

(AVERAGE, Channel 11, 802.11b)

**802.11g Mode**

**A. Test Verdict:**

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)					
1	2390.00	PK	33.75	6.74	27.20	67.69	74	PASS
1	2388.82	AV	13.77	6.74	27.20	47.71	54	PASS
11	2484.72	PK	36.09	6.74	27.20	70.03	74	PASS
11	2483.66	AV	14.23	6.74	27.20	48.17	54	PASS



B.Test Plot:



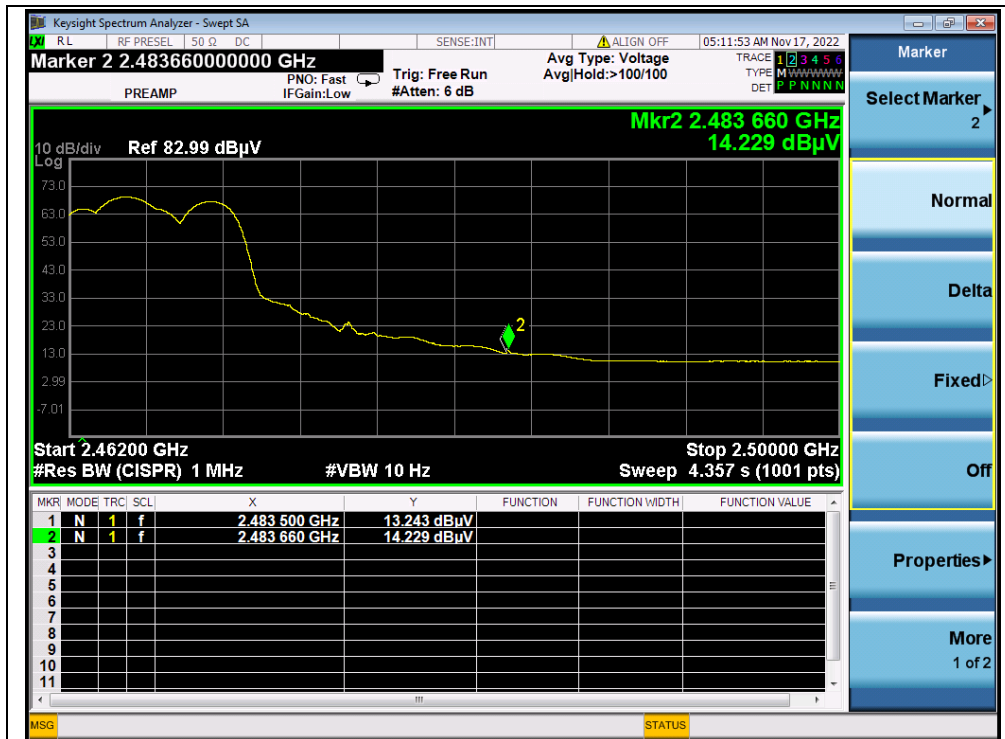
(PEAK, Channel 1, 802.11g)



(AVERAGE, Channel 1, 802.11g)



(PEAK, Channel 11, 802.11g)



(AVERAGE, Channel 11, 802.11g)

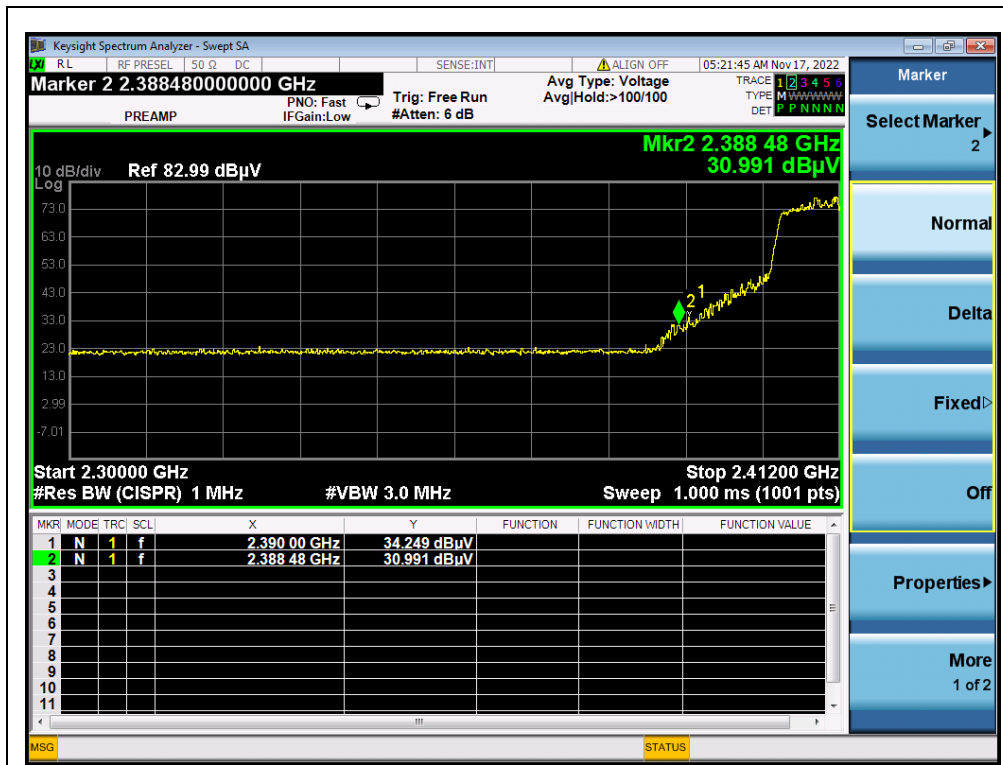


802.11n (HT20) Mode

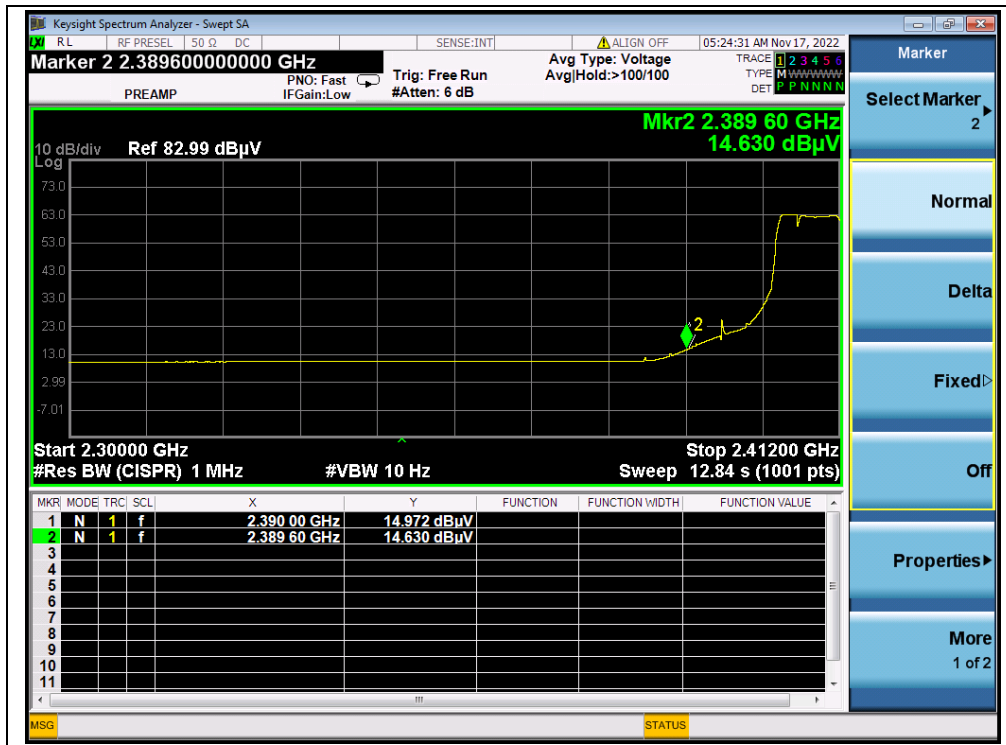
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
1	2390.00	PK	34.25	6.74	27.20	68.19	74	PASS
1	2390.00	AV	14.97	6.74	27.20	48.91	54	PASS
11	2483.51	PK	35.75	6.74	27.20	69.69	74	PASS
11	2483.70	AV	14.17	6.74	27.20	48.11	54	PASS

B. Test Plot:



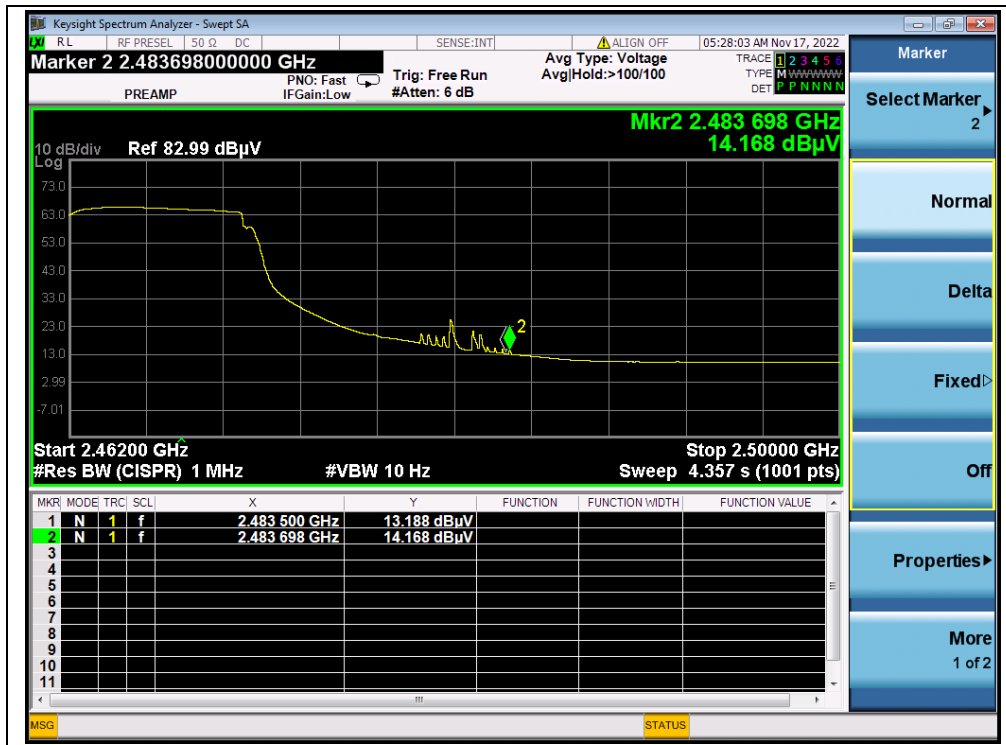
(PEAK, Channel 1, 802.11n (HT20))



(AVERAGE, Channel 1, 802.11n (HT20))



(PEAK, Channel 11, 802.11n (HT20))



(AVERAGE, Channel 11, 802.11n (HT20))

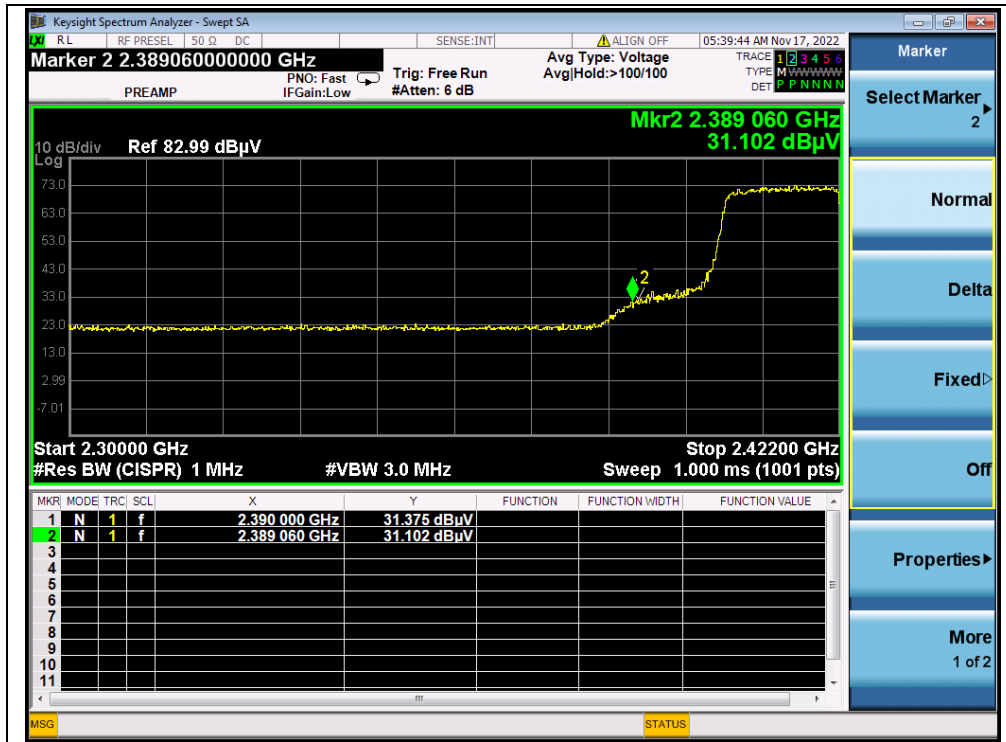


802.11n (HT40) Mode

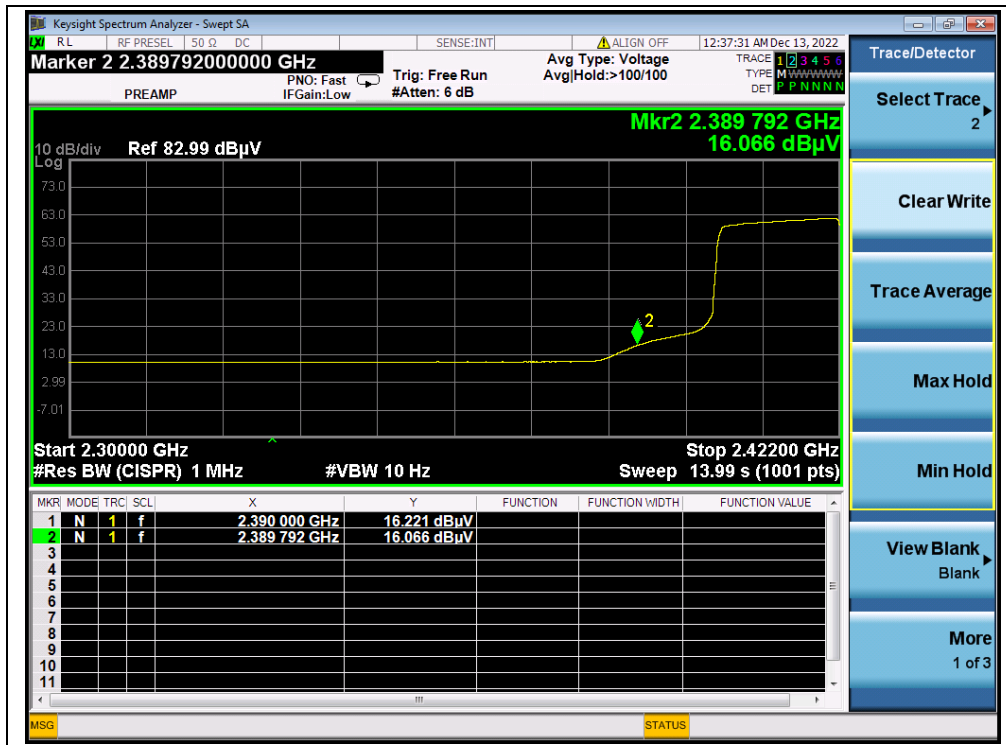
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
3	2390.00	PK	31.38	6.74	27.20	65.32	74	PASS
3	2390.00	AV	15.53	6.74	27.20	49.47	54	PASS
9	2484.20	PK	31.68	6.74	27.20	65.62	74	PASS
9	2483.50	AV	16.94	6.74	27.20	50.88	54	PASS

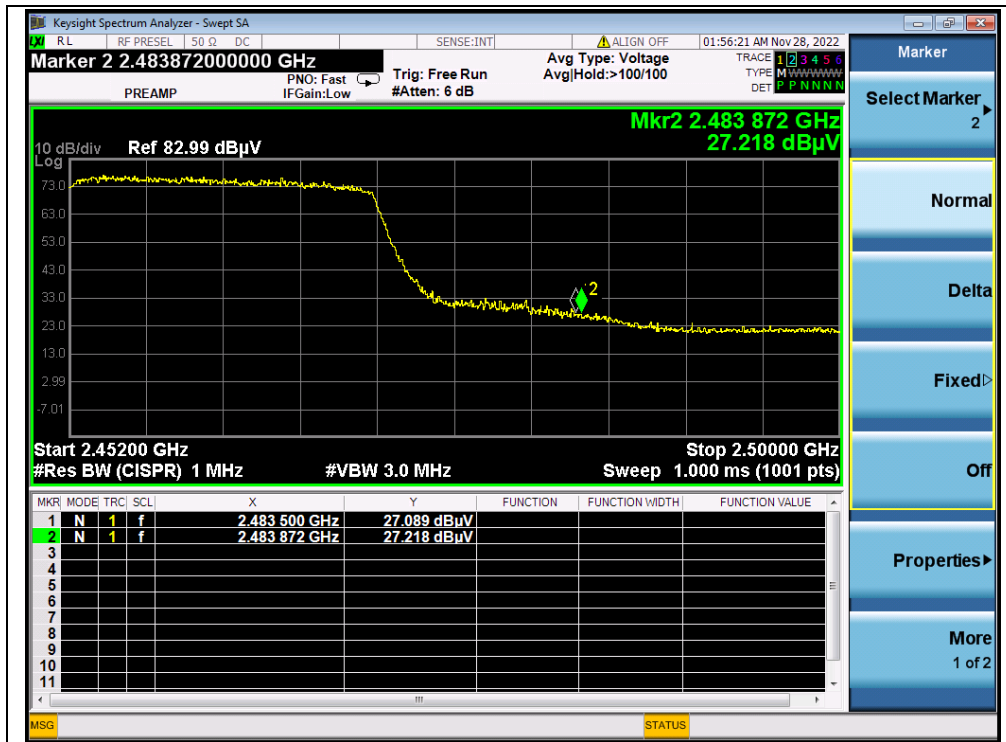
B. Test Plot:



(PEAK, Channel 3, 802.11n (HT40))

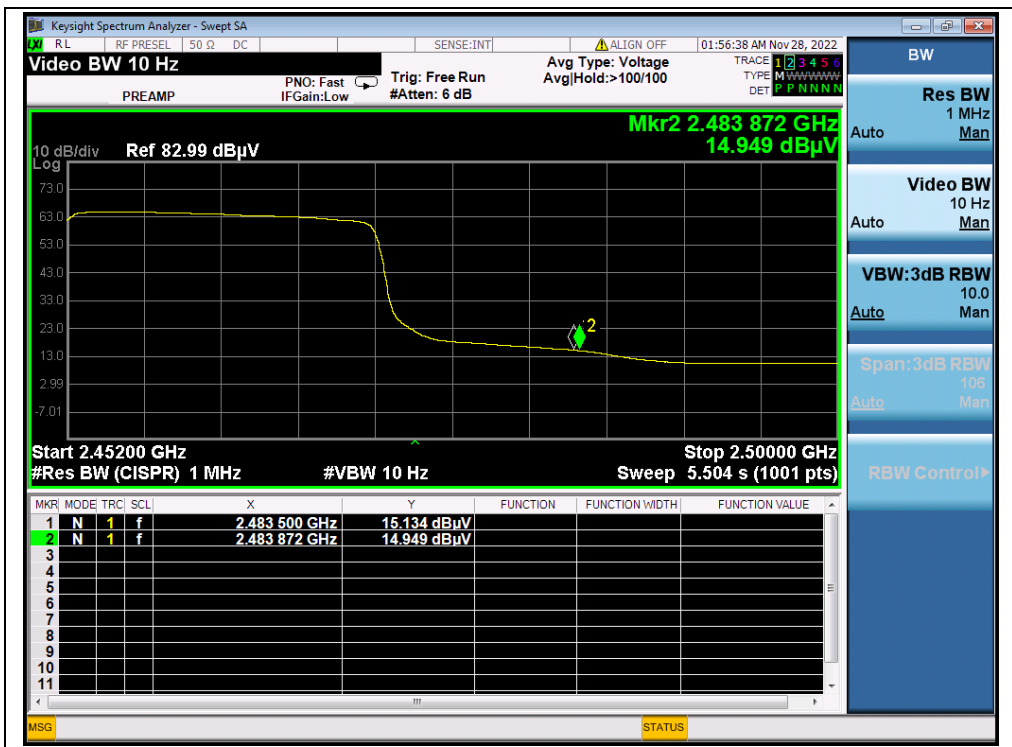


(AVERAGE, Channel 3, 802.11n (HT40))



(PEAK, Channel 9, 802.11n (HT40))





(AVERAGE, Channel 9, 802.11n (HT40))

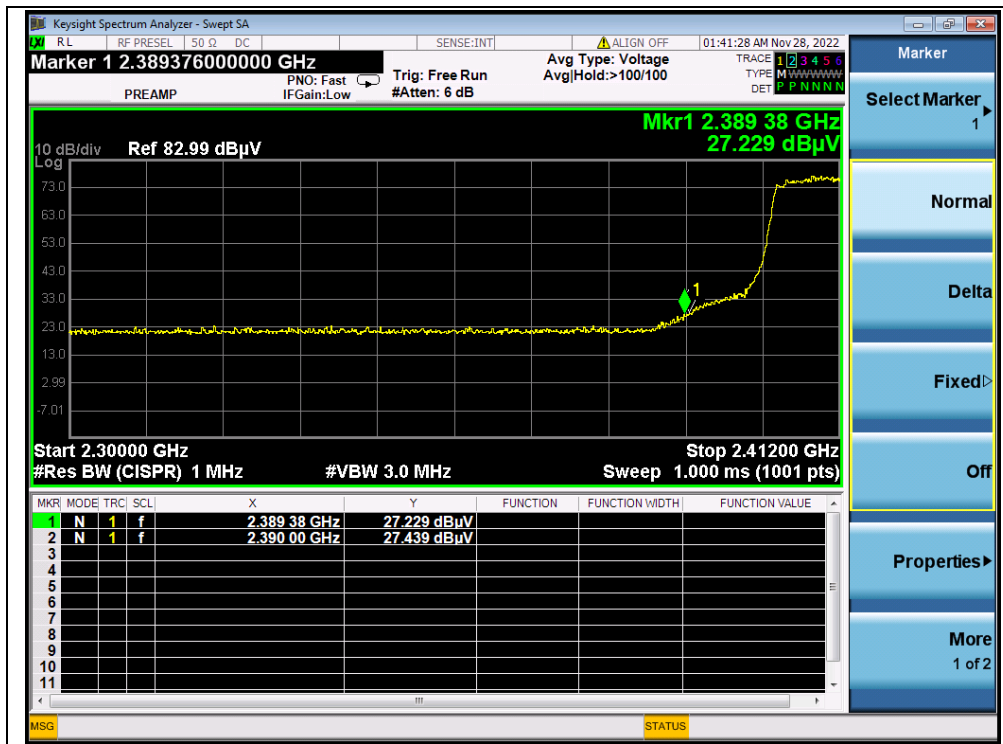


802.11ax (HEW20) Mode

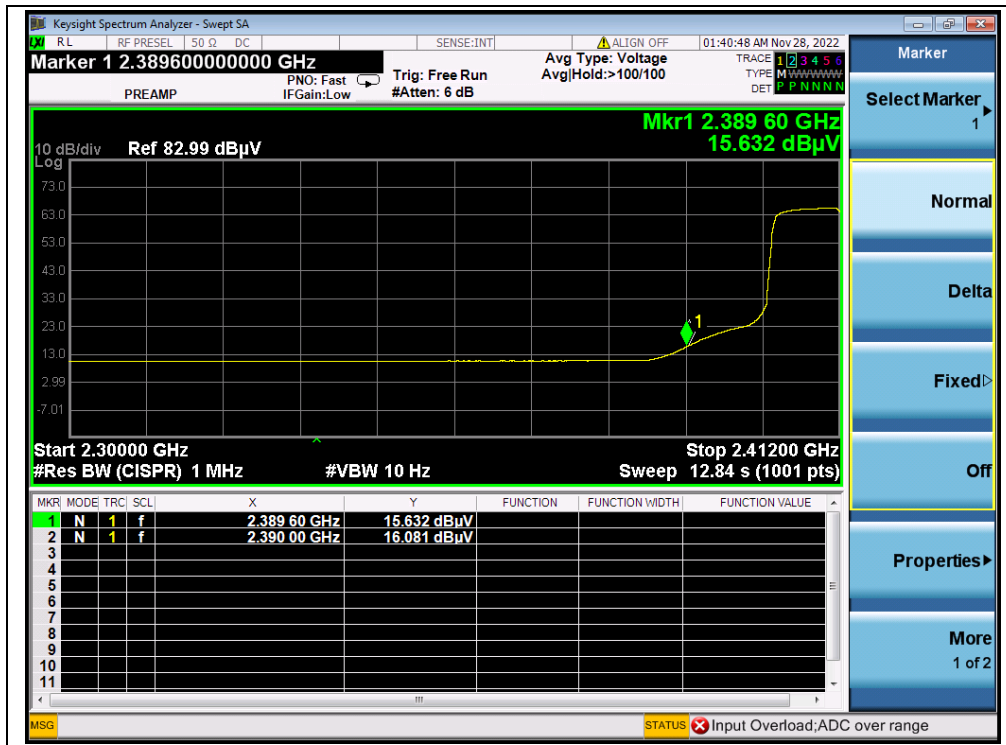
A.Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
1	2390.00	PK	27.44	6.74	27.20	61.38	74	PASS
1	2390.00	AV	16.08	6.74	27.20	50.02	54	PASS
11	2483.50	PK	26.10	6.74	27.20	60.04	74	PASS
11	2483.50	AV	13.29	6.74	27.20	47.23	54	PASS

B.Test Plot:



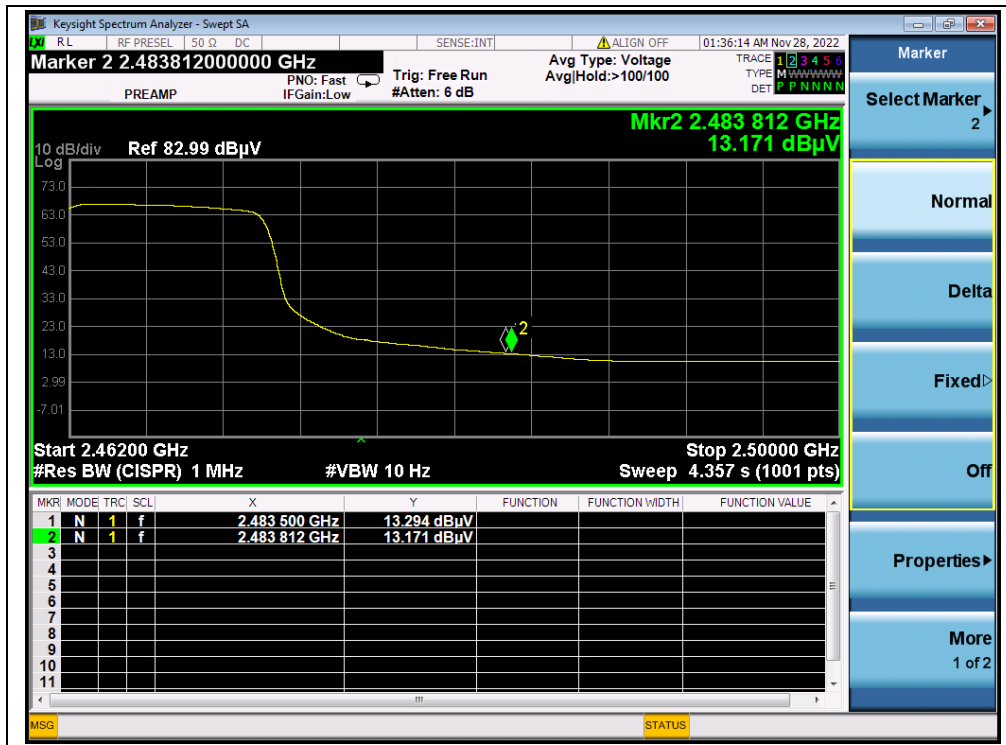
(PEAK, Channel 1, 802.11ax (HEW20))



(AVERAGE, Channel 1, 802.11ax (HEW20))



(PEAK, Channel 11, 802.11ax (HEW20))



(AVERAGE, Channel 11, 802.11ax (HEW20))

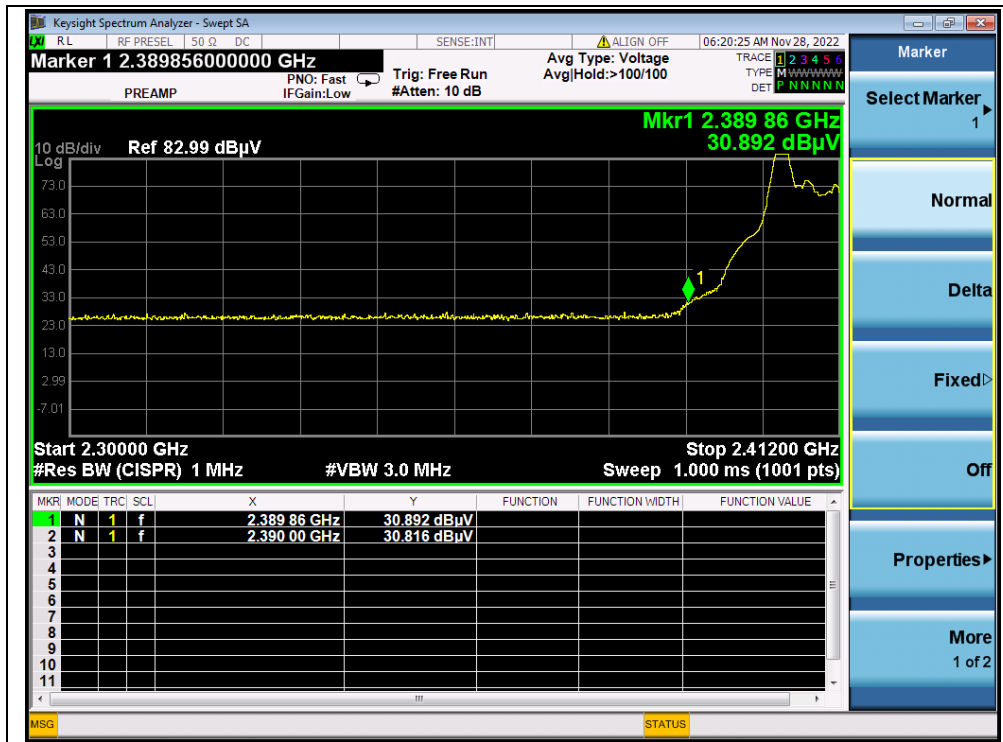


802.11ax (HEW20) RU26 Mode

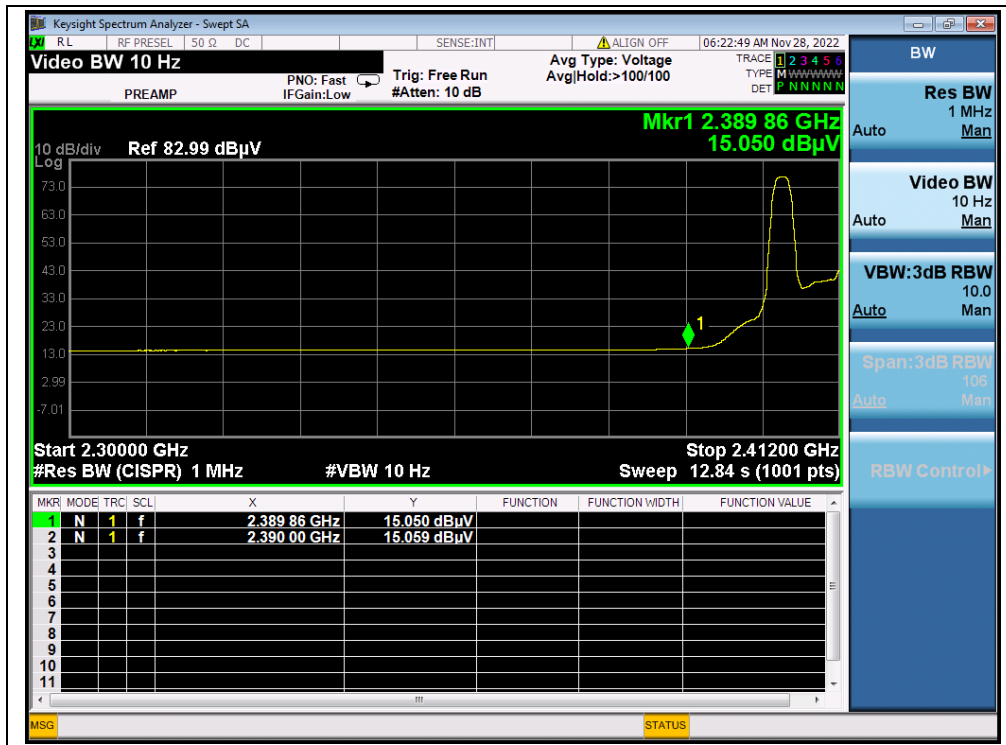
A.Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
1	2389.86	PK	30.89	6.74	27.20	64.83	74	PASS
1	2390.00	AV	15.06	6.74	27.20	49.00	54	PASS
11	2483.50	PK	35.08	6.74	27.20	69.02	74	PASS
11	2483.50	AV	14.63	6.74	27.20	48.57	54	PASS

B.Test Plot:



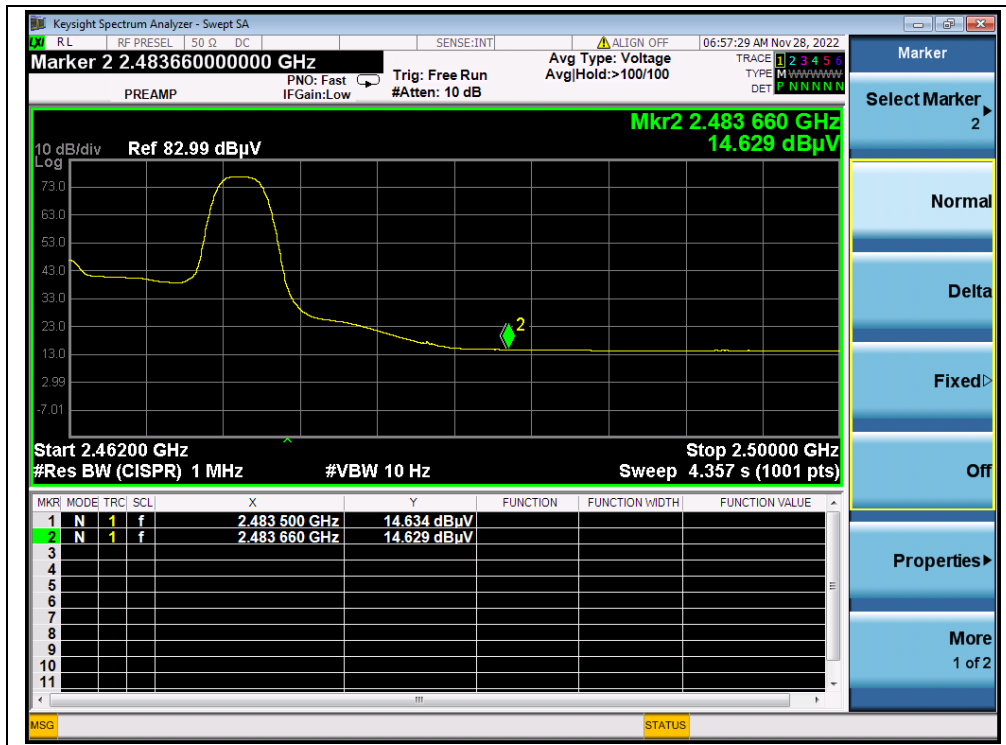
(PEAK, Channel 1, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 1, 802.11ax (HEW20) RU26)



(PEAK, Channel 11, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 11, 802.11ax (HEW20) RU26)



## 2.9. Radiated Emission

### 2.9.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

**Note1:** For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

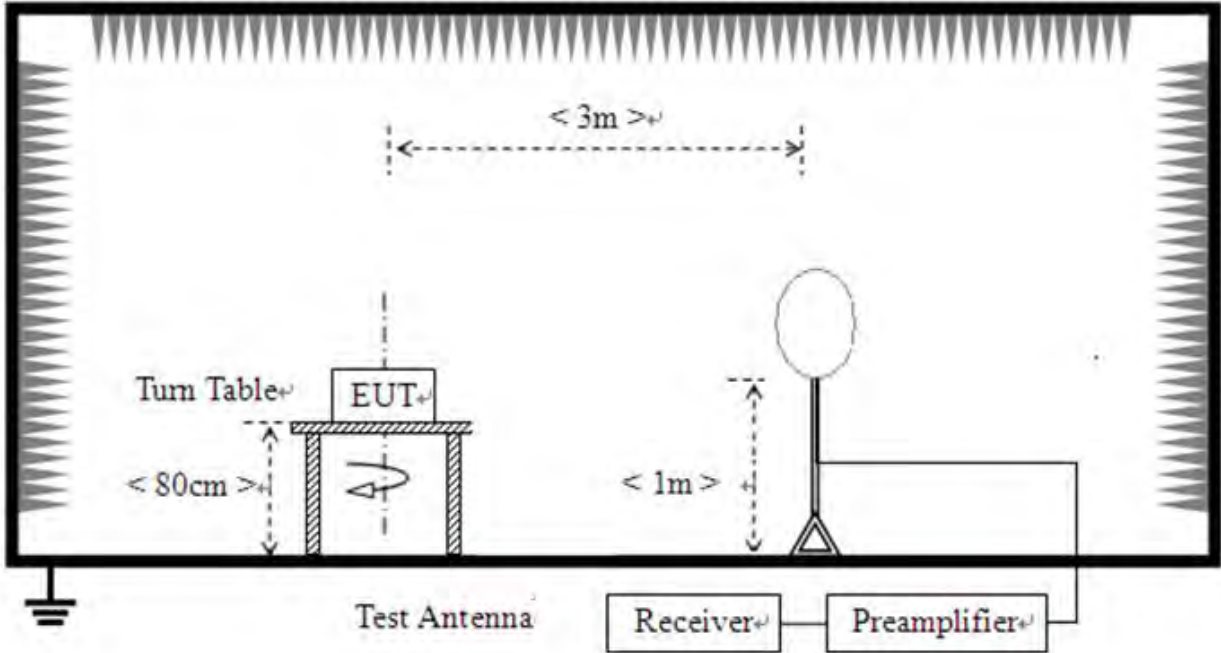
**Note2:** For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK). In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).



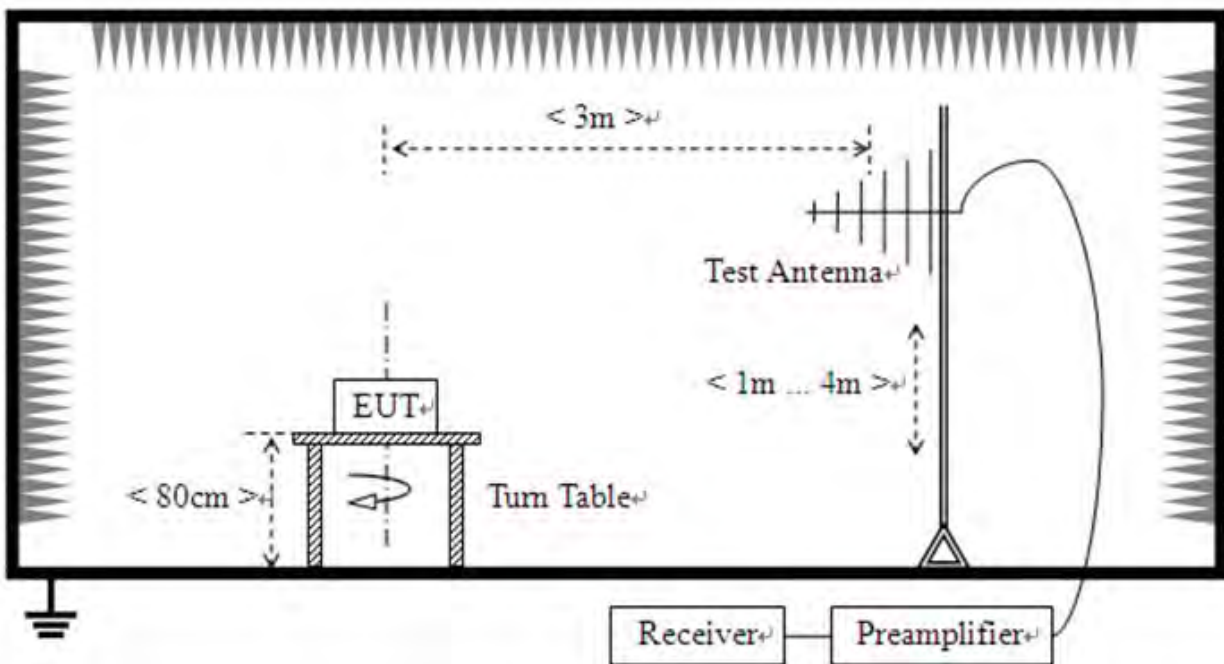
**2.9.2. Test Description**

**Test Setup:**

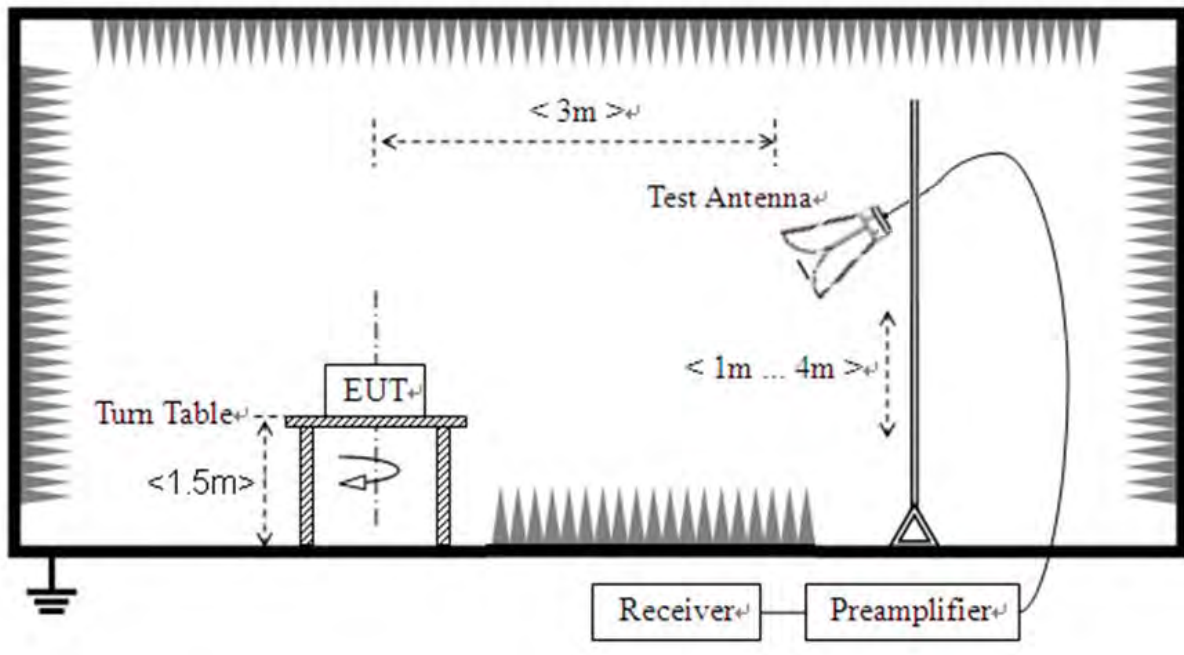
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



## 3) For radiated emissions above 1GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.



### 2.9.3. Test Result

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

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  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.

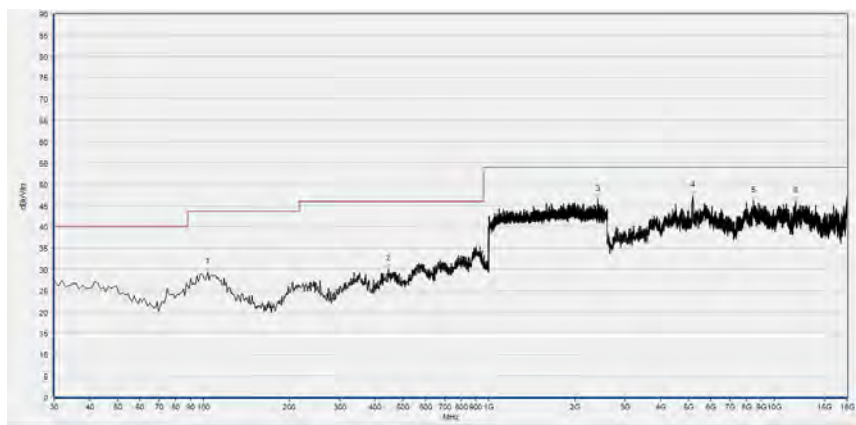
**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**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.

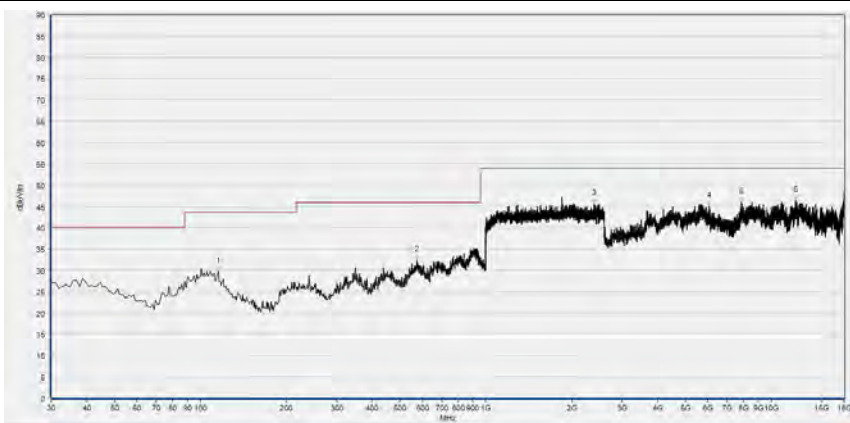
**Antenna Type A, 802.11b Mode**

**Plot for Channel 1**



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	29.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
444.190	30.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2406.400	46.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5181.040	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8461.240	46.14	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11886.200	45.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

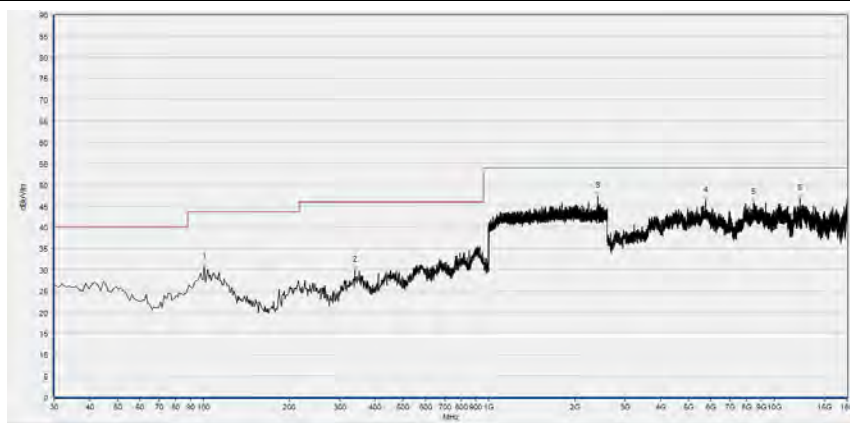
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
115.360	29.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
575.140	32.27	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2389.333	45.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6065.000	45.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7869.880	45.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12132.600	46.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

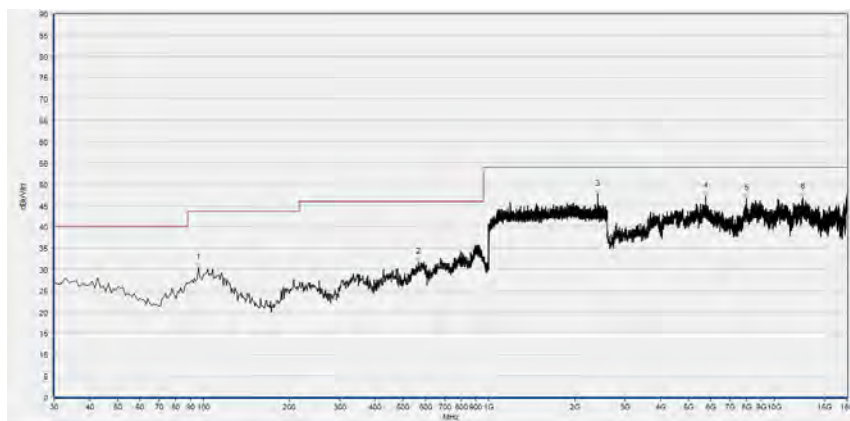
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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
100.810	30.64	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
339.430	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2414.400	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5747.760	46.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8464.320	45.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12311.240	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

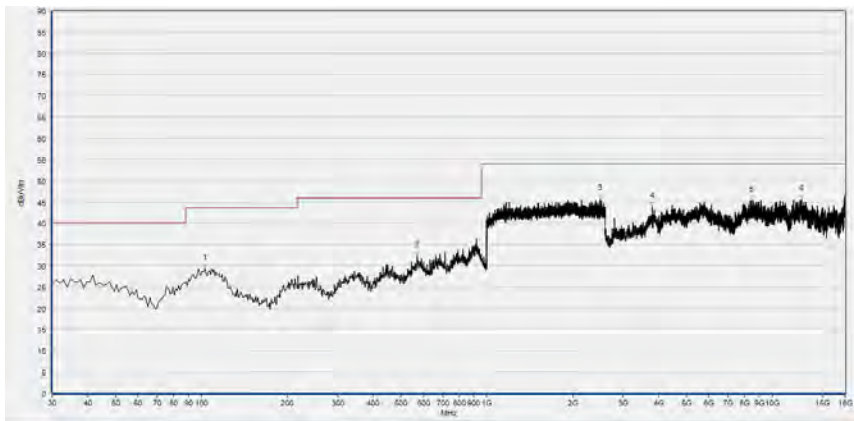
(Antenna Horizontal, 30MHz to 18GHz)



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
95.960	30.39	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
567.380	31.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2410.667	47.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5750.840	47.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7990.000	46.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12600.760	46.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

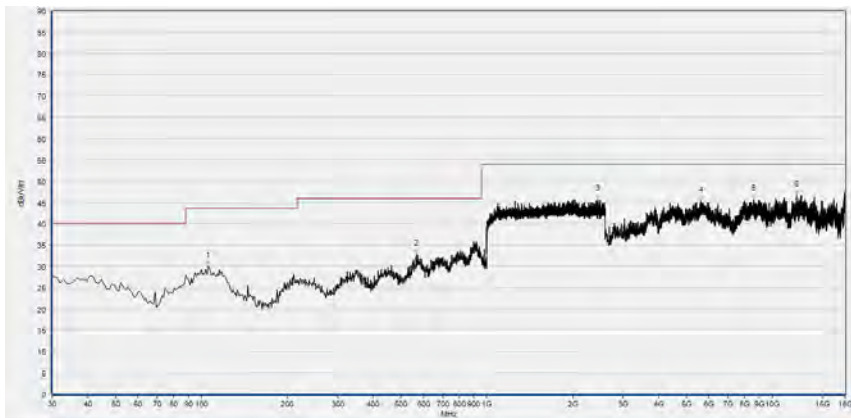
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	29.38	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
570.290	32.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2494.400	45.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3807.360	43.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8436.600	45.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12696.240	45.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

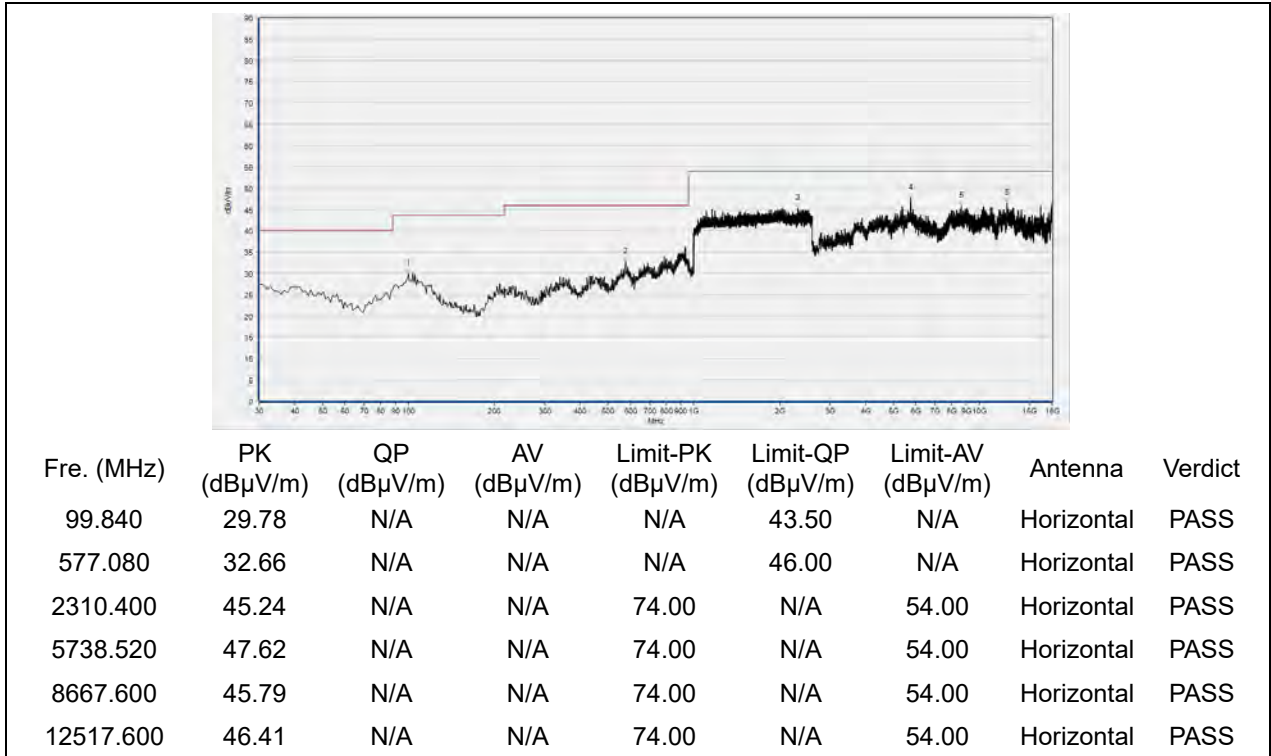


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	30.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
567.380	32.79	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2454.400	45.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5624.560	45.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8609.080	45.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12188.040	46.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

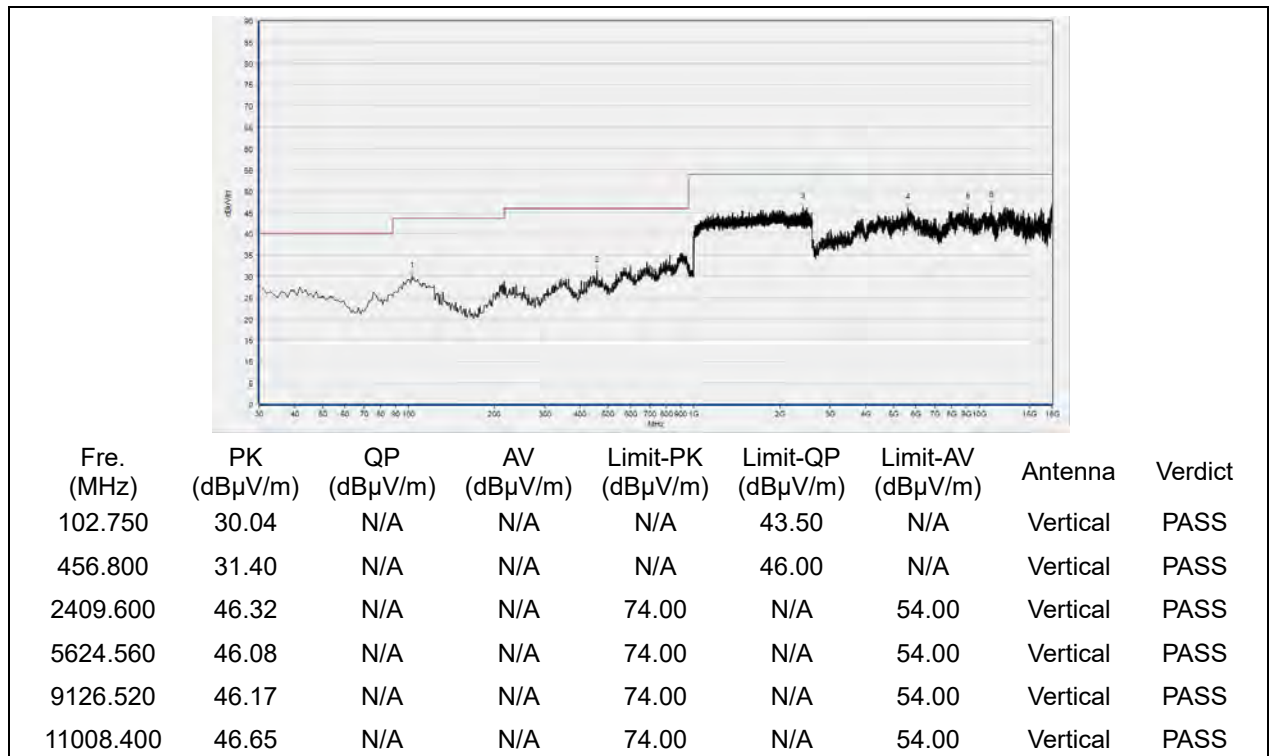
(Antenna Vertical, 30MHz to 18GHz)

**802.11g Mode**

**Plot for Channel 1**

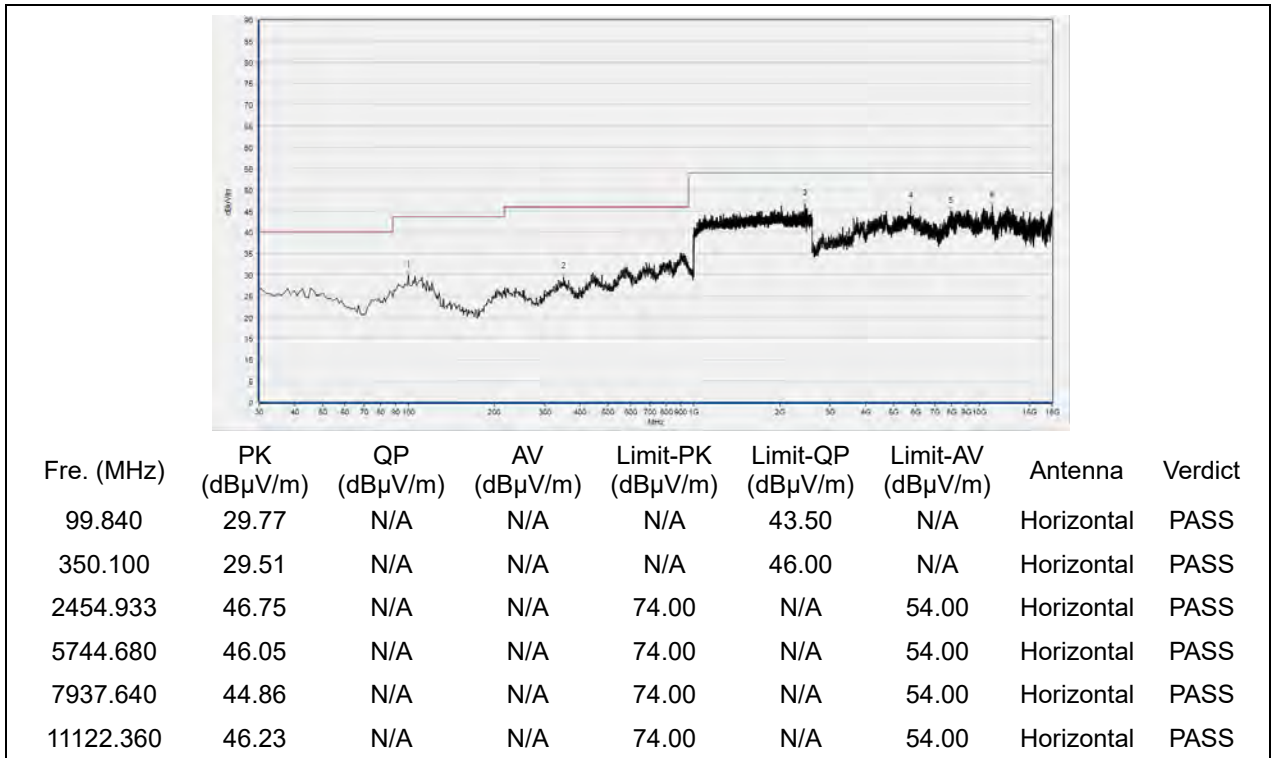


(Antenna Horizontal, 30MHz to 18GHz)

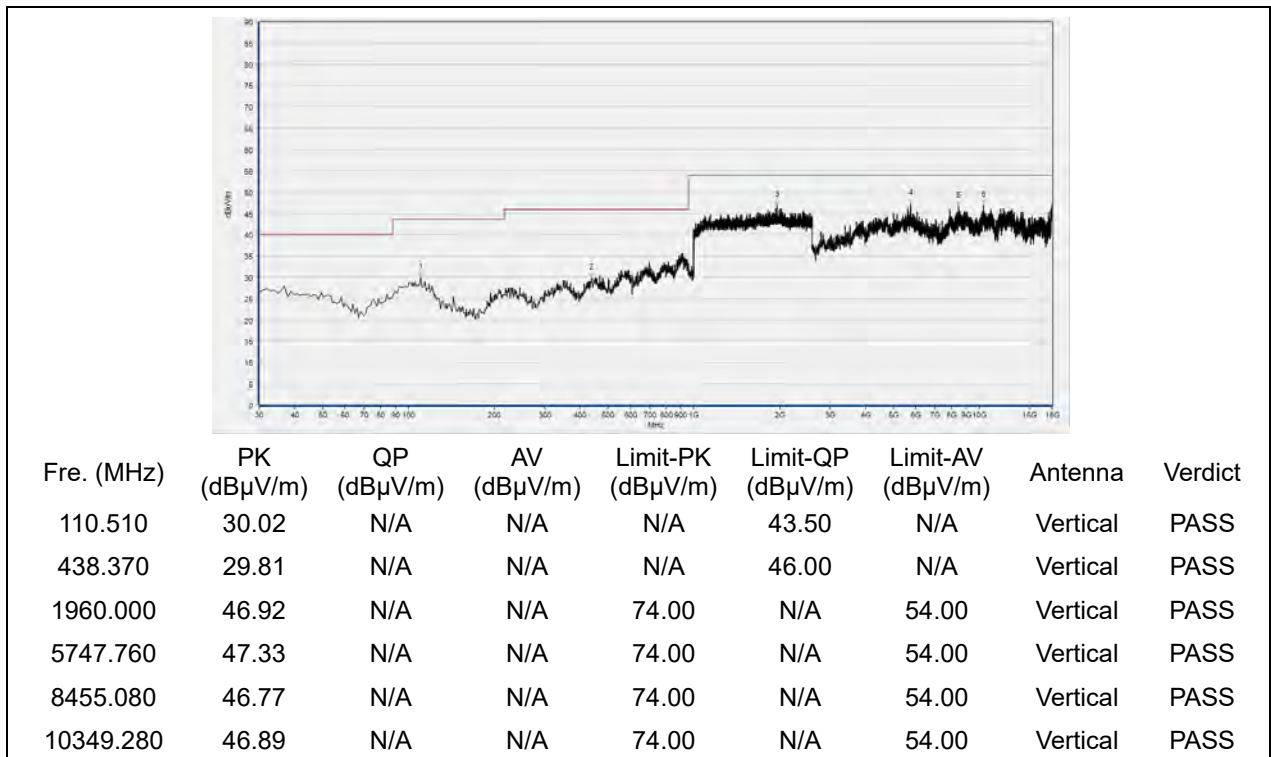


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



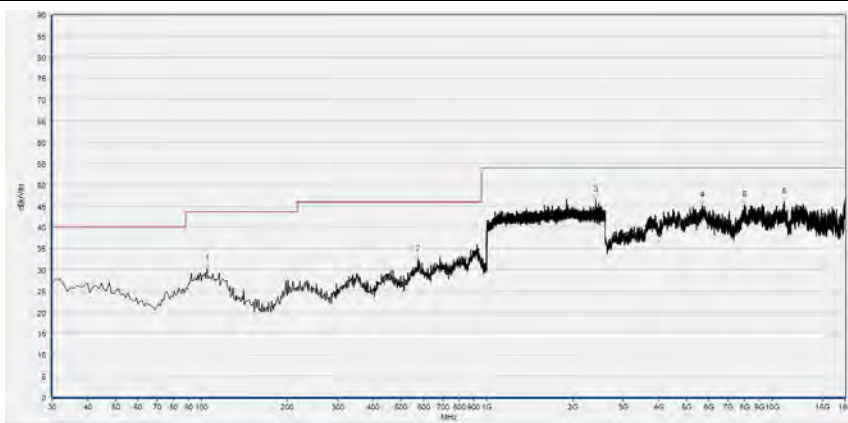
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

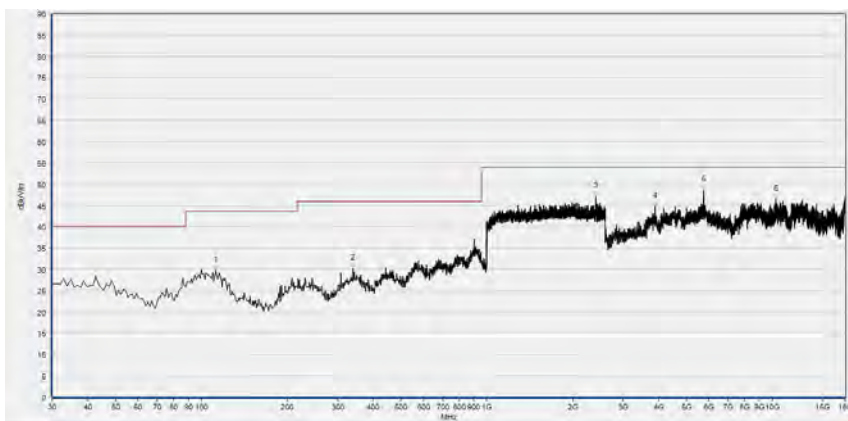


Plot for Channel 11



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	30.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.200	32.33	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2415.467	46.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5673.840	45.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7974.600	45.27	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11042.280	45.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

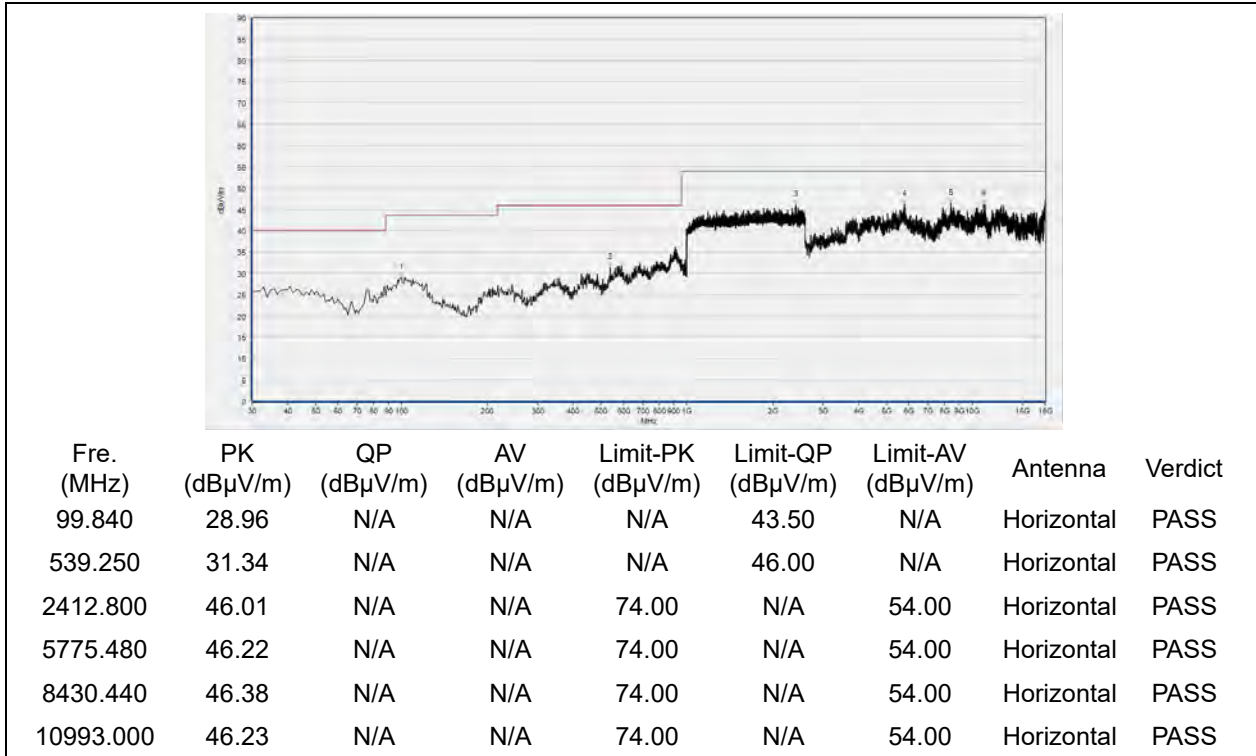


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	29.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
340.400	30.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2404.800	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3878.200	44.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5750.840	48.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10296.920	46.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

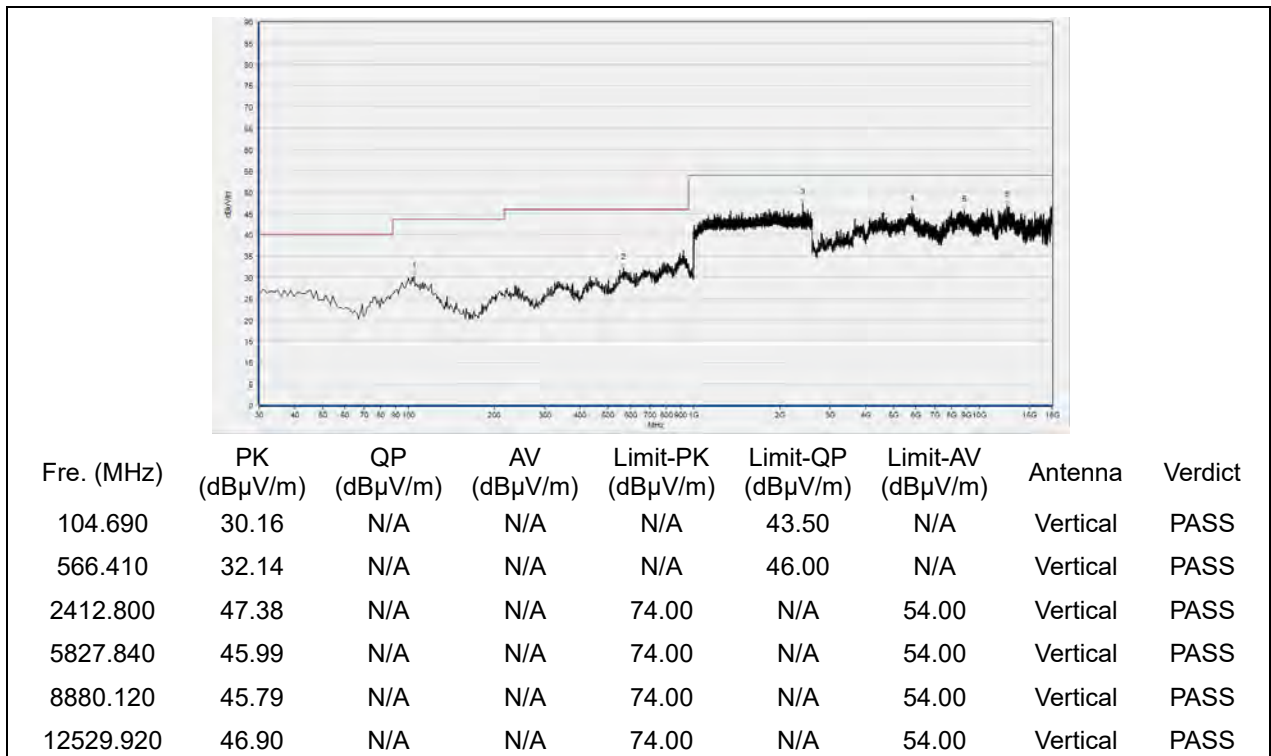
(Antenna Vertical, 30MHz to 18GHz)

**802.11n (HT20) Mode**

**Plot for Channel 1**

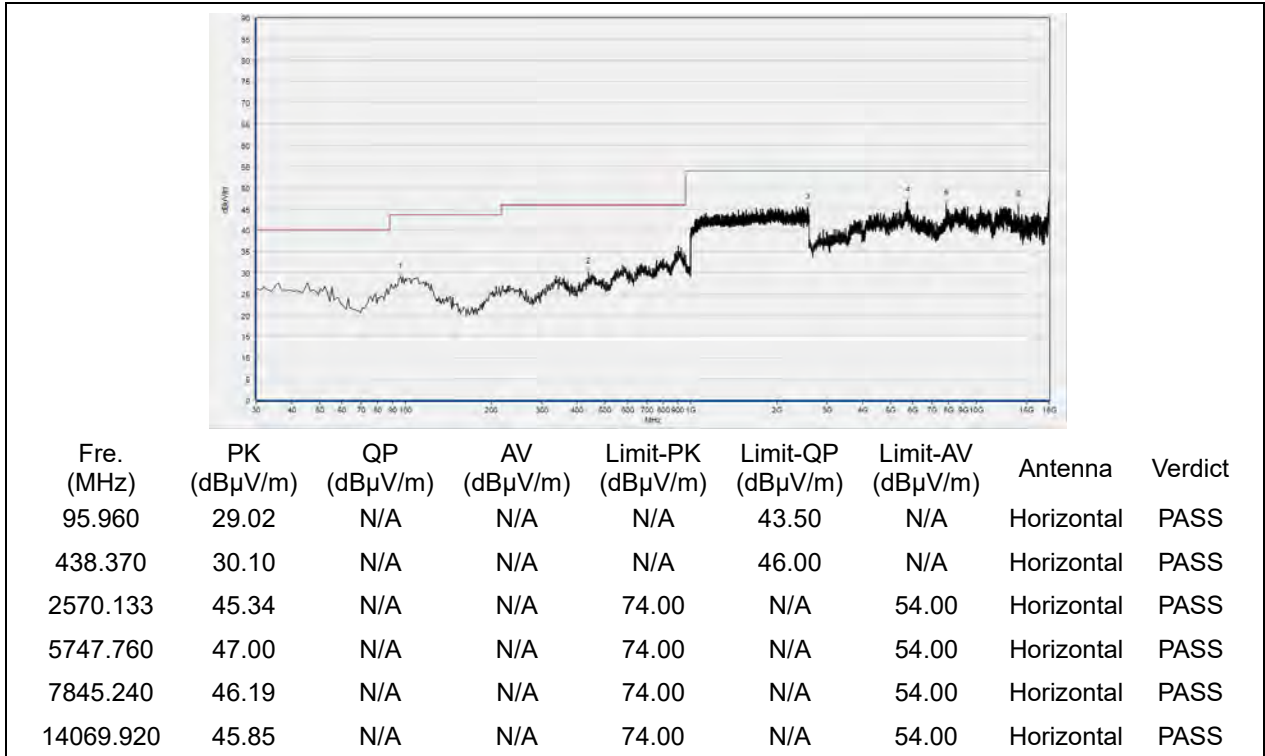


(Antenna Horizontal, 30MHz to 18GHz)

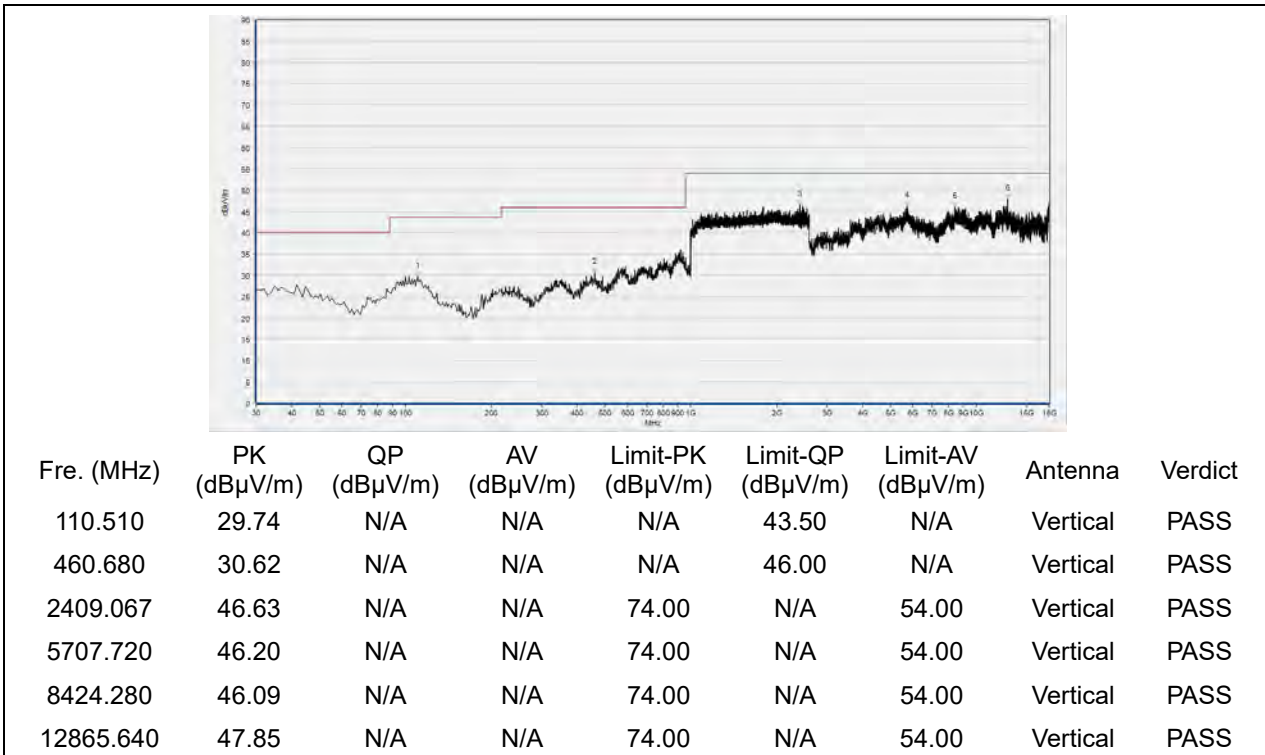


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6

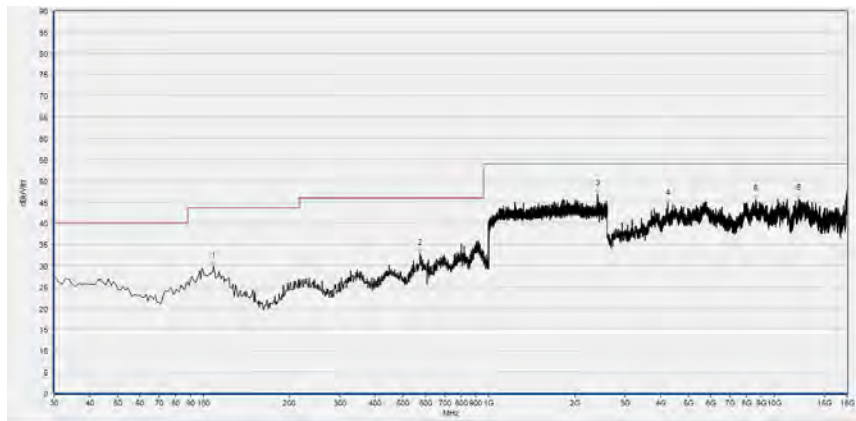


(Antenna Horizontal, 30MHz to 18GHz)



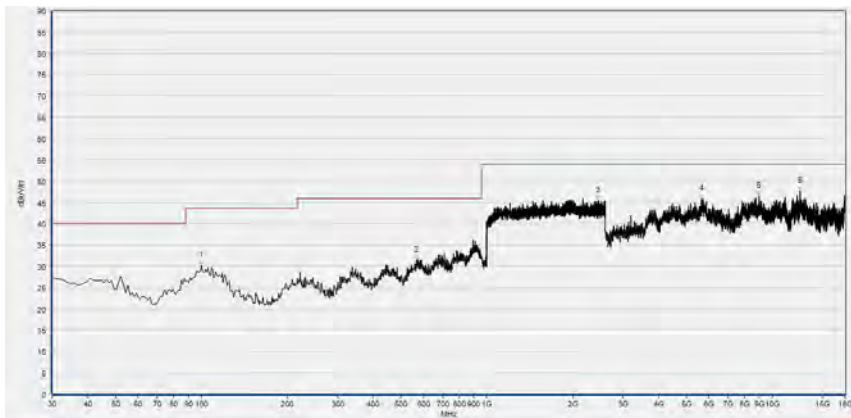
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	29.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.170	32.91	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2402.133	46.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4232.400	44.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8615.240	45.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12184.960	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



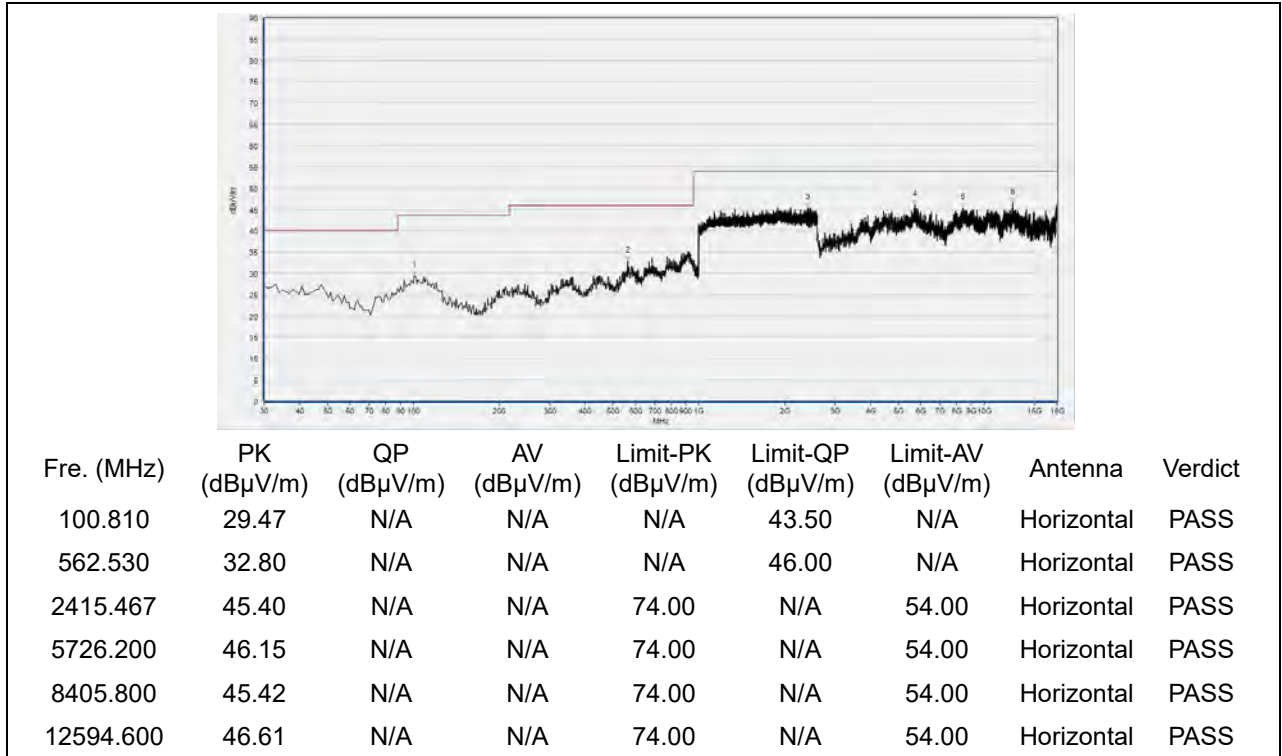
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.840	30.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
566.410	31.30	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2453.867	45.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5646.120	45.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8987.920	46.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12489.880	47.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

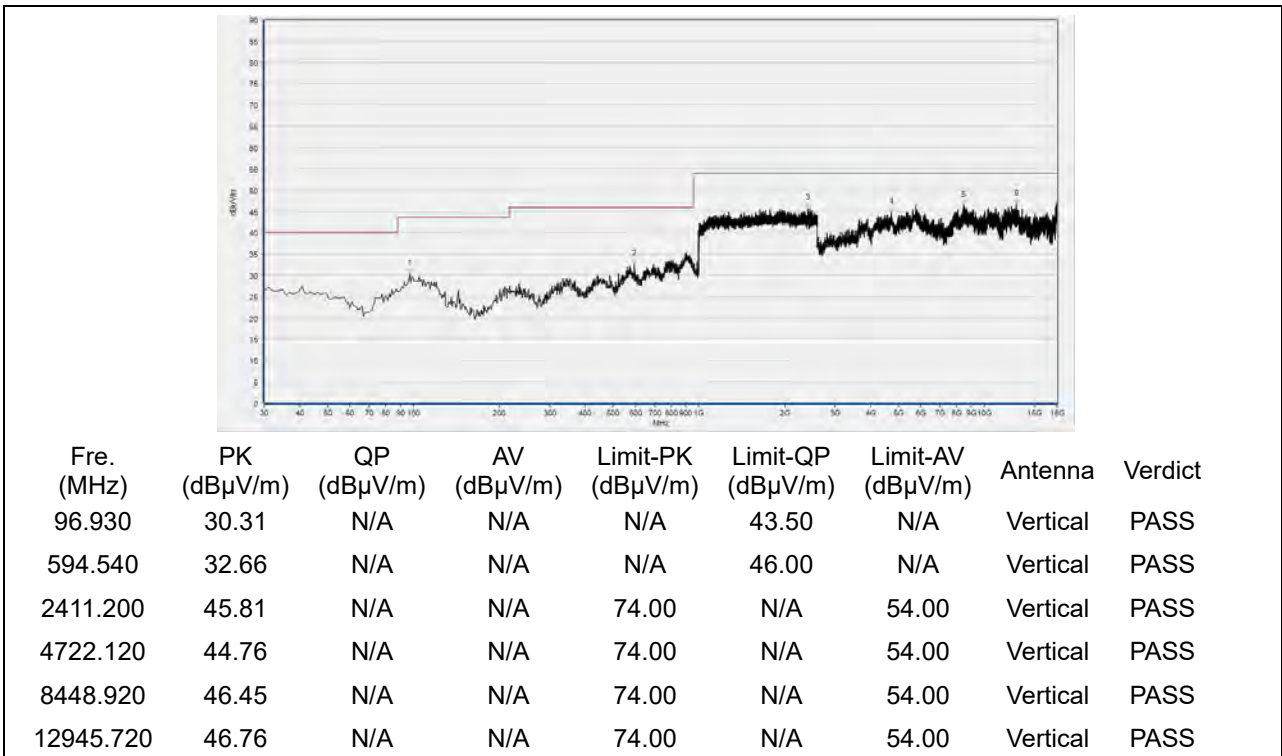


**802.11n (HT40) Mode**

Plot for Channel 3

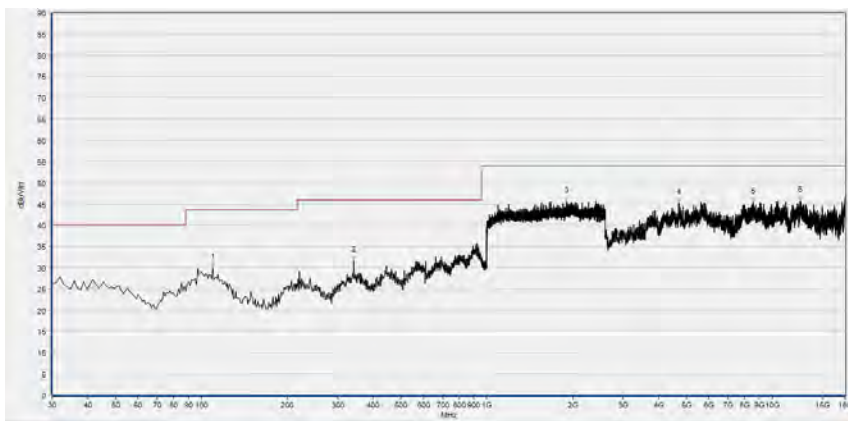


(Antenna Horizontal, 30MHz to 18GHz)



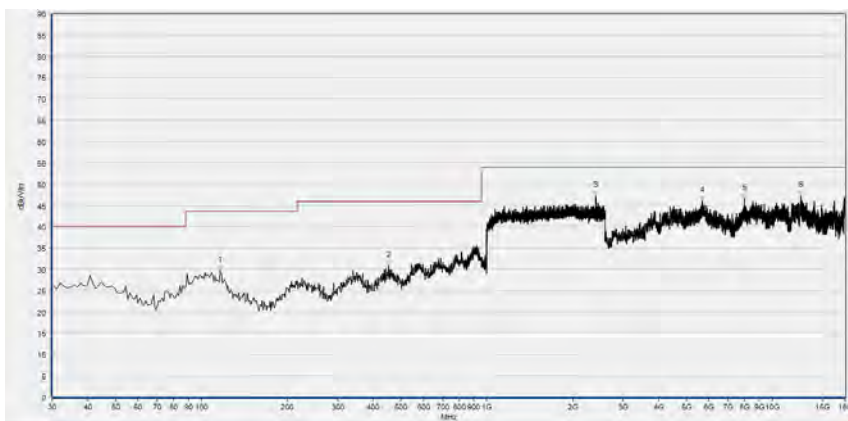
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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	29.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
342.340	31.64	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1902.400	45.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4697.480	45.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8581.360	45.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12517.600	45.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

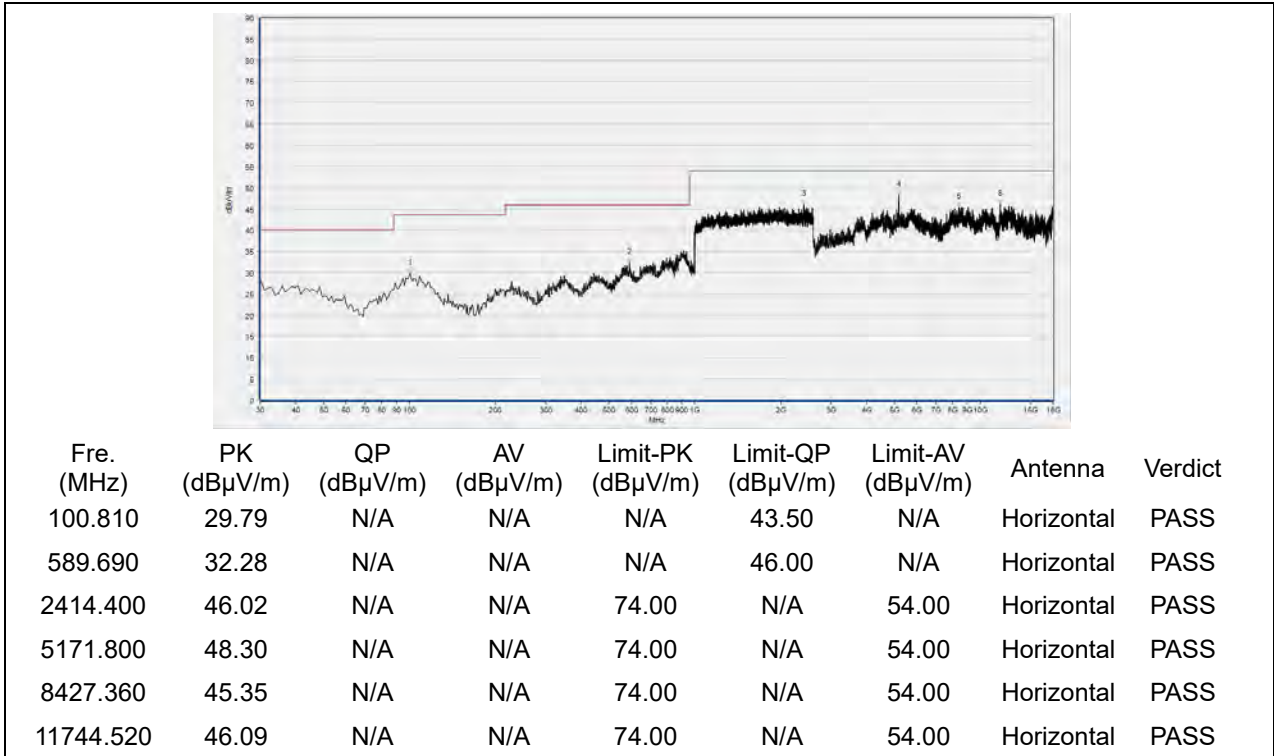
(Antenna Horizontal, 30MHz to 18GHz)



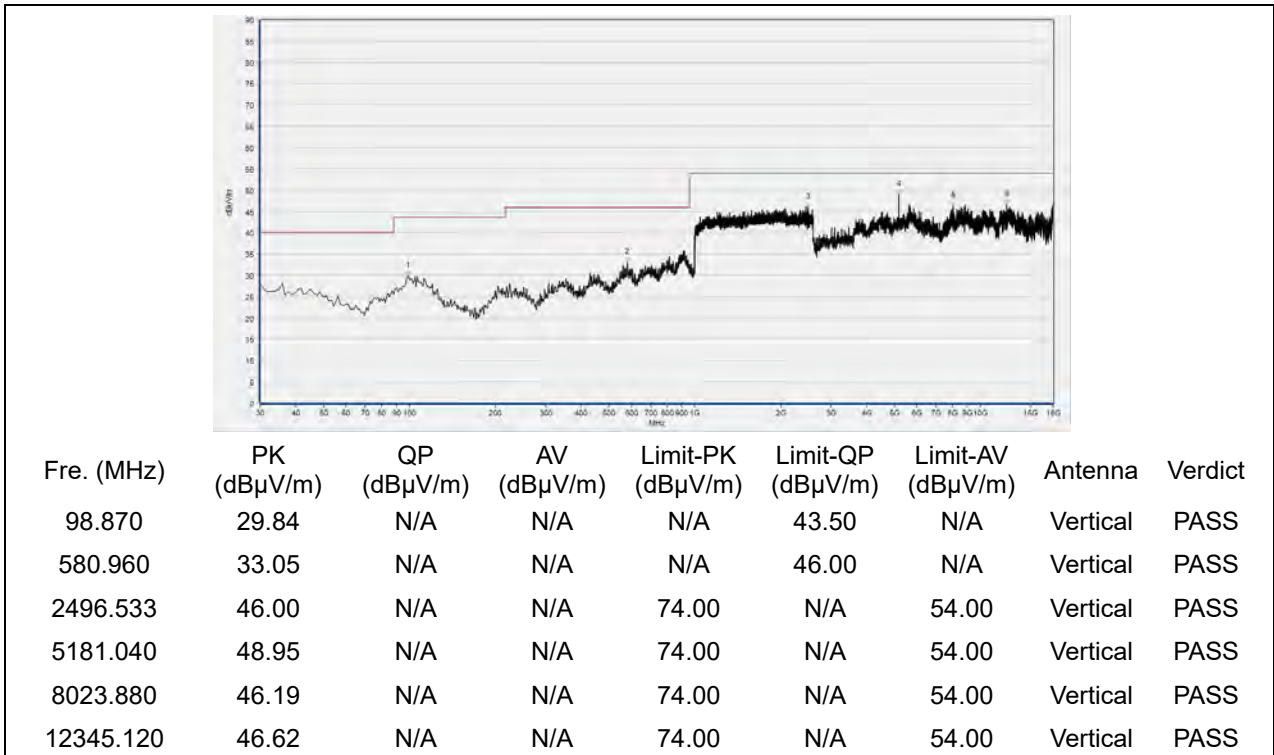
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
116.330	29.65	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
452.920	30.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2412.800	47.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5698.480	46.08	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8008.480	46.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12600.760	47.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 9



(Antenna Horizontal, 30MHz to 18GHz)

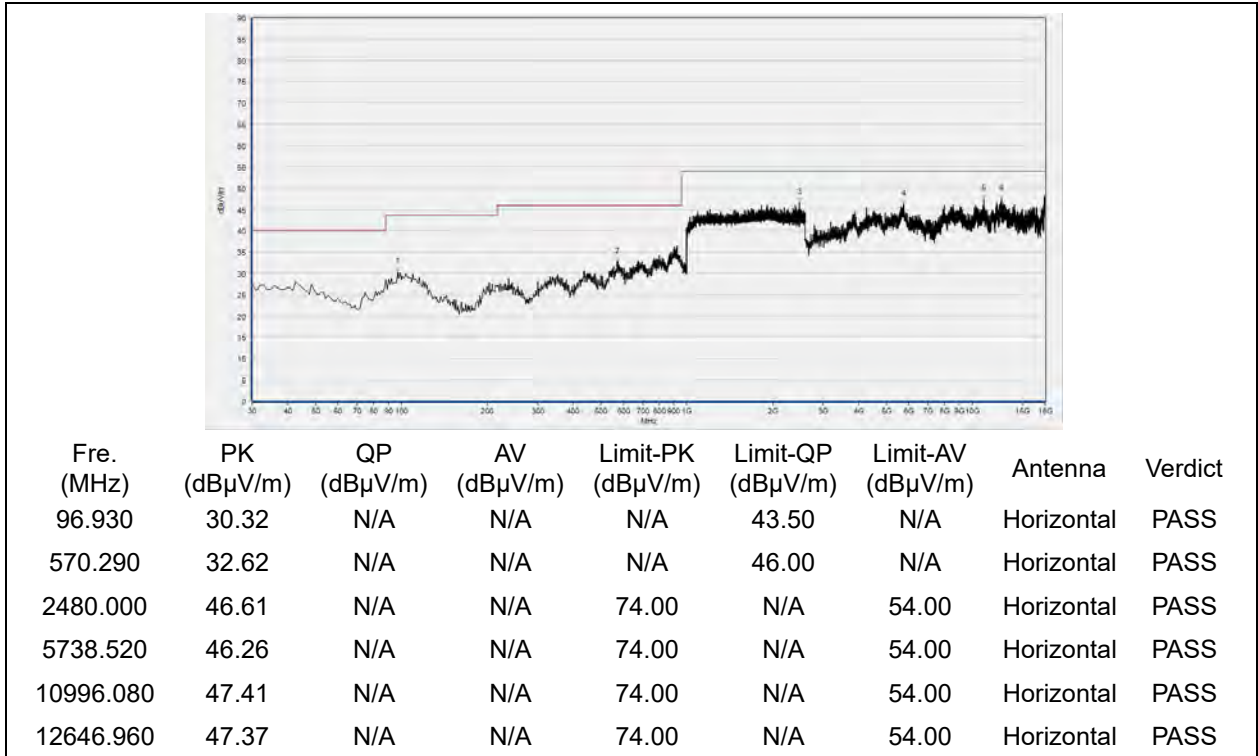


(Antenna Vertical, 30MHz to 18GHz)

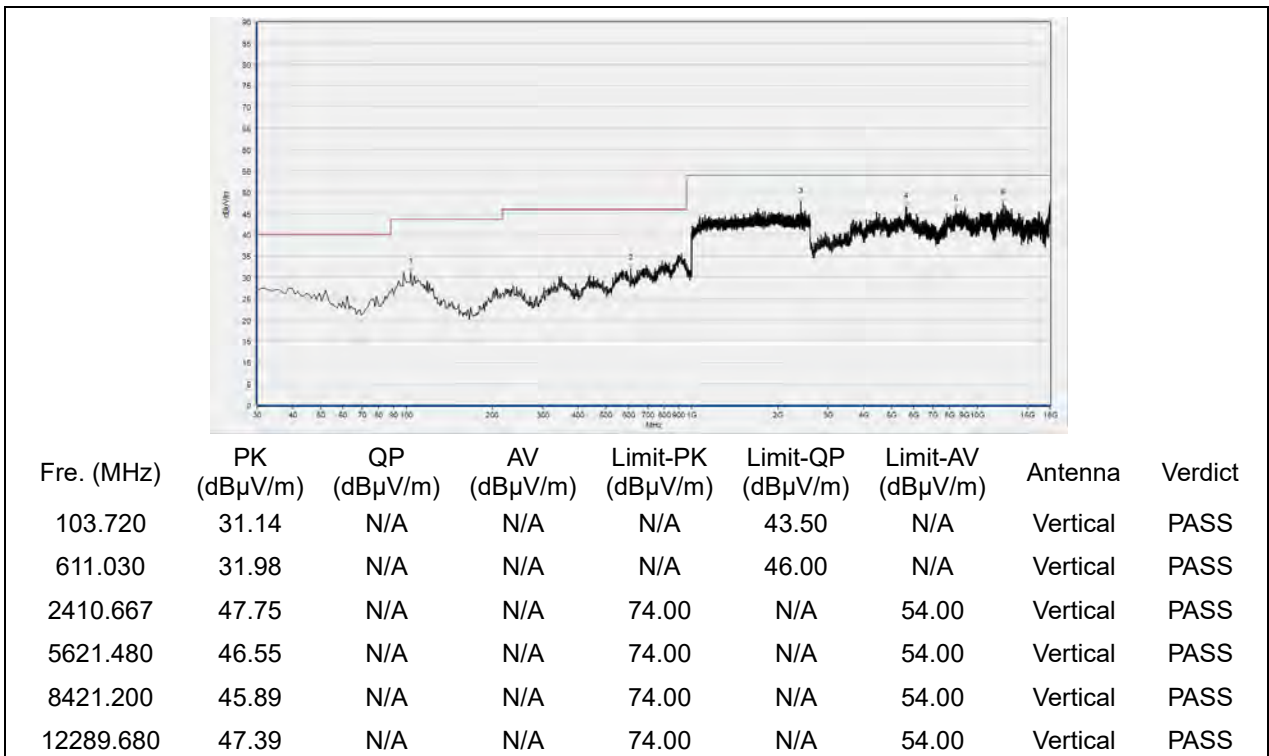


**802.11ax (HEW20) Mode**

Plot for Channel 1



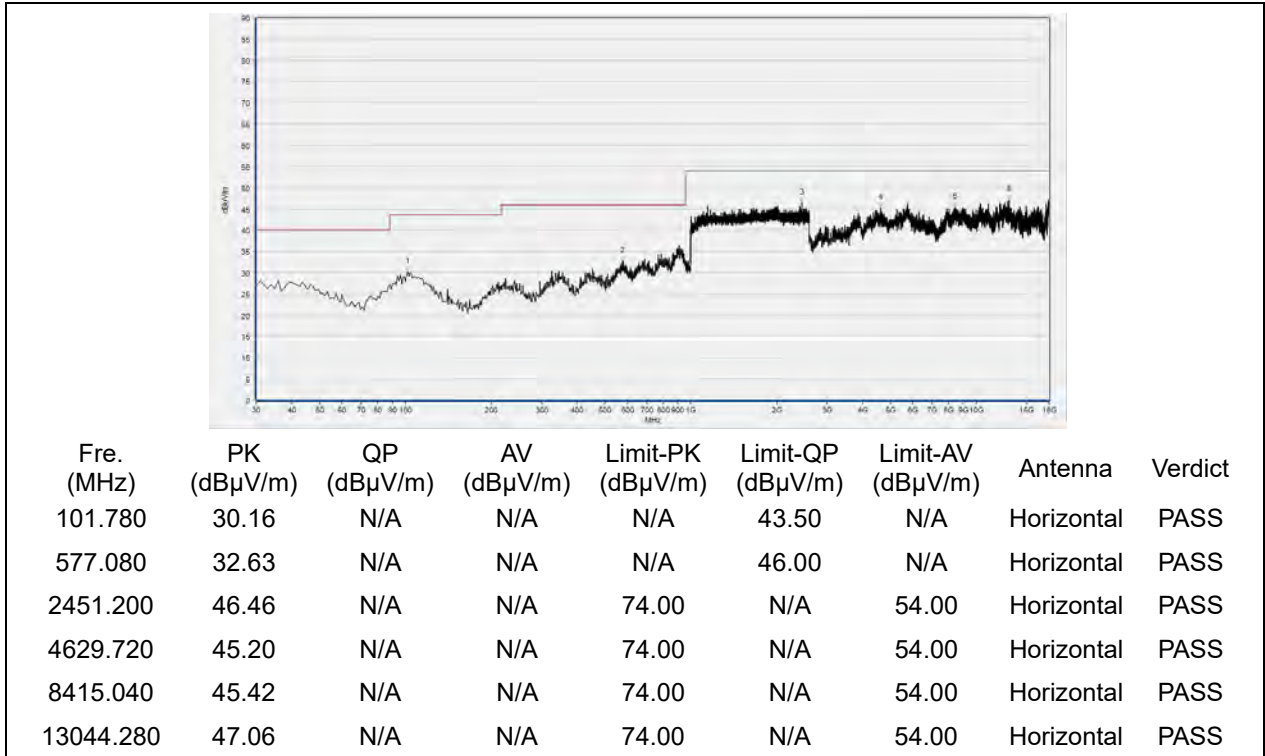
(Antenna Horizontal, 30MHz to 18GHz)



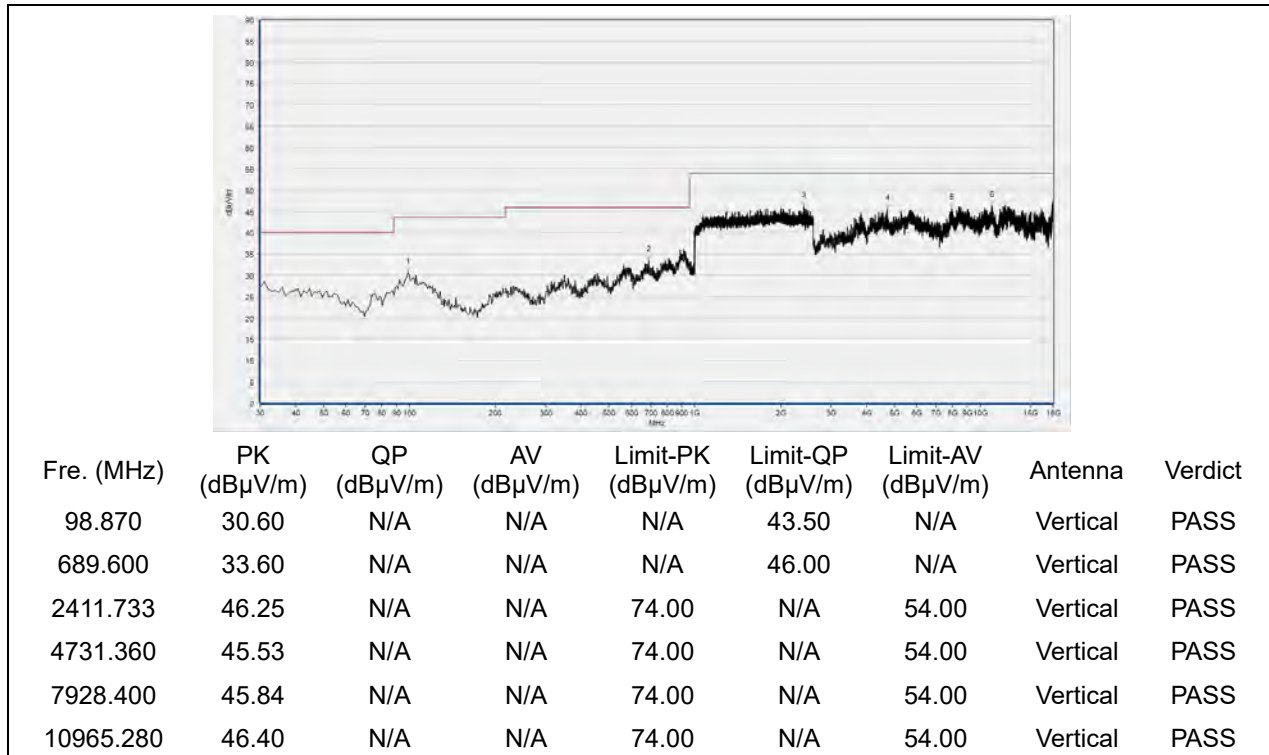
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 6

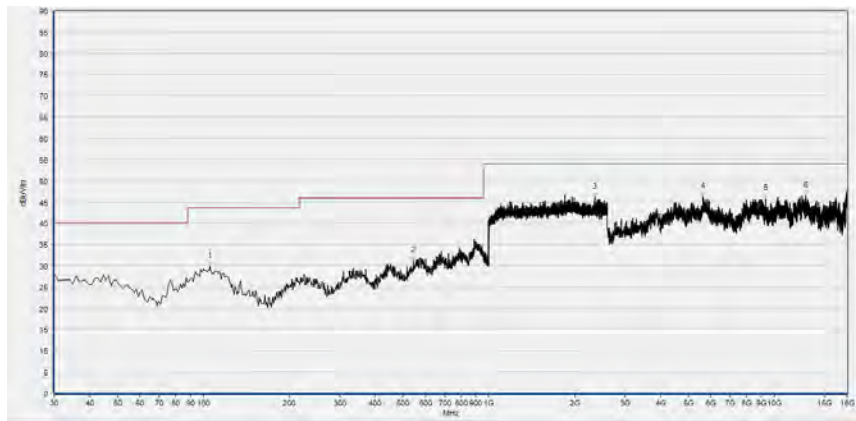


(Antenna Horizontal, 30MHz to 18GHz)



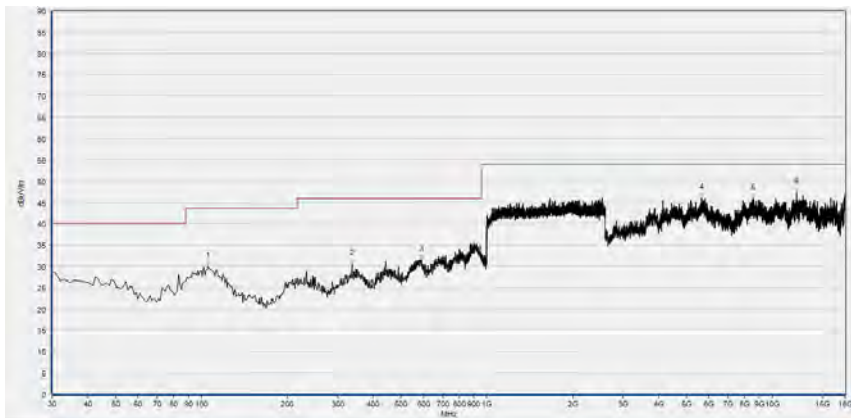
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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
105.660	29.75	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
545.070	31.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2356.267	46.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5609.160	46.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9342.120	45.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12890.280	46.49	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

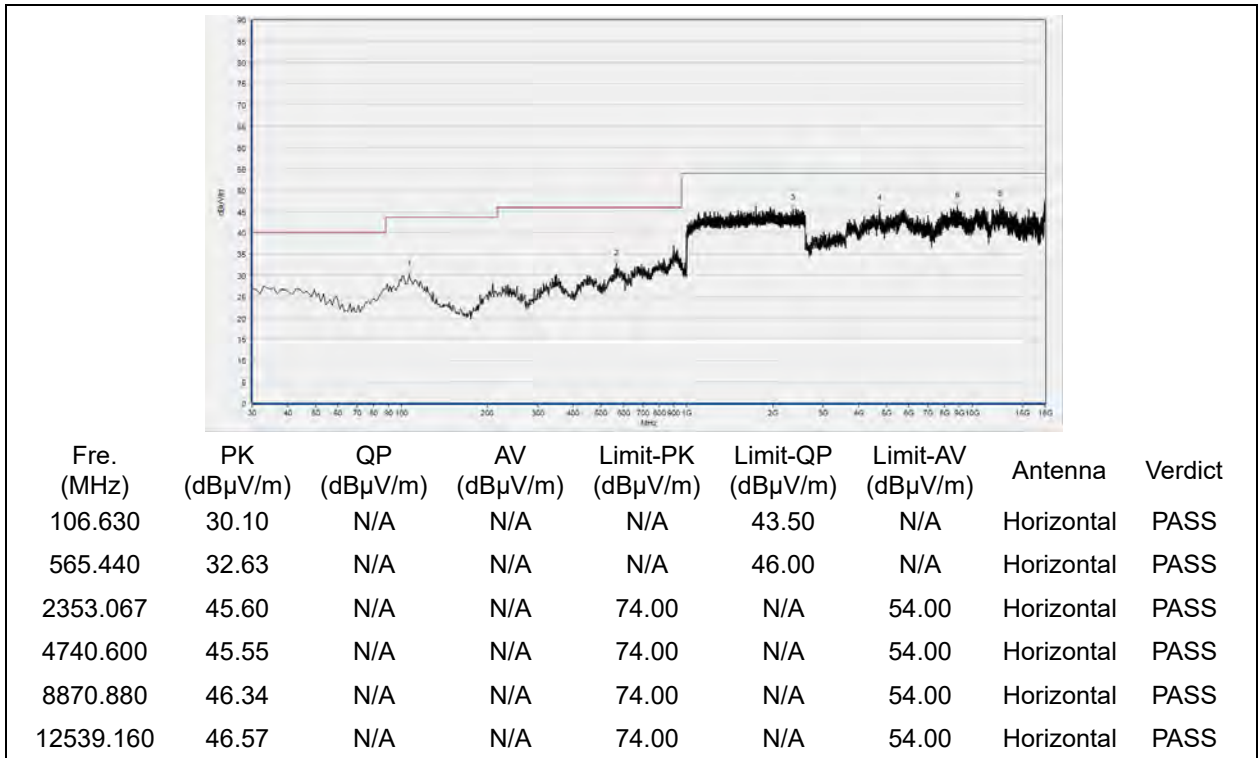


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.660	30.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
337.490	30.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
589.690	31.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5652.280	46.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8572.120	45.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12151.080	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

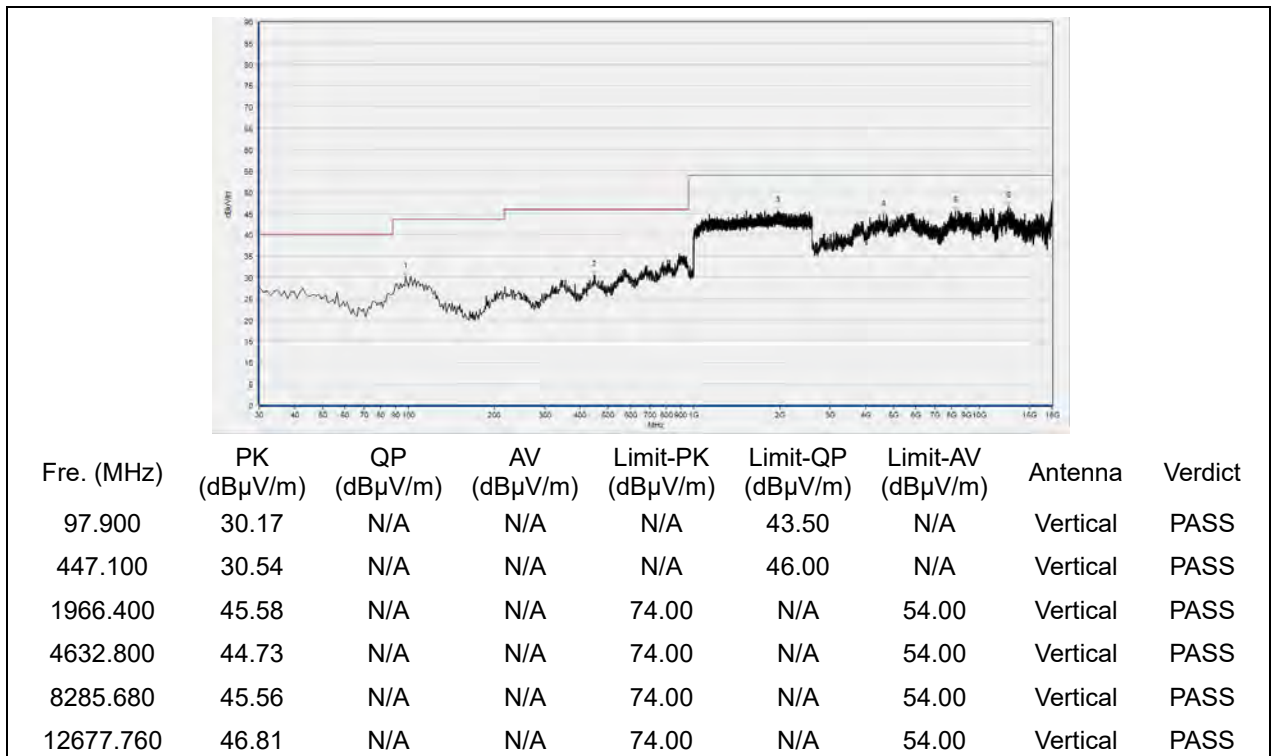
(Antenna Vertical, 30MHz to 18GHz)

**802.11ax (HEW20) RU26 Mode**

**Plot for Channel 1**

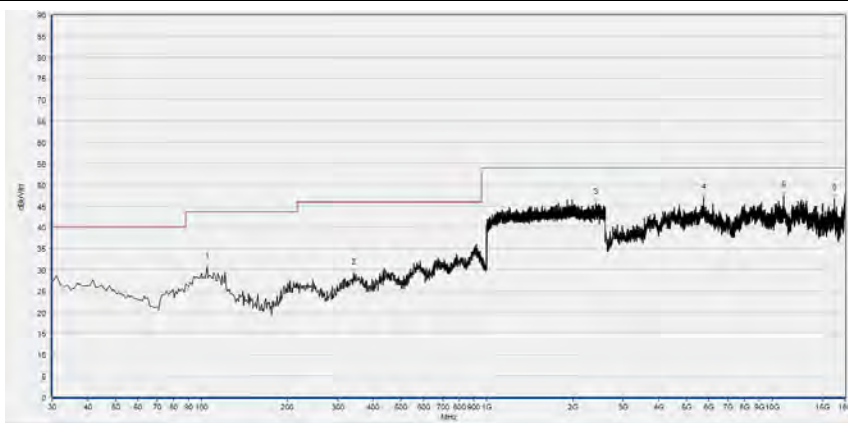


(Antenna Horizontal, 30MHz to 18GHz)



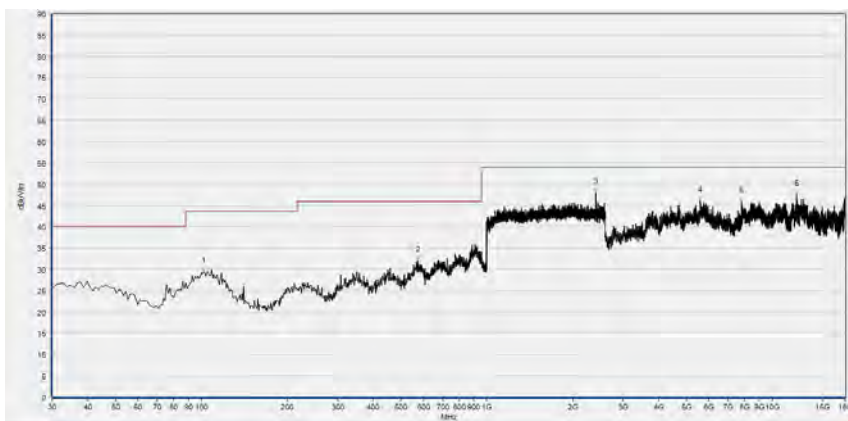
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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	30.72	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
341.370	29.16	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2412.267	45.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5744.680	46.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10968.360	47.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16530.840	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

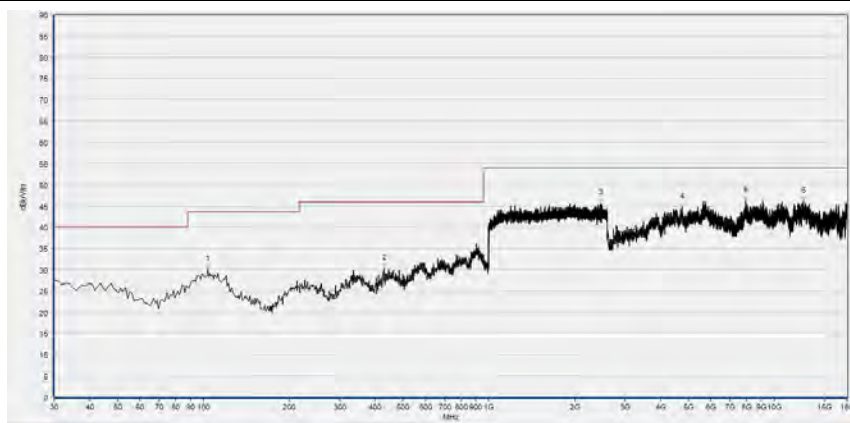
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	29.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
573.200	31.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2408.533	48.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5603.000	46.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7805.200	45.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12181.880	47.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

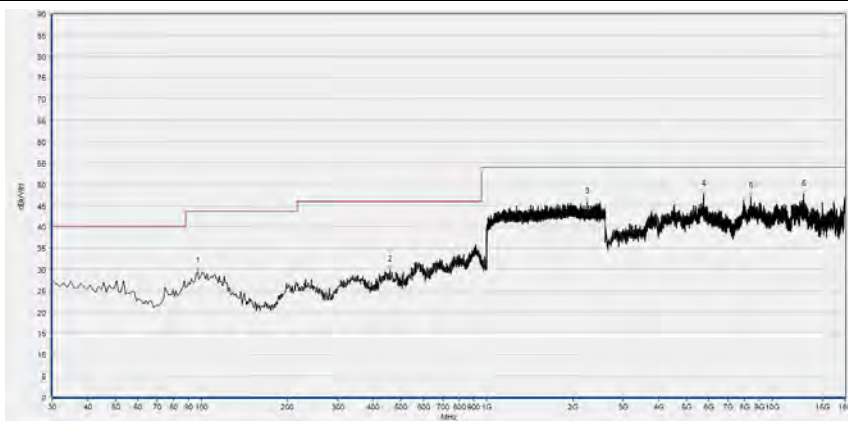
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	30.06	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
430.610	30.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
2460.800	45.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4746.760	44.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7925.320	46.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12677.760	46.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

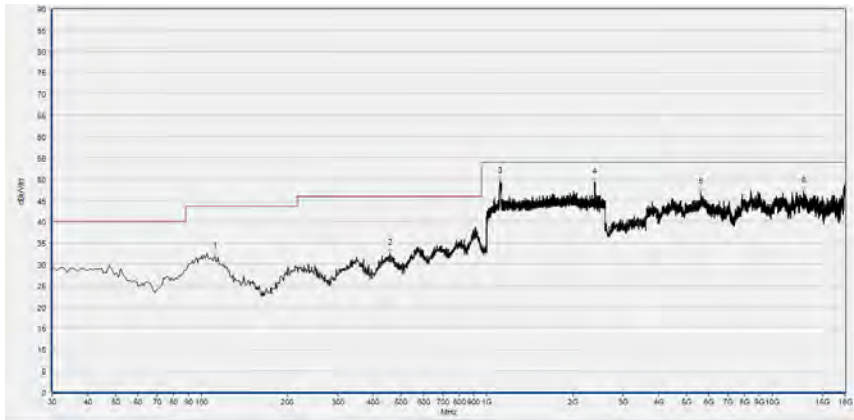


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.930	29.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
457.770	29.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2244.800	45.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5741.600	47.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8424.280	47.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12881.040	47.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

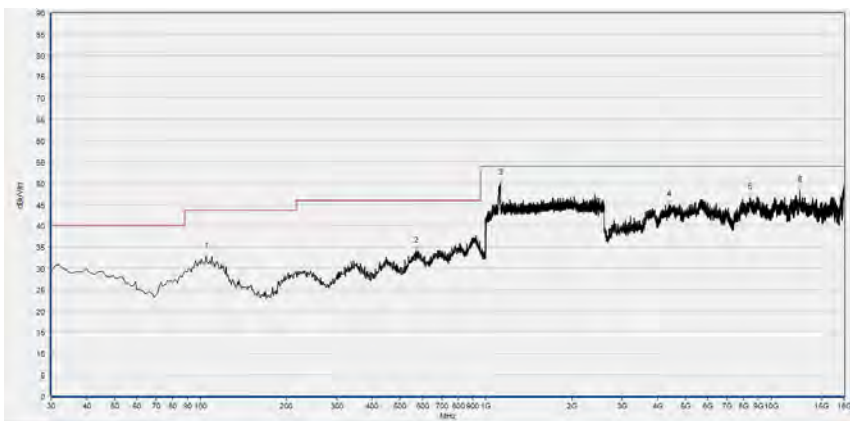
**Antenna Type B, 802.11b Mode**

**Plot for Channel 1**



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	31.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
456.800	32.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1113.600	49.42	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2387.733	49.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5627.640	46.91	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12877.960	47.15	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

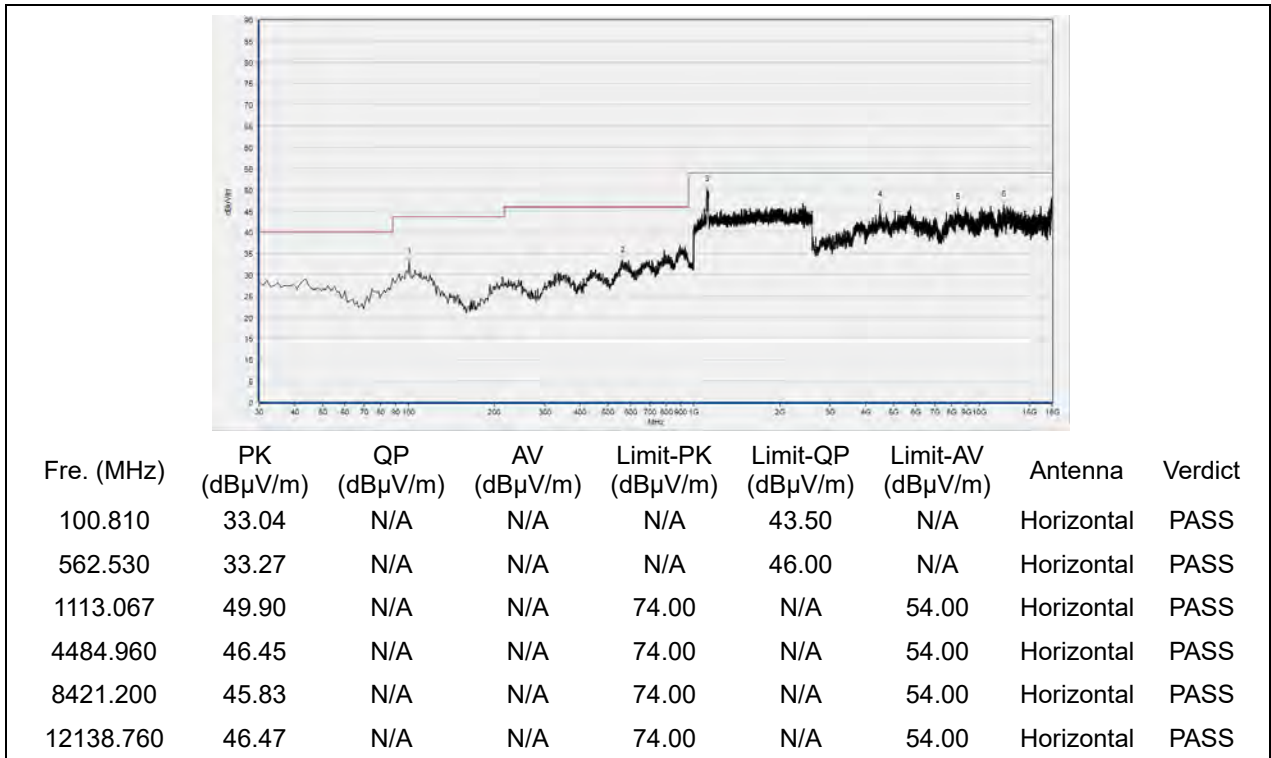
(Antenna Horizontal, 30MHz to 18GHz)



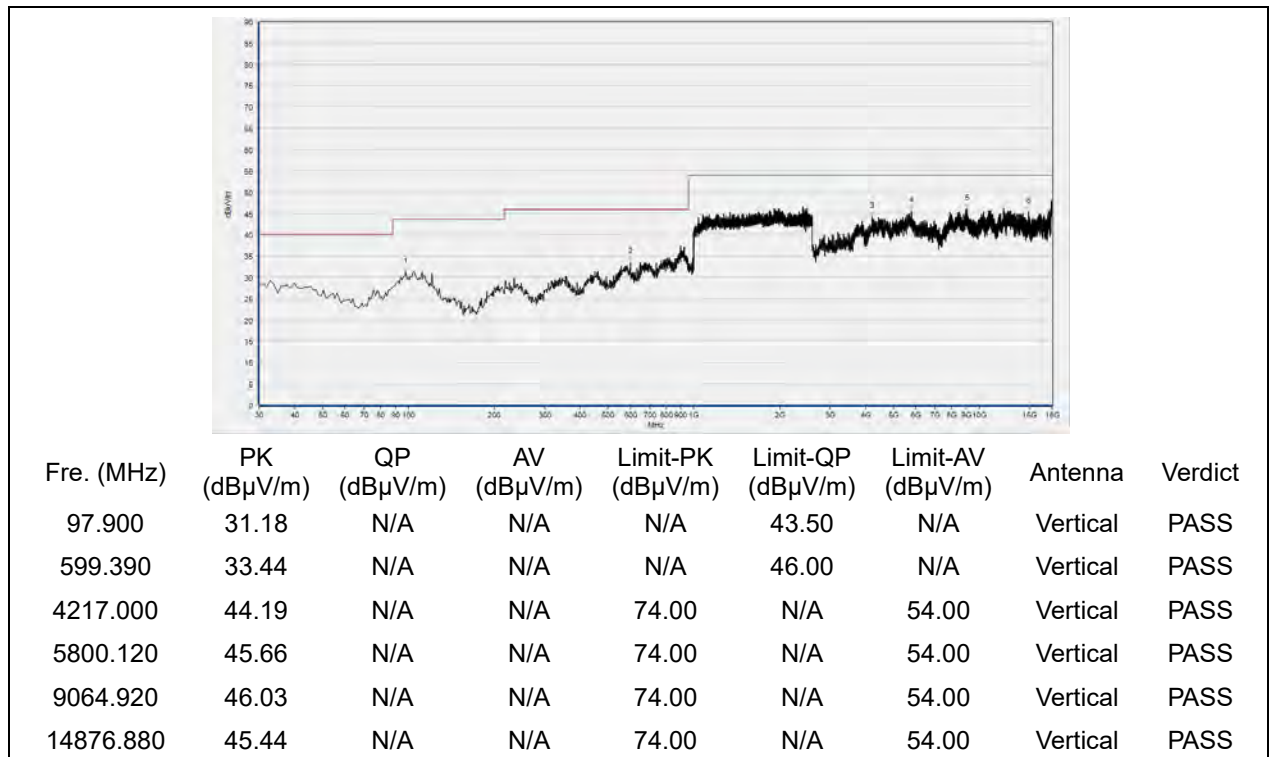
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	32.63	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
570.290	33.95	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1123.733	49.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4377.160	44.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8415.040	46.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12579.200	48.20	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6

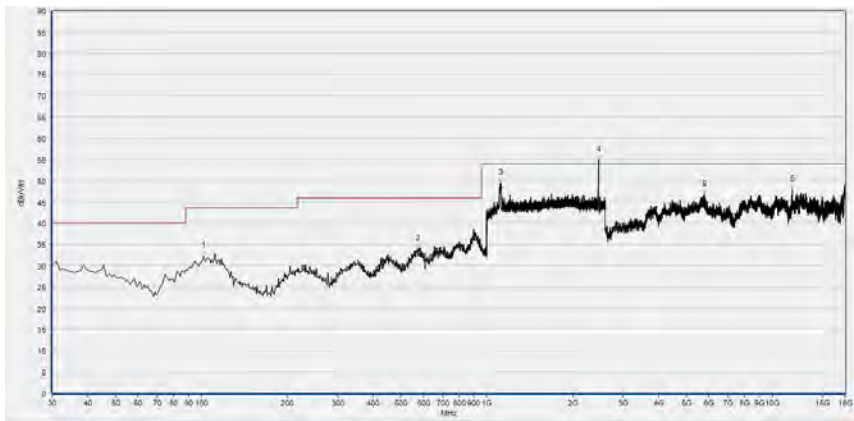


(Antenna Horizontal, 30MHz to 18GHz)



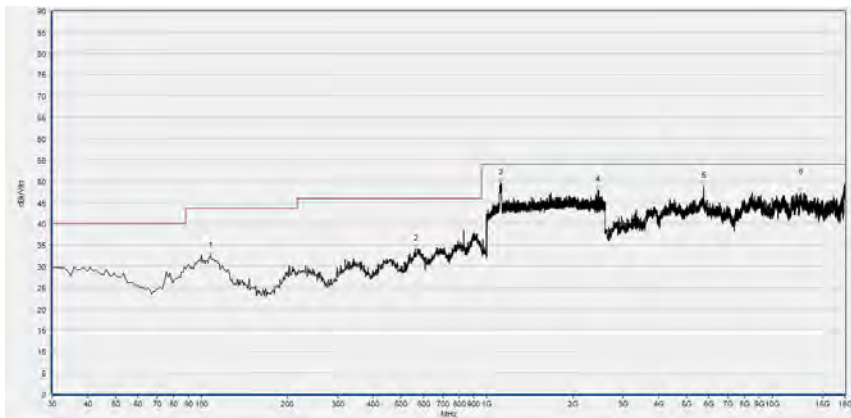
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	32.25	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.170	33.84	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1117.333	49.47	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2462.933	54.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5784.720	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11747.600	48.01	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	32.29	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
563.500	34.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1117.867	49.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2452.800	47.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5757.000	48.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12566.880	47.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

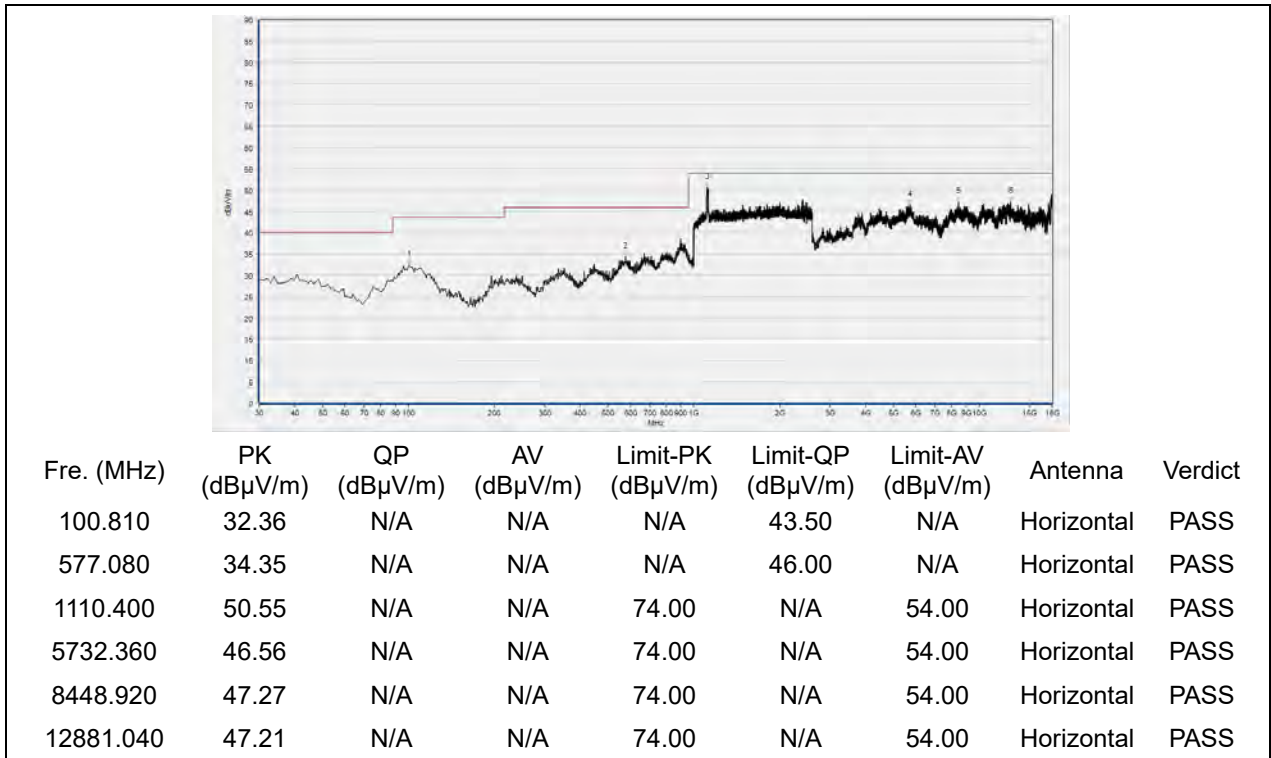
(Antenna Vertical, 30MHz to 18GHz)



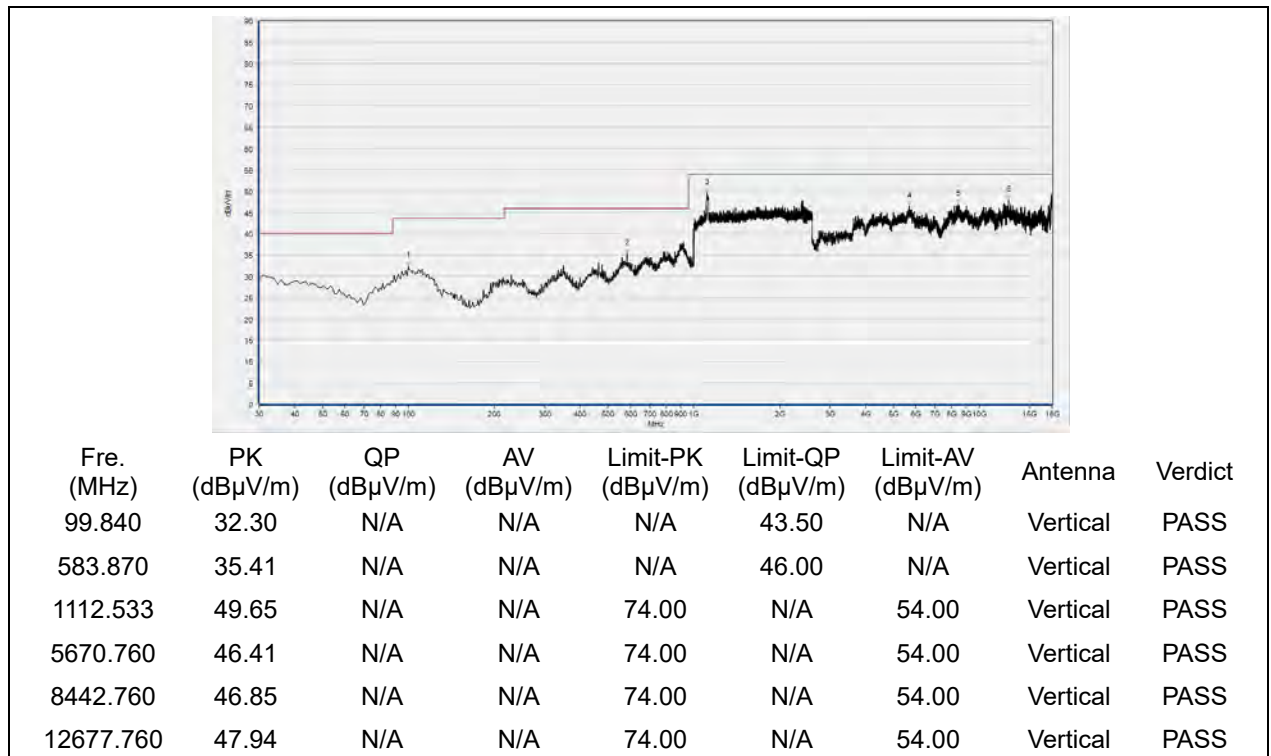


802.11g Mode

Plot for Channel 1

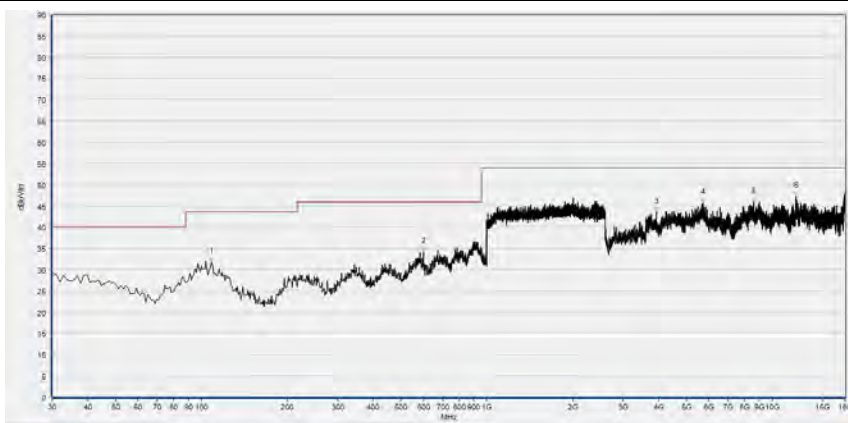


(Antenna Horizontal, 30MHz to 18GHz)



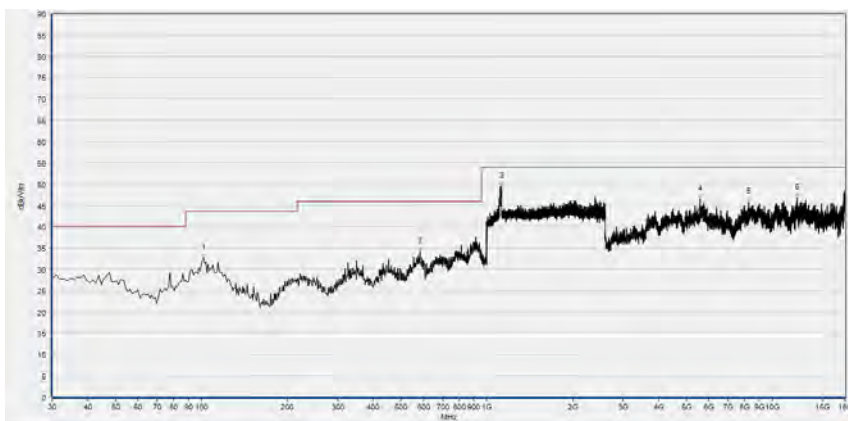
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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	31.91	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
599.390	34.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
3921.320	43.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5732.360	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8596.760	45.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12126.440	47.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

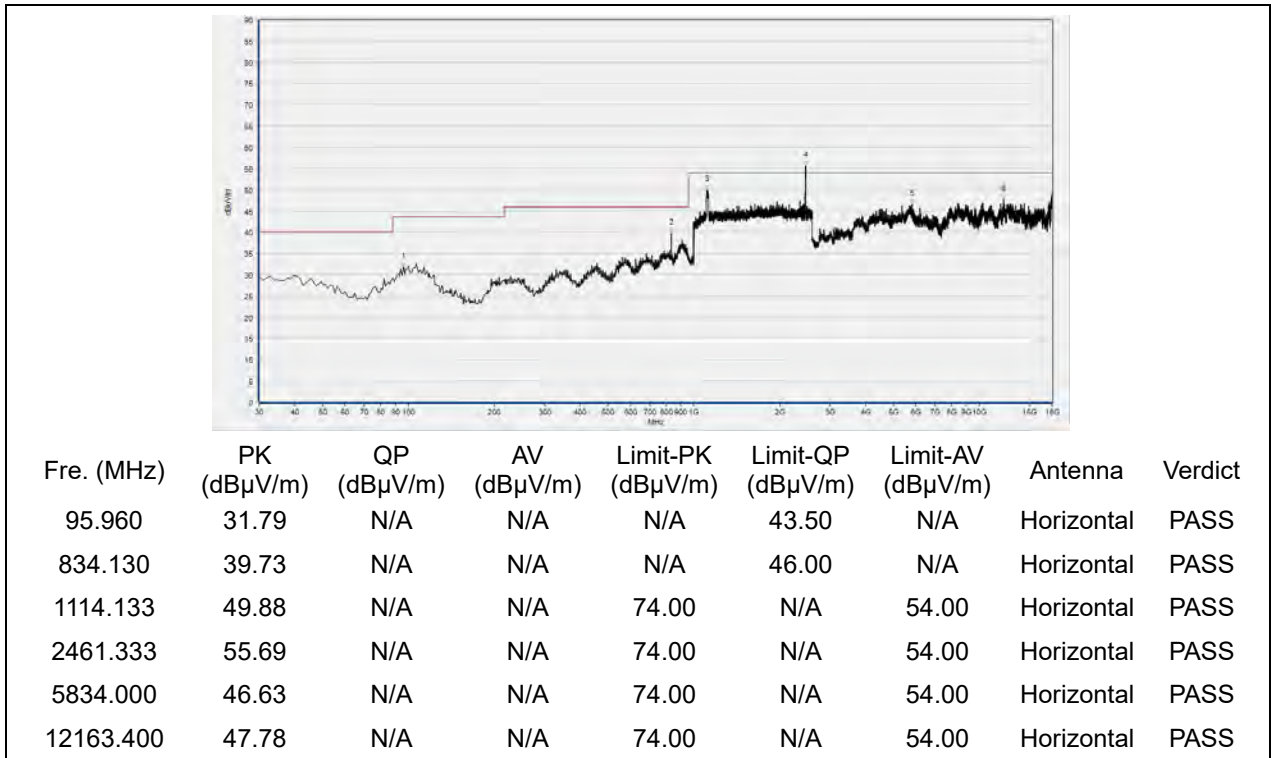
(Antenna Horizontal, 30MHz to 18GHz)



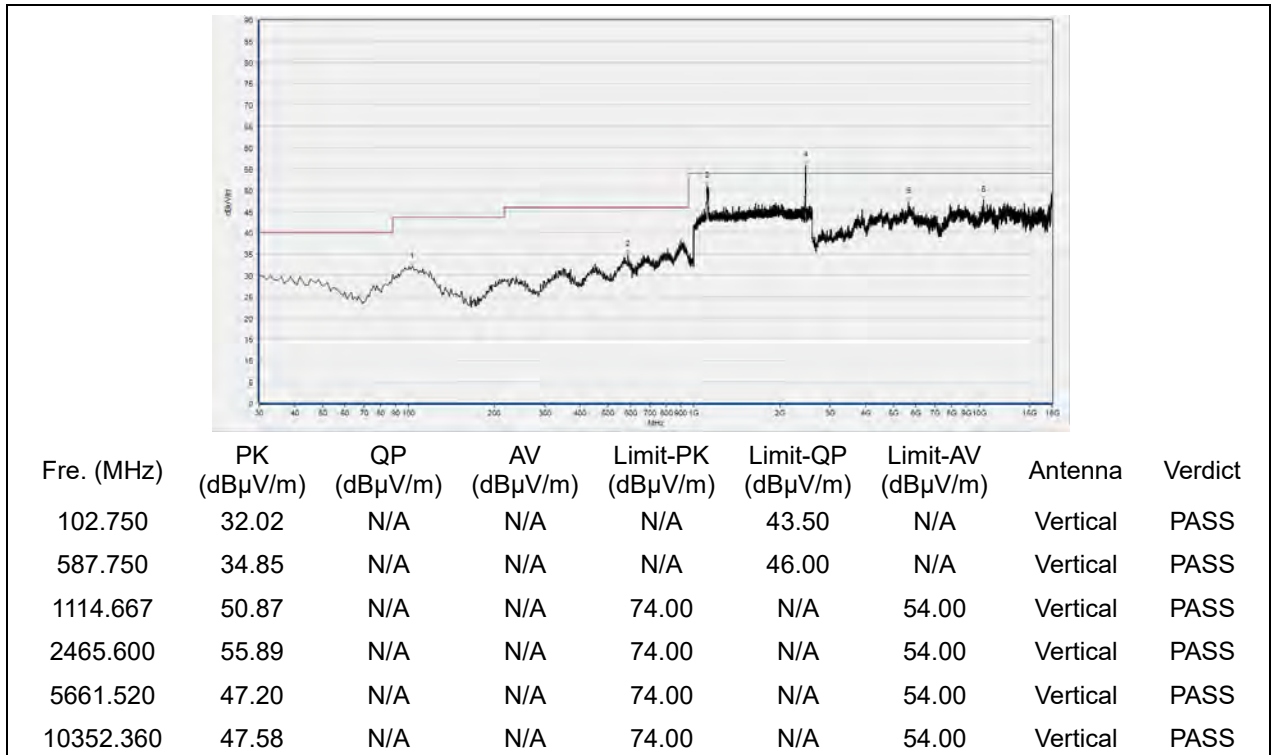
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.780	32.47	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
581.930	34.22	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1124.267	49.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5572.200	46.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8273.360	45.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12203.440	46.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



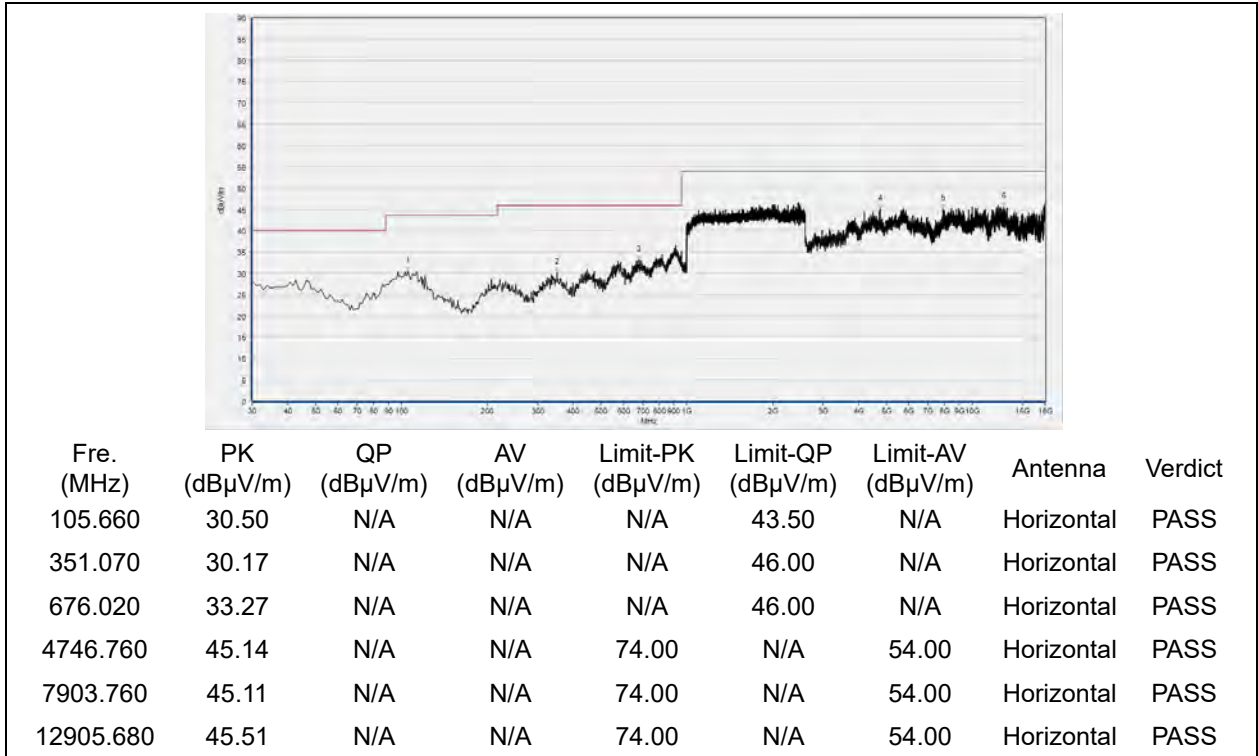
(Antenna Horizontal, 30MHz to 18GHz)



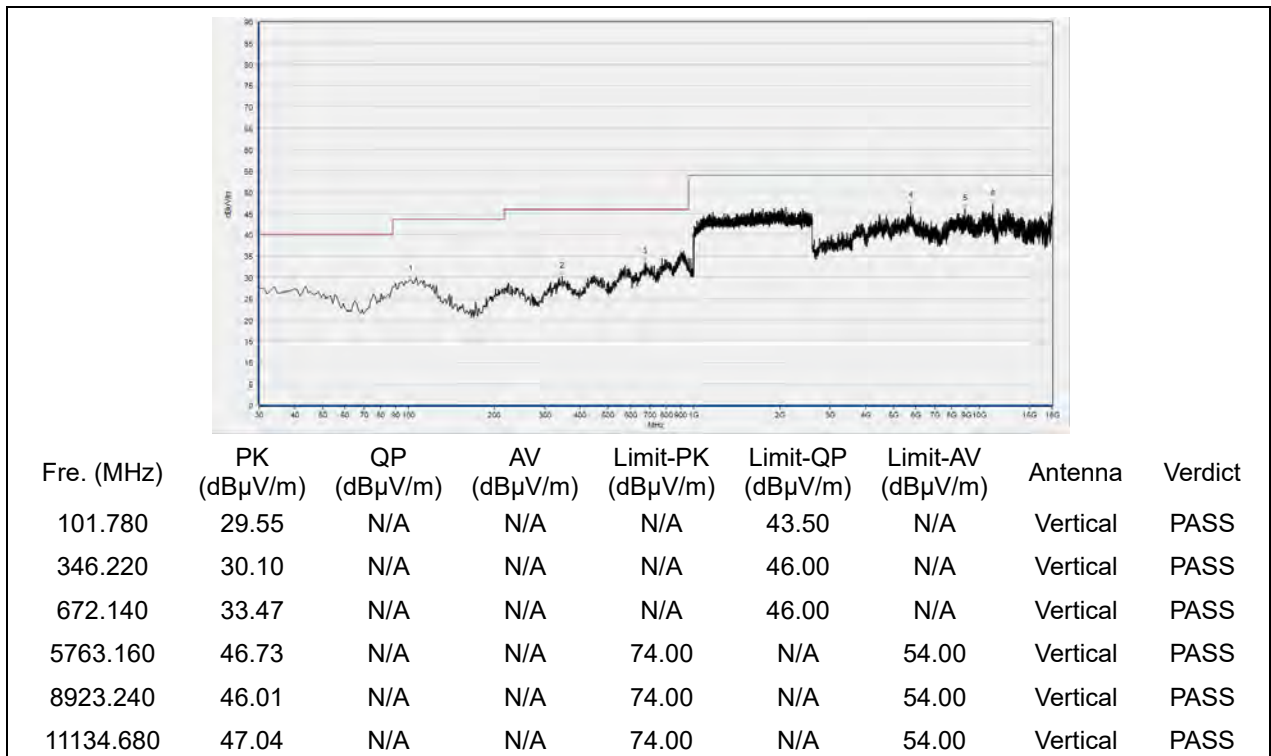
(Antenna Vertical, 30MHz to 18GHz)

**802.11n (HT20) Mode**

**Plot for Channel 1**

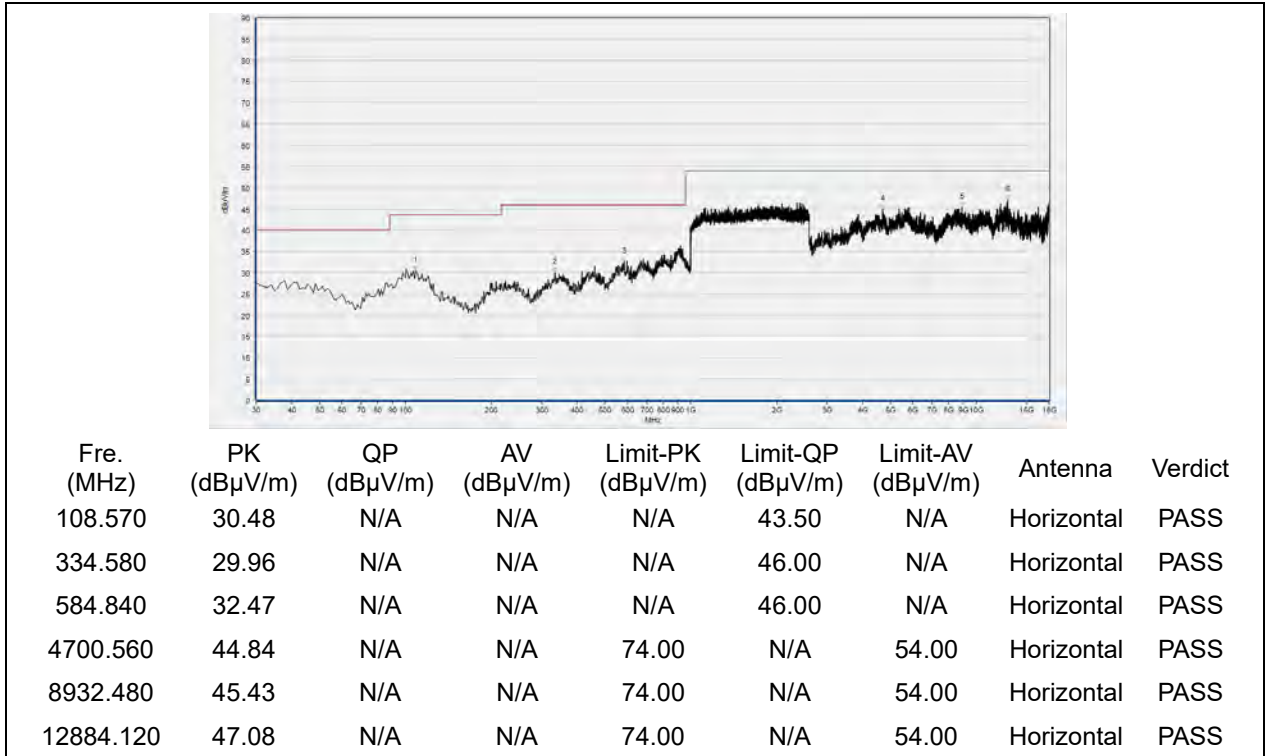


(Antenna Horizontal, 30MHz to 18GHz)

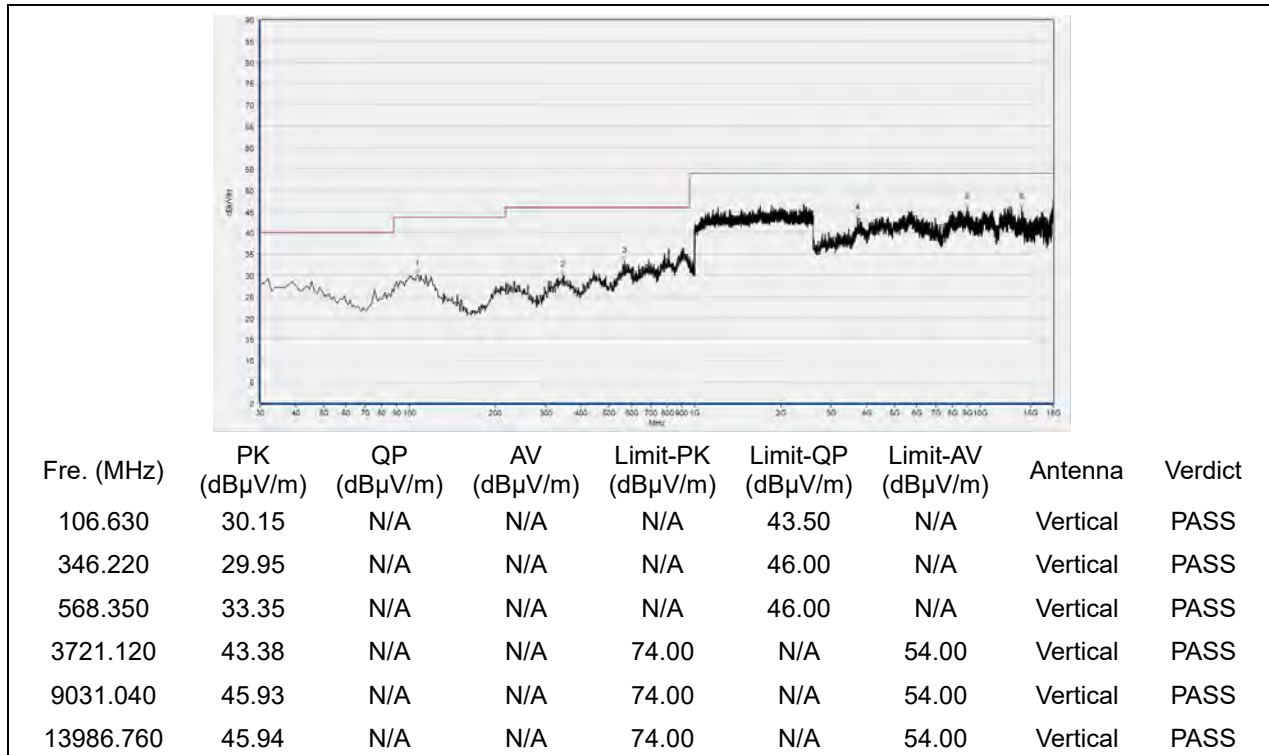


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6

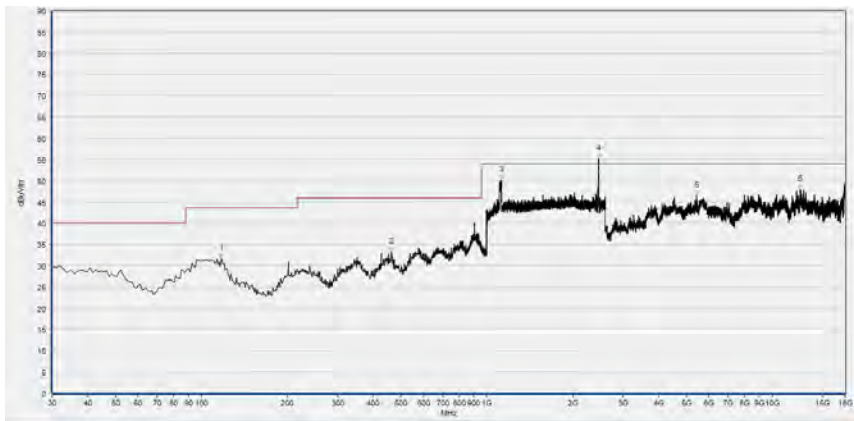


(Antenna Horizontal, 30MHz to 18GHz)



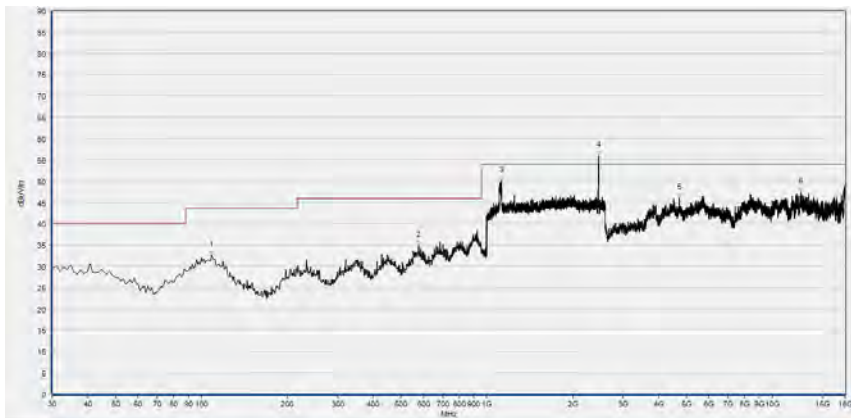
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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
117.300	31.63	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
463.590	33.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
1123.200	50.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2466.133	55.16	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5424.360	46.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12489.880	47.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



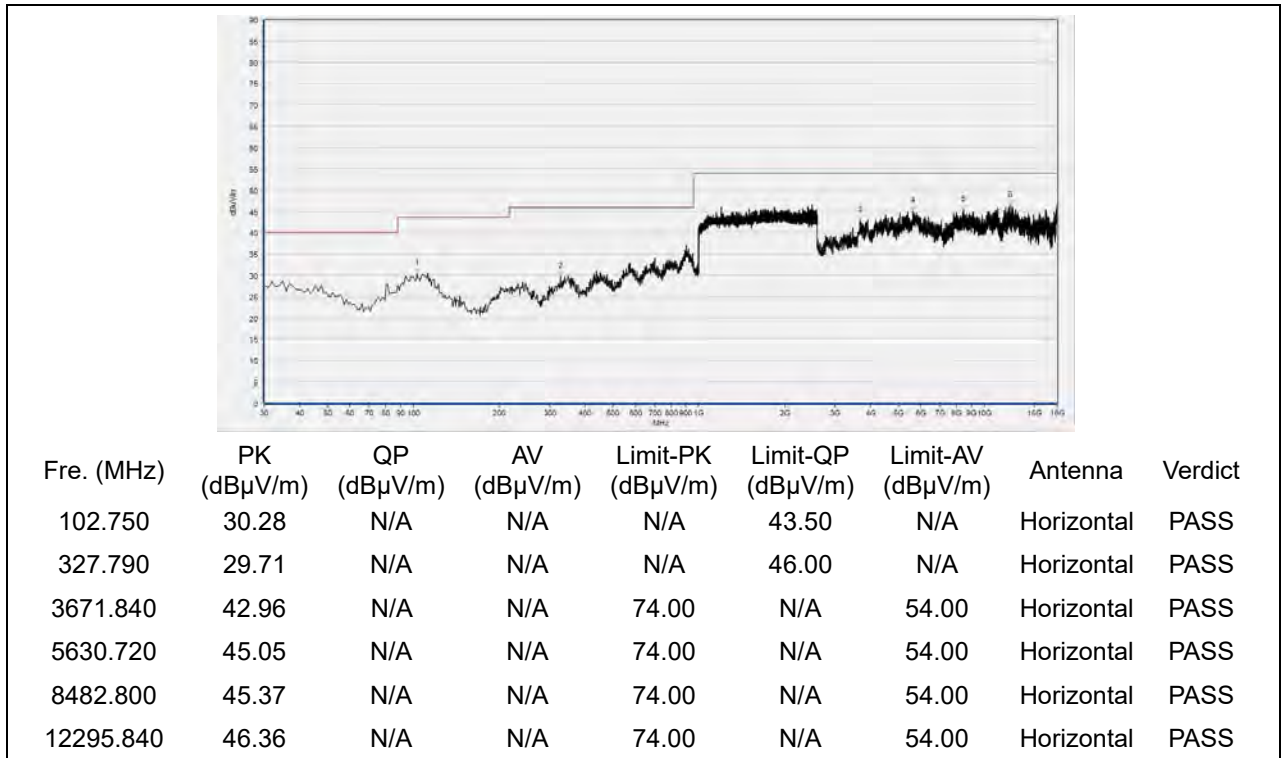
Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.570	32.56	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.050	34.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
1123.200	50.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2464.533	56.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4722.120	46.12	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12613.080	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

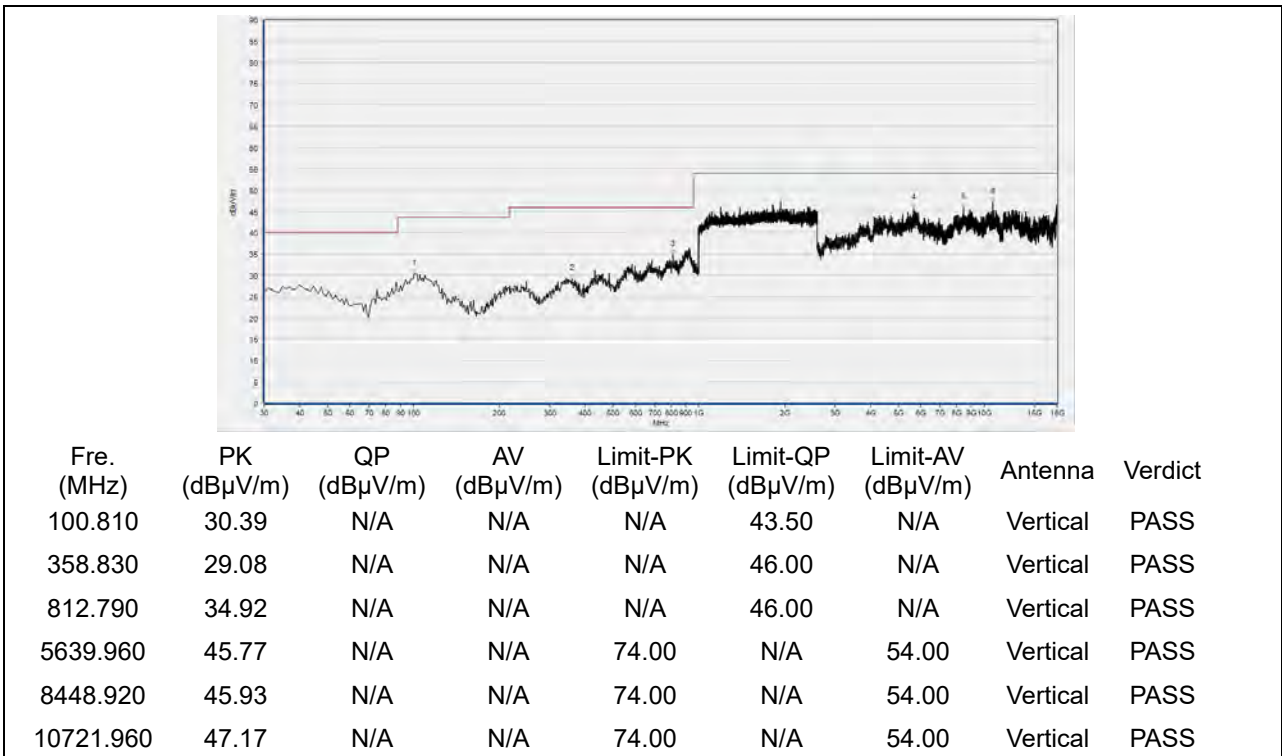


**802.11n (HT40) Mode**

Plot for Channel 3

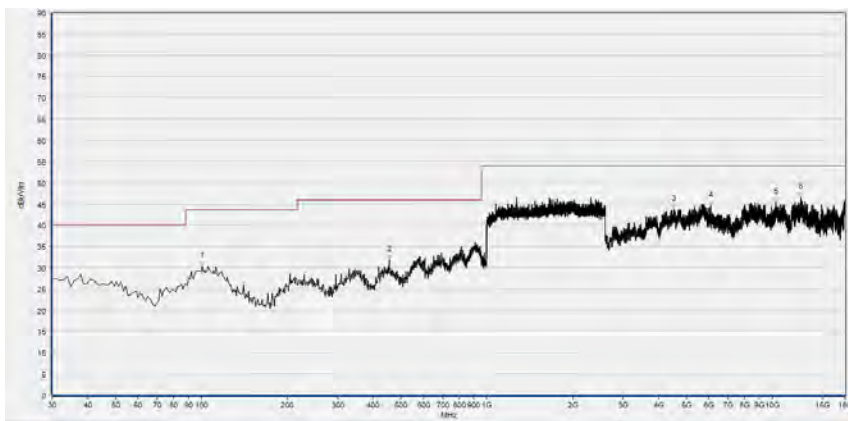


(Antenna Horizontal, 30MHz to 18GHz)



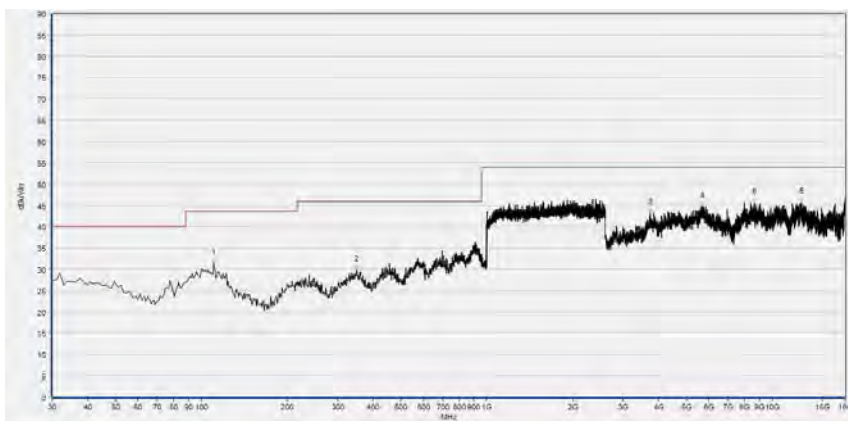
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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
100.810	30.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
454.860	31.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4509.600	43.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6080.400	44.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10318.480	45.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12569.960	46.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

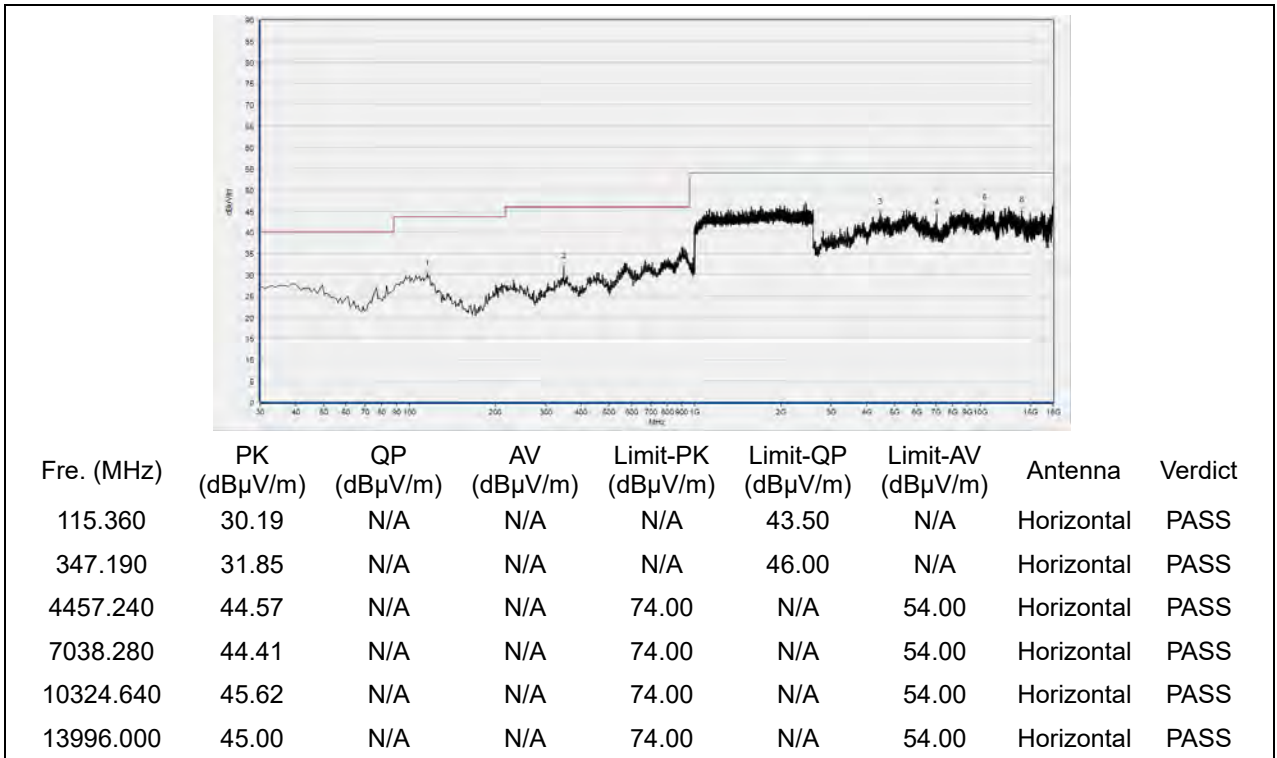


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
110.510	31.35	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
350.100	29.80	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
3742.680	43.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5683.080	44.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8636.800	45.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12671.600	45.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

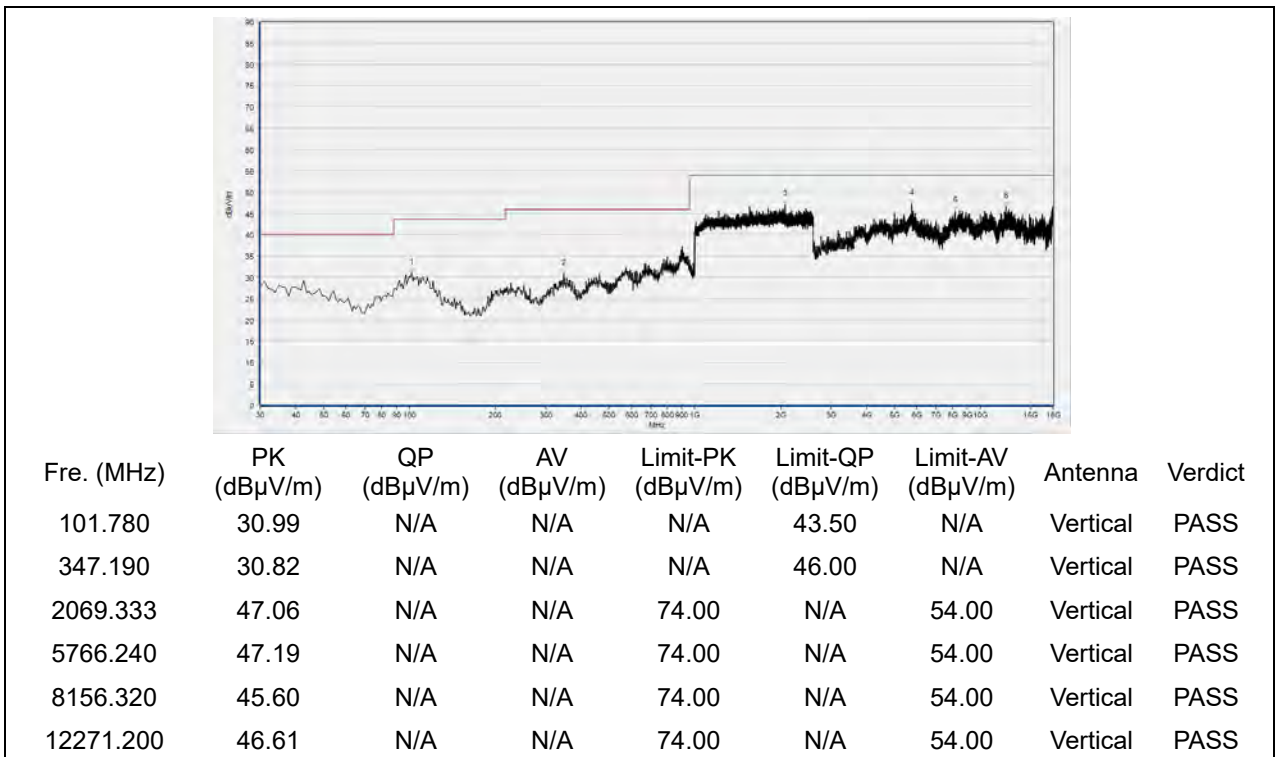
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 9



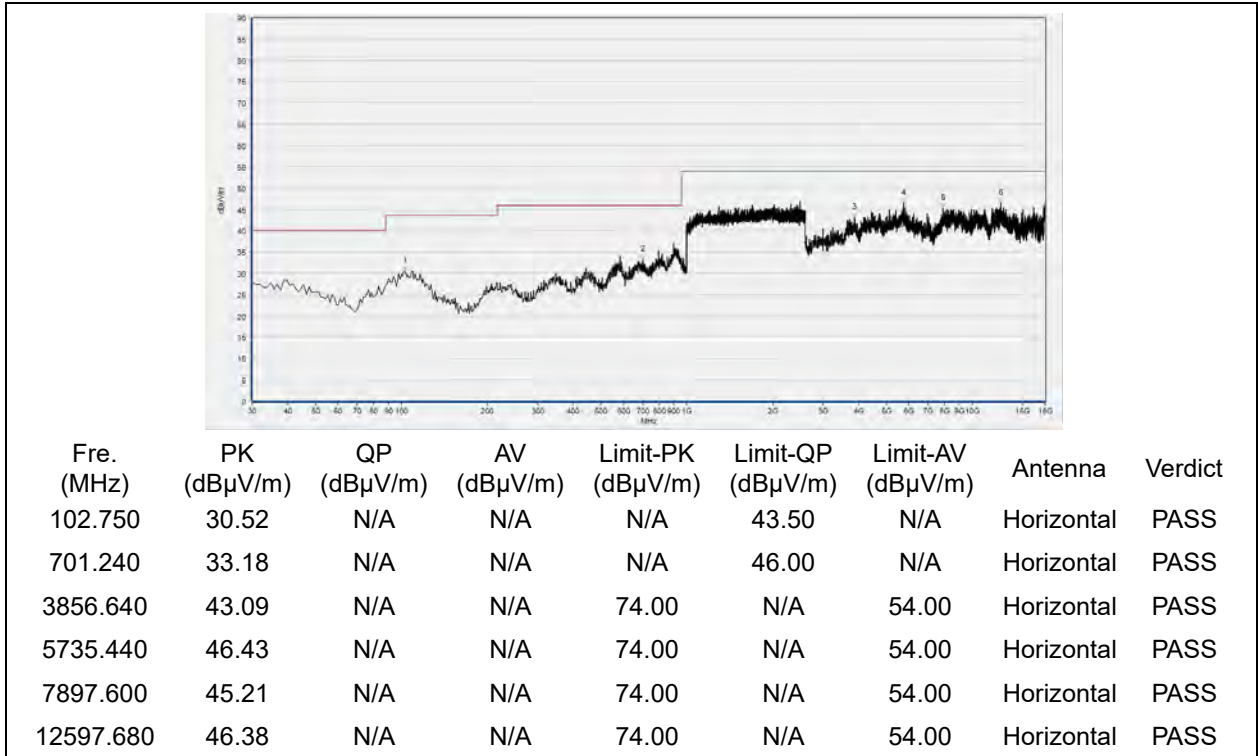
(Antenna Horizontal, 30MHz to 18GHz)



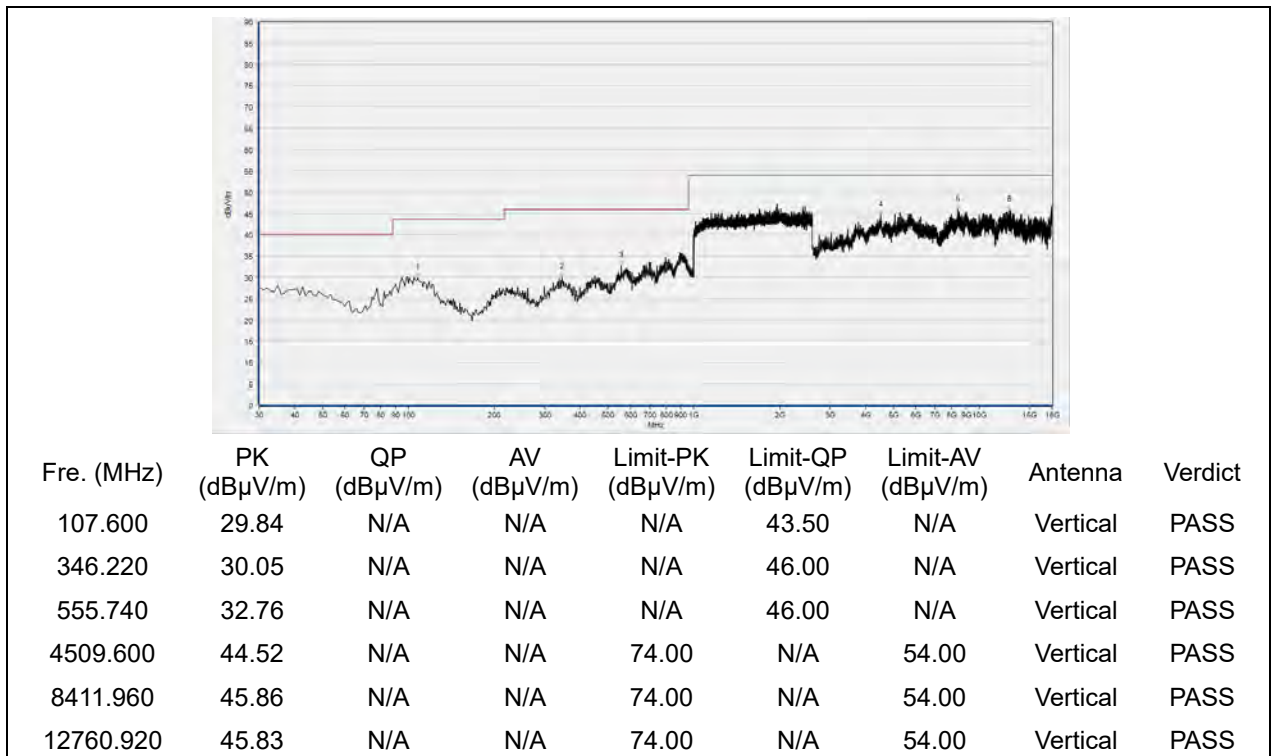
(Antenna Vertical, 30MHz to 18GHz)

**802.11ax (HEW20) Mode**

Plot for Channel 1

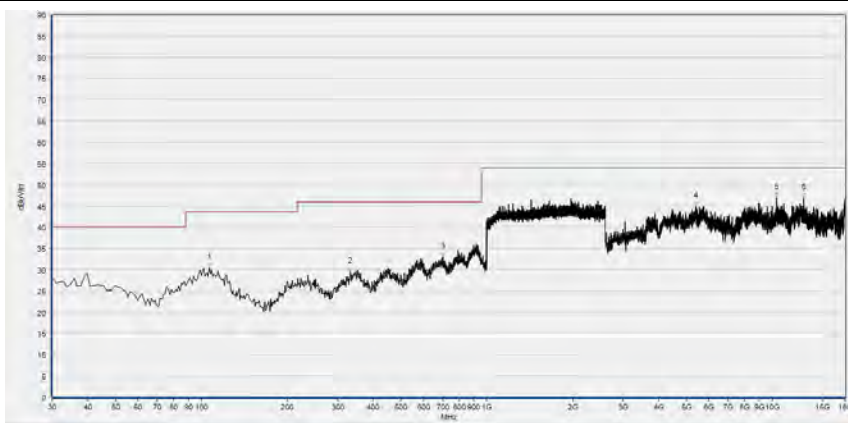


(Antenna Horizontal, 30MHz to 18GHz)



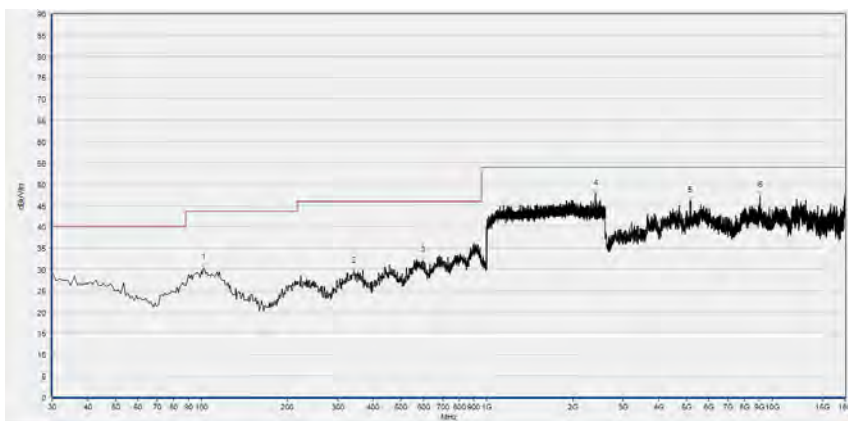
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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	30.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
332.640	29.57	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
703.180	32.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5408.960	44.99	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10361.600	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

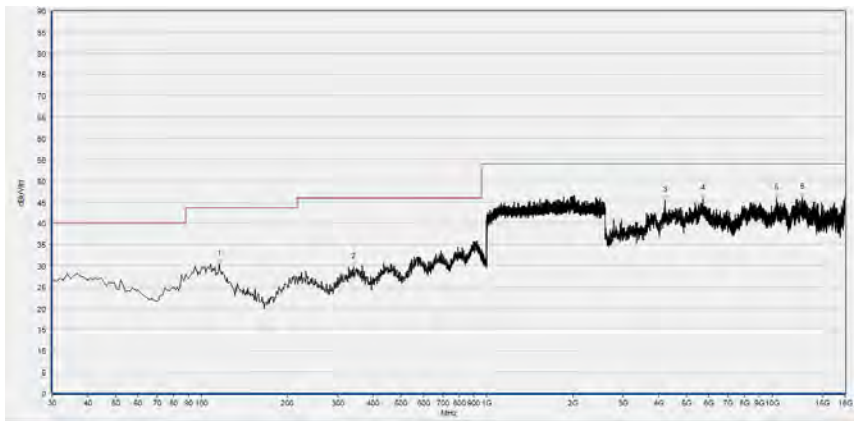
(Antenna Horizontal, 30MHz to 18GHz)



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
101.780	30.30	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
342.340	29.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
595.510	32.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
2402.133	47.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5159.480	46.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9055.680	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

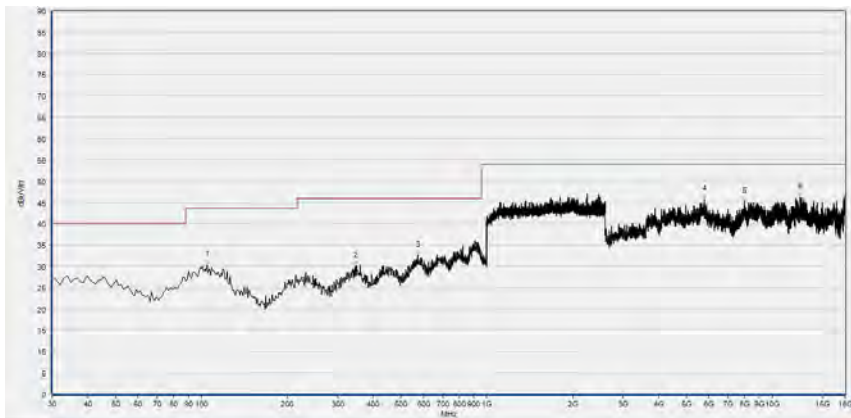
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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
115.360	30.30	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
341.370	29.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4201.600	45.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5716.960	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10358.520	45.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12754.760	46.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

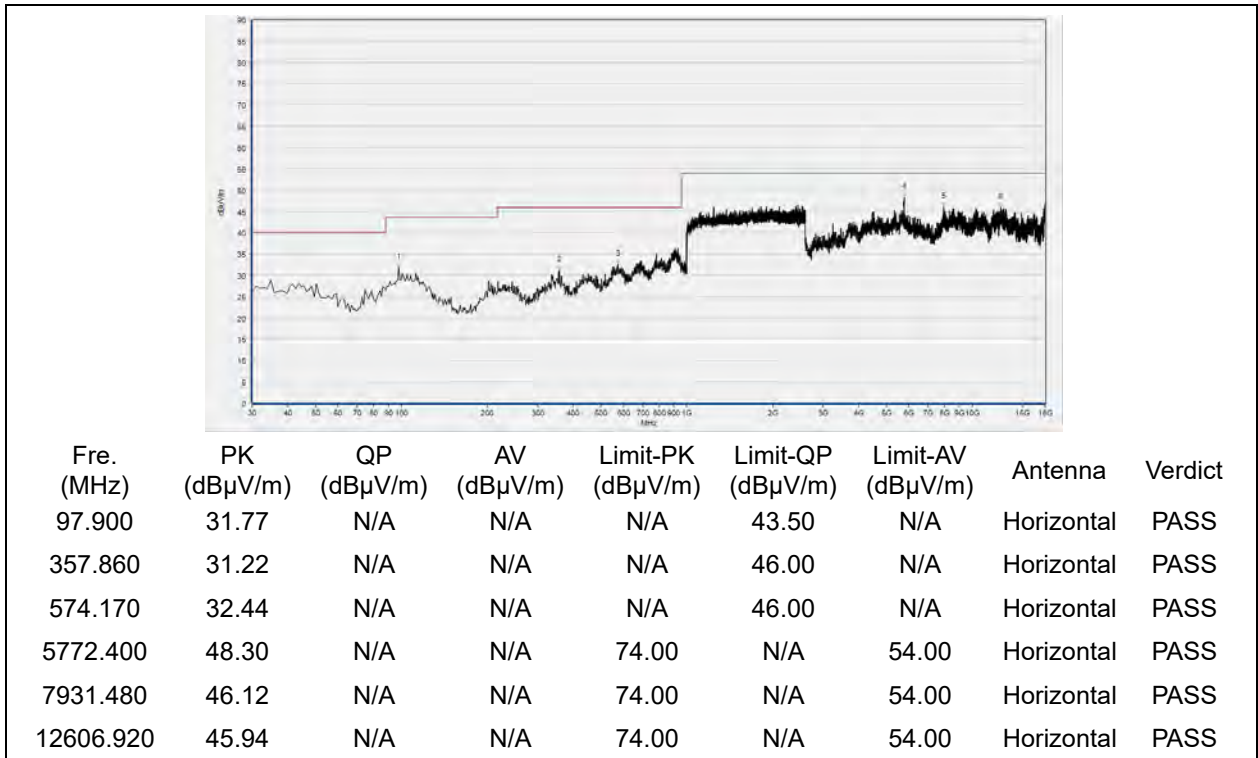


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.690	30.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
348.160	30.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
572.230	32.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5769.320	45.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7996.160	45.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12505.280	46.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

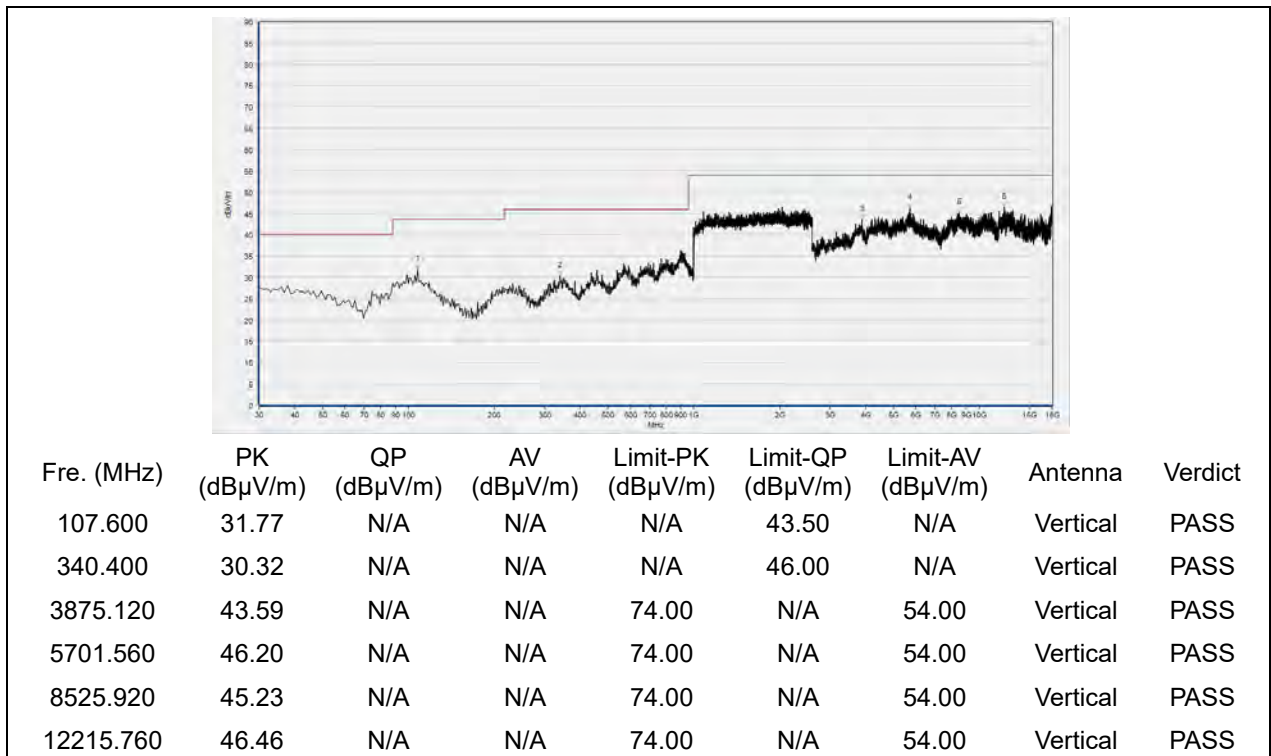
(Antenna Vertical, 30MHz to 18GHz)

**802.11ax (HEW20) RU26 Mode**

**Plot for Channel 1**

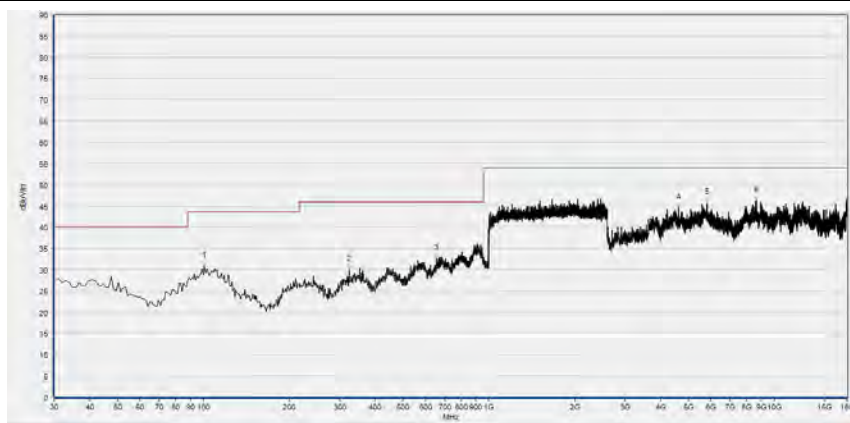


(Antenna Horizontal, 30MHz to 18GHz)



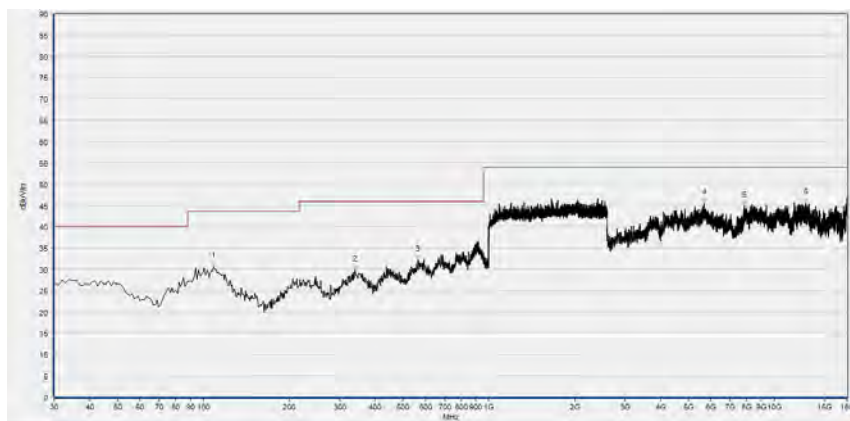
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 6



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
100.810	30.90	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
324.880	30.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
656.620	32.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
4629.720	44.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5818.600	45.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8646.040	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

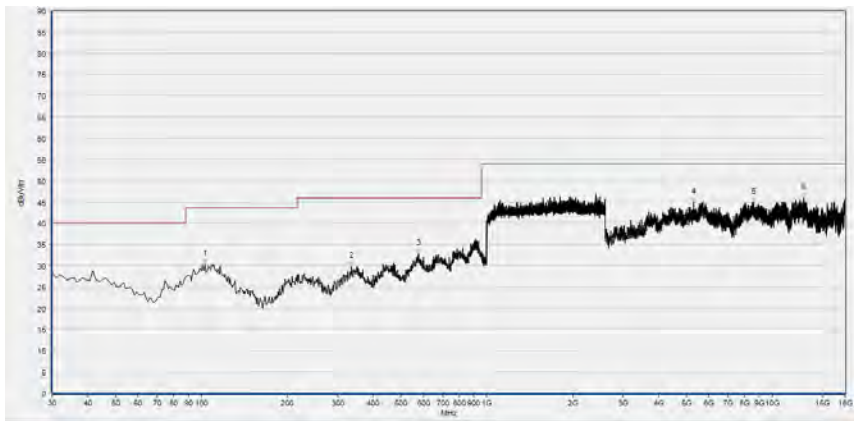
(Antenna Horizontal, 30MHz to 18GHz)



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	30.69	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
339.430	29.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
564.470	32.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5670.760	45.58	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7857.560	44.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12908.760	45.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

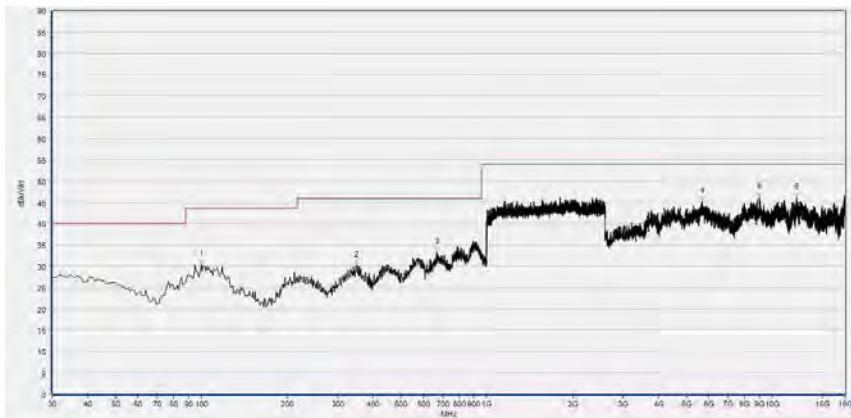
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



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	30.26	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
335.550	29.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
576.110	32.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5313.480	44.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8624.480	44.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12887.200	45.95	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
99.840	30.44	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
349.130	30.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
669.230	33.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5686.160	45.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9000.240	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12188.040	46.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power Spectral Density	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{dB}$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 2.95\text{dB}$
Conducted Emission	$\pm 2.44\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .





## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Attenuator 1	(N/A.)	10dB	Resent	N/A	N/A
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2022.03.01	2023.02.28
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2022.10.11	2023.10.10
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Computer	T430i	Think Pad	Lenovo	N/A	N/A

##### 4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2022.03.03	2023.03.02
LISN	8127449	NSLK 8127	Schwarzbeck	2022.03.03	2023.03.02
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2022.07.06	2023.07.05
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2022.07.08	2023.07.07
NOTEBOOK	DF2DR A01 DPC	VOSTRO 5370	DELL	N/A	N/A
ADAPTER	OKXTTW	LA45NM140	DELL	N/A	N/A

##### 4.3 List of Software Used

Description	Manufacturer	Software Version
Test System	Townsend	V2.5.77.0418
MORLAB EMCR V1.2	MORLAB	V1.0
TS+ -[JS32-CE]	Tonscend	V2.5.0.0

**4.4 Radiated Test Equipments**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2022.07.06	2023.07.05
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2022.05.25	2025.05.24
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2022.02.11	2025.02.10
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2022.07.13	2025.07.12
Test Antenna – Horn	BBHA9170#773	BBHA 9170	Schwarzbeck	2022.07.14	2025.07.13
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2022.07.08	2023.07.07
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2022.07.08	2023.07.07
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2022.07.23	2023.07.22
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2022.07.08	2023.07.07
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2022.07.08	2023.07.07
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-N N-5	Qualwave	2022.07.08	2023.07.07
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	2022.07.08	2023.07.07
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05

END OF REPORT