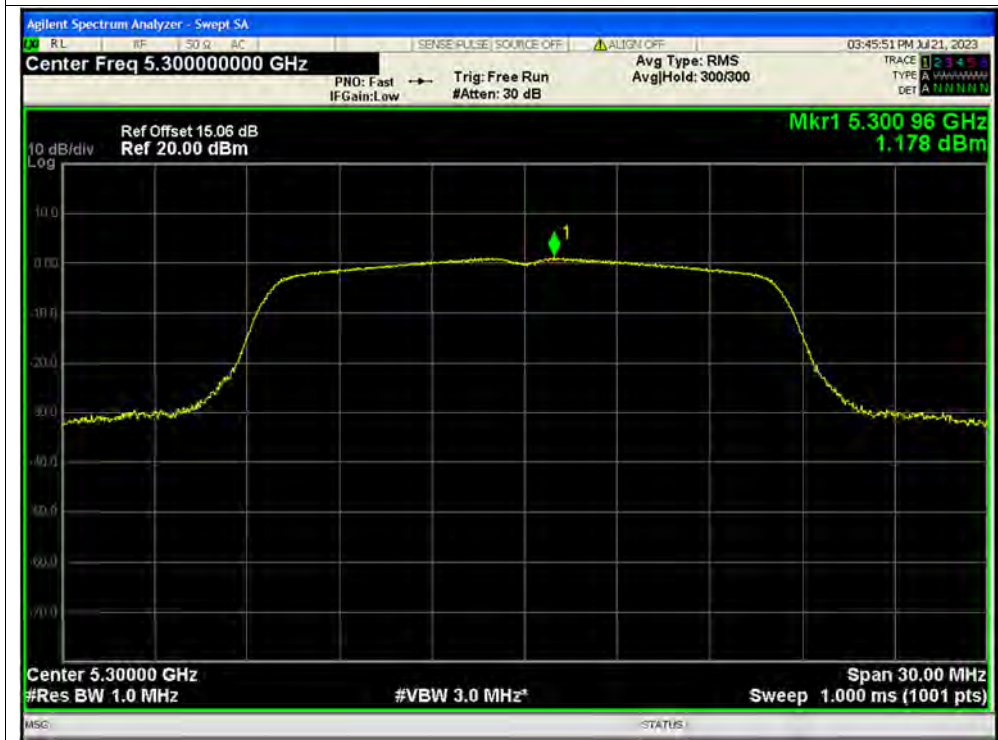




PSD NVNT a 5300MHz Ant1

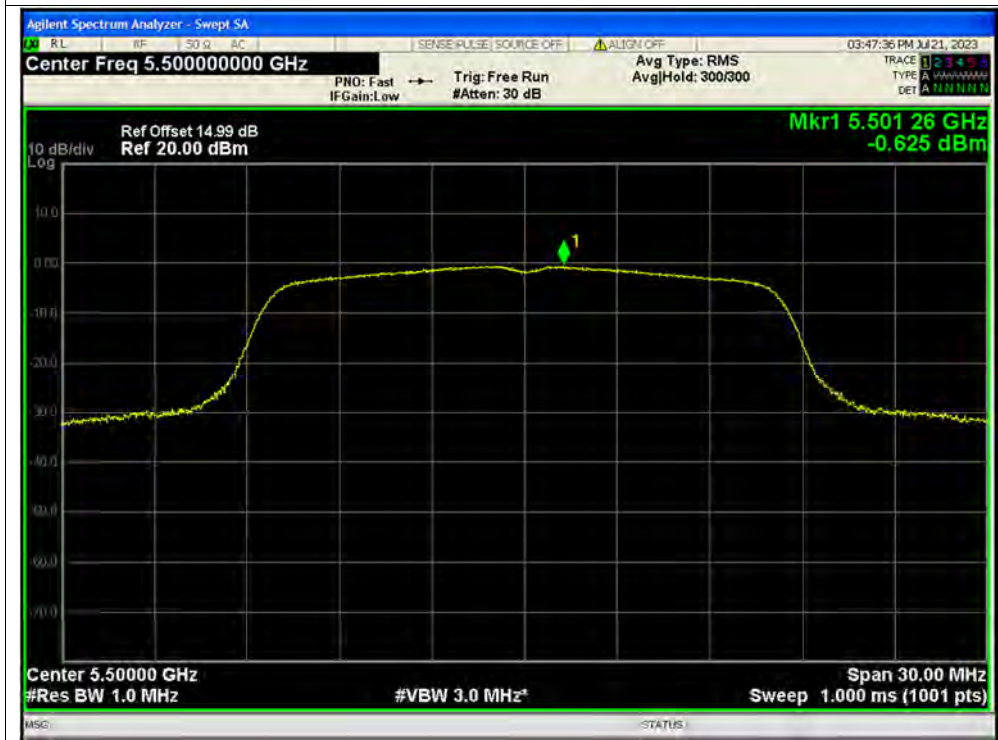


PSD NVNT a 5320MHz Ant1





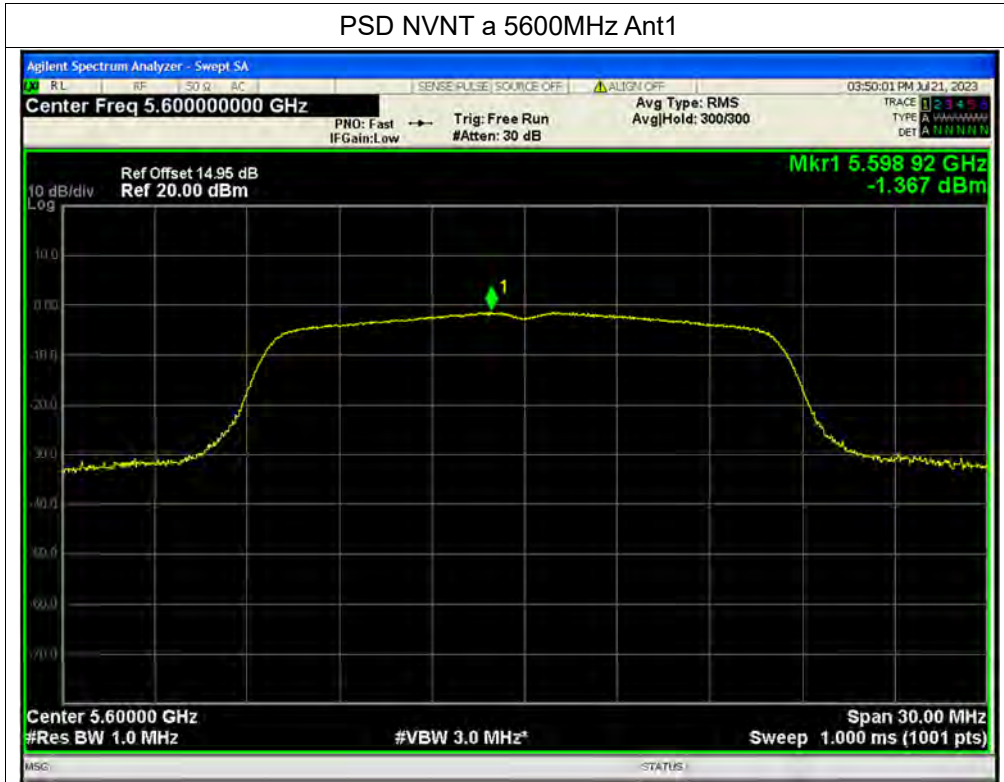
PSD NVNT a 5500MHz Ant1



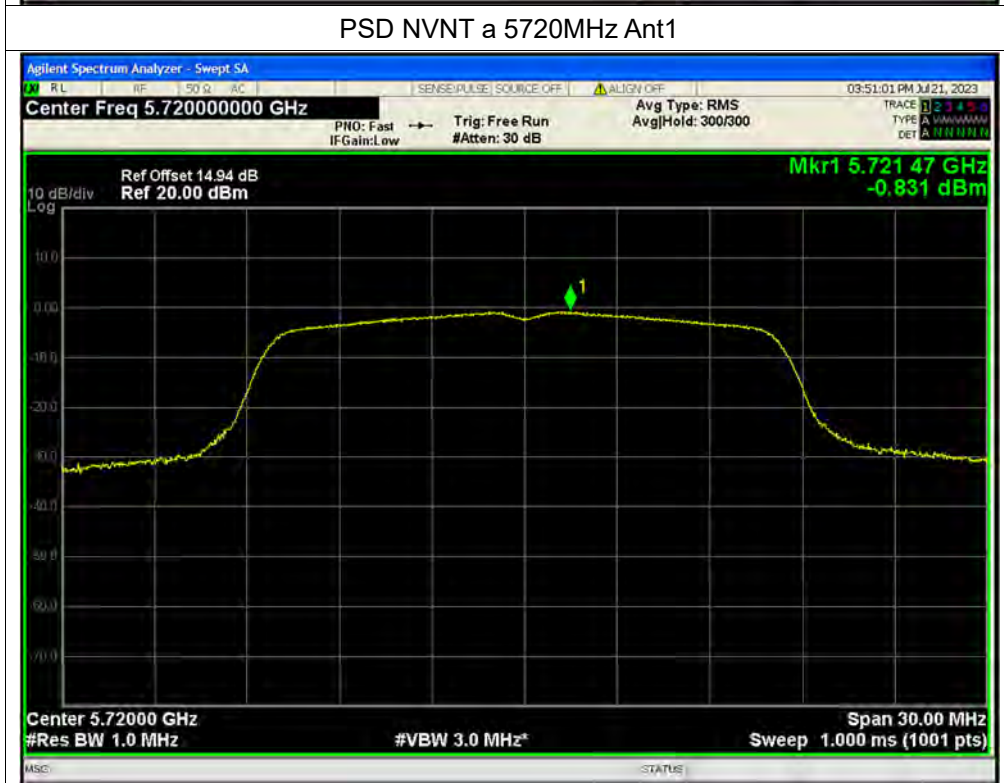
PSD NVNT a 5580MHz Ant1



PSD NVNT a 5600MHz Ant1

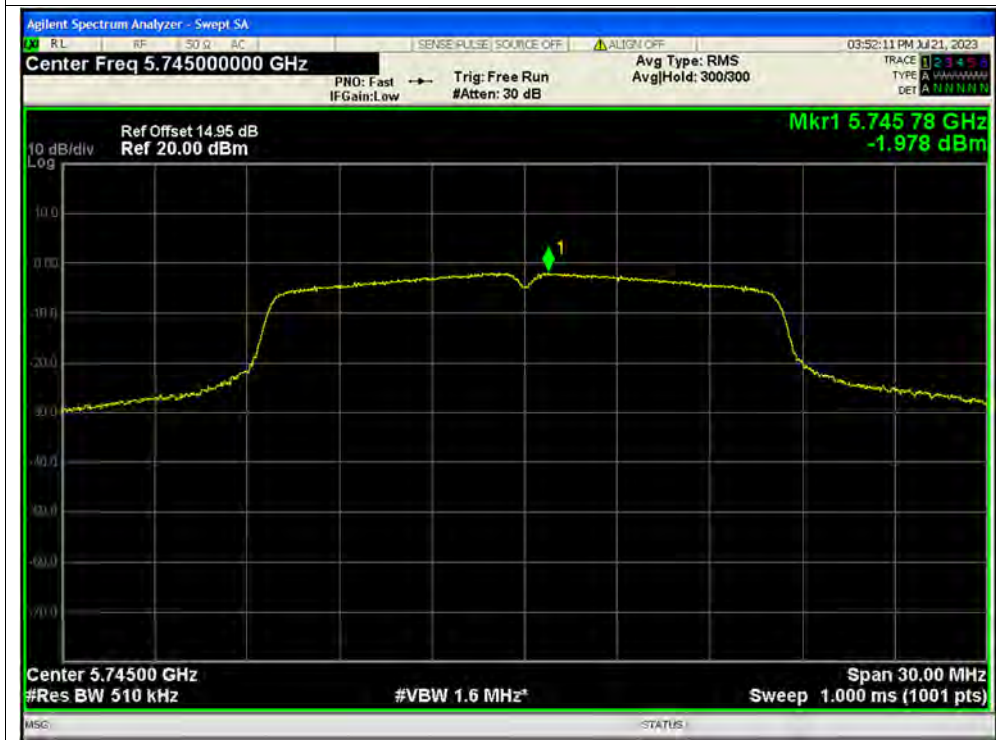


PSD NVNT a 5720MHz Ant1





PSD NVNT a 5745MHz Ant1

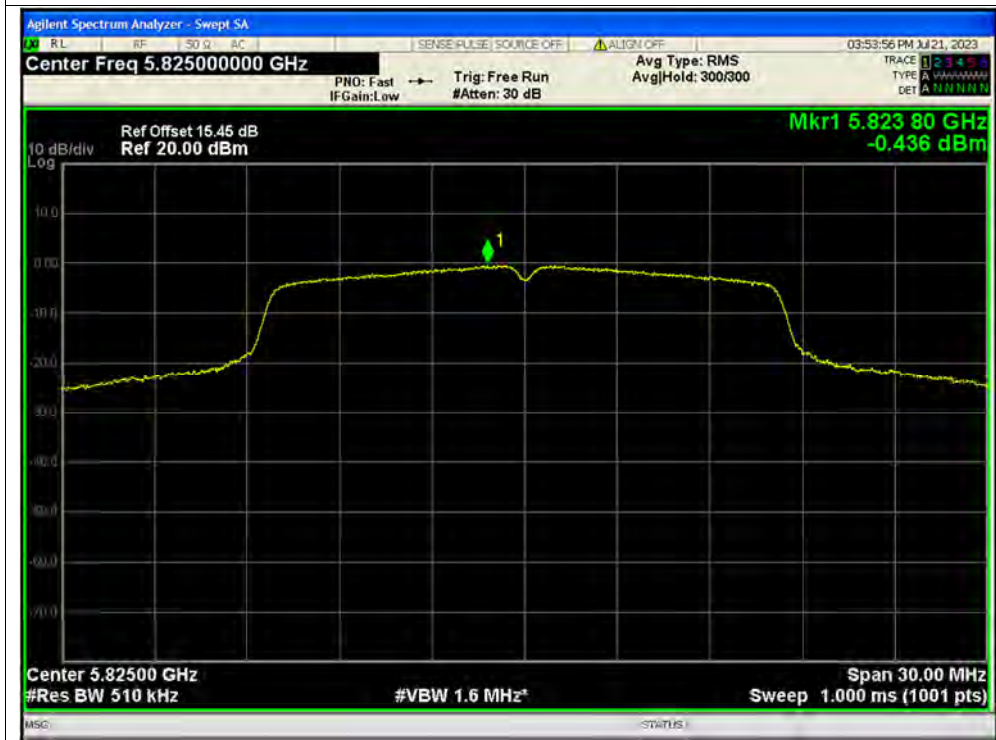


PSD NVNT a 5785MHz Ant1





PSD NVNT a 5825MHz Ant1

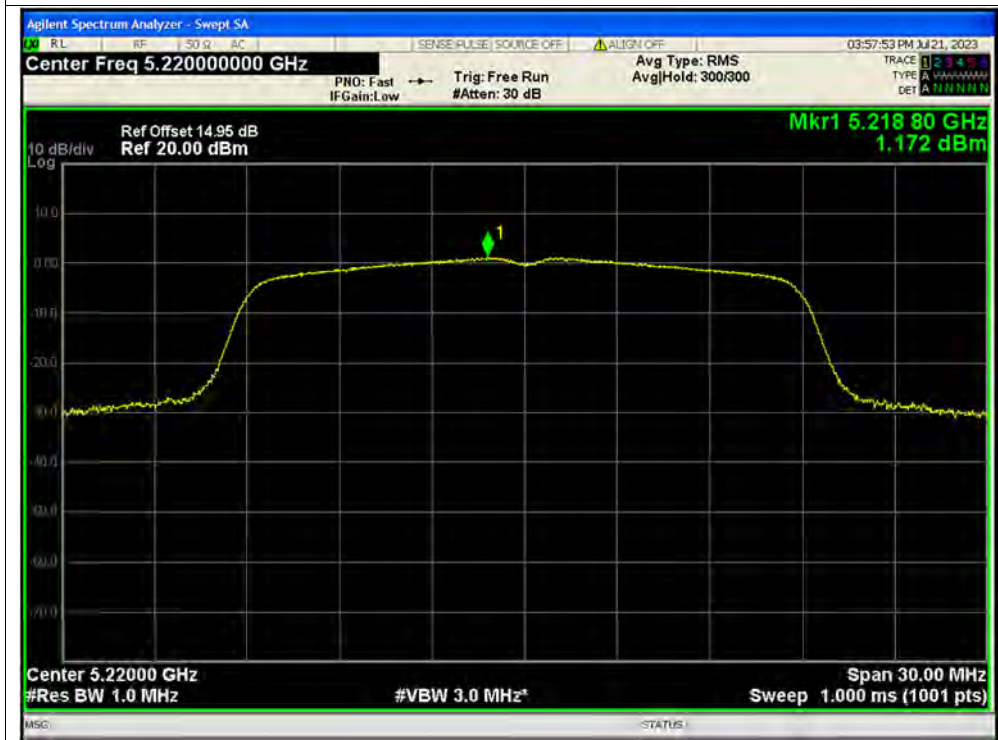


PSD NVNT n20 5180MHz Ant1

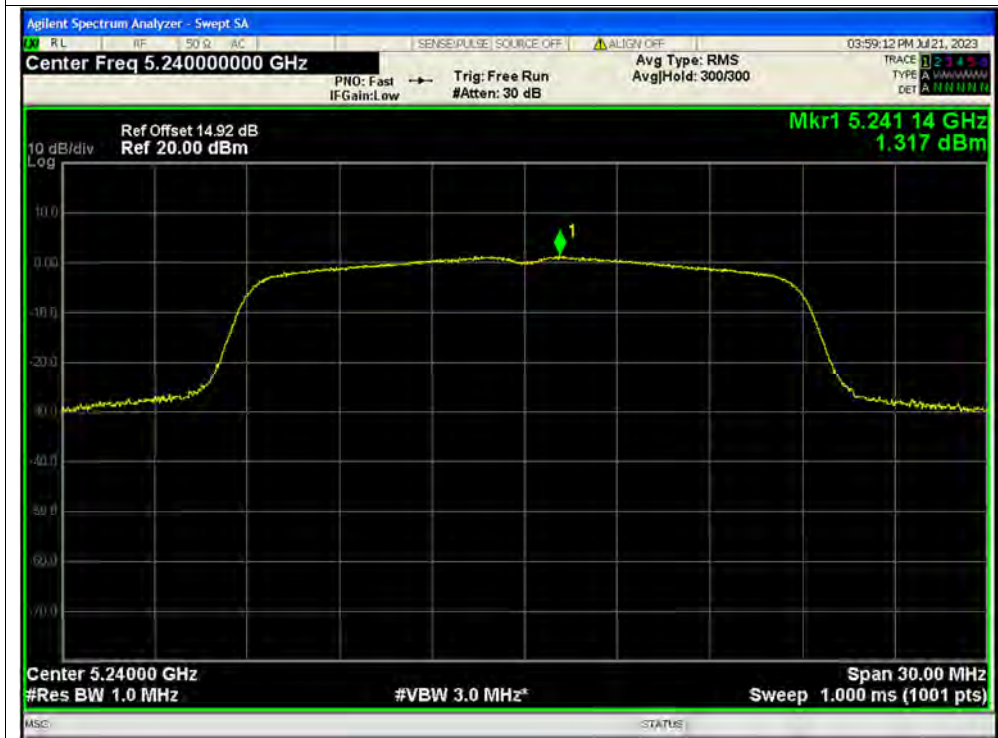




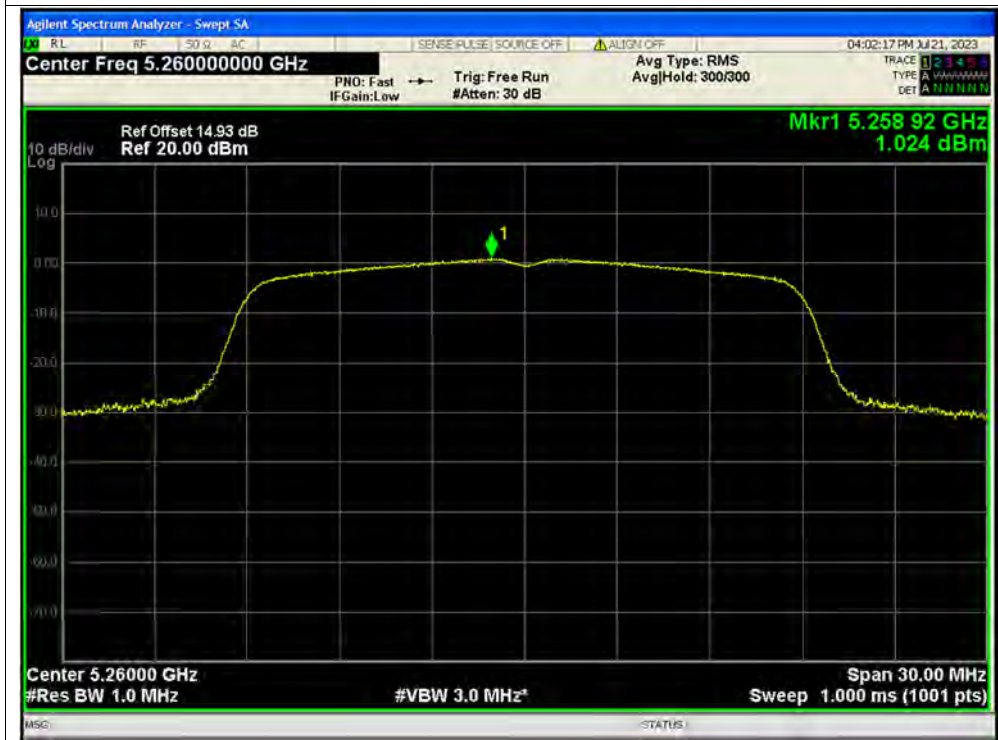
PSD NVNT n20 5220MHz Ant1



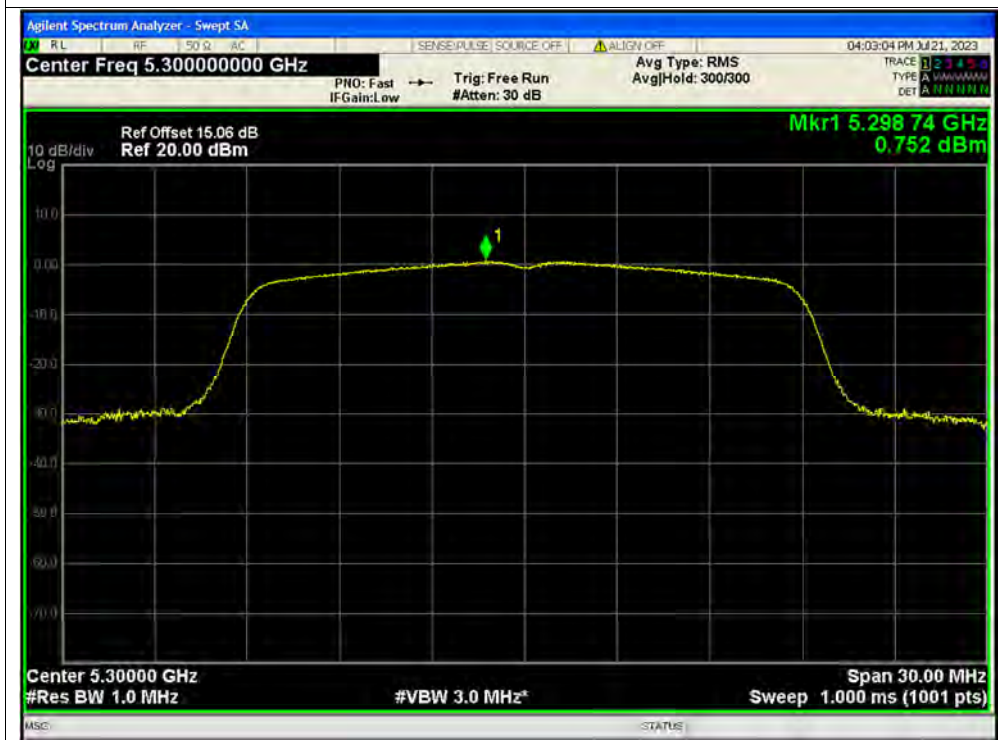
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5260MHz Ant1

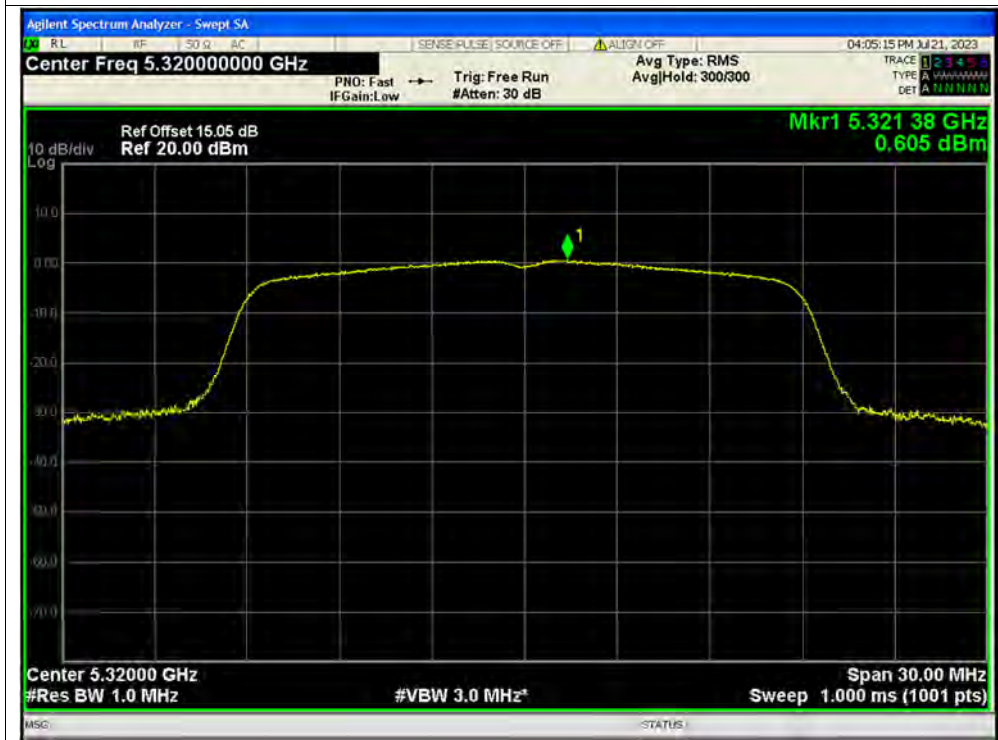


PSD NVNT n20 5300MHz Ant1





PSD NVNT n20 5320MHz Ant1



PSD NVNT n20 5500MHz Ant1





PSD NVNT n20 5720MHz Ant1



PSD NVNT n20 5745MHz Ant1





PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1





PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1

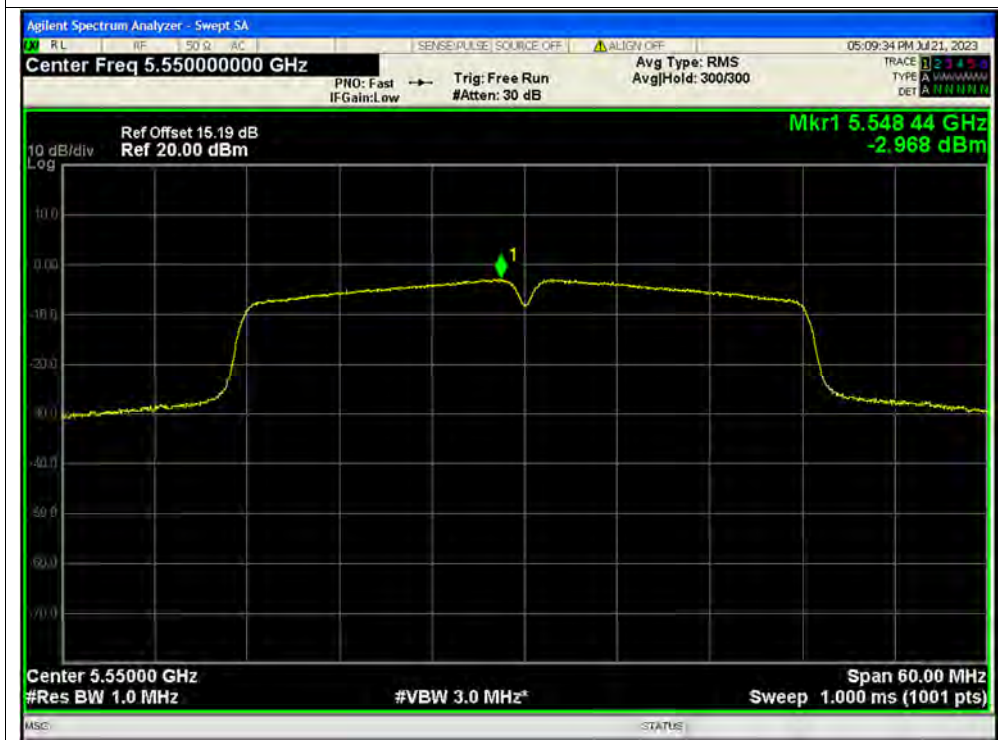




PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1





PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5710MHz Ant1





PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1





PSD NVNT ac20 5240MHz Ant1

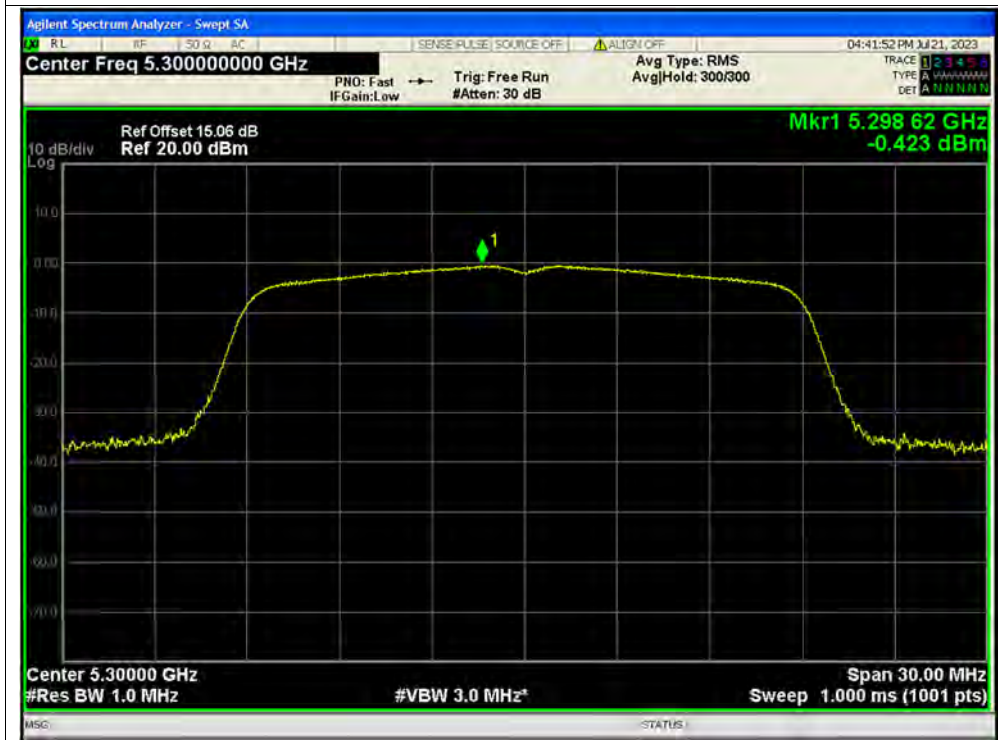


PSD NVNT ac20 5260MHz Ant1

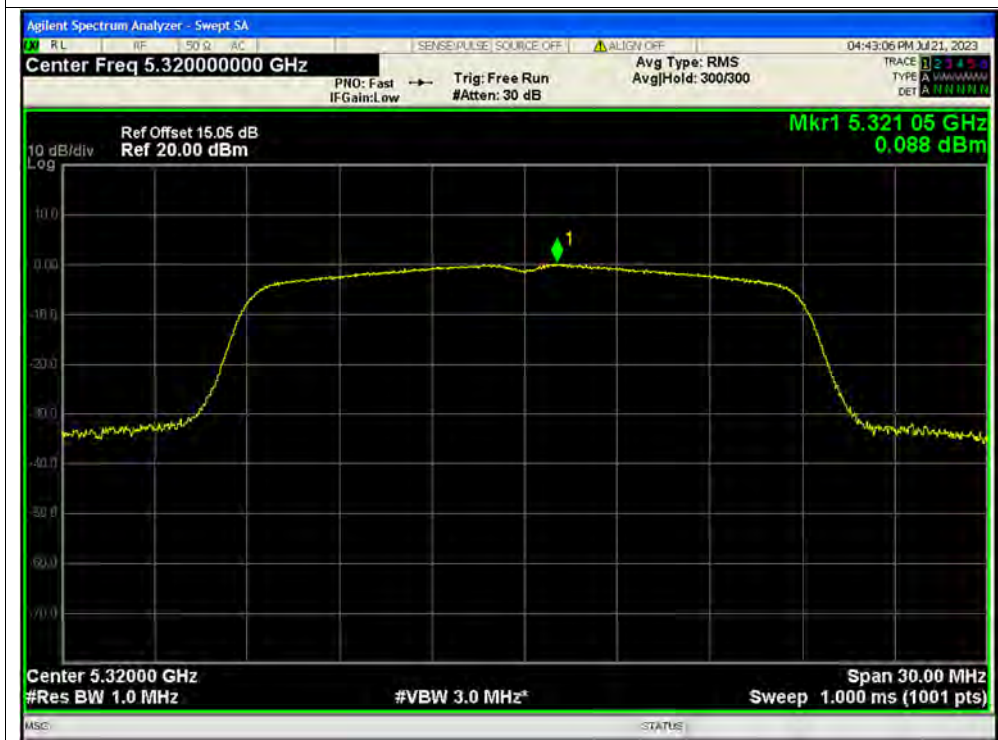




PSD NVNT ac20 5300MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5580MHz Ant1



PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5720MHz Ant1





PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1





PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5550MHz Ant1



PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5710MHz Ant1



PSD NVNT ac40 5755MHz Ant1





PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5210MHz Ant1





PSD NVNT ac80 5290MHz Ant1



PSD NVNT ac80 5530MHz Ant1



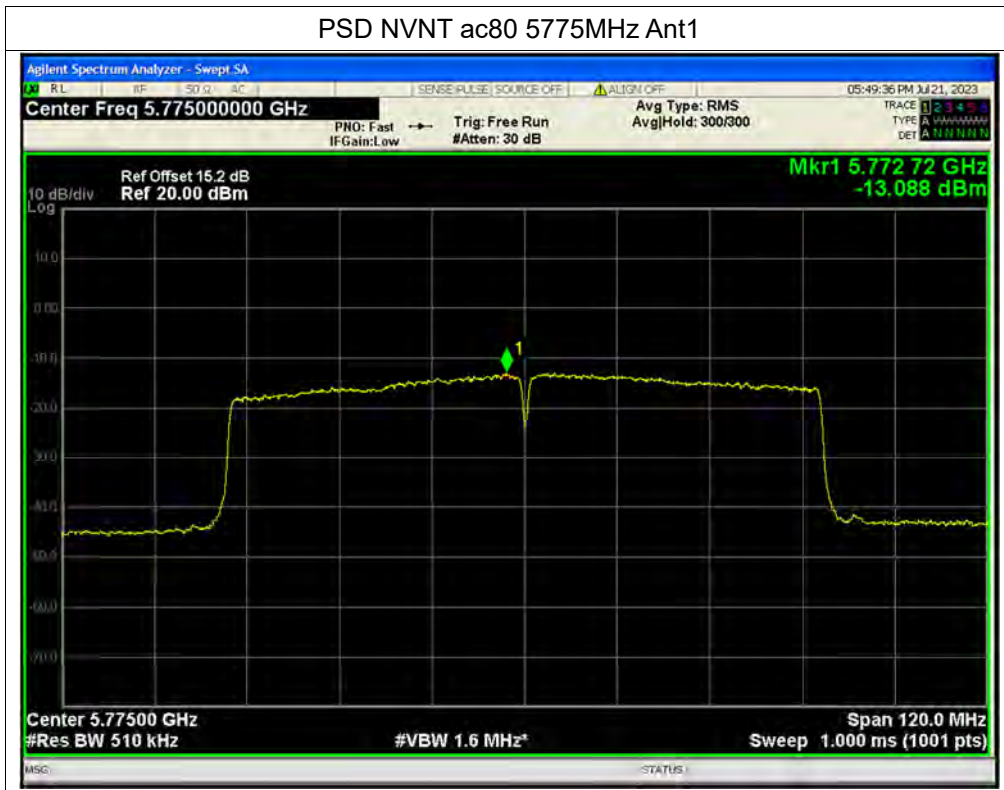


PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1





**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3V	Carrier	5180	Ant1	5180.001	1000	0.19	25	Pass
20C 4.35V	Carrier	5180	Ant1	5180	0	0	25	Pass
-10C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
0C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
10C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
20C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
30C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
40C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
50C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
55C 3.8V	Carrier	5180	Ant1	5180	0	0	25	Pass
20C 3V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
20C 4.35V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
-10C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
0C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
10C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
20C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
30C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
40C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
50C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
55C 3.8V	Carrier	5260	Ant1	5259.998	-2000	-0.38	25	Pass
20C 3V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
20C 4.35V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
-10C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
0C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
10C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
20C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
30C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
40C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
50C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
55C 3.8V	Carrier	5500	Ant1	5499.996	-4000	-0.73	25	Pass
20C 3V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
20C 4.35V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
-10C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
0C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass



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10C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
20C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
30C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
40C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
50C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass
55C 3.8V	Carrier	5745	Ant1	5744.994	-6000	-1.04	25	Pass



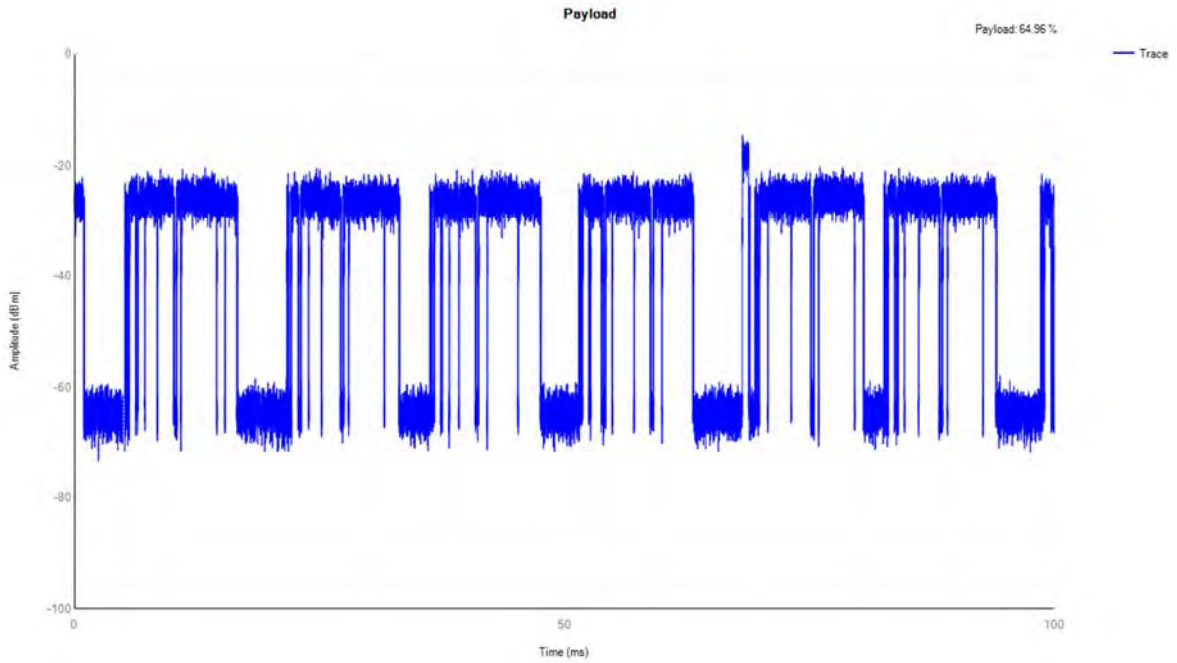
A.6. Dynamic Frequency Selection

Payload

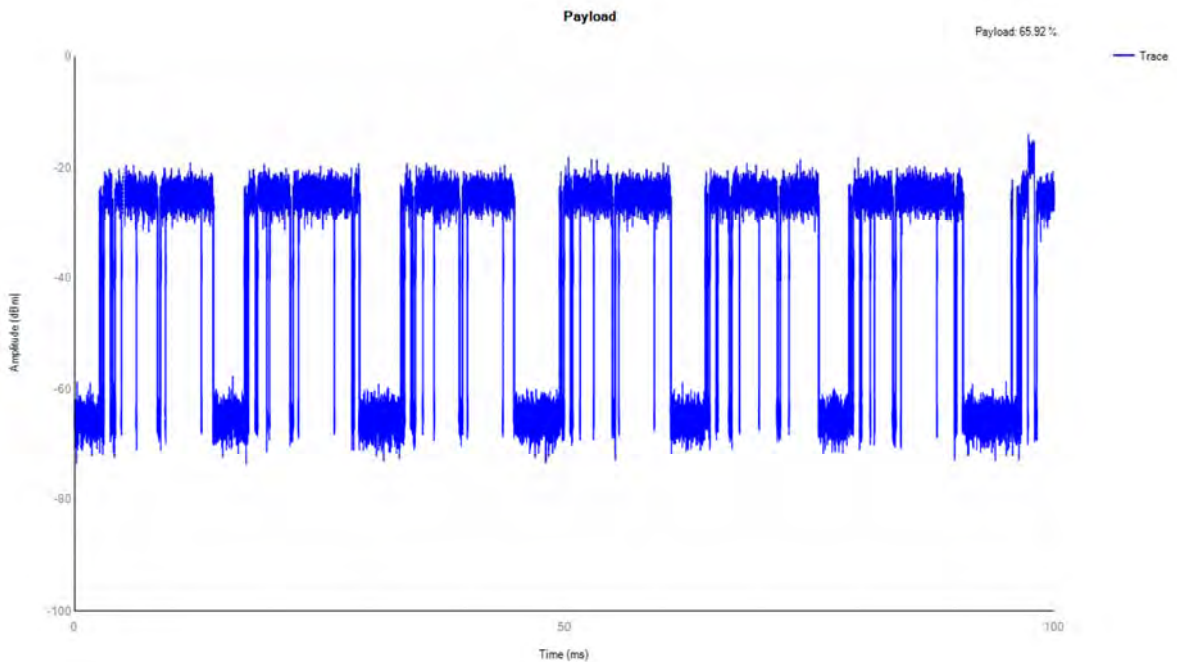
Mode	Frequency (MHz)	Result	Verdict
a	5320	84.96	Pass
a	5500	75.92	Pass
ac80	5290	63.87	Pass
ac80	5530	66.26	Pass

Test Graphs

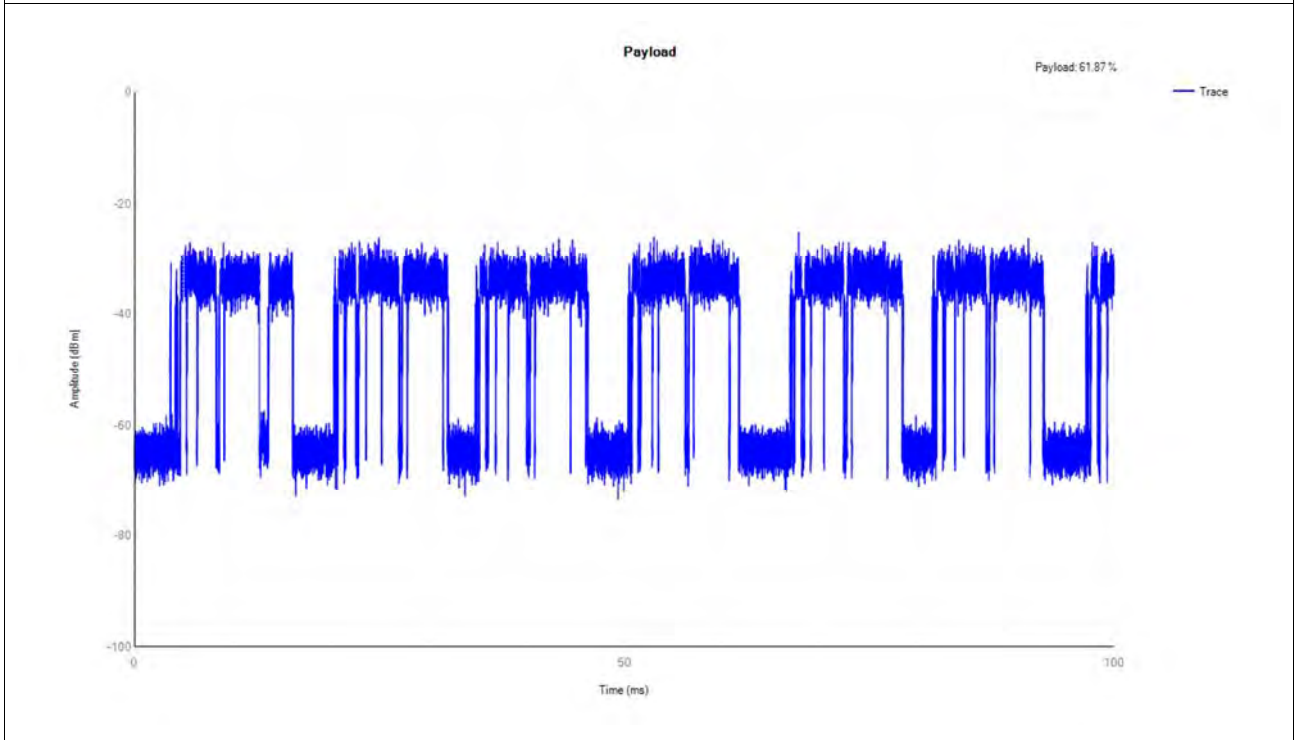
a 5320MHz Payload



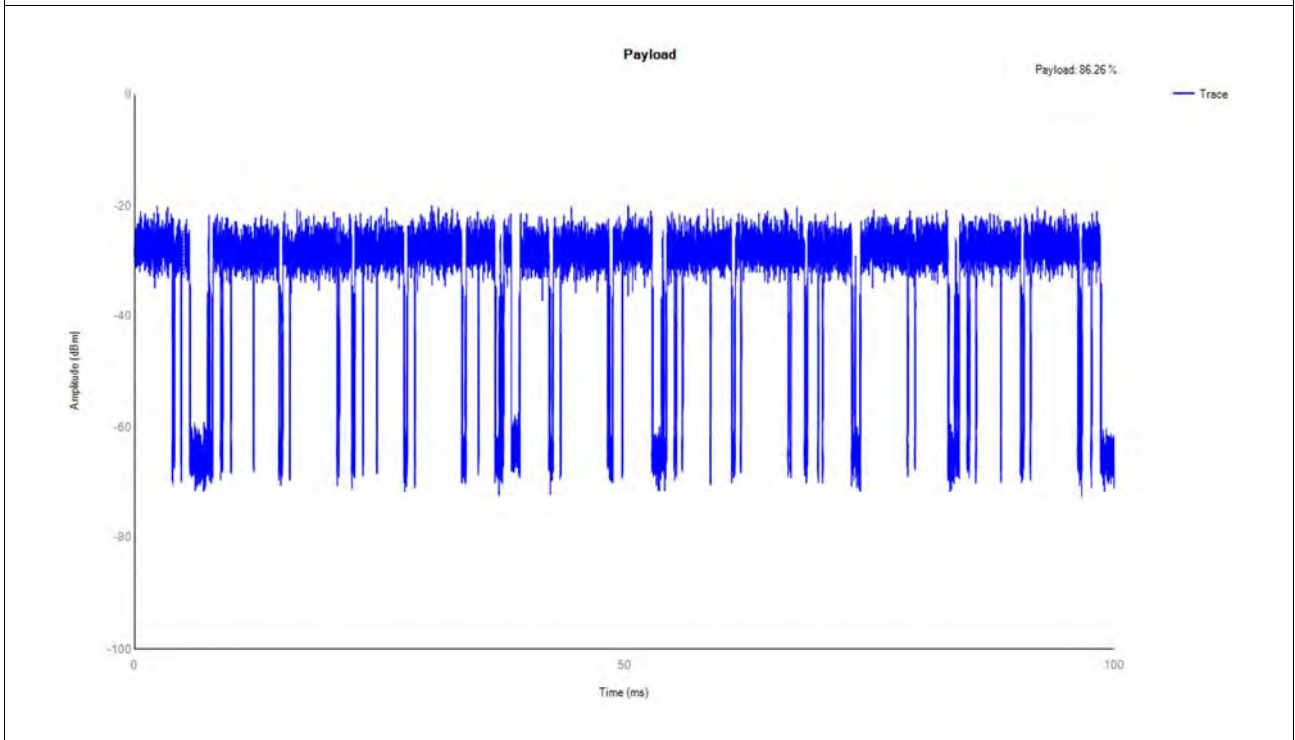
a 5500MHz Payload



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

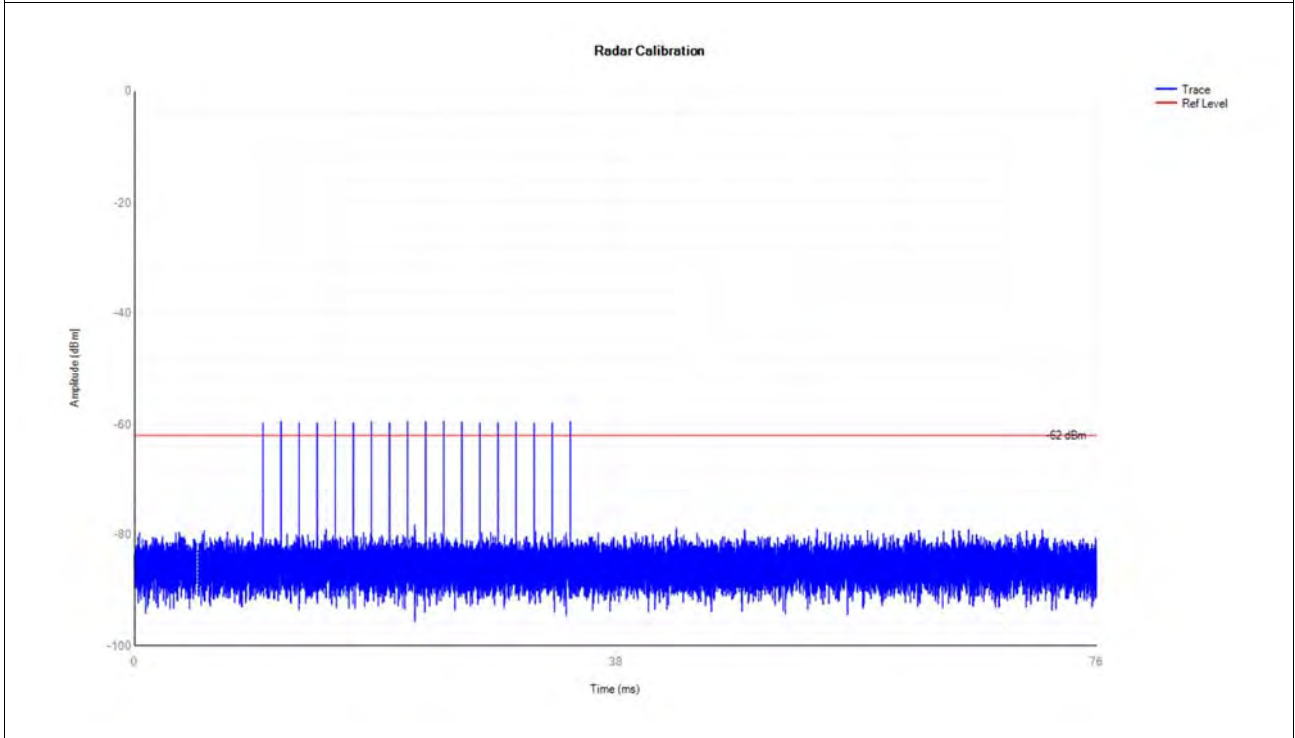
Detector Type: Peak

RBW: 3MHz

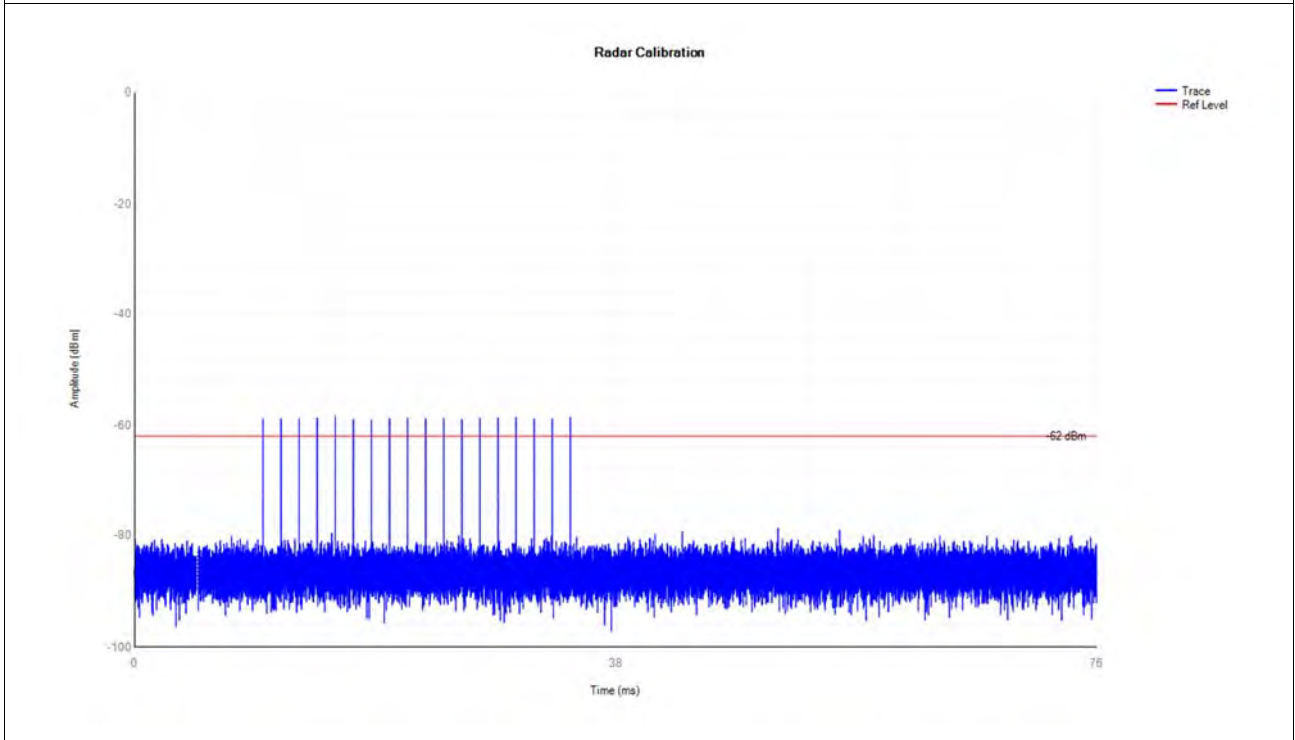
VBW: 3MHz

Test Graphs

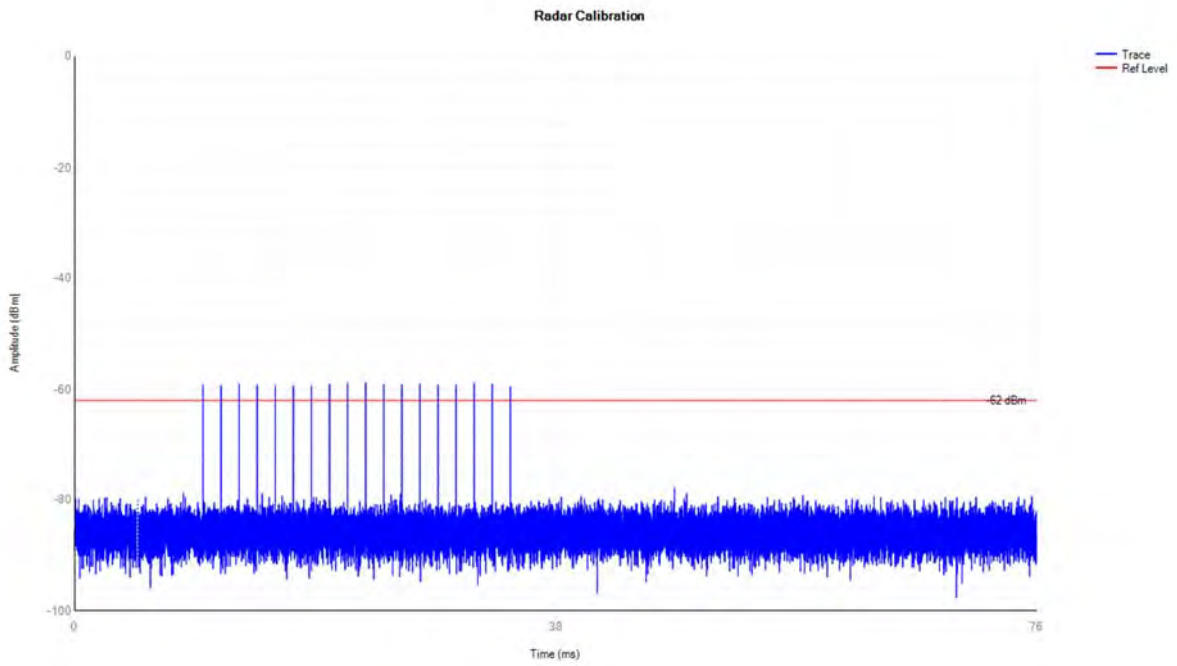
5320MHz DFS_FCC_T0



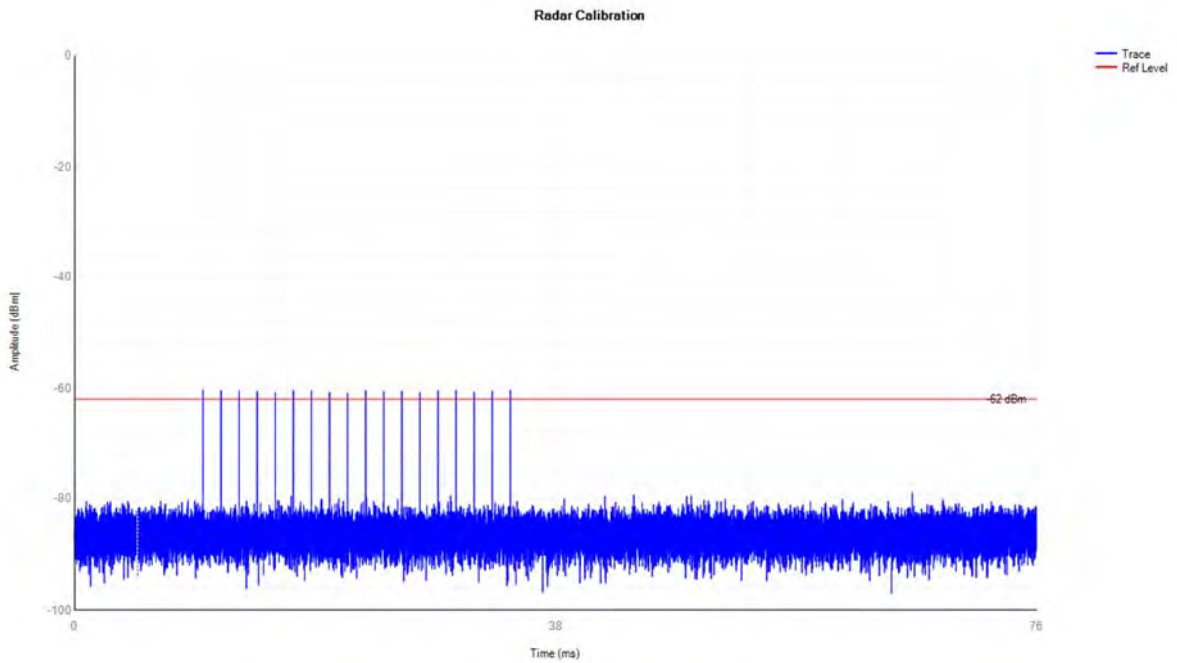
5500MHz DFS_FCC_T0



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	0.864	10	0.016	0.26	0.012	0.06	Pass
a	5500	0.898	10	0.04	0.26	0.014	0.06	Pass
ac80	5290	0.75	10	0.039	0.26	0.006	0.06	Pass
ac80	5530	0.903	10	0.057	0.26	0.008	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

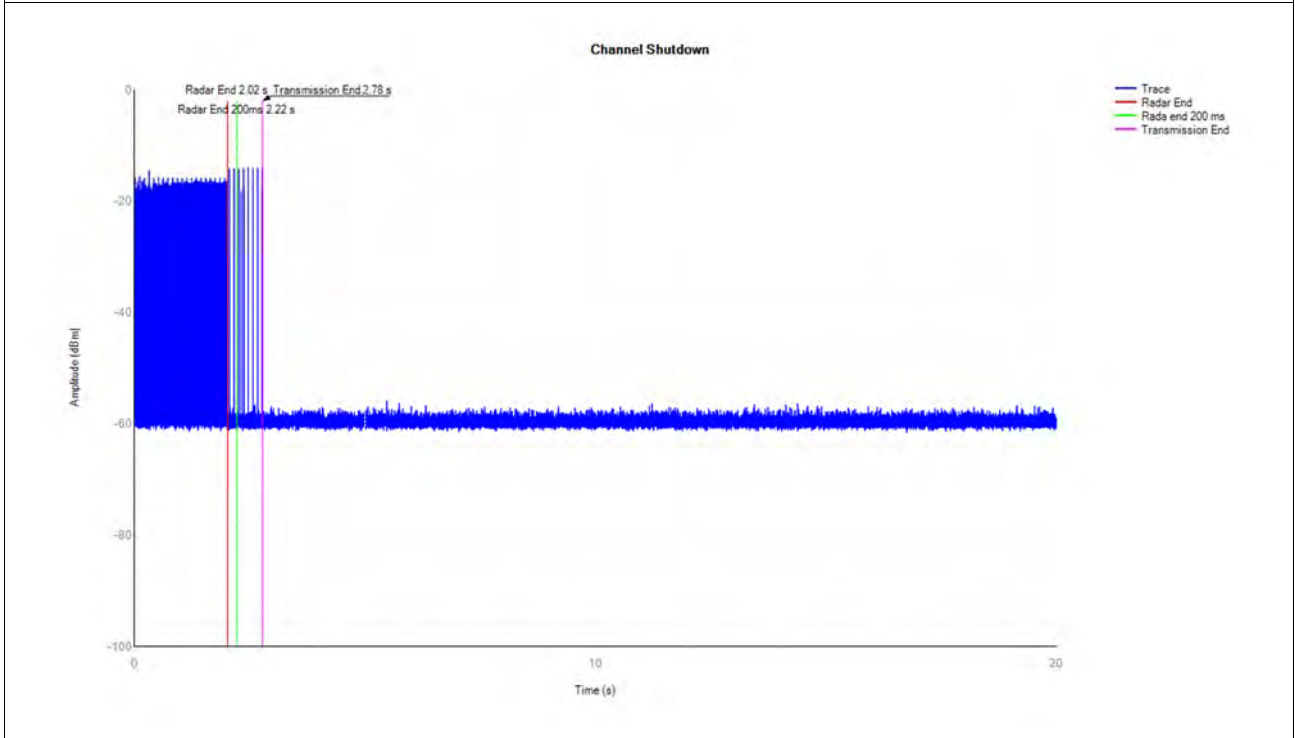
RBW: 3MHz

VBW: 3MHz

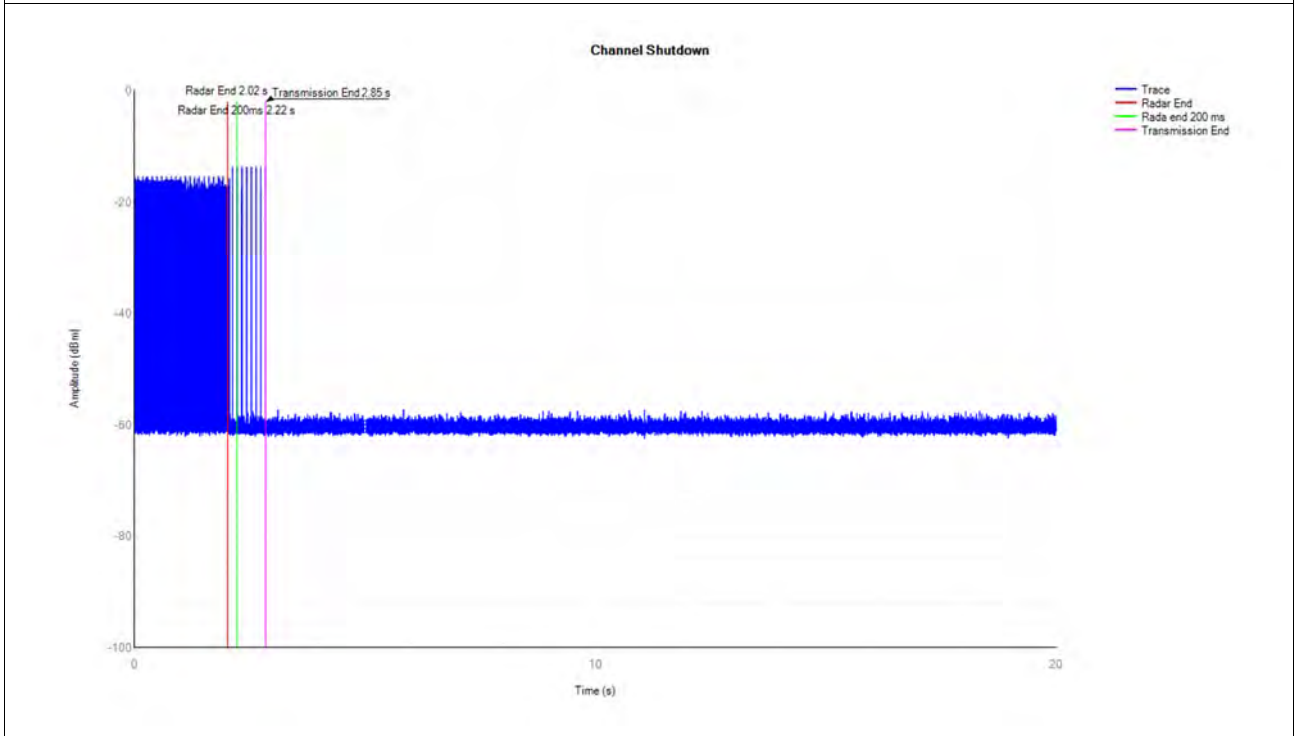
Sweep time: 20s

Test Graphs

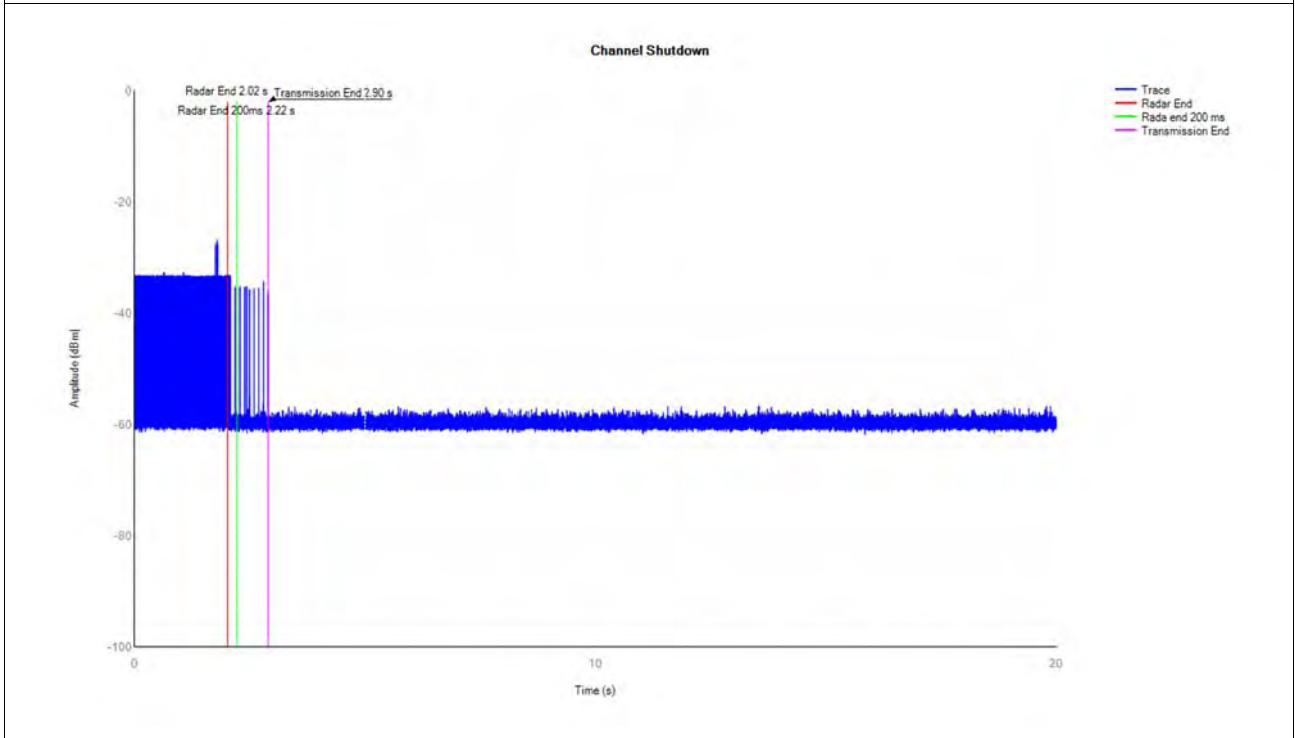
a 5320MHz Shutdown



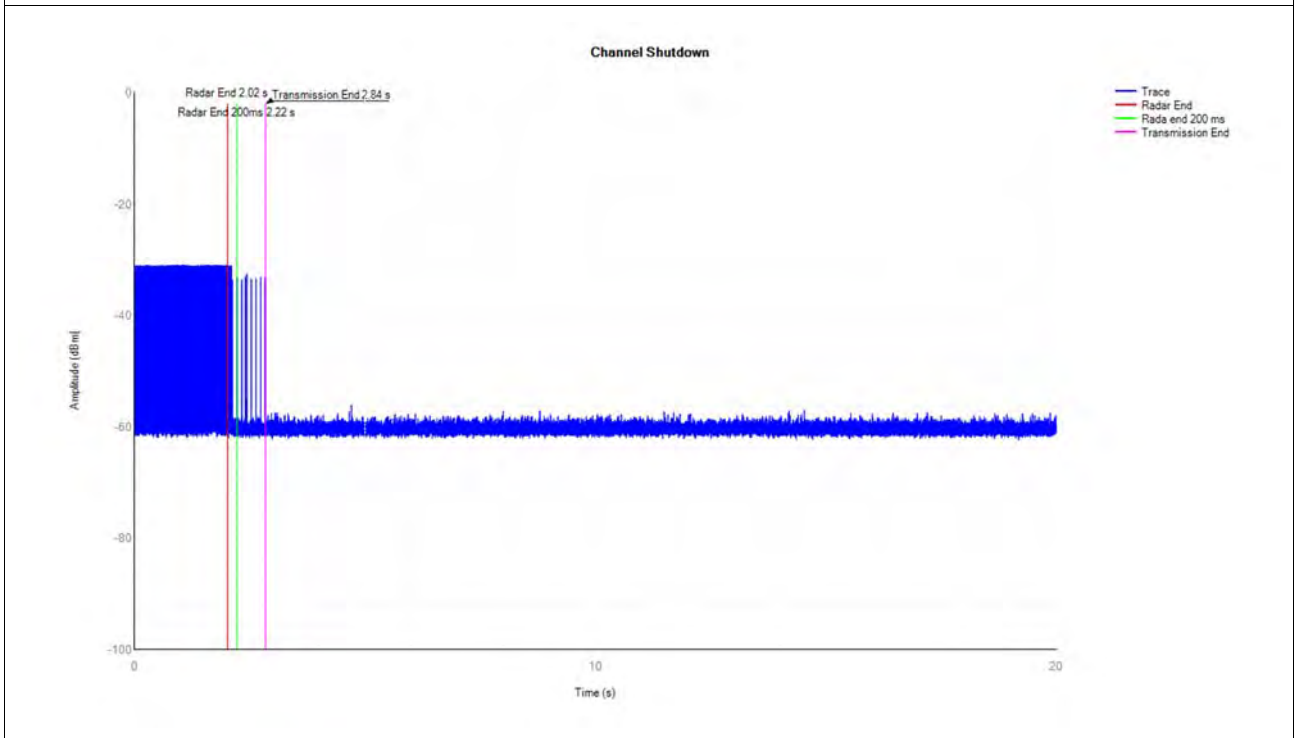
a 5500MHz Shutdown



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

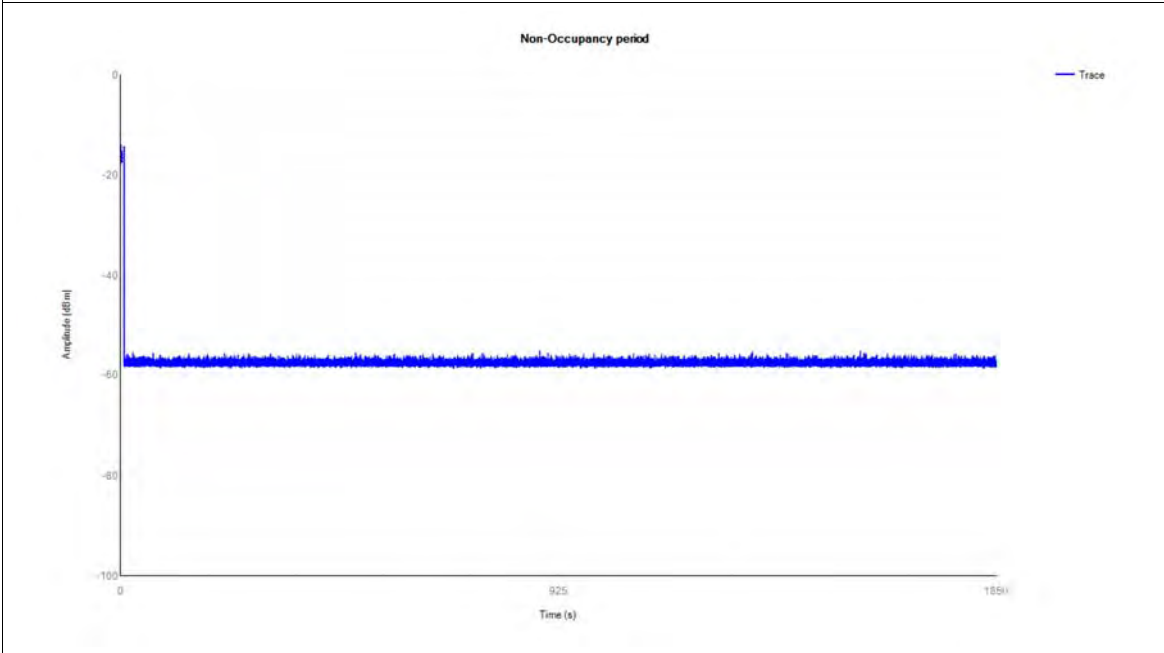
RBW: 3MHz

VBW: 3MHz

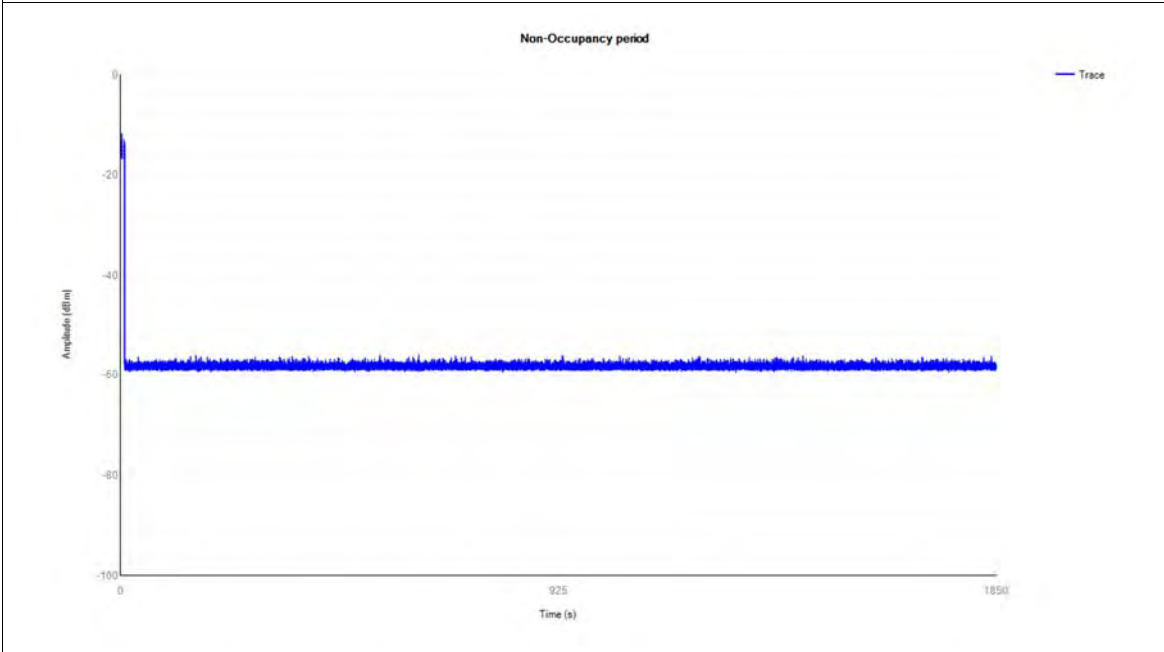
Sweep time: 1850s

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 + Adapter + USB Cable + WIFI TX

Test voltage: AC 120V/60Hz

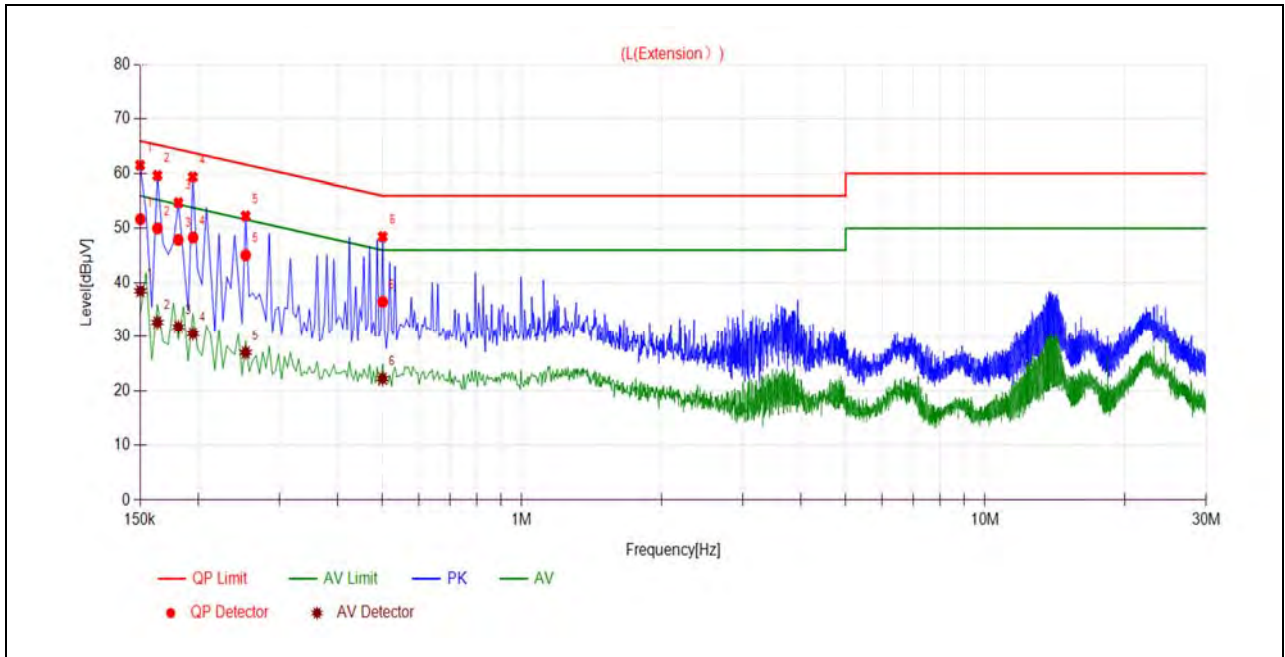
The measurement results are obtained as below:

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

U_R : Receiver Reading

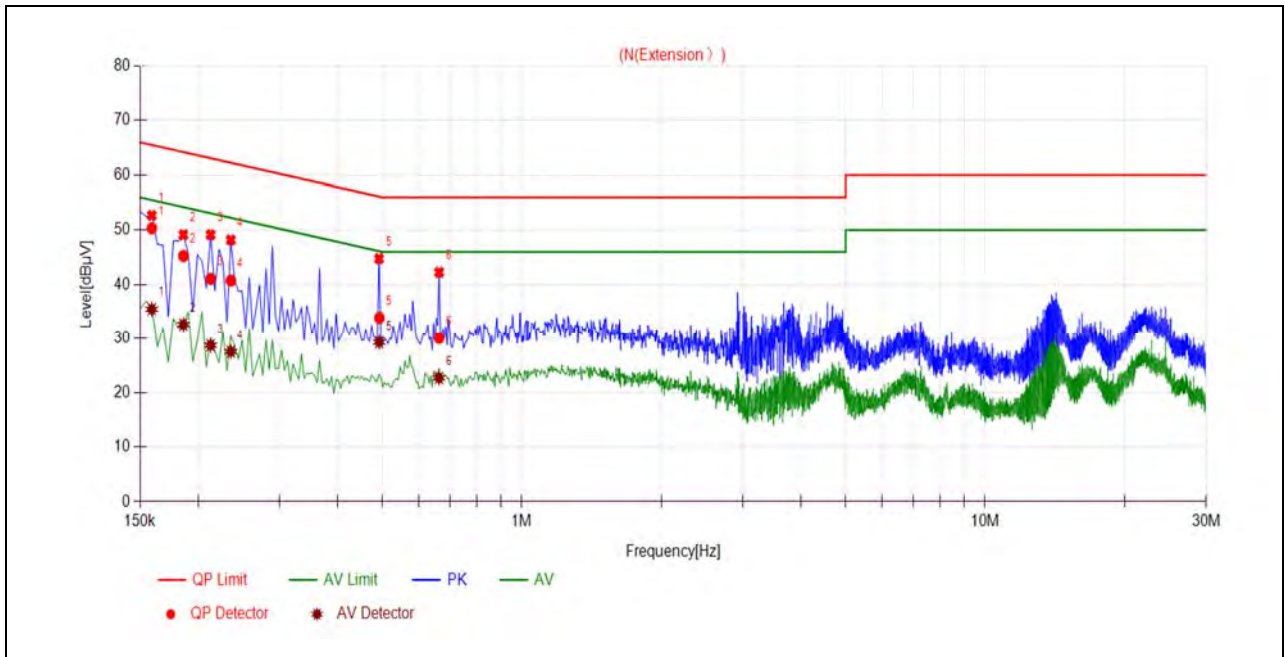
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1502	51.71	38.48	65.99	55.99	Line	PASS
2	0.1635	50.02	32.67	65.28	55.28		PASS
3	0.1814	47.89	31.82	64.42	54.42		PASS
4	0.1951	48.32	30.53	63.82	53.82		PASS
5	0.2535	45.06	27.02	61.64	51.64		PASS
6	0.5007	36.49	22.20	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	50.35	35.48	65.51	55.51	Neutral	PASS
2	0.1860	45.26	32.64	64.21	54.21		PASS
3	0.2130	41.07	28.71	63.09	53.09		PASS
4	0.2355	40.74	27.53	62.25	52.25		PASS
5	0.4925	33.89	29.27	56.13	46.13		PASS
6	0.6627	30.06	22.66	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

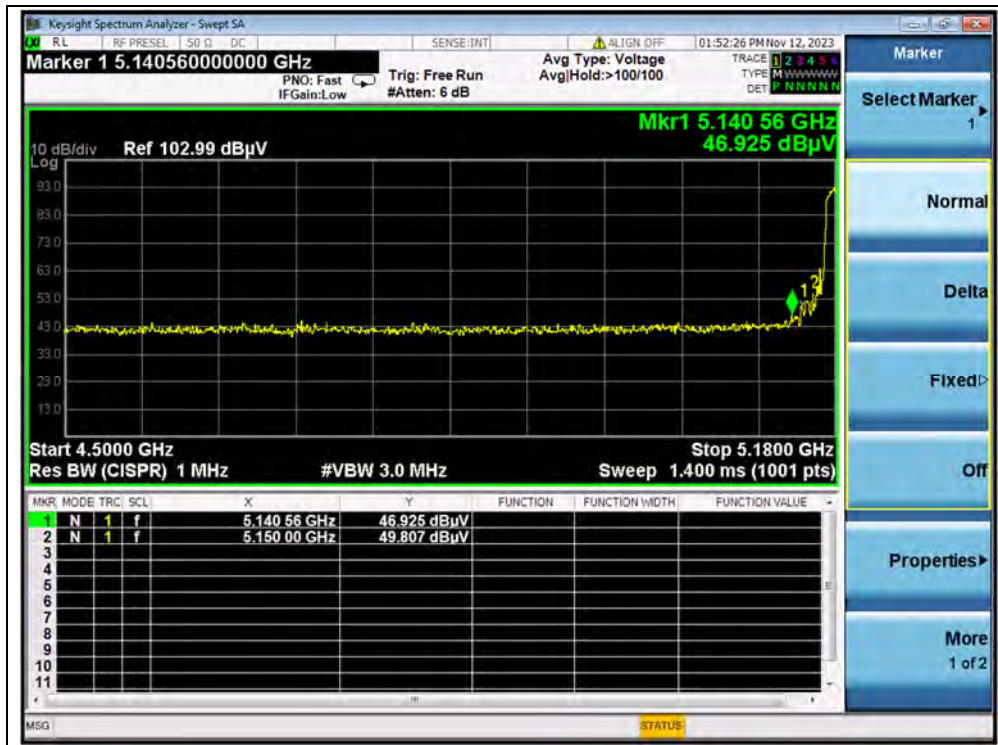
A_{Factor} : Antenna Factor at 3m

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.

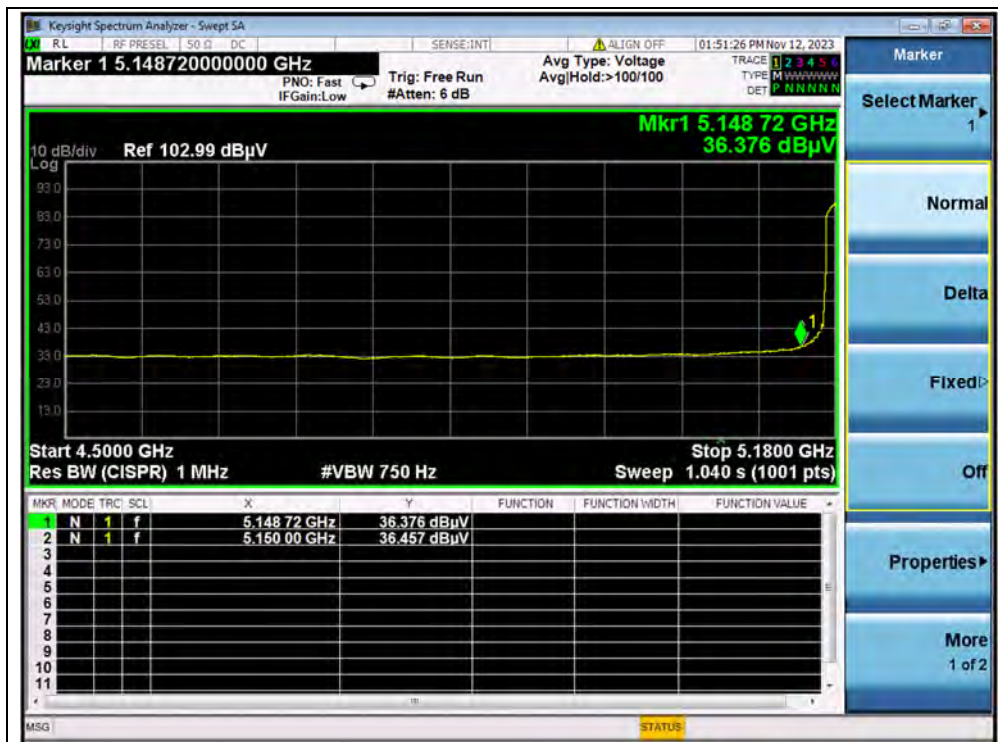
Note 2: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

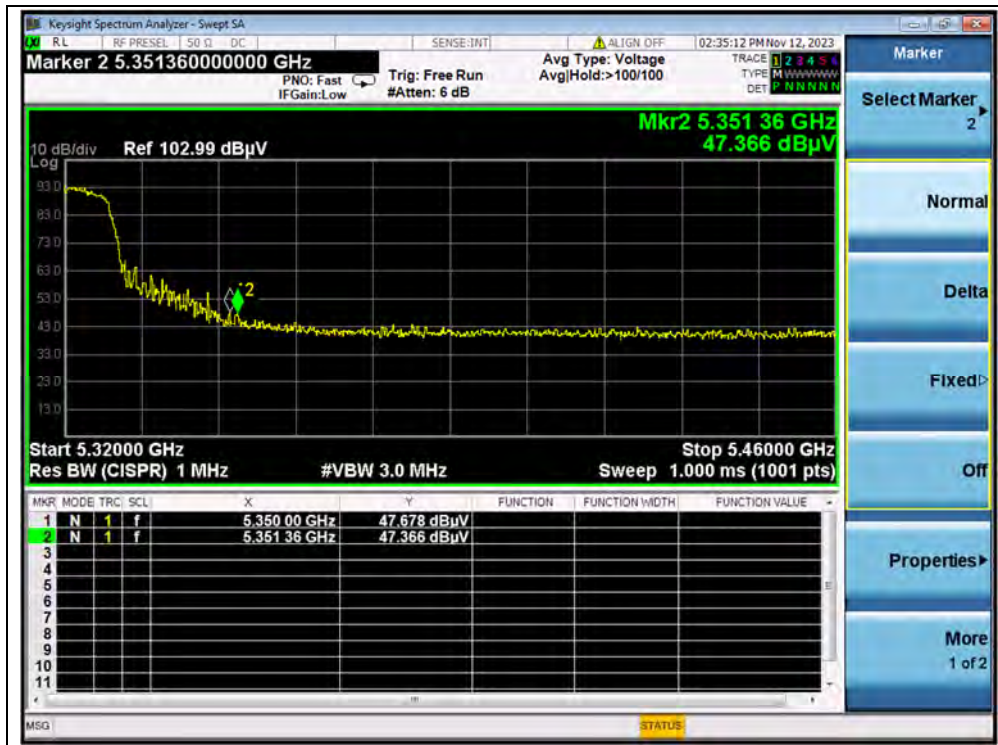
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5150.00	PK	49.81	-19.54	32.20	62.47	74	PASS
36	5150.00	AV	36.46	-19.54	32.20	49.12	54	PASS
64	5350.00	PK	47.68	-18.80	32.20	61.08	74	PASS
64	5350.00	AV	35.58	-18.80	32.20	48.98	54	PASS
100	5469.00	PK	51.35	-19.20	32.20	64.35	68.23	PASS
100	5460.00	AV	36.20	-19.20	32.20	49.20	54	PASS
144	5727.00	PK	50.93	-19.20	32.20	63.93	68.23	PASS
149	5725.00	PK	65.65	-19.01	32.20	78.84	122.23	PASS
165	5850.00	PK	57.00	-19.01	32.20	70.19	122.23	PASS



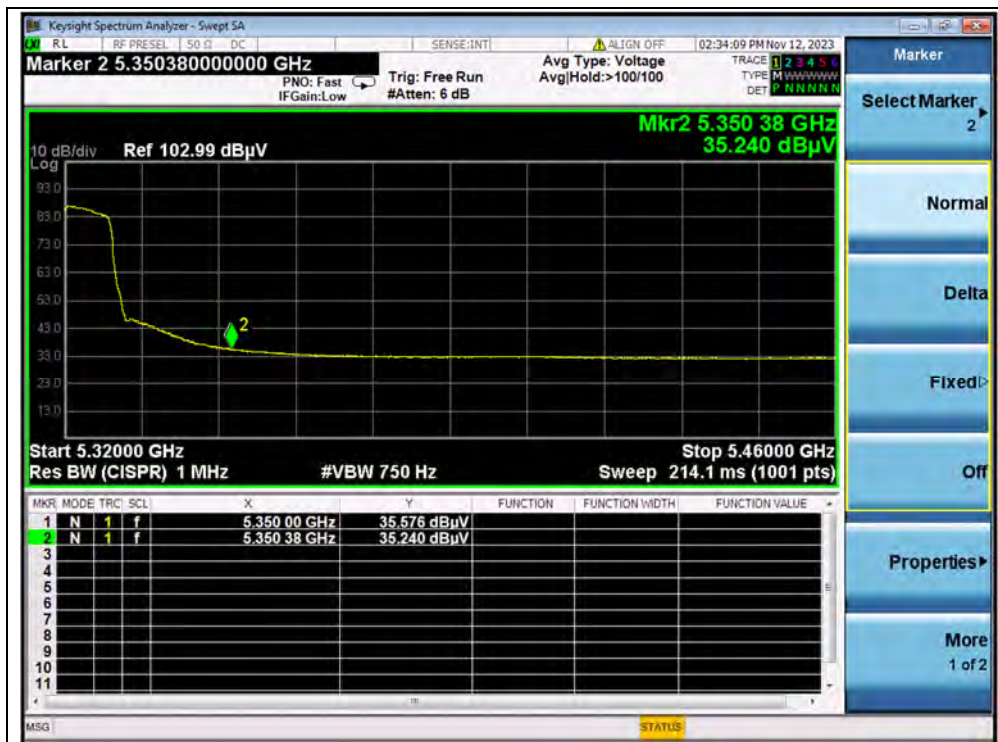
(PEAK, Channel 36, 802.11a)



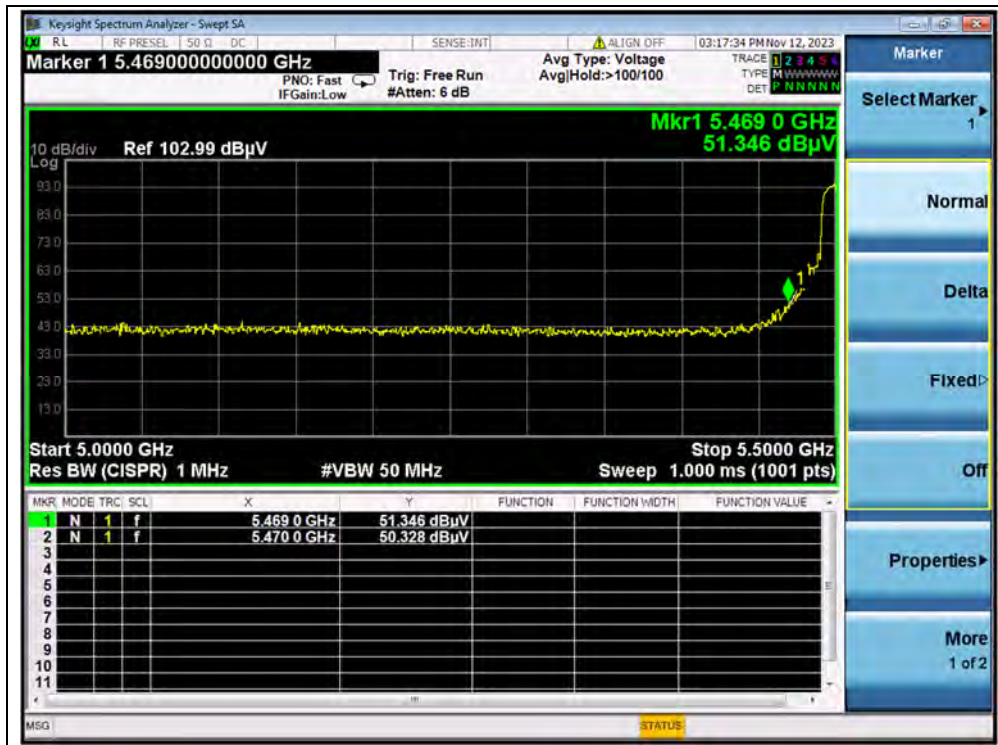
(AVERAGE, Channel 36, 802.11a)



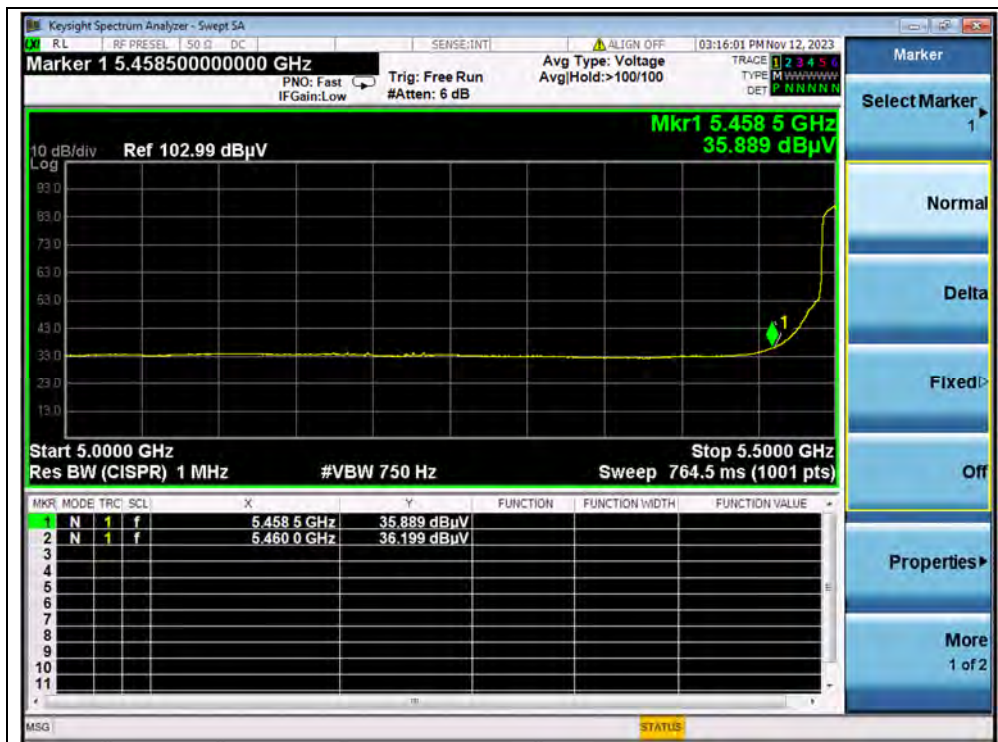
(PEAK, Channel 64, 802.11a)



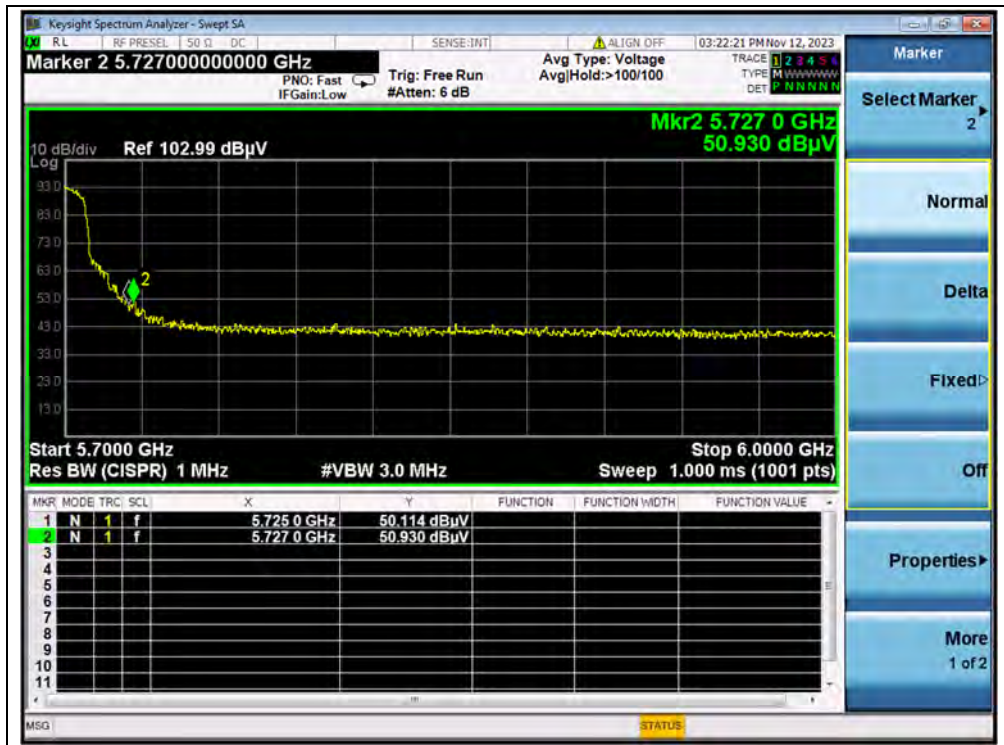
(AVERAGE, Channel 64, 802.11a)



(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

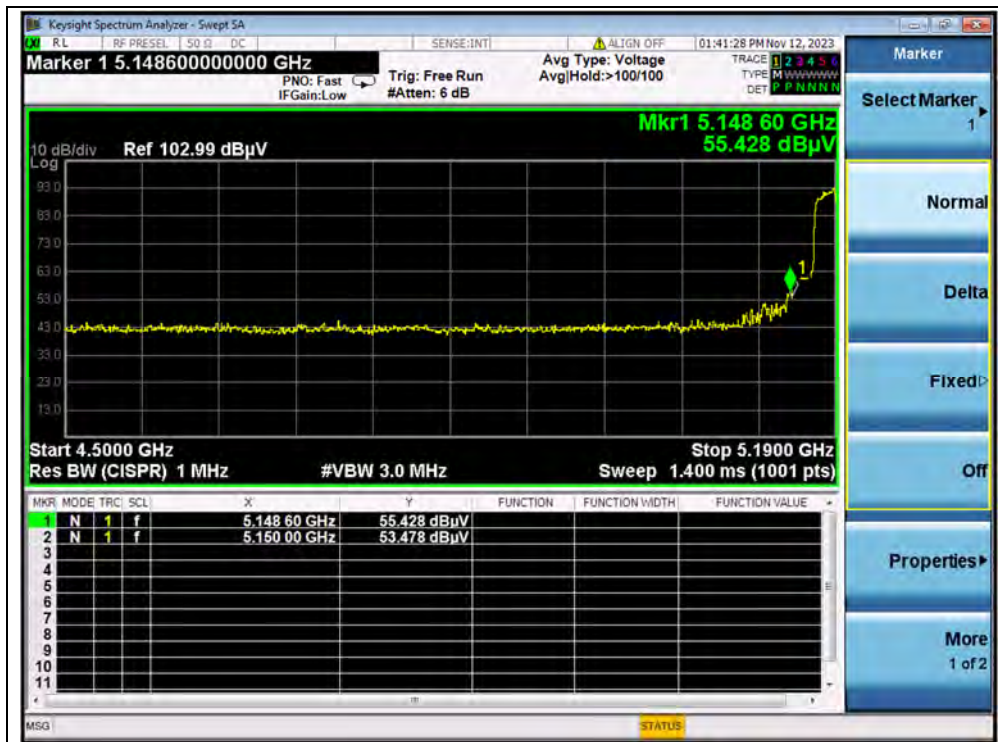


(PEAK, Channel 165, 802.11a)

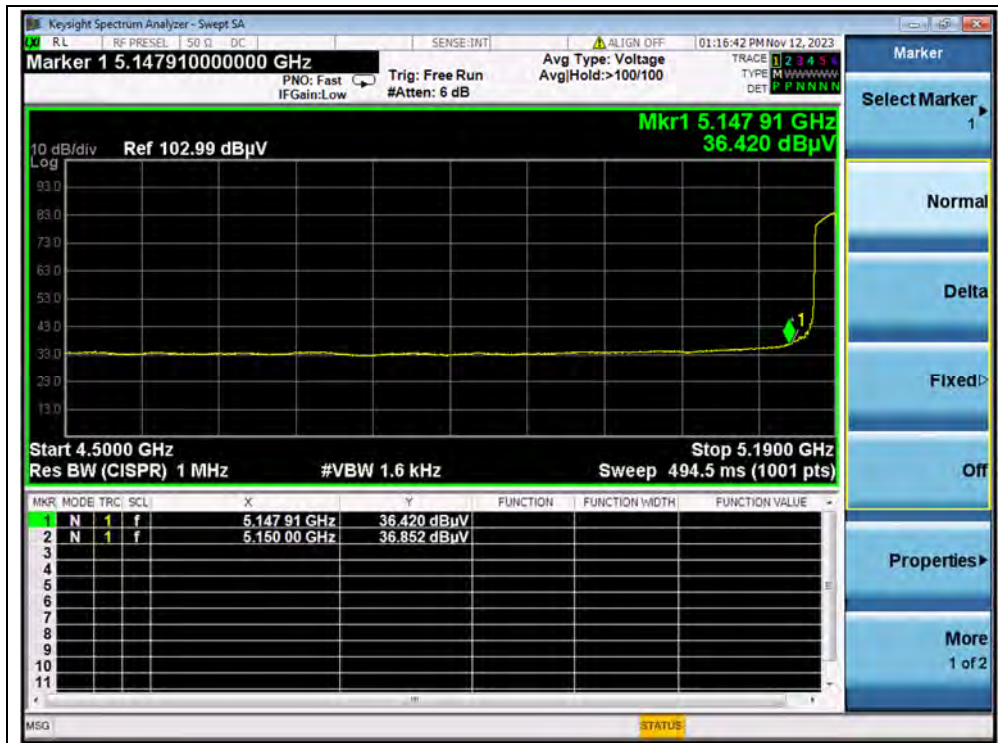


802.11n (HT40) Mode

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	5150.00	PK	36.85	-19.54	32.20	49.51	74	PASS
38	5150.00	AV	36.85	-19.54	32.20	49.51	54	PASS
62	5350.00	PK	47.68	-18.80	32.20	61.08	74	PASS
62	5350.00	AV	35.58	-18.80	32.20	48.98	54	PASS
102	5468.69	PK	52.17	-19.20	32.20	65.17	68.23	PASS
102	5460.00	AV	33.88	-19.20	32.20	46.88	54	PASS
142	5725.44	PK	51.95	-19.20	32.20	64.95	68.23	PASS
151	5725.00	PK	66.33	-19.01	32.20	79.52	122.23	PASS
159	5850.00	PK	50.97	-19.01	32.20	64.16	122.23	PASS



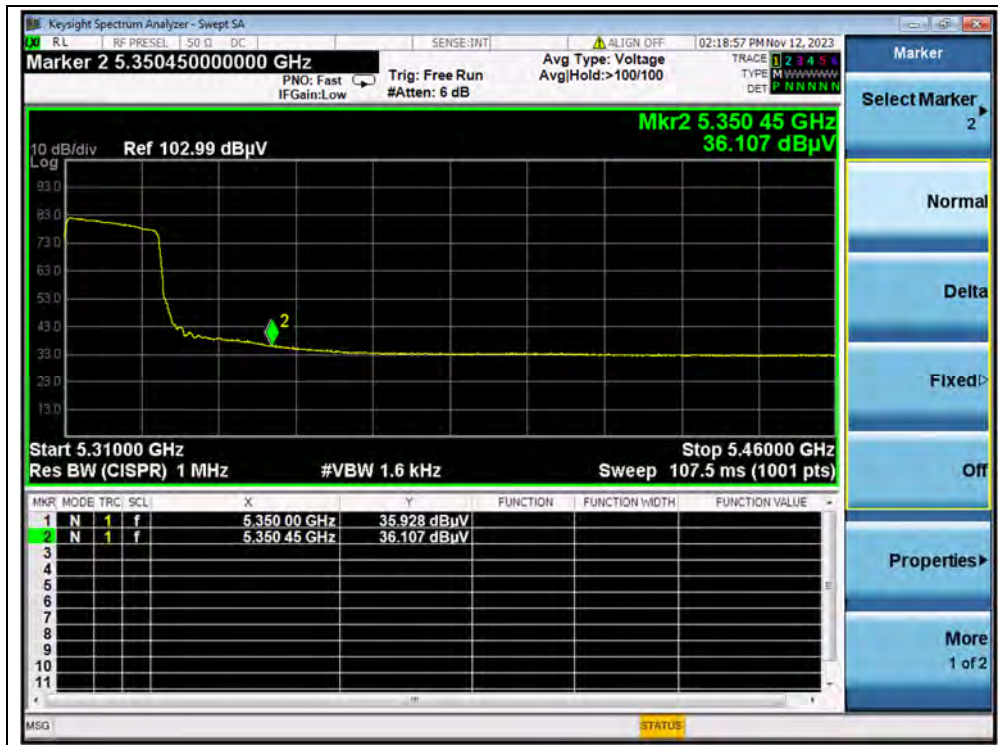
(PEAK, Channel 38, 802.11n (HT40))



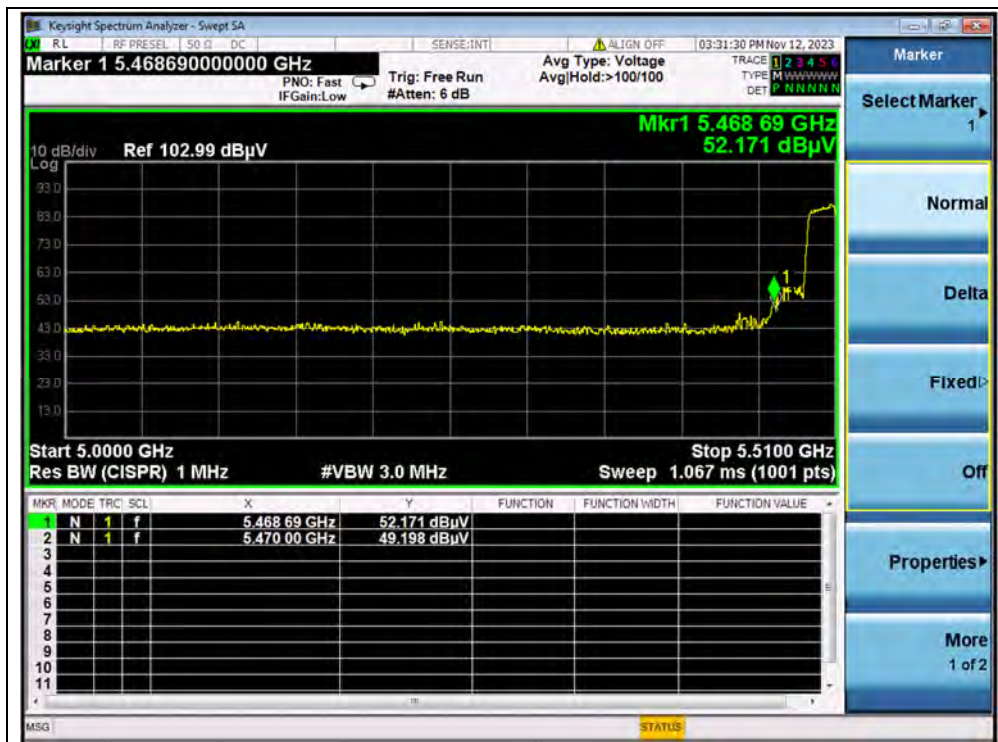
(AVERAGE, Channel 38, 802.11n (HT40))



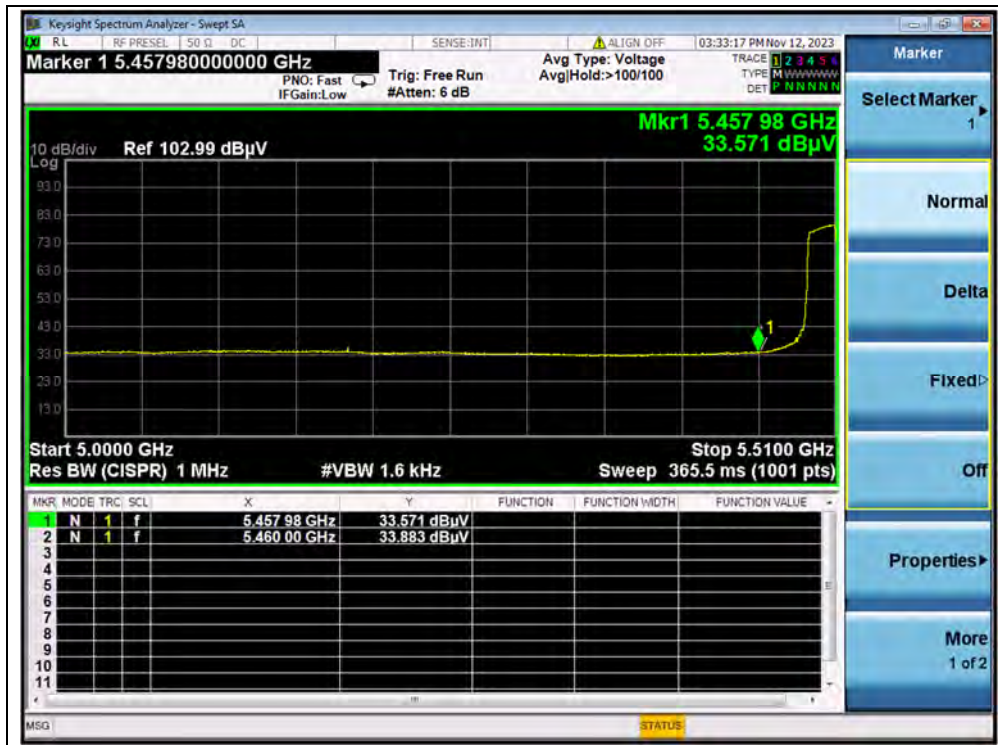
(PEAK, Channel 62, 802.11n (HT40))



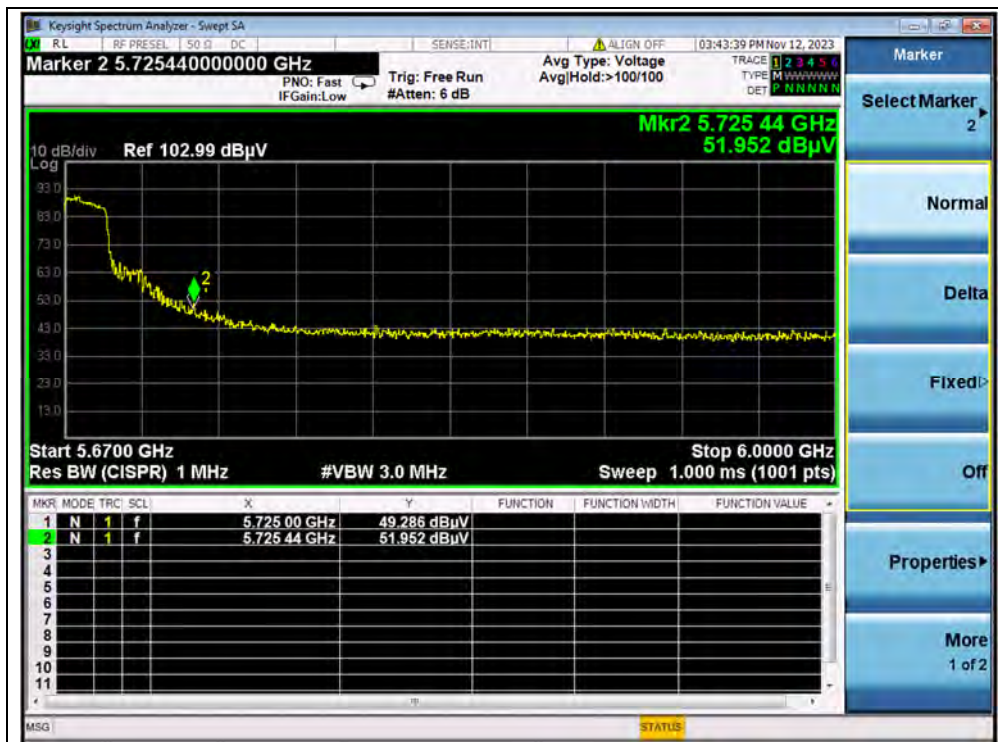
(AVERAGE, Channel 62, 802.11n (HT40))



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



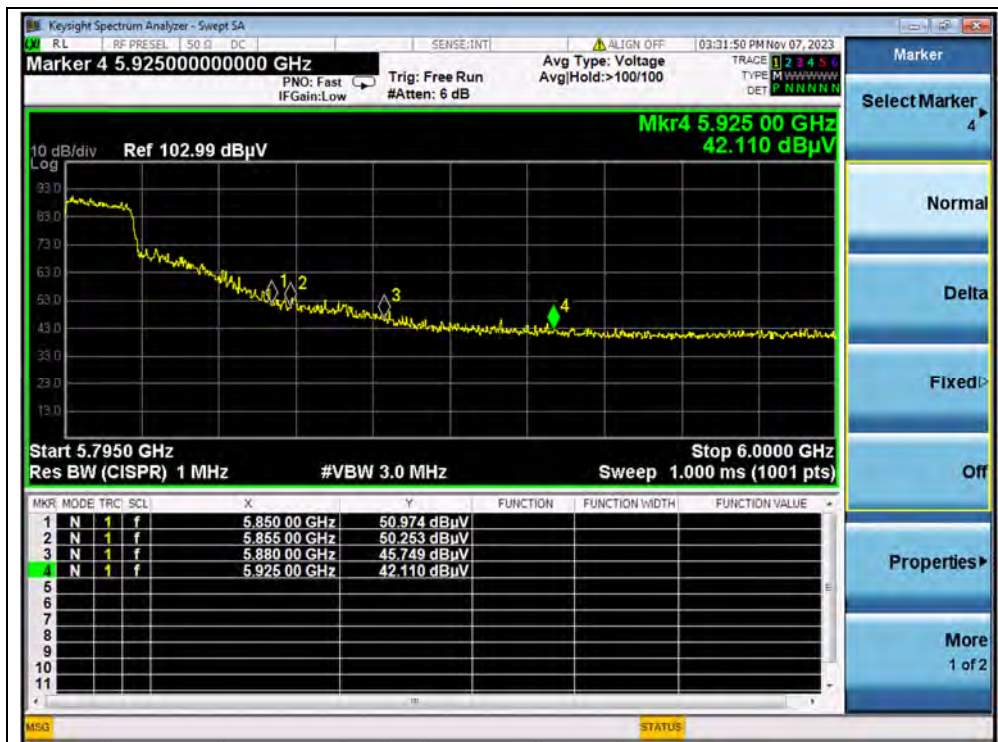
(AVERAGE, Channel 102, 802.11n (HT40))



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



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

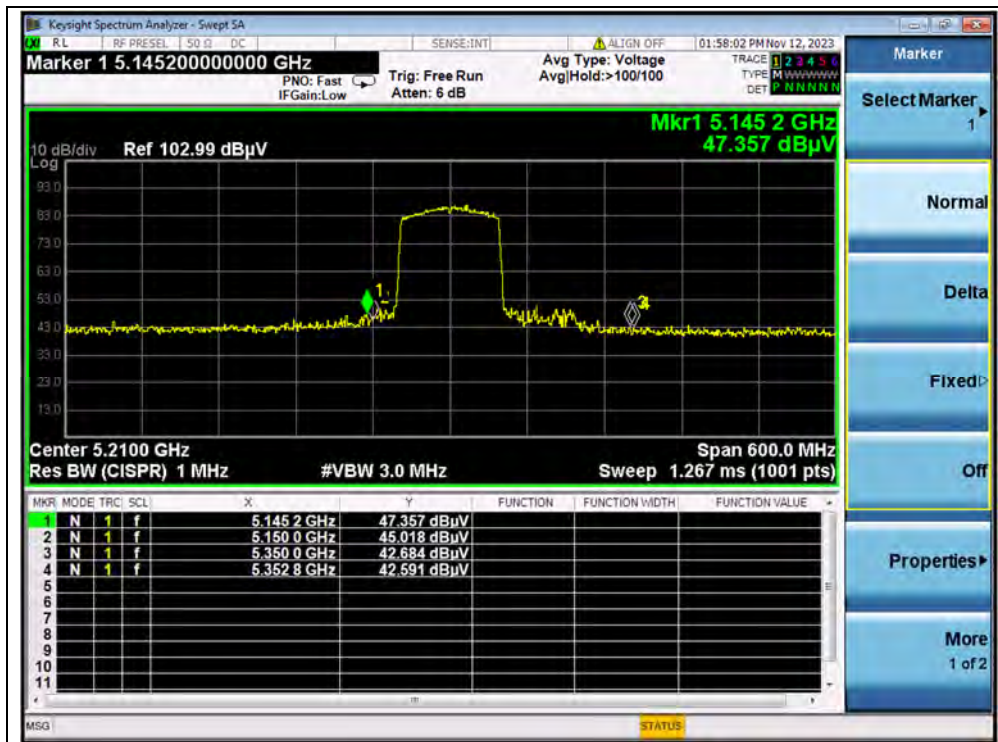


(PEAK, Channel 159, 802.11n (HT40))

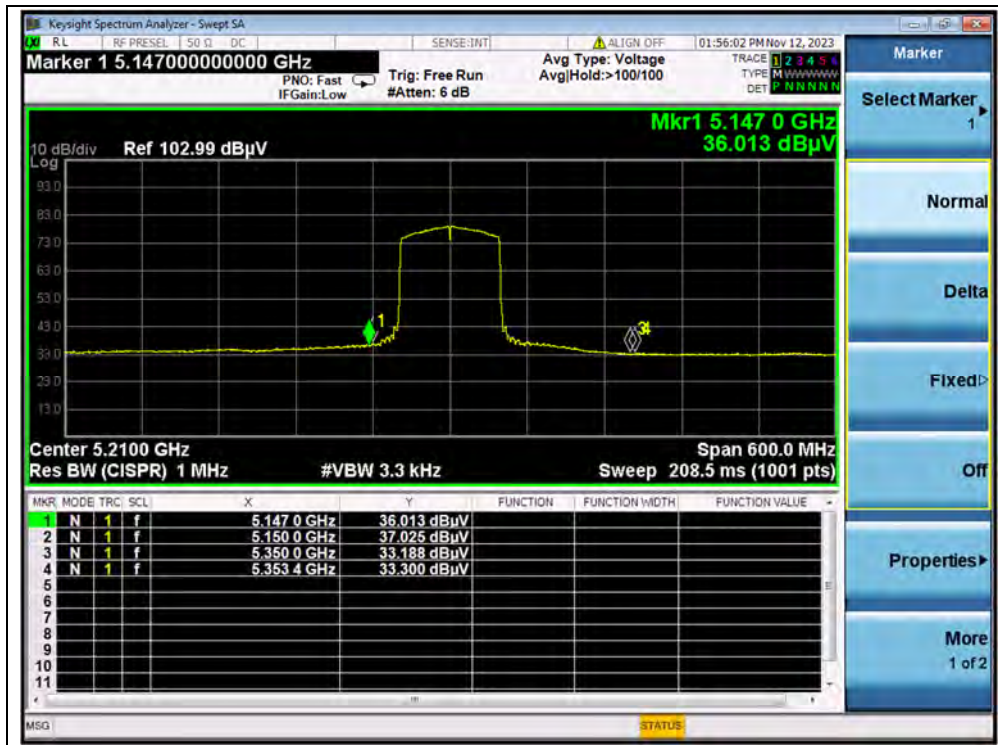


802.11ac (VHT80) Mode

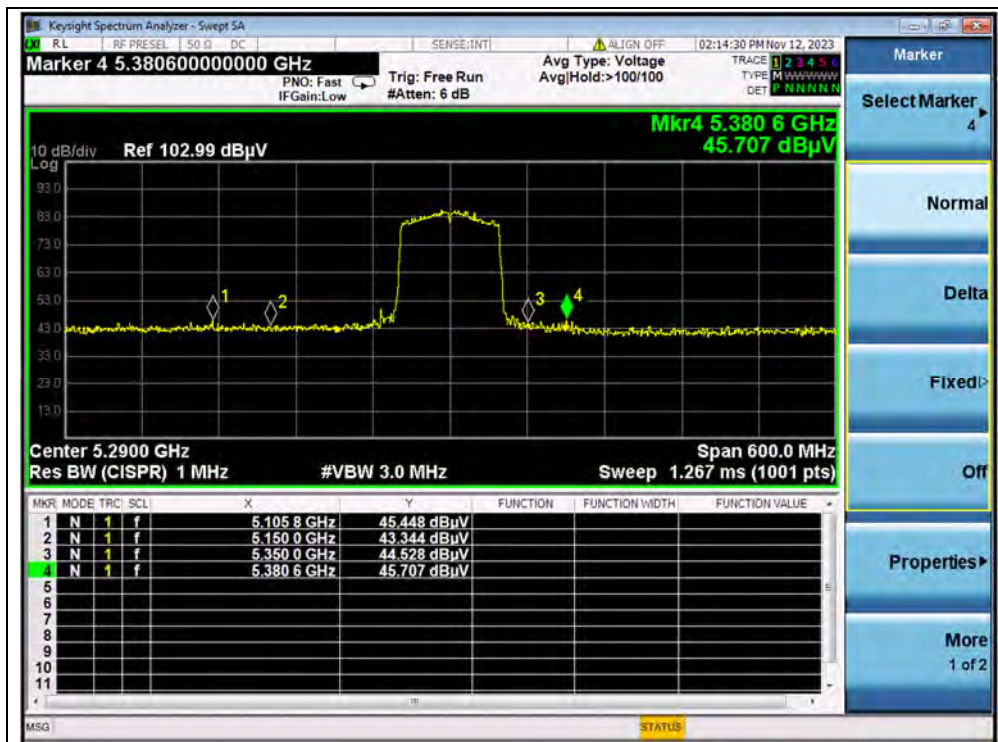
Channel	Frequency (MHz)	Detector	Receiver Reading	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U _R (dBμV)					
42	5145.20	PK	47.36	-19.54	32.20	60.02	74	PASS
42	5150.00	AV	37.03	-19.54	32.20	49.69	54	PASS
58	5380.60	PK	45.71	-18.80	32.20	59.11	74	PASS
58	5350.00	AV	35.82	-18.80	32.20	49.22	54	PASS
106	5466.93	PK	51.94	-19.20	32.20	64.94	68.23	PASS
106	5460.00	AV	37.05	-19.20	32.20	50.05	54	PASS
138	5727.00	PK	50.12	-19.20	32.20	63.12	68.23	PASS
155	5725.00	PK	69.97	-19.01	32.20	83.16	122.23	PASS
155	5855.00	PK	63.39	-19.01	32.20	76.58	110.83	PASS



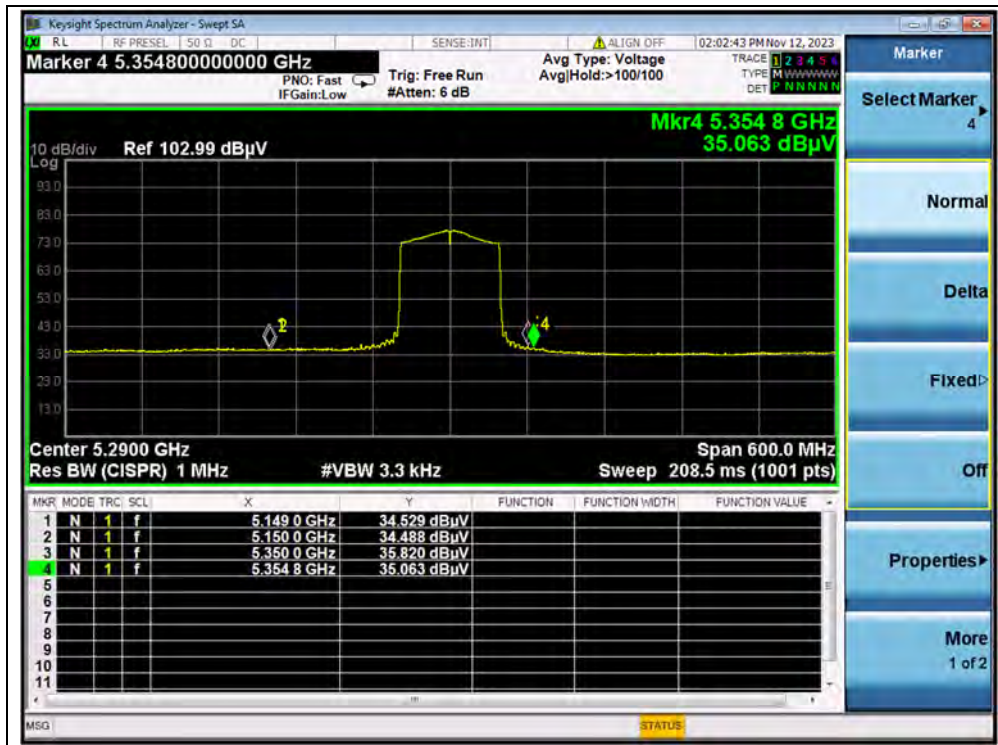
(PEAK, Channel 42, 802.11ac (VHT80))



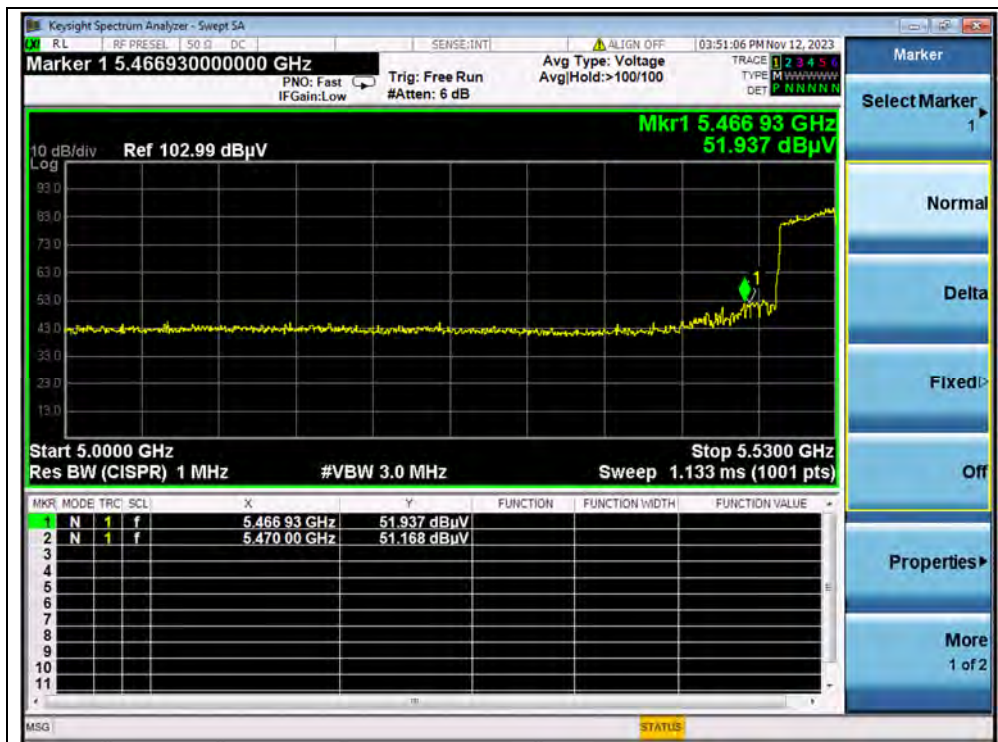
(AVERAGE, Channel 42, 802.11ac (VHT80))



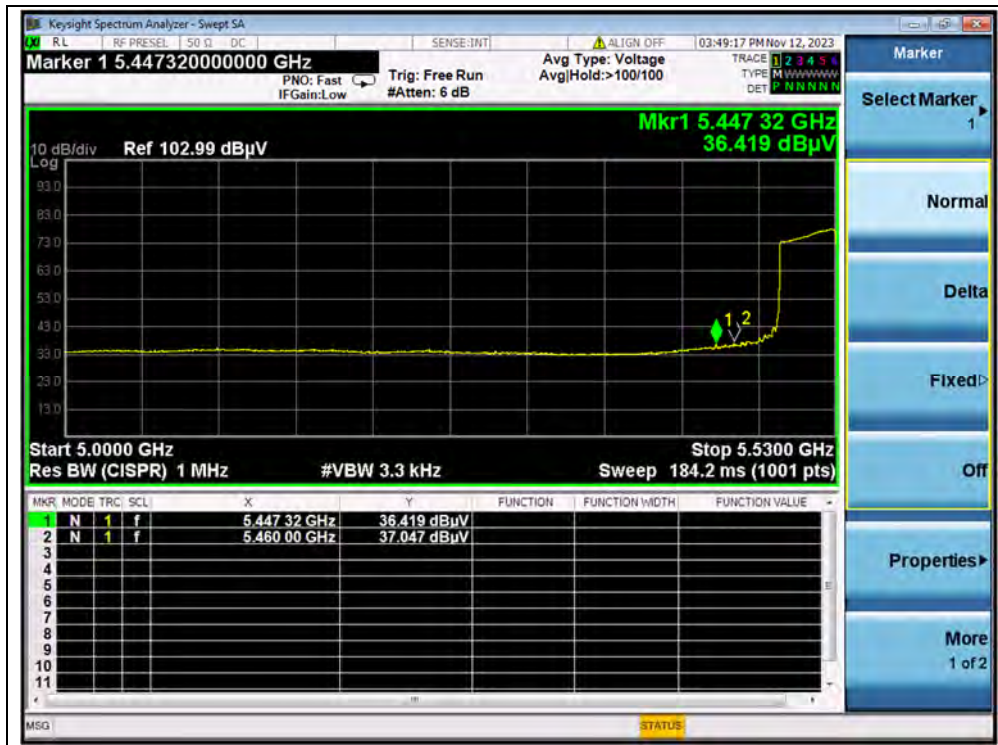
(PEAK, Channel 58, 802.11ac (VHT80))



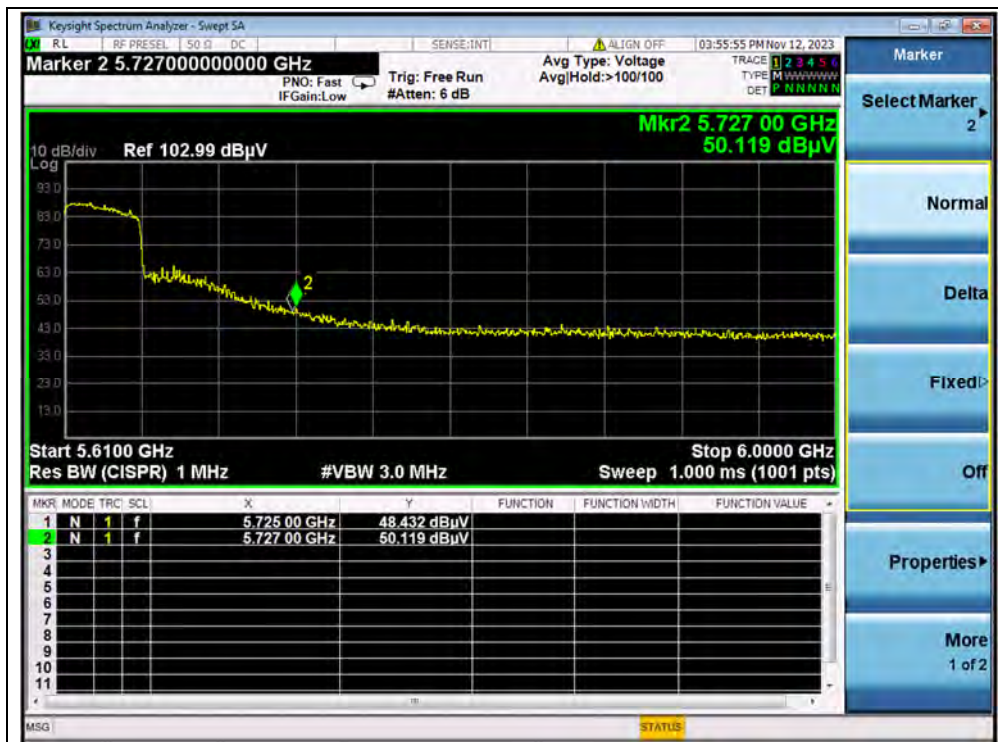
(AVERAGE, Channel 58, 802.11ac (VHT80))



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



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



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



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



A.9. Radiated Emission

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

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

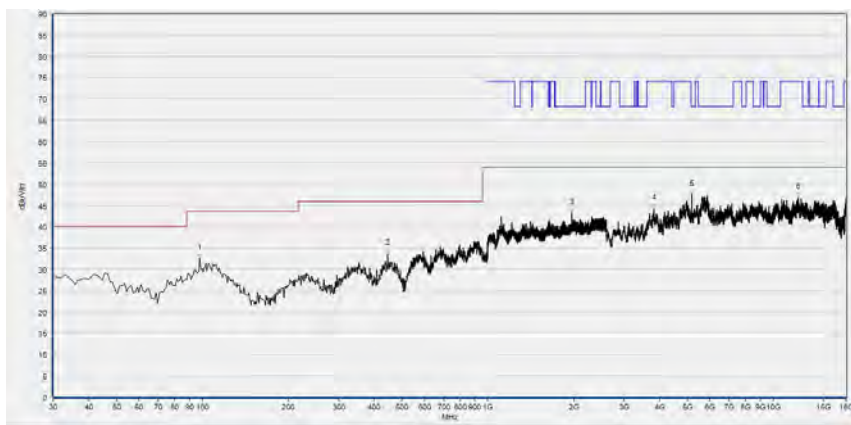
Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.



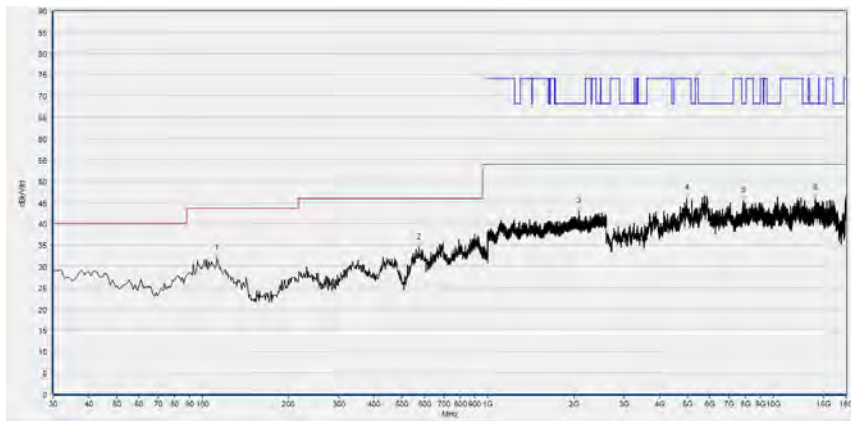
802.11a Mode

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
97.900	32.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
446.130	33.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1966.933	43.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3819.680	44.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5181.040	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12206.520	46.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

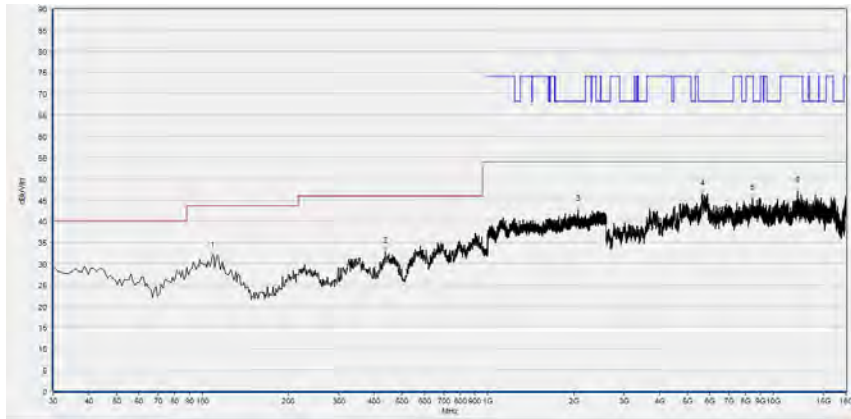
(Antenna Horizontal, 30MHz to 18GHz)



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
112.450	31.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.200	34.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2090.133	42.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4983.920	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7848.320	45.47	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14063.760	45.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

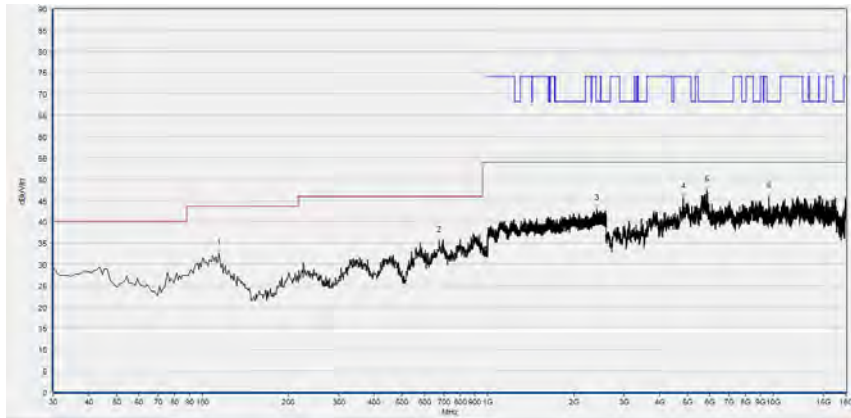
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	31.76	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
437.400	32.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2077.867	42.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8442.760	45.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12194.200	47.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

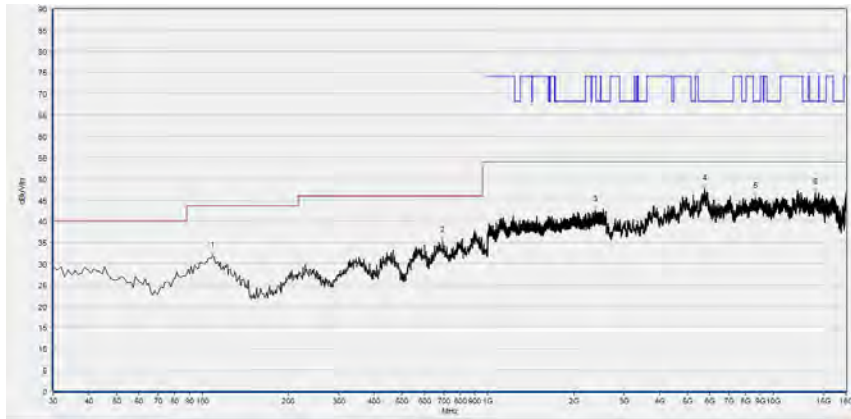
(Antenna Horizontal, 30MHz to 18GHz)



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
114.390	32.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
675.050	35.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2414.933	43.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4845.320	45.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	47.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9637.800	45.92	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

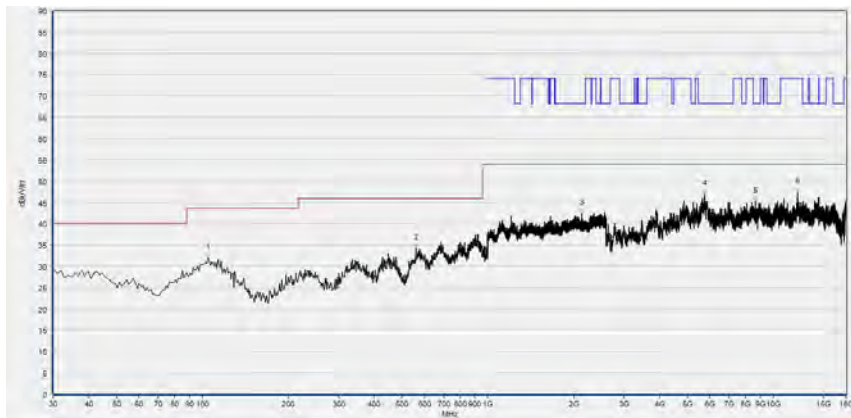
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
695.420	35.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2382.400	42.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5744.680	47.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8639.880	45.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14042.200	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

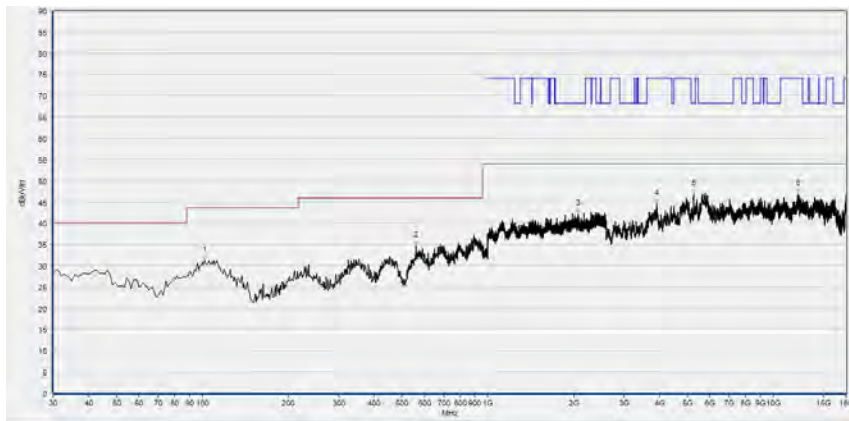
(Antenna Horizontal, 30MHz to 18GHz)



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
104.690	32.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
559.620	34.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2134.933	42.34	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5760.080	46.89	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8639.880	45.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12160.320	47.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

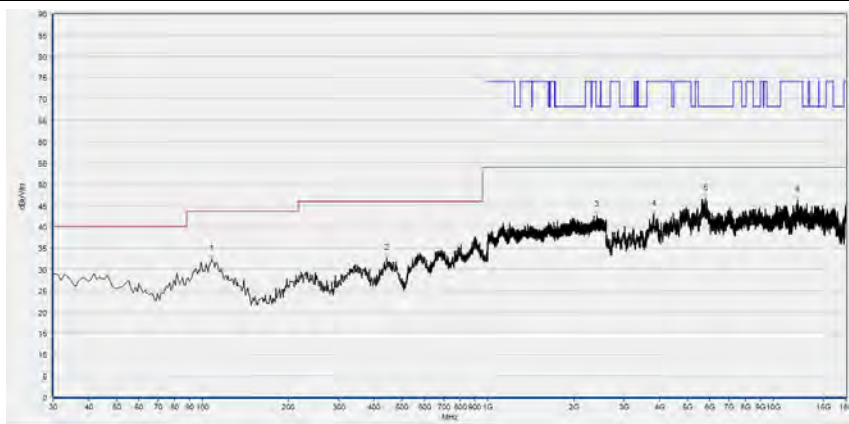
(Antenna Vertical, 30MHz to 18GHz)

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
101.780	31.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
560.590	34.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2073.067	42.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3909.000	44.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5261.120	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12209.600	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

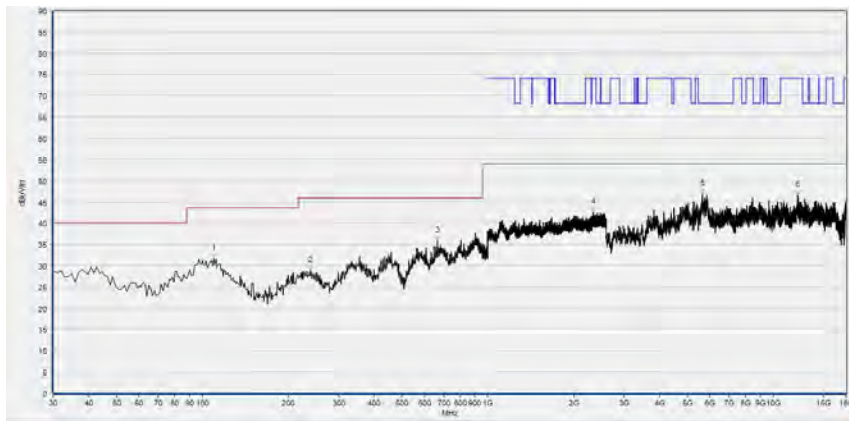
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	32.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
442.250	32.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2415.467	42.78	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3816.600	42.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5769.320	46.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12141.840	46.33	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

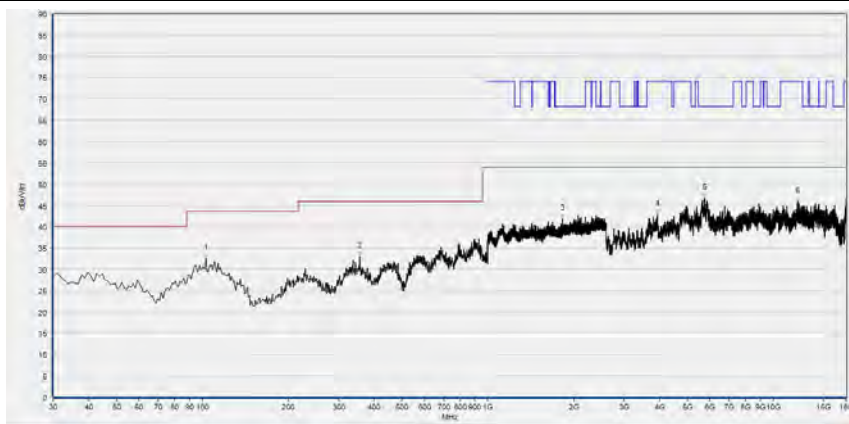
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	31.62	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	28.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
666.320	35.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2344.533	42.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5636.880	46.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	46.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

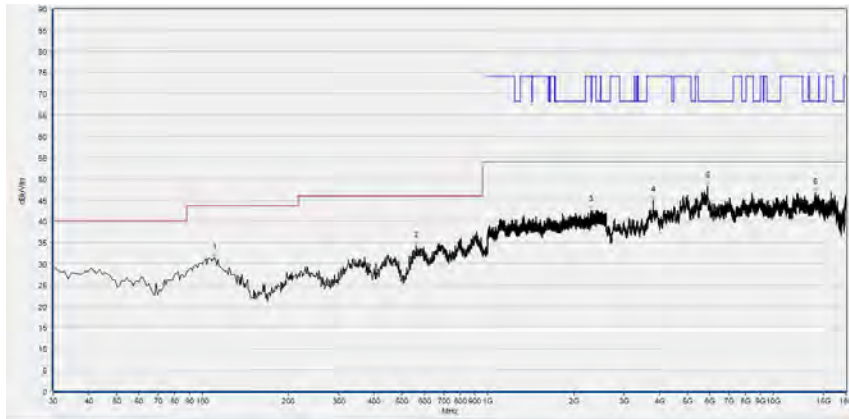
(Antenna Horizontal, 30MHz to 18GHz)



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
102.750	32.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
355.920	32.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1827.733	41.97	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3936.720	42.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5741.600	46.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12154.160	45.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

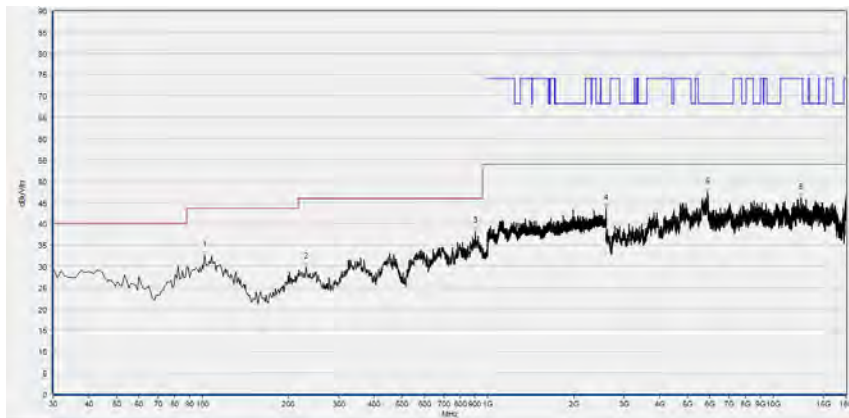
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
561.560	34.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2304.000	42.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3801.200	44.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5870.960	48.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14042.200	46.74	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

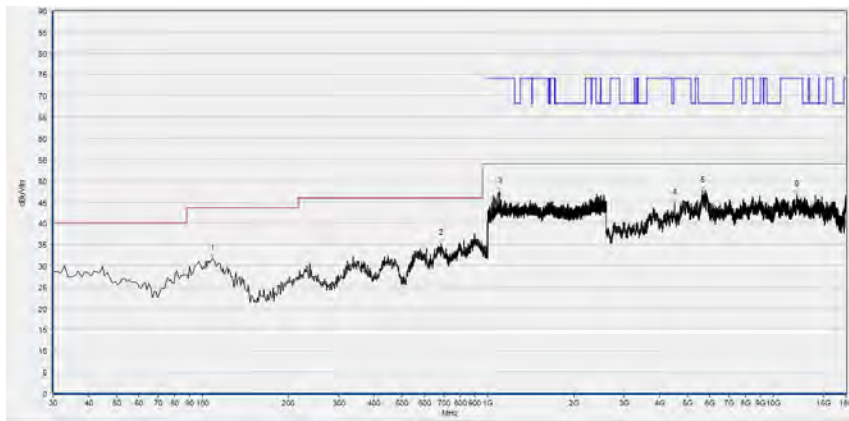
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	32.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	29.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.970	38.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2591.467	43.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5886.360	47.48	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12520.680	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

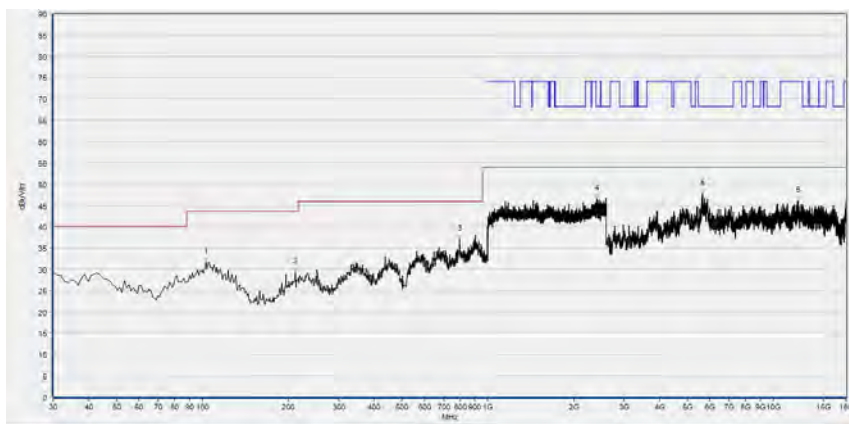
(Antenna Vertical, 30MHz to 18GHz)

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
108.570	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
687.660	35.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1098.133	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4506.520	44.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5649.200	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12067.920	46.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

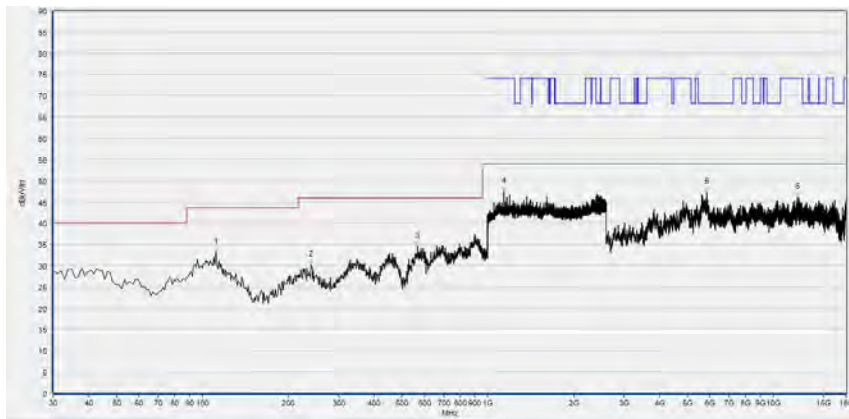
(Antenna Horizontal, 30MHz to 18GHz)



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
102.750	31.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
211.390	29.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
795.330	36.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.667	46.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5661.520	47.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12203.440	46.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

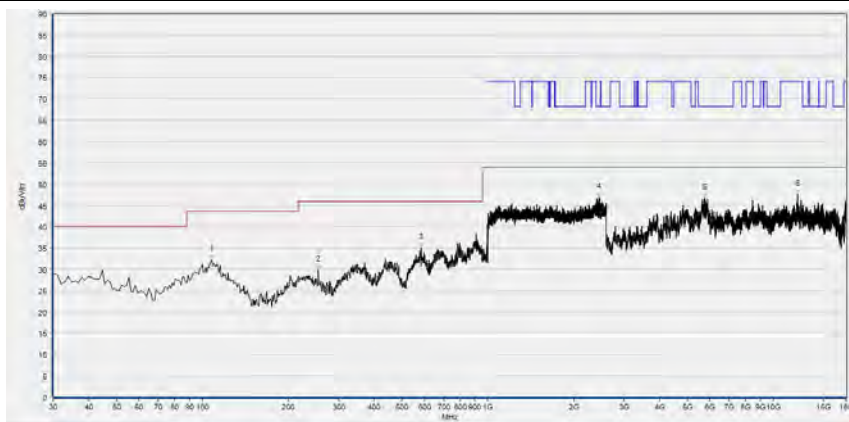
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	33.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
240.490	30.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
567.380	34.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1138.667	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5858.640	47.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	46.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

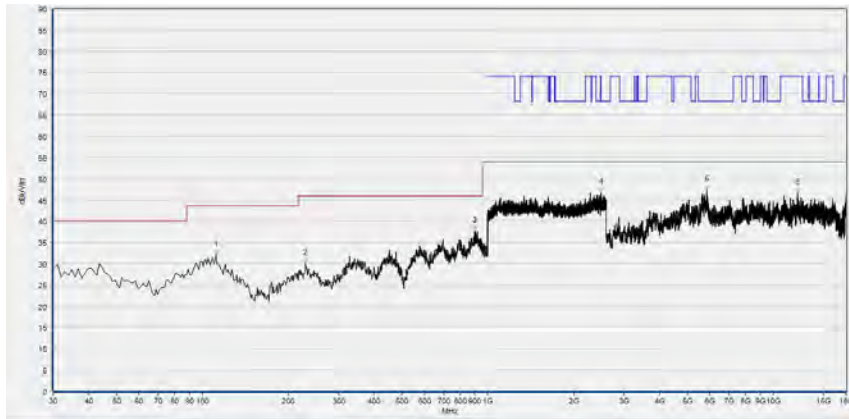
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	32.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
255.040	29.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
584.840	35.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2451.733	46.88	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	46.74	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	47.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

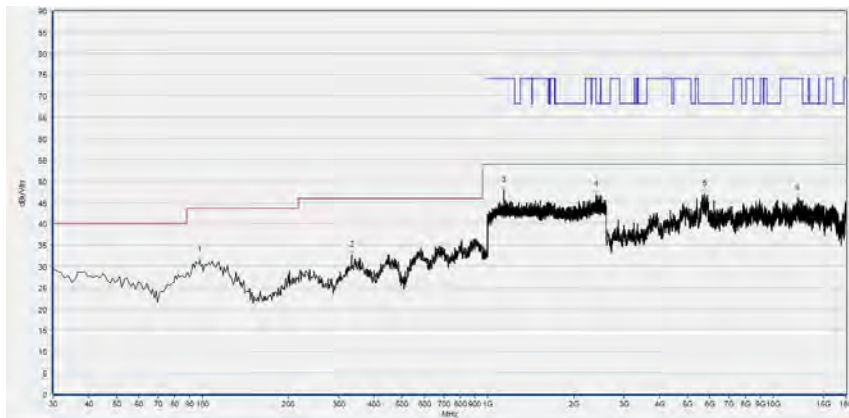
(Antenna Vertical, 30MHz to 18GHz)

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
111.480	32.08	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	30.06	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.060	37.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2491.733	46.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5849.400	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	46.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

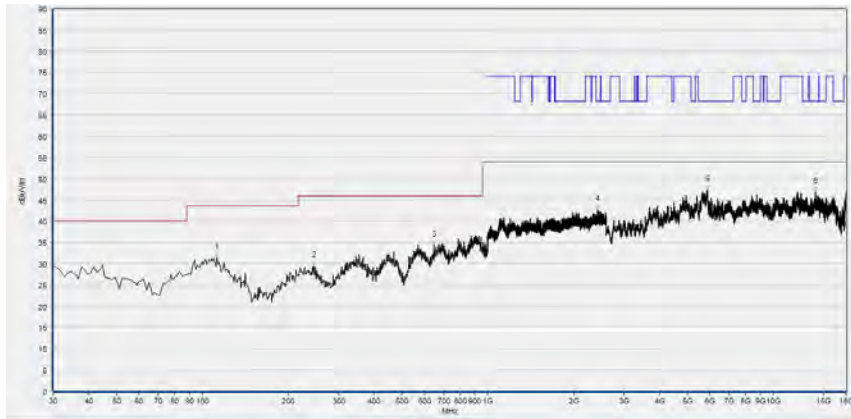
(Antenna Horizontal, 30MHz to 18GHz)



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
97.900	31.36	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
333.610	32.49	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1138.667	47.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2400.000	46.84	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5753.920	46.90	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12197.280	45.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

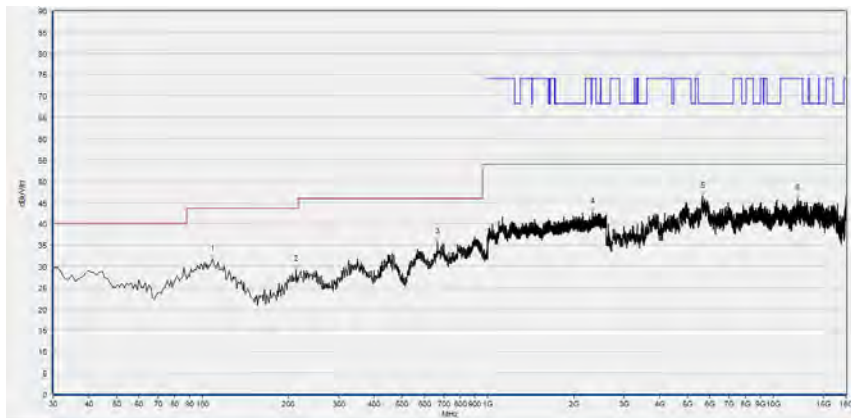
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
245.340	29.44	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
646.920	34.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2416.533	42.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5877.120	47.48	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14020.640	46.91	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

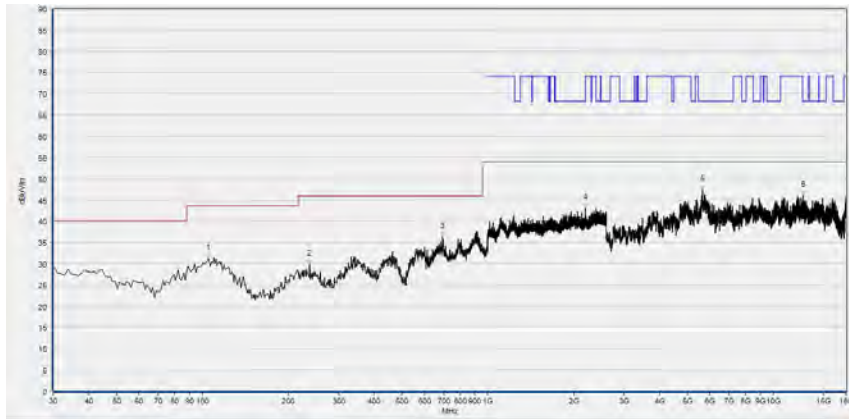
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	31.67	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
212.360	29.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
666.320	35.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2333.333	42.66	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5649.200	46.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12166.480	45.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

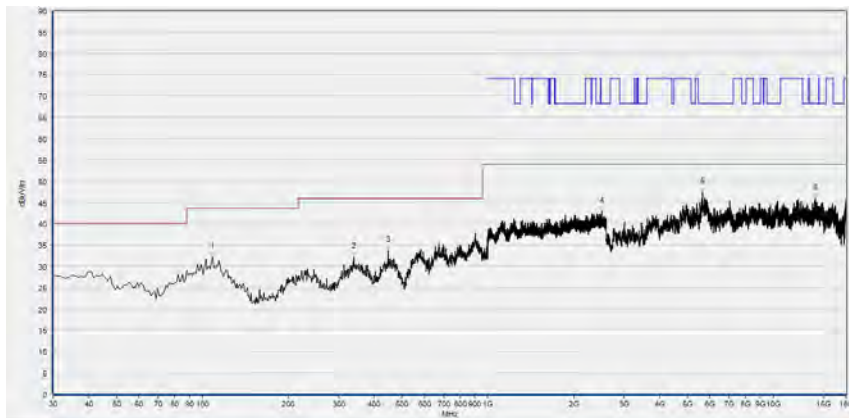
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	31.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
237.580	29.86	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
695.420	36.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2191.467	43.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5655.360	47.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12736.280	46.08	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

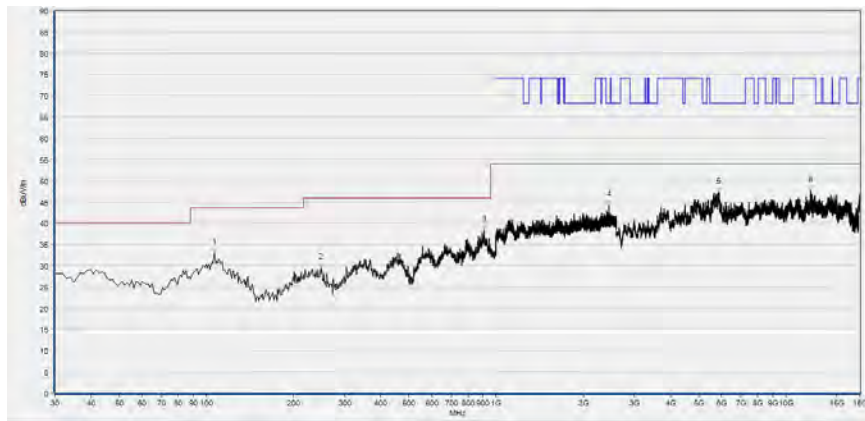
(Antenna Horizontal, 30MHz to 18GHz)



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
108.570	32.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
339.430	32.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
447.100	33.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2503.467	42.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5643.040	47.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14063.760	45.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

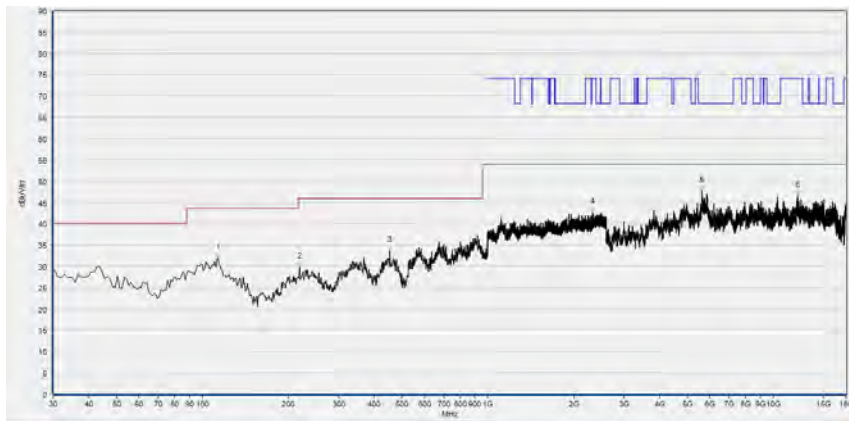
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dB μ V/m)	QP (dB μ V/m)	AV (dB μ V/m)	Limit-PK (dB μ V/m)	Limit-QP (dB μ V/m)	Limit-AV (dB μ V/m)	Antenna	Verdict
106.630	32.98	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
248.250	29.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
907.850	38.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.600	44.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5855.560	47.25	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12157.240	47.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



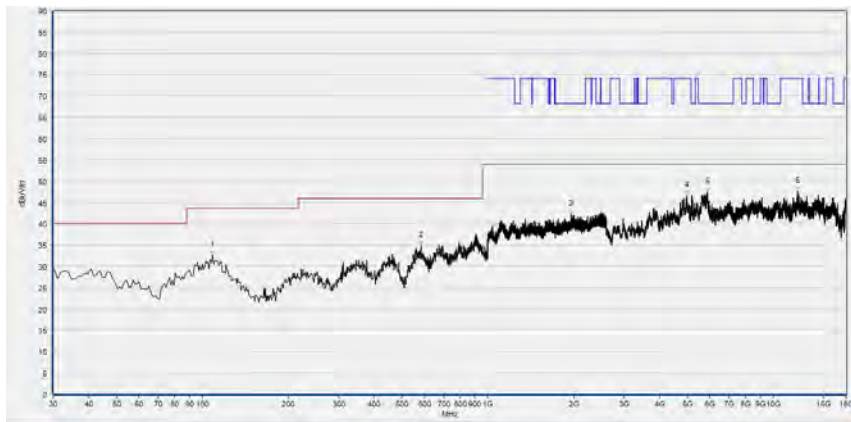
Fre. (MHz)	PK (dB μ V/m)	QP (dB μ V/m)	AV (dB μ V/m)	Limit-PK (dB μ V/m)	Limit-QP (dB μ V/m)	Limit-AV (dB μ V/m)	Antenna	Verdict
113.420	31.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
219.150	29.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
453.890	33.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2329.600	42.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5633.800	47.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12181.880	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



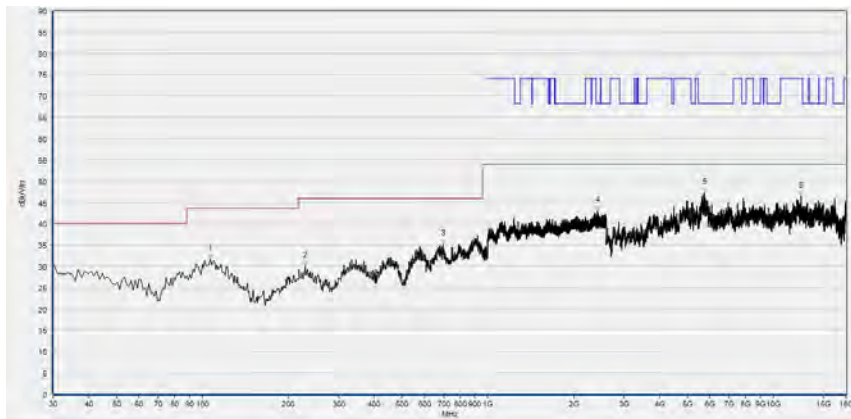
802.11n (HT40) mode

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
108.570	32.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.900	34.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1955.200	42.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4993.160	46.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5874.040	47.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12163.400	47.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

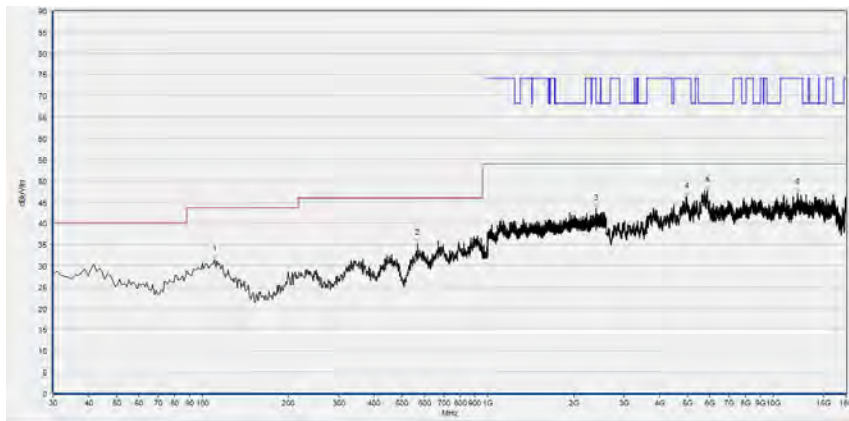
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	31.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
228.850	30.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
696.390	35.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2427.200	43.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5766.240	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12520.680	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

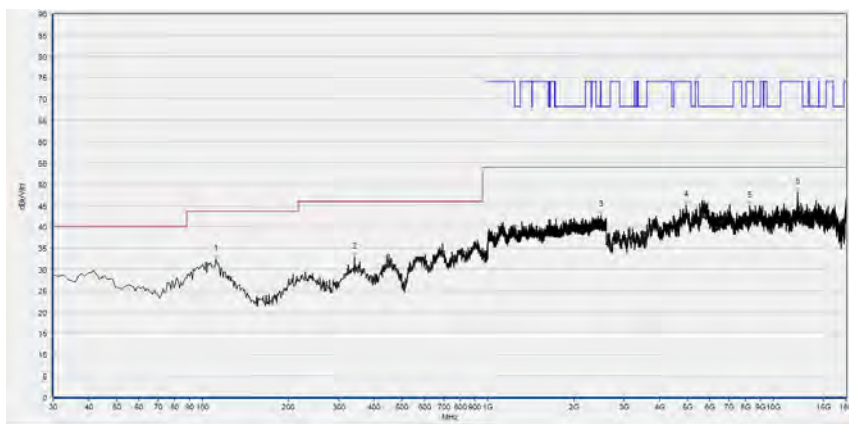
(Antenna Vertical, 30MHz to 18GHz)

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
110.510	31.28	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
566.410	35.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2398.400	43.40	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4968.520	46.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5874.040	47.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12154.160	47.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

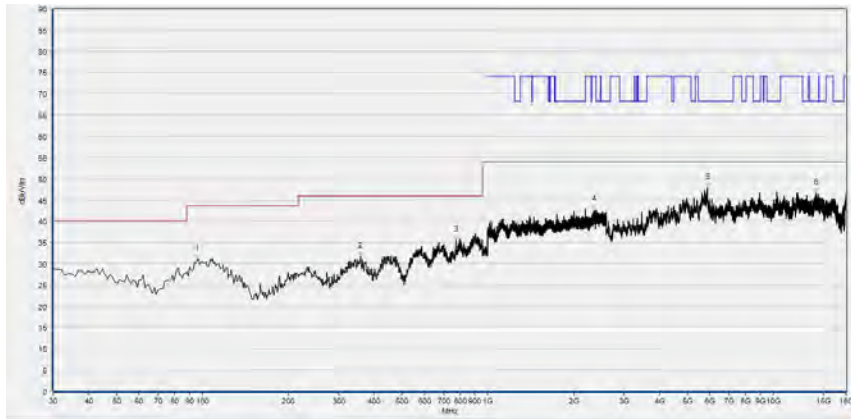
(Antenna Horizontal, 30MHz to 18GHz)



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
111.480	32.29	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
341.370	32.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2491.200	42.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4956.200	45.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8279.520	44.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12169.560	48.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

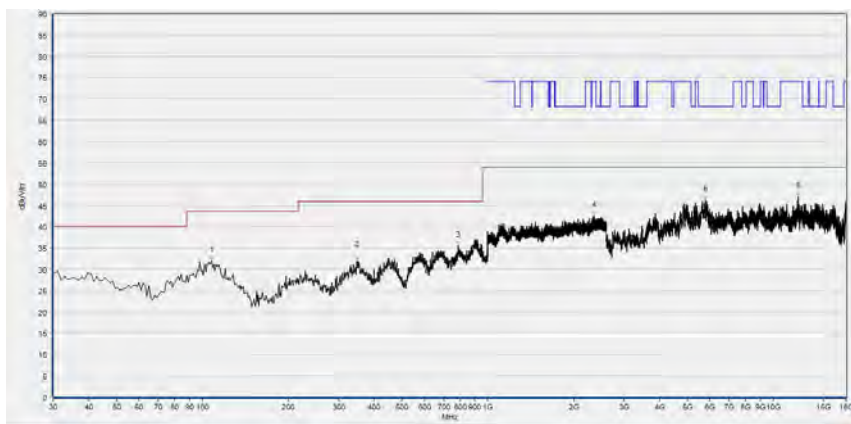
(Antenna Vertical, 30MHz to 18GHz)

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
95.960	30.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
357.860	31.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
772.050	35.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2360.533	42.71	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5874.040	48.01	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14094.560	46.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

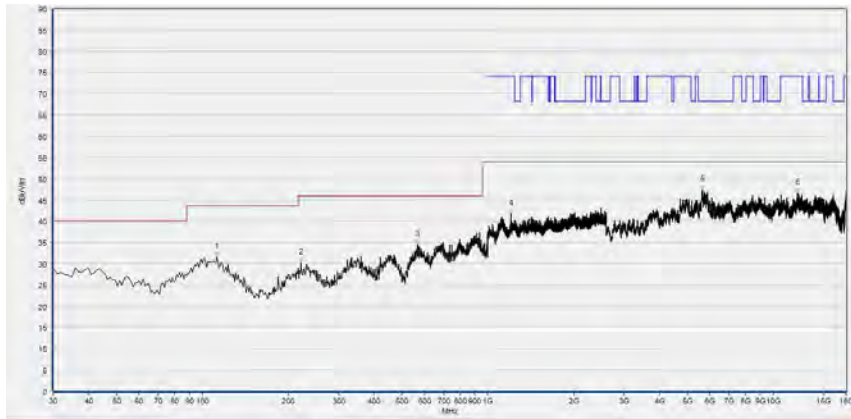
(Antenna Horizontal, 30MHz to 18GHz)



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
107.600	31.94	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
347.190	32.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
787.570	35.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2354.133	42.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5772.400	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12200.360	47.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

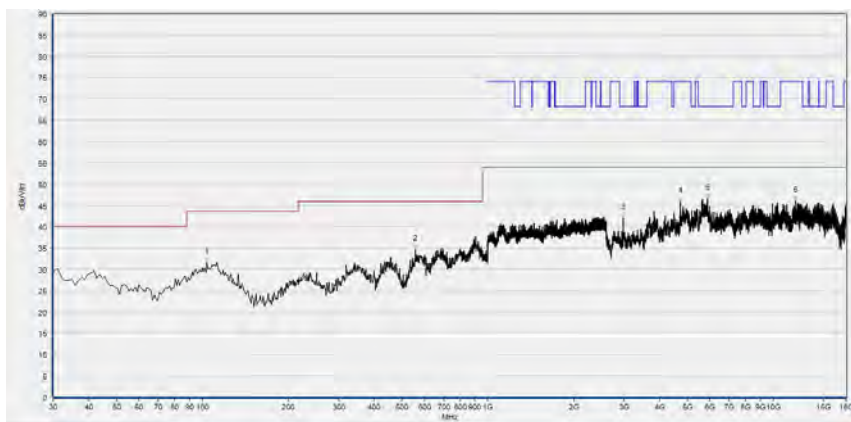
(Antenna Vertical, 30MHz to 18GHz)

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
112.450	31.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
221.090	30.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
567.380	34.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1203.200	41.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5636.880	47.39	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12148.000	46.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

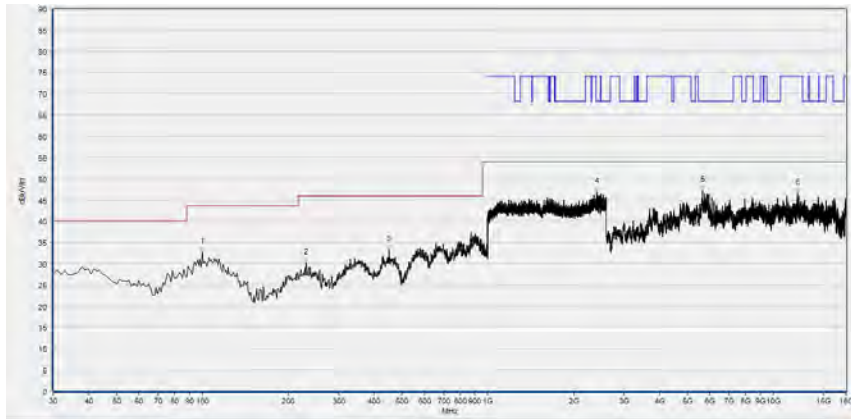
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	31.62	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
556.710	34.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2981.920	42.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4722.120	45.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5870.960	46.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11926.240	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

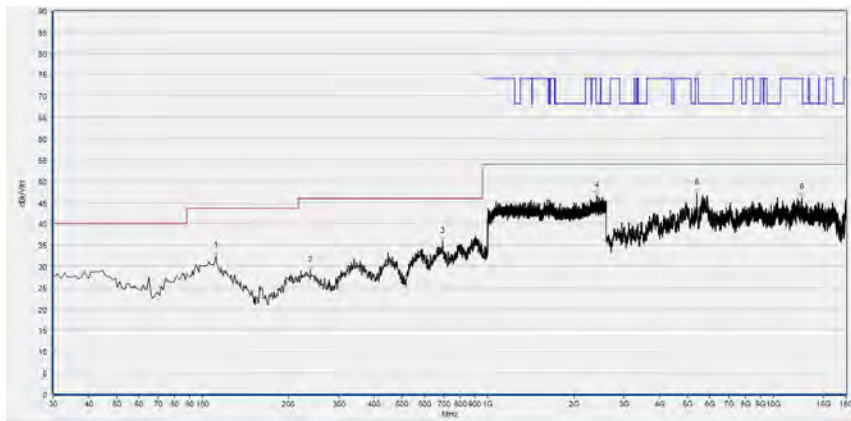
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	32.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
230.790	30.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
450.980	33.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.067	47.00	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5649.200	47.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12178.800	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

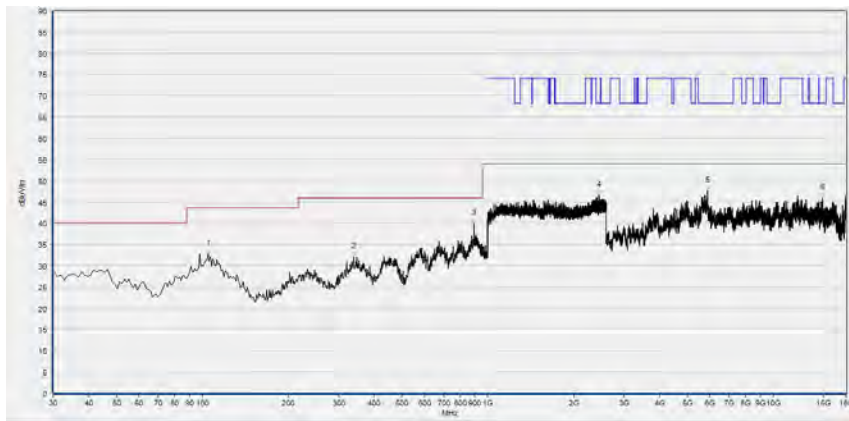
(Antenna Horizontal, 30MHz to 18GHz)



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
111.480	32.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
239.520	29.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
695.420	35.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2413.867	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5399.720	47.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12603.840	46.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

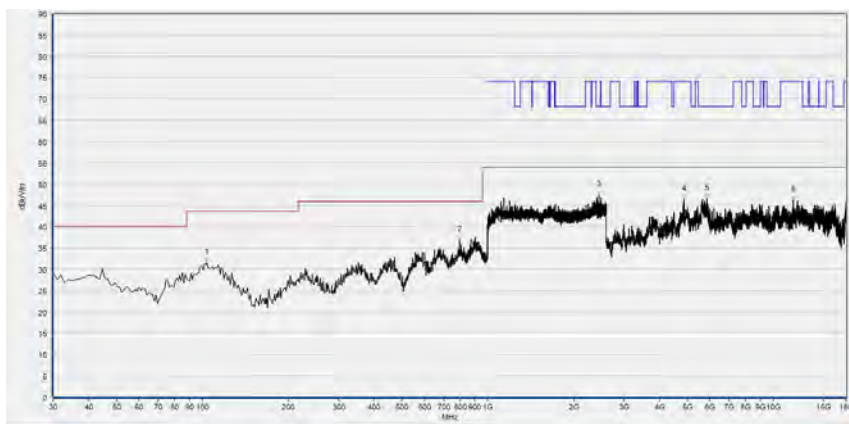
(Antenna Vertical, 30MHz to 18GHz)

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
104.690	32.68	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
339.430	31.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.210	39.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2457.067	46.52	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5870.960	47.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14846.080	45.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

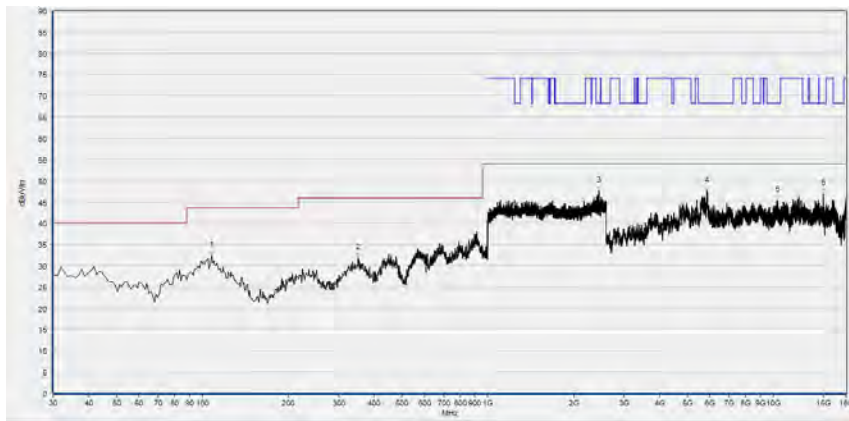
(Antenna Horizontal, 30MHz to 18GHz)



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
103.720	31.48	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
795.330	36.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2450.133	47.45	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4854.560	46.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5864.800	46.59	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11735.280	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

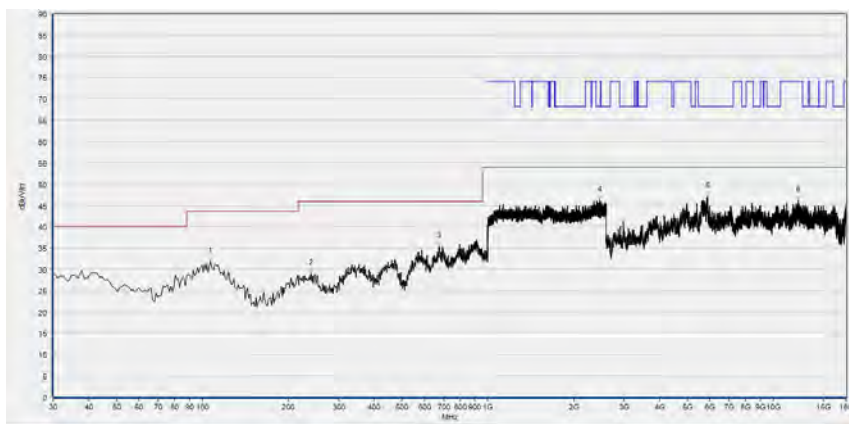
(Antenna Vertical, 30MHz to 18GHz)

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
107.600	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
351.070	31.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	47.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5861.720	47.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10333.880	45.38	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
15003.160	46.88	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

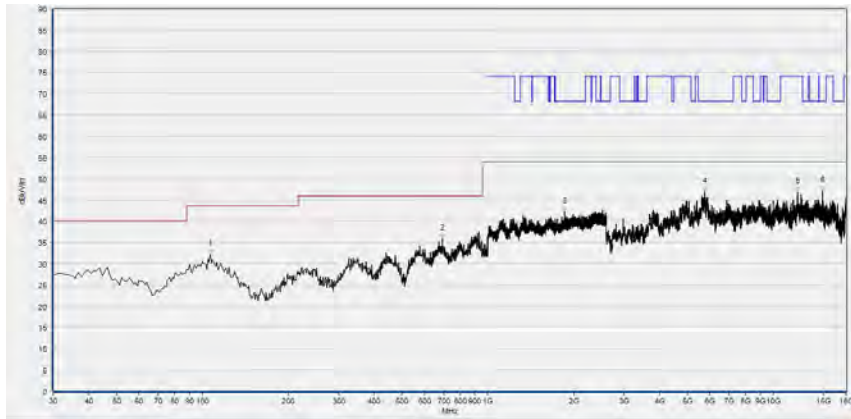
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	31.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
240.490	28.97	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
673.110	35.29	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2458.133	46.21	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5877.120	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12212.680	46.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

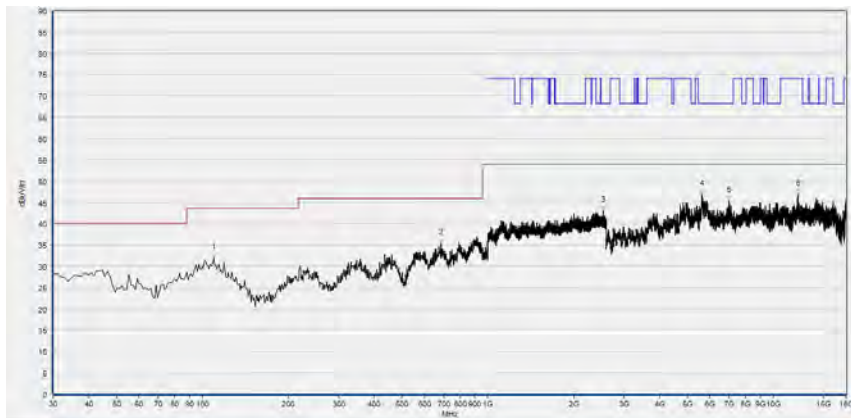
(Antenna Vertical, 30MHz to 18GHz)

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
106.630	32.20	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
692.510	35.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1857.600	42.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5747.760	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12191.120	46.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14867.640	47.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

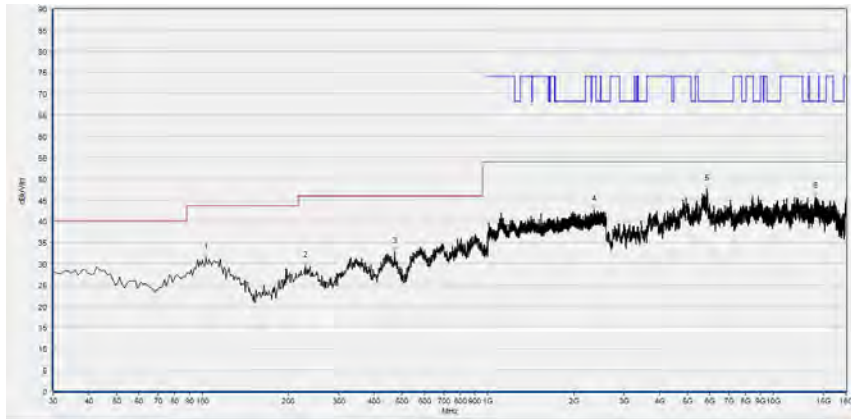
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	31.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
683.780	35.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2536.533	43.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5633.800	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7001.320	45.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12200.360	46.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

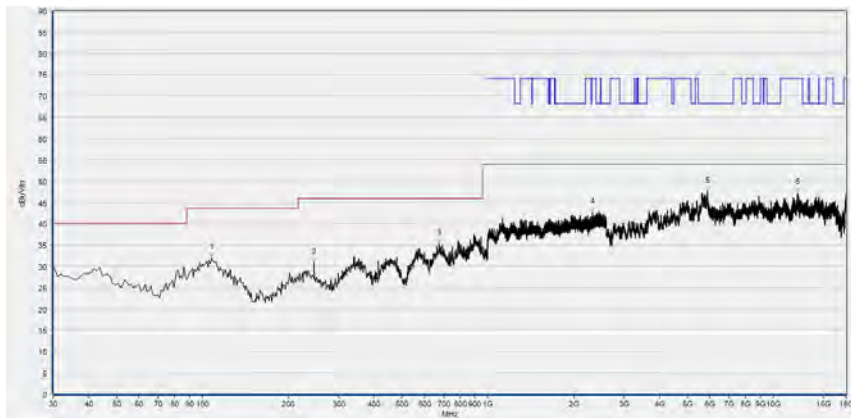
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.750	31.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
229.820	29.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
472.320	32.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2360.533	42.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5852.480	47.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14054.520	45.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



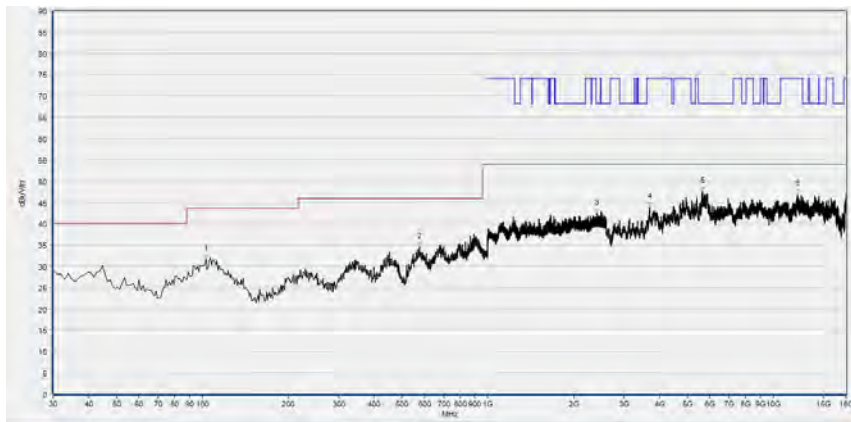
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	32.04	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
246.310	30.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
675.050	35.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2326.933	42.73	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5874.040	47.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12191.120	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



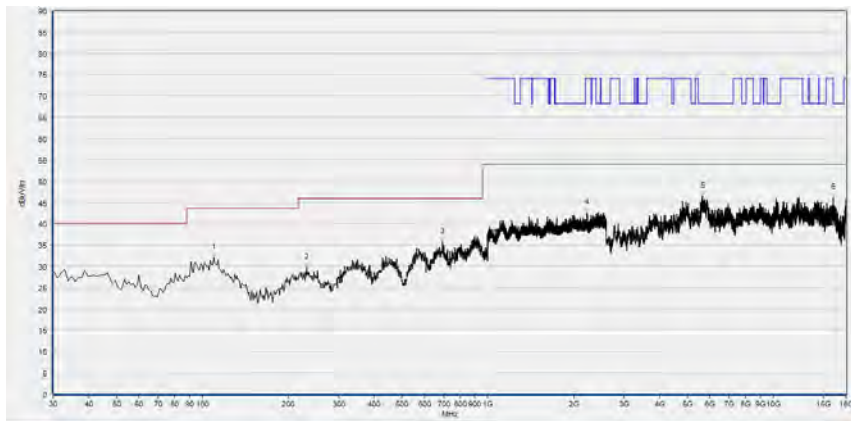
802.11ac (VHT80) Mode

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
102.750	31.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.110	34.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2409.600	42.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
3693.400	43.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5646.120	47.67	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12172.640	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

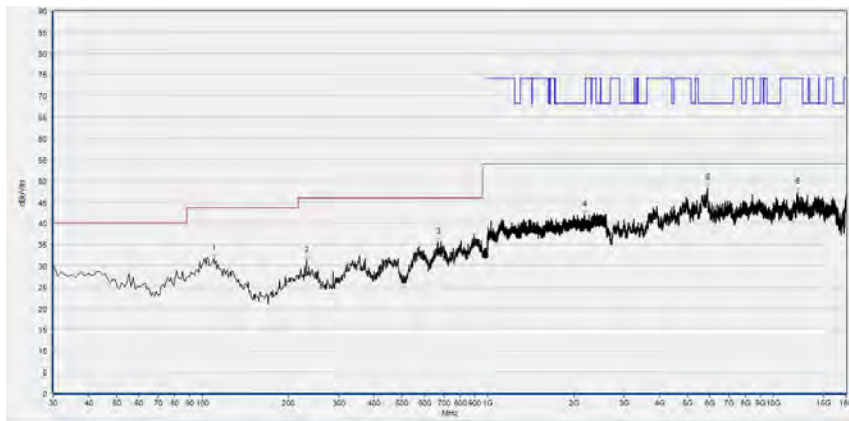
(Antenna Horizontal, 30MHz to 18GHz)



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
109.540	32.09	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
231.760	29.69	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
694.450	35.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2219.200	42.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5643.040	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
16198.200	46.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

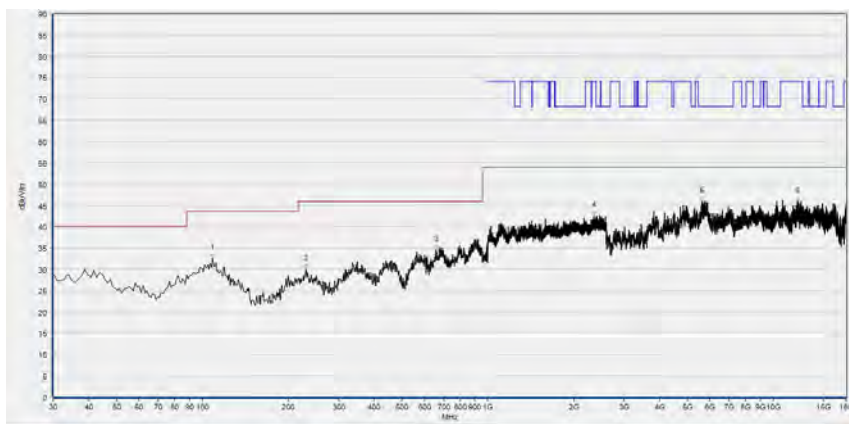
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	31.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.760	31.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
668.260	35.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2185.600	41.83	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5880.200	48.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12151.080	47.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

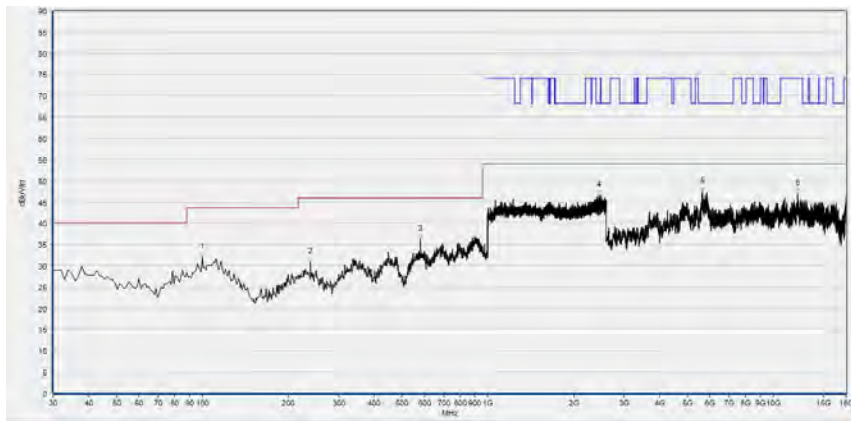
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.570	32.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
230.790	29.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
658.560	34.60	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2347.200	42.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5633.800	46.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12148.000	45.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

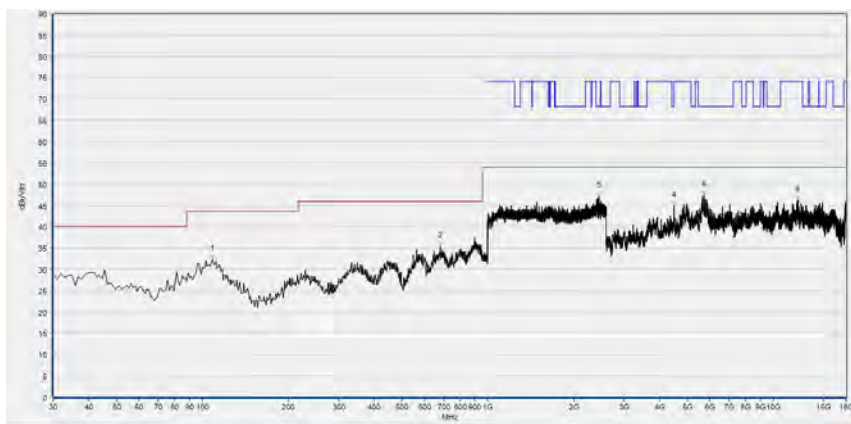
(Antenna Vertical, 30MHz to 18GHz)

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
99.840	32.09	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
239.520	30.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
580.960	36.23	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.067	46.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5643.040	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12197.280	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

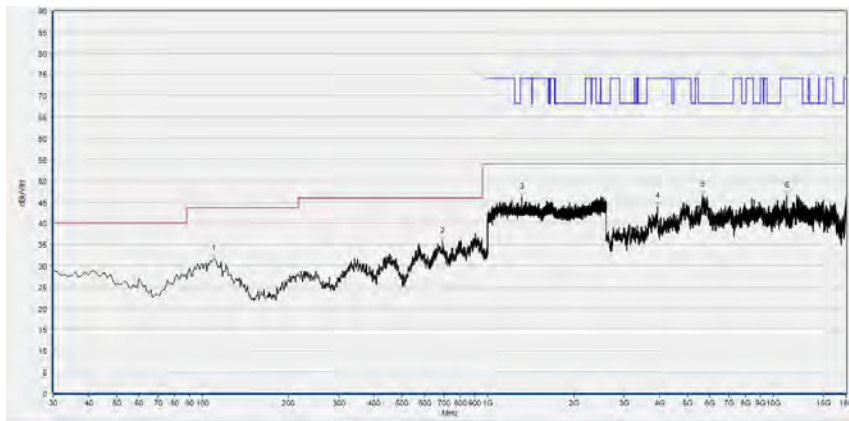
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
679.900	35.44	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2456.000	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4494.200	44.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5732.360	47.44	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12151.080	46.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

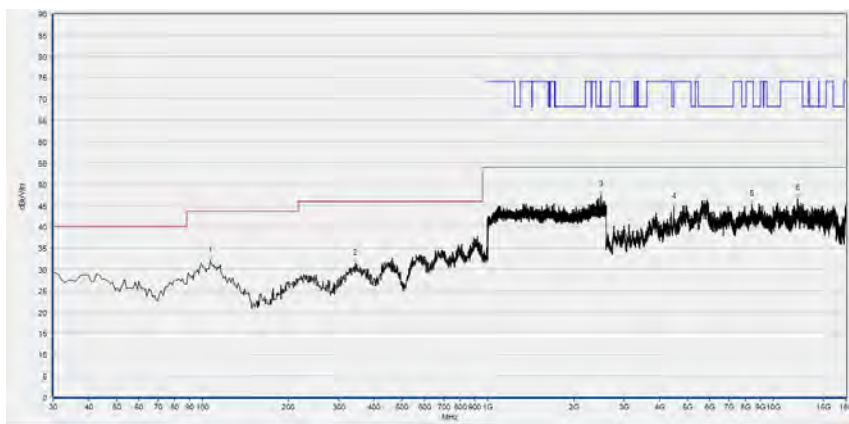
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	31.58	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
695.420	35.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1312.000	46.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3924.400	43.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5639.960	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11143.920	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

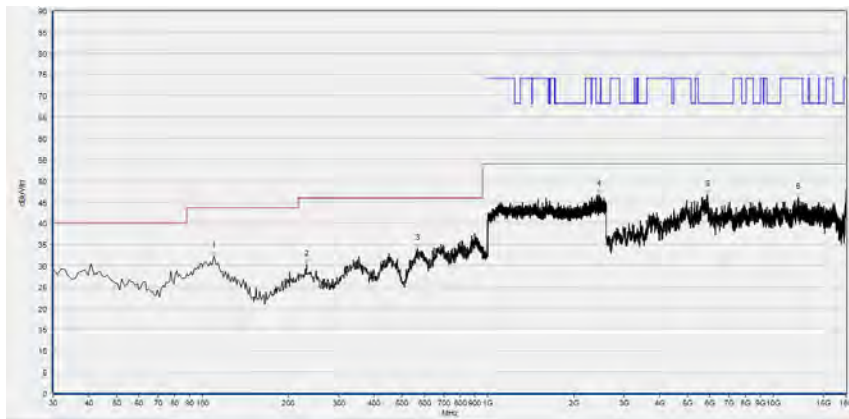
(Antenna Horizontal, 30MHz to 18GHz)



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
106.630	32.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
344.280	31.40	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2490.133	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4475.720	44.57	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8418.120	45.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12197.280	46.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

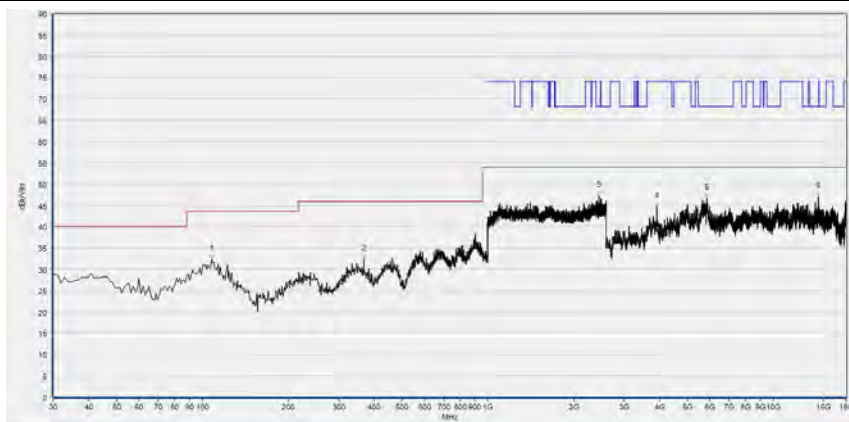
(Antenna Vertical, 30MHz to 18GHz)

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
109.540	32.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
231.760	30.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
568.350	33.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2449.600	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5886.360	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12228.080	46.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

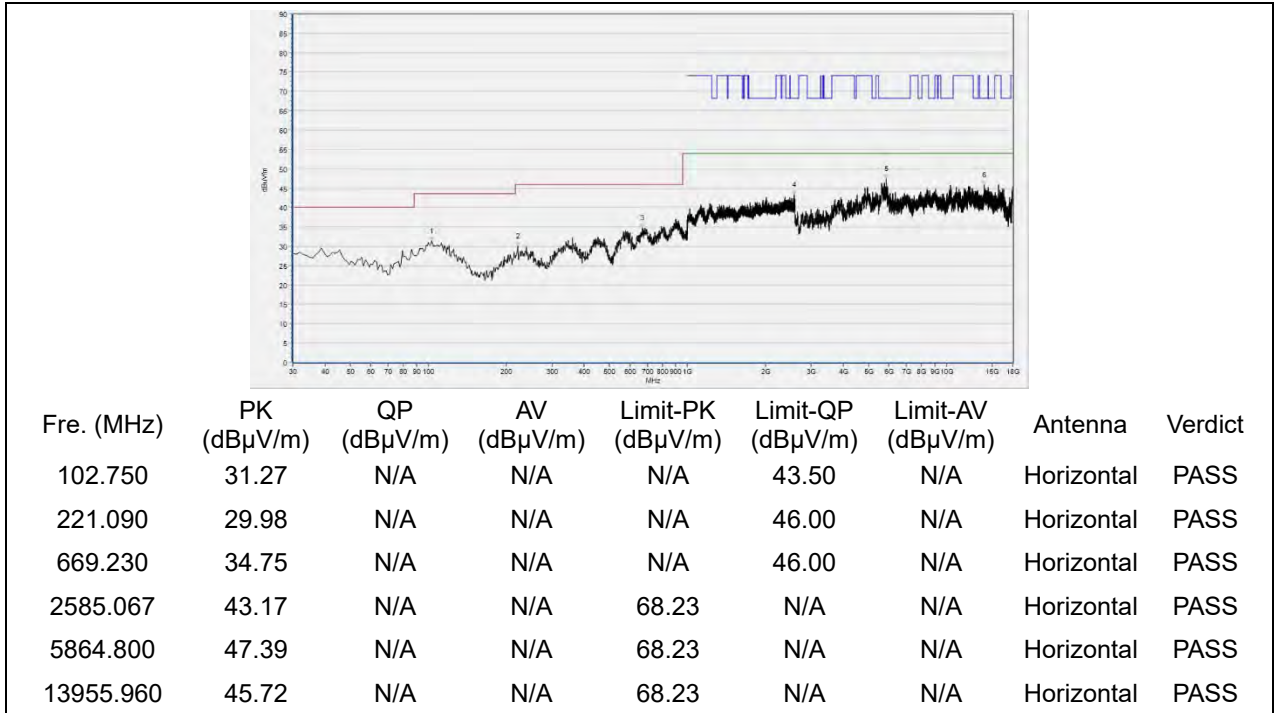


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.600	32.41	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
367.560	32.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2446.933	47.33	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
3912.080	44.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5861.720	46.83	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14414.880	47.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

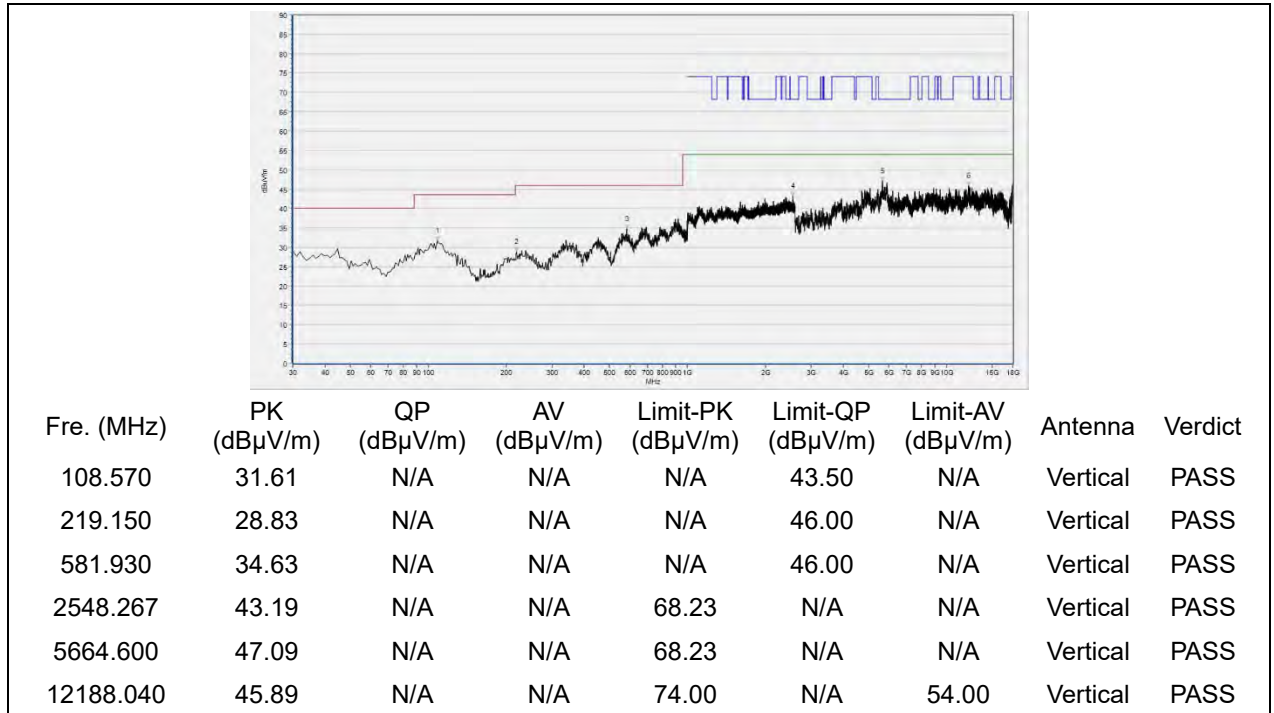
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 155



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT