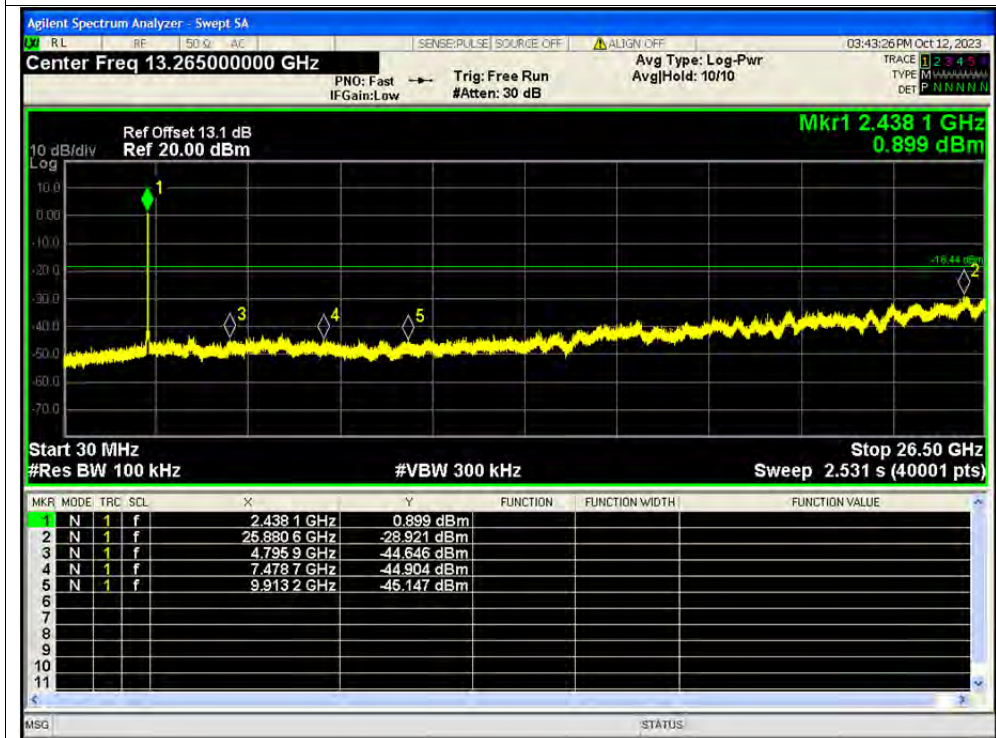




Tx. Spurious NVNT n40 2442MHz Ant1 Ref



Tx. Spurious NVNT n40 2442MHz Ant1 Emission

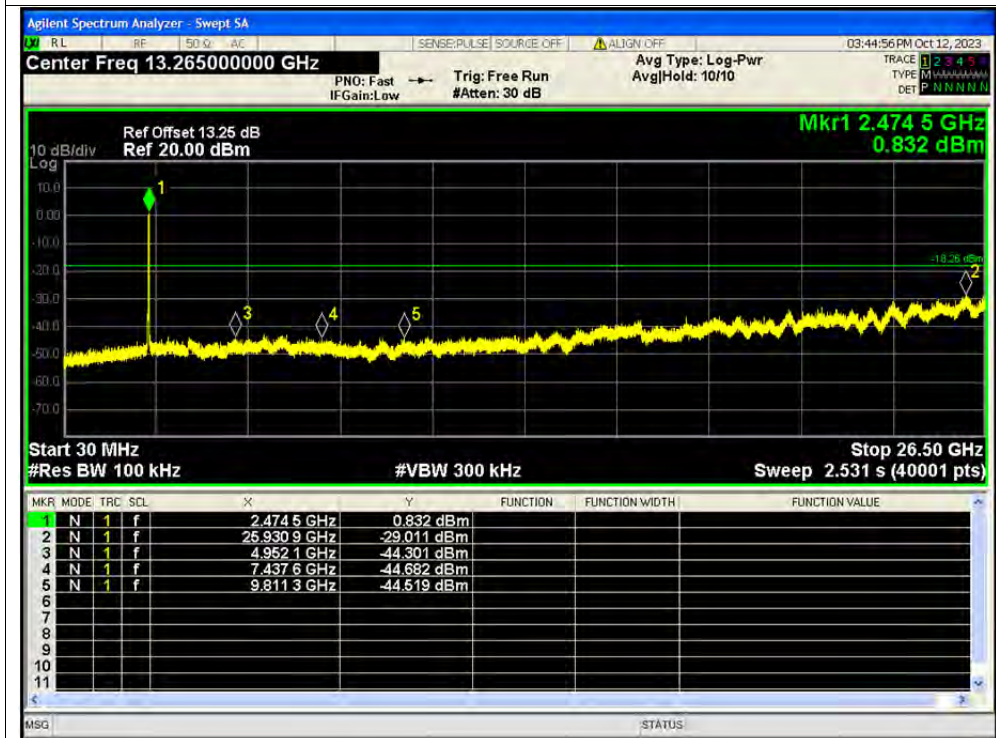




Tx. Spurious NVNT n40 2462MHz Ant1 Ref



Tx. Spurious NVNT n40 2462MHz Ant1 Emission





**A.6. Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.28	-20	Pass
NVNT	b	2472	Ant1	-48.99	-20	Pass
NVNT	g	2412	Ant1	-33.45	-20	Pass
NVNT	g	2472	Ant1	-33.98	-20	Pass
NVNT	n20	2412	Ant1	-35.21	-20	Pass
NVNT	n20	2472	Ant1	-33.01	-20	Pass
NVNT	n40	2422	Ant1	-36.96	-20	Pass
NVNT	n40	2462	Ant1	-36.16	-20	Pass

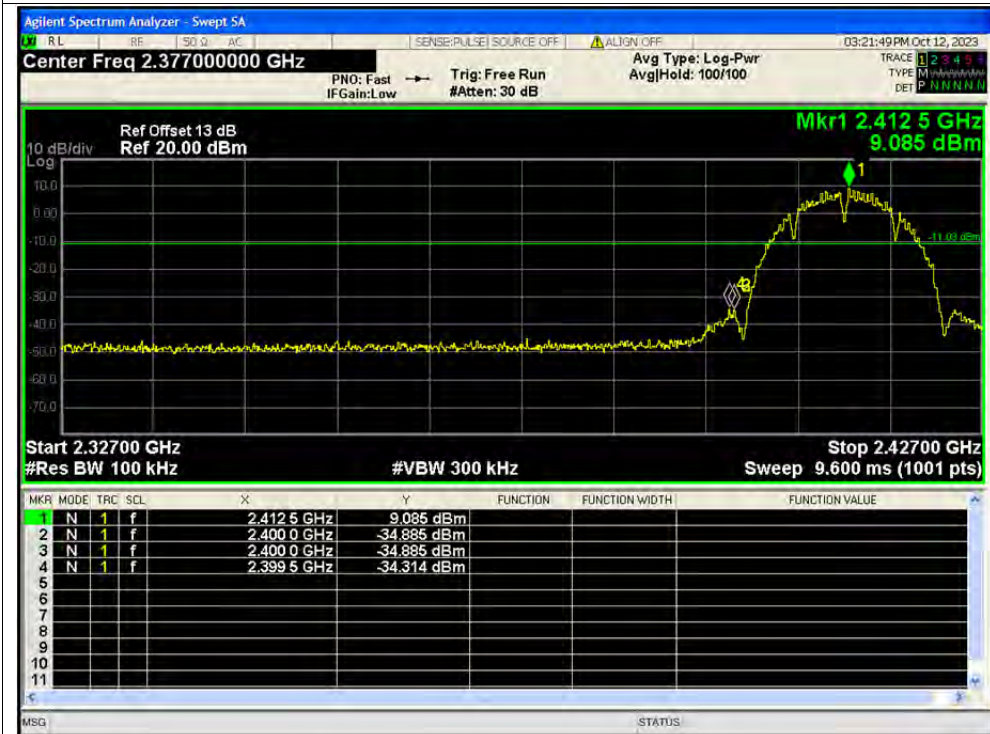


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission

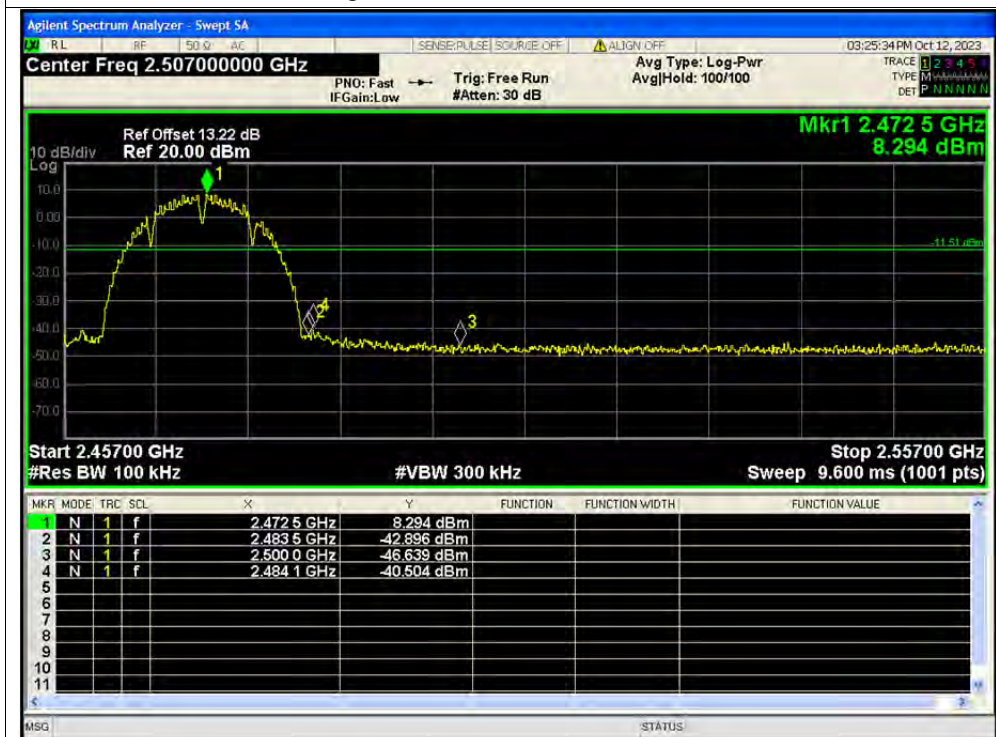




Band Edge NVNT b 2472MHz Ant1 Ref

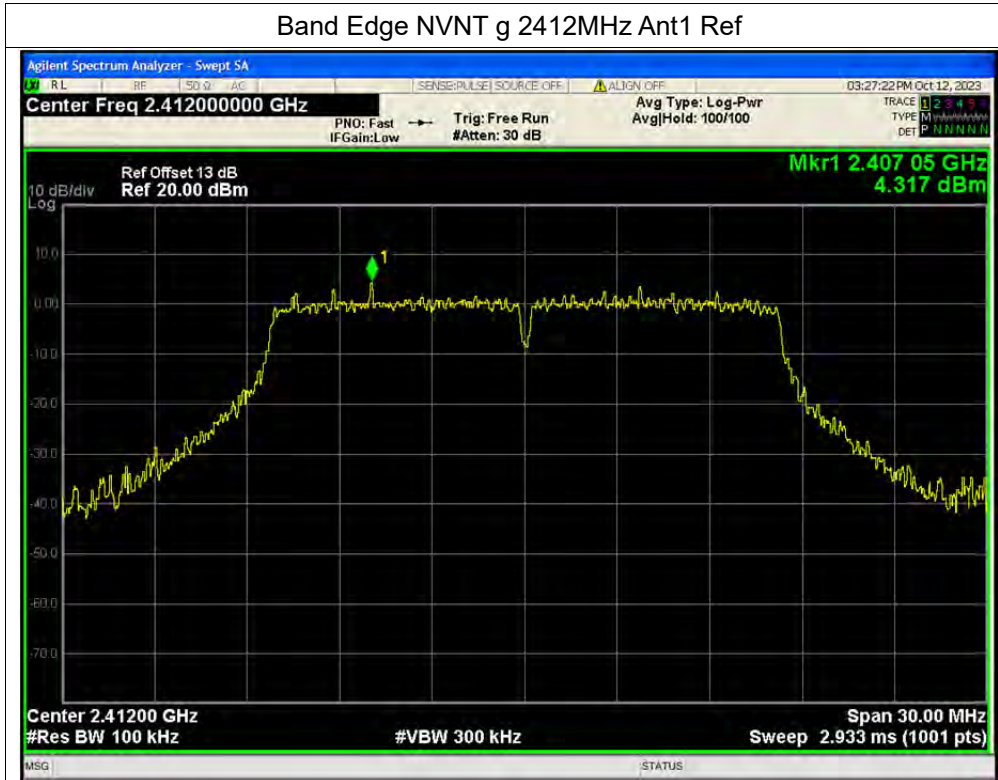


Band Edge NVNT b 2472MHz Ant1 Emission

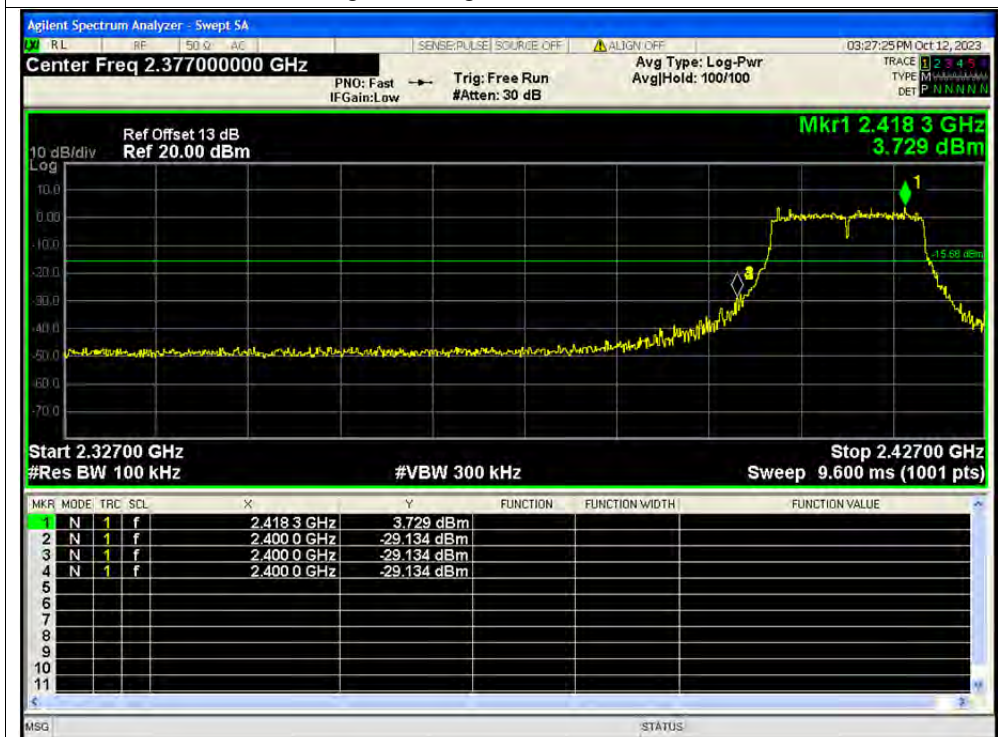




Band Edge NVNT g 2412MHz Ant1 Ref

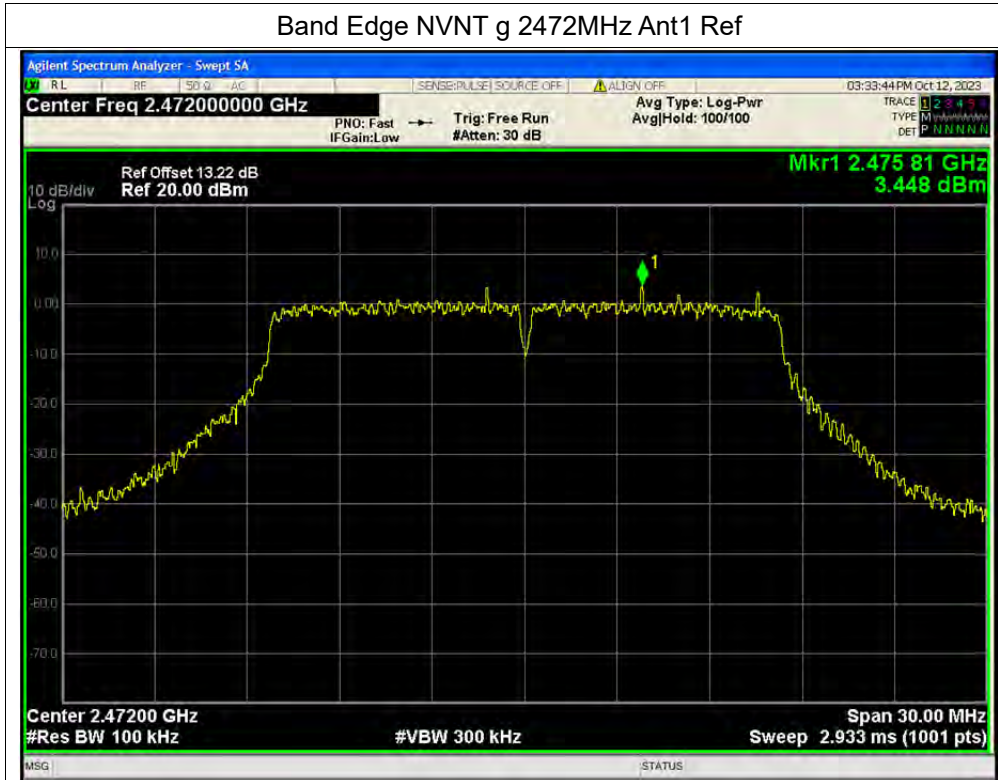


Band Edge NVNT g 2412MHz Ant1 Emission

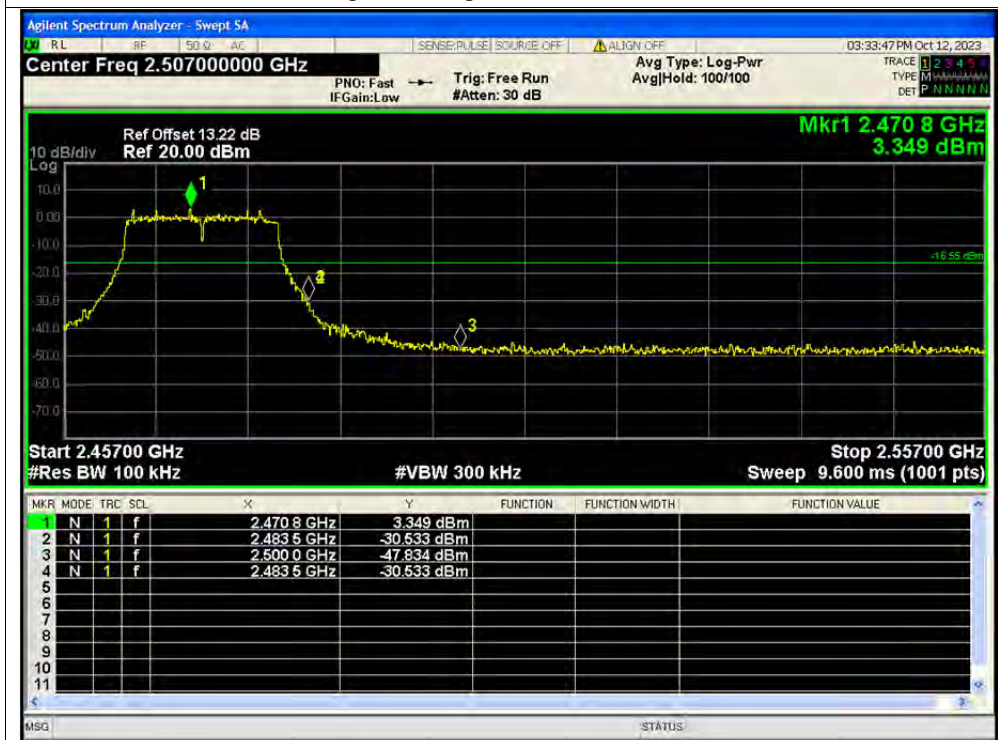




Band Edge NVNT g 2472MHz Ant1 Ref



Band Edge NVNT g 2472MHz Ant1 Emission

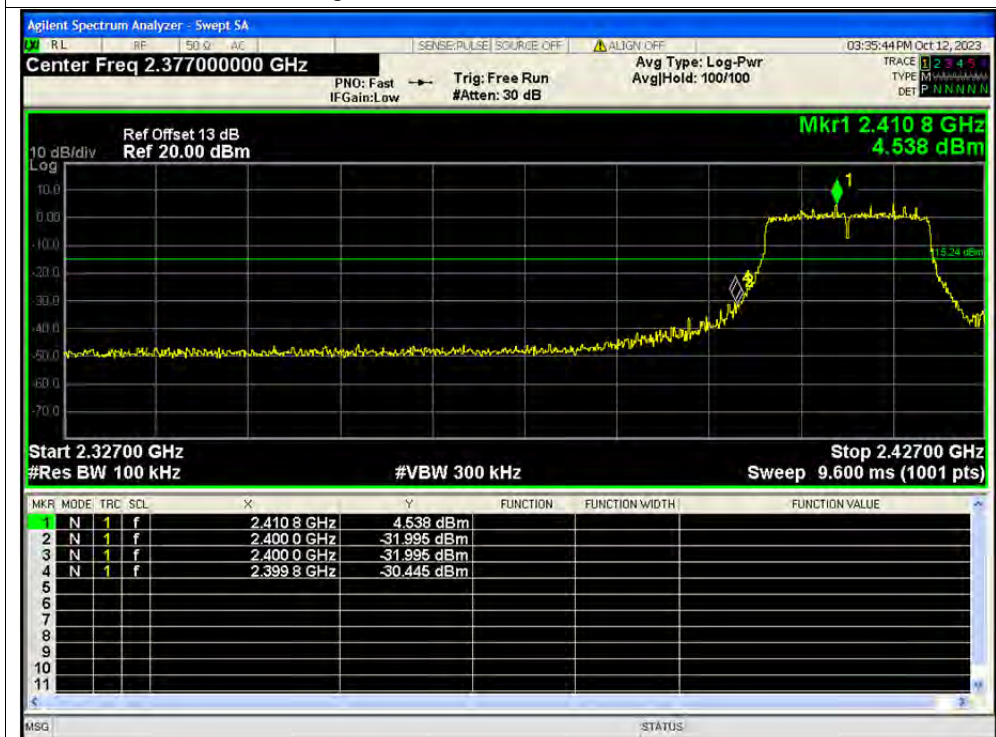




Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission







Band Edge NVNT n20 2472MHz Ant1 Ref

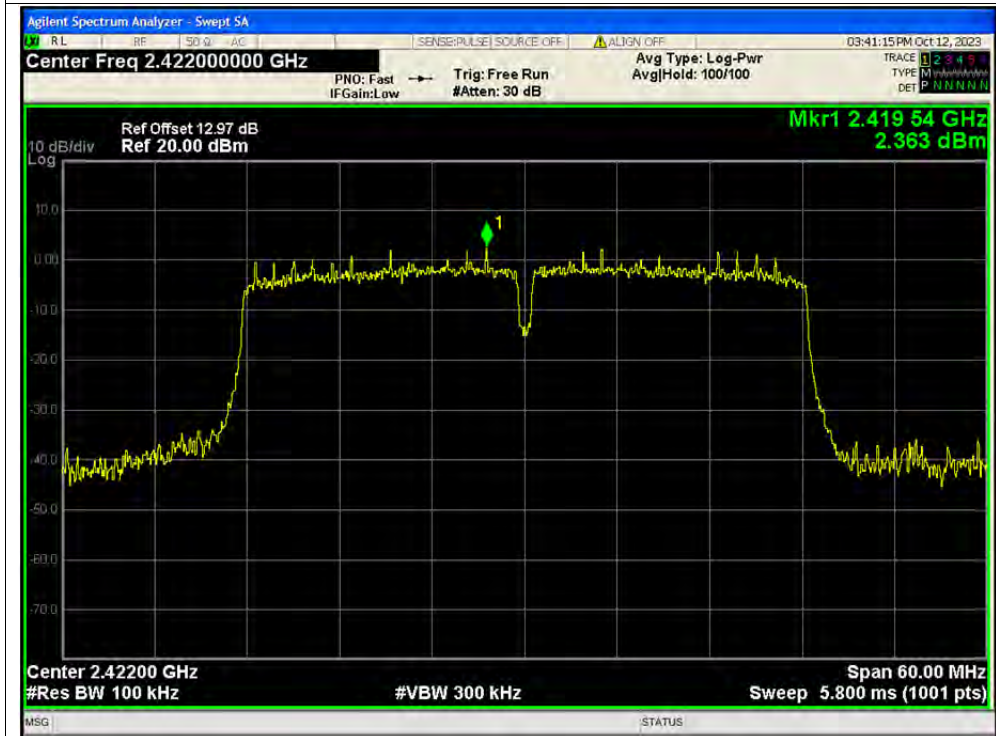


Band Edge NVNT n20 2472MHz Ant1 Emission

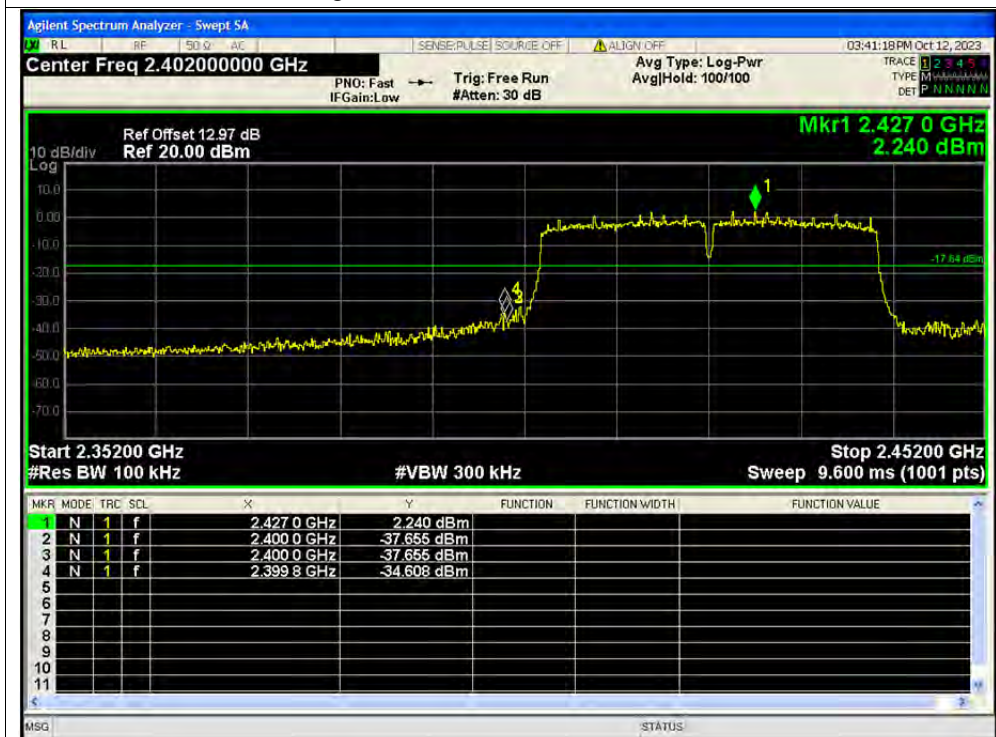




Band Edge NVNT n40 2422MHz Ant1 Ref



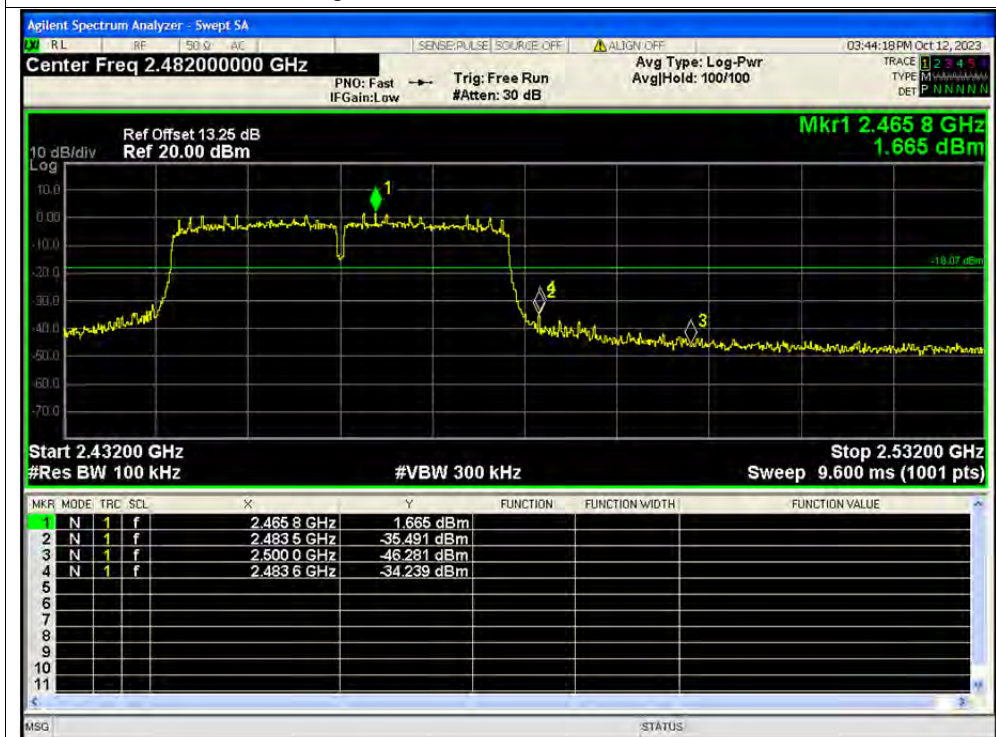
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2462MHz Ant1 Ref



Band Edge NVNT n40 2462MHz Ant1 Emission





## A.7. Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-4.88	0	-4.88	8	Pass
NVNT	b	2442	Ant1	-5.36	0	-5.36	8	Pass
NVNT	b	2472	Ant1	-3.79	0	-3.79	8	Pass
NVNT	g	2412	Ant1	-9.74	0	-9.74	8	Pass
NVNT	g	2442	Ant1	-9.82	0	-9.82	8	Pass
NVNT	g	2472	Ant1	-10.86	0	-10.86	8	Pass
NVNT	n20	2412	Ant1	-9.92	0	-9.92	8	Pass
NVNT	n20	2442	Ant1	-10.93	0	-10.93	8	Pass
NVNT	n20	2472	Ant1	-10.69	0	-10.69	8	Pass
NVNT	n40	2422	Ant1	-12.5	0	-12.5	8	Pass
NVNT	n40	2442	Ant1	-13.72	0	-13.72	8	Pass
NVNT	n40	2462	Ant1	-13.4	0	-13.4	8	Pass



Test Graphs

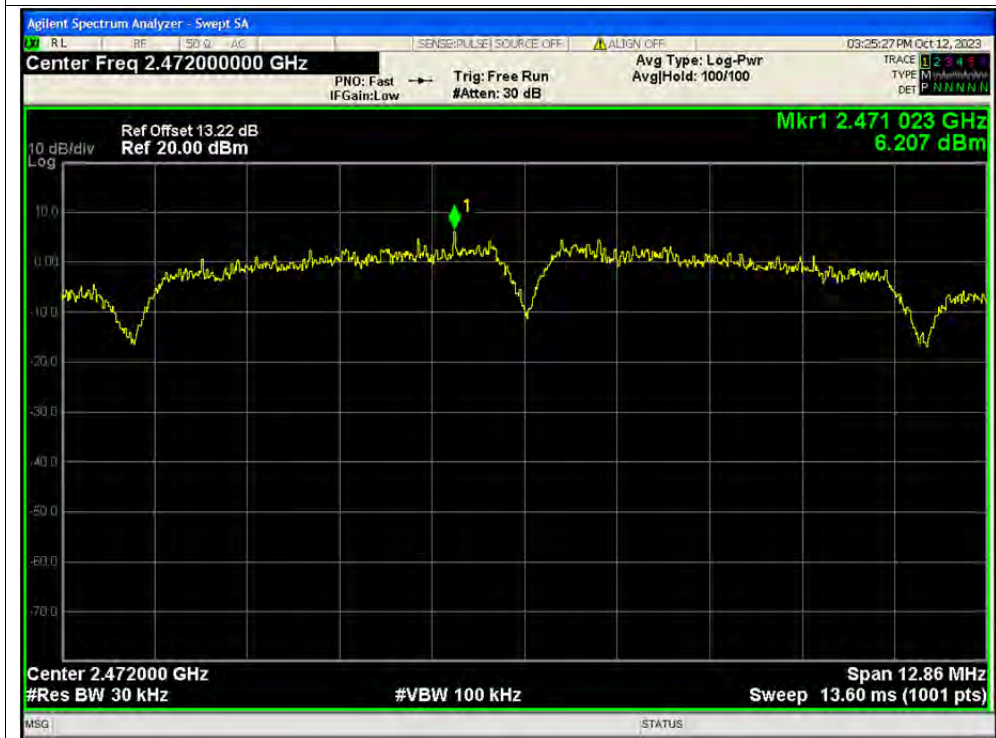
PSD NVNT b 2412MHz Ant1



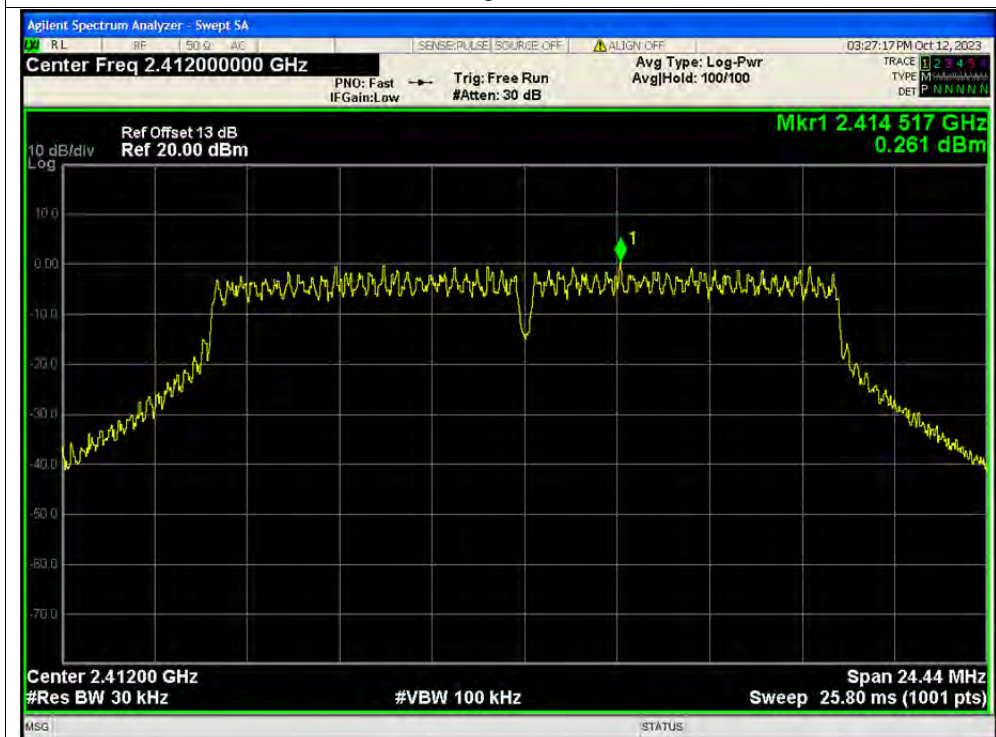
PSD NVNT b 2442MHz Ant1



PSD NVNT b 2472MHz Ant1

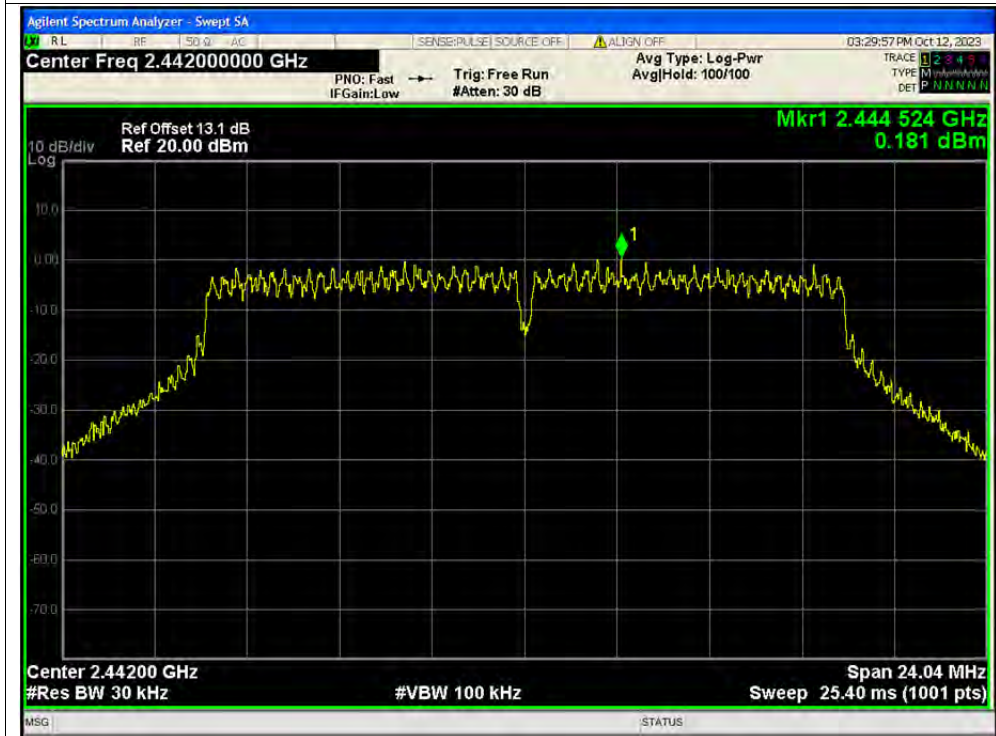


PSD NVNT g 2412MHz Ant1

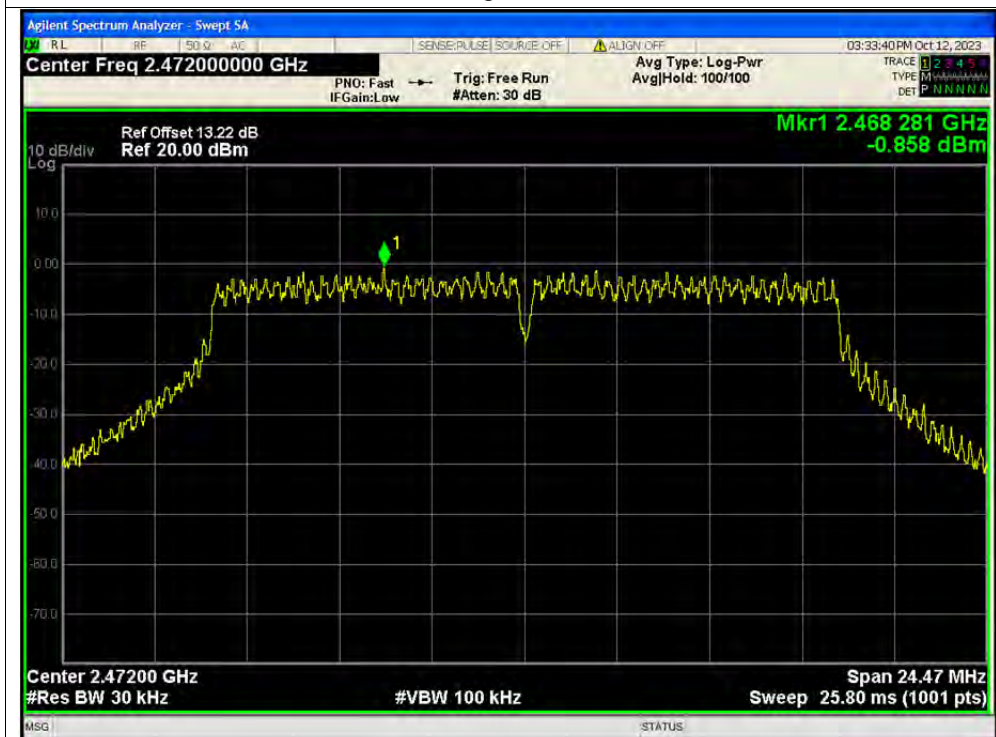




PSD NVNT g 2442MHz Ant1

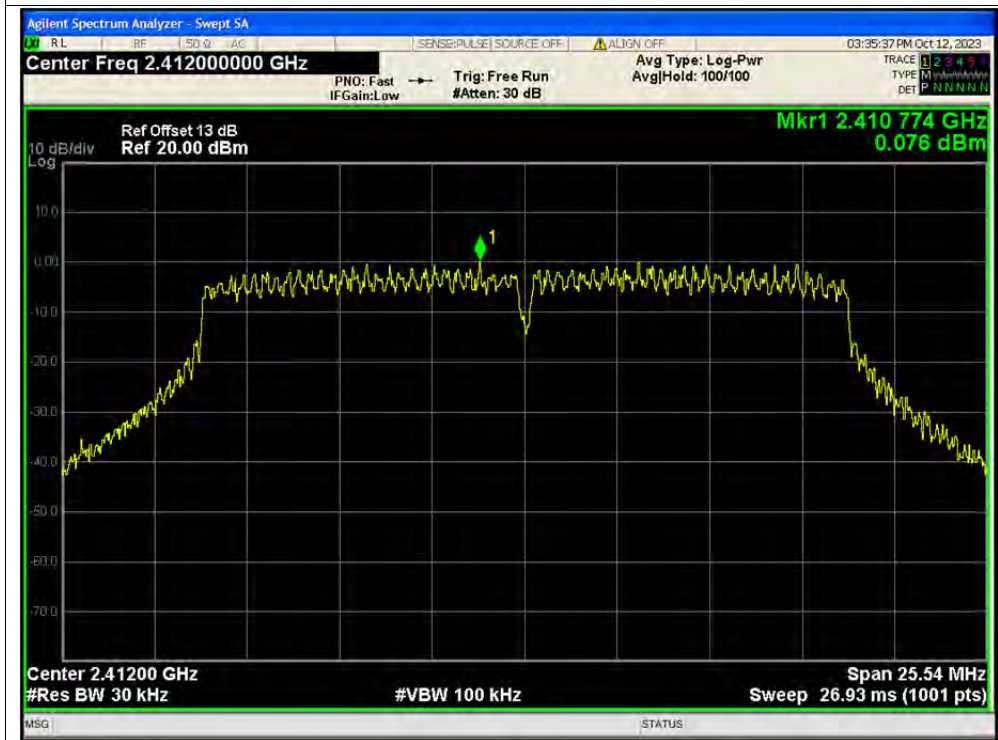


PSD NVNT g 2472MHz Ant1

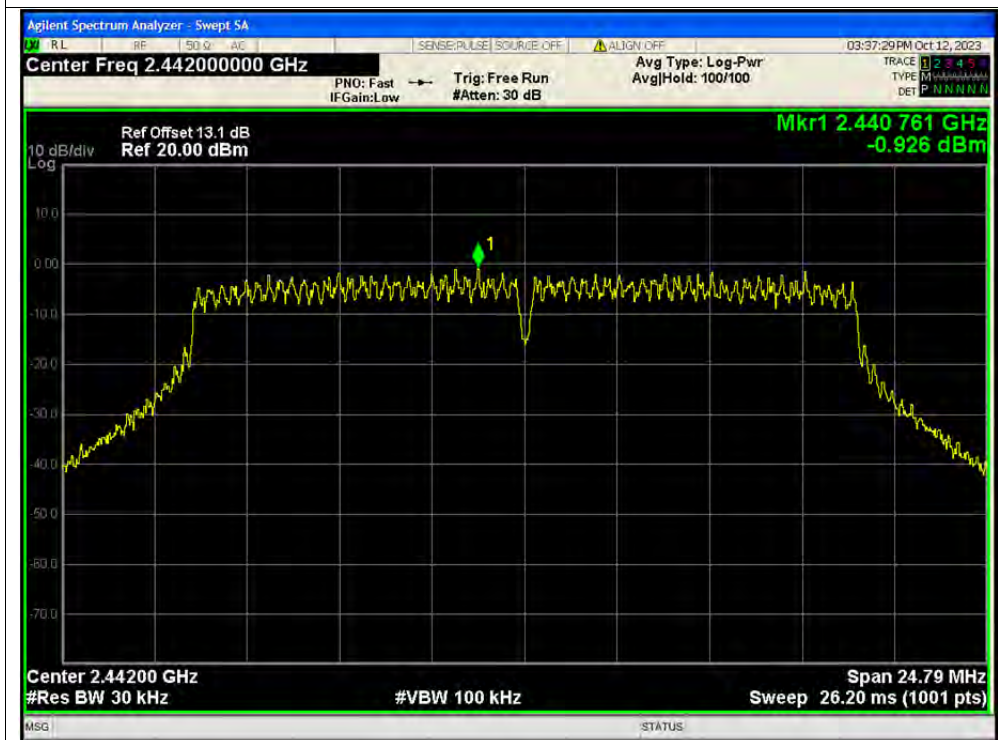




PSD NVNT n20 2412MHz Ant1



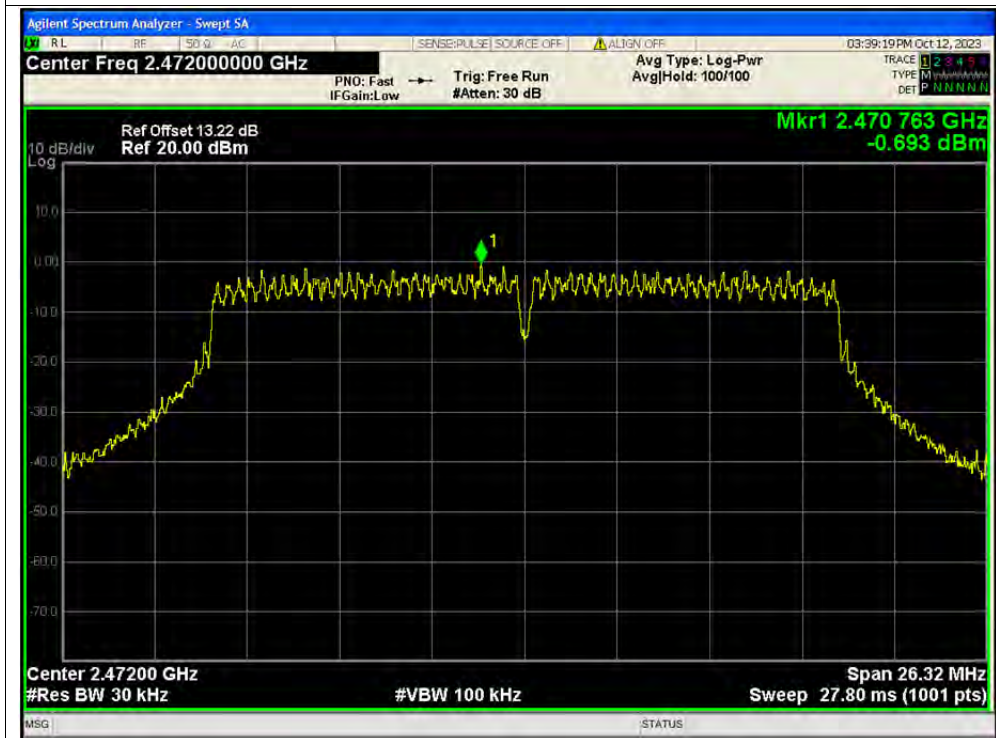
PSD NVNT n20 2442MHz Ant1



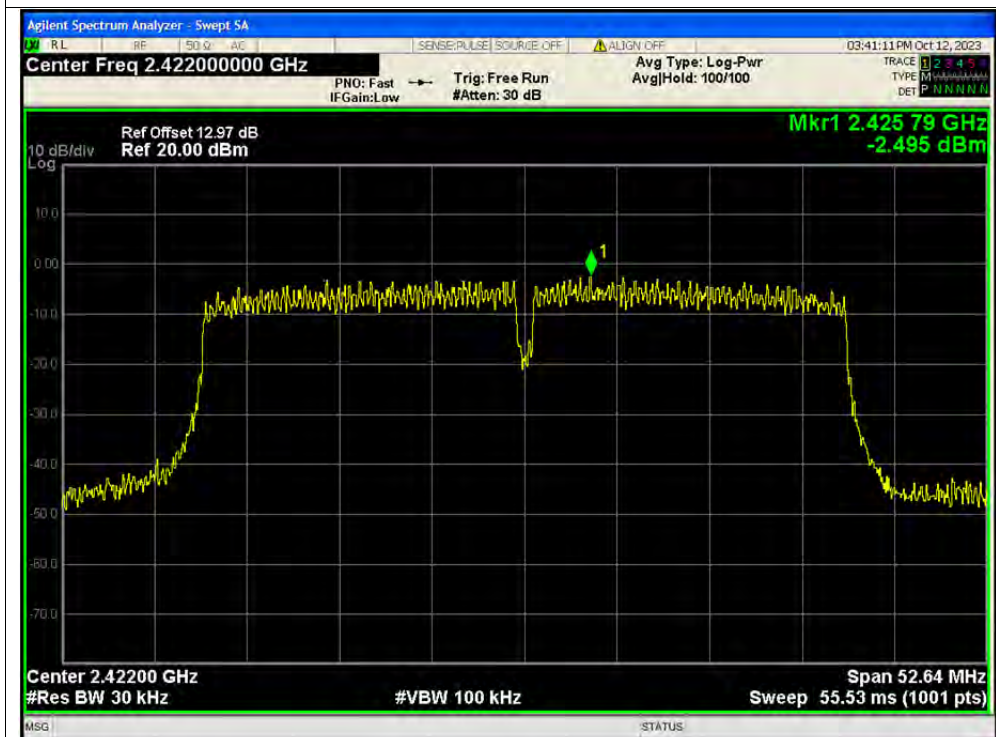




PSD NVNT n20 2472MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2442MHz Ant1



PSD NVNT n40 2462MHz Ant1





### A.8. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

**Note:** Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

#### A. Test Setup:

Test Mode: EUT + PC Adapter + PC + WIFI TX

Test voltage: AC 120V/60Hz

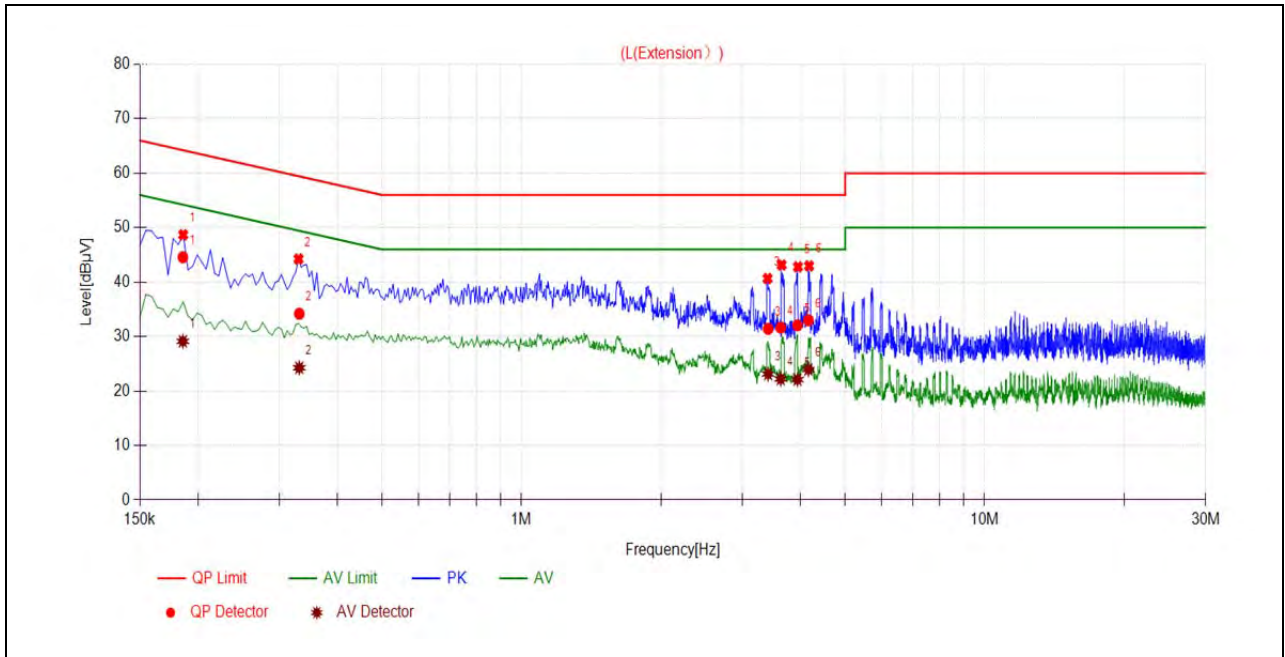
The measurement results are obtained as below:

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

$U_R$ : Receiver Reading

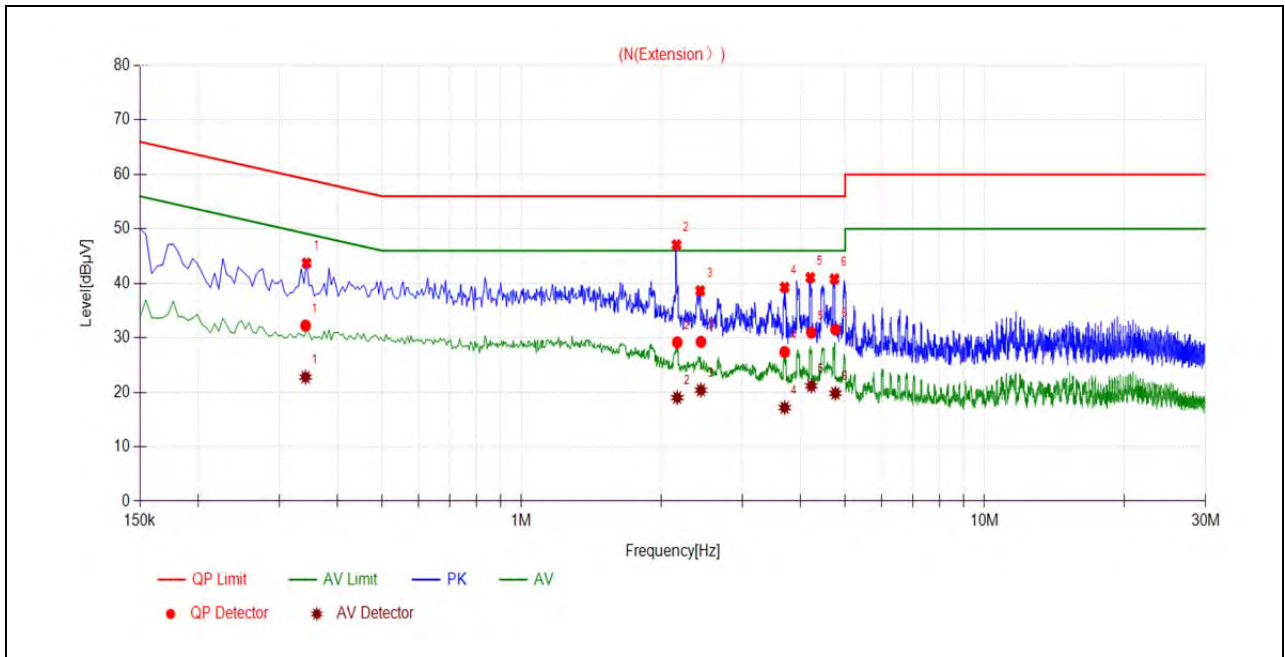
$A_{\text{Factor}}$ : Voltage division factor of LISN

**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1857	44.57	29.14	64.23	54.23	Line	PASS
2	0.3312	34.20	24.27	59.42	49.42		PASS
3	3.4080	31.43	23.12	56.00	46.00		PASS
4	3.6284	31.64	22.20	56.00	46.00		PASS
5	3.9431	32.07	22.10	56.00	46.00		PASS
6	4.1634	32.99	23.96	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	0.3418	32.24	22.79	59.16	49.16	Neutral	PASS
2	2.1693	29.17	19.02	56.00	46.00		PASS
3	2.4399	29.26	20.41	56.00	46.00		PASS
4	3.6998	27.40	17.19	56.00	46.00		PASS
5	4.2243	30.96	21.17	56.00	46.00		PASS
6	4.7625	31.52	19.82	56.00	46.00		PASS

**A.9. 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

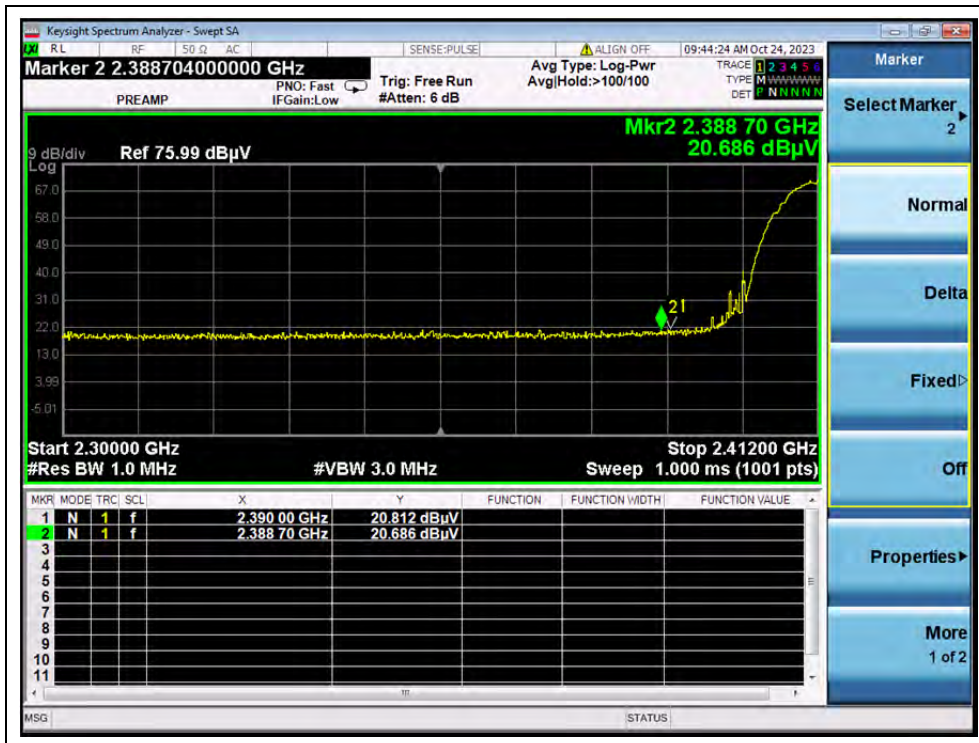
$G_{\text{preamp}}$ : Preamplifier Gain

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

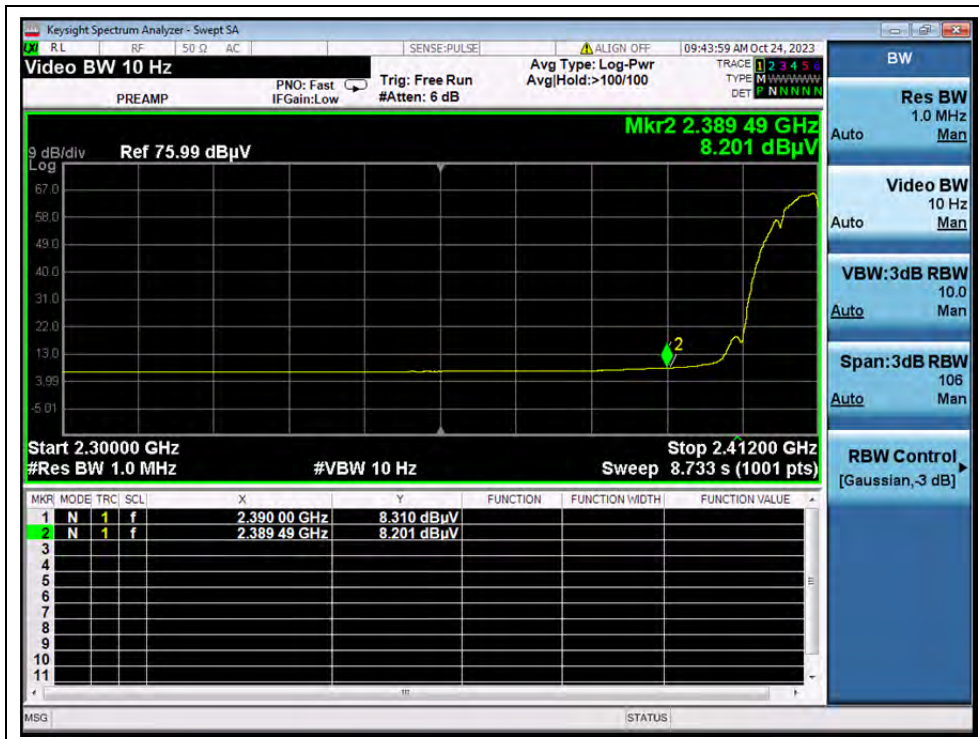
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

**802.11b Mode**

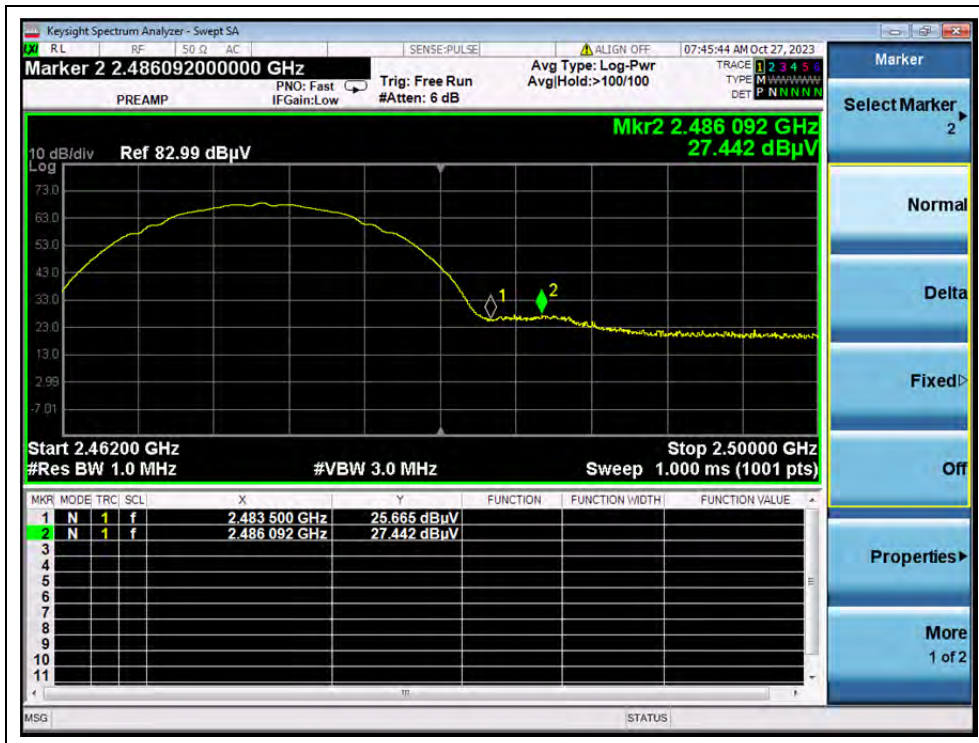
Channel	Frequency (MHz)	Detector	Receiver Reading	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV	$U_R$ (dB $\mu$ V)					
1	2390.00	PK	20.81	6.74	27.20	54.75	74	PASS
1	2390.00	AV	8.31	6.74	27.20	42.25	54	PASS
13	2486.09	PK	27.44	6.74	27.20	61.38	74	PASS
13	2486.66	AV	18.67	6.74	27.20	52.61	54	PASS



(PEAK, Channel 1, 802.11b)



(AVERAGE, Channel 1, 802.11b)



(PEAK, Channel 13, 802.11b)



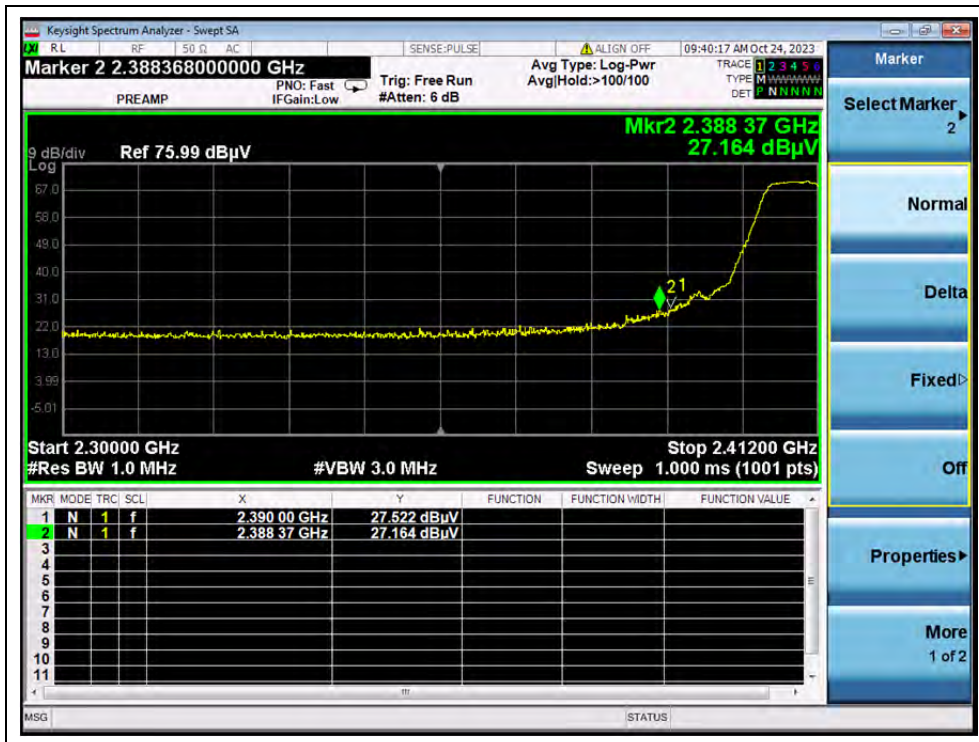
(AVERAGE, Channel 13, 802.11b)



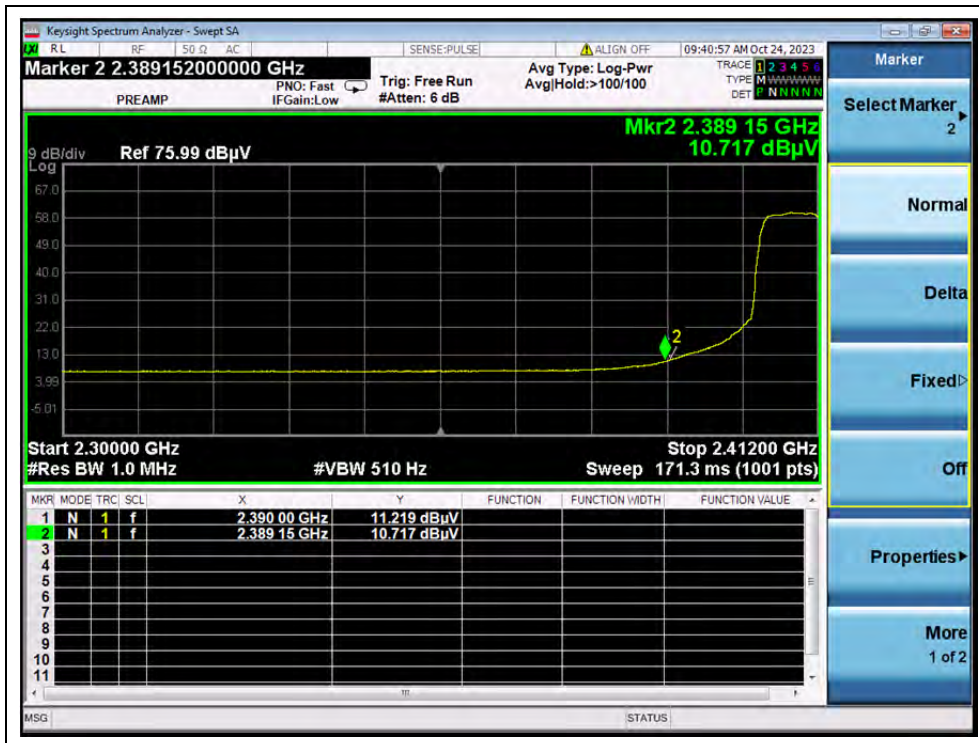


802.11g Mode

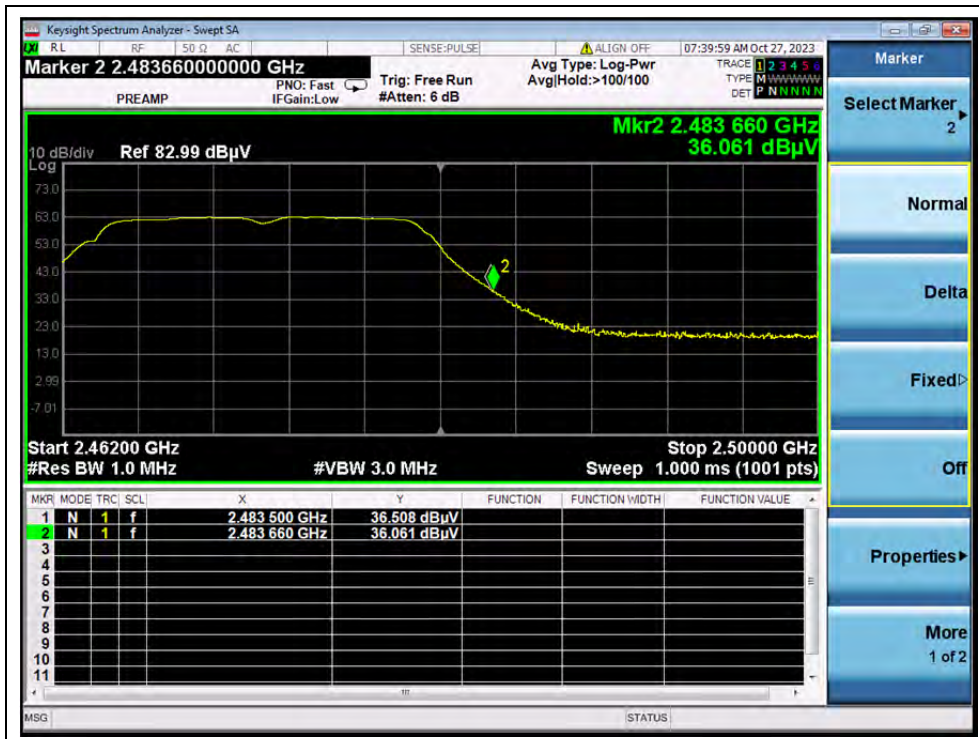
Channel	Frequency (MHz)	Detector	Receiver Reading	A <sub>T</sub> (dB)	A <sub>Factor</sub> (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV	U <sub>R</sub> (dBμV)					
1	2390.00	PK	27.52	6.74	27.20	61.46	74	PASS
1	2390.00	AV	11.22	6.74	27.20	45.16	54	PASS
13	2483.50	PK	36.51	6.74	27.20	70.45	74	PASS
13	2483.50	AV	14.38	6.74	27.20	48.32	54	PASS



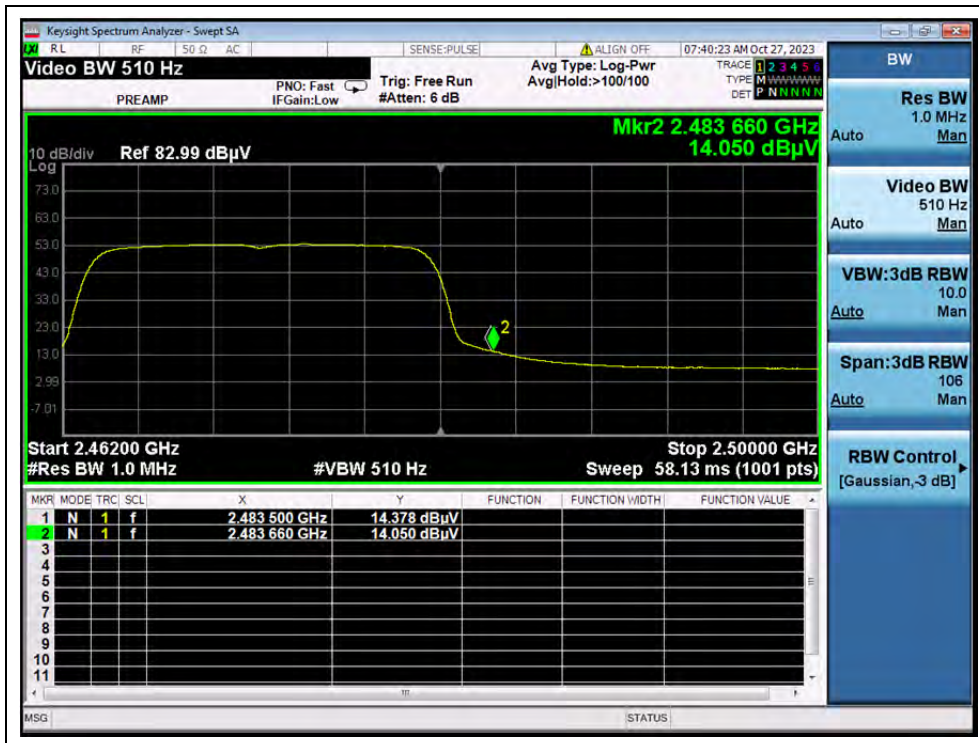
(PEAK, Channel 1, 802.11g)



(AVERAGE, Channel 1, 802.11g)



(PEAK, Channel 13, 802.11g)

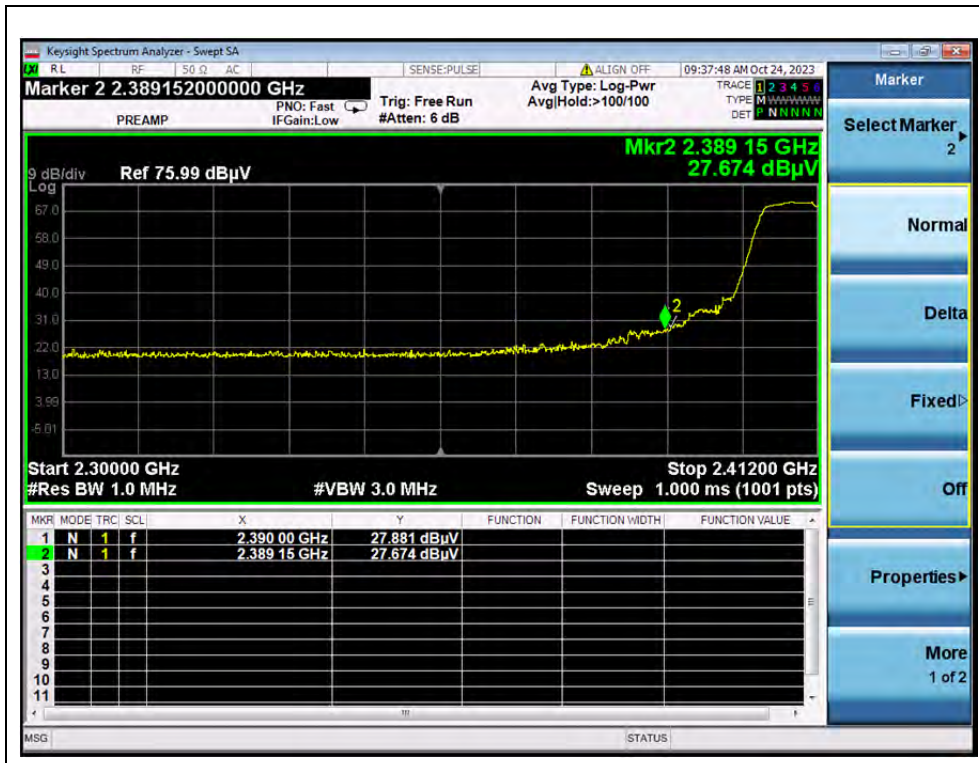


(AVERAGE, Channel 13, 802.11g)

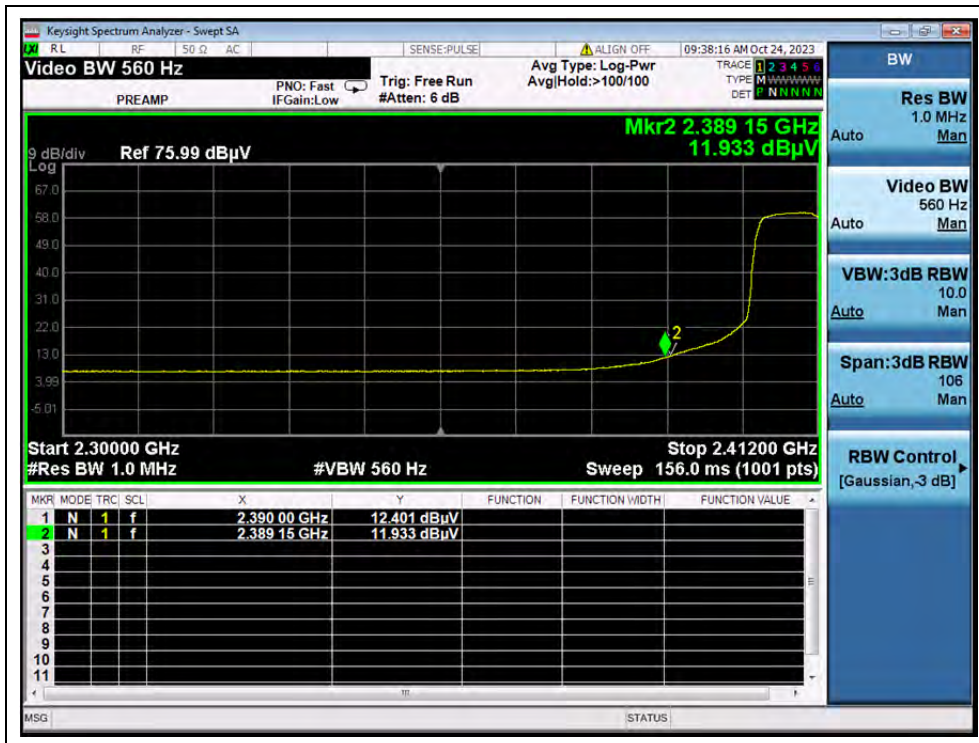


**802.11n(HT20) Mode**

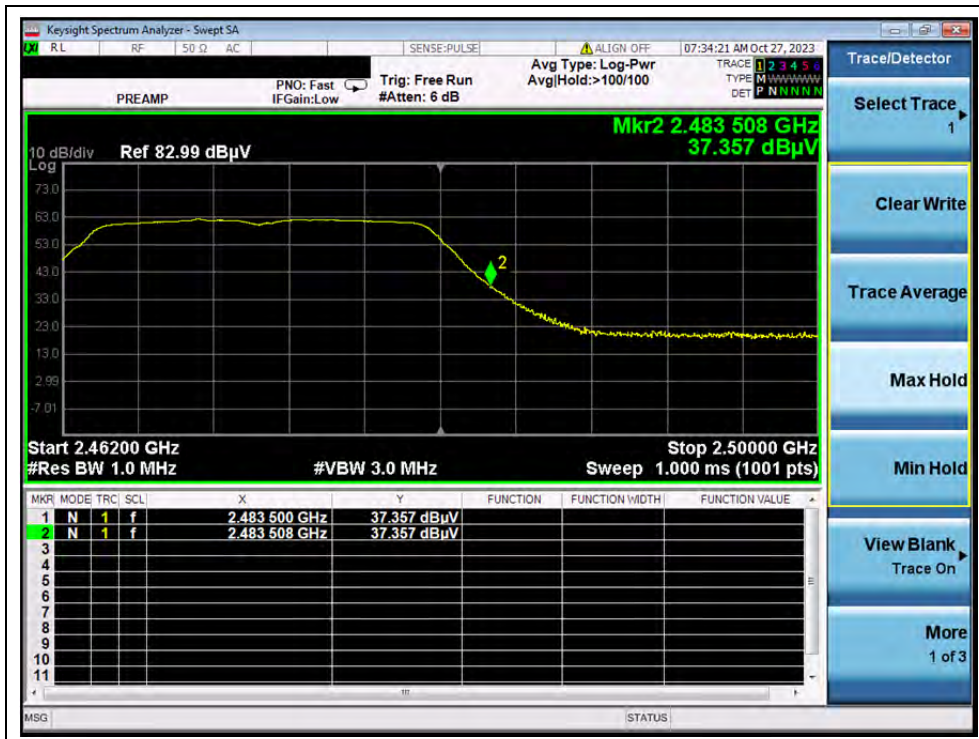
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
1	2390.00	PK	27.88	6.74	27.20	61.82	74	PASS
1	2390.00	AV	12.40	6.74	27.20	46.34	54	PASS
13	2483.50	PK	37.36	6.74	27.20	71.30	74	PASS
13	2483.50	AV	14.03	6.74	27.20	47.97	54	PASS



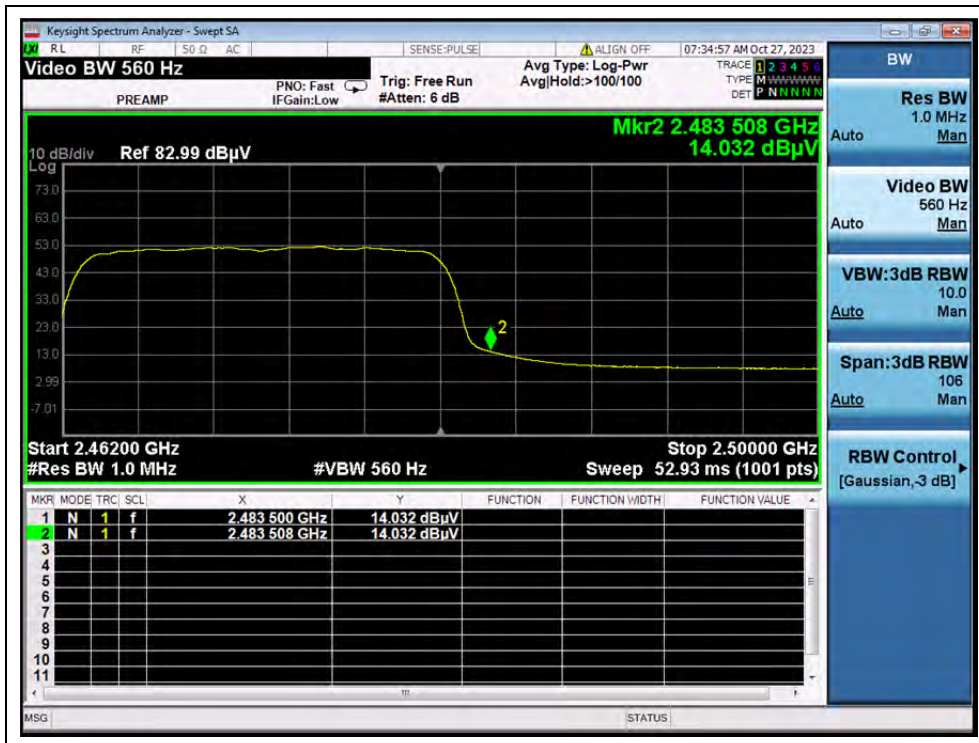
(PEAK, Channel 1, 802.11n(HT20))



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



(PEAK, Channel 13, 802.11n(HT20))

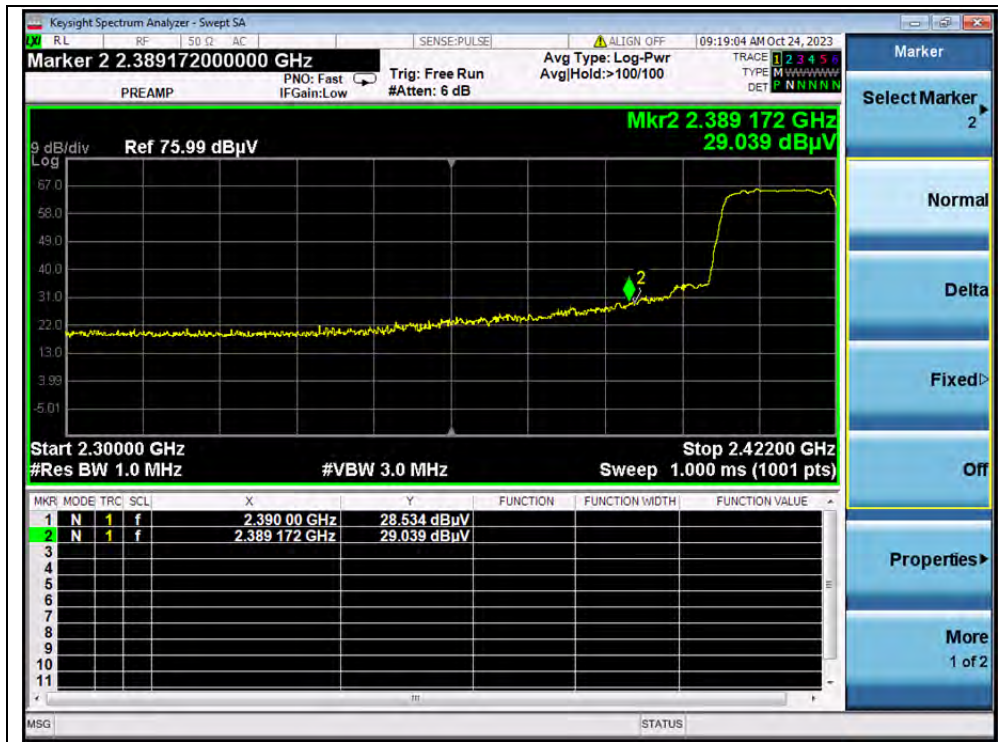


(AVERAGE, Channel 13, 802.11n(HT20))

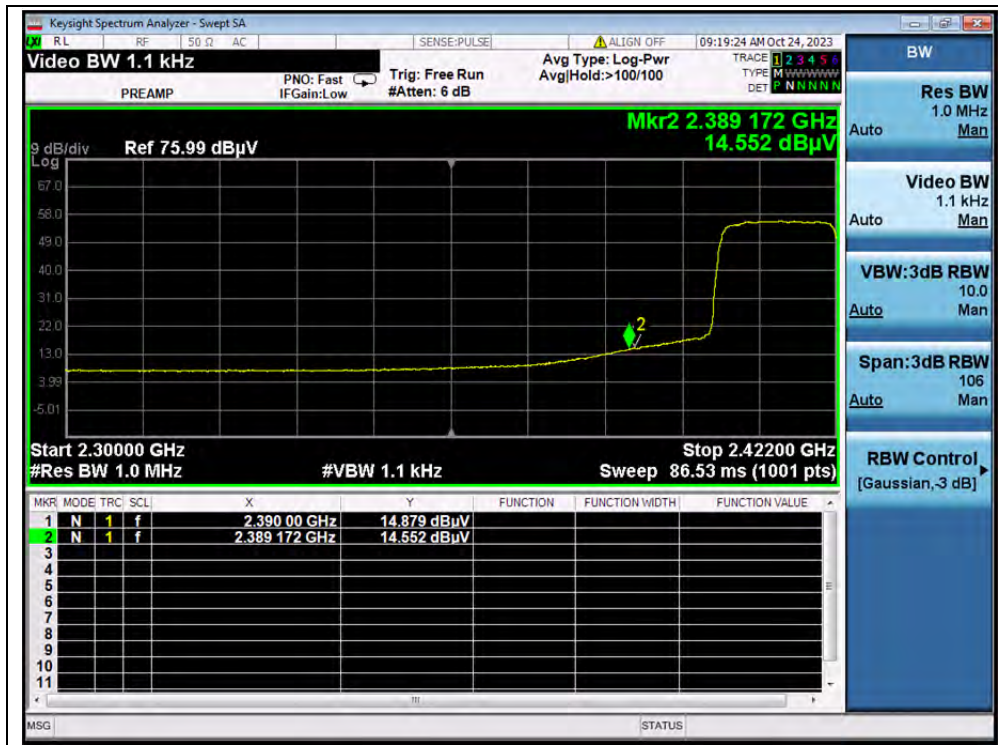


**802.11n(HT40) Mode**

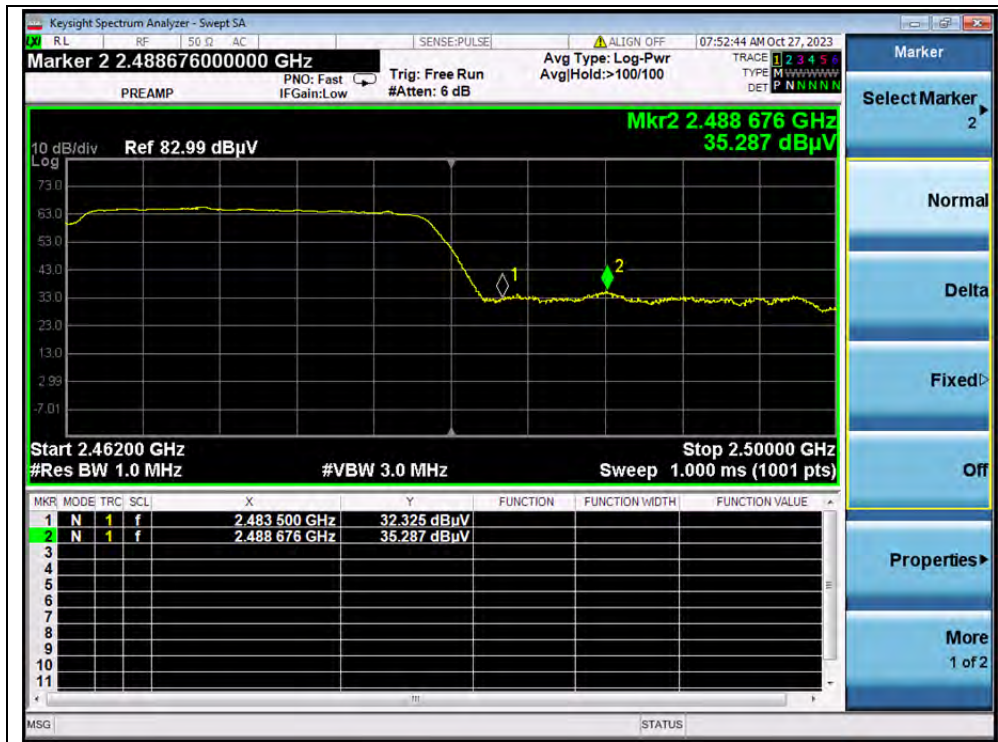
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
3	2389.17	PK	29.04	6.74	27.20	62.98	74	PASS
3	2390.00	AV	14.88	6.74	27.20	48.82	54	PASS
11	2488.68	PK	35.29	6.74	27.20	69.23	74	PASS
11	2486.28	AV	15.48	6.74	27.20	49.42	54	PASS



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

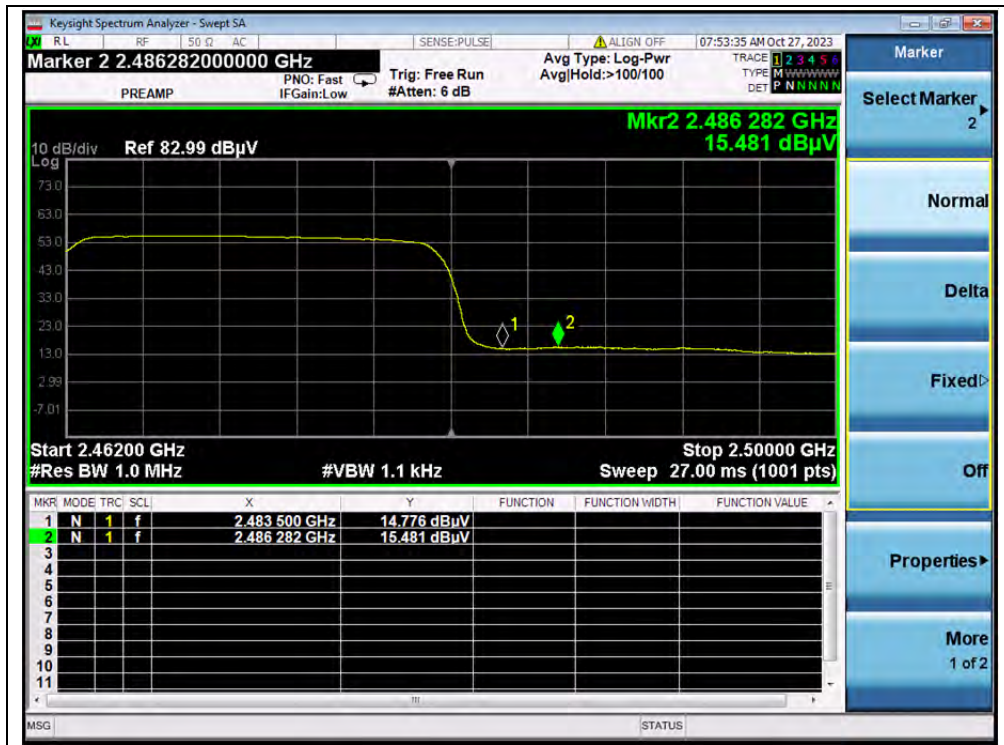


(AVERAGE, Channel 3, 802.11n(HT40))



(PEAK, Channel 11, 802.11n(HT40))





(AVERAGE, Channel 11, 802.11n(HT40))



### A.10. 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

$G_{\text{preamp}}$ : 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.

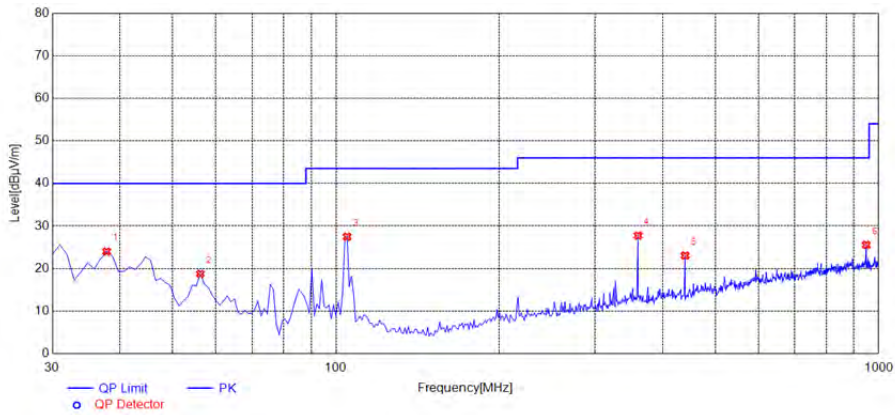
**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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



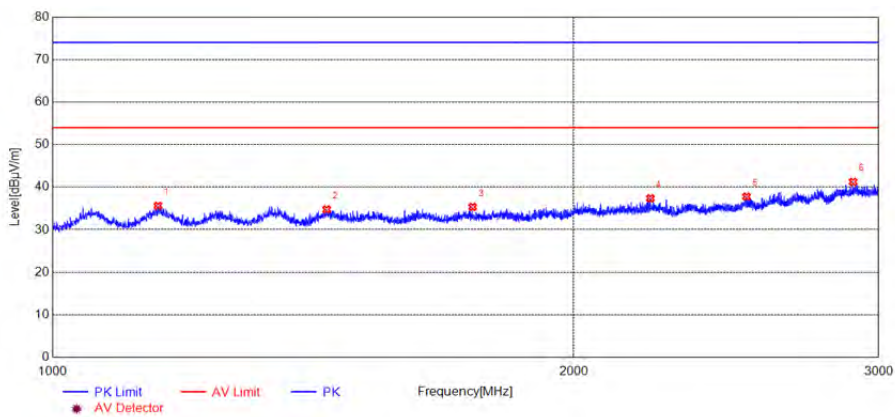
**802.11b Mode**

**Plot for Channel 1**



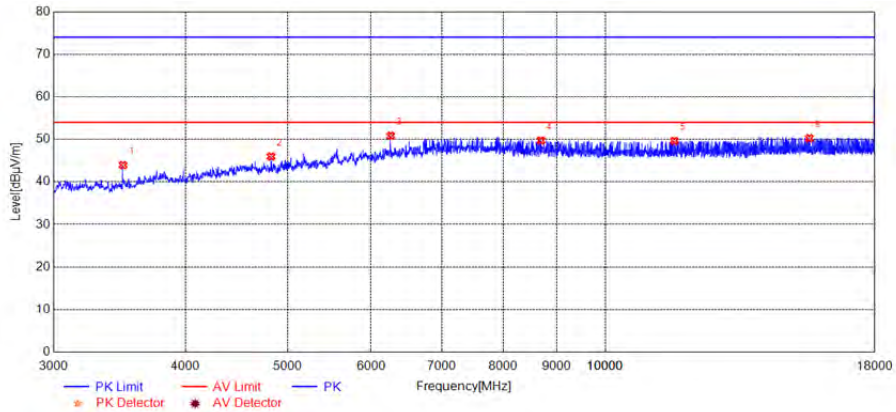
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	23.99	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
56.2162	18.74	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	27.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	27.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	23.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
948.5385	25.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



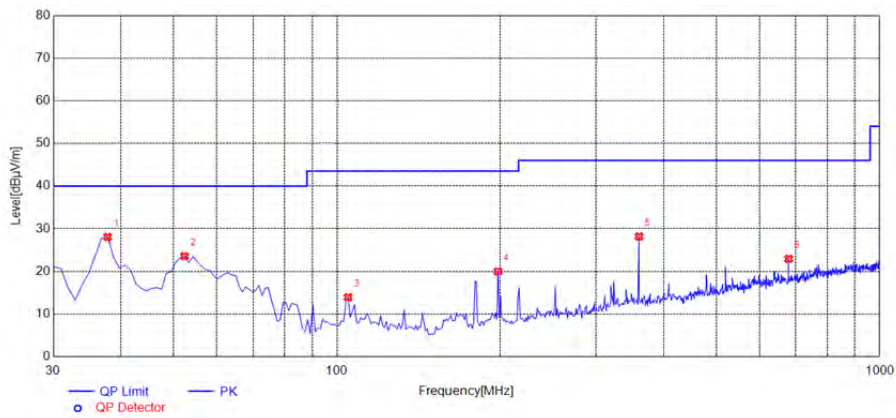
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
1150.6918	35.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1440.0733	34.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1748.4581	35.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2214.5358	37.38	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2516.5861	37.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2899.6499	41.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



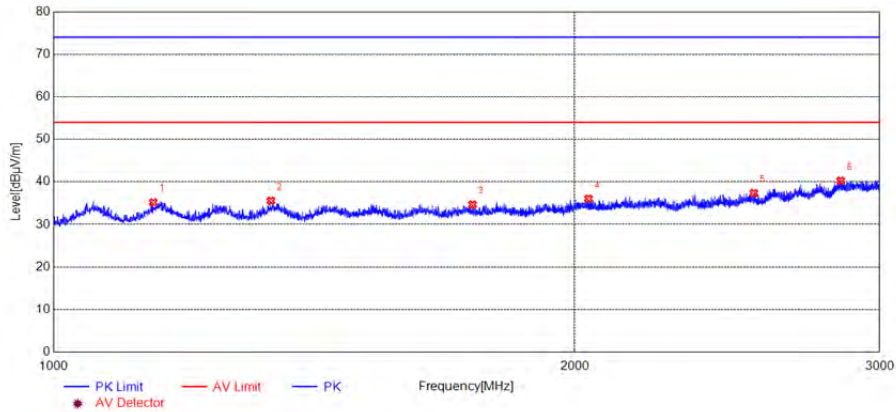
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3492.0984	43.96	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4824.3649	45.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8692.1384	49.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11626.7253	49.63	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15608.5217	50.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



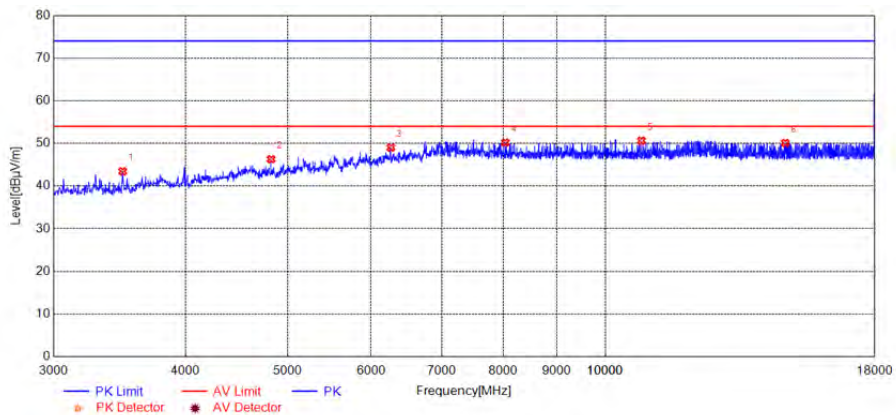
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.04	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	23.55	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	13.91	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.18	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	22.96	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1142.0237	35.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1335.3892	35.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1745.7910	34.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2036.8395	36.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2537.5896	37.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2848.3081	40.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

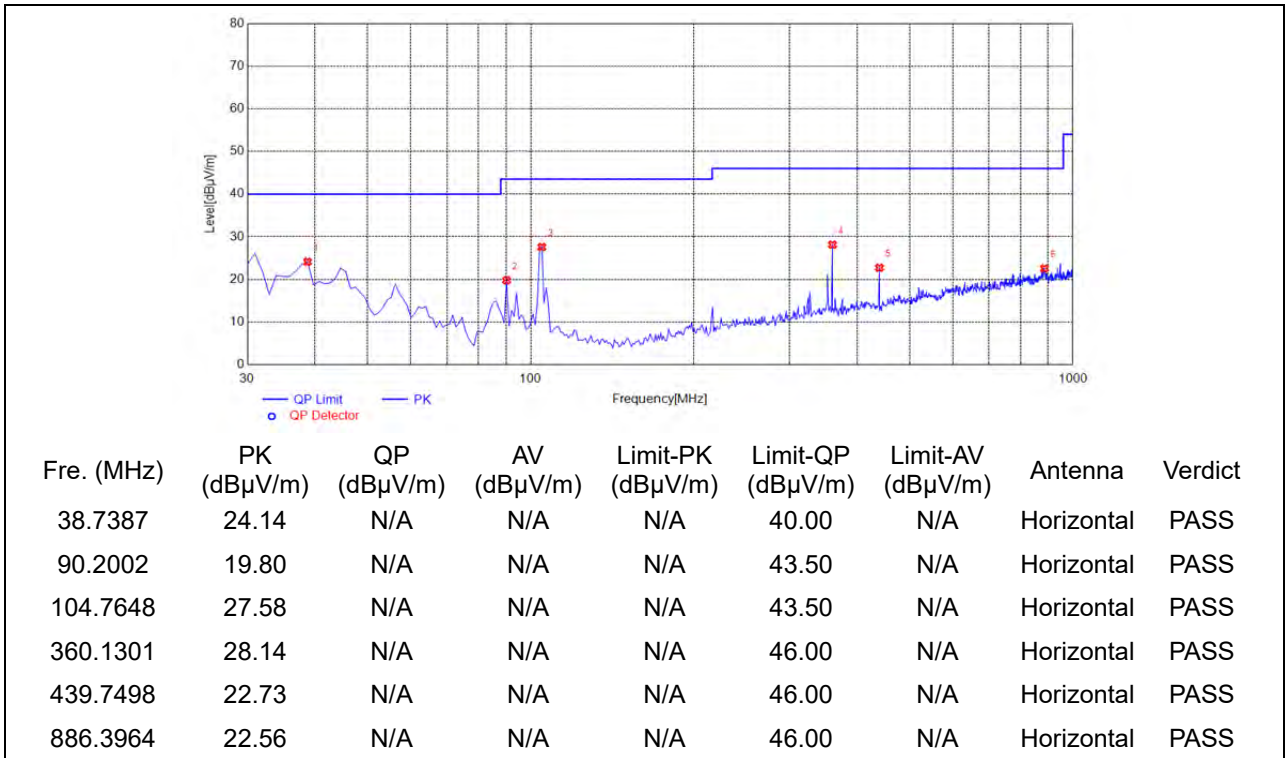


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3489.0978	43.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4824.3649	46.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6264.6529	49.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8041.0082	50.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10822.5645	50.65	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14813.3627	50.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

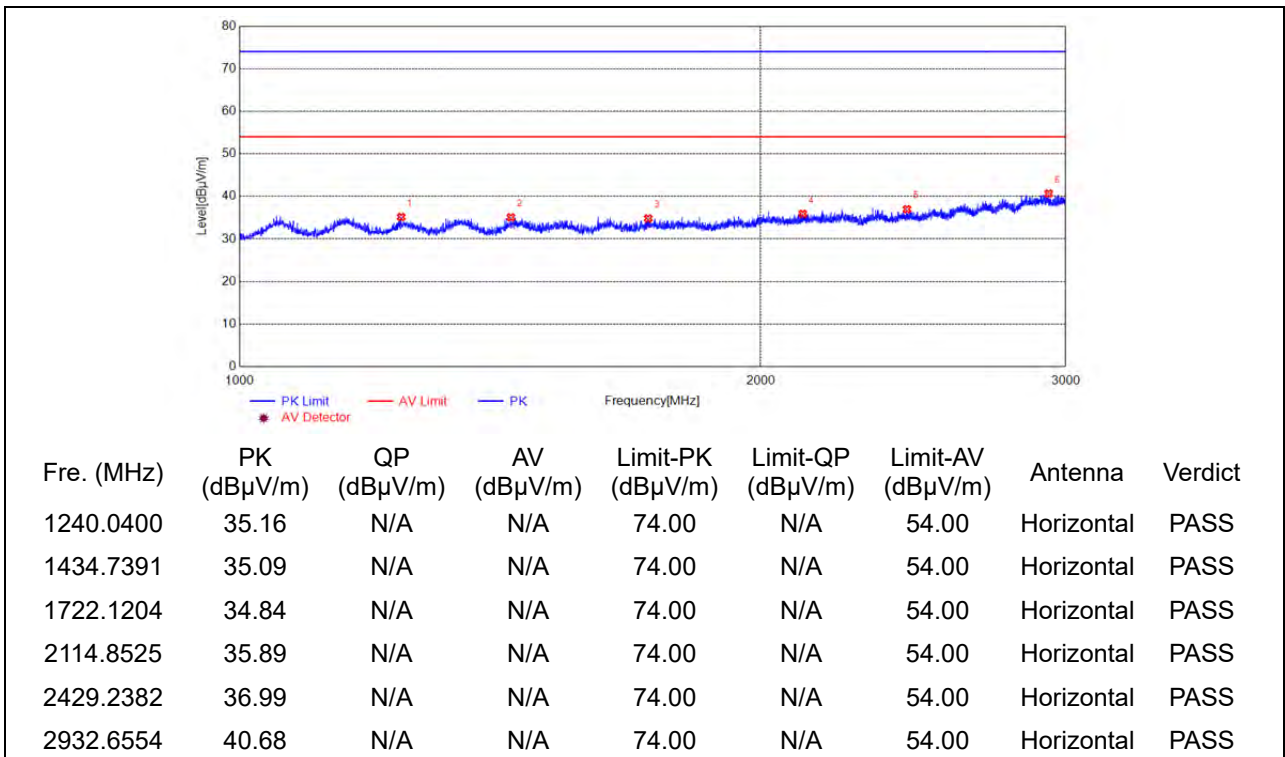
(Antenna Vertical, 3GHz to 18GHz)



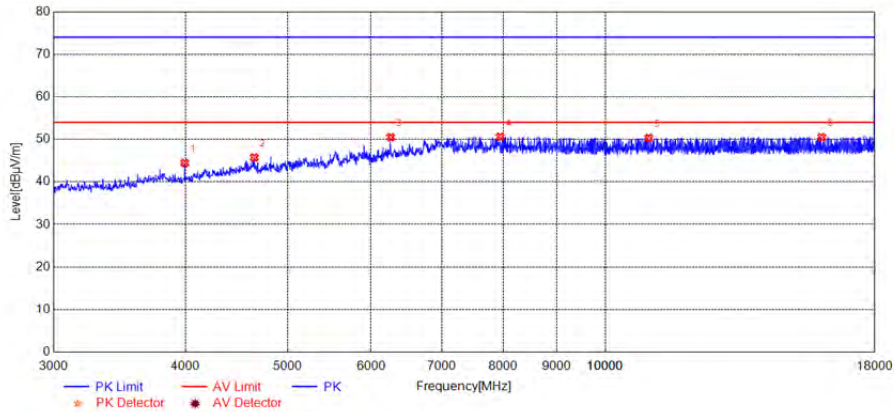
Plot for Channel 7



(Antenna Horizontal, 30MHz to 1GHz)

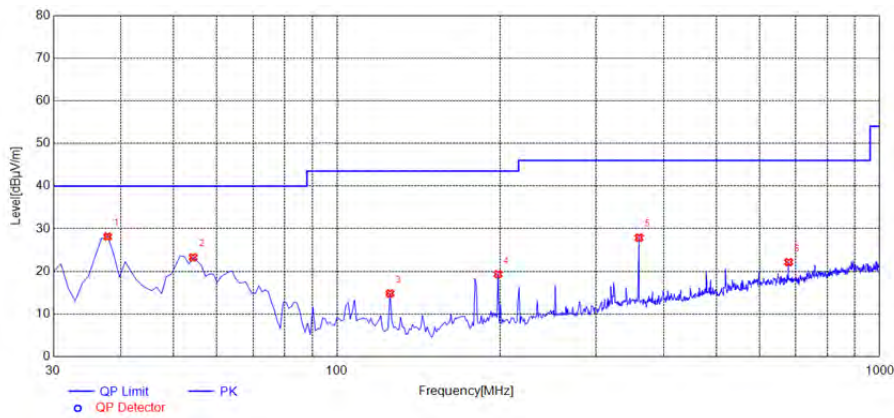


(Antenna Horizontal, 1GHz to 3GHz)



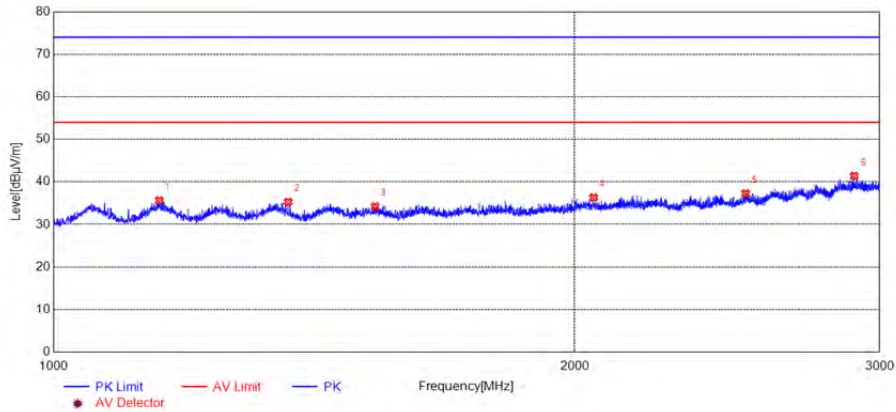
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3996.1992	44.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4650.3301	45.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7950.9902	50.61	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10996.5993	50.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16031.6063	50.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



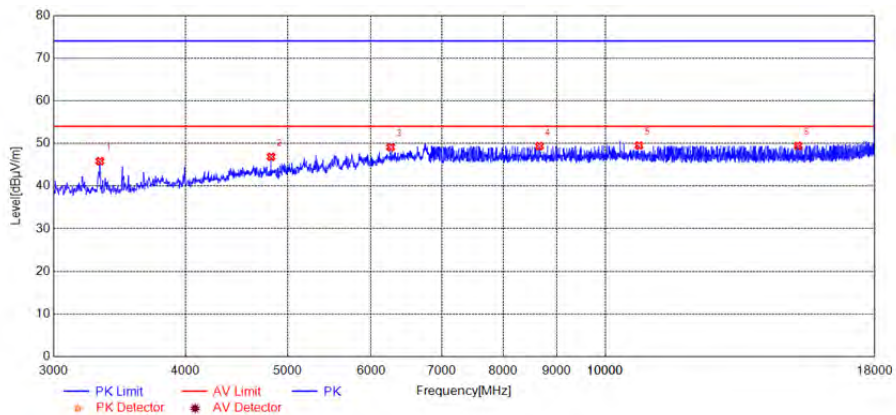
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.15	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
54.2743	23.28	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
125.1552	14.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.34	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	27.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	22.17	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1151.3586	35.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1366.3944	35.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1533.7556	34.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2050.8418	36.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2510.5851	37.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2900.3167	41.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



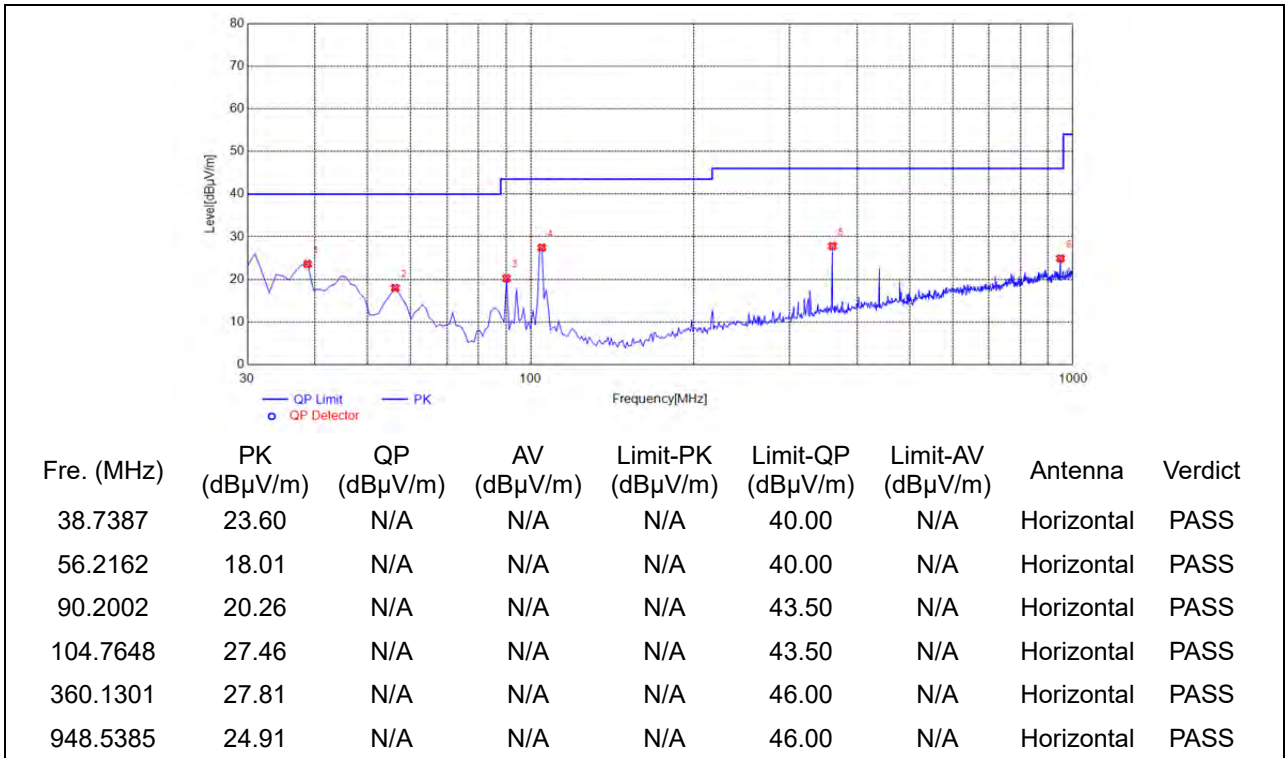
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3321.0642	45.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
4824.3649	46.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	49.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8662.1324	49.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10762.5525	49.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15230.4461	49.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

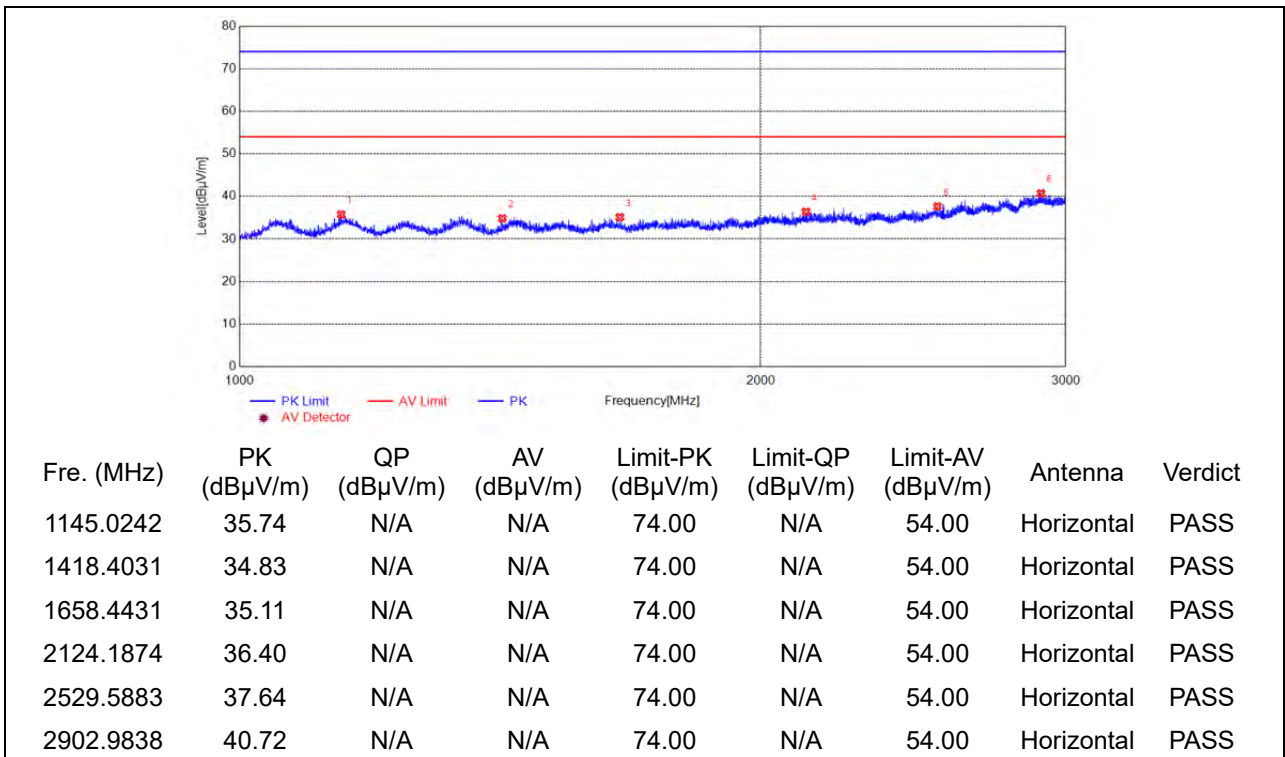




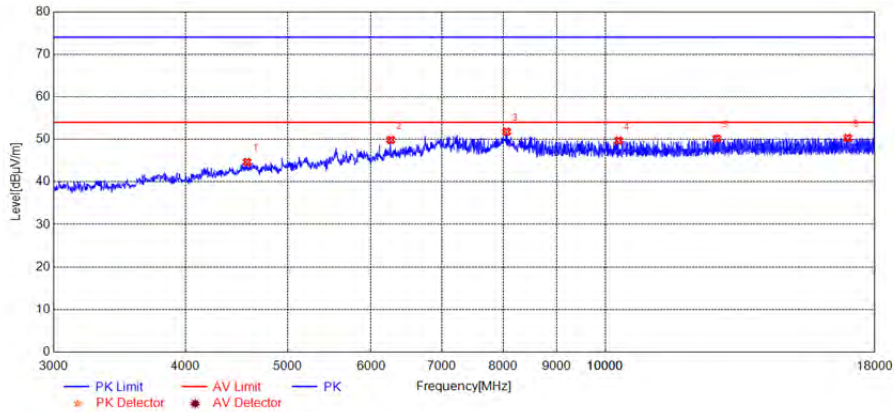
Plot for Channel 13



(Antenna Horizontal, 30MHz to 1GHz)

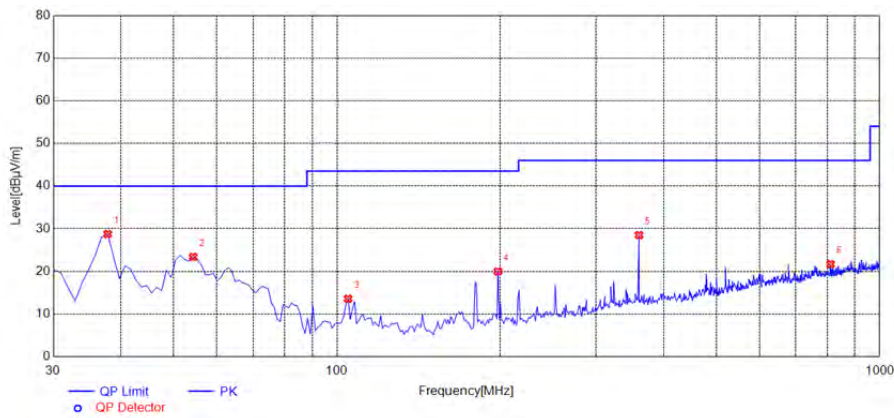


(Antenna Horizontal, 1GHz to 3GHz)



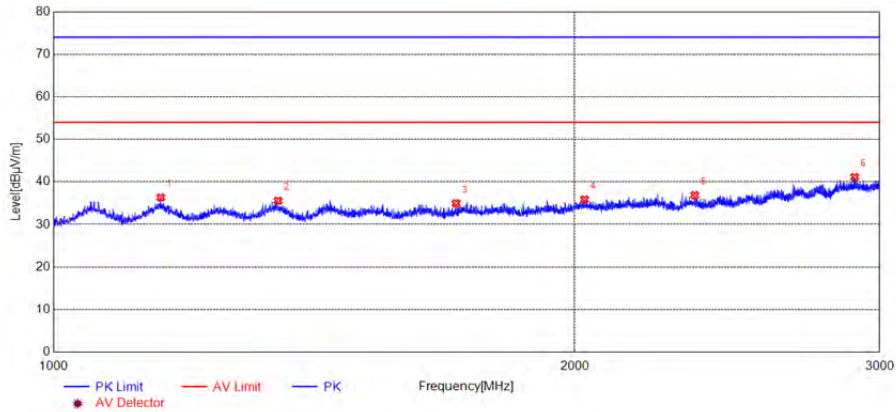
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4578.3157	44.65	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	49.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8062.0124	51.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10294.4589	49.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12754.9510	50.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16967.7936	50.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



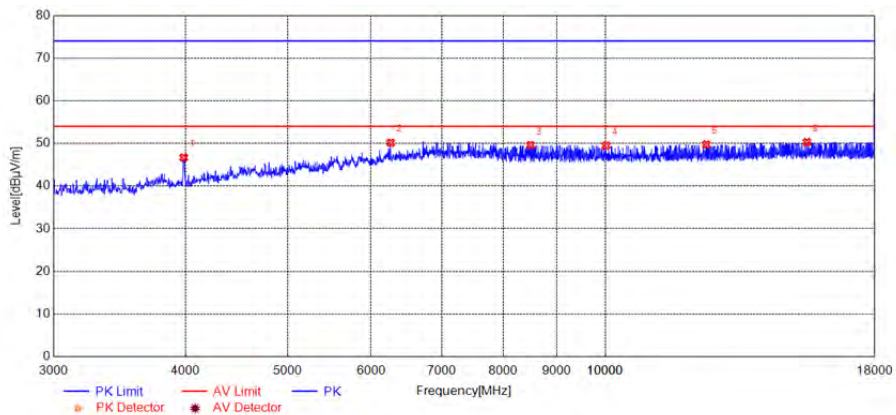
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.77	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
54.2743	23.38	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	13.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.99	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
811.6316	21.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1153.3589	36.34	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1348.0580	35.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1708.1180	34.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2026.1710	35.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2345.5576	36.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2901.6503	41.13	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



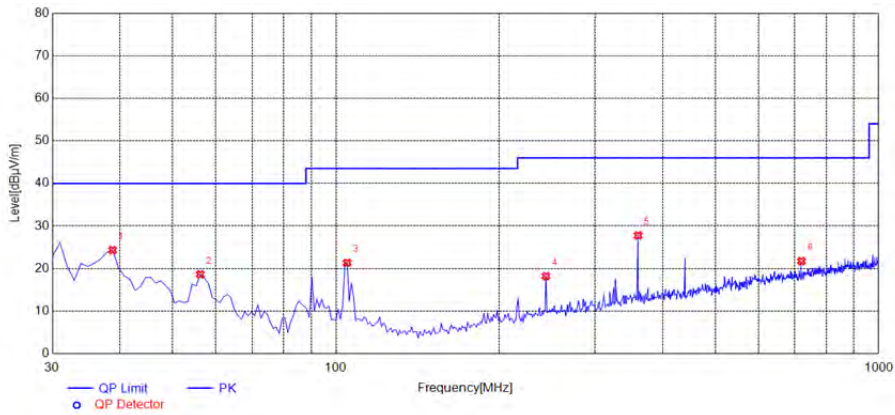
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3987.1974	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8497.0994	49.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10018.4037	49.48	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12466.8934	49.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15527.5055	50.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)



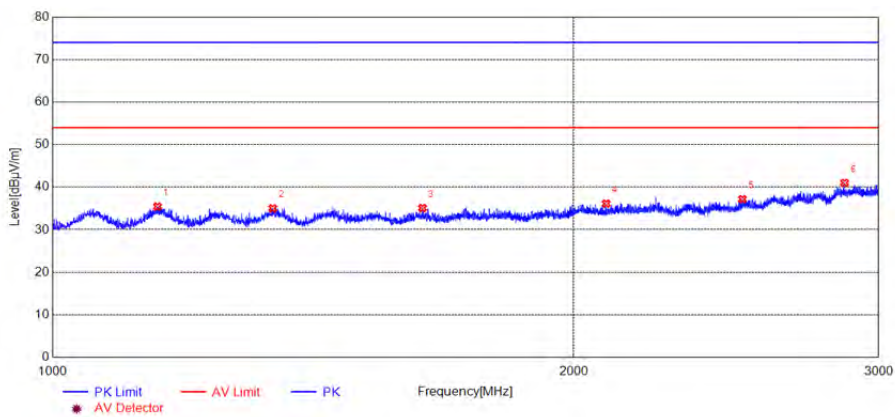
802.11g Mode

Plot for Channel 1



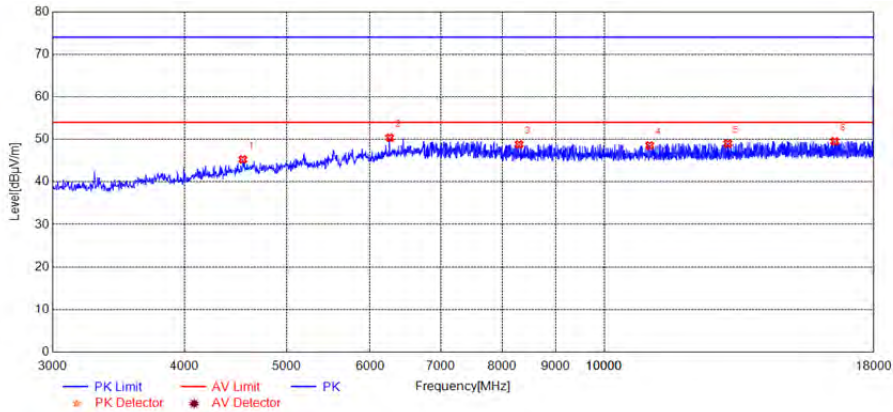
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
38.7387	24.32	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
56.2162	18.63	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	21.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
243.6136	18.20	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
360.1301	27.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
720.3604	21.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



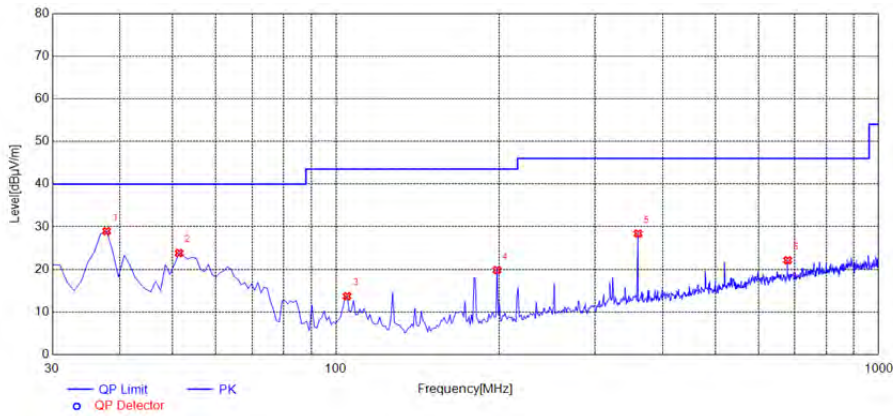
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
1150.0250	35.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1340.3901	35.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1635.7726	35.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2088.1814	36.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2502.9172	37.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2866.9778	41.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



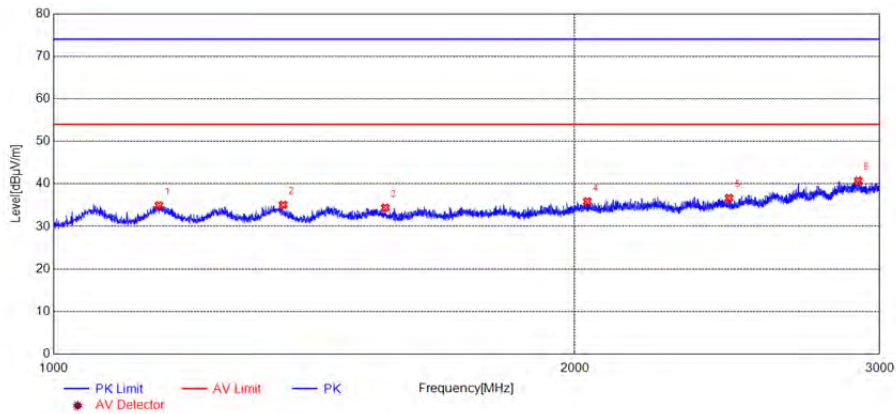
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4545.3091	45.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8305.0610	48.83	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11041.6083	48.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13094.0188	49.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16532.7065	49.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



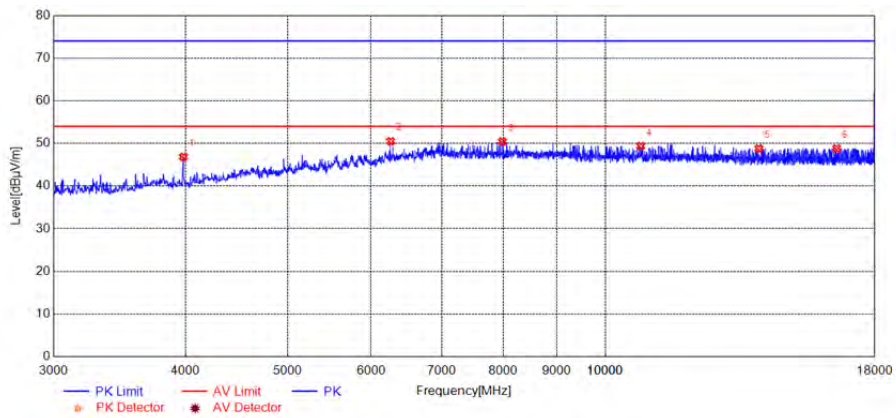
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.95	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
51.3614	23.83	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	13.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.85	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	22.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1150.6918	34.96	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1357.0595	35.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1554.7591	34.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2033.8390	35.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2455.2425	36.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2915.3192	40.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

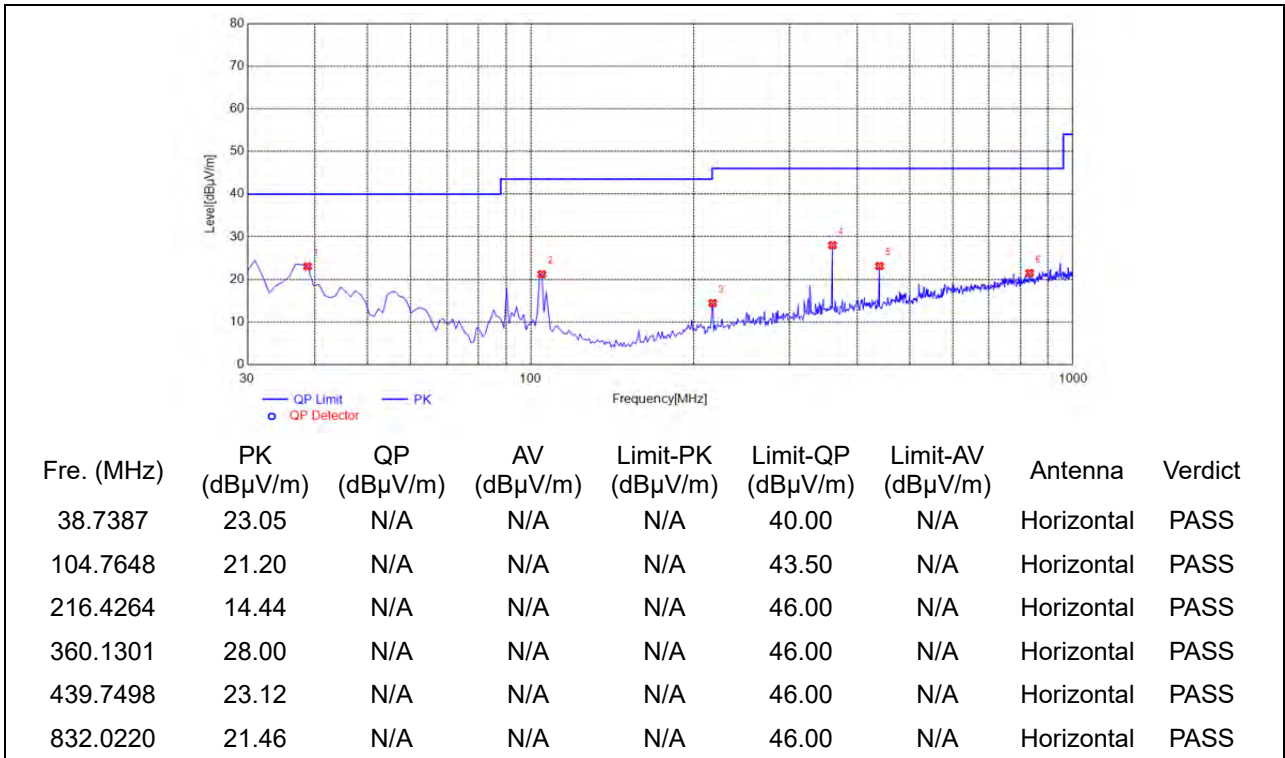


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3984.1968	46.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7989.9980	50.45	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10804.5609	49.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13979.1958	48.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16562.7125	48.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

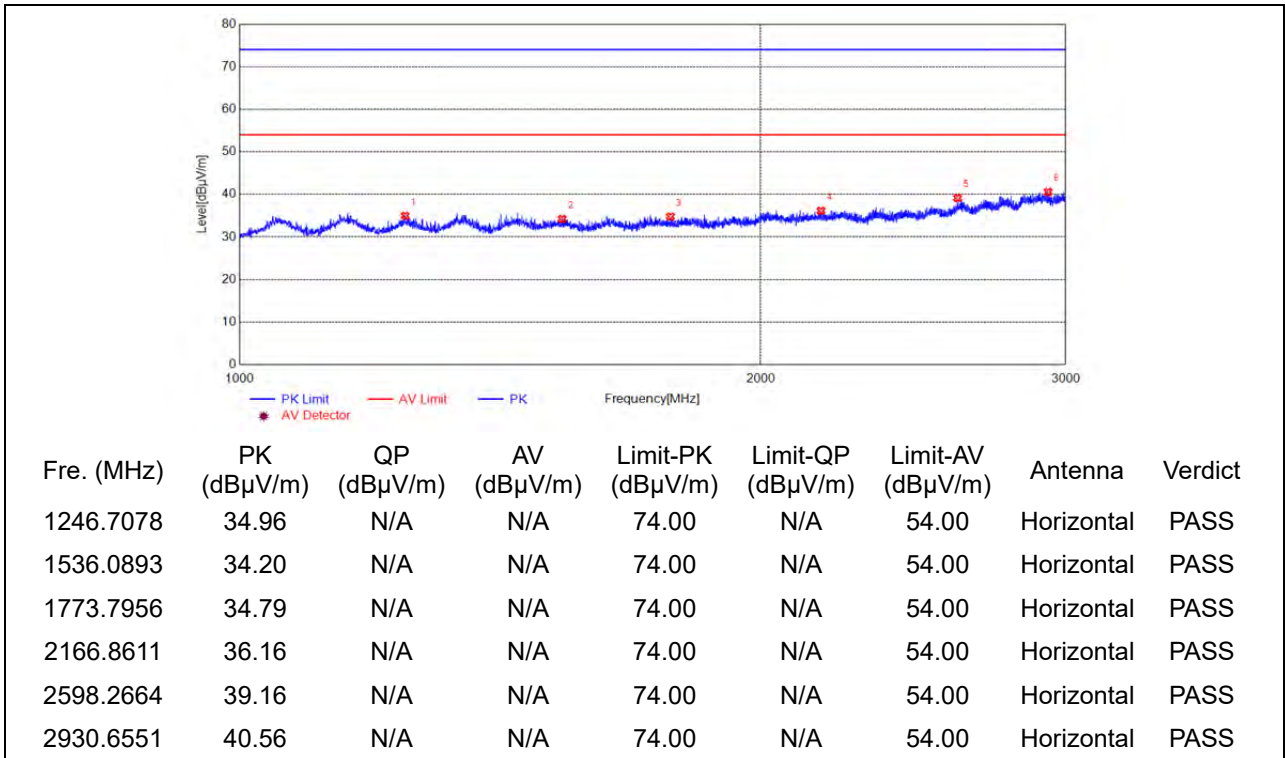
(Antenna Vertical, 3GHz to 18GHz)



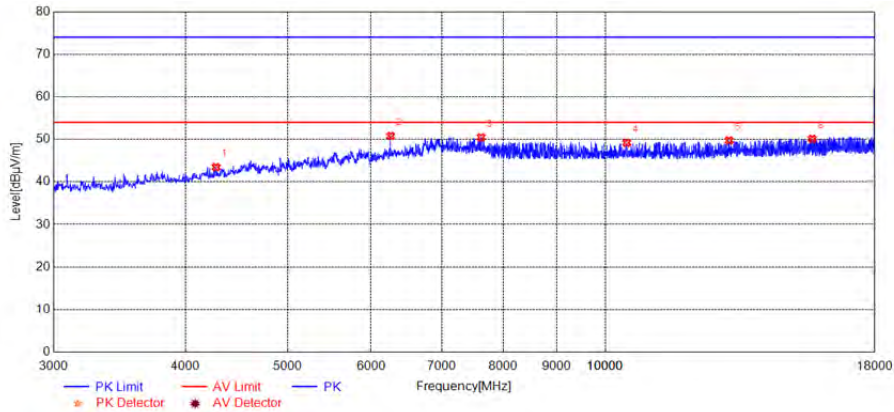
Plot for Channel 7



(Antenna Horizontal, 30MHz to 1GHz)

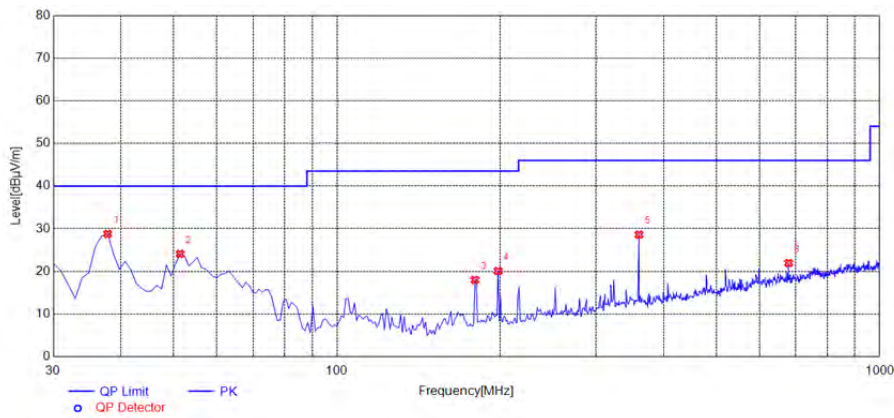


(Antenna Horizontal, 1GHz to 3GHz)



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
4278.2557	43.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7626.9254	50.48	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10480.4961	49.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13103.0206	49.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15707.5415	50.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

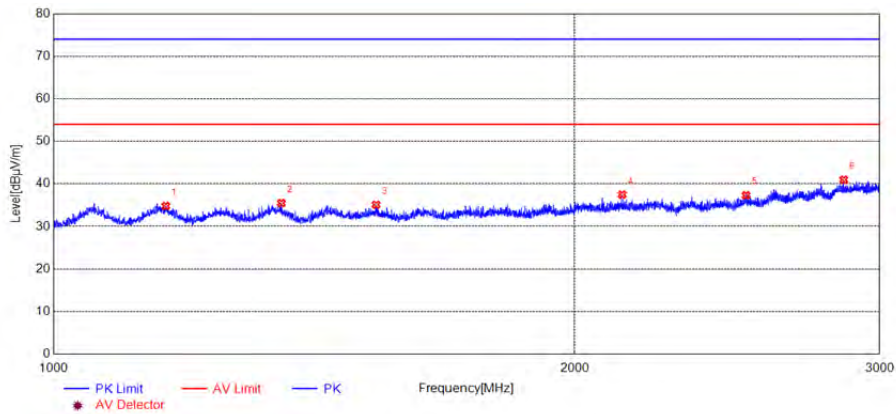
(Antenna Horizontal, 3GHz to 18GHz)



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
37.7678	28.79	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
51.3614	24.09	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
179.5295	18.01	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	20.08	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.61	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	21.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

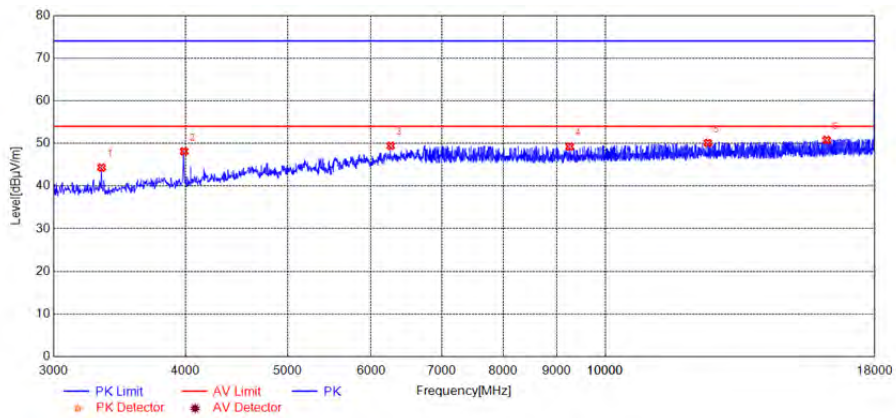
(Antenna Vertical, 30MHz to 1GHz)





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
1161.3602	34.81	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1354.0590	35.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1535.7560	35.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2130.1884	37.49	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2511.5853	37.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2859.9767	40.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

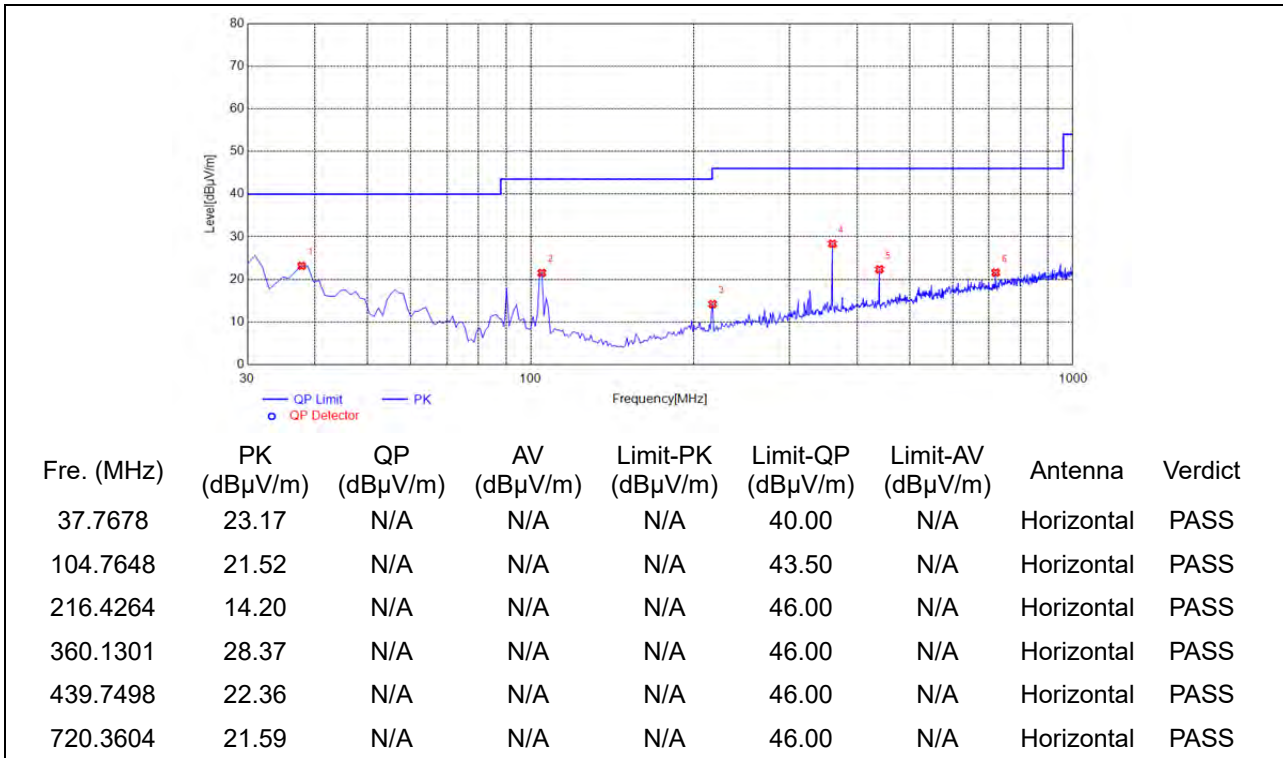


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3333.0666	44.35	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3990.1980	48.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	49.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9253.2507	49.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12508.9018	50.11	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16208.6417	50.82	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

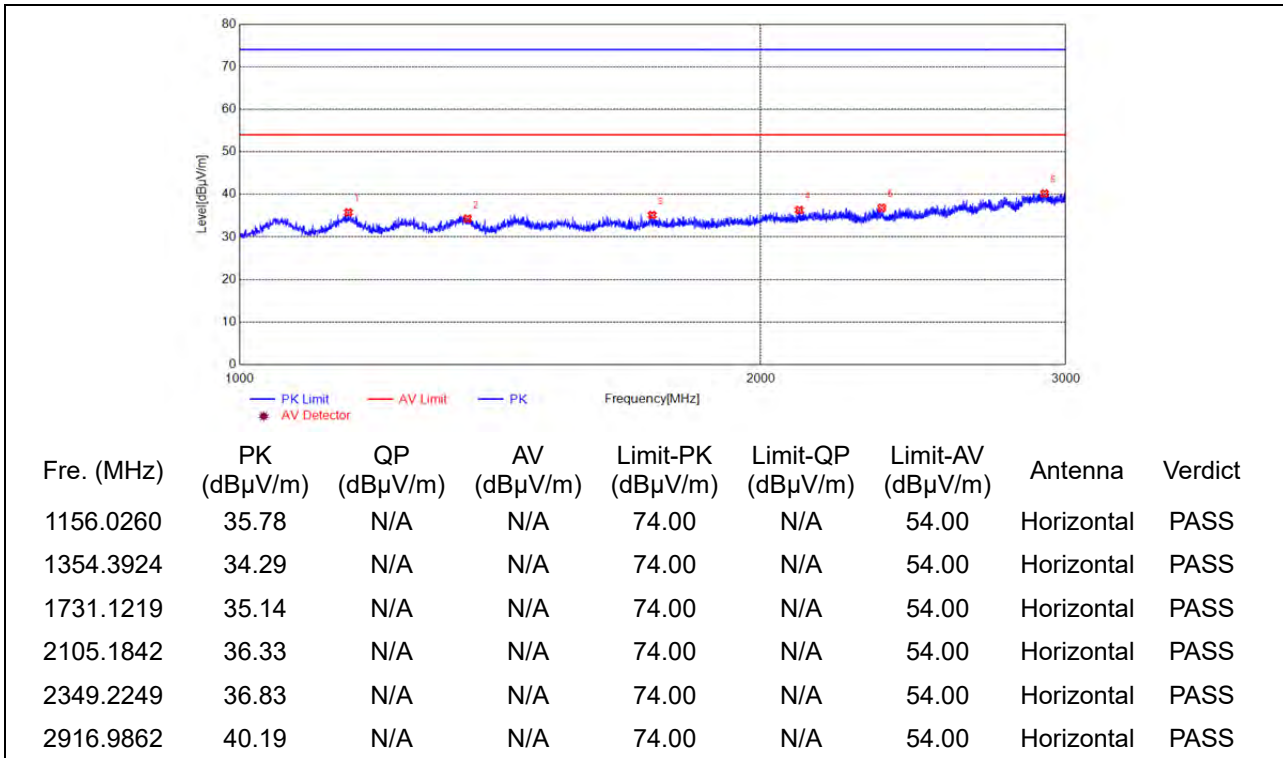
(Antenna Vertical, 3GHz to 18GHz)



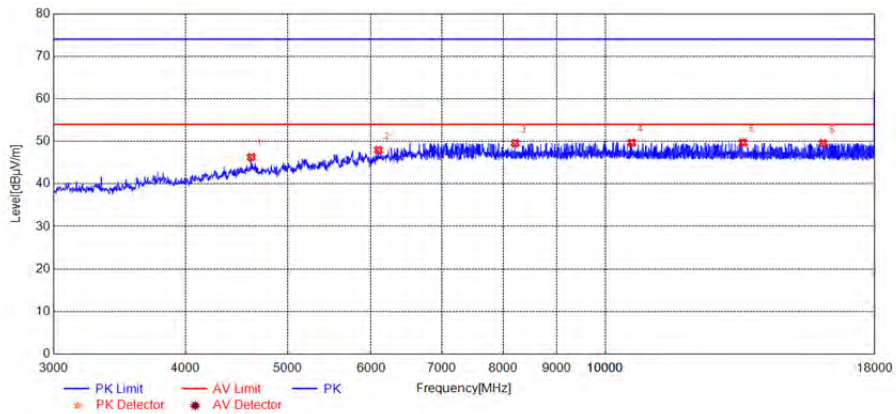
Plot for Channel 13



(Antenna Horizontal, 30MHz to 1GHz)

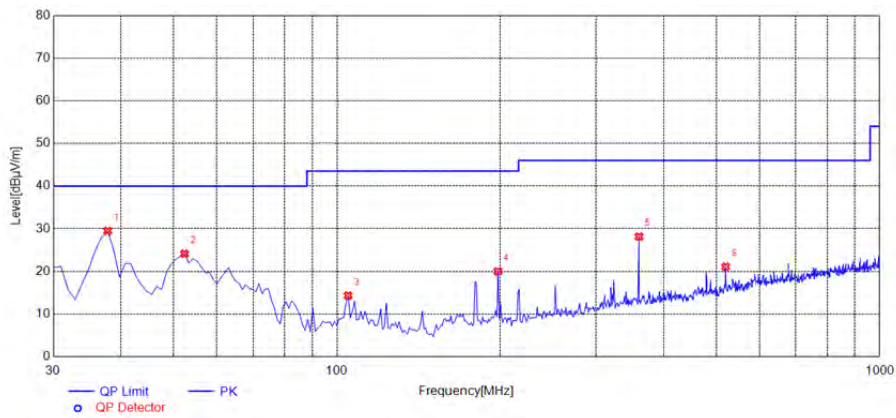


(Antenna Horizontal, 1GHz to 3GHz)



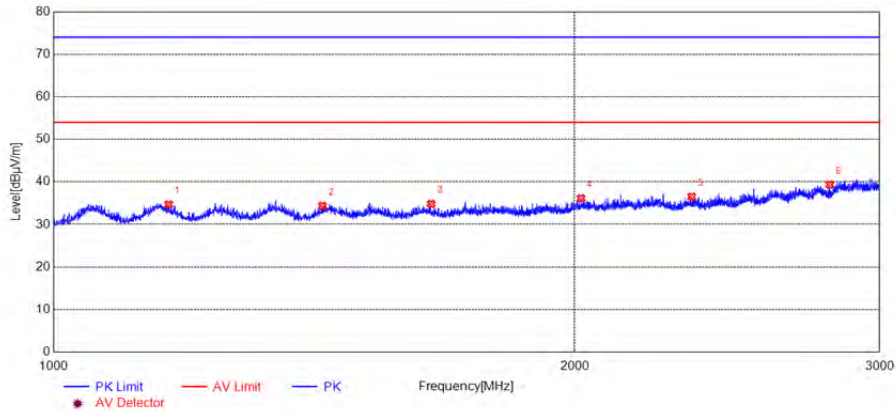
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4620.3241	46.30	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6096.6193	47.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8215.0430	49.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10597.5195	49.68	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13502.1004	49.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16085.6171	49.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



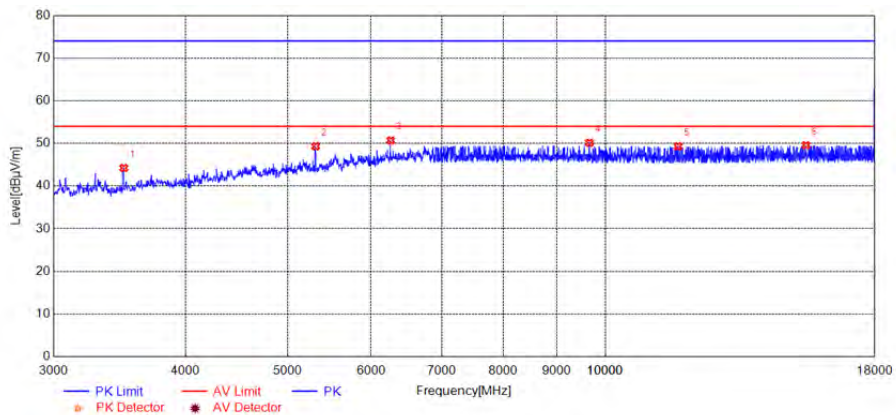
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	29.47	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	24.13	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	14.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	20.00	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.15	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
520.3403	21.09	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1165.6943	34.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1430.0717	34.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1652.4421	34.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2016.8361	36.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2336.5561	36.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2806.9678	39.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



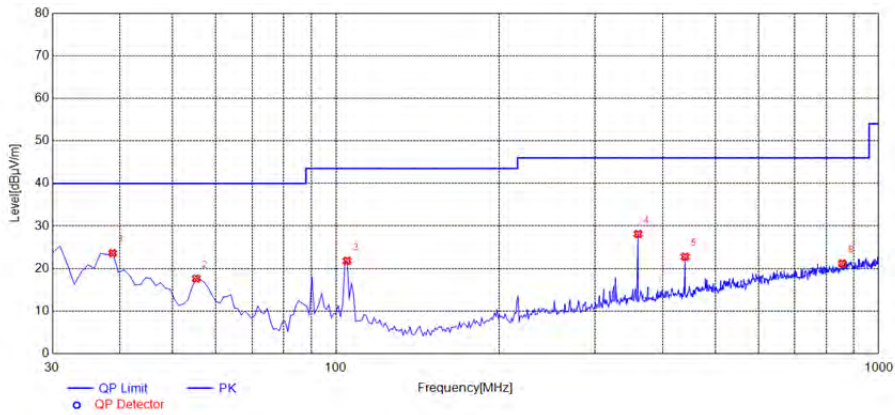
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3498.0996	44.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5316.4633	49.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.69	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9661.3323	50.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11722.7445	49.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15491.4983	49.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)



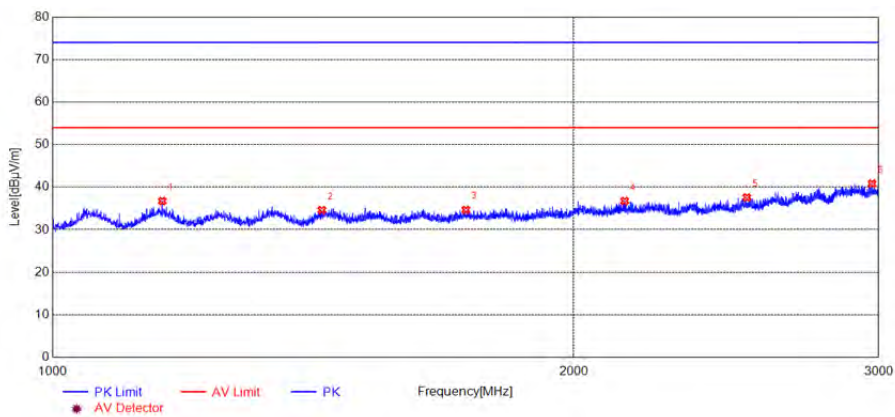
**802.11n (HT20)Mode**

Plot for Channel 1



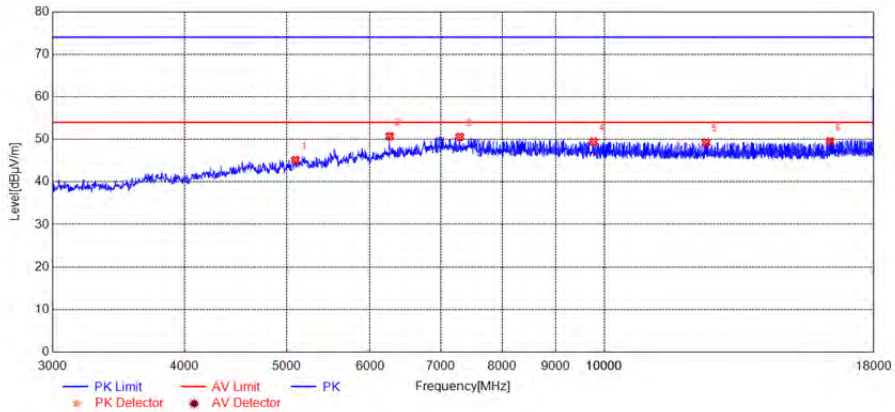
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
38.7387	23.63	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
55.2452	17.66	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	21.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
360.1301	28.12	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	22.76	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
857.2673	21.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



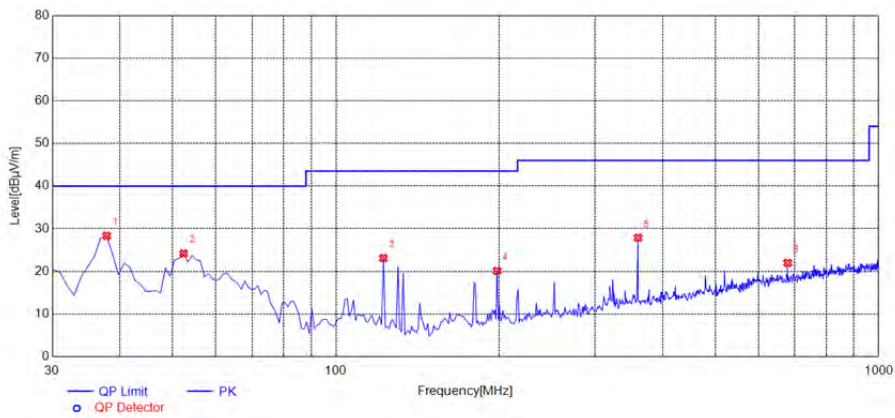
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
1157.3596	36.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1430.7385	34.60	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1732.7888	34.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2140.1900	36.75	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2517.5863	37.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2973.6623	40.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



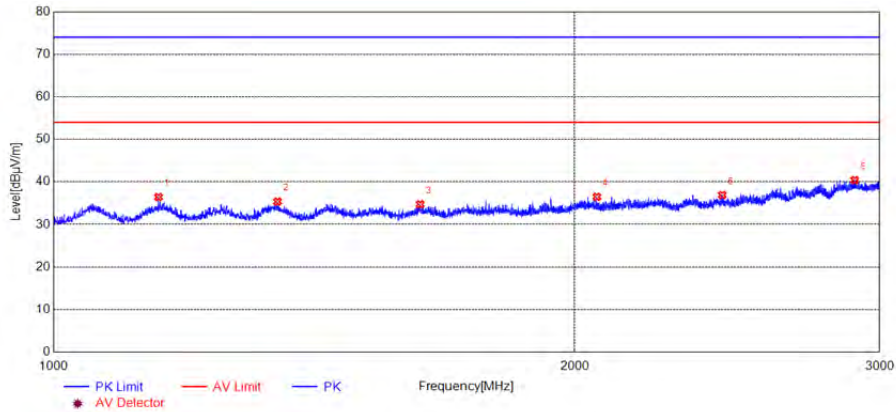
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
5097.4195	45.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7296.8594	50.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9772.3545	49.43	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12487.8976	49.28	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16361.6723	49.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



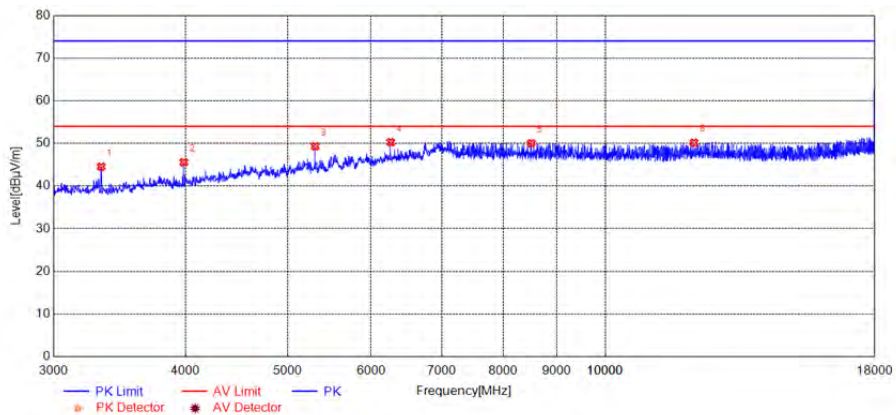
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.33	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	24.18	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
122.2422	23.11	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	20.12	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	27.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	21.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1150.0250	36.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1347.0578	35.38	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1628.4381	34.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2059.8433	36.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2433.2389	36.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2901.6503	40.44	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

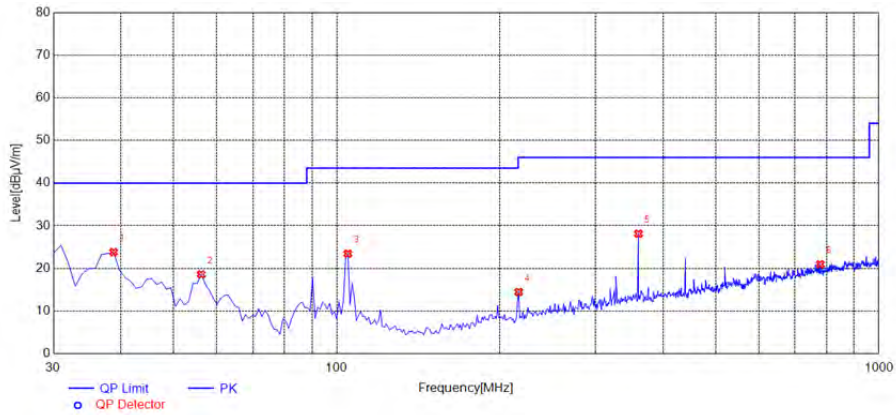


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3330.0660	44.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
3987.1974	45.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5310.4621	49.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8509.1018	50.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12133.8268	50.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

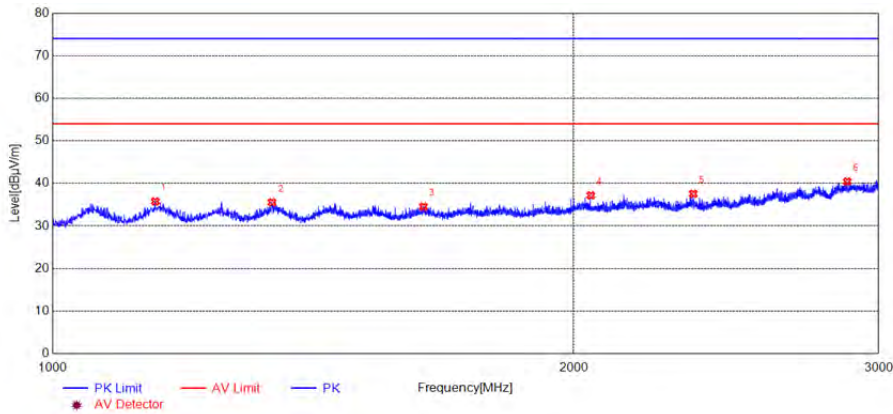


Plot for Channel 7



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
38.7387	23.81	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
56.2162	18.61	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	23.44	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
216.4264	14.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
360.1301	28.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
779.5896	20.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

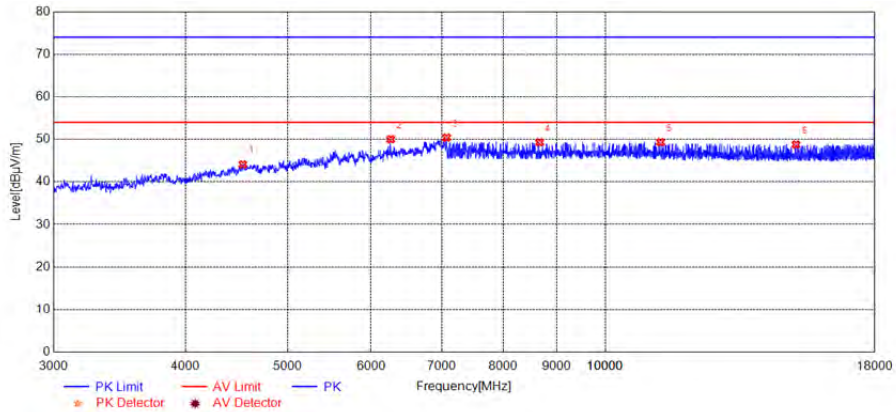
(Antenna Horizontal, 30MHz to 1GHz)



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
1146.6911	35.76	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1339.0565	35.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1637.7730	34.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2045.8410	37.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2344.5574	37.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2876.9795	40.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

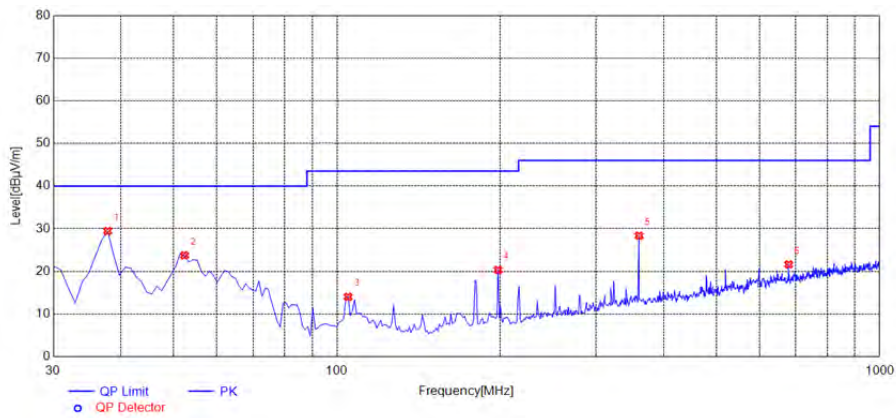
(Antenna Horizontal, 1GHz to 3GHz)





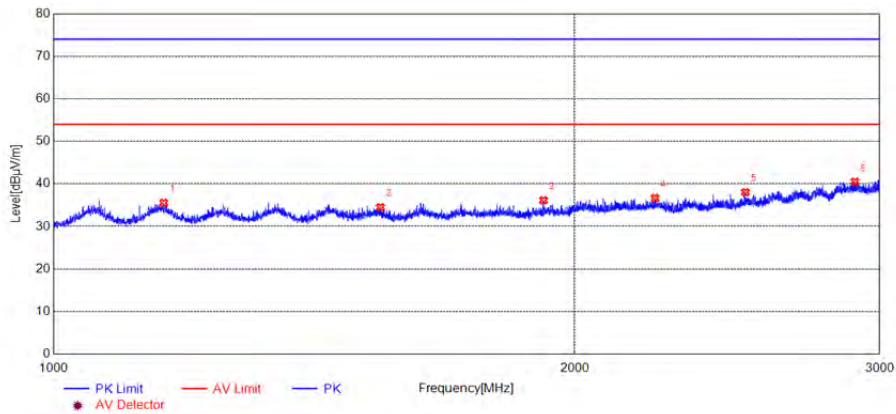
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4536.3073	44.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.02	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
7074.8150	50.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8665.1330	49.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11281.6563	49.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15161.4323	48.77	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



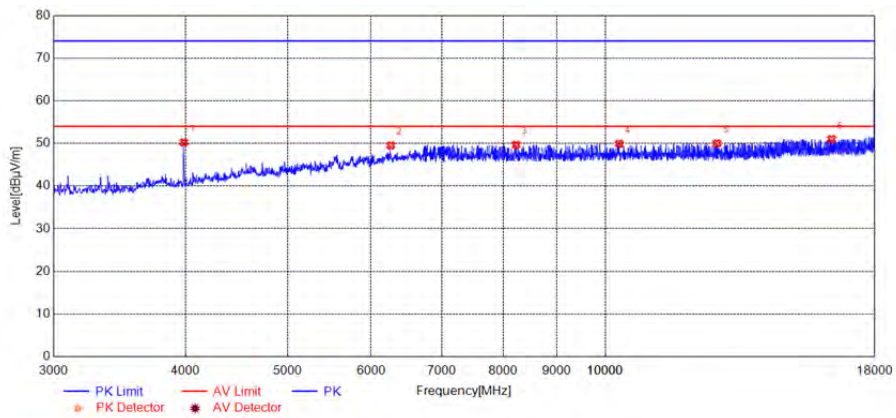
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	29.45	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	23.76	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	14.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	20.33	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.38	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	21.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1158.0263	35.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1544.7575	34.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1918.4864	36.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2225.5376	36.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2509.5849	38.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2902.6504	40.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

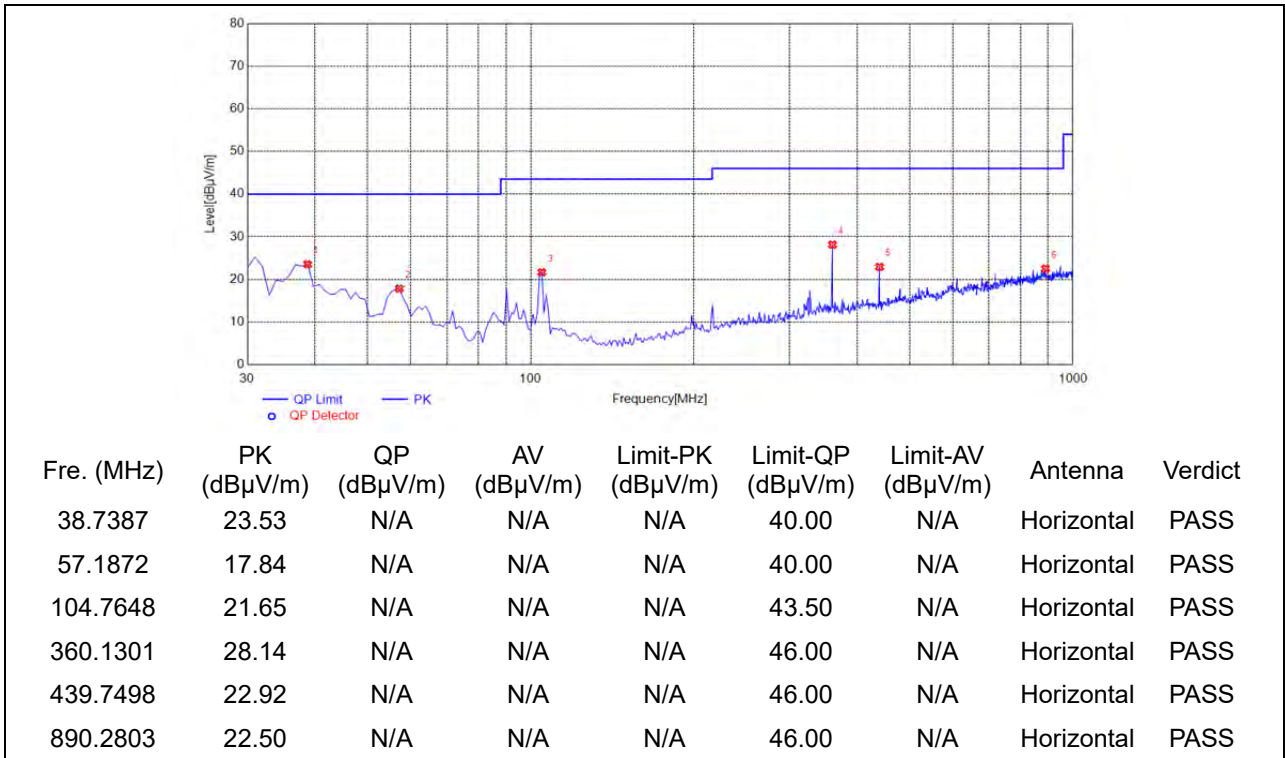


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3987.1974	50.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	49.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8233.0466	49.64	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10309.4619	49.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12760.9522	50.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16385.6771	51.00	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

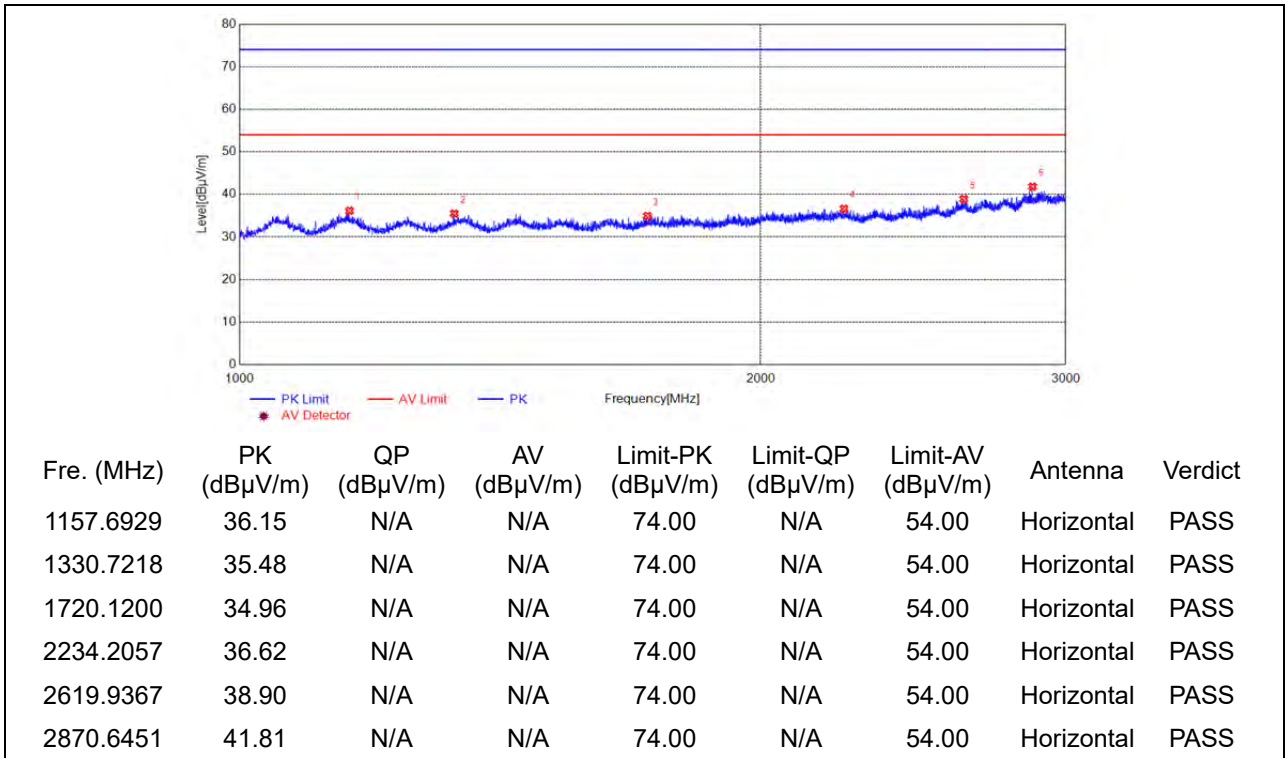
(Antenna Vertical, 3GHz to 18GHz)



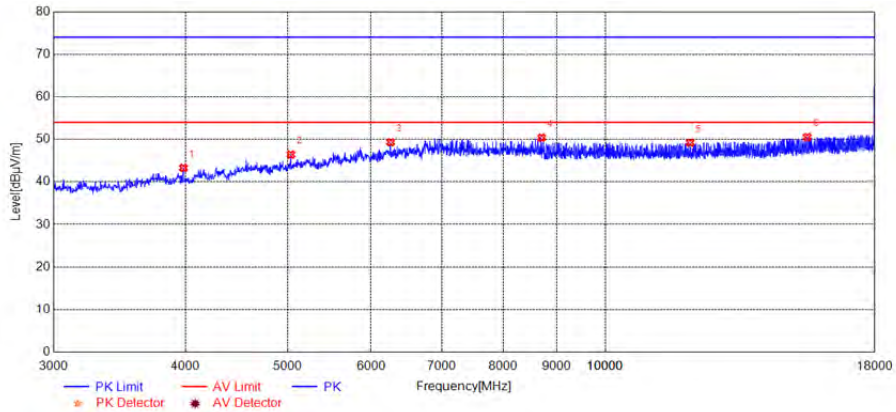
Plot for Channel 13



(Antenna Horizontal, 30MHz to 1GHz)

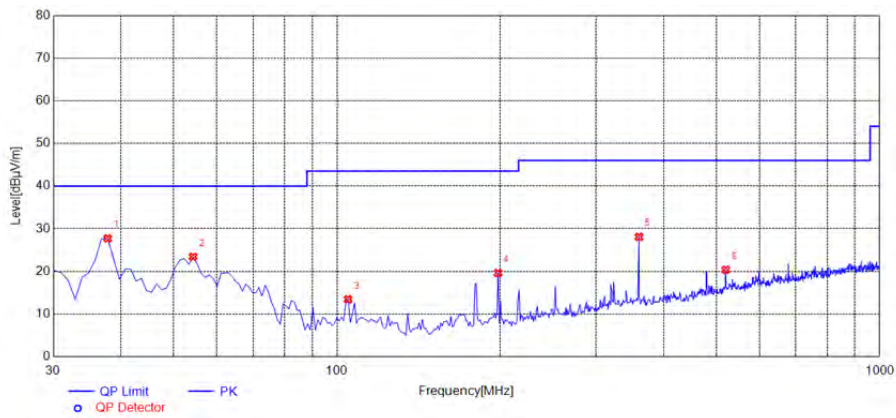


(Antenna Horizontal, 1GHz to 3GHz)



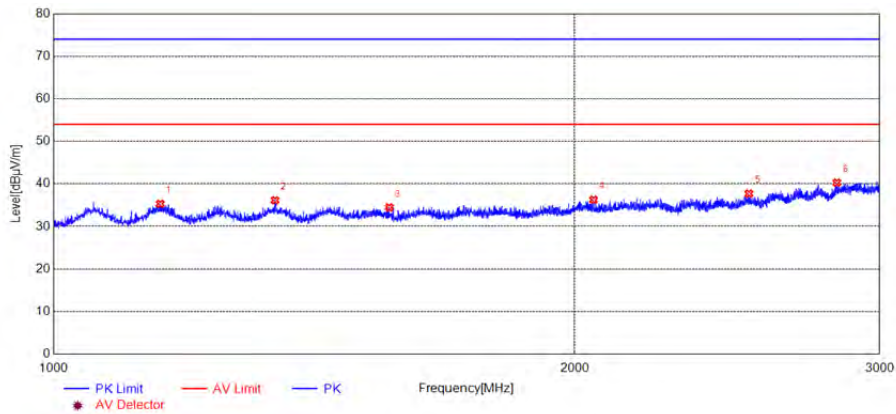
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3984.1968	43.31	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5037.4075	46.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	49.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8704.1408	50.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12034.8070	49.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
15533.5067	50.52	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



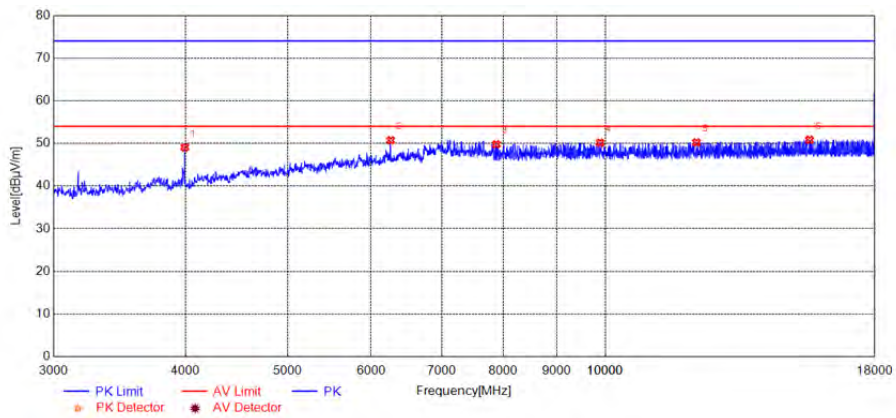
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	27.71	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
54.2743	23.41	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	13.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.61	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	28.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
520.3403	20.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1152.6921	35.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1342.7238	36.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1563.0938	34.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2050.5084	36.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2521.2535	37.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2833.9723	40.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



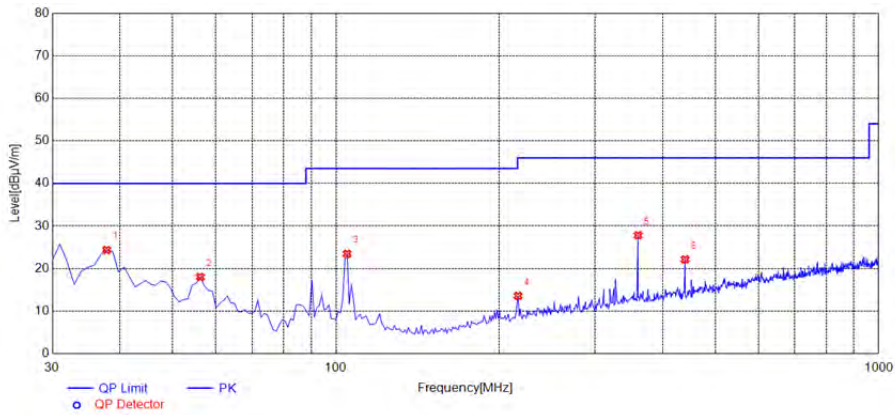
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3996.1992	49.06	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7884.9770	49.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
9886.3773	50.16	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12199.8400	50.24	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15617.5235	50.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)



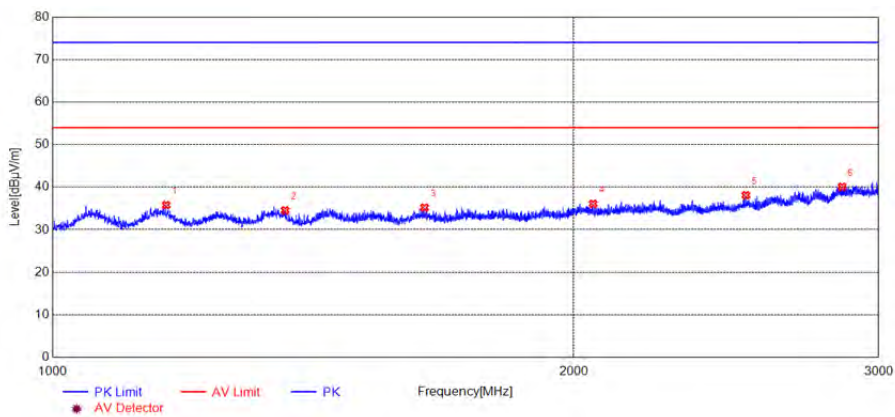
**802.11n(HT40) Mode**

Plot for Channel 3



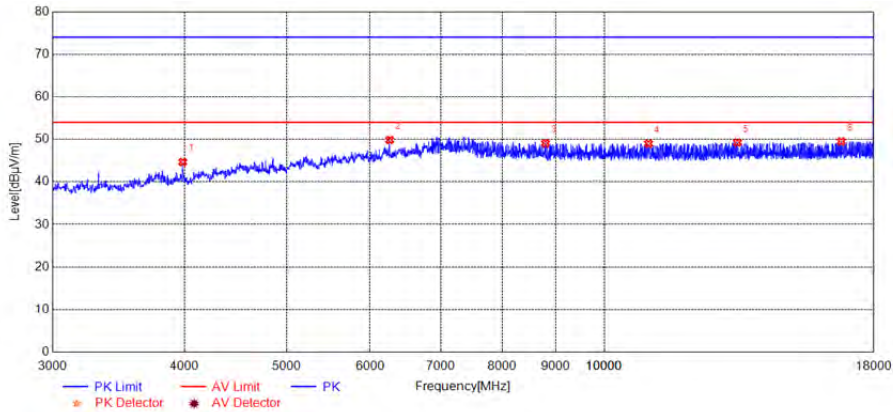
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	24.36	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
56.2162	18.02	N/A	N/A	N/A	40.00	N/A	Horizontal	PASS
104.7648	23.46	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
216.4264	13.58	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
360.1301	27.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
439.7498	22.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



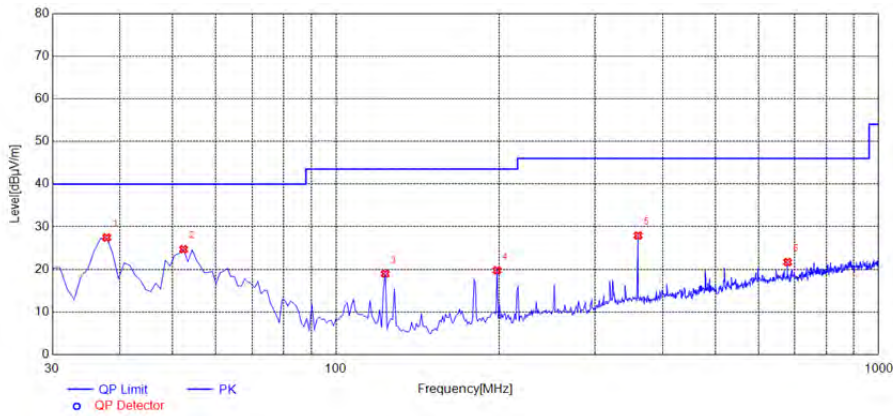
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
1163.3606	35.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1362.7271	34.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
1640.1067	35.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2052.1754	36.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2514.5858	38.10	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
2857.3096	40.09	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 3GHz)



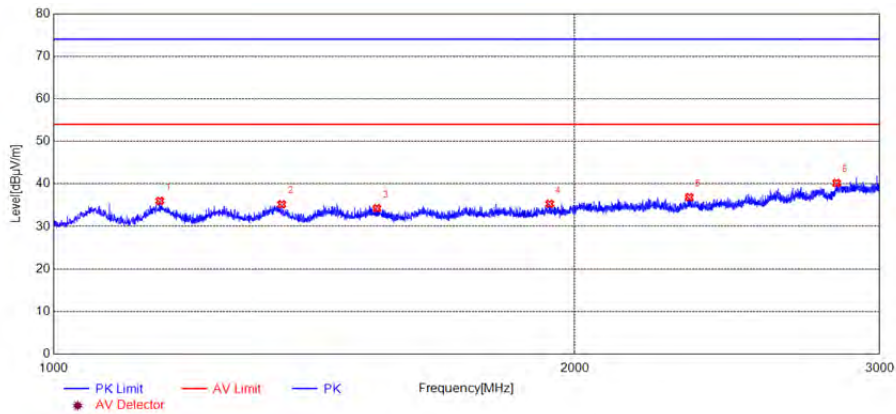
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
3987.1974	44.67	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	49.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8797.1594	49.07	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11014.6029	49.00	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13370.0740	49.24	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16772.7546	49.51	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



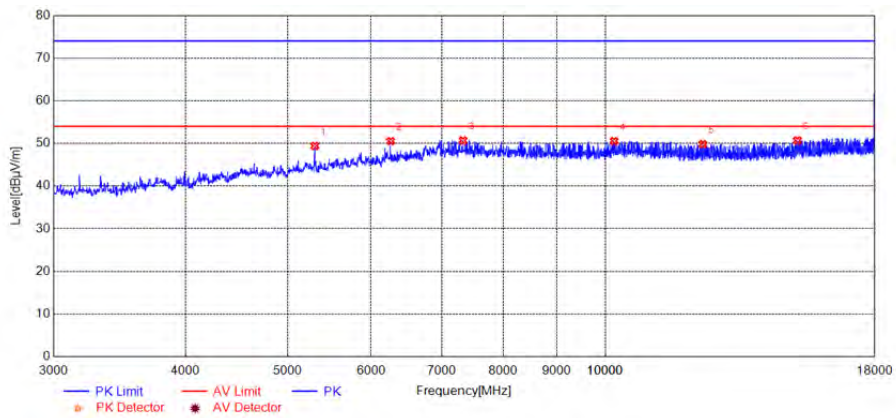
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	27.45	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	24.71	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
123.2132	18.95	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.78	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	27.92	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	21.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1152.0253	36.02	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1354.7258	35.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1537.4229	34.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1934.4891	35.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2328.8881	36.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2832.9722	40.21	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

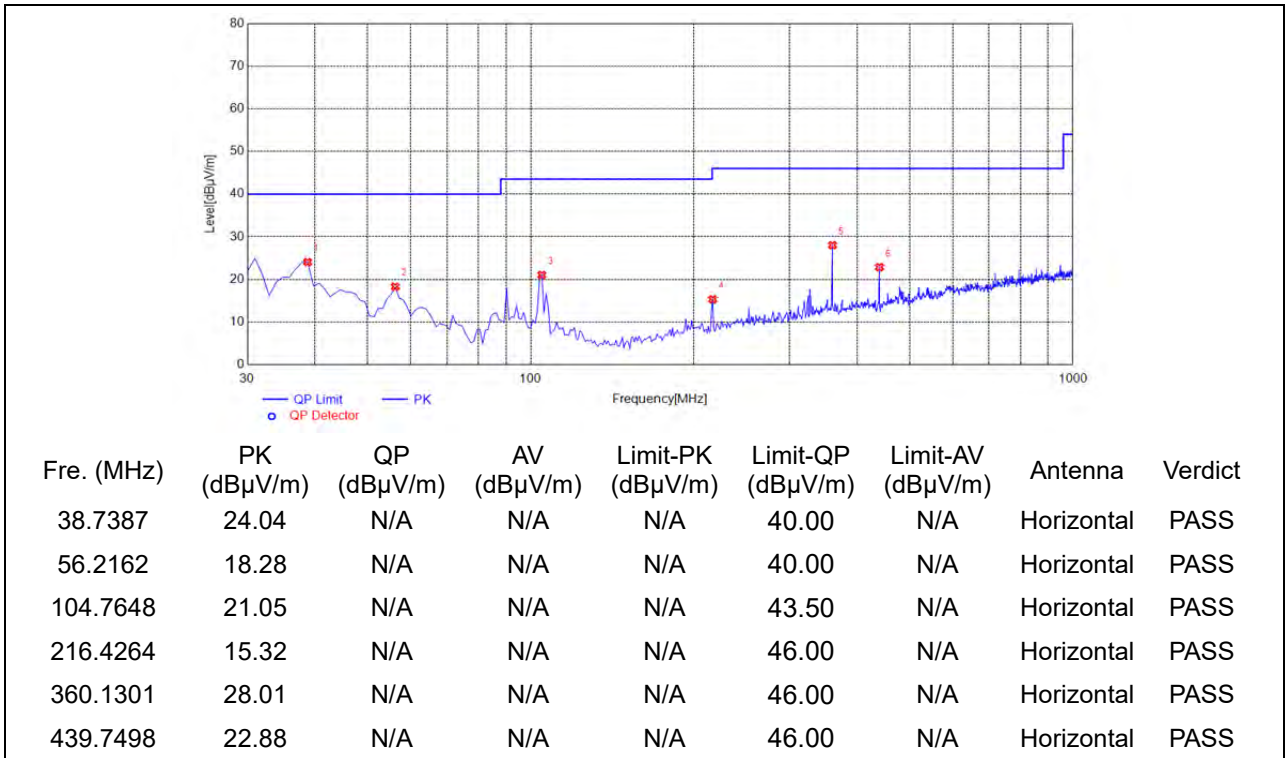


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
5307.4615	49.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
6261.6523	50.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7332.8666	50.67	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10195.4391	50.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12370.8742	49.84	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
15206.4413	50.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

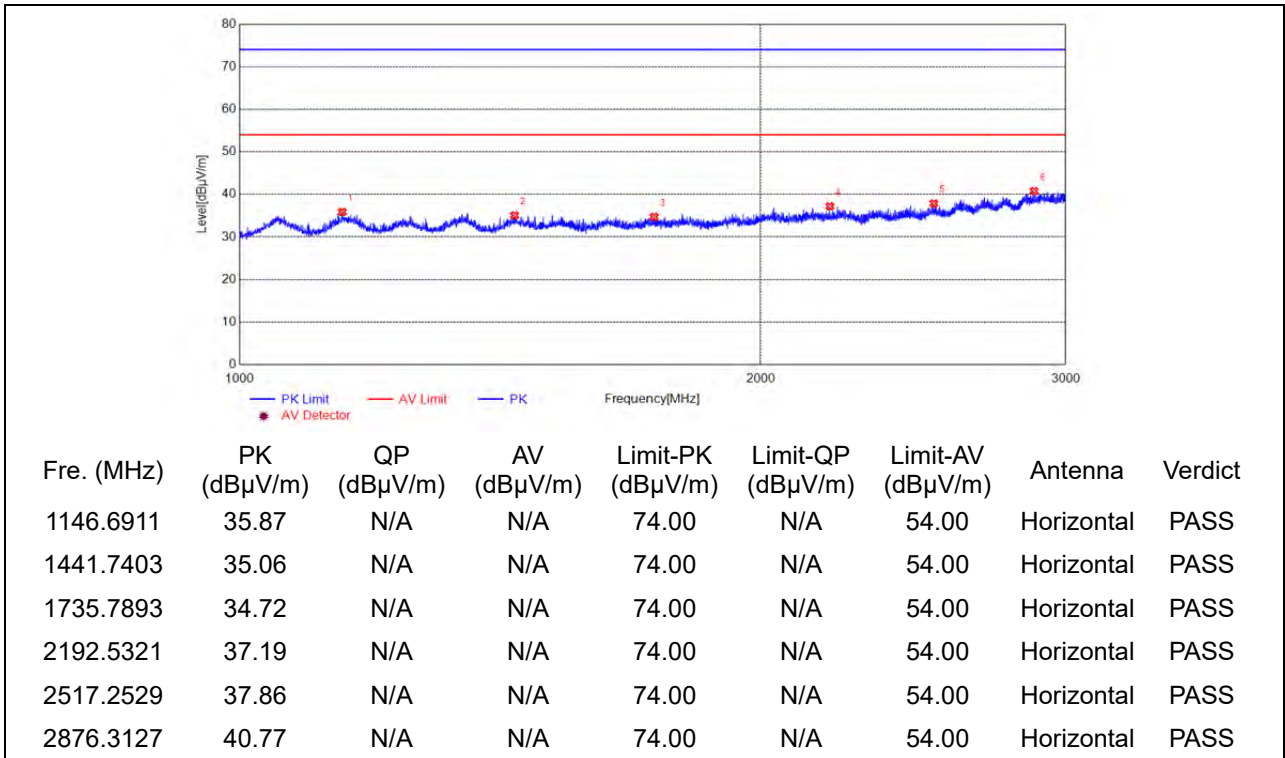
(Antenna Vertical, 3GHz to 18GHz)



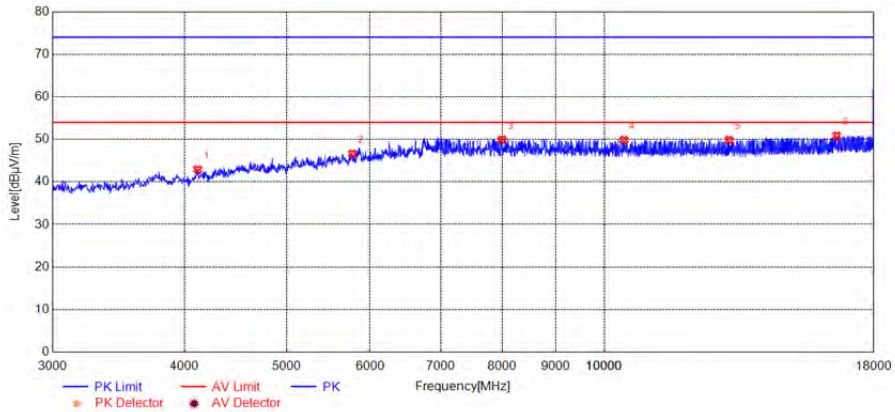
Plot for Channel 7



(Antenna Horizontal, 30MHz to 1GHz)

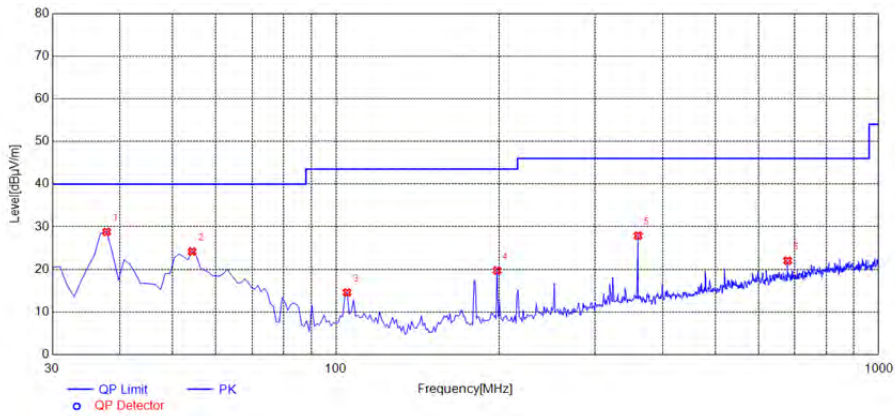


(Antenna Horizontal, 1GHz to 3GHz)



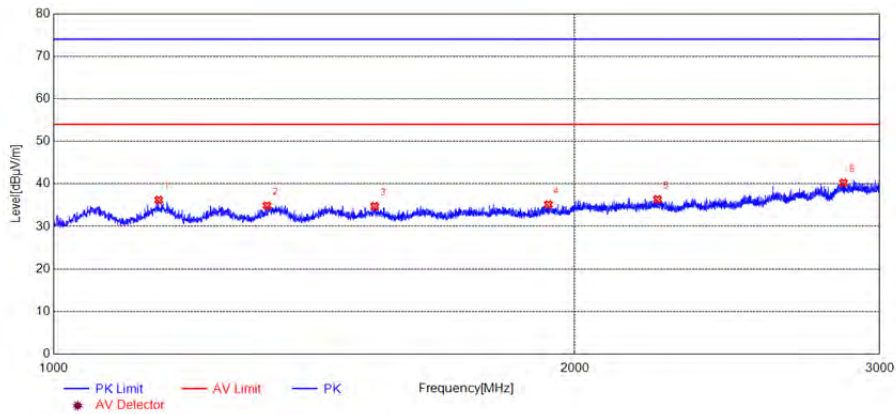
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4119.2238	42.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5772.5545	46.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8002.0004	49.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10438.4877	49.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13127.0254	49.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
16604.7209	50.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



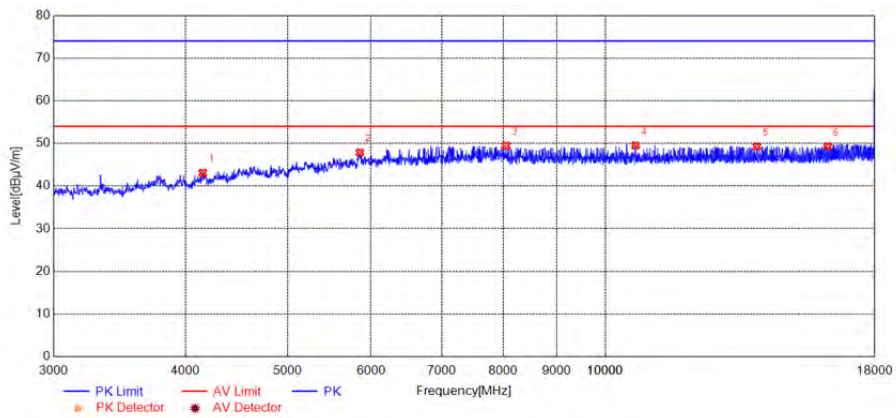
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.81	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
54.2743	24.18	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	14.58	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
197.9780	19.73	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	27.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	22.03	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1150.3584	36.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1328.3881	34.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1533.0888	34.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1931.1552	35.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2232.8721	36.37	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2858.9765	40.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)

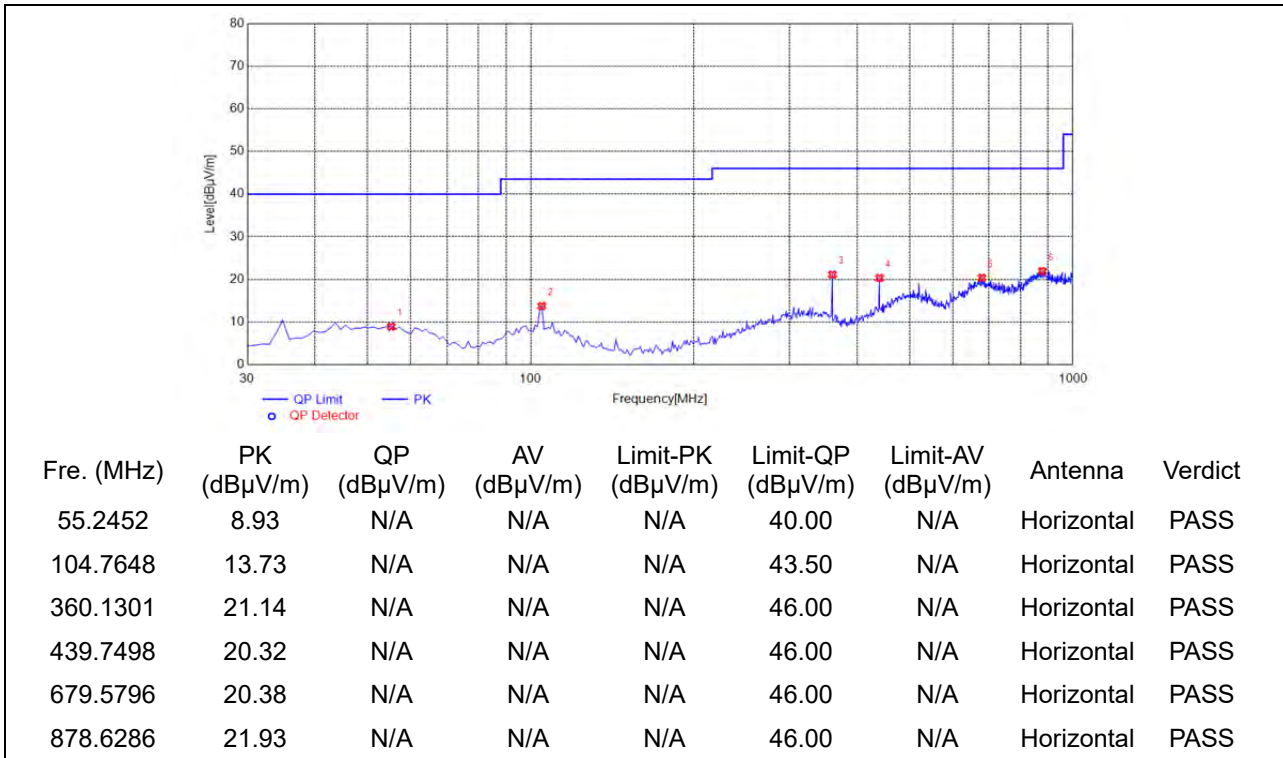


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4155.2310	43.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5853.5707	47.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8056.0112	49.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10684.5369	49.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13919.1838	49.29	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16247.6495	49.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

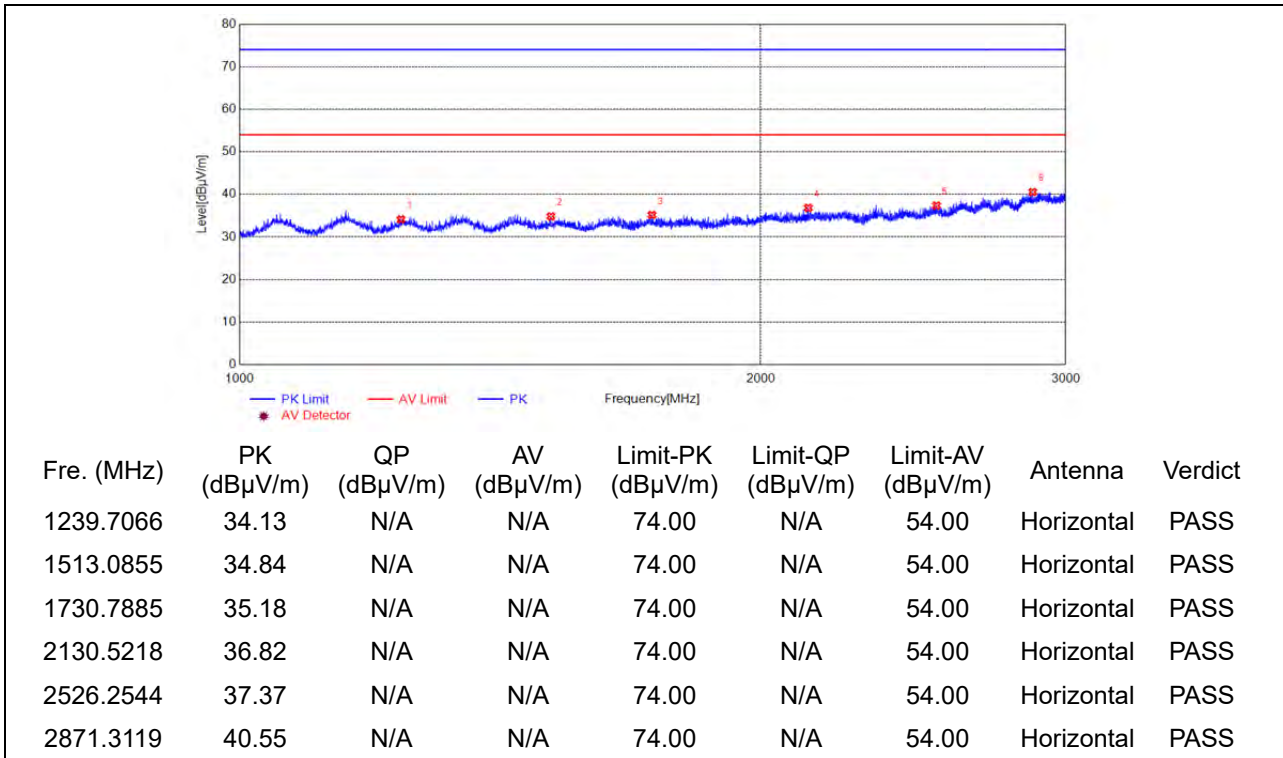
(Antenna Vertical, 3GHz to 18GHz)



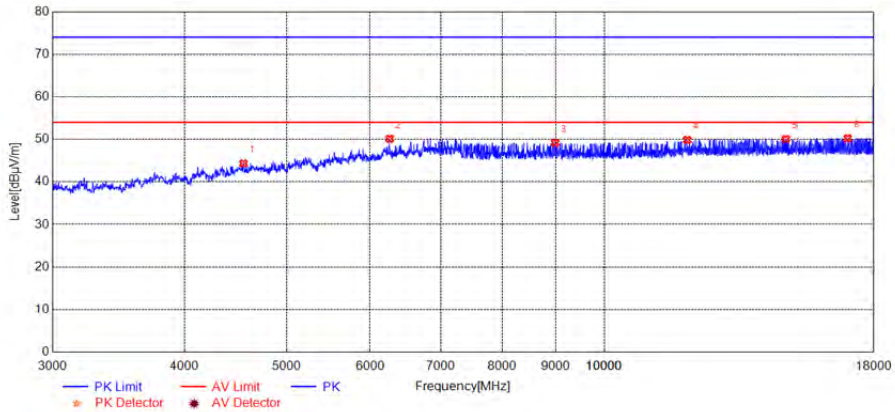
Plot for Channel 11



(Antenna Horizontal, 30MHz to 1GHz)

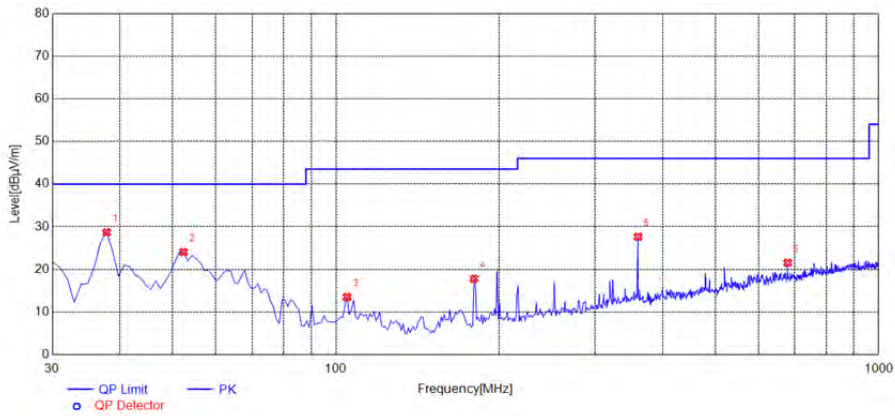


(Antenna Horizontal, 1GHz to 3GHz)



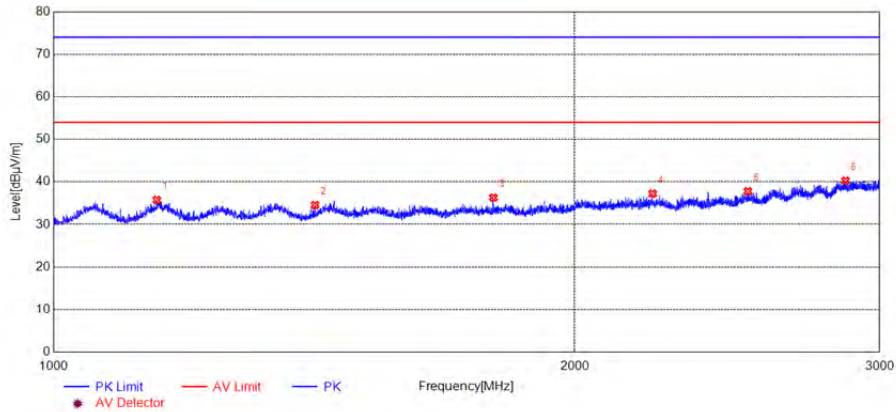
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
4551.3103	44.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
6261.6523	50.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8983.1966	49.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11983.7968	49.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14861.3723	50.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
17009.8020	50.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 3GHz to 18GHz)



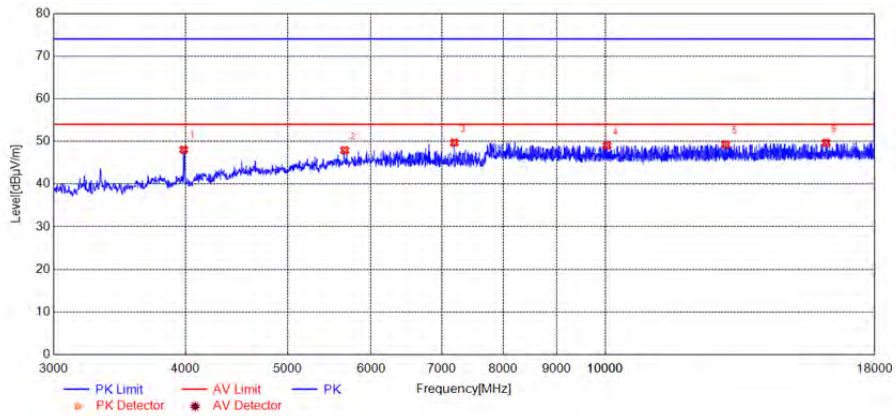
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
37.7678	28.68	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
52.3323	24.05	N/A	N/A	N/A	40.00	N/A	Vertical	PASS
104.7648	13.49	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
179.5295	17.83	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
360.1301	27.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
679.5796	21.55	N/A	N/A	N/A	46.00	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



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
1147.3579	35.76	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1416.0693	34.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
1795.1325	36.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2218.2030	37.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2517.5863	37.80	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
2866.3111	40.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 1GHz to 3GHz)



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
3987.1974	48.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5664.5329	47.92	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7194.8390	49.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10039.4079	49.05	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
13010.0020	49.27	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
16190.6381	49.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 3GHz to 18GHz)

END OF REPORT