



PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1





PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1



PSD NVNT n20 5745MHz Ant1





PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1





PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1





PSD NVNT n40 5670MHz Ant1



PSD NVNT n40 5755MHz Ant1





PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1



PSD NVNT ac20 5240MHz Ant1





PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1





PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac20 5500MHz Ant1





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PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1





PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1





PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1





PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1





PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5670MHz Ant1





PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1





PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1





PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1





PSD NVNT ac80 5690MHz Ant1



PSD NVNT ac80 5775MHz Ant1



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.55V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 4.40V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-30C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-20C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
-10C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
0C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
10C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
30C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
40C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
50C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
55C 3.85V	Carrier	5180	Ant1	5179.983	-17000	-3.28	25	Pass
20C 3.55V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 4.40V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-30C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-20C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
-10C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
0C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
10C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
30C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
40C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
50C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
55C 3.85V	Carrier	5260	Ant1	5259.981	-19000	-3.61	25	Pass
20C 3.55V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
20C 4.40V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-30C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-20C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
-10C 3.85V	Carrier	5500	Ant1	5499.977	-23000	-4.18	25	Pass
0C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
10C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
20C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
30C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
40C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass



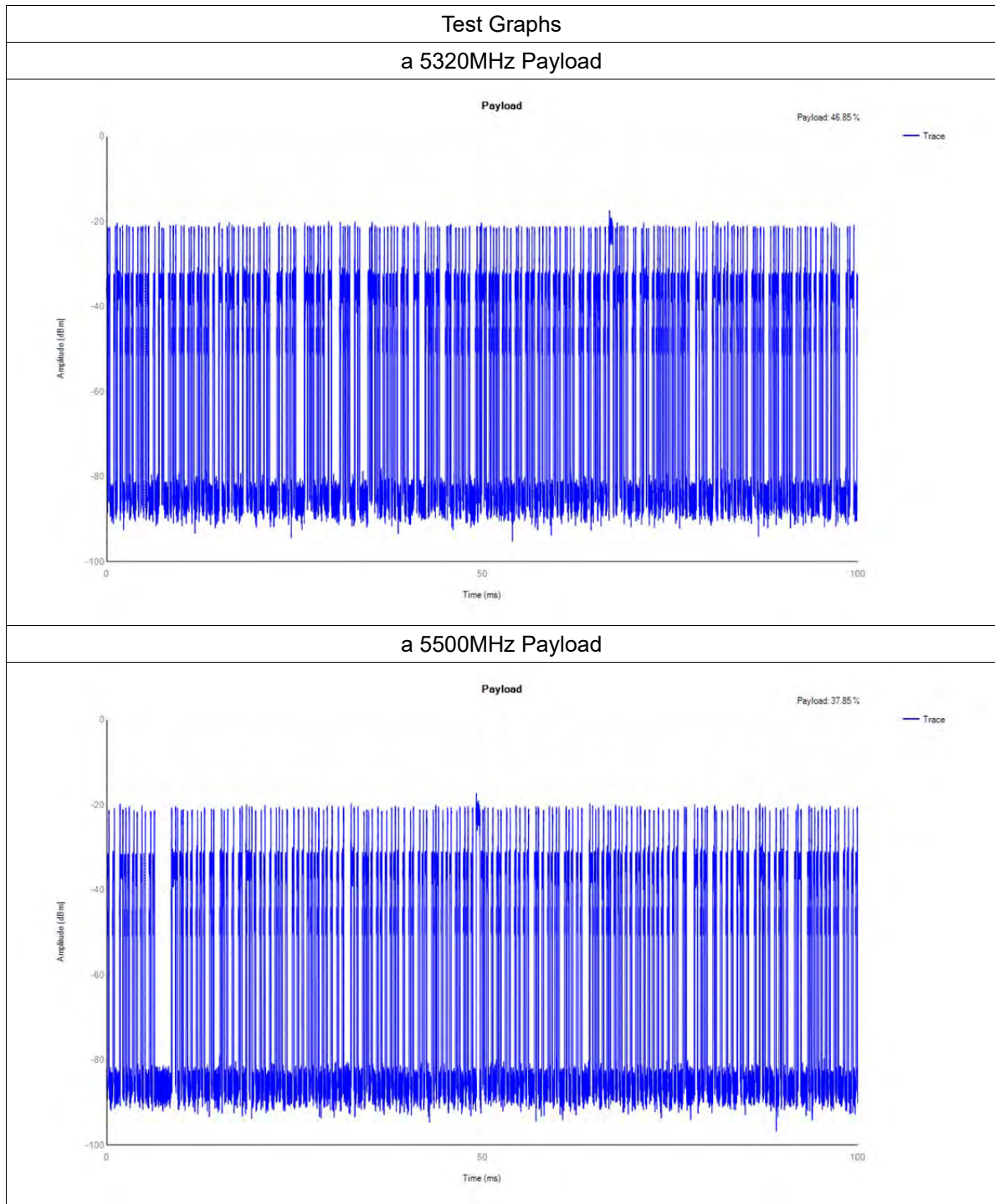
50C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
55C 3.85V	Carrier	5500	Ant1	5499.978	-22000	-4	25	Pass
20C 3.55V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
20C 4.40V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-30C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
-10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
0C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
10C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
20C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
30C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
40C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
50C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass
55C 3.85V	Carrier	5745	Ant1	5744.977	-23000	-4	25	Pass

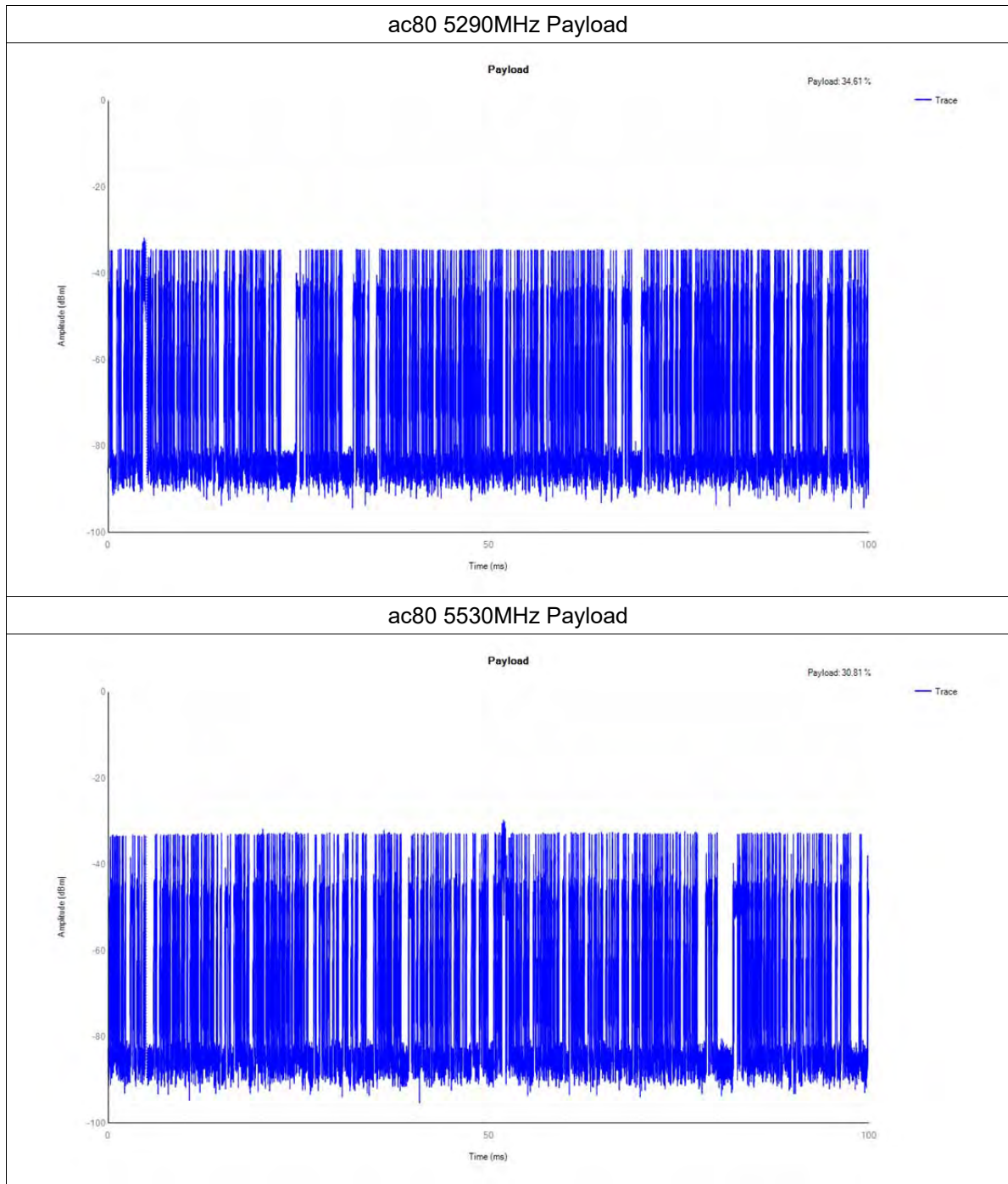


A.6. Dynamic Frequency Selection

Payload

Mode	Frequency (MHz)	Result	Verdict
a	5320	46.85	Pass
a	5500	37.85	Pass
ac80	5290	34.61	Pass
ac80	5530	30.81	Pass

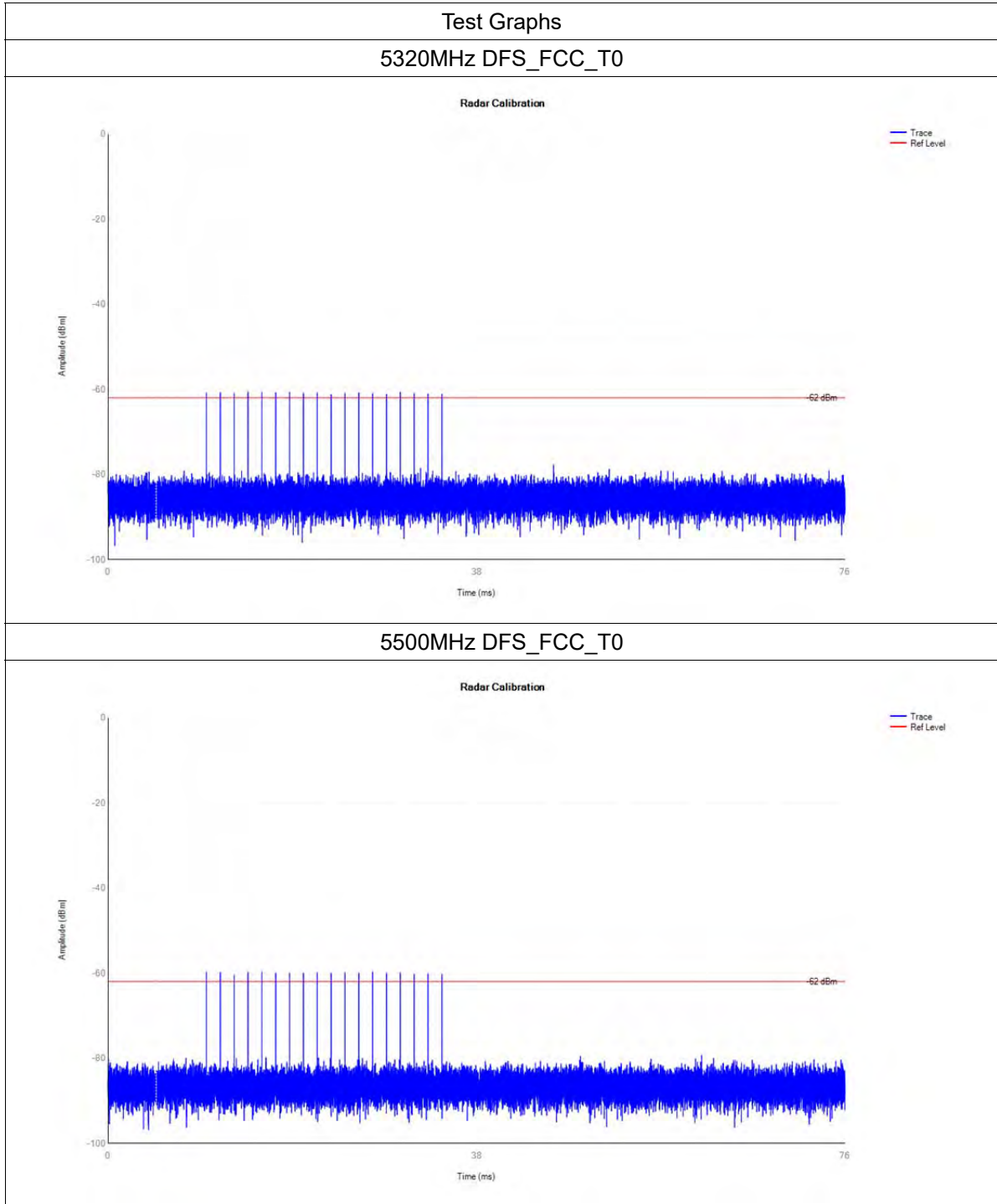


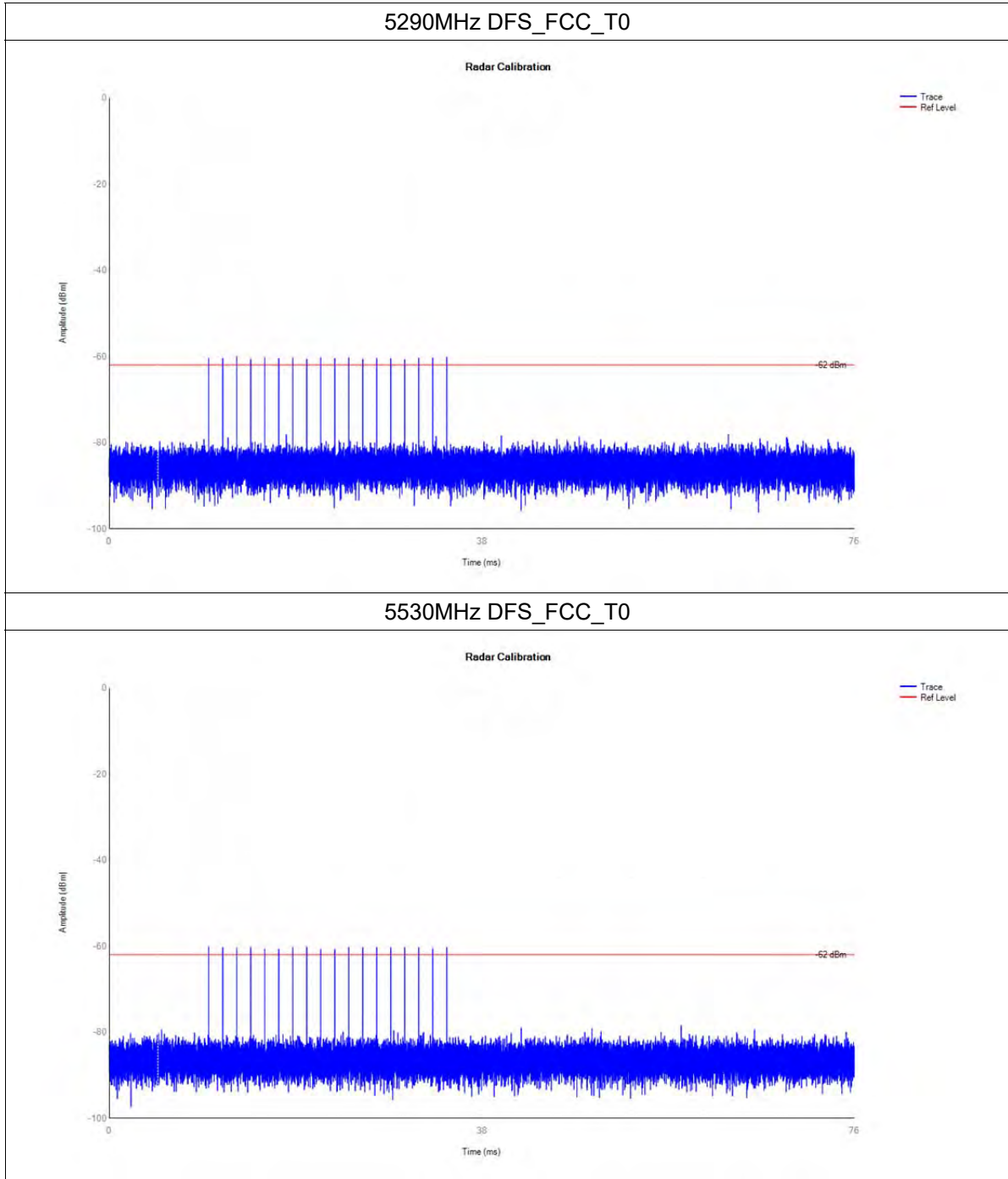




Calibration

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





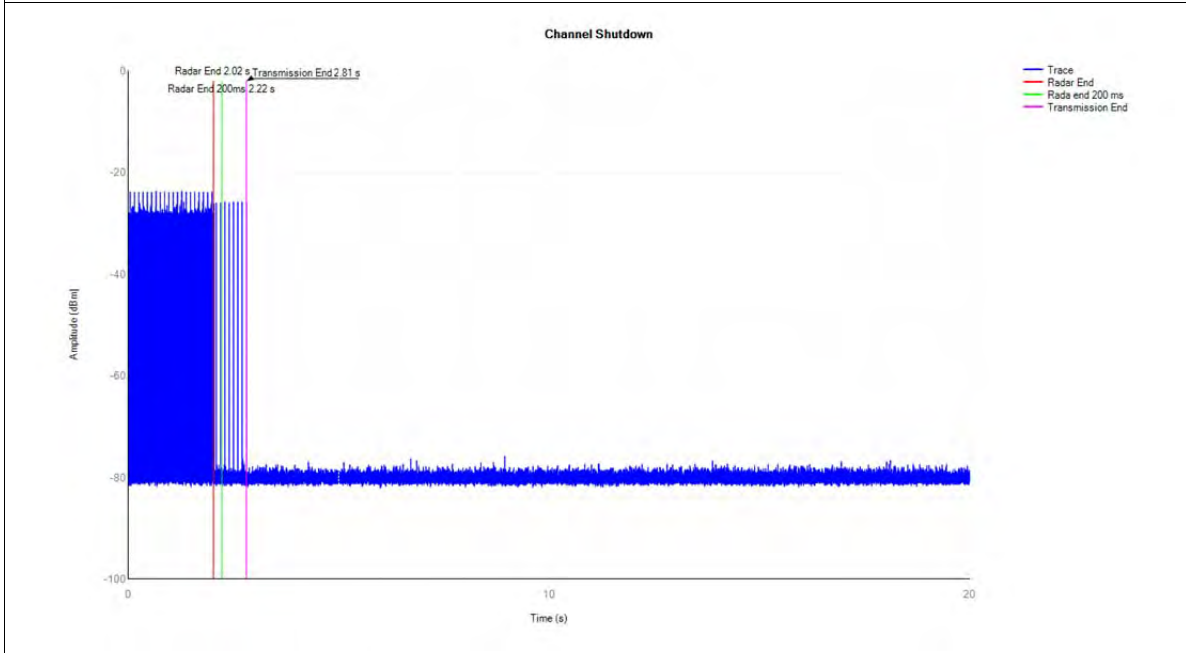


Channel Move Time and Channel Closing Transmission Time

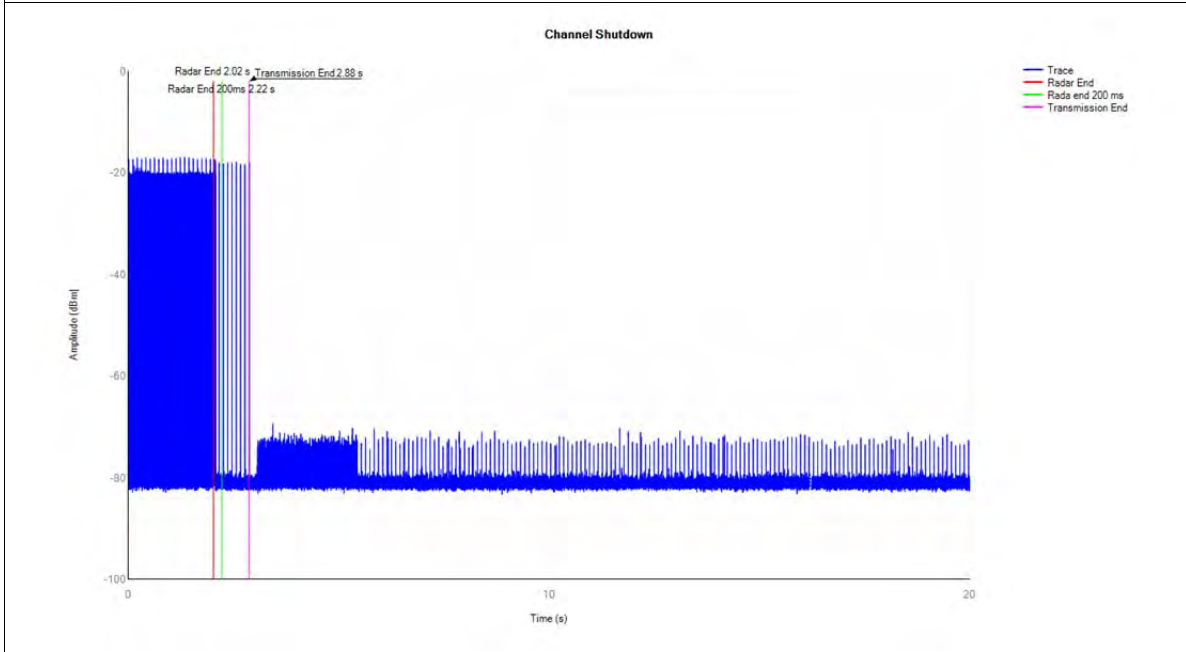
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.784	10	0.015	0.26	0.007	0.06	Pass
a	5500	0.852	10	0.031	0.26	0.009	0.06	Pass
ac80	5290	0.01	10	0.005	0.26	0	0.06	Pass
ac80	5530	0	10	0	0.26	0	0.06	Pass

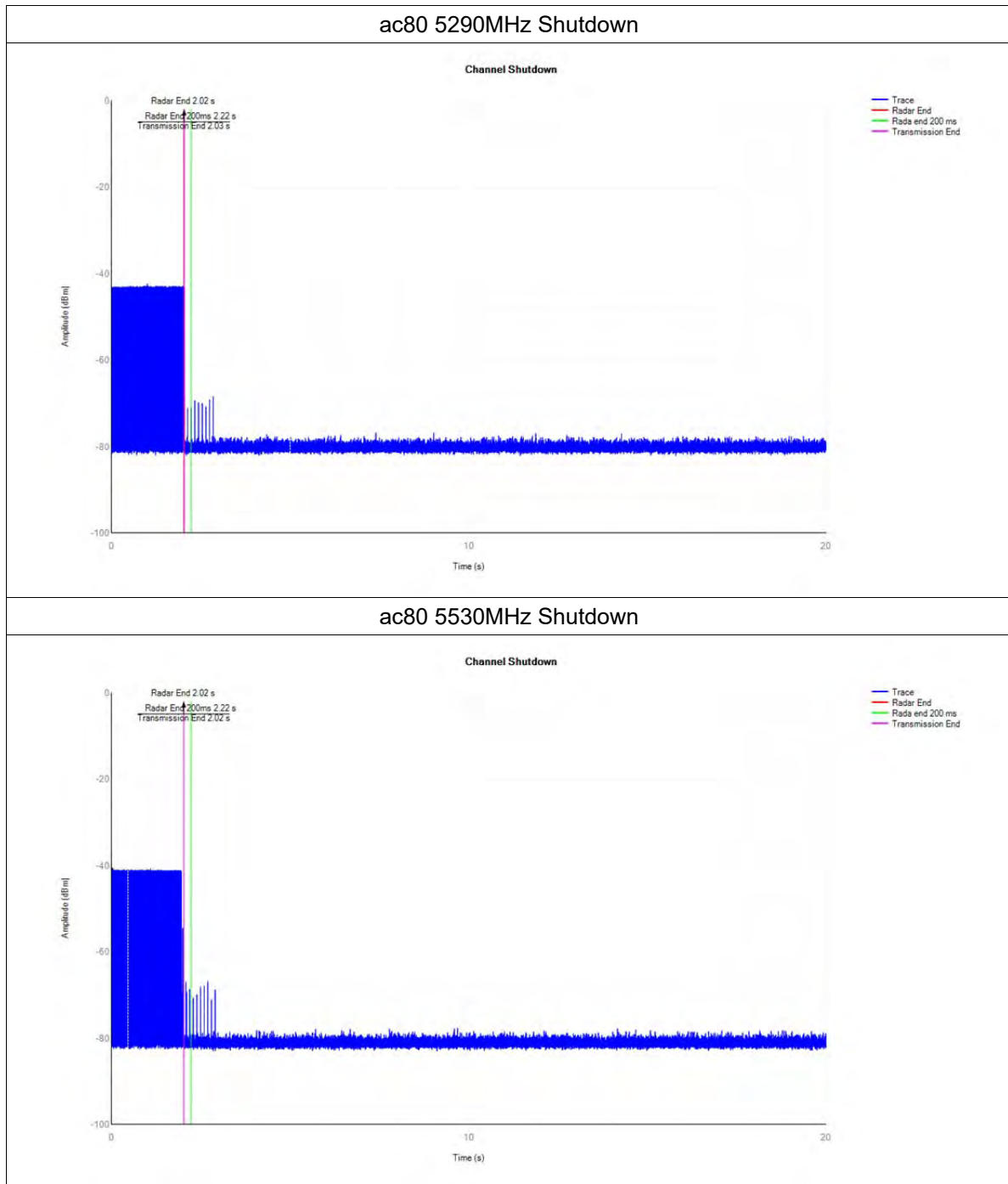
Test Graphs

a 5320MHz Shutdown



a 5500MHz Shutdown

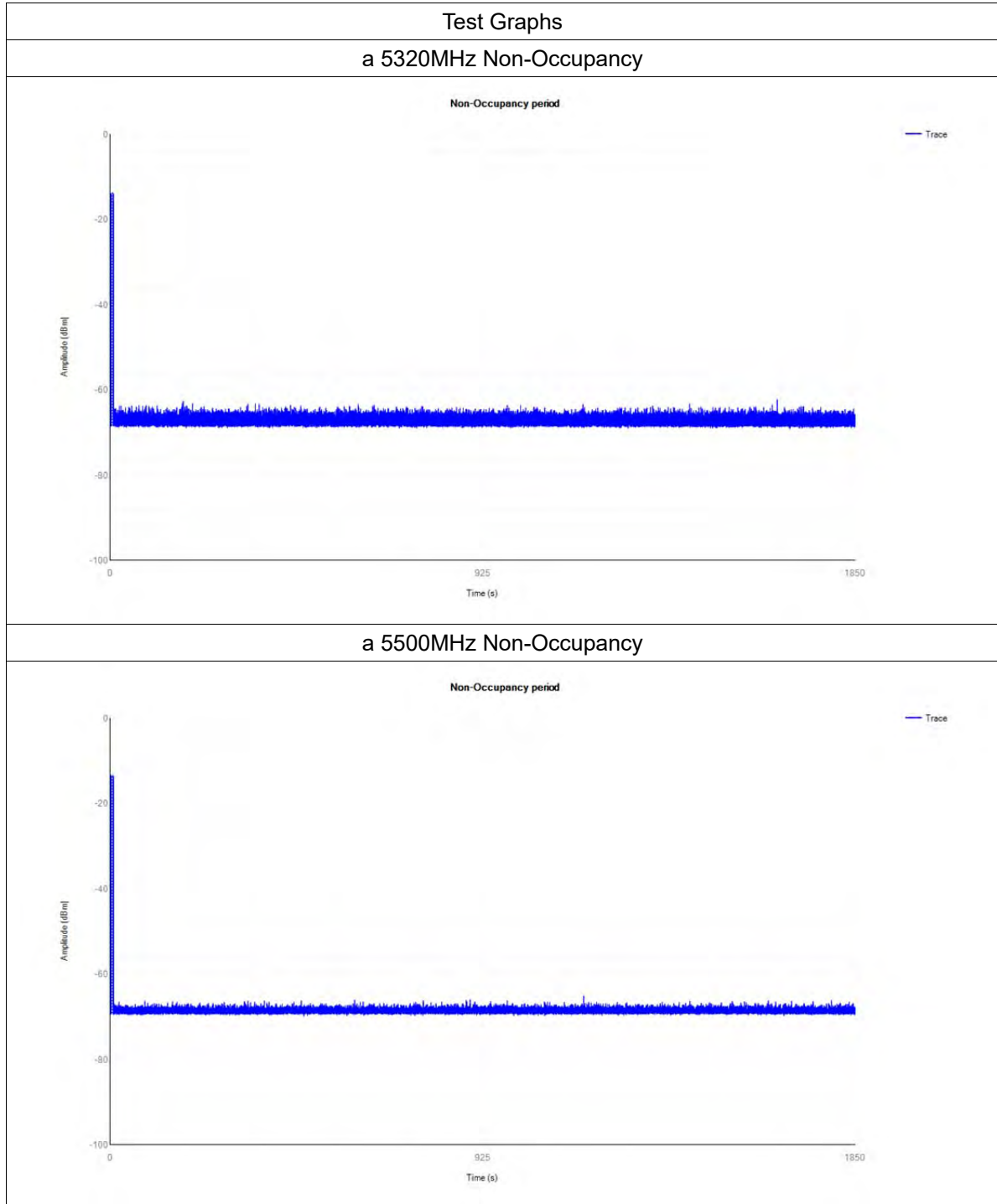






Non-Occupancy Period

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





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 + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

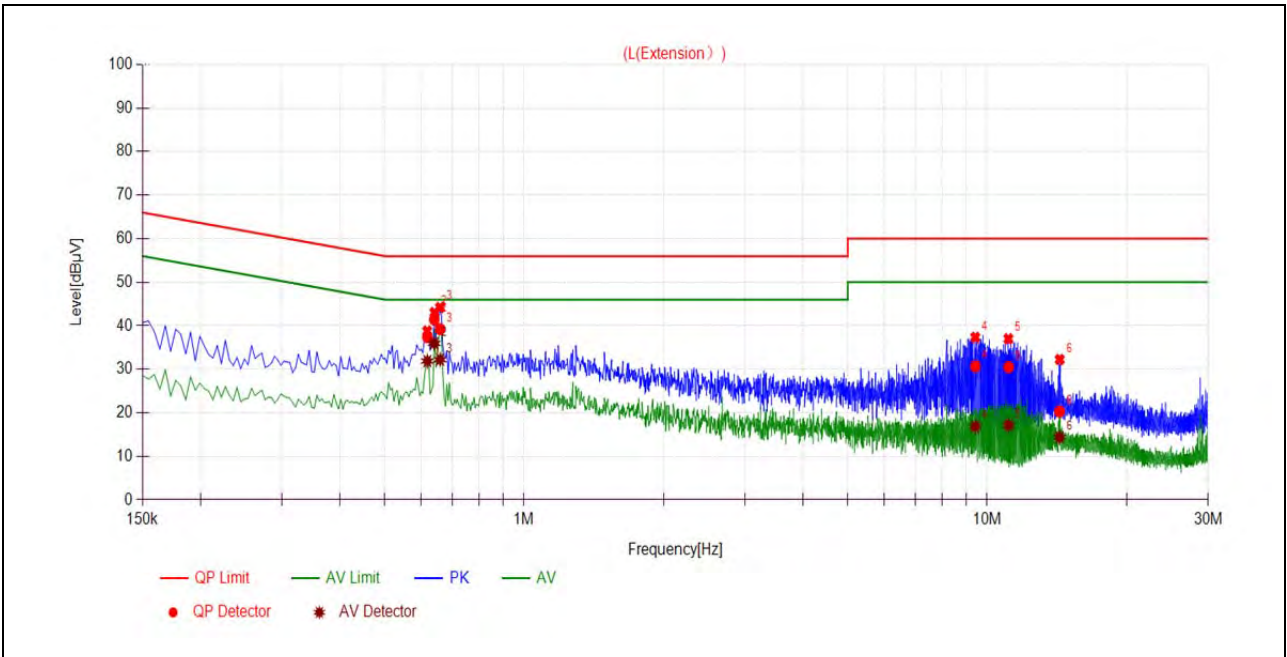
The measurement results are obtained as below:

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

U_R : Receiver Reading

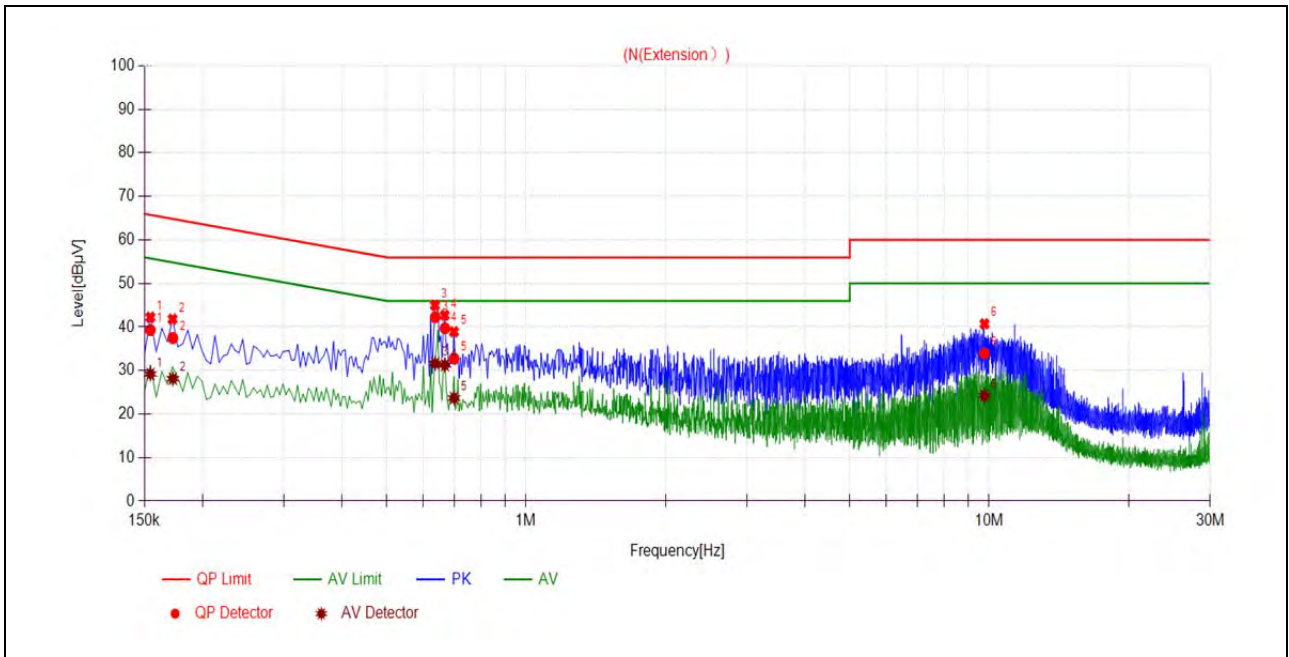
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.6183	37.37	31.88	56.00	46.00	Line	PASS
2	0.6399	41.42	35.96	56.00	46.00		PASS
3	0.6589	39.23	32.22	56.00	46.00		PASS
4	9.4254	30.68	16.84	60.00	50.00		PASS
5	11.1221	30.50	17.13	60.00	50.00		PASS
6	14.3287	20.27	14.36	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	0.1545	39.28	29.19	65.75	55.75	Neutral	PASS
2	0.1727	37.47	28.12	64.83	54.83		PASS
3	0.6365	42.27	31.63	56.00	46.00		PASS
4	0.6679	39.72	31.26	56.00	46.00		PASS
5	0.6991	32.74	23.67	56.00	46.00		PASS
6	9.7644	33.97	24.24	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

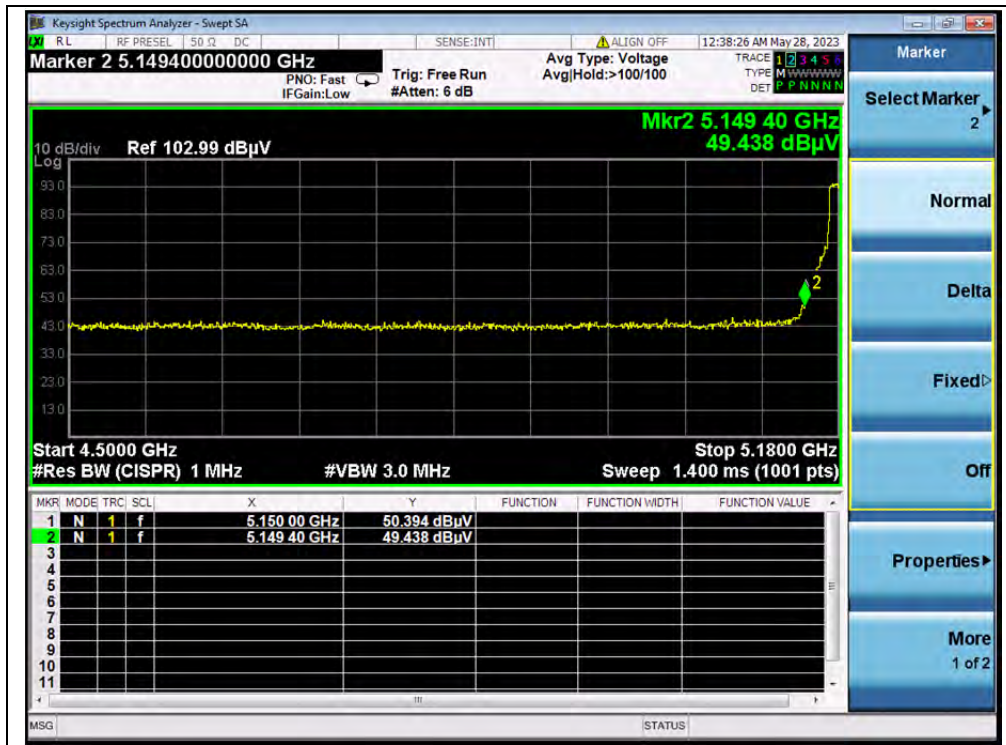
A_{Factor} : Antenna Factor at 3m

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.

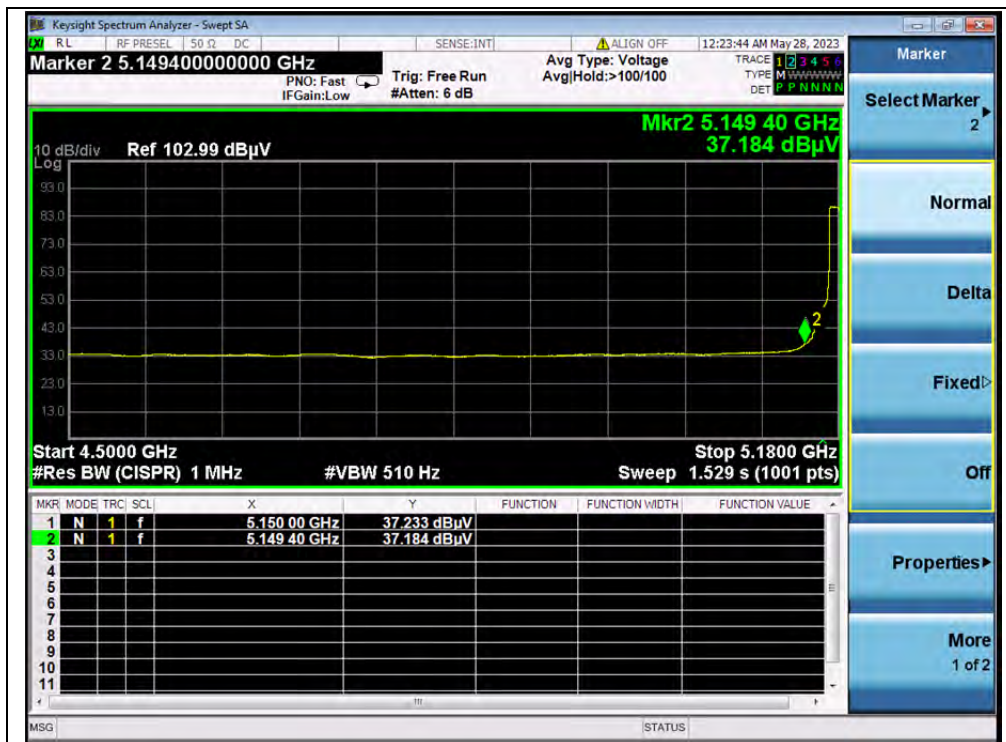
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11aMode

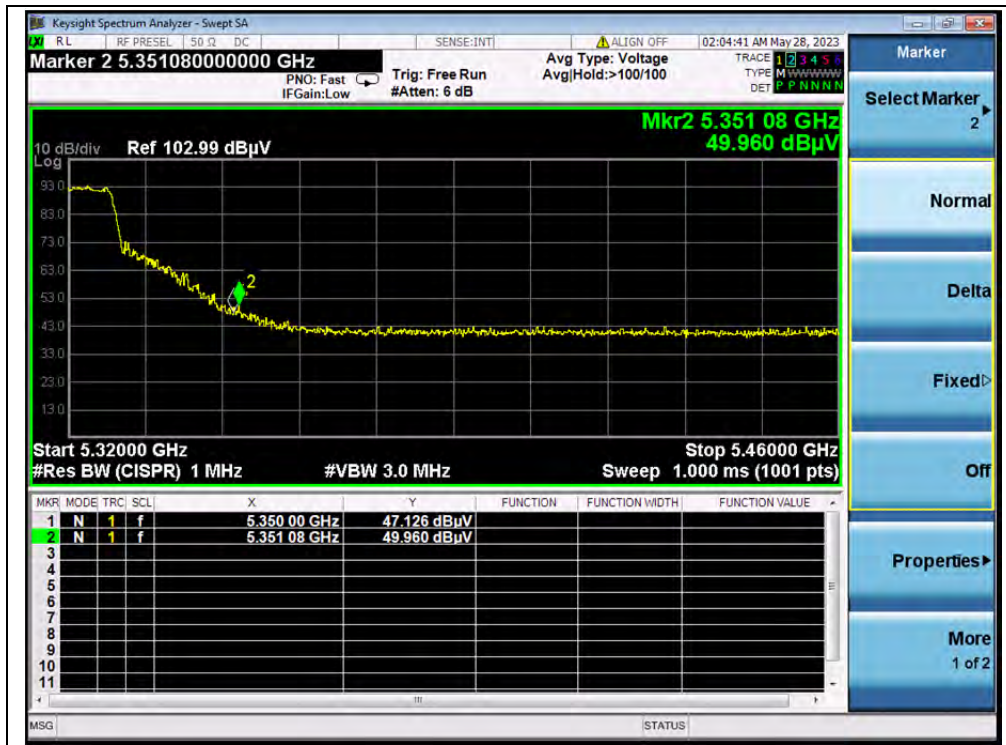
Channel	Frequency (MHz)	Detector	Receiver Reading	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV	U_R (dB μ V)					
36	5150.00	PK	50.39	-19.54	32.20	63.05	74	PASS
36	5150.00	AV	37.23	-19.54	32.20	49.89	54	PASS
64	5351.08	PK	49.96	-18.80	32.20	63.36	74	PASS
64	5350.00	AV	37.20	-18.80	32.20	50.60	54	PASS
100	5469.87	PK	50.29	-19.20	32.20	63.29	68.23	PASS
100	5176.11	AV	34.08	-19.20	32.20	47.08	54	PASS
140	5725.00	PK	51.03	-19.20	32.20	64.03	68.23	PASS
149	5725.00	PK	59.45	-19.01	32.20	72.64	122.23	PASS
165	5850.00	PK	49.81	-19.01	32.20	63.00	122.23	PASS



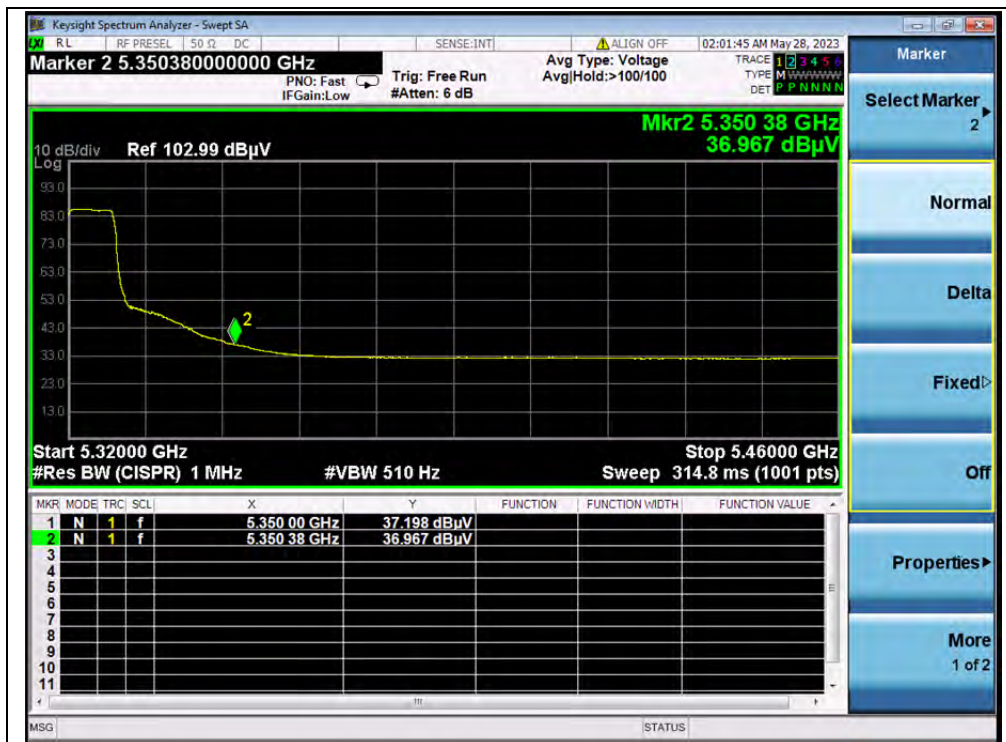
(PEAK,Channel 36, 802.11a)



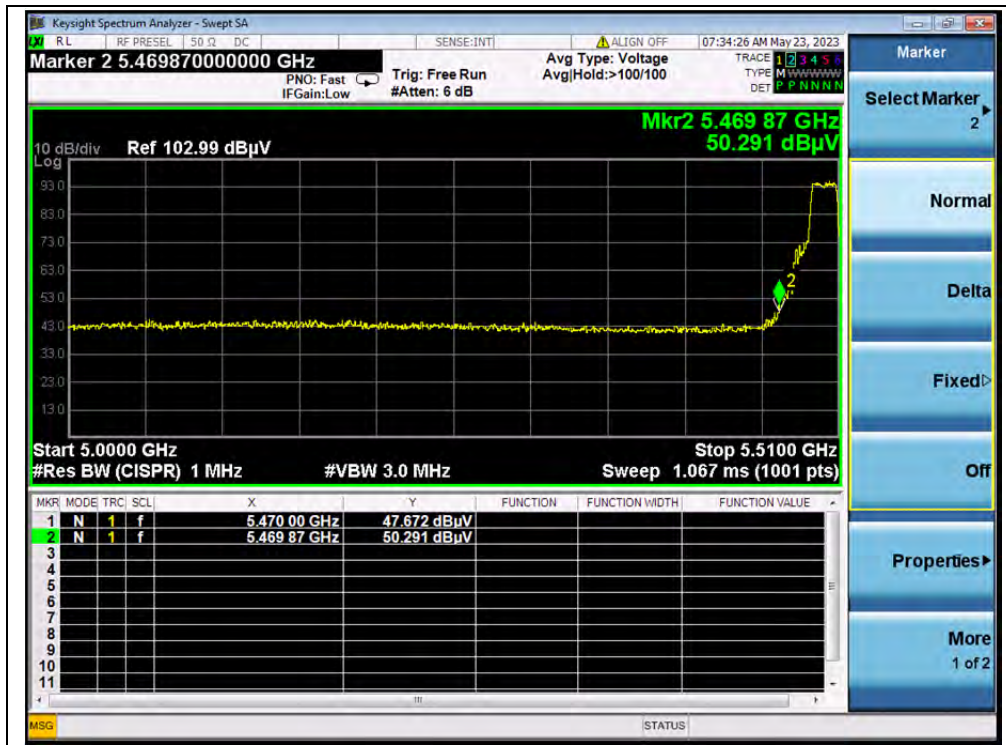
(AVERAGE,Channel 36,802.11a)



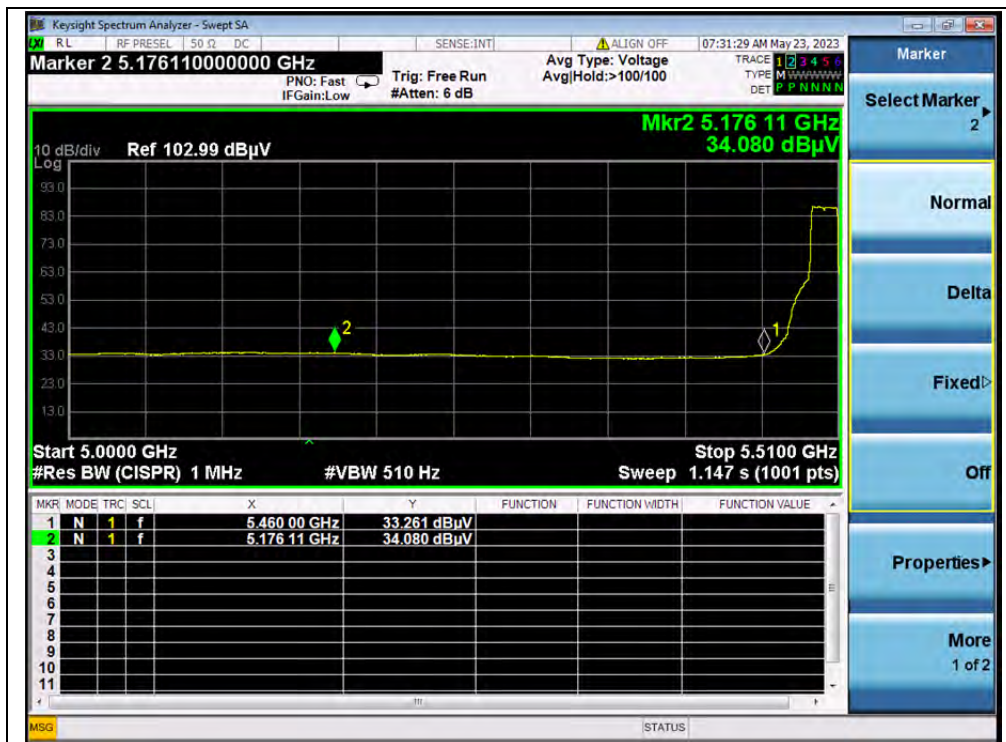
(PEAK,Channel 64, 802.11a)



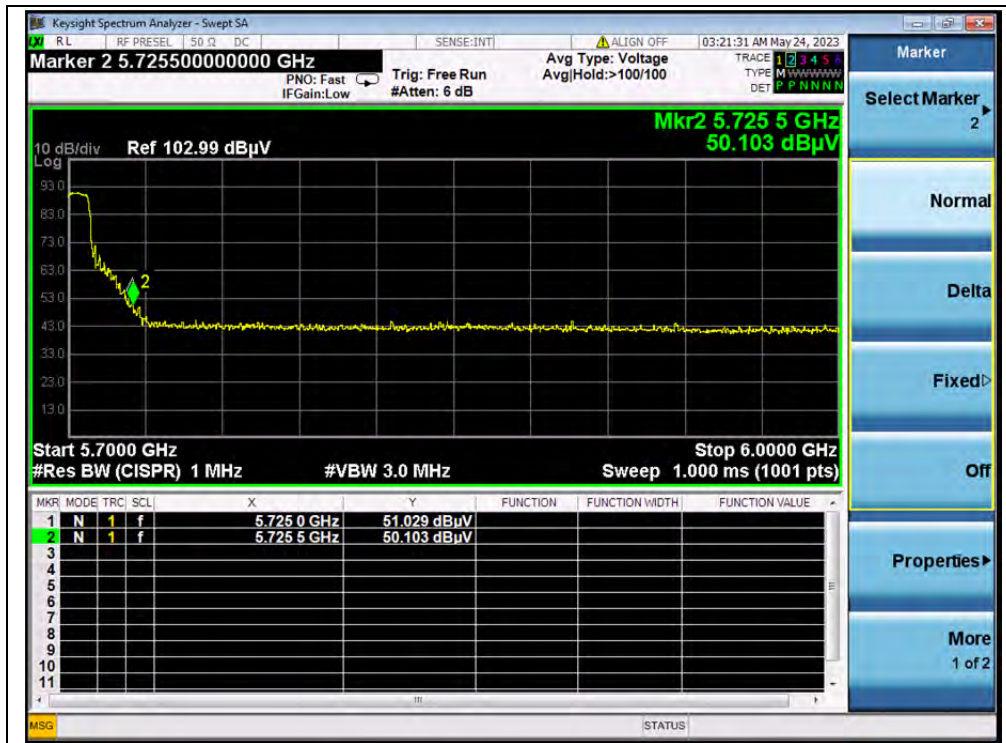
(AVERAGE,Channel 64, 802.11a)



(PEAK,Channel 100, 802.11a)



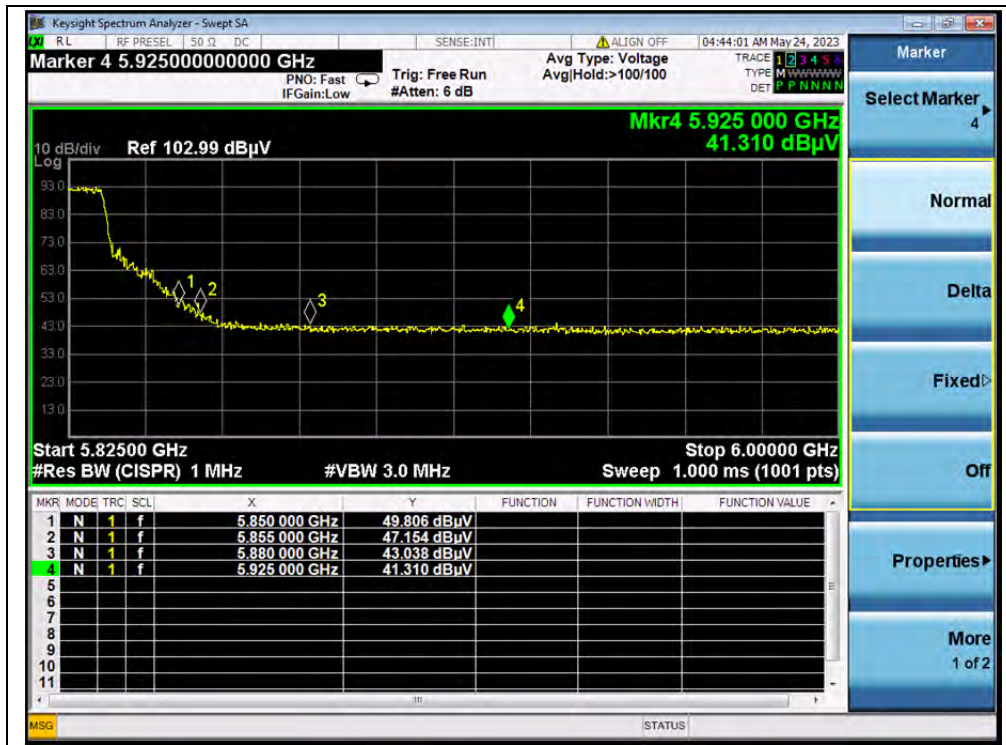
(AVERAGE,Channel 100, 802.11a)



(PEAK,Channel 140, 802.11a)



(PEAK,Channel 149, 802.11a)

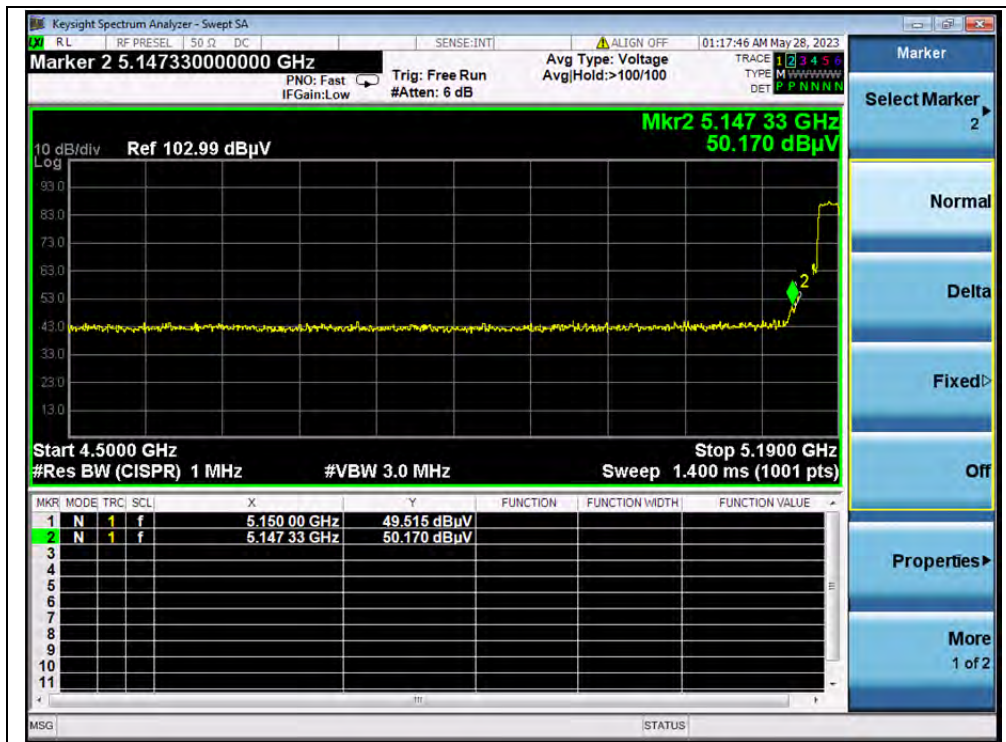


(PEAK,Channel 165, 802.11a)

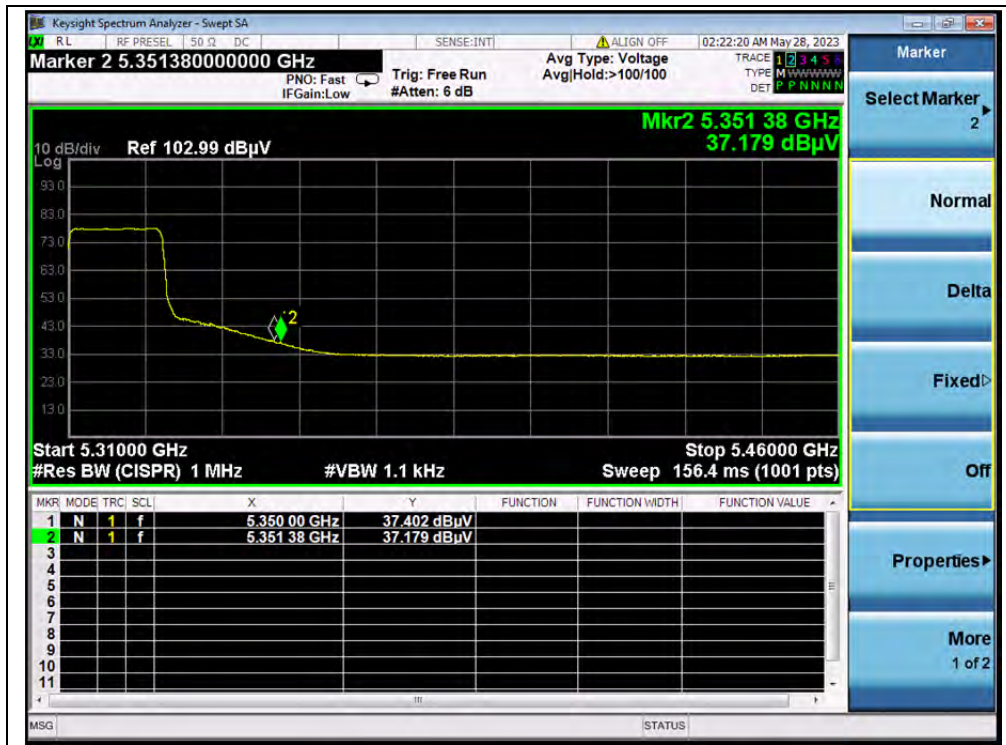


802.11n (HT40)Mode

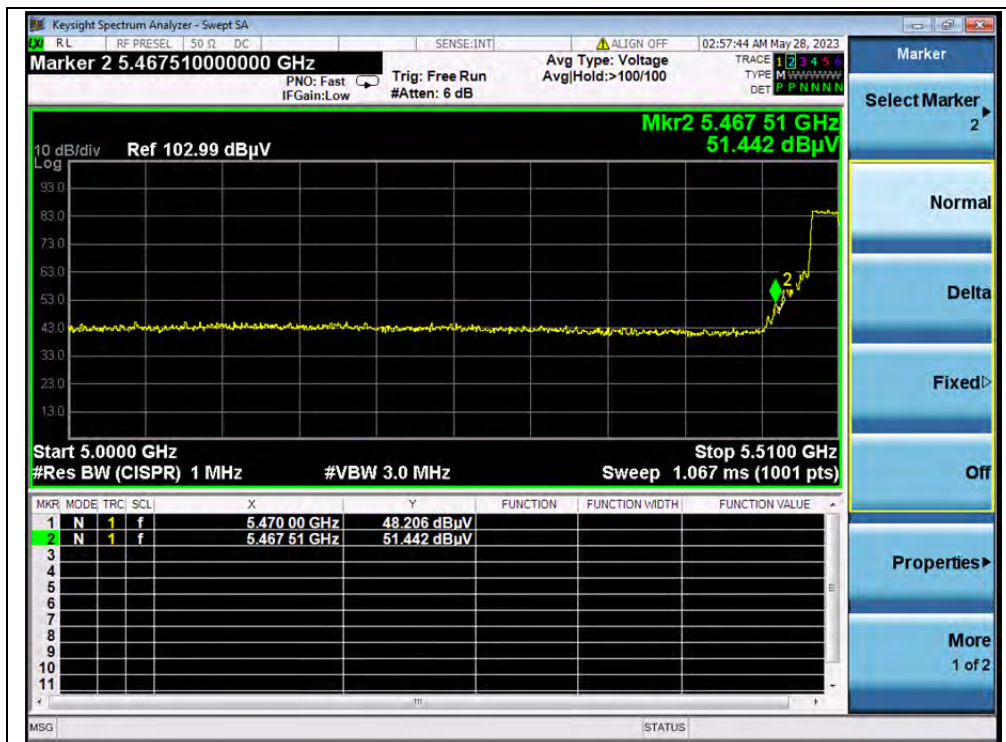
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	5147.33	PK	50.17	-19.54	32.20	62.83	74	PASS
38	5150.00	AV	38.14	-19.54	32.20	50.80	54	PASS
62	5351.23	PK	51.60	-18.80	32.20	65.00	74	PASS
62	5350.00	AV	37.40	-18.80	32.20	50.80	54	PASS
102	5467.51	PK	51.44	-19.20	32.20	64.44	68.23	PASS
102	5460.00	AV	33.31	-19.20	32.20	46.31	54	PASS
134	5726.10	PK	45.78	-19.20	32.20	58.78	68.23	PASS
151	5725.00	PK	60.28	-19.01	32.20	73.47	122.23	PASS
159	5850.00	PK	43.91	-19.01	32.20	57.10	122.23	PASS



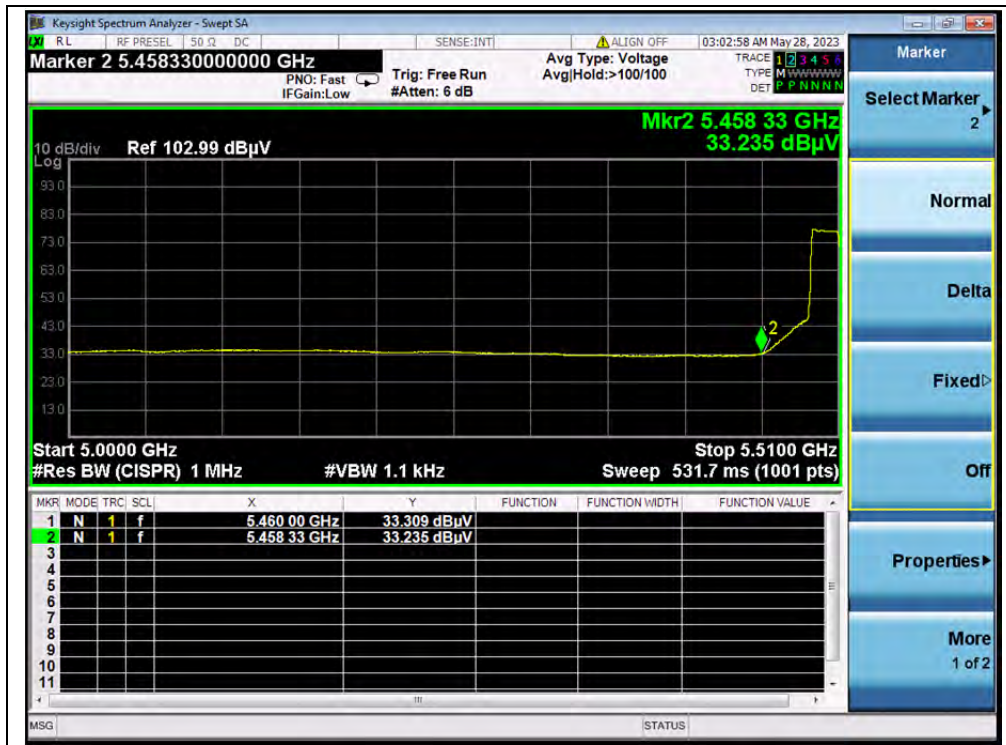
(PEAK,Channel 38, 802.11n (HT40))



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



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



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



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



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

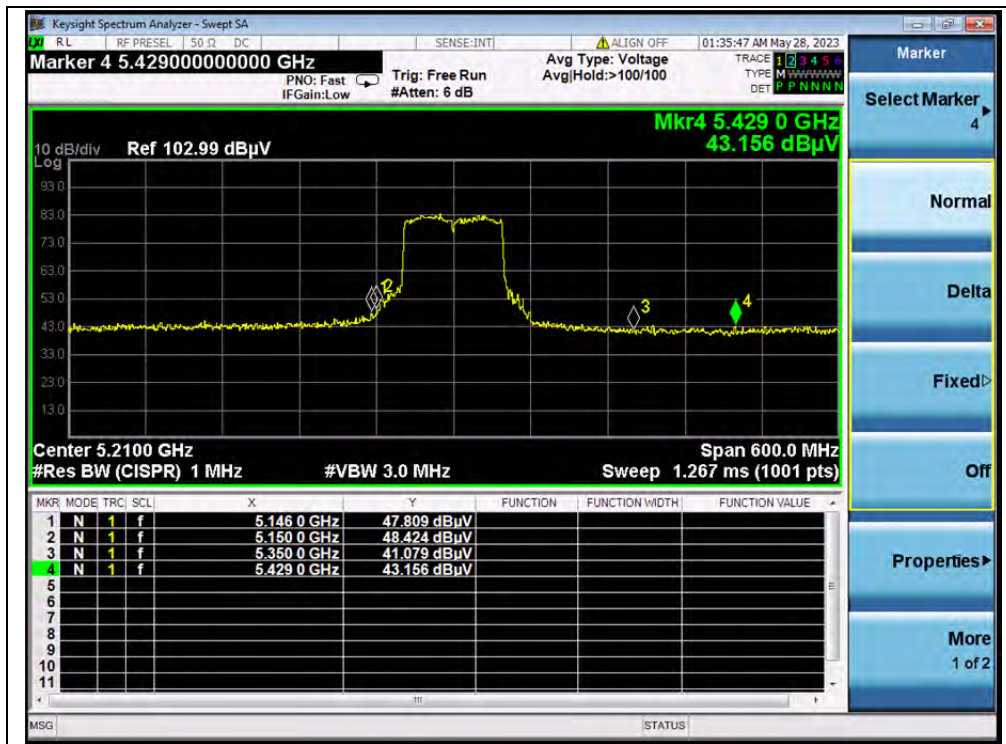


(PEAK,Channel 159, 802.11n (HT40))

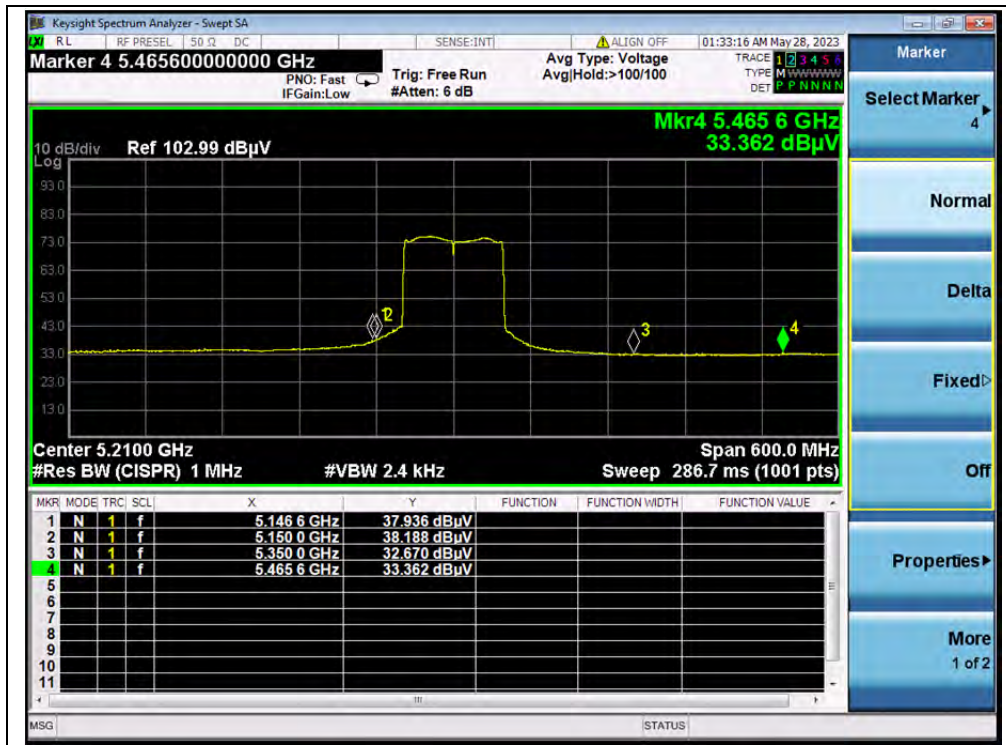


802.11ac (VHT80)Mode

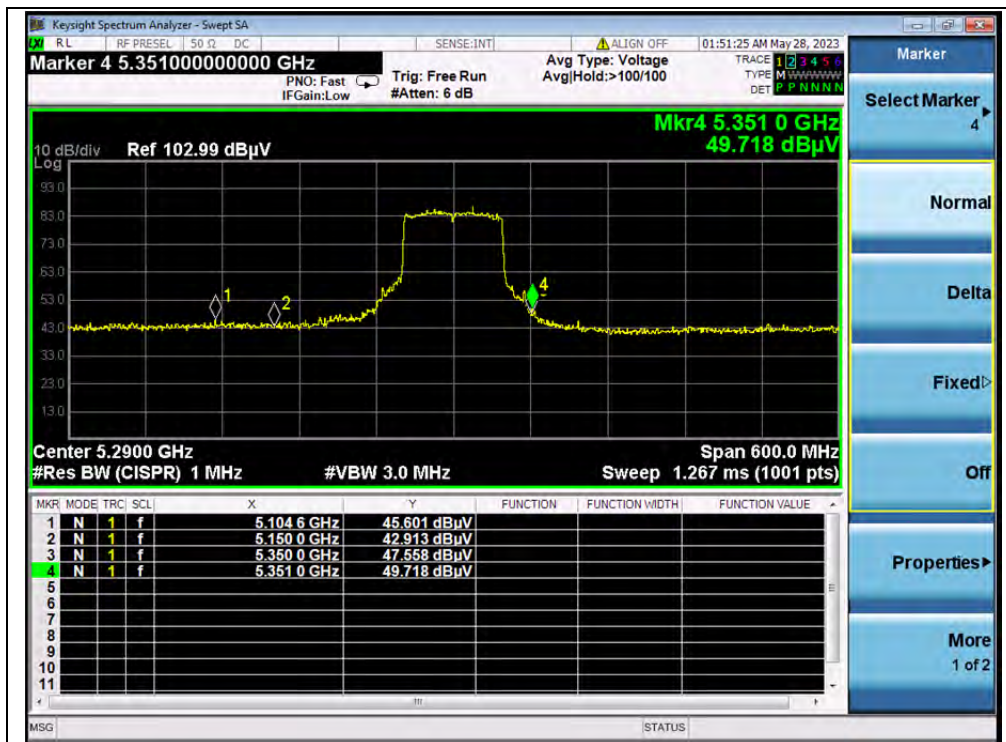
Channel	Frequency (MHz)	Detector	Receiver Reading U _R (dBμV)	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5150.00	PK	48.42	-19.54	32.20	61.08	74	PASS
42	5150.00	AV	38.19	-19.54	32.20	50.85	54	PASS
58	5351.00	PK	49.72	-18.80	32.20	63.12	74	PASS
58	5350.00	AV	38.00	-18.80	32.20	51.40	54	PASS
106	5469.58	PK	48.80	-19.20	32.20	61.80	68.23	PASS
106	5460.00	AV	36.72	-19.20	32.20	49.72	54	PASS
138	5726.10	PK	45.78	-19.20	32.20	58.78	68.23	PASS
155	5725.00	PK	56.78	-19.01	32.20	69.97	122.23	PASS
155	5850.00	PK	46.33	-19.01	32.20	59.52	122.23	PASS



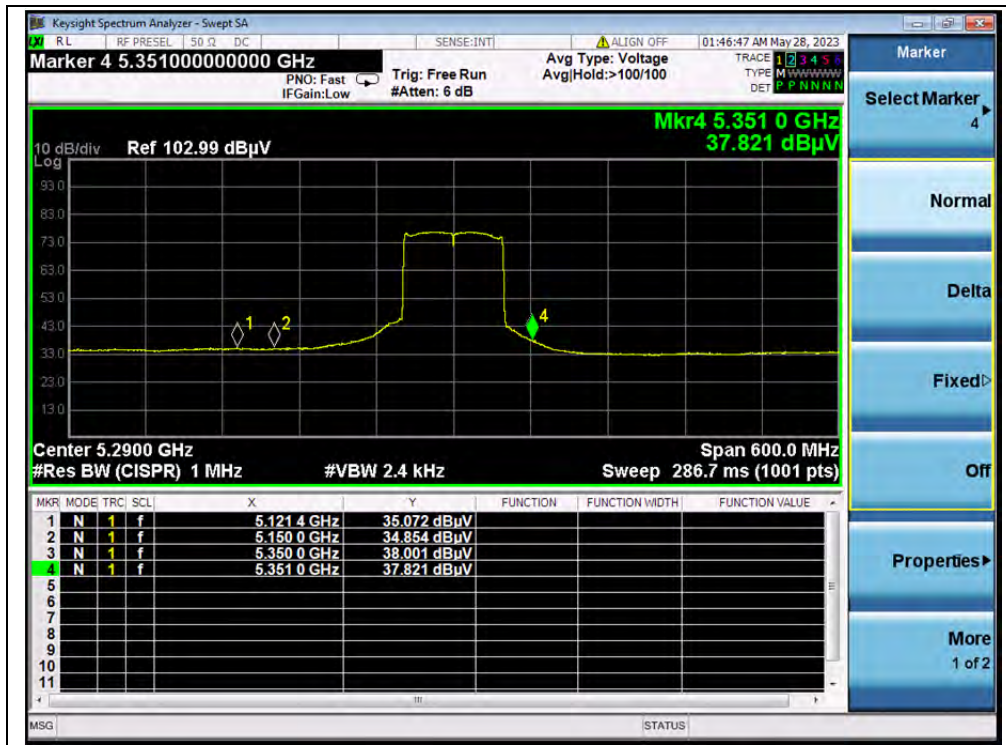
(PEAK,Channel 42,802.11ac (VHT80))



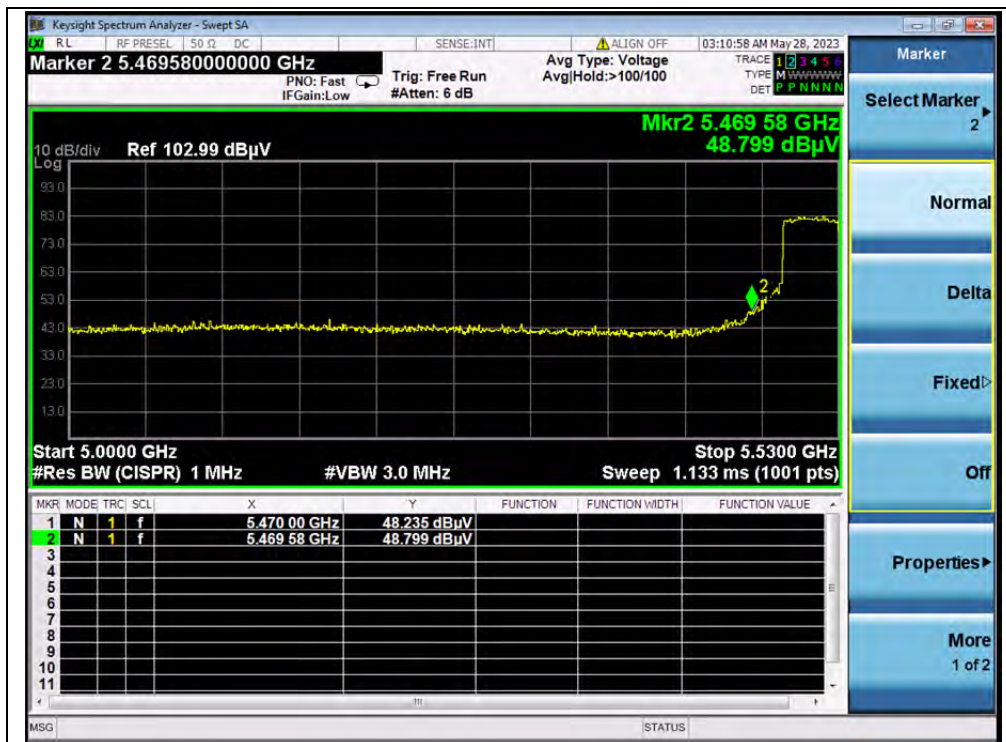
(AVERAGE, Channel 42, 802.11ac (VHT80))



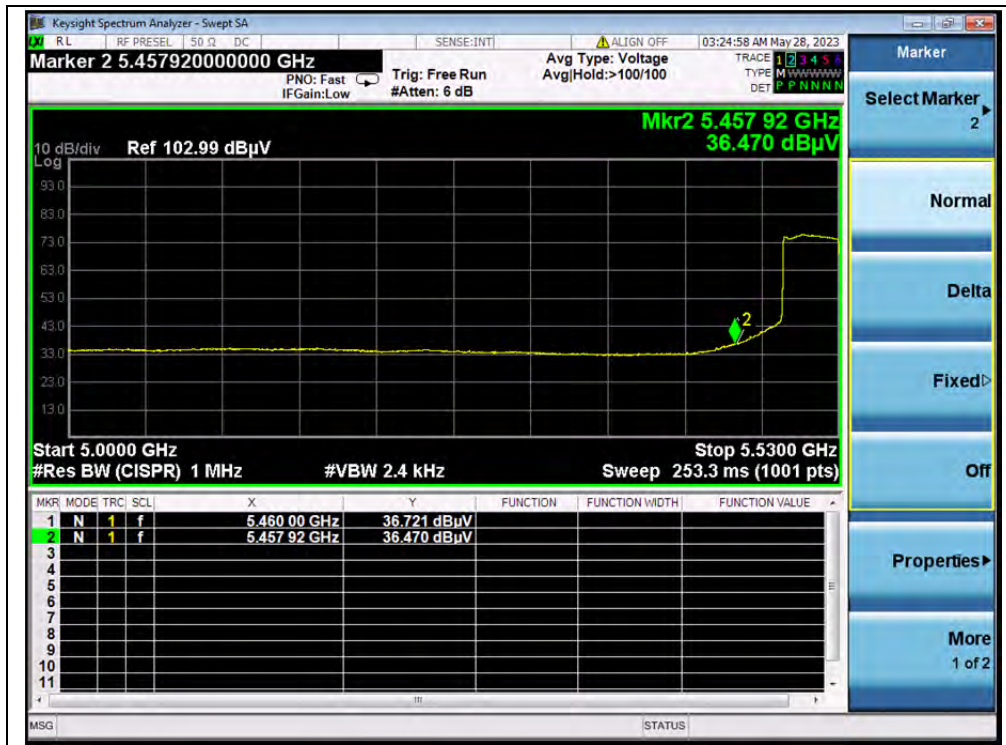
(PEAK, Channel 58, 802.11ac (VHT80))



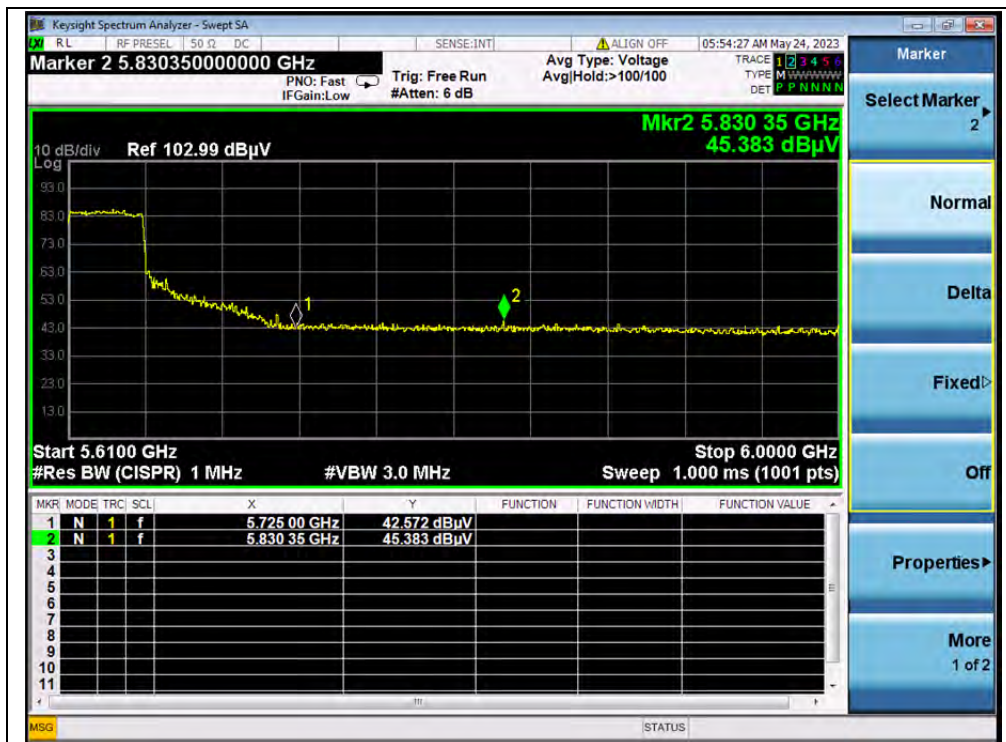
(AVERAGE, Channel 58, 802.11ac (VHT80))



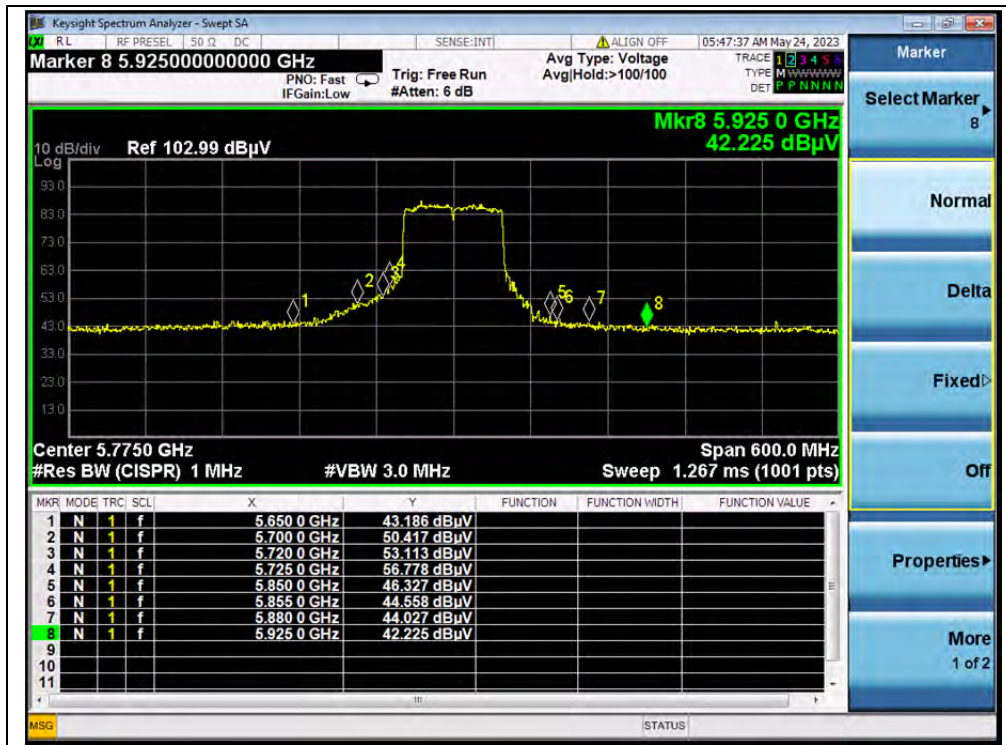
(PEAK, Channel 106, 802.11ac (VHT80))



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



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



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



A.9. Radiated Emission

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

The measurement results are obtained as below:

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

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

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

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

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

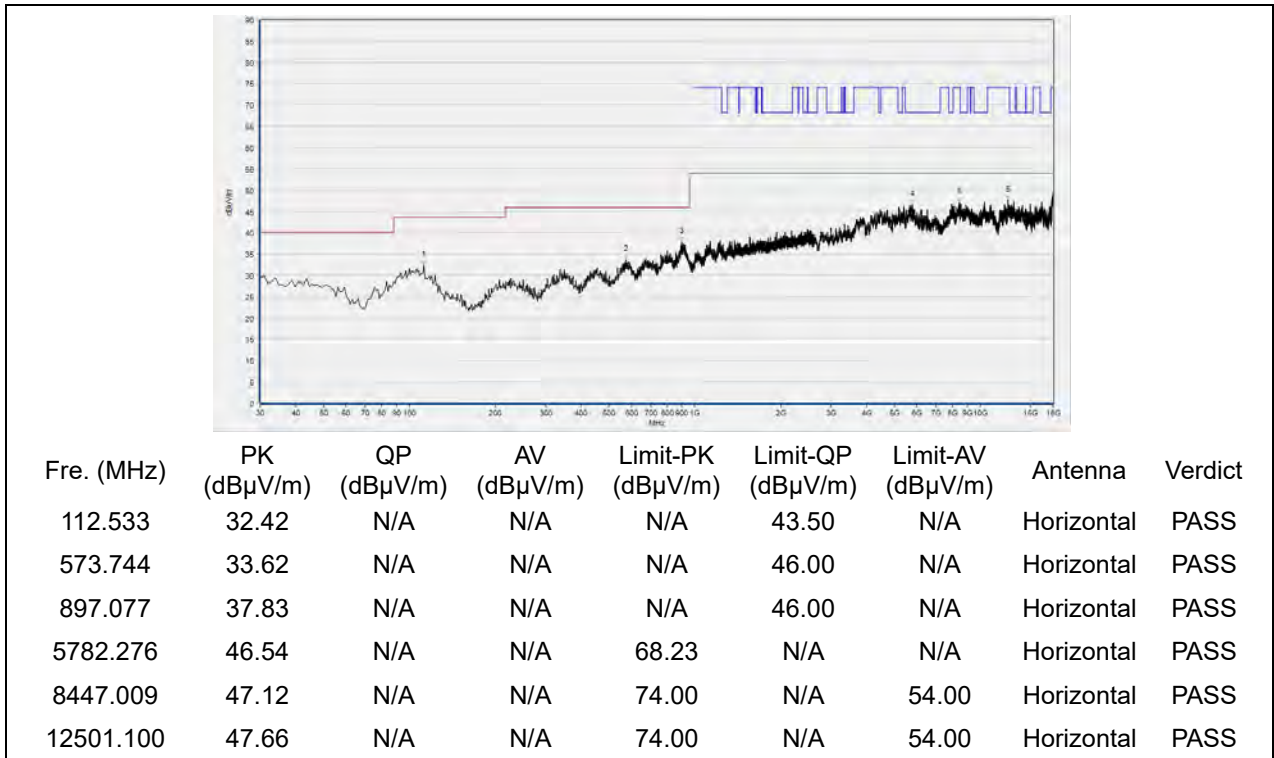
Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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

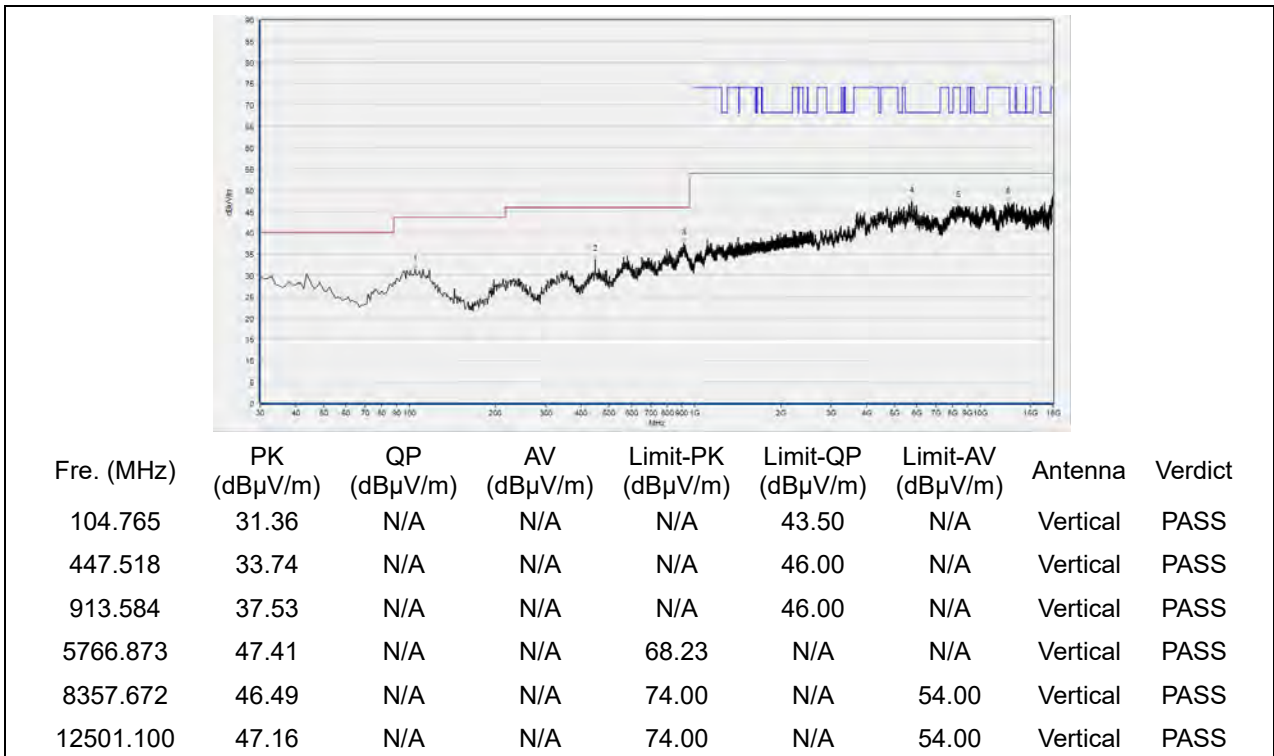


802.11a Mode

Plot for Channel 36

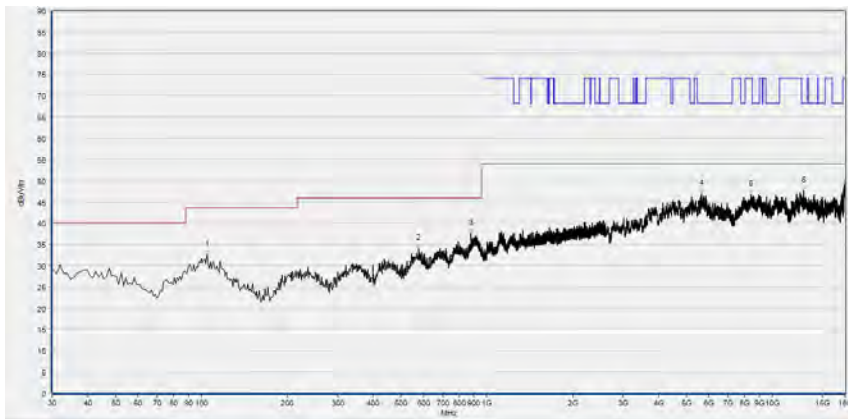


(Antenna Horizontal, 30MHz to 18GHz)



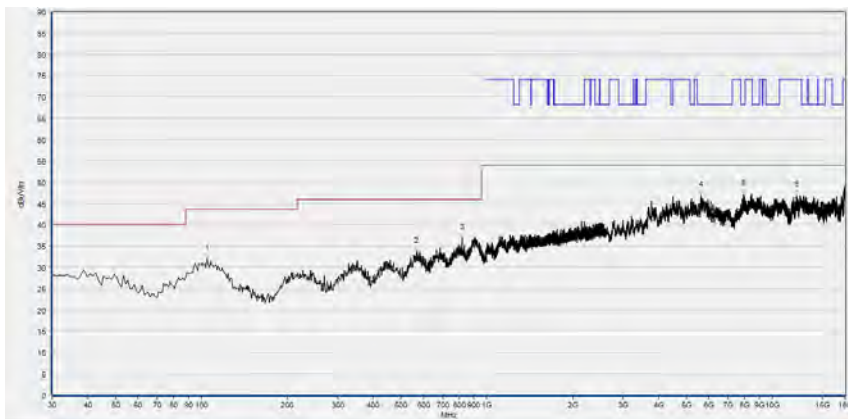
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	33.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
880.571	37.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.729	46.95	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8391.558	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12901.580	47.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

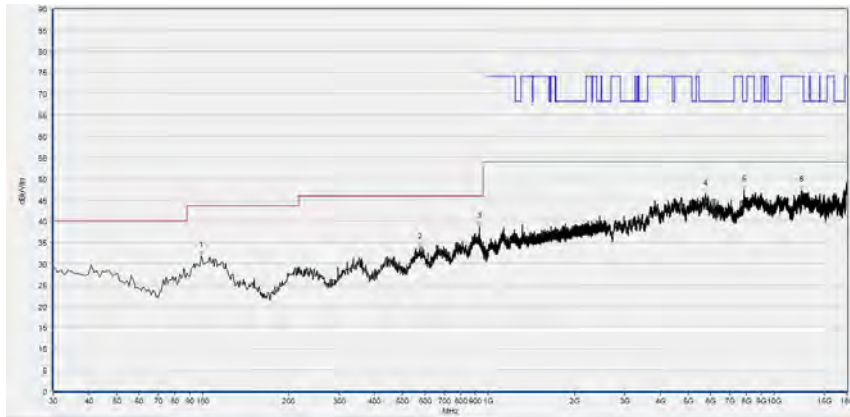
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.98	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
567.918	33.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
818.428	36.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5634.407	46.98	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7929.466	47.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12162.232	46.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

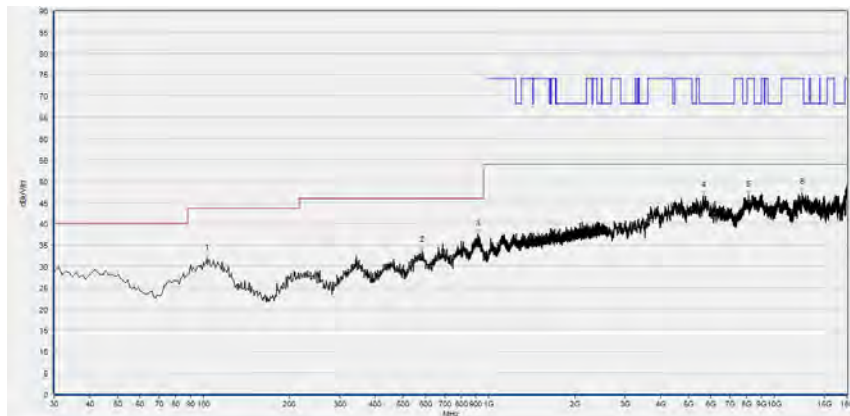
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	31.92	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	33.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
930.090	38.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5748.390	46.50	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7855.531	47.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12482.617	47.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

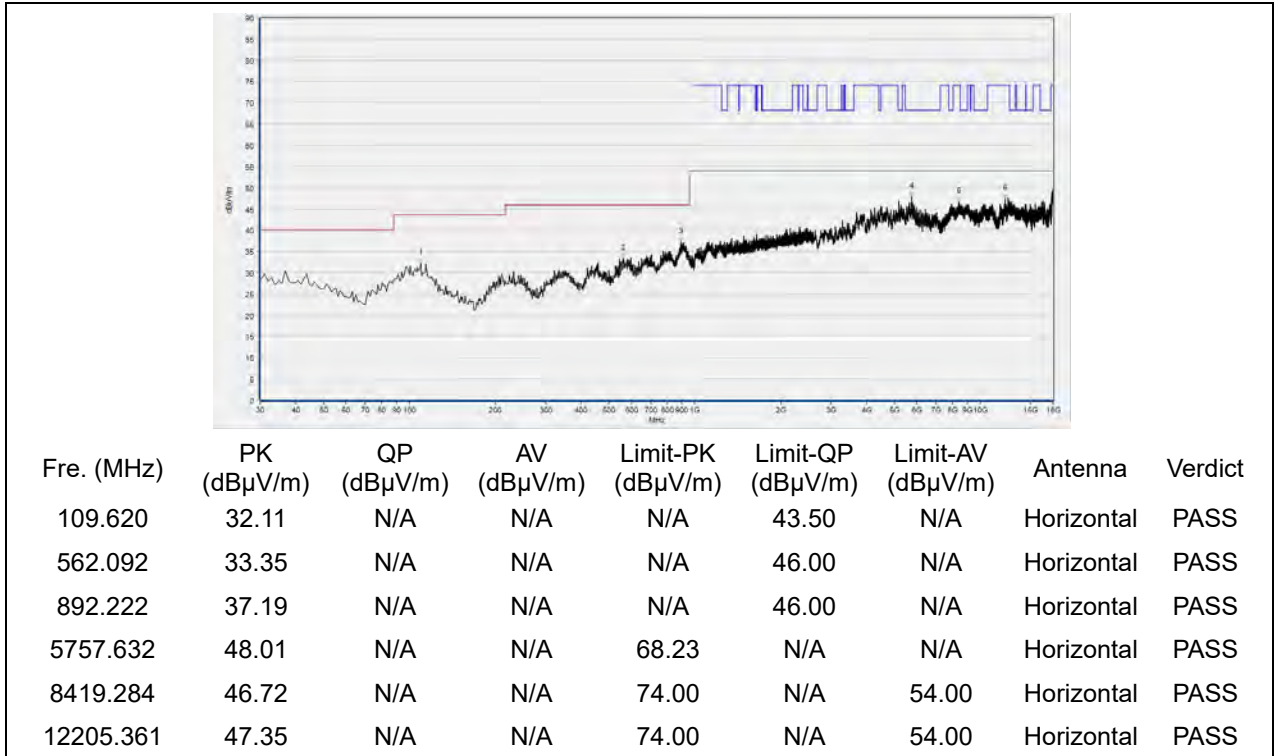
(Antenna Horizontal, 30MHz to 18GHz)



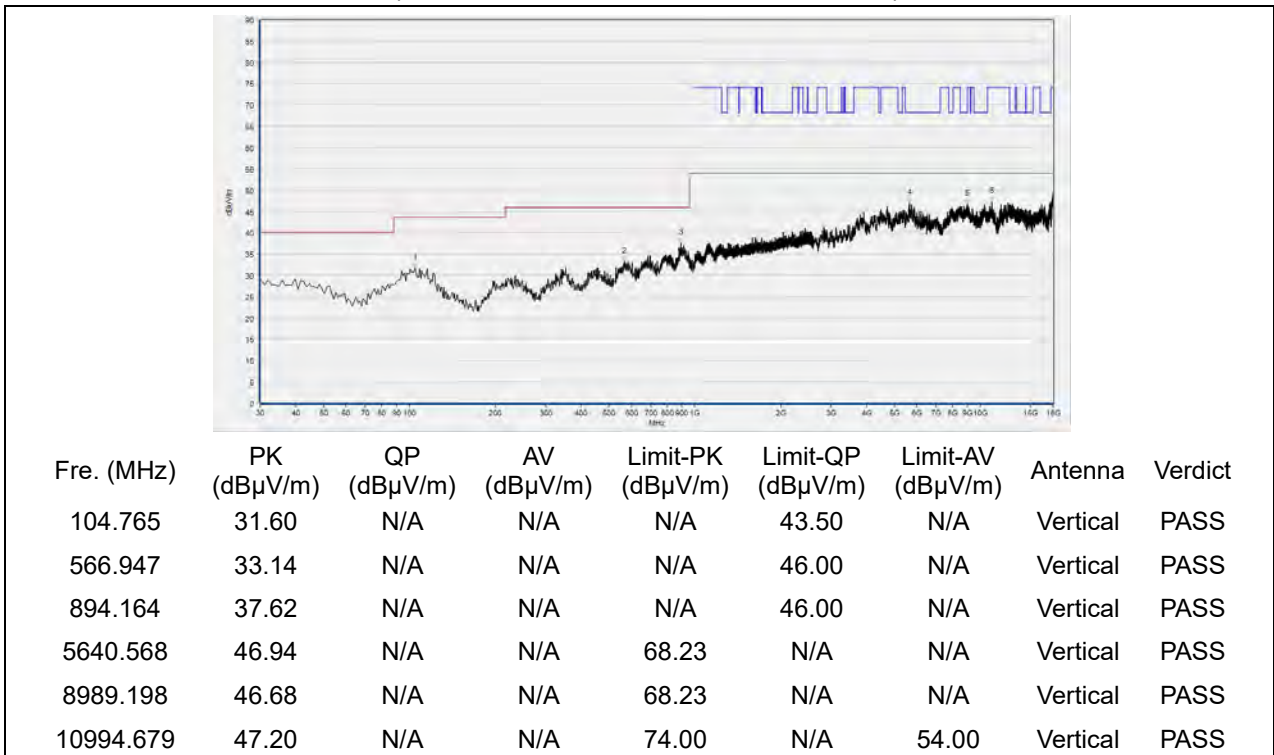
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	31.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
584.424	33.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
913.584	37.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8138.948	46.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12507.261	47.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52

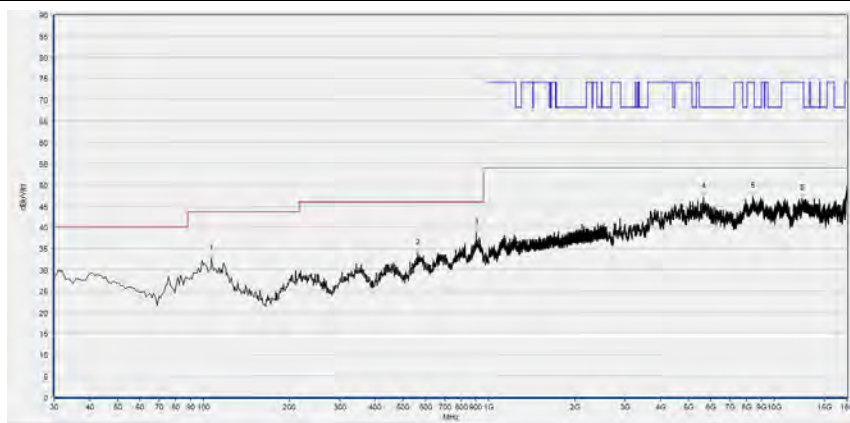


(Antenna Horizontal, 30MHz to 18GHz)



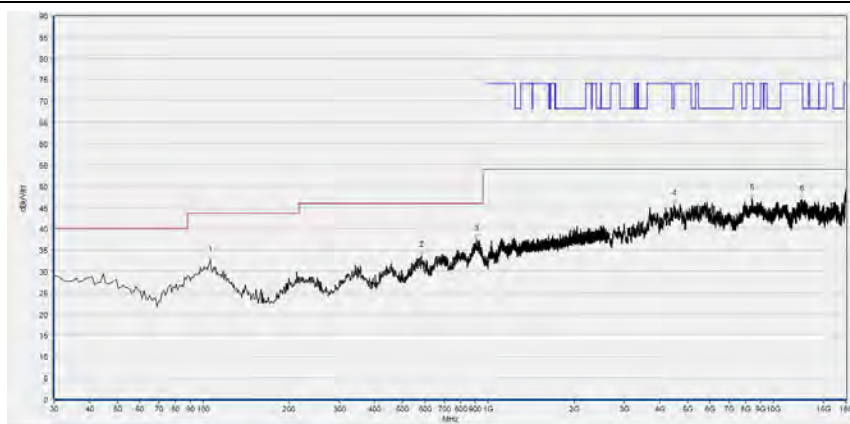
(Antenna Vertical, 30MHz to 18GHz)

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
106.707	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	33.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	38.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	47.15	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8413.123	47.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12501.100	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

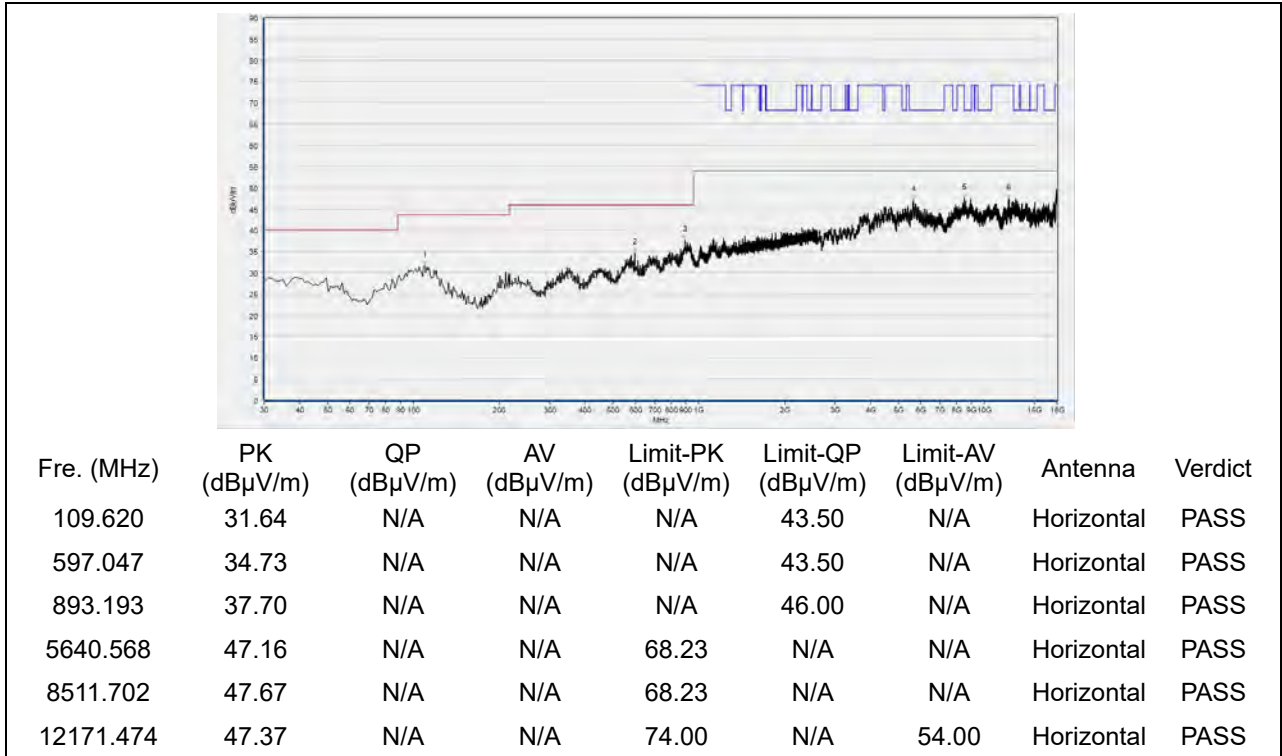
(Antenna Horizontal, 30MHz to 18GHz)



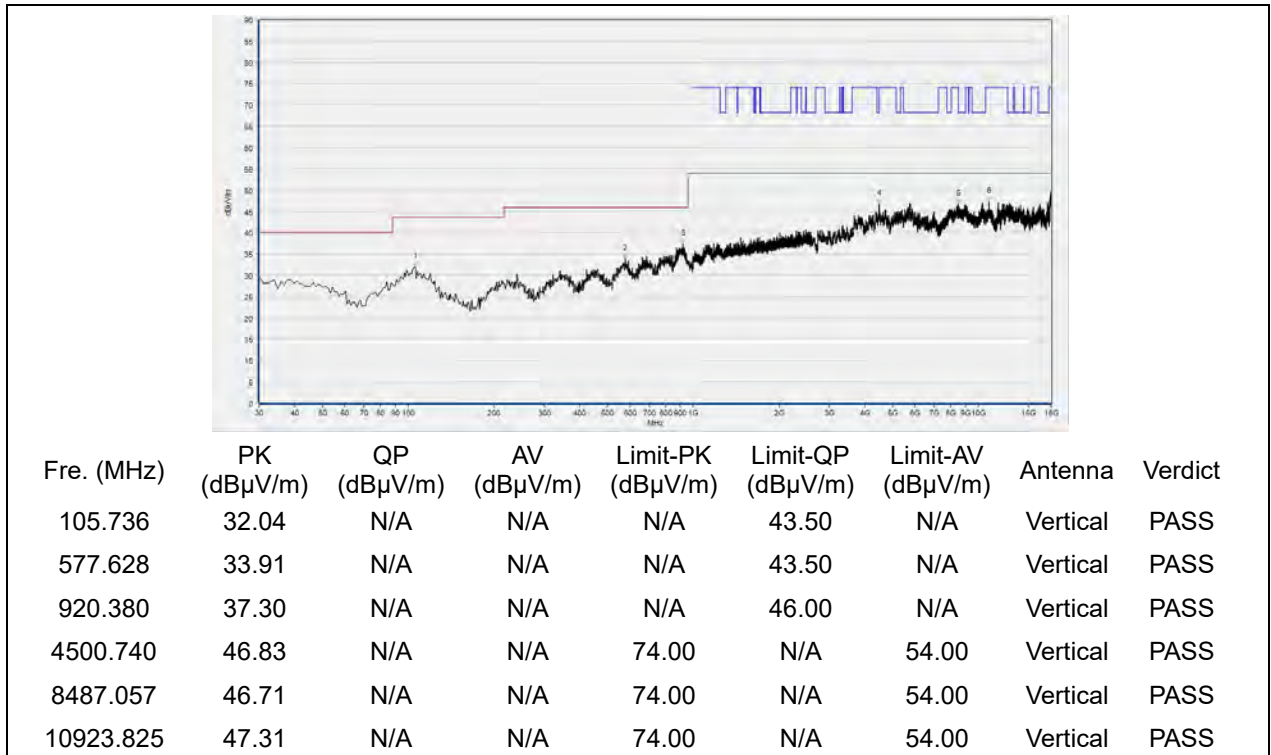
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	32.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
582.482	33.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
908.729	37.62	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4500.740	45.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8413.123	47.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12599.680	46.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64

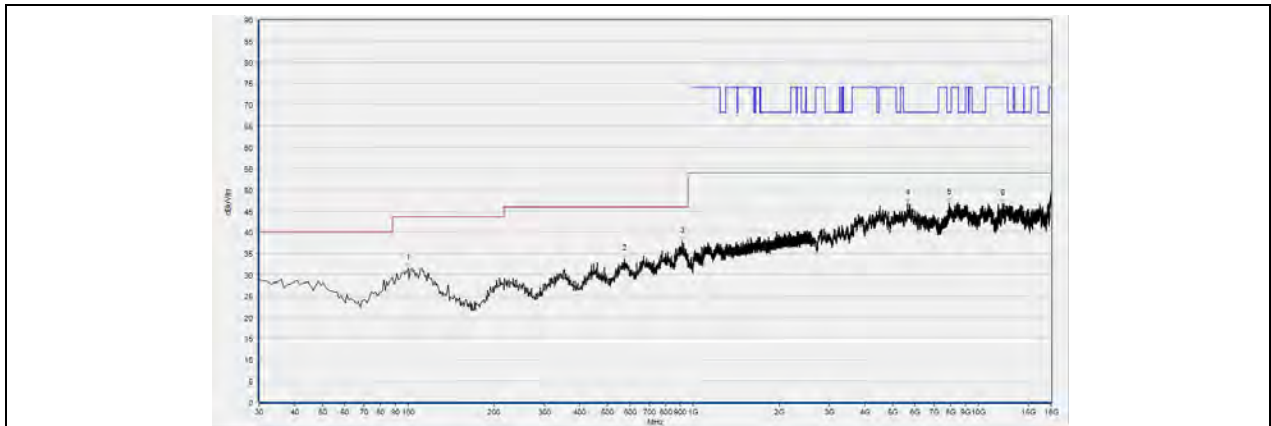


(Antenna Horizontal, 30MHz to 18GHz)



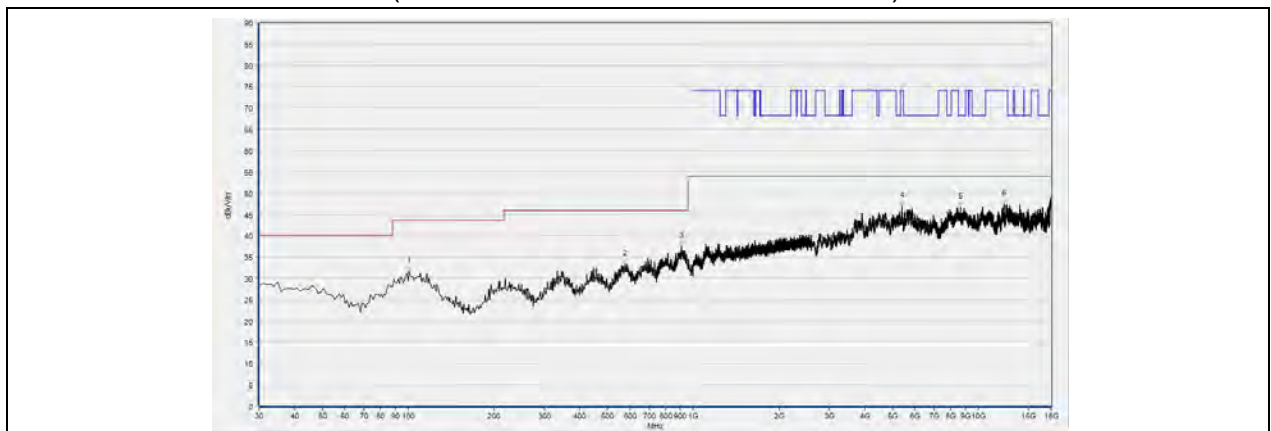
(Antenna Vertical, 30MHz to 18GHz)

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
99.910	31.43	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.584	37.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5643.649	46.81	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7917.143	46.90	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12196.119	46.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

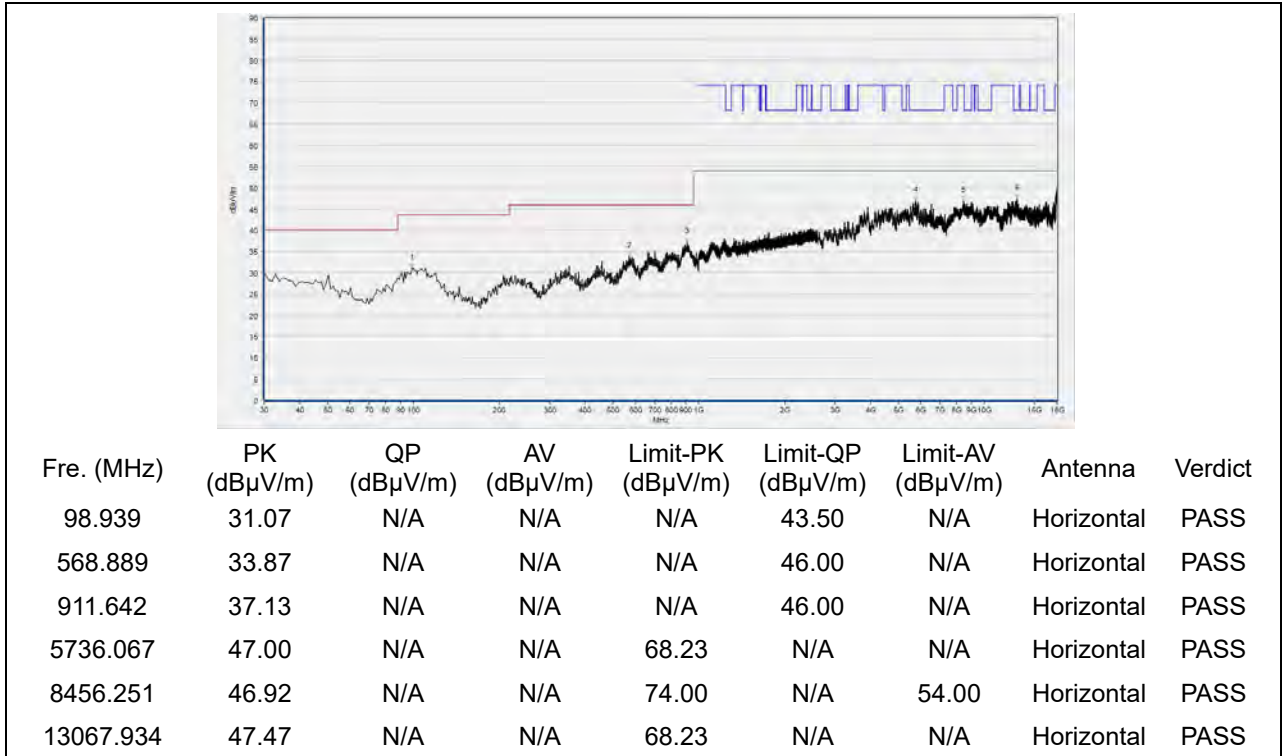
(Antenna Horizontal, 30MHz to 18GHz)



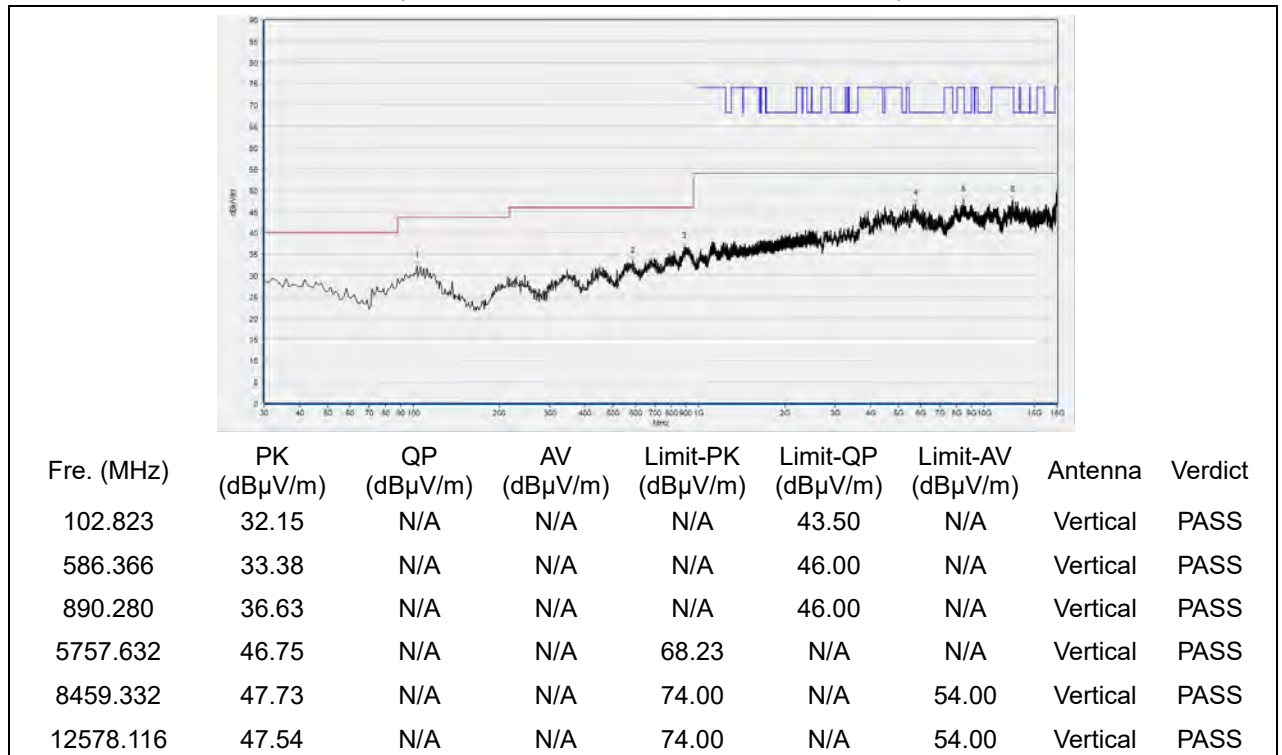
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	31.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	33.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
907.758	37.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5400.280	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8671.894	46.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12291.618	47.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120

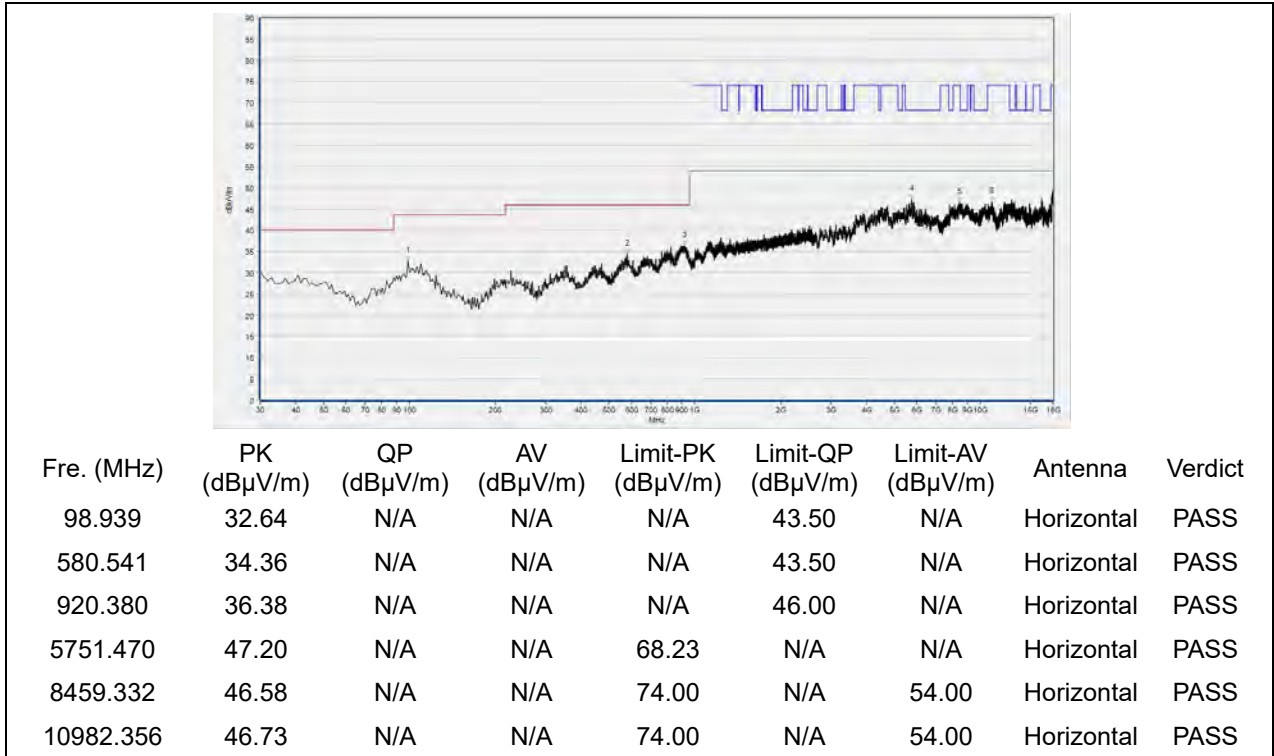


(Antenna Horizontal, 30MHz to 18GHz)

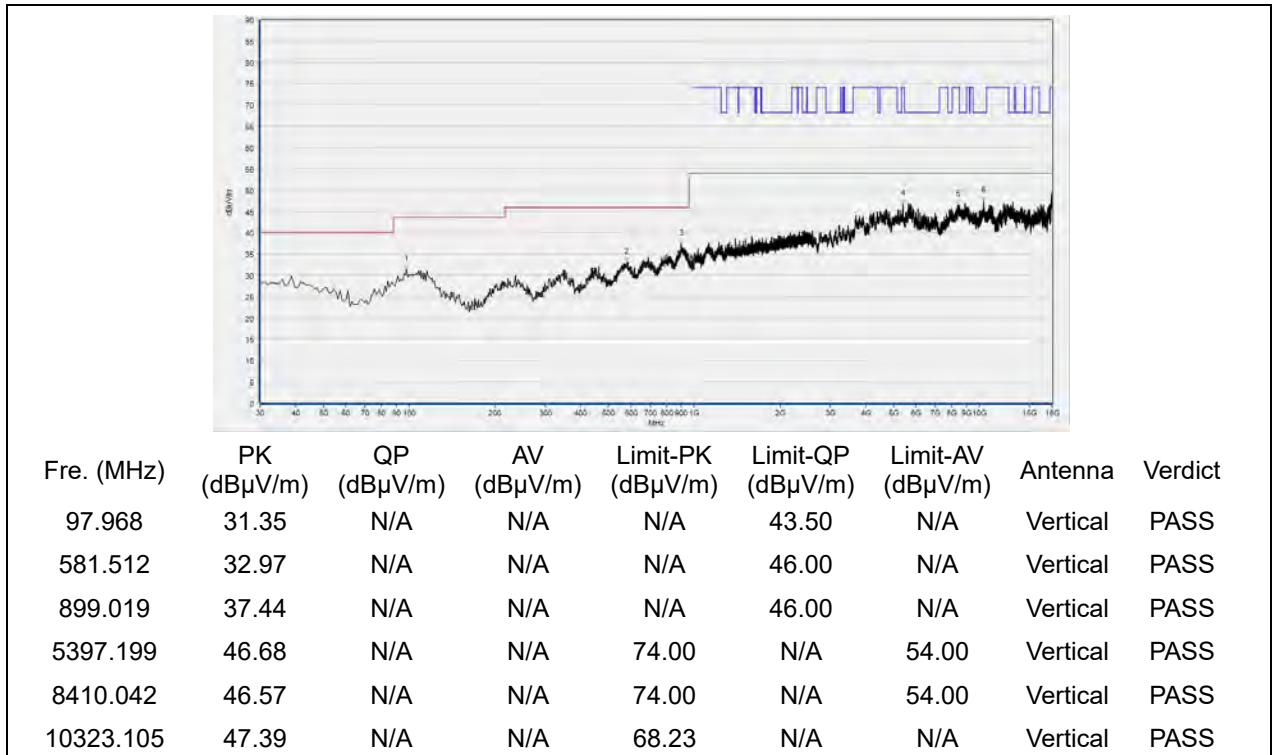


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 140

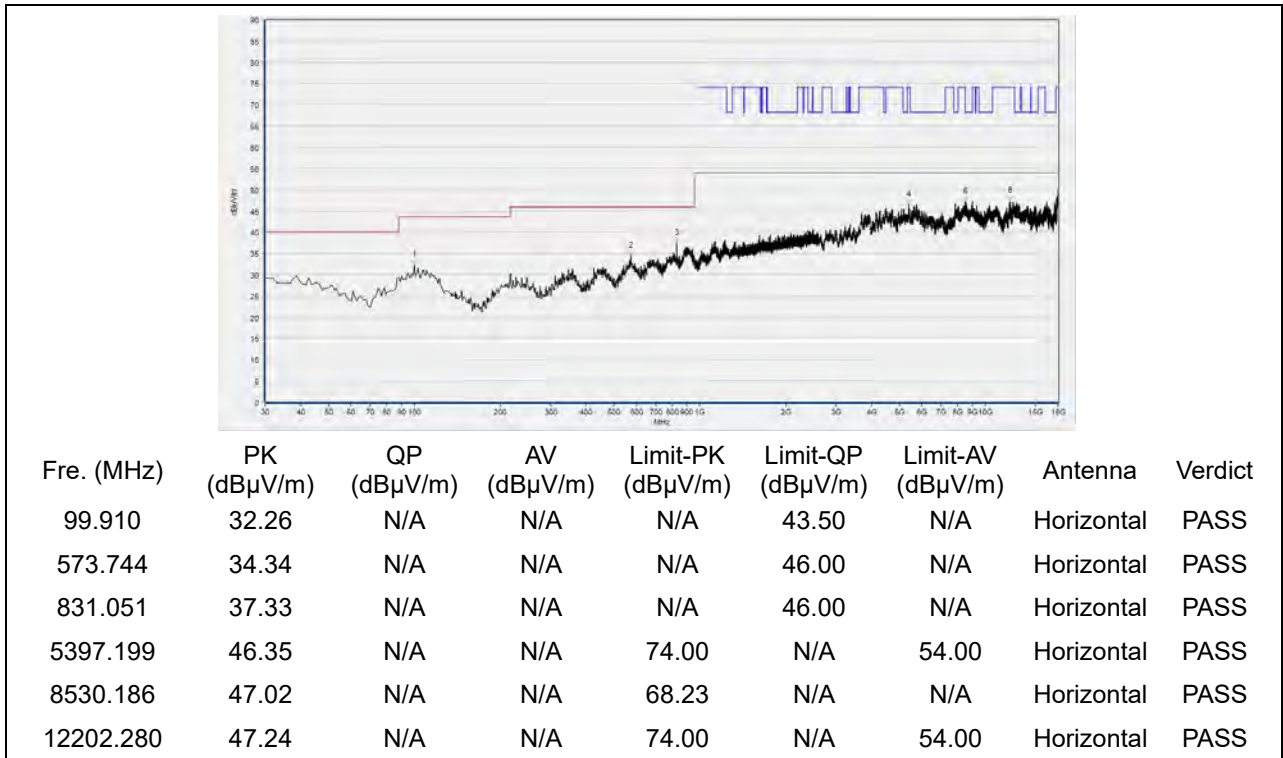


(Antenna Horizontal, 30MHz to 18GHz)

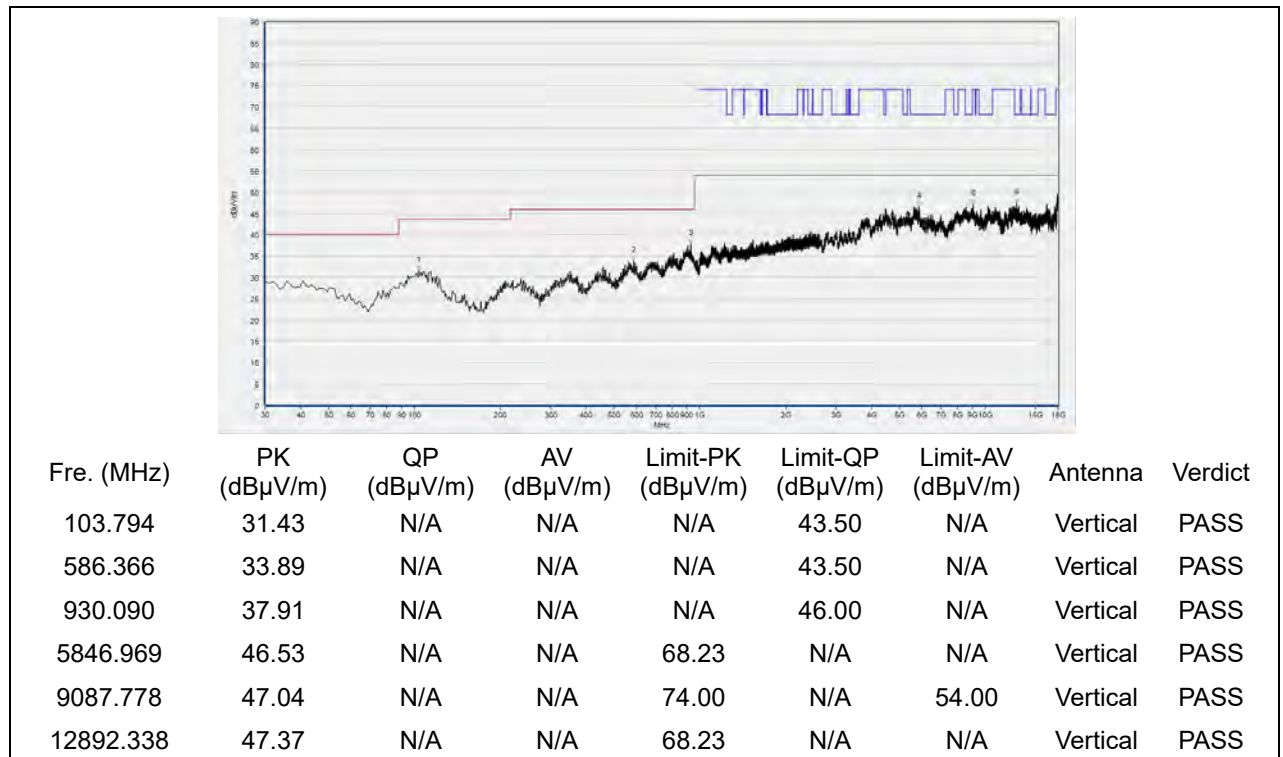


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149

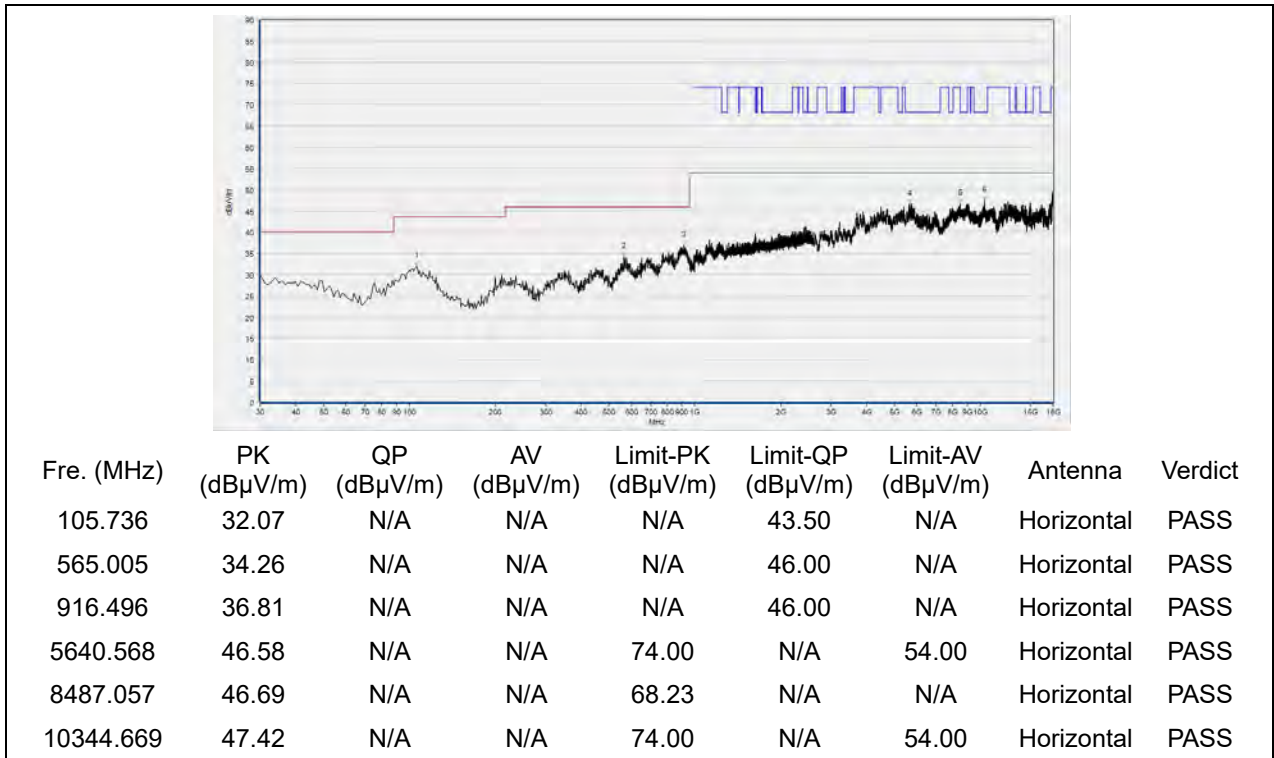


(Antenna Horizontal, 30MHz to 18GHz)

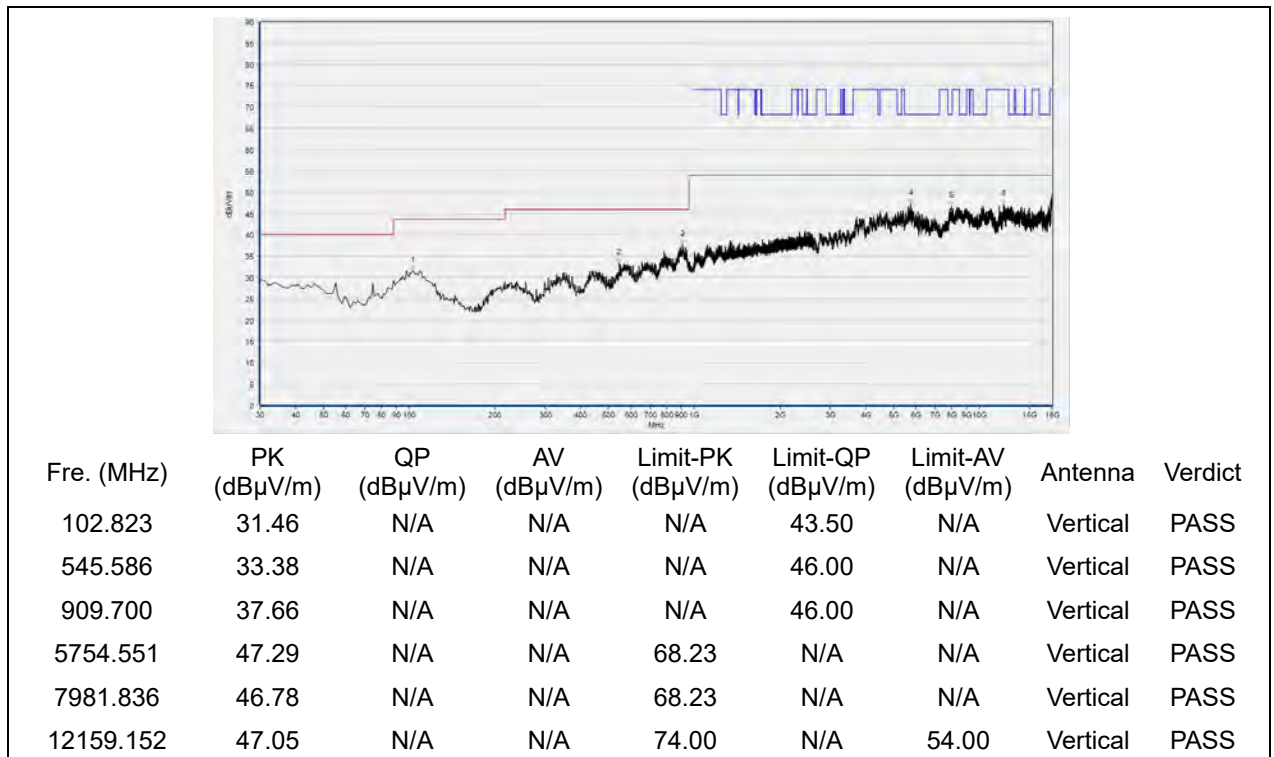


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157

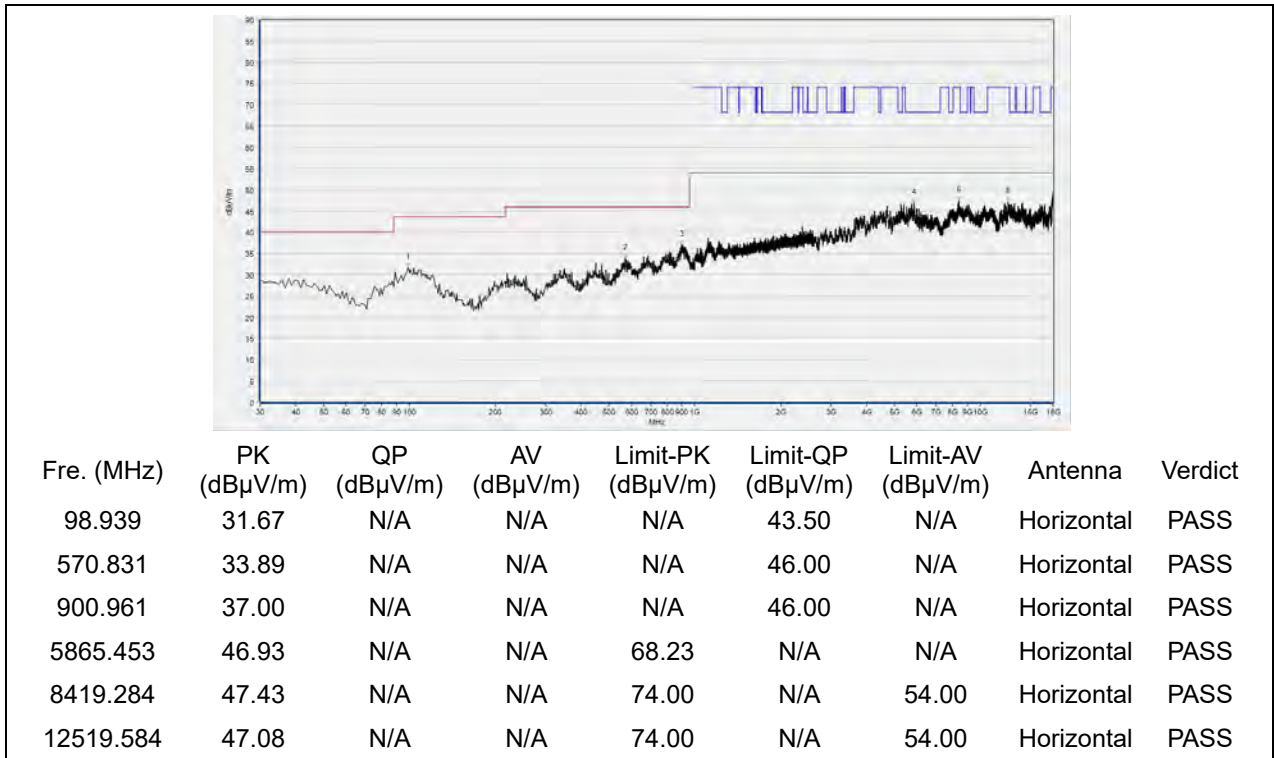


(Antenna Horizontal, 30MHz to 18GHz)

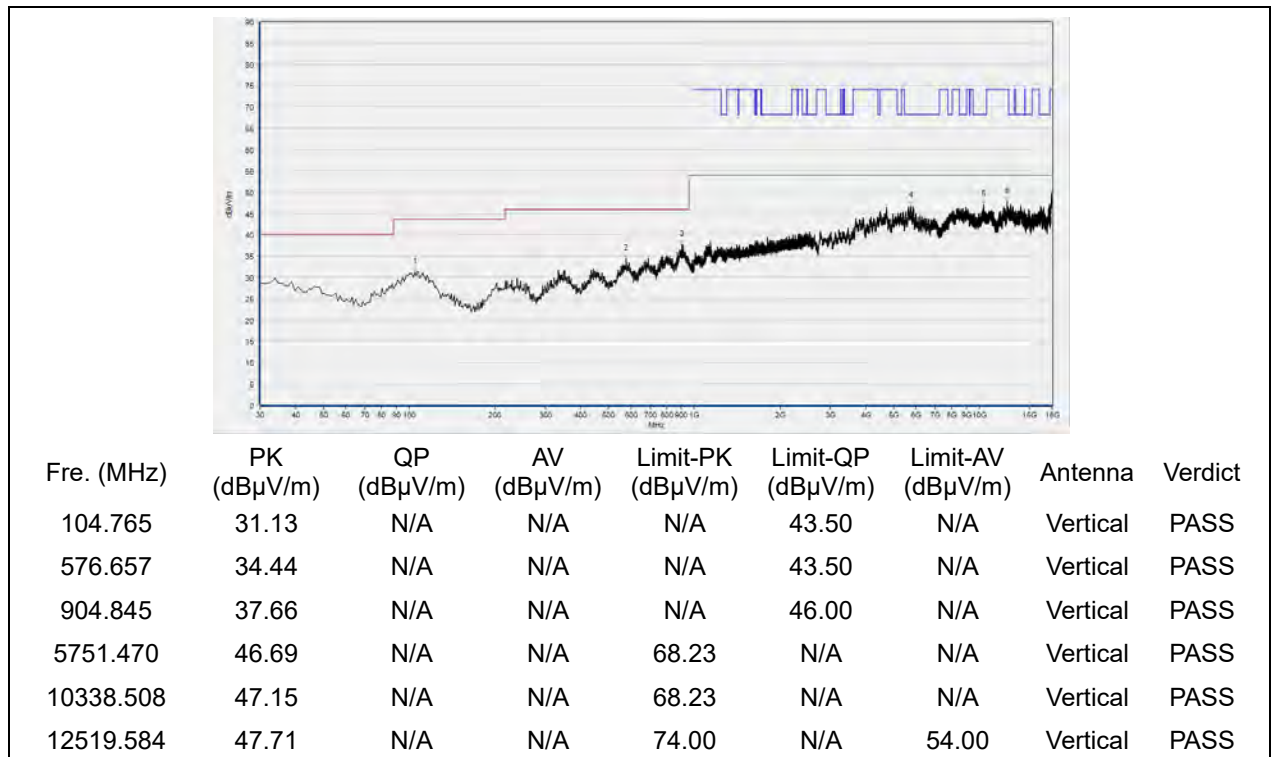


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



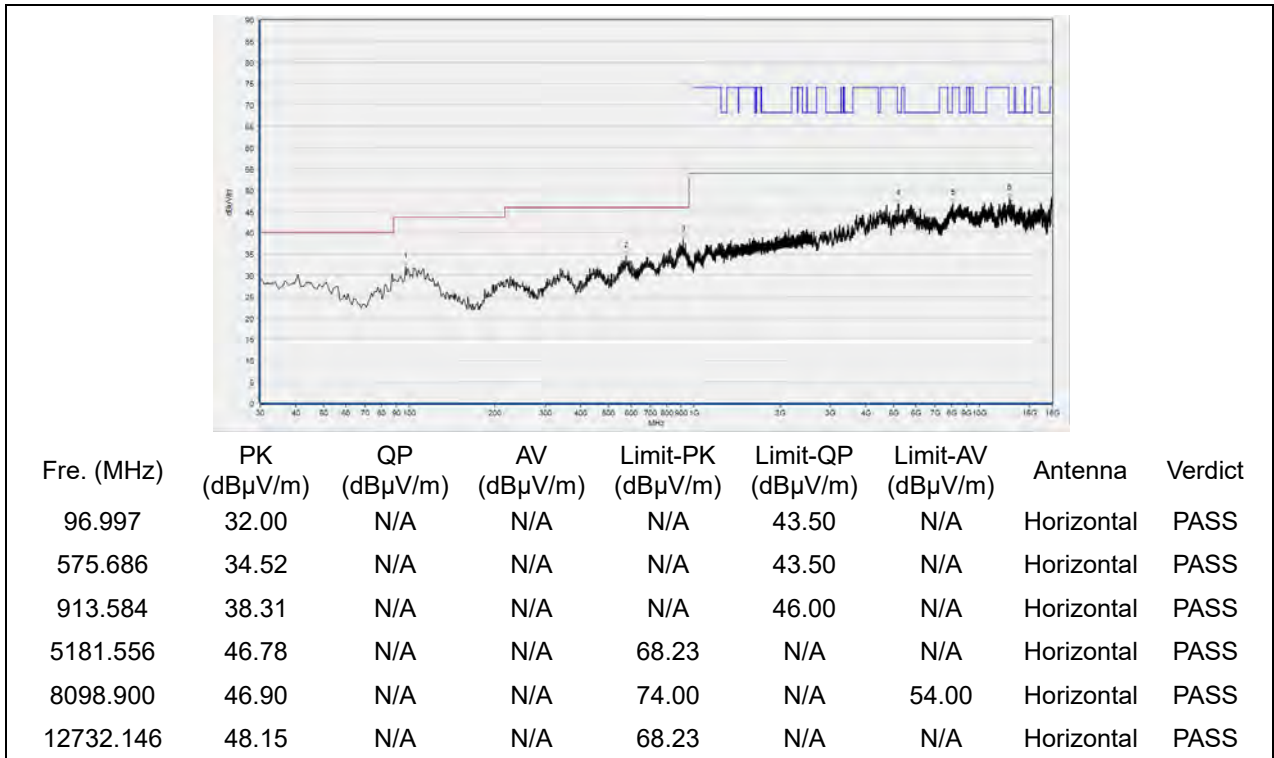
(Antenna Horizontal, 30MHz to 18GHz)



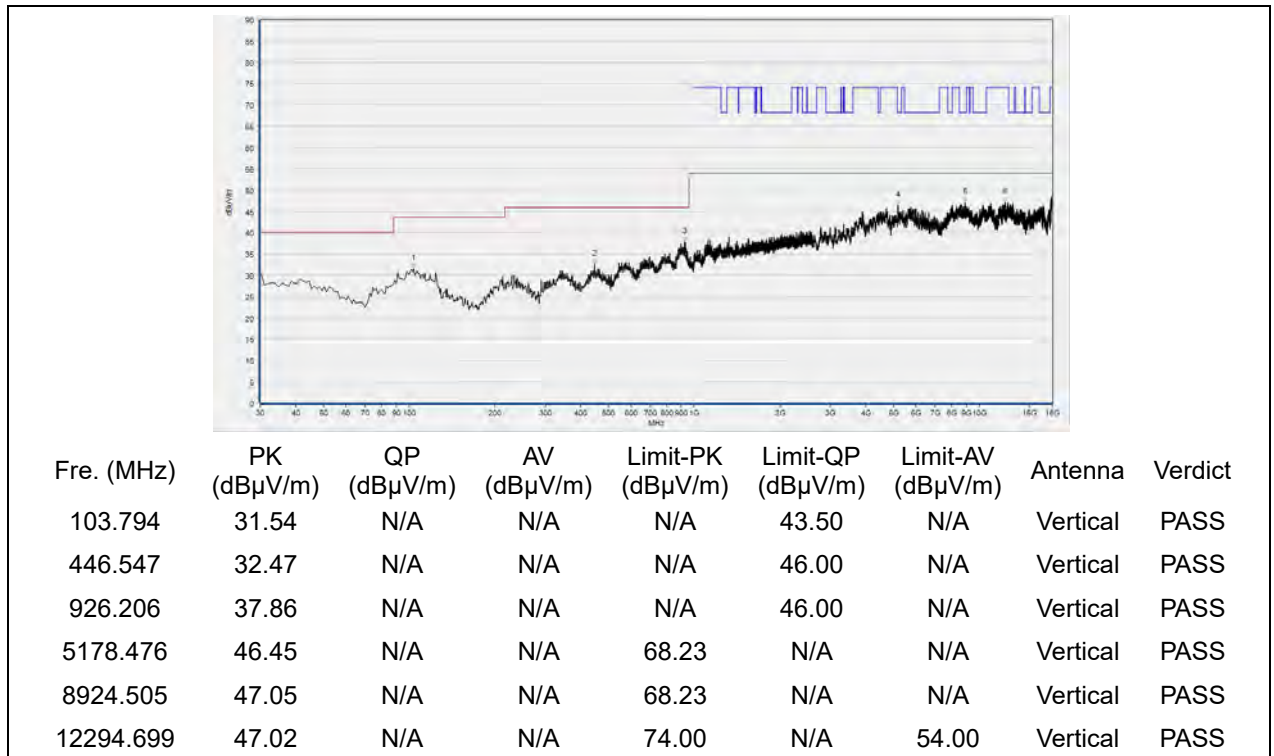
(Antenna Vertical, 30MHz to 18GHz)

802.11n (HT40) mode

Plot for Channel 38

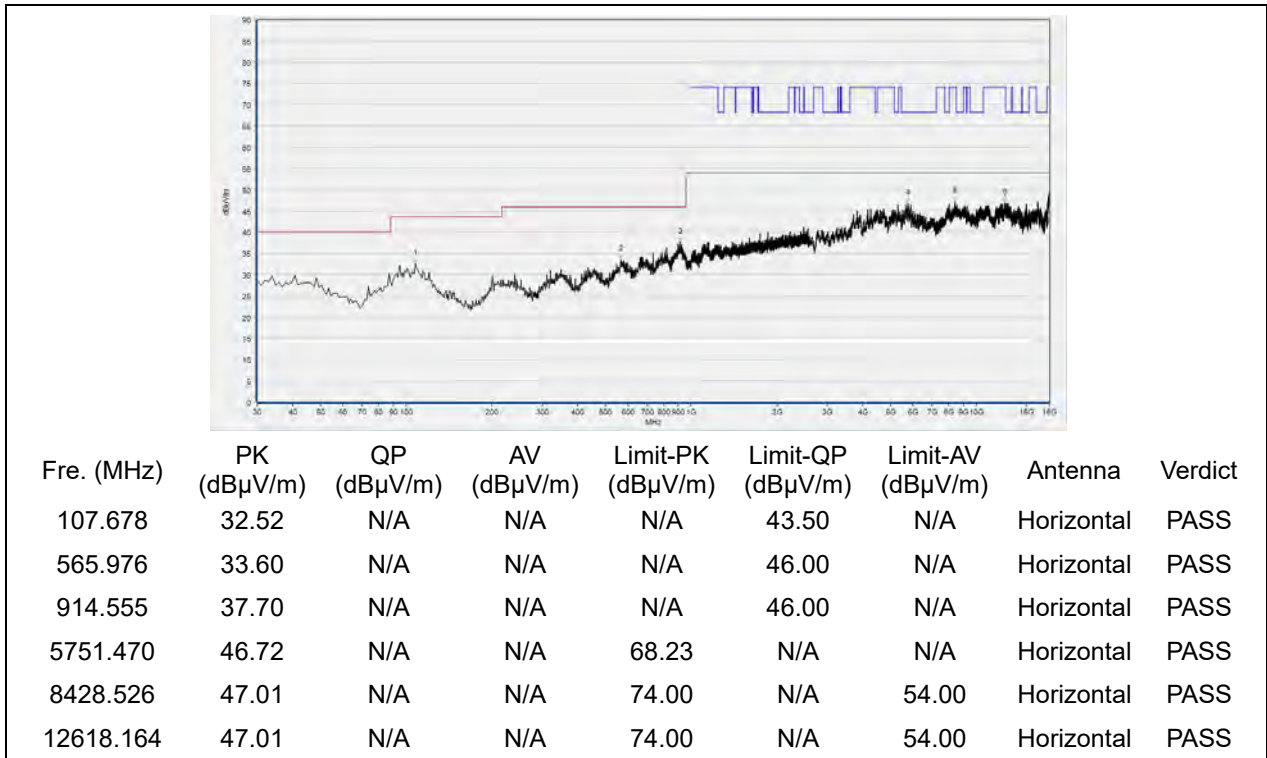


(Antenna Horizontal, 30MHz to 18GHz)

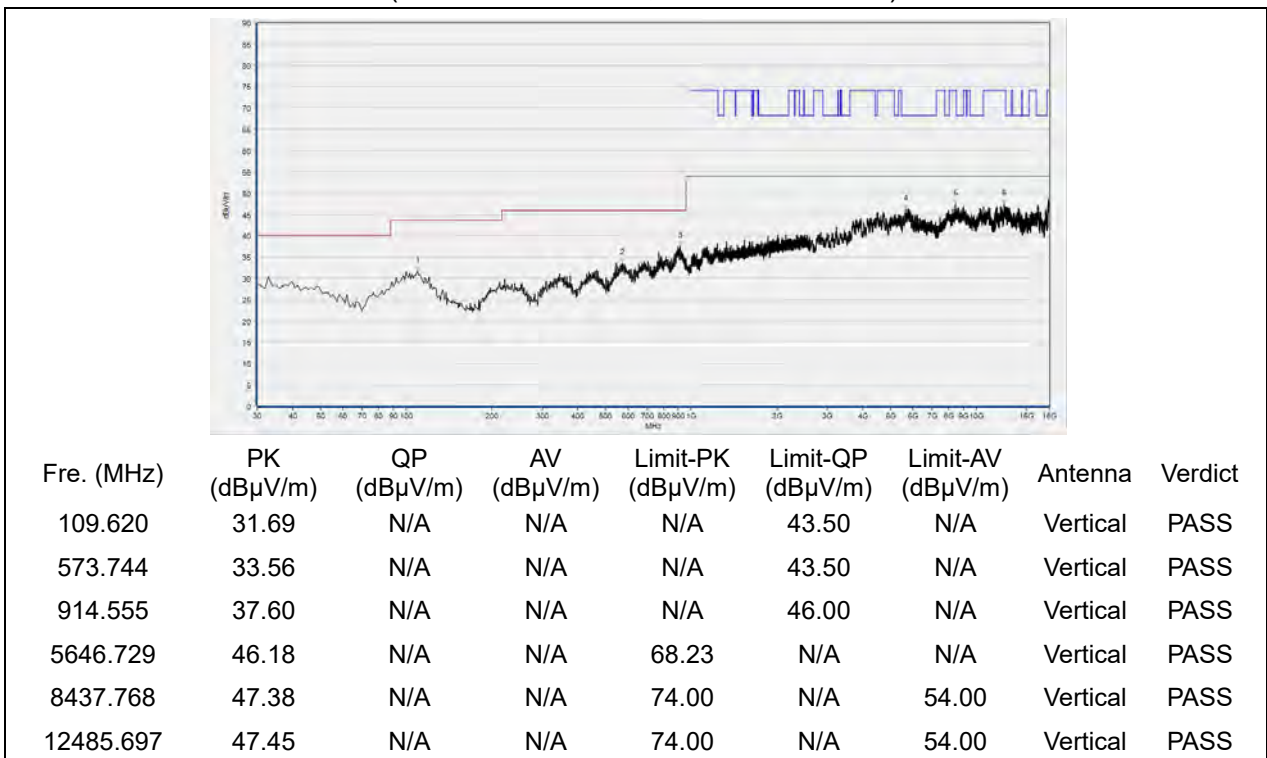


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46

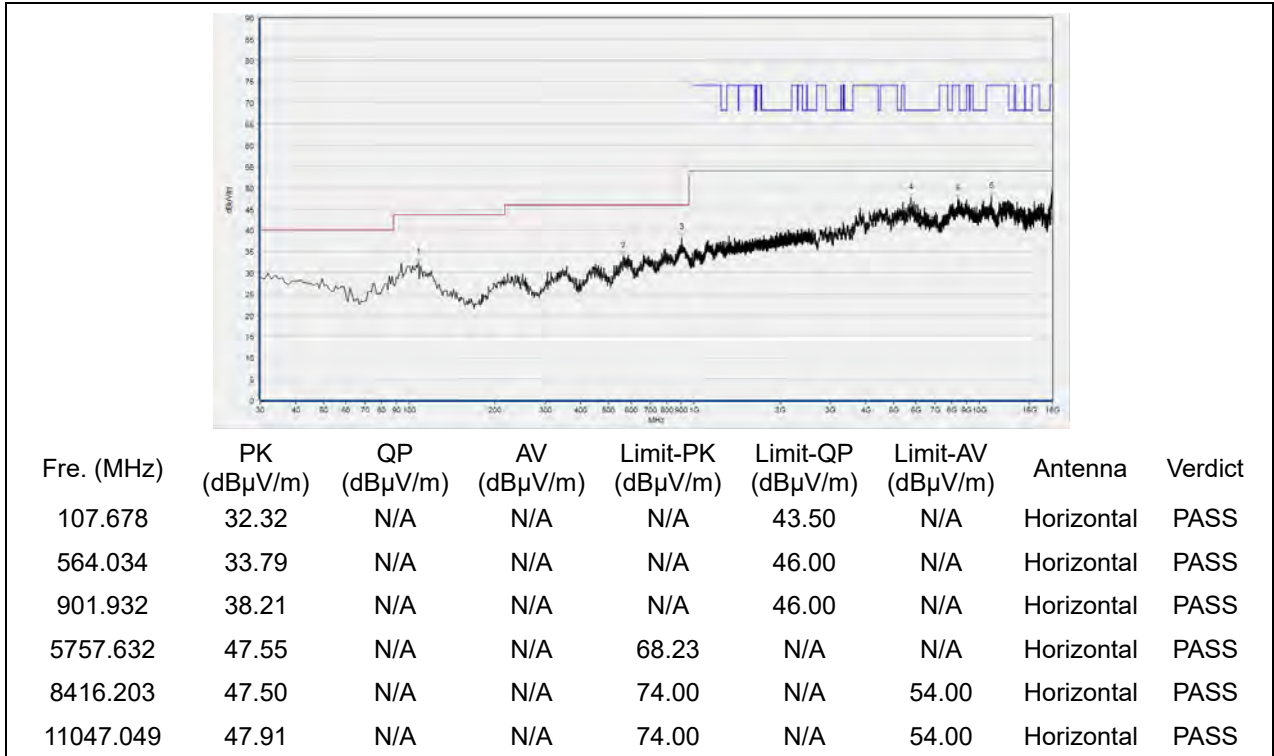


(Antenna Horizontal, 30MHz to 18GHz)

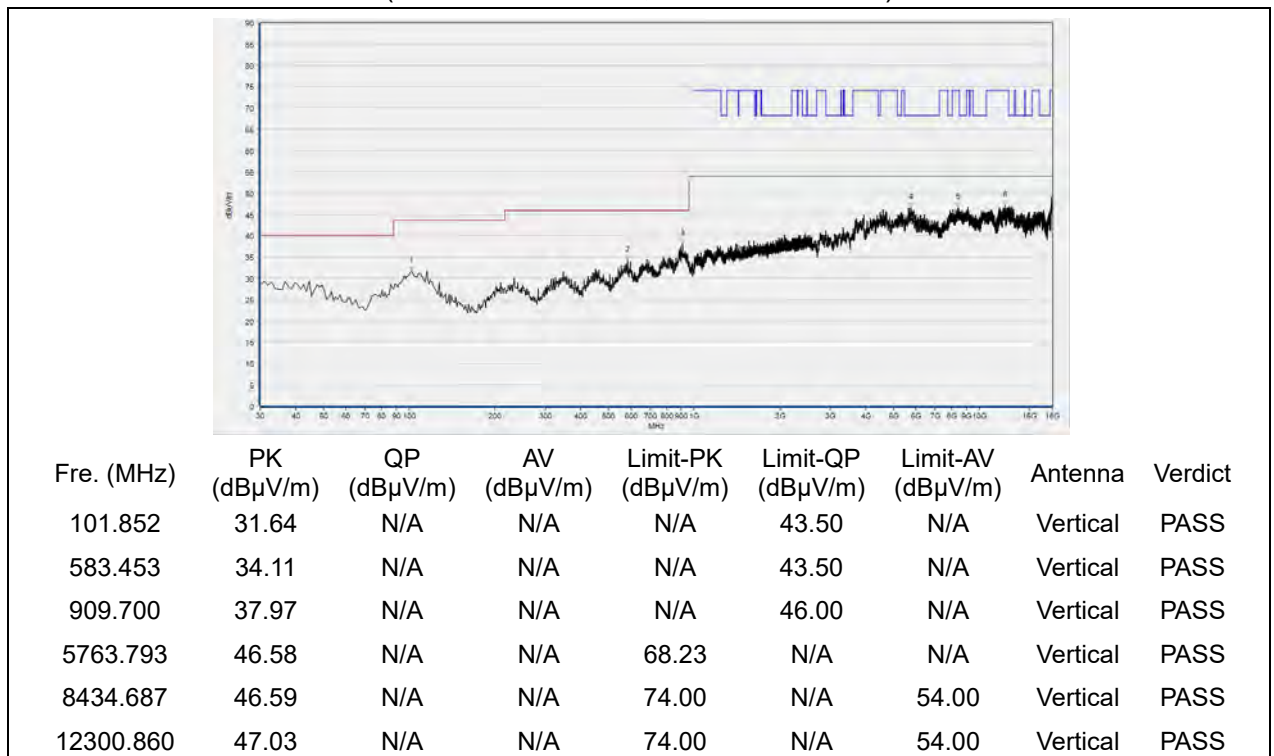


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 54

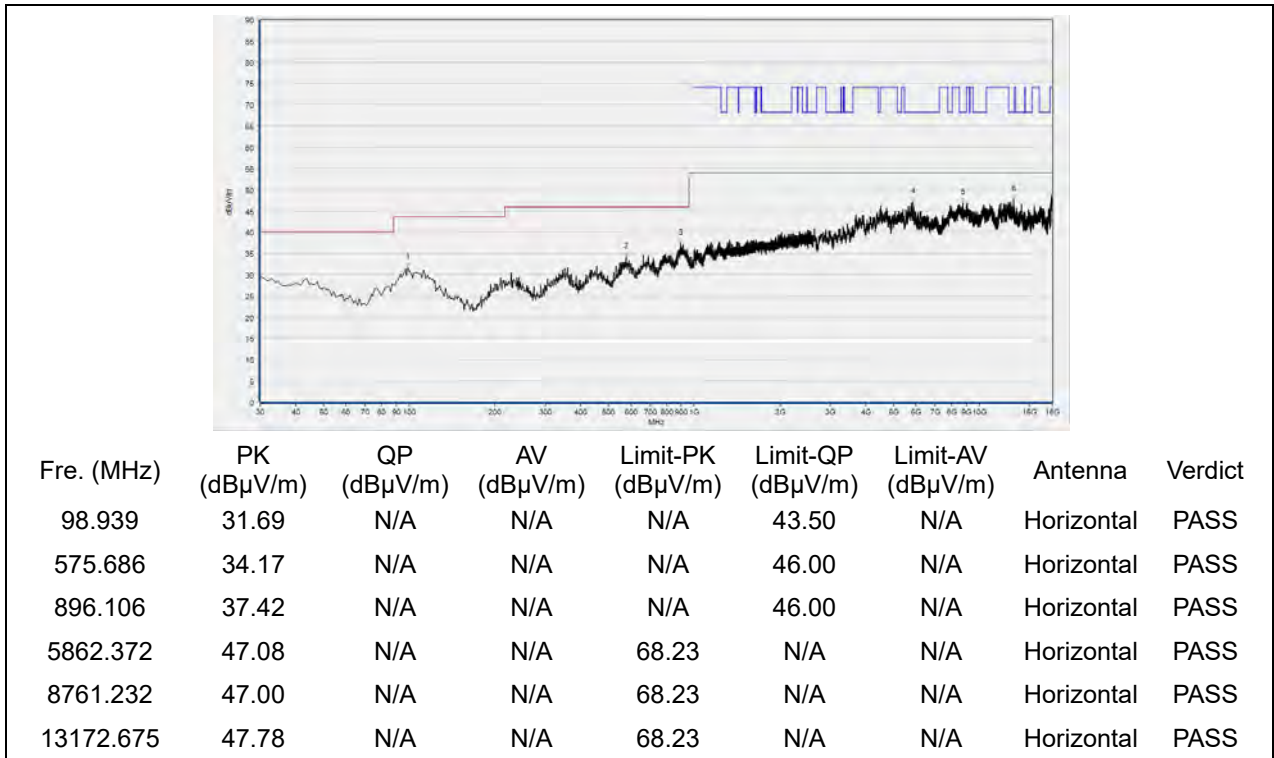


(Antenna Horizontal, 30MHz to 18GHz)

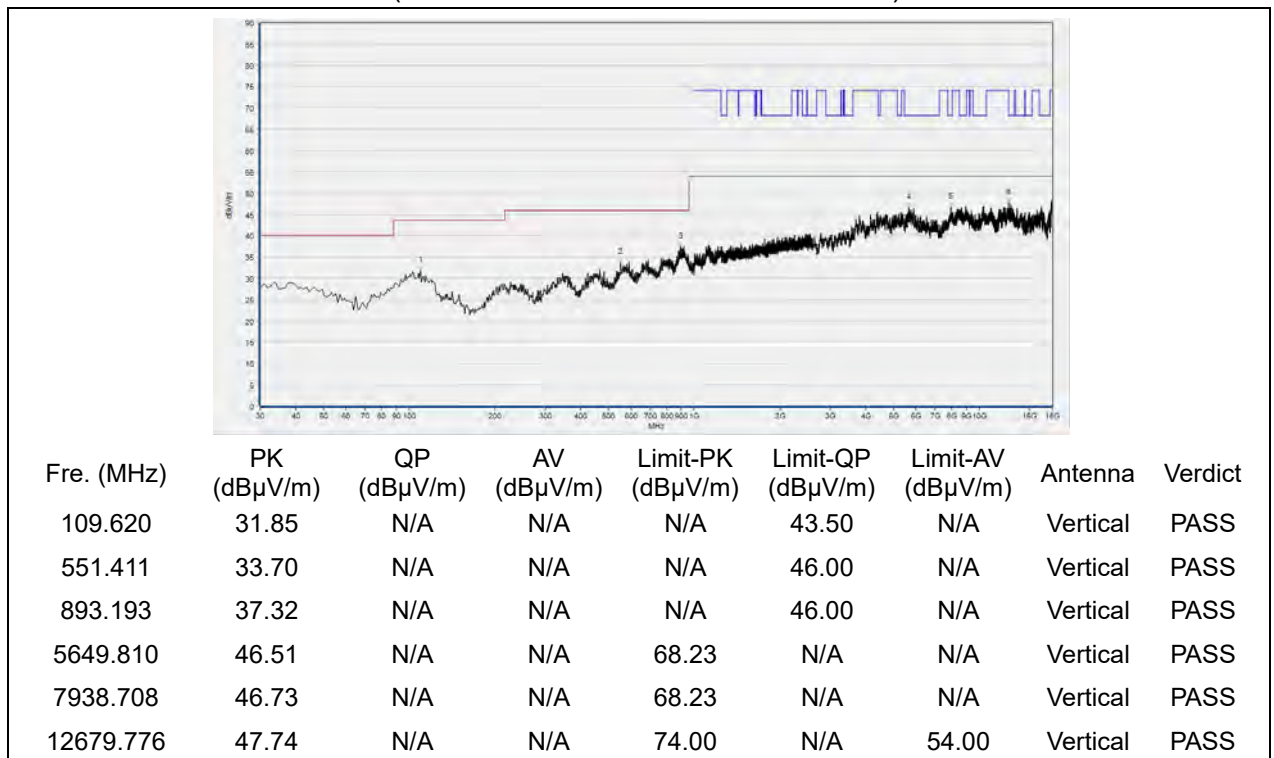


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62

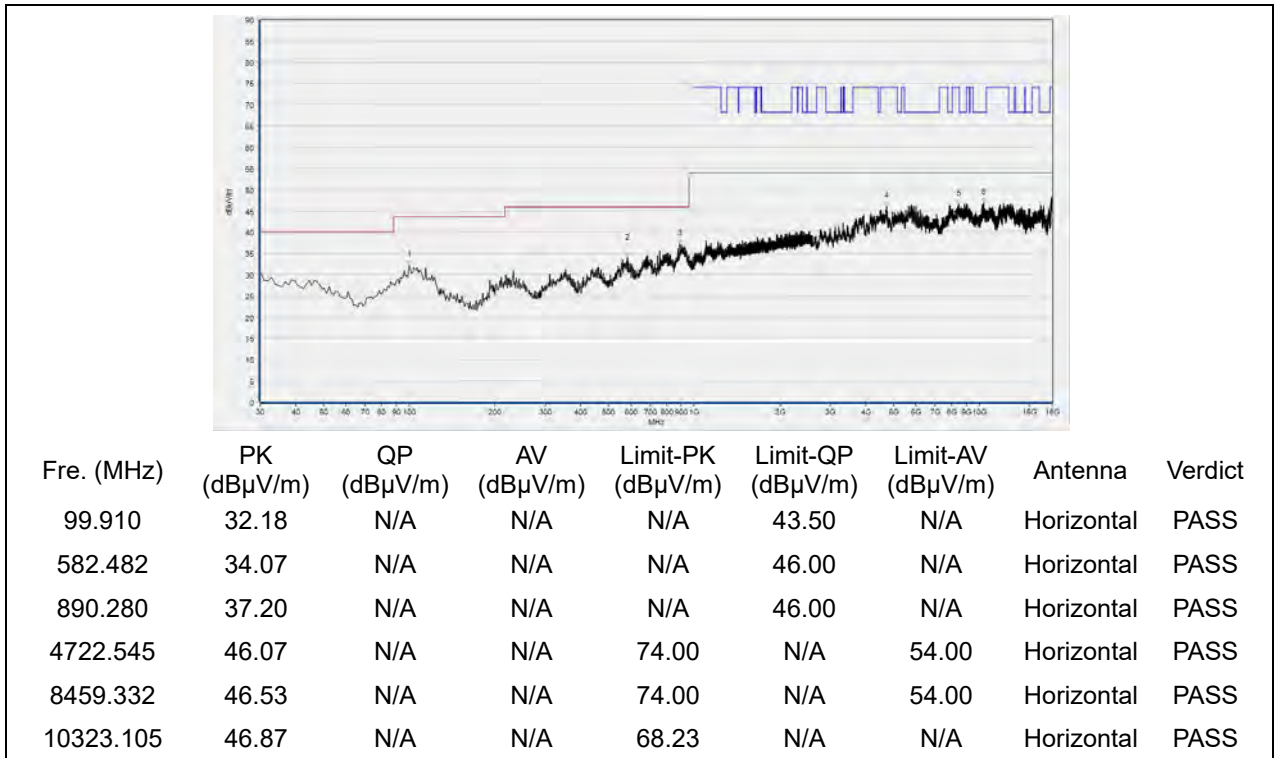


(Antenna Horizontal, 30MHz to 18GHz)

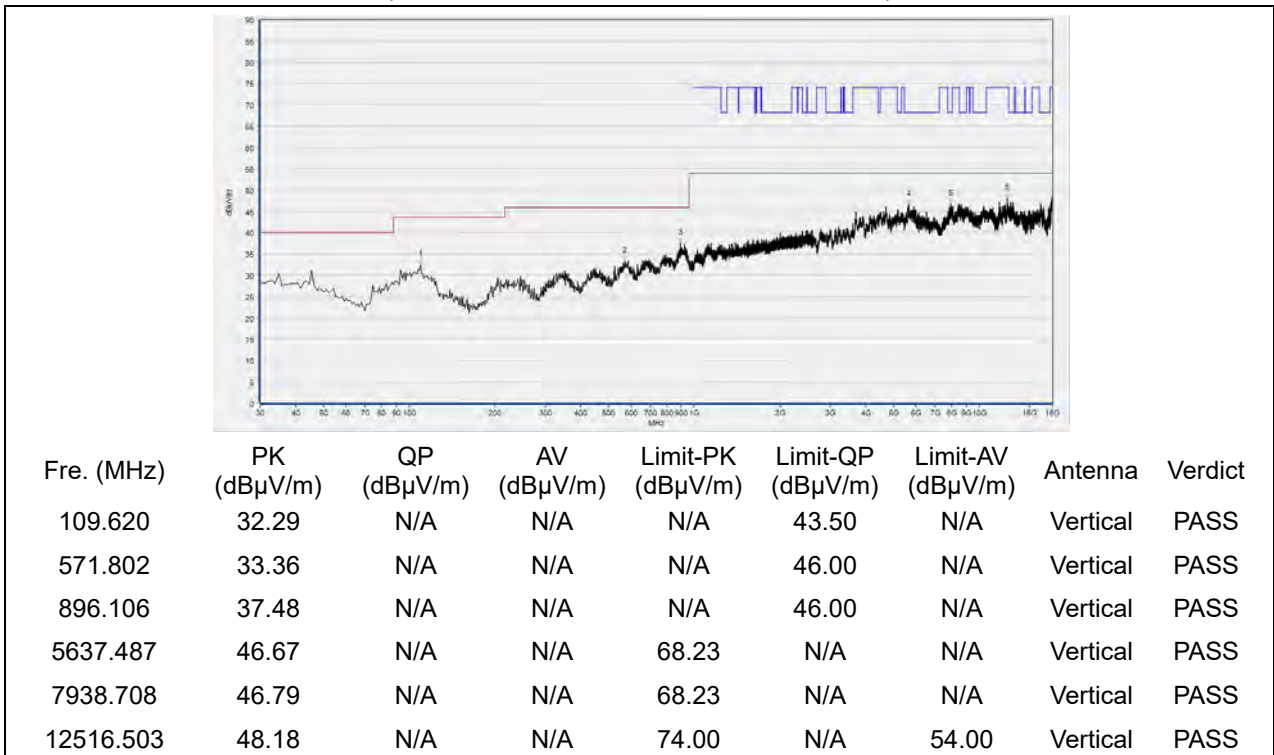


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102

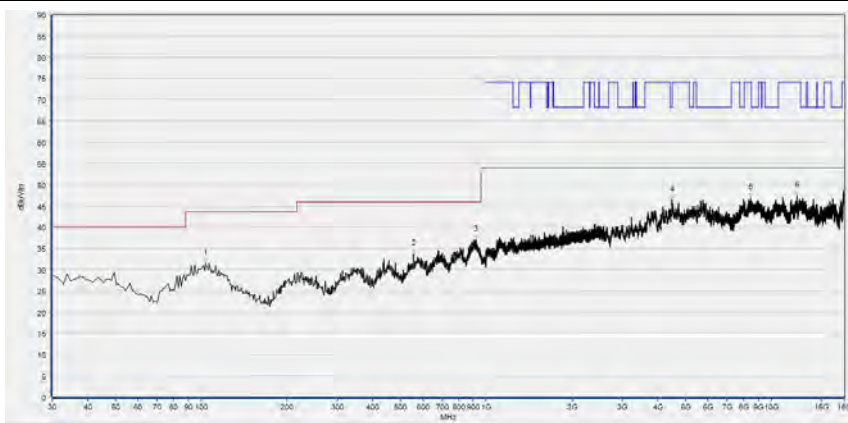


(Antenna Horizontal, 30MHz to 18GHz)



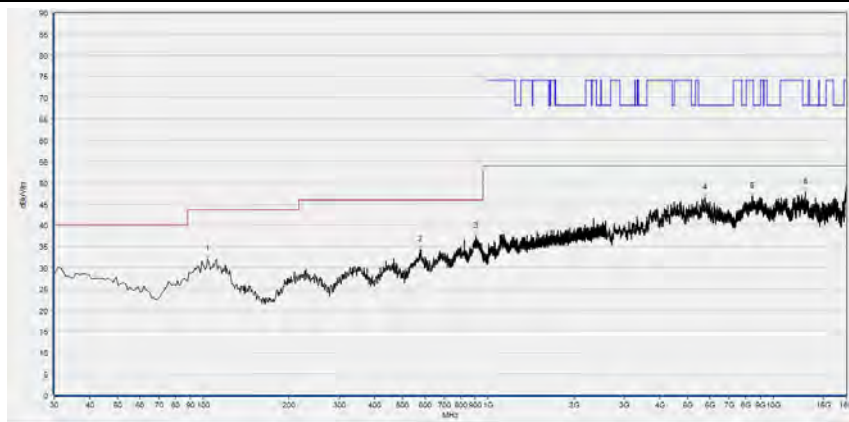
(Antenna Vertical, 30MHz to 18GHz)

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
103.794	31.37	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
556.266	33.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
917.467	36.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4476.095	46.34	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8459.332	46.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12282.376	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

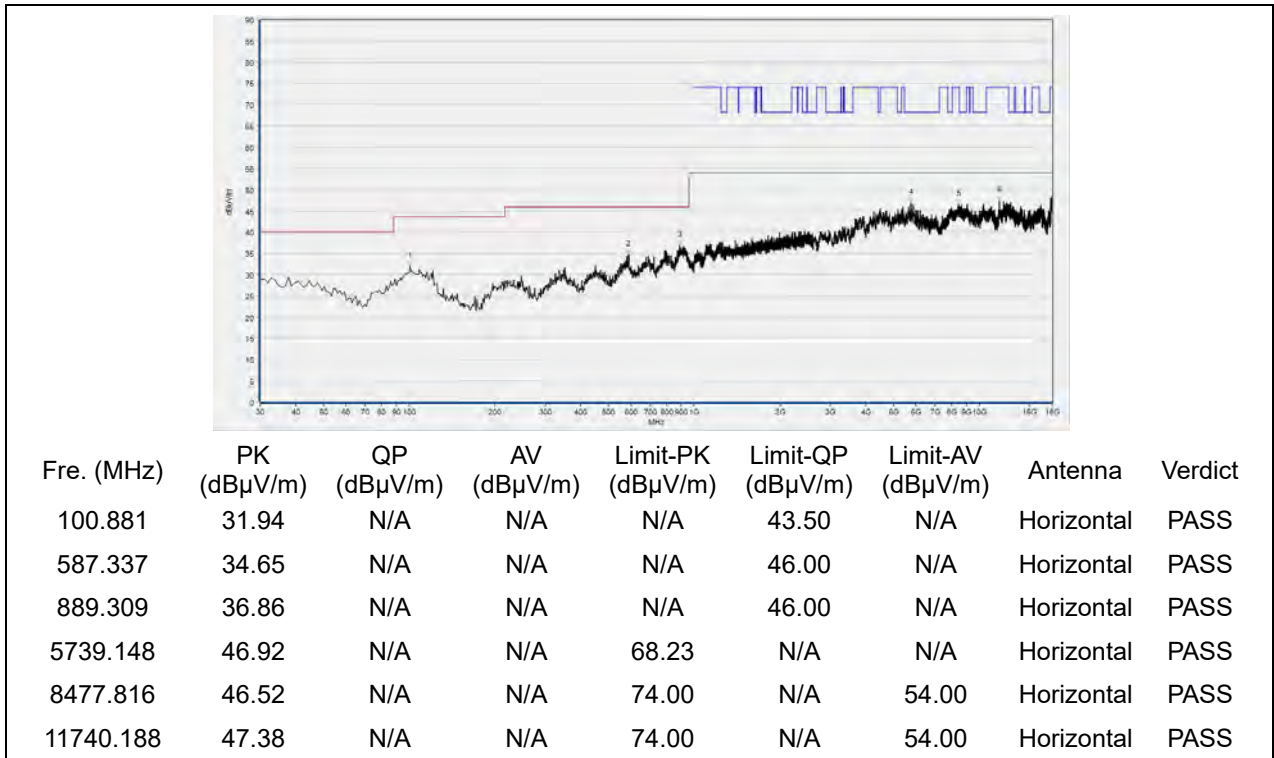
(Antenna Horizontal, 30MHz to 18GHz)



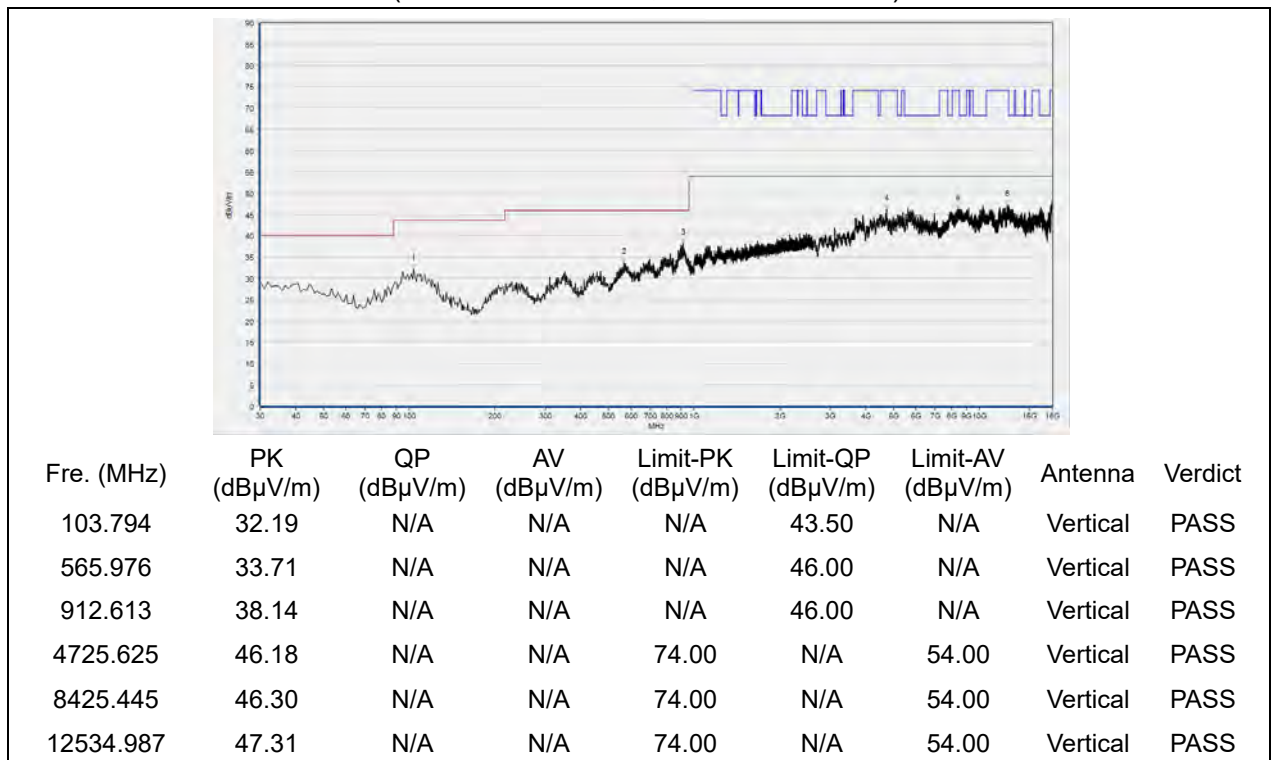
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
103.794	31.97	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	34.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	37.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5751.470	46.35	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8413.123	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12923.145	47.73	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 134

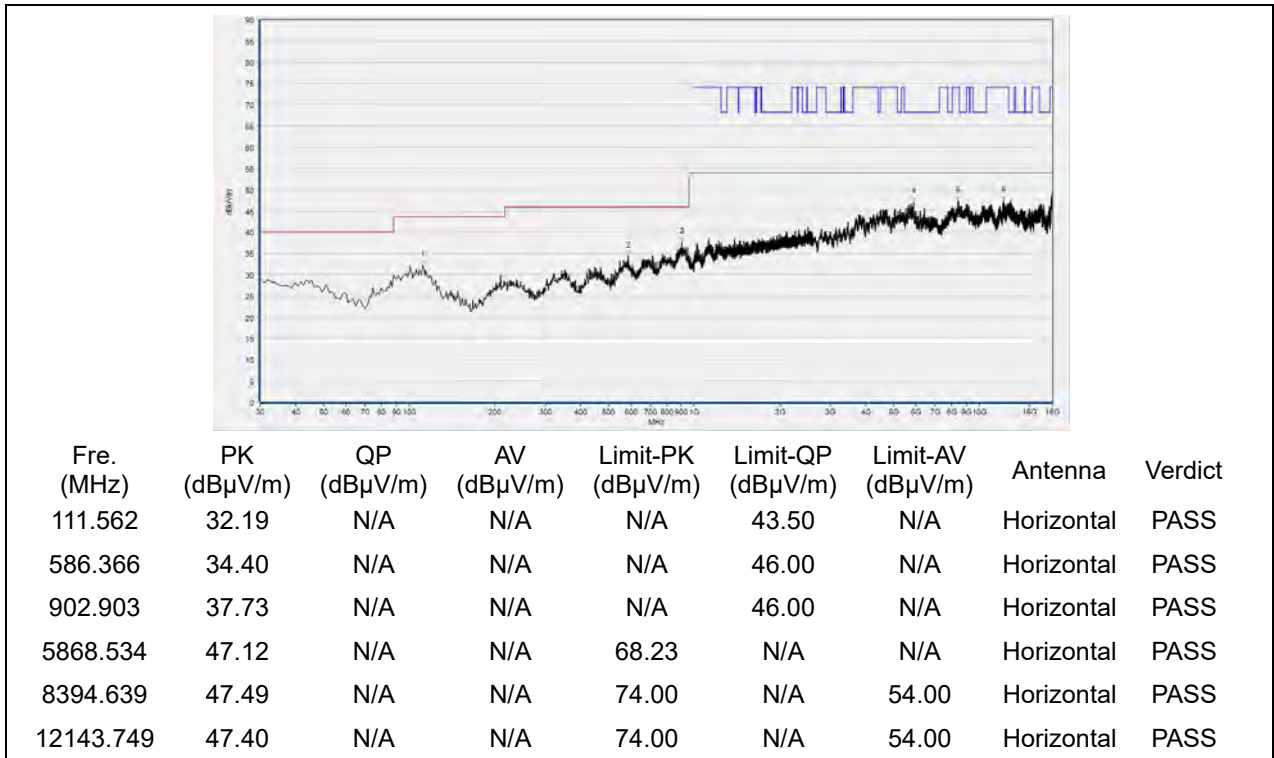


(Antenna Horizontal, 30MHz to 18GHz)

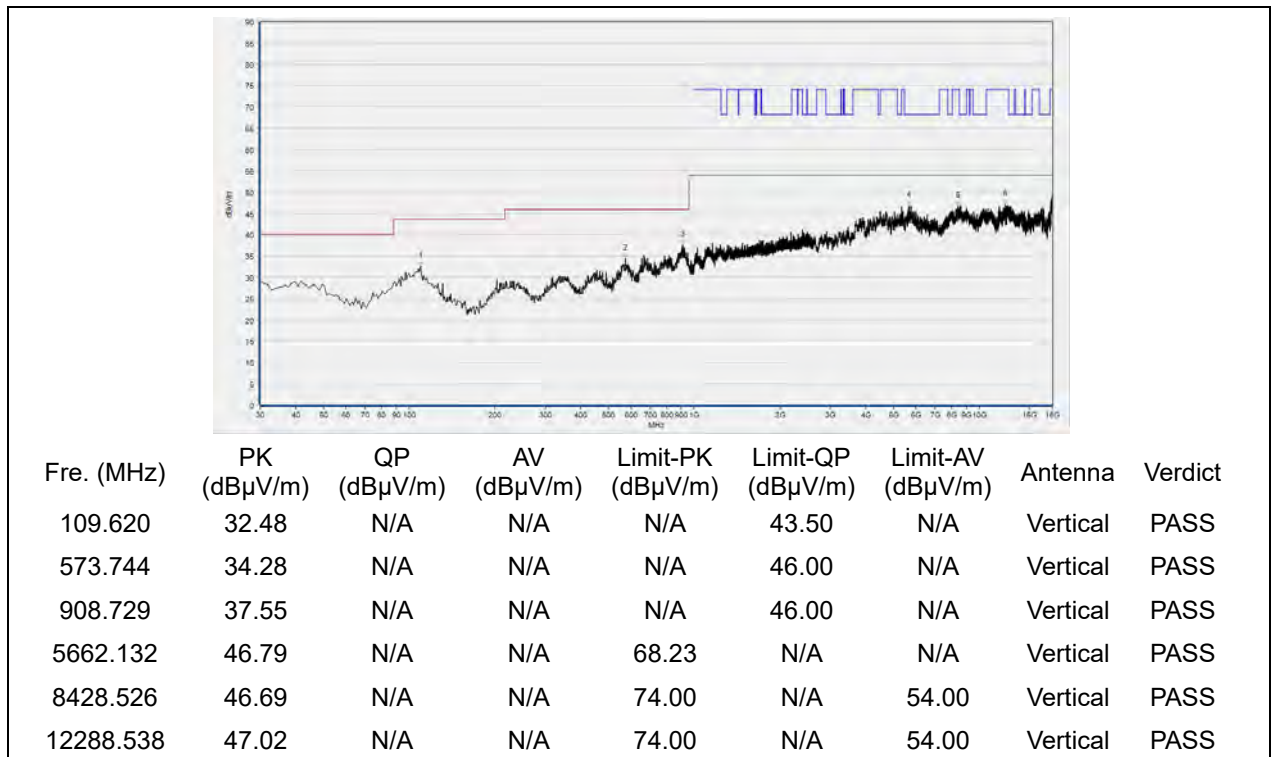


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151

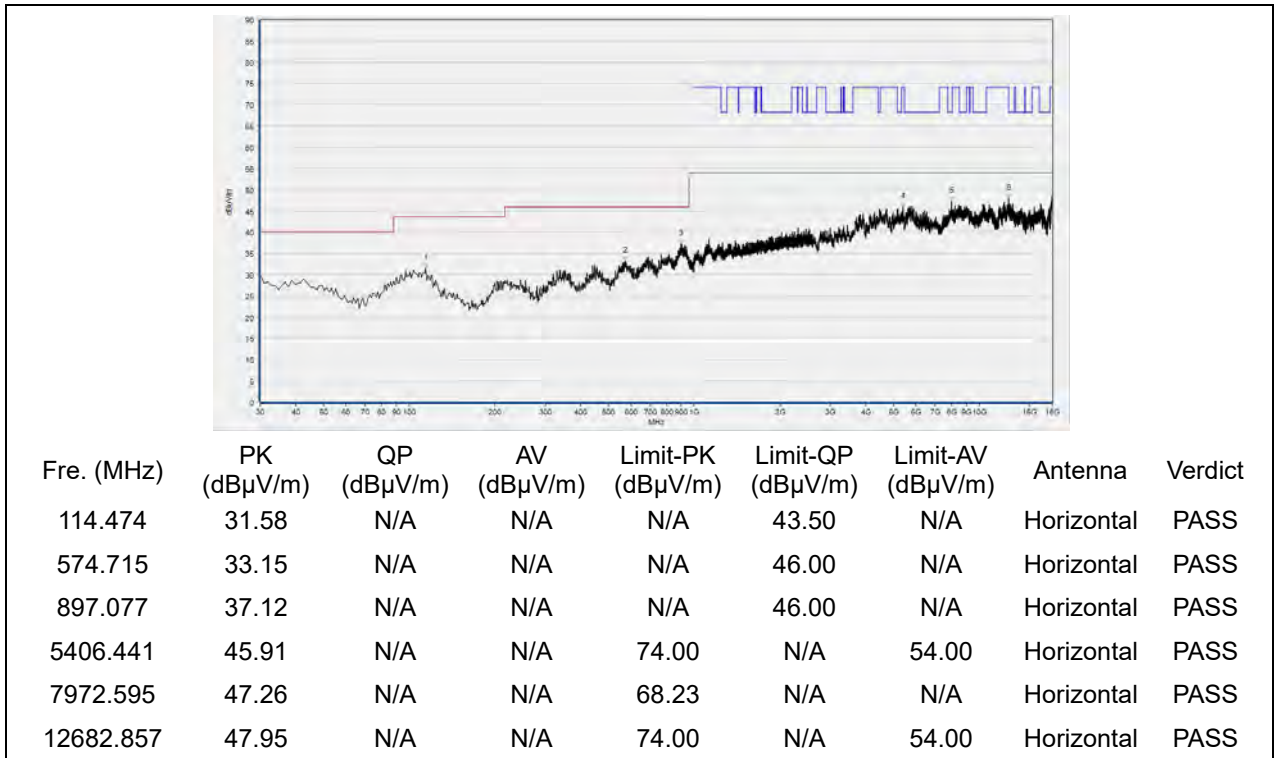


(Antenna Horizontal, 30MHz to 18GHz)

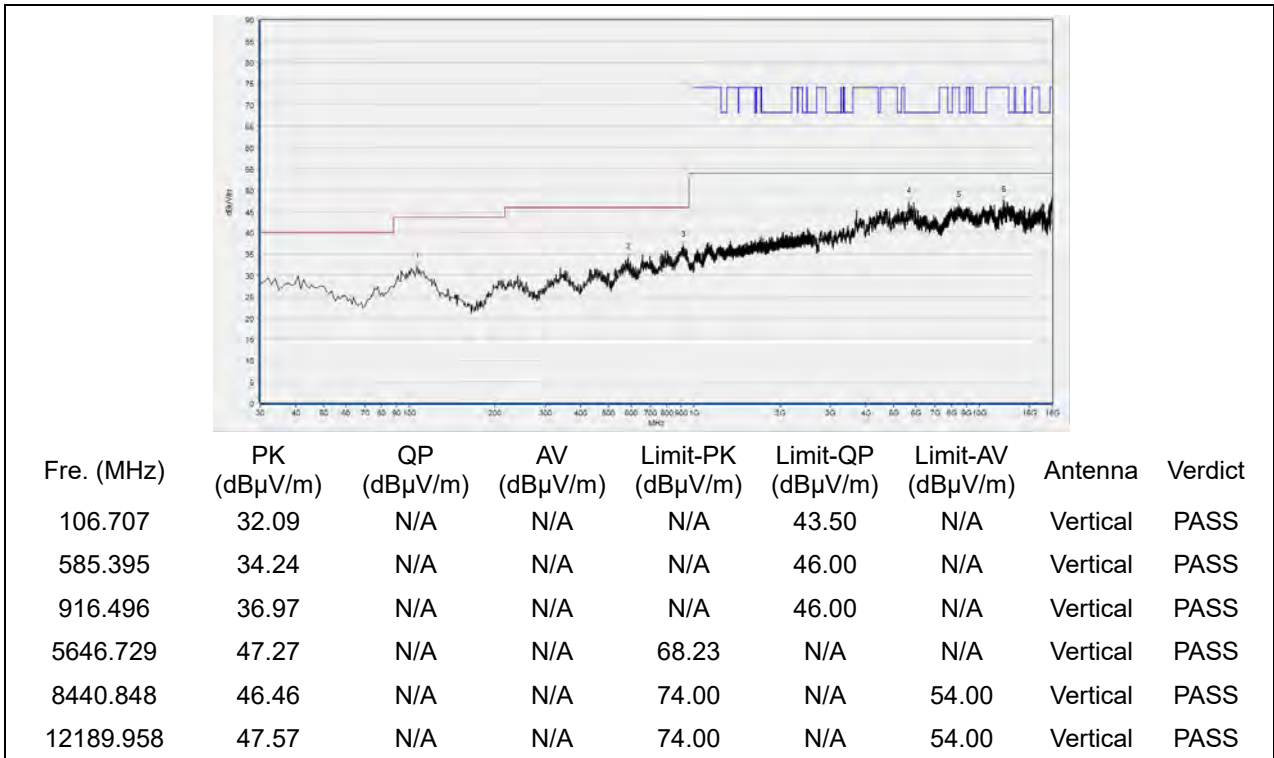


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



(Antenna Horizontal, 30MHz to 18GHz)

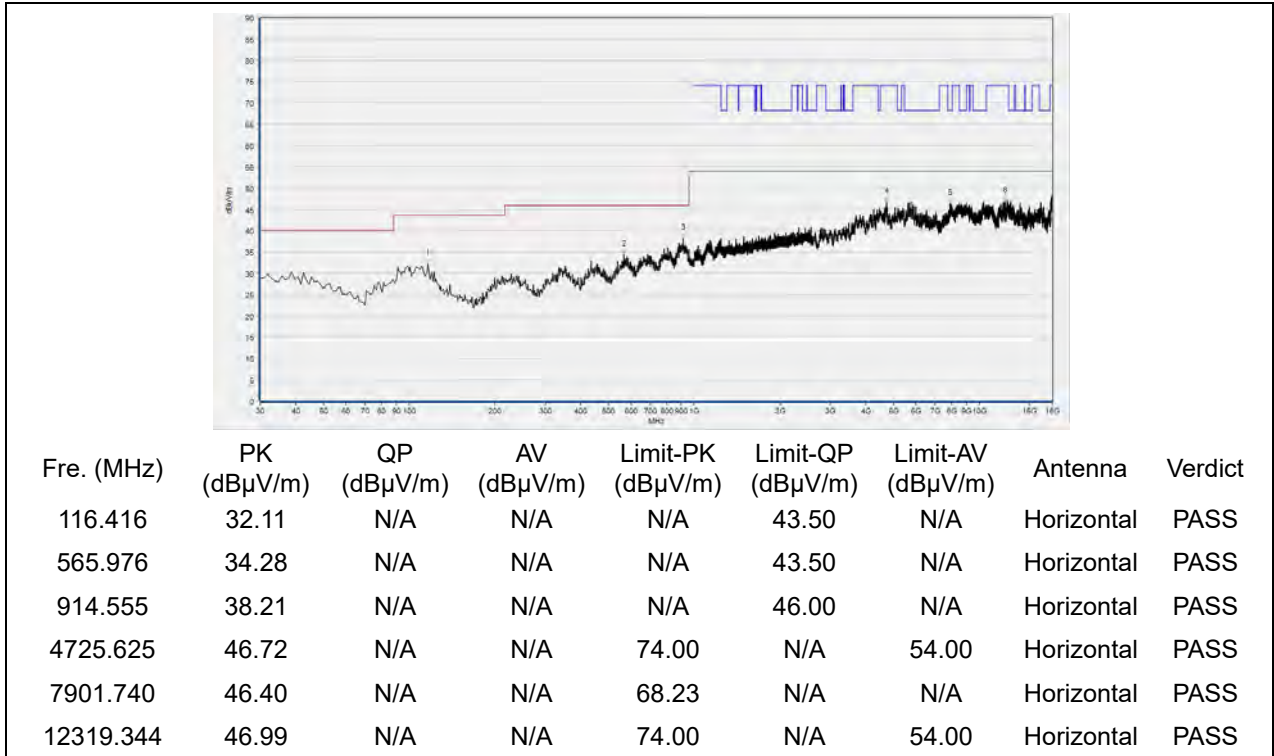


(Antenna Vertical, 30MHz to 18GHz)

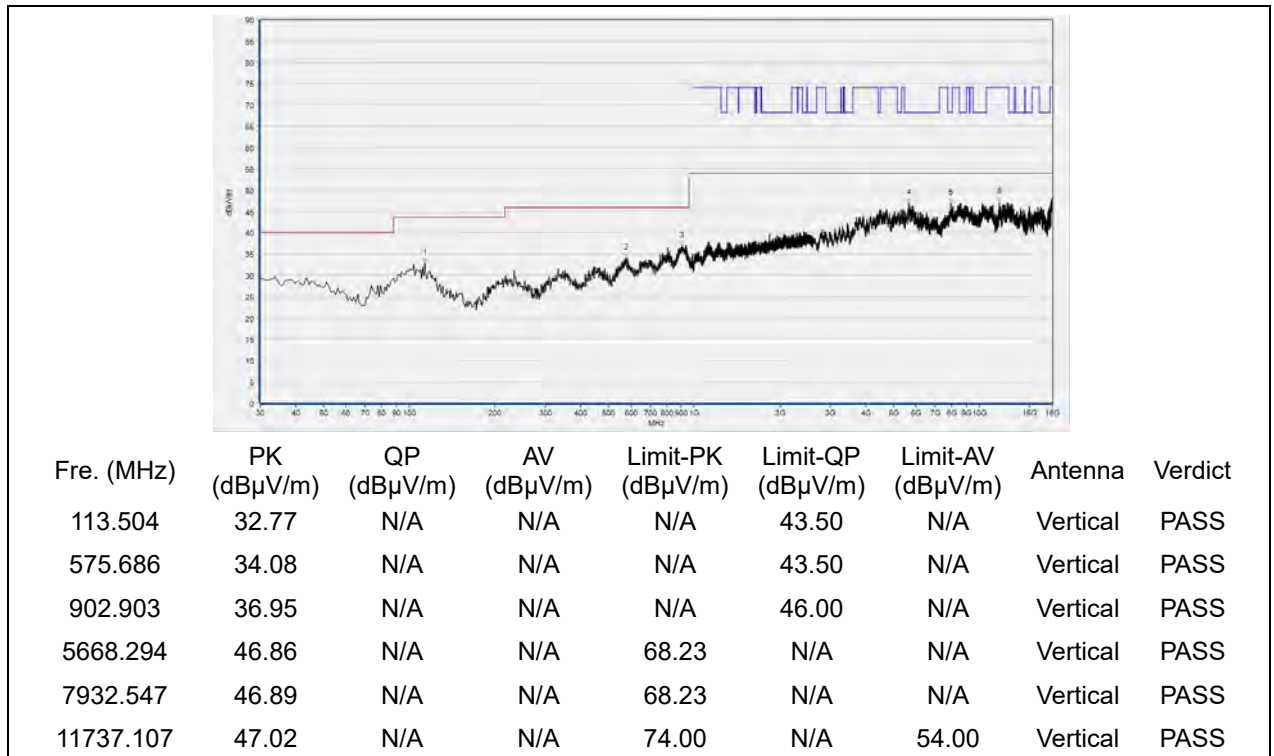


802.11ac (VHT80)Mode

Plot for Channel 42

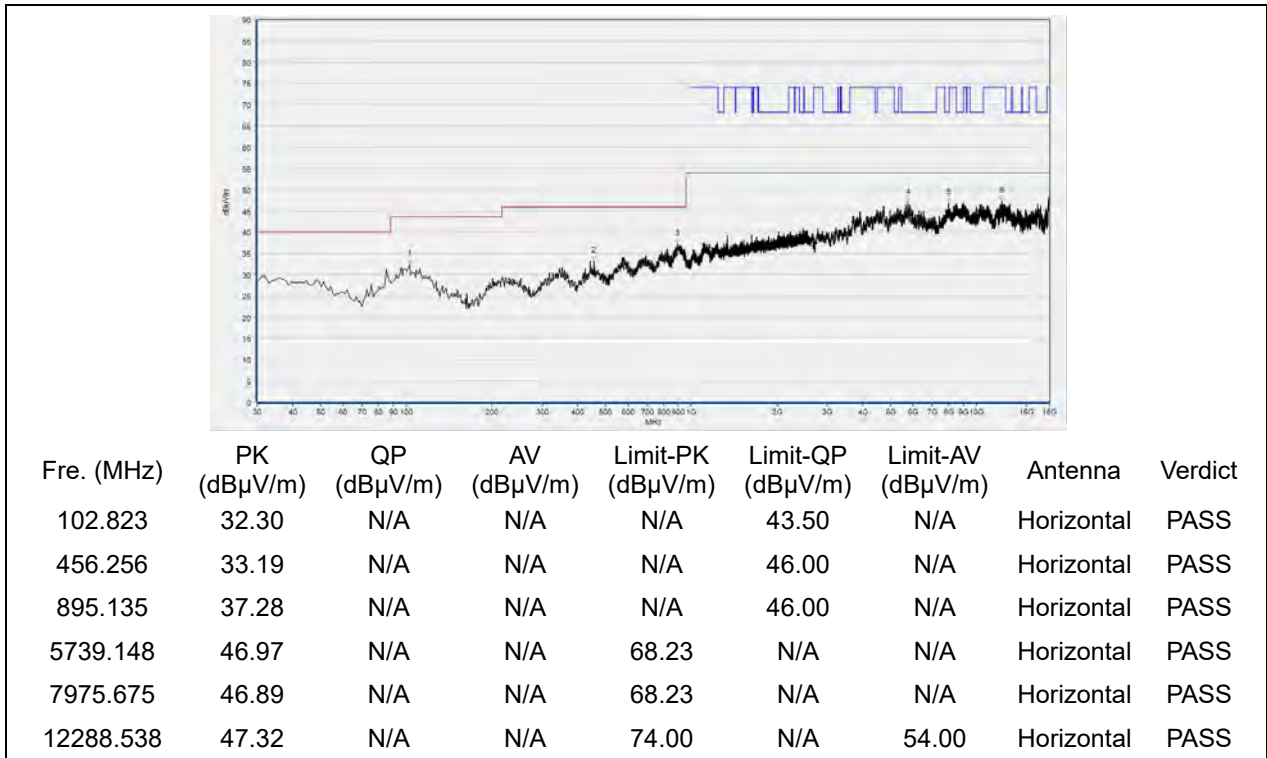


(Antenna Horizontal, 30MHz to 18GHz)

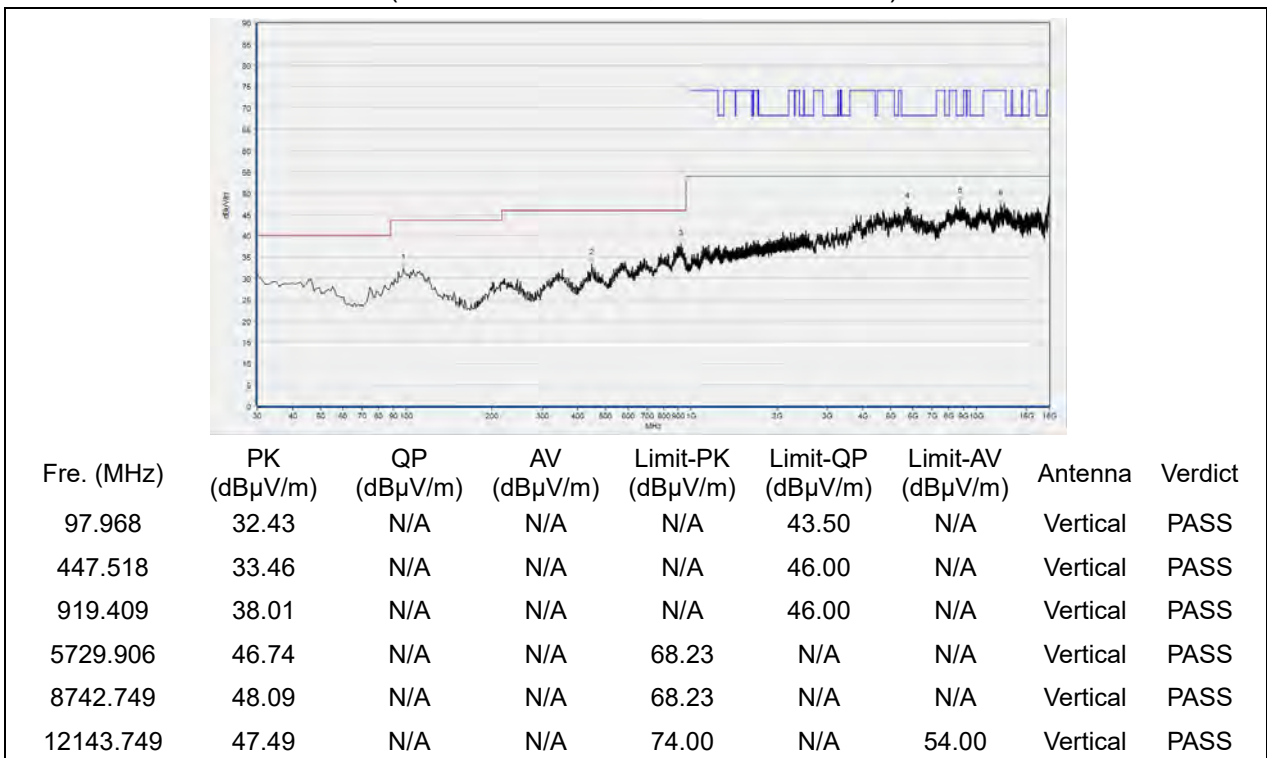


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58

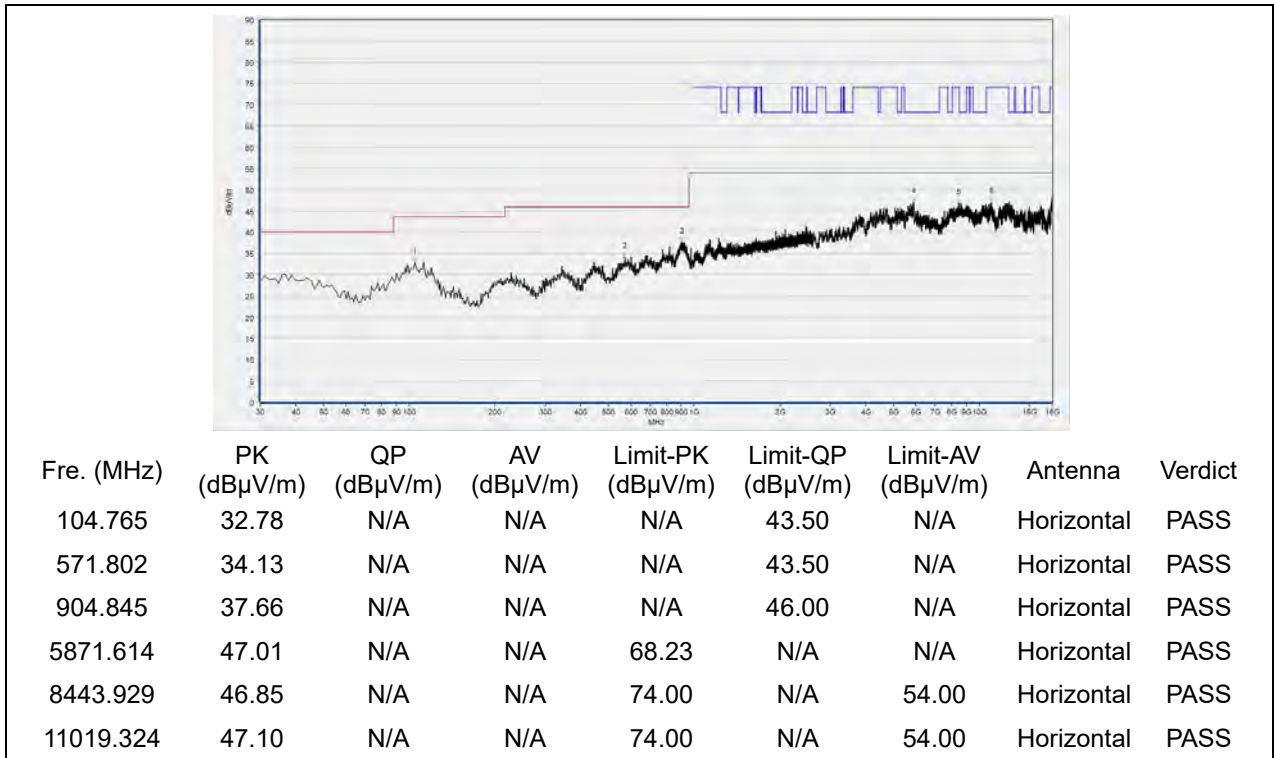


(Antenna Horizontal, 30MHz to 18GHz)

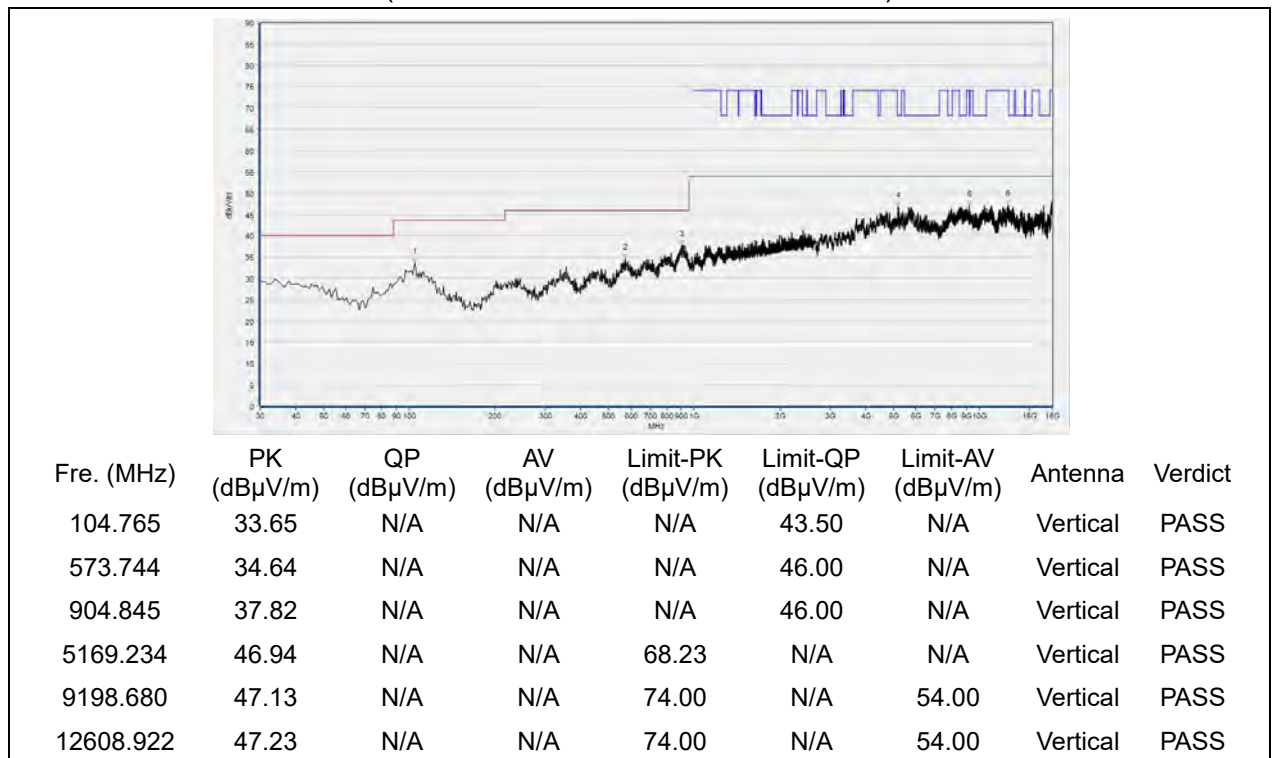


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106

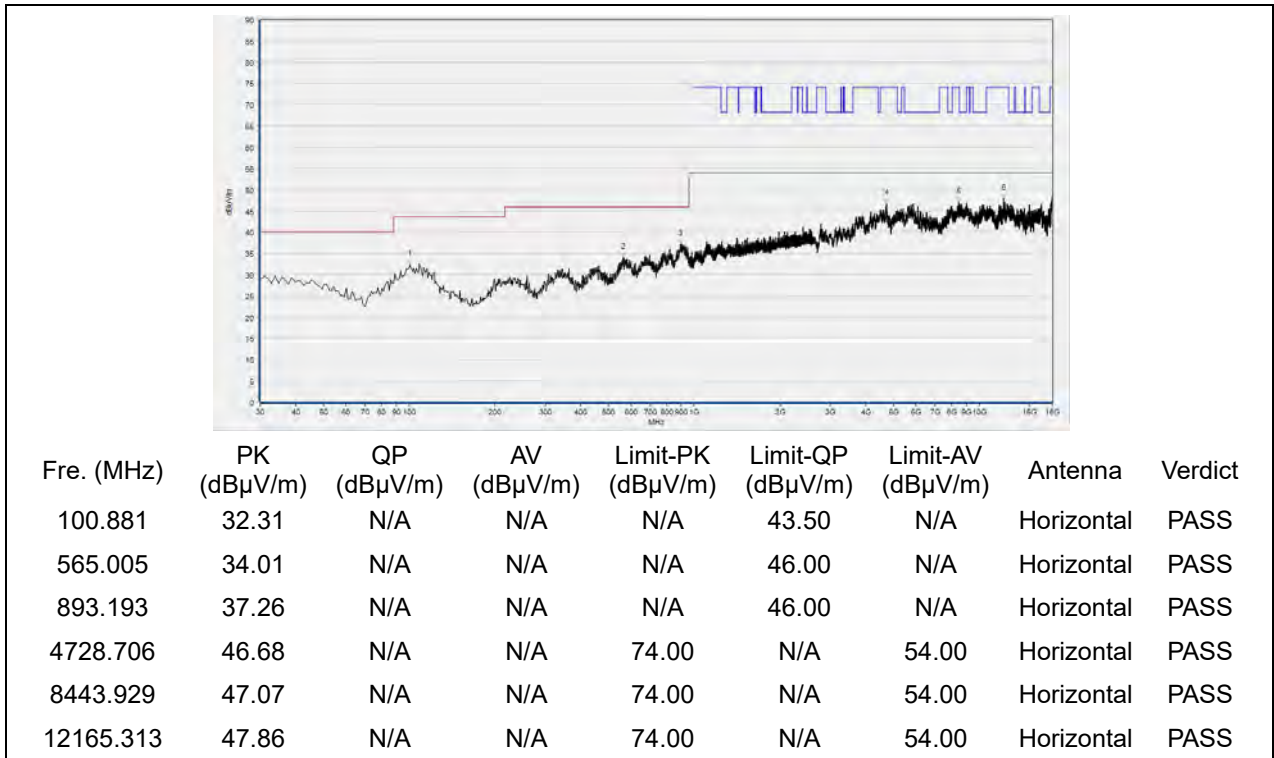


(Antenna Horizontal, 30MHz to 18GHz)

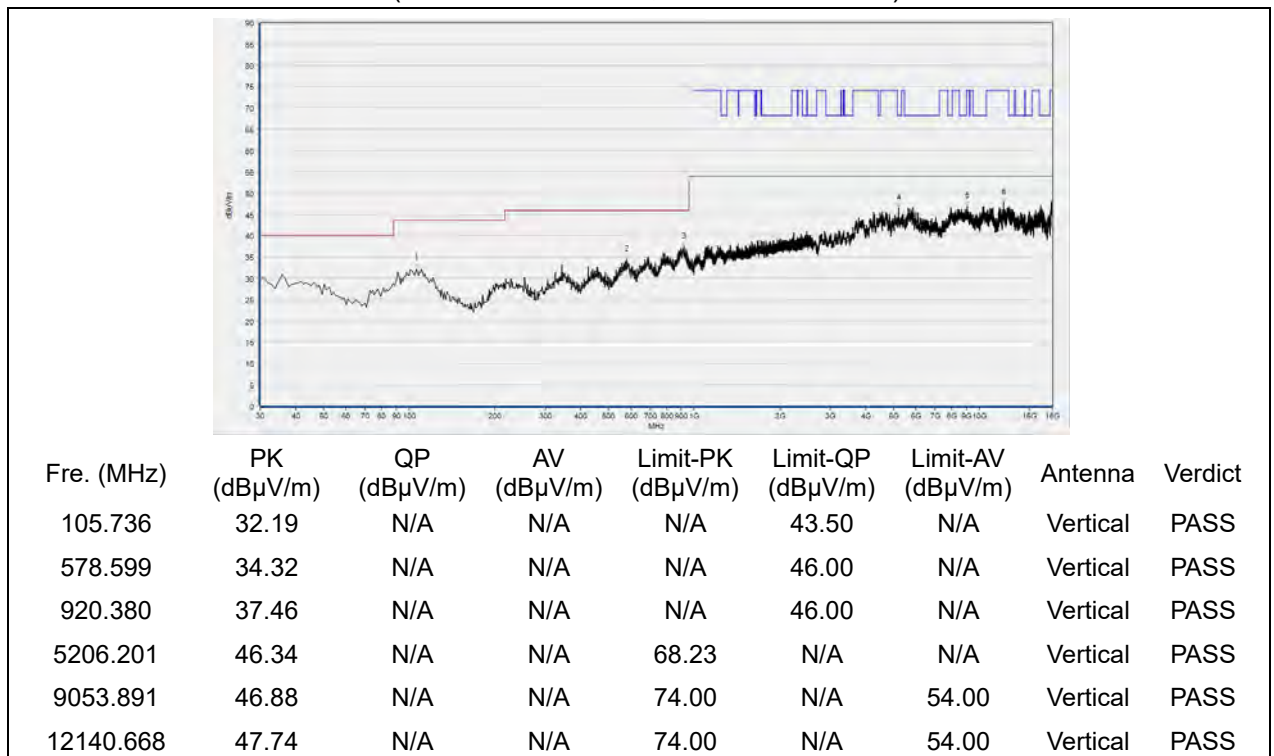


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122

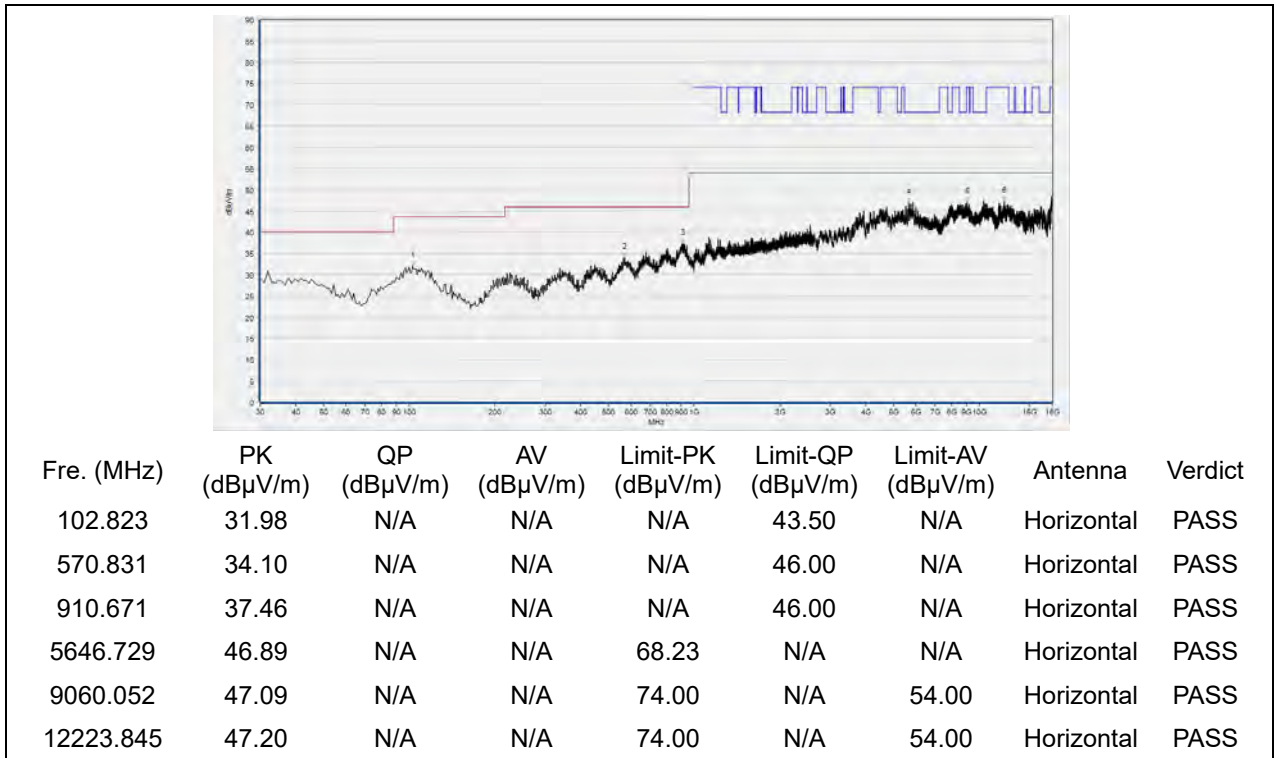


(Antenna Horizontal, 30MHz to 18GHz)

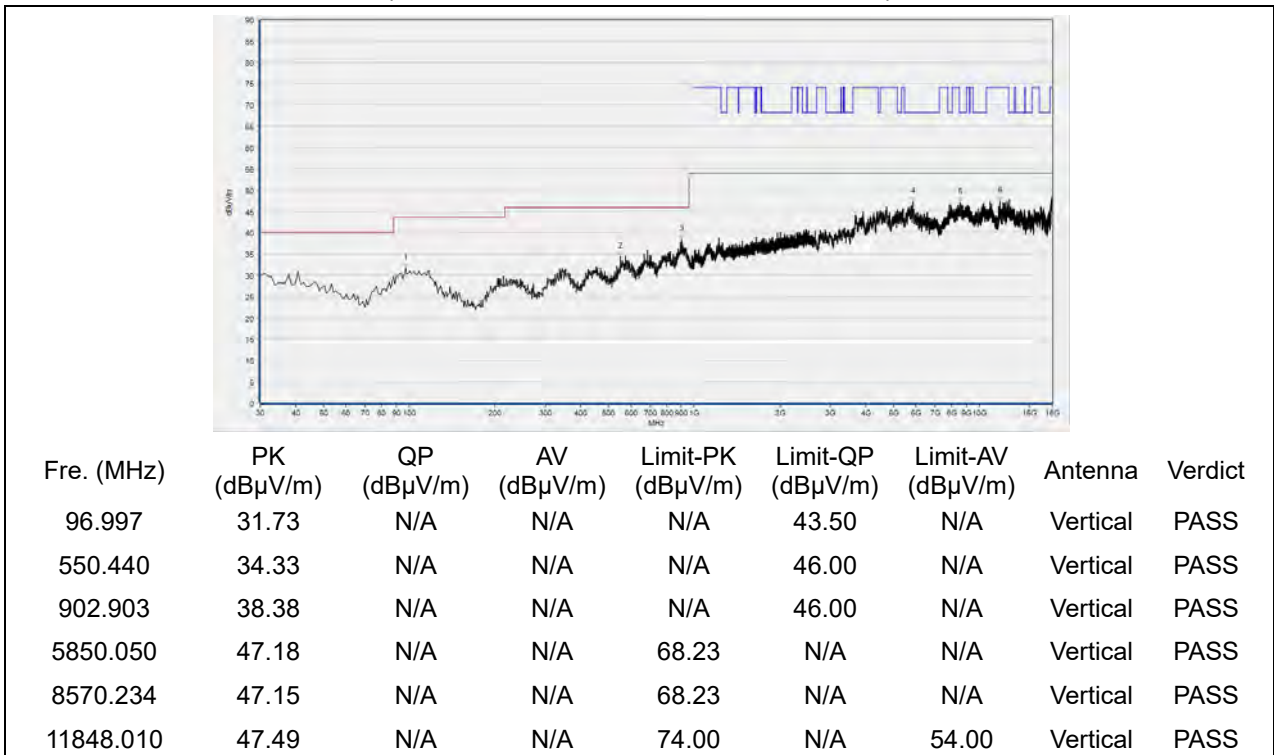


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138

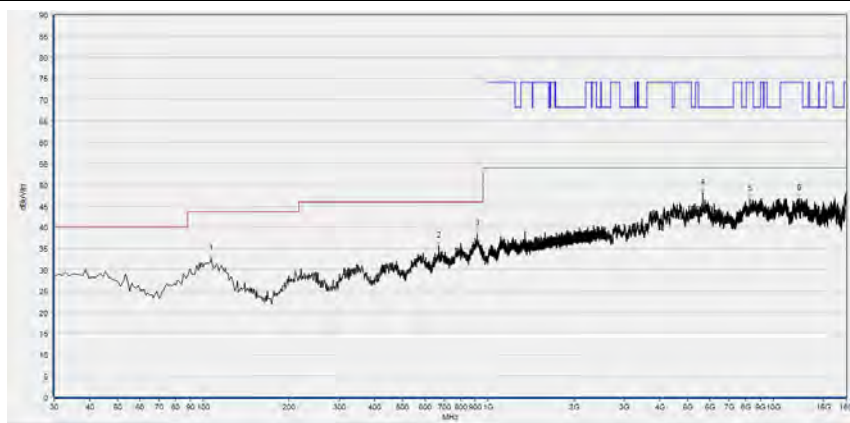


(Antenna Horizontal, 30MHz to 18GHz)



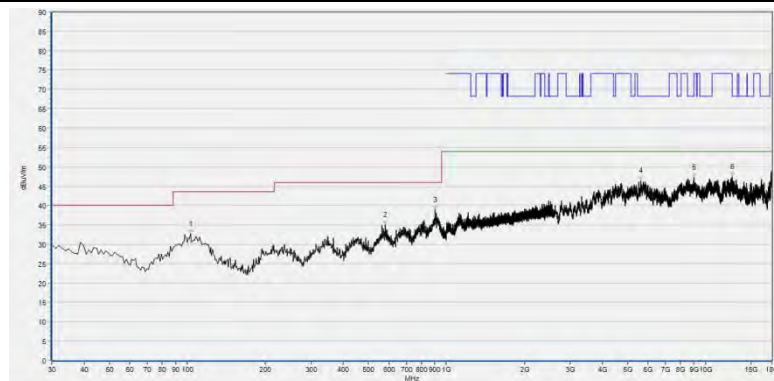
(Antenna Vertical, 30MHz to 18GHz)

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
106.707	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
671.812	35.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	38.36	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8274.495	46.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12297.780	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.512	35.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	38.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5625.165	46.41	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9013.843	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12685.937	47.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

————— END OF REPORT —————