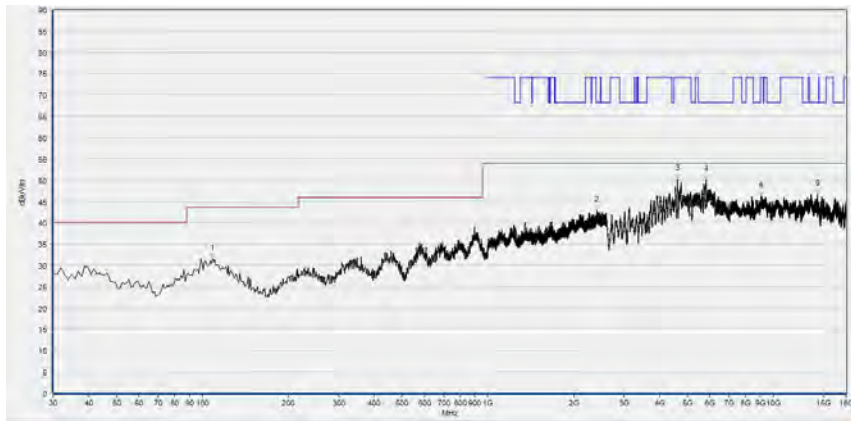
(Antenna Horizontal, 30MHz to 18GHz)



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	32.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2423.941	43.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	49.79	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5819.244	50.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9328.066	47.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13474.575	47.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

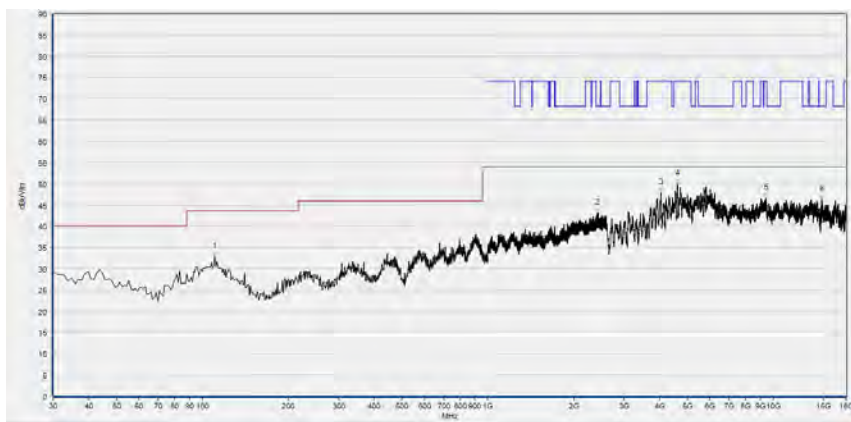
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	31.57	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2407.402	42.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4620.884	50.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	50.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9069.294	46.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14266.293	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

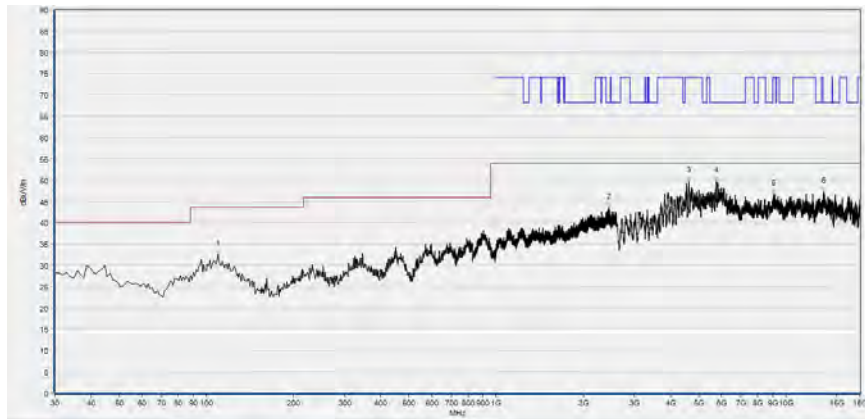
(Antenna Horizontal, 30MHz to 18GHz)



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	32.77	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2418.073	43.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4035.567	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4620.884	49.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9429.726	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14826.965	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

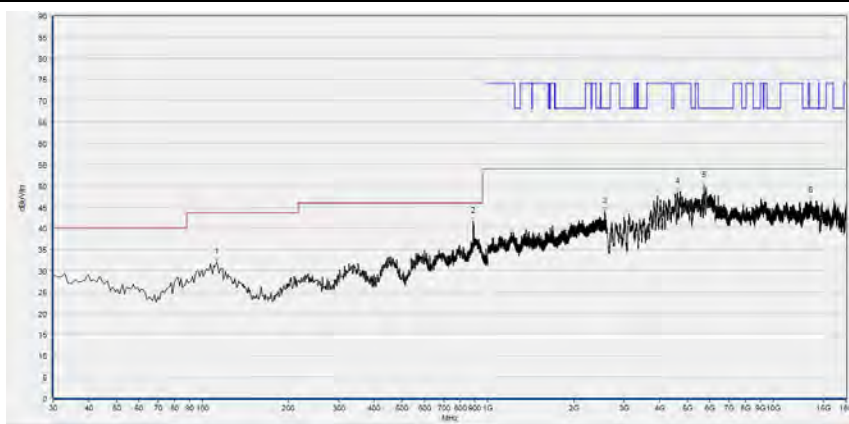
(Antenna Vertical, 30MHz to 18GHz)

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	32.59	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2443.681	43.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4630.126	49.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5739.148	49.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9087.778	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13459.172	47.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

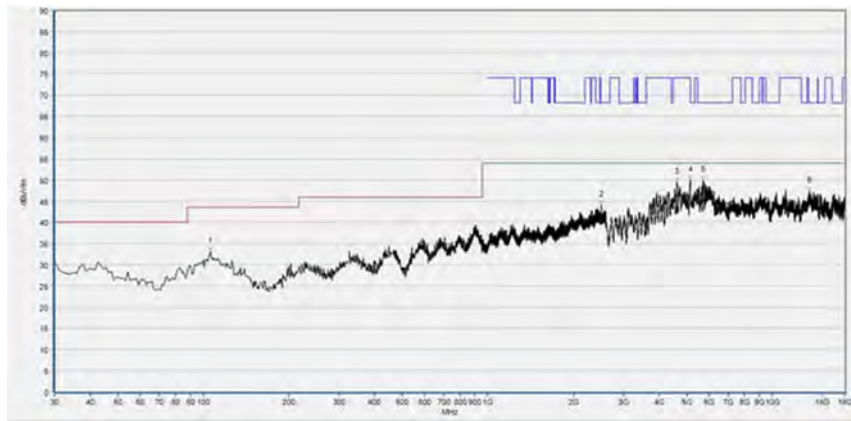
(Antenna Horizontal, 30MHz to 18GHz)



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	32.05	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
889.309	41.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2566.389	43.99	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	48.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5732.987	49.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13471.494	46.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

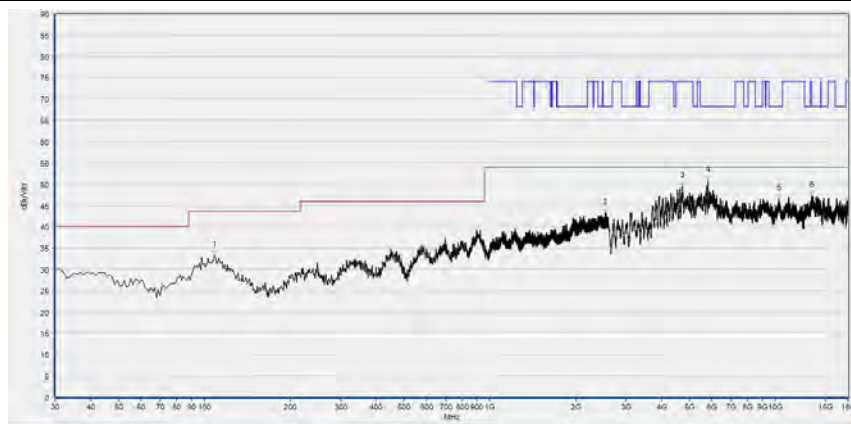
(Antenna Vertical, 30MHz to 18GHz)

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
105.736	33.22	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2510.904	44.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4617.804	49.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5147.670	49.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5729.906	49.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13465.333	47.36	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

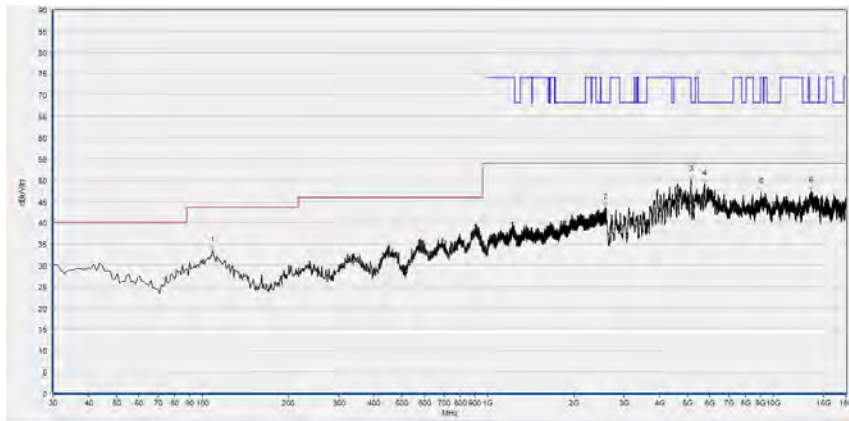
(Antenna Horizontal, 30MHz to 18GHz)



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
108.649	33.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2543.448	43.31	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4734.867	49.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5819.244	50.85	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10283.057	46.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13453.011	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

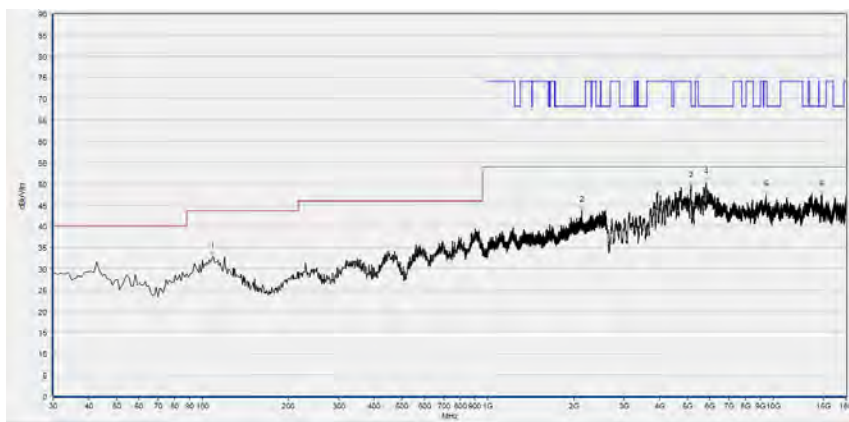
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	33.47	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2579.727	43.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5156.911	50.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5736.067	49.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9081.616	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13597.800	47.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

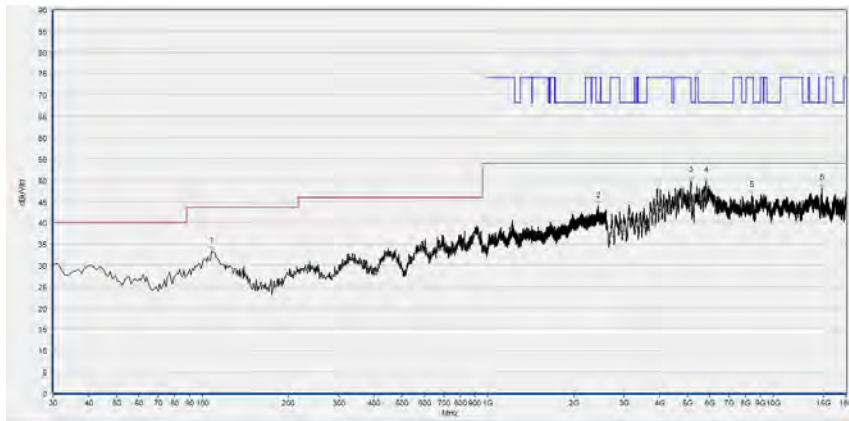
(Antenna Horizontal, 30MHz to 18GHz)



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
108.649	32.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2136.379	43.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5153.831	49.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5831.566	50.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9414.323	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14765.353	47.43	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

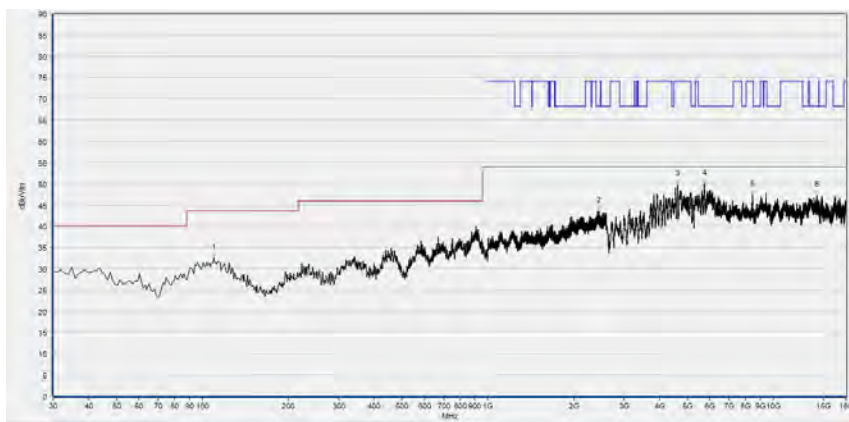
(Antenna Vertical, 30MHz to 18GHz)

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
107.678	33.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2433.011	43.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5156.911	49.84	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5822.324	49.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8419.284	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14805.401	48.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

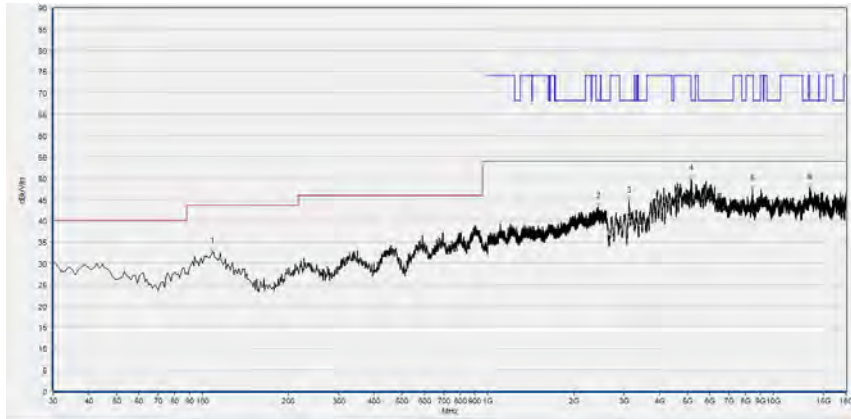
(Antenna Horizontal, 30MHz to 18GHz)



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
109.620	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2455.952	43.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4630.126	49.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5739.148	49.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8459.332	47.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14176.955	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

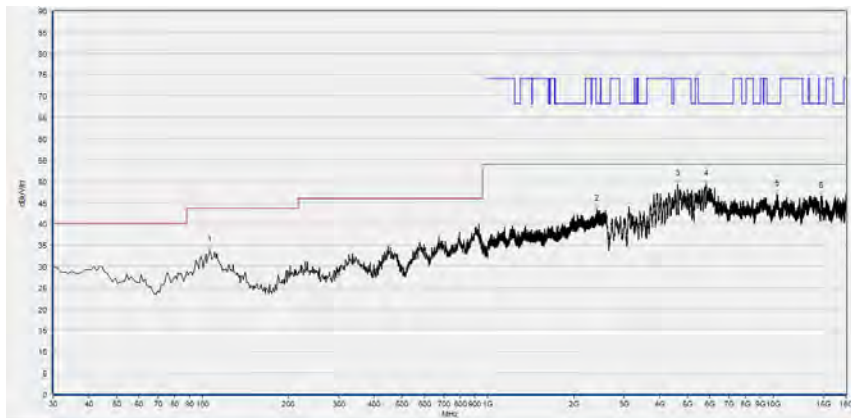
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	32.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2441.014	43.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3123.705	44.61	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5147.670	49.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8456.251	47.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13419.124	47.73	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

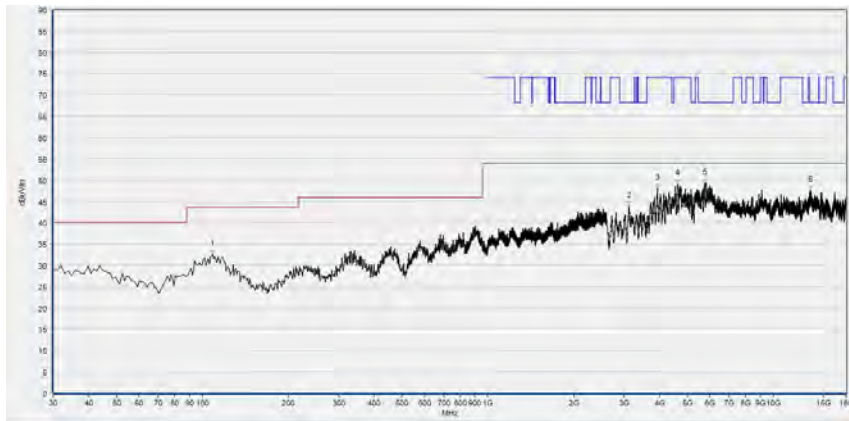
(Antenna Horizontal, 30MHz to 18GHz)



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	33.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2404.735	43.36	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4630.126	49.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5831.566	49.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10283.057	46.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14725.305	46.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

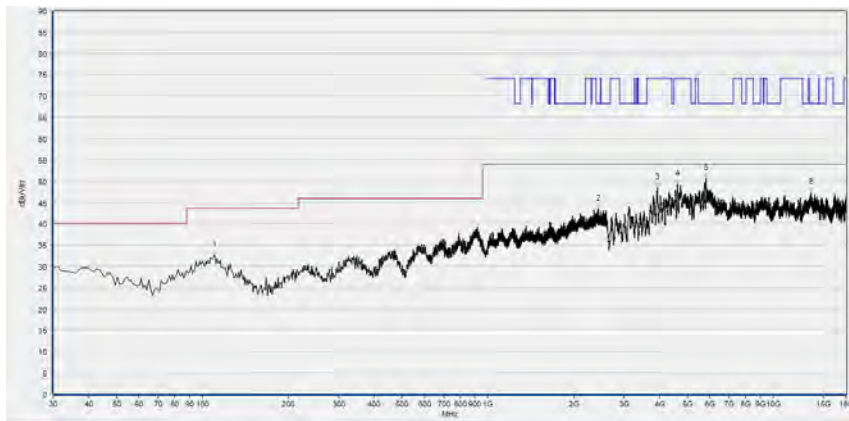
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	32.52	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
3120.624	43.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3927.746	48.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4627.045	49.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5739.148	49.31	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13493.059	47.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



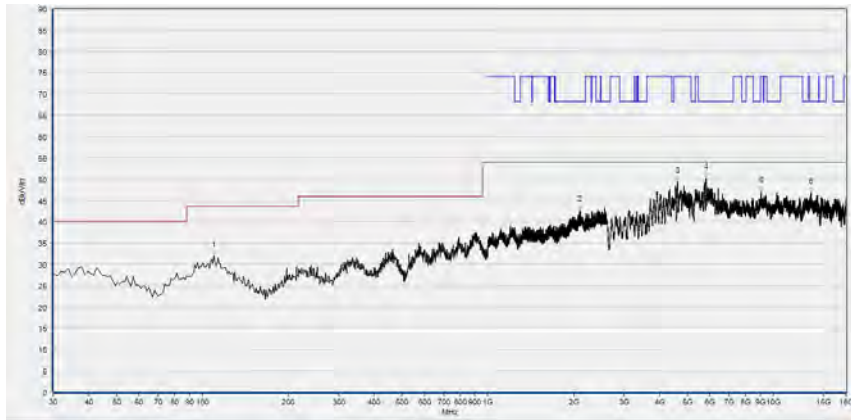
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.591	32.59	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2440.480	43.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3927.746	48.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	49.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5819.244	50.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13563.913	47.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



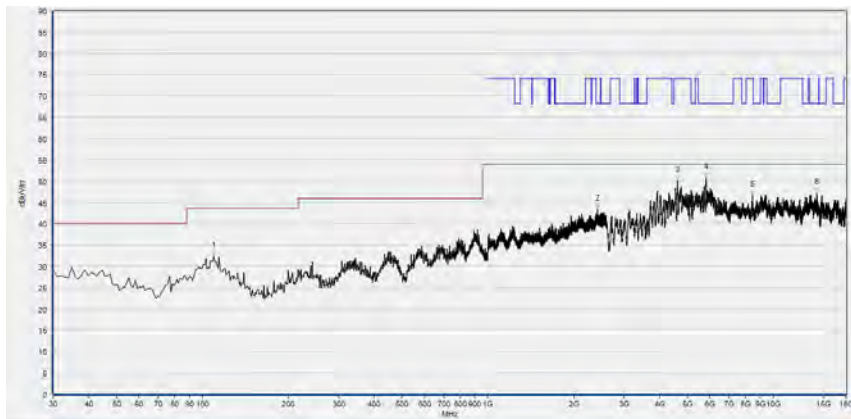
802.11ac (VHT80) Mode

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	31.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2097.432	42.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4614.723	49.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5822.324	50.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9090.858	47.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13579.316	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

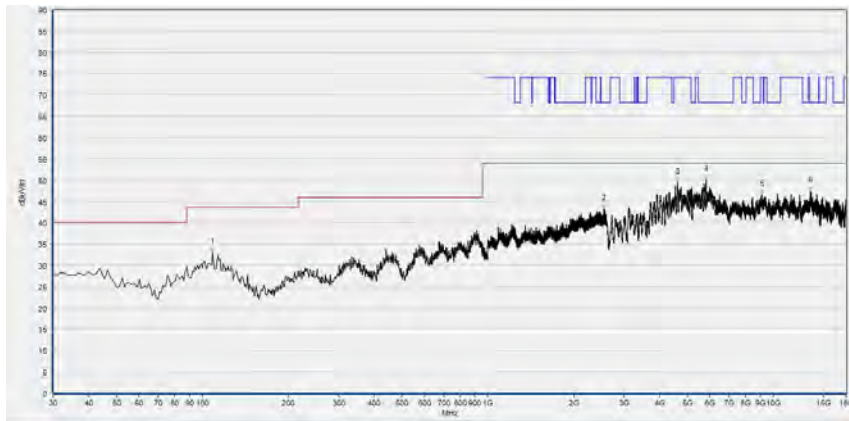
(Antenna Horizontal, 30MHz to 18GHz)



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	32.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2419.673	43.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	50.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5822.324	50.86	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8456.251	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14241.648	47.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

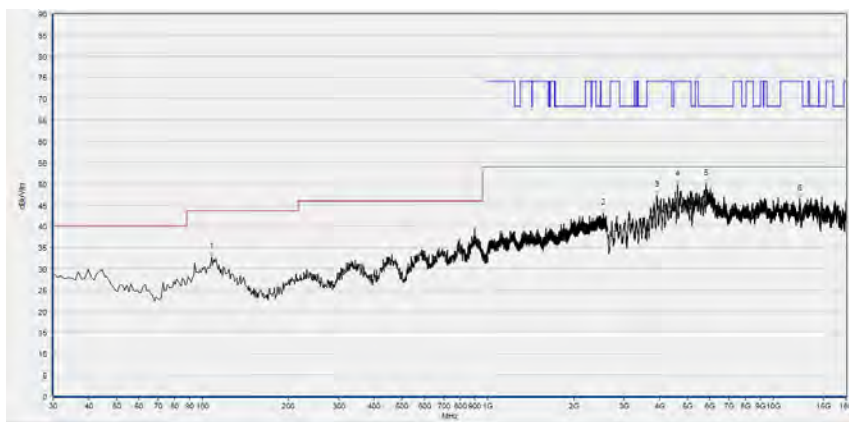
(Antenna Vertical, 30MHz to 18GHz)

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
108.649	33.07	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2549.850	43.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4620.884	49.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5828.486	50.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9109.342	46.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13505.381	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

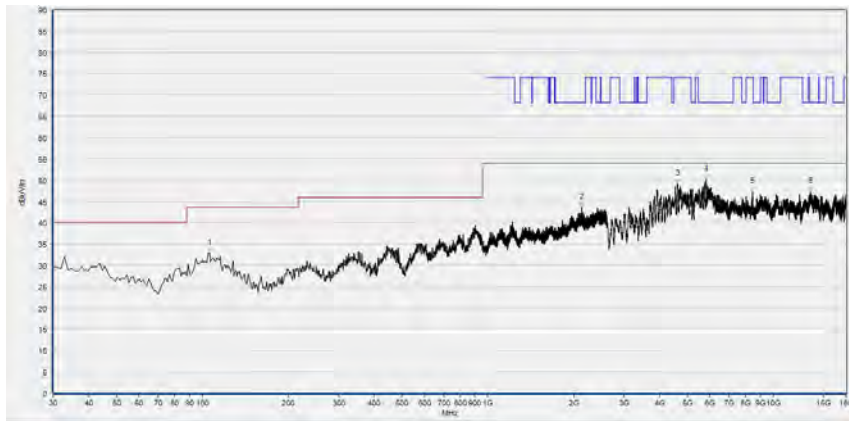
(Antenna Horizontal, 30MHz to 18GHz)



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	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2531.177	43.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3906.181	47.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	49.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5822.324	49.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12399.440	46.46	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

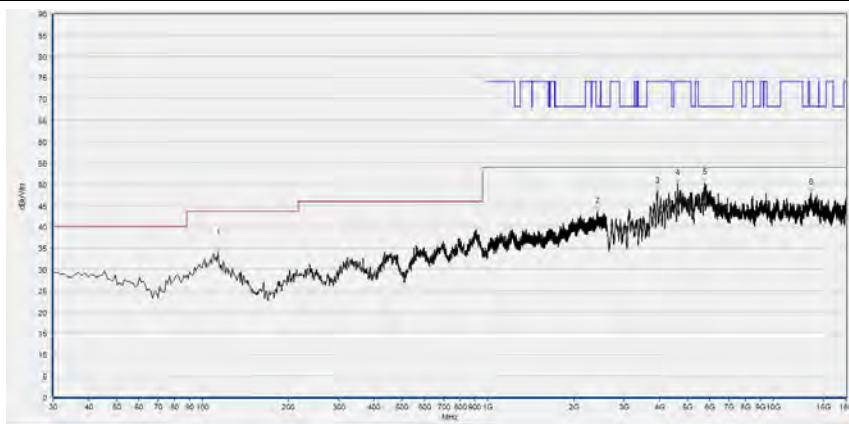
(Antenna Vertical, 30MHz to 18GHz)

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
105.736	32.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2136.912	43.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4620.884	49.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5825.405	50.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8450.090	47.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13505.381	47.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

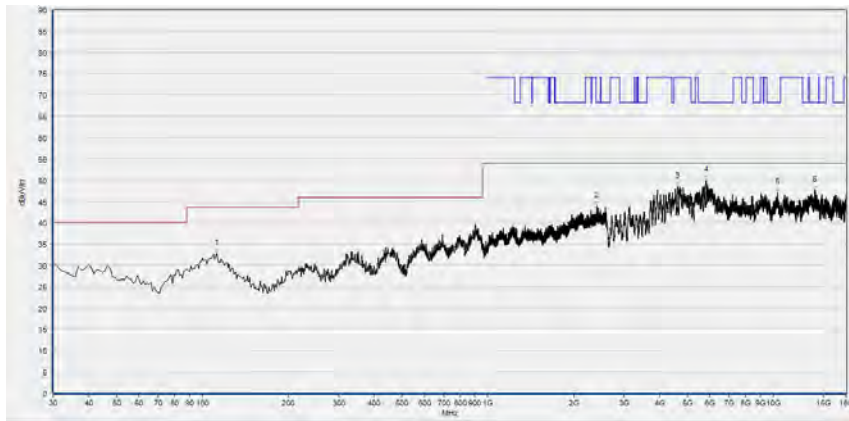
(Antenna Horizontal, 30MHz to 18GHz)



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
113.504	33.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2424.475	43.63	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3924.665	48.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4627.045	50.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5745.309	50.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13570.074	47.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

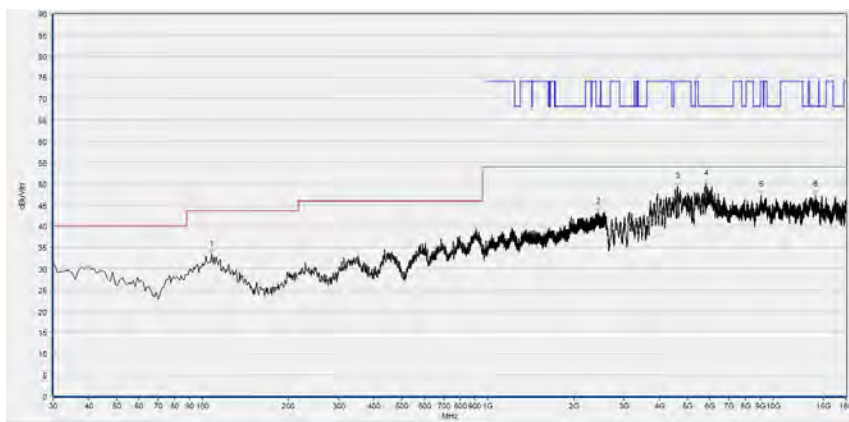
(Antenna Vertical, 30MHz to 18GHz)

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
112.533	32.74	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2402.601	43.96	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4623.965	48.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5822.324	49.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10332.346	47.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13945.909	47.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

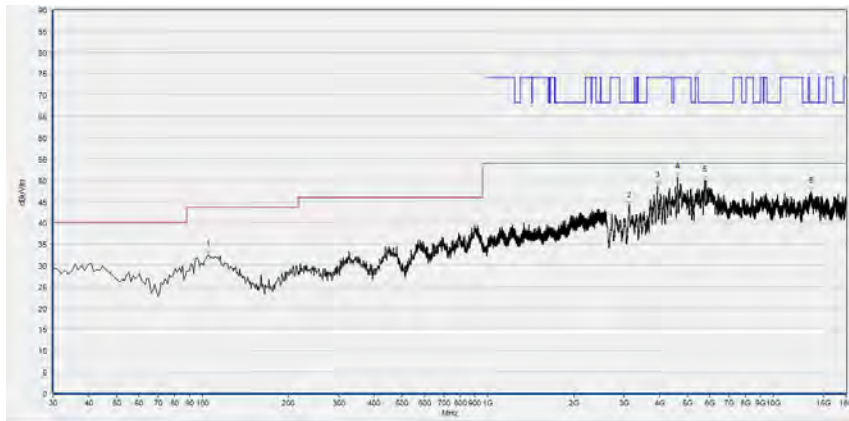
(Antenna Horizontal, 30MHz to 18GHz)



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	33.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2431.410	43.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4620.884	49.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5819.244	49.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9066.213	47.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14022.925	47.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

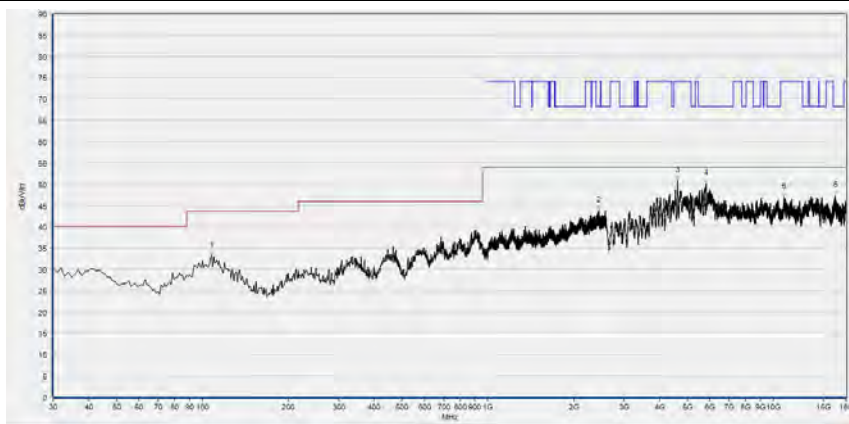
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
3126.785	43.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3924.665	48.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4623.965	50.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5739.148	49.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13563.913	47.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

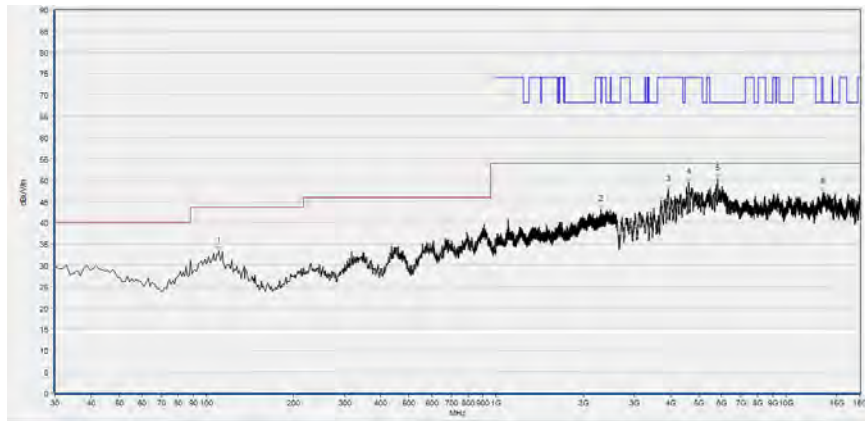


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
107.678	33.20	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2450.617	43.82	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4623.965	50.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5822.324	50.14	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10933.067	46.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16468.934	47.32	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

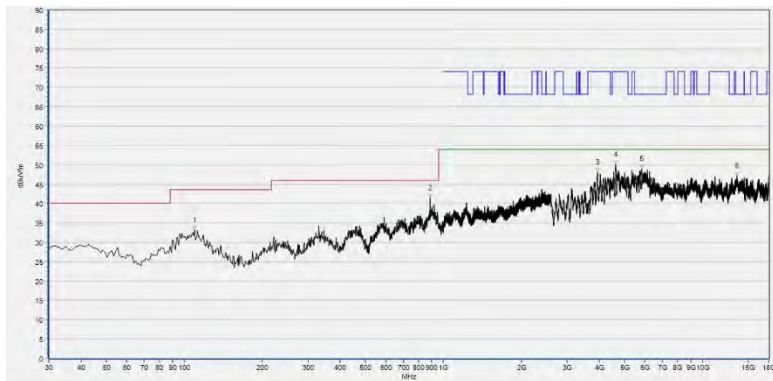


Plot for Channel 155



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	Horizontal	PASS
2296.966	43.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3930.826	47.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4623.965	49.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5819.244	50.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
13440.688	47.10	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	33.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
889.309	41.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3927.746	48.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4623.965	50.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5828.486	48.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13603.961	47.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————