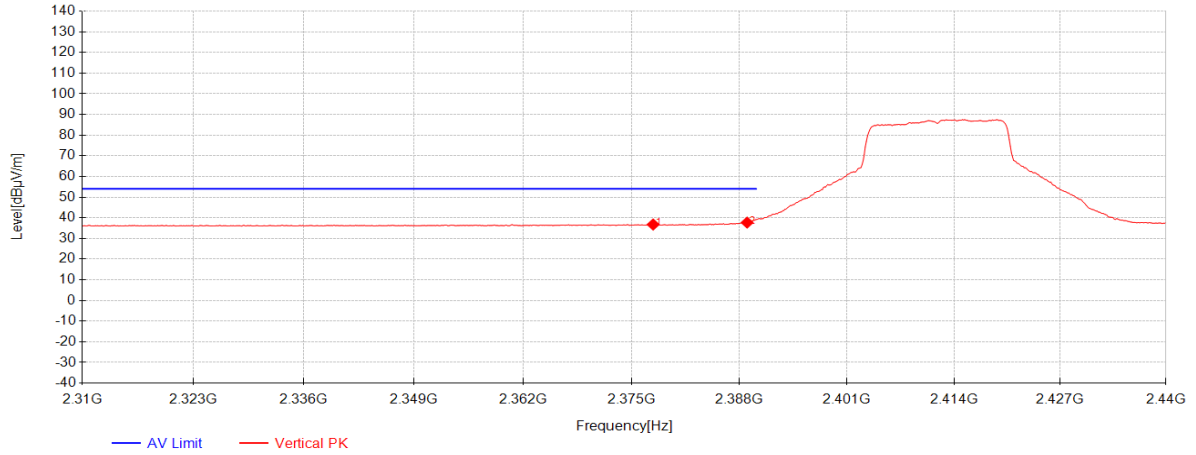
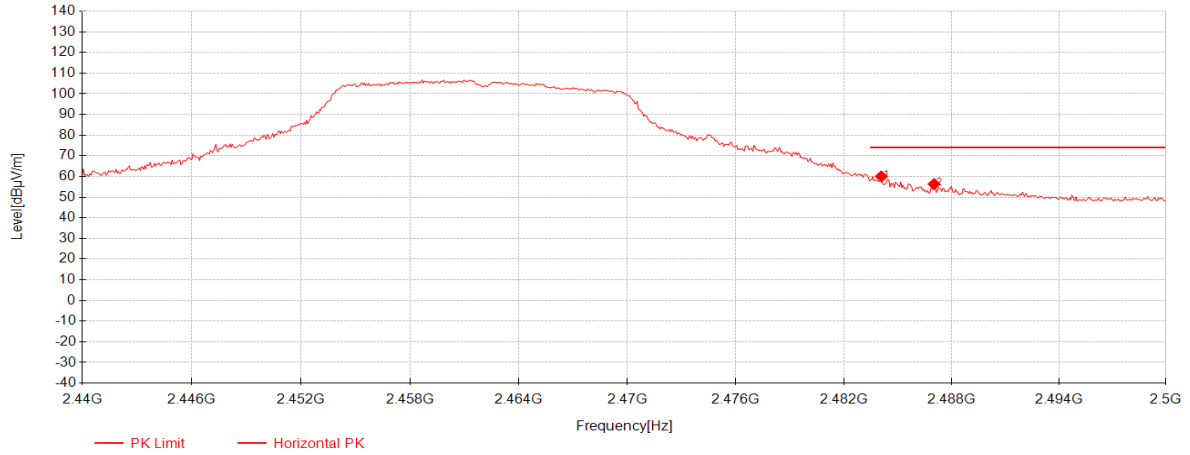


11g_TX_CH_01_Vertical_Average



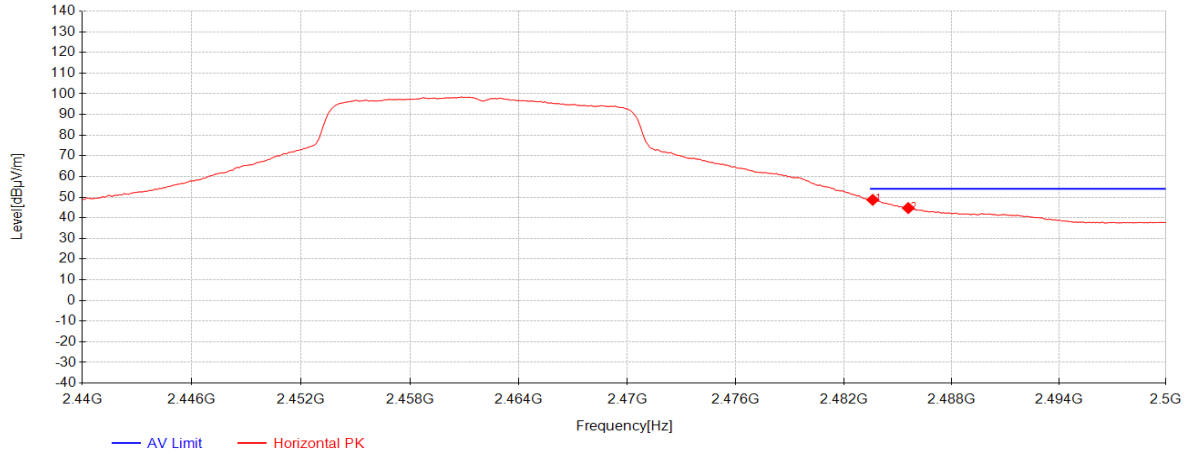
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2377.6	34.32	27.26	-24.83	36.75	54.00	17.25	Vertical
2	2388.91	35.21	27.29	-24.82	37.68	54.00	16.32	Vertical

11g_TX_CH_11_Horizontal_Peak



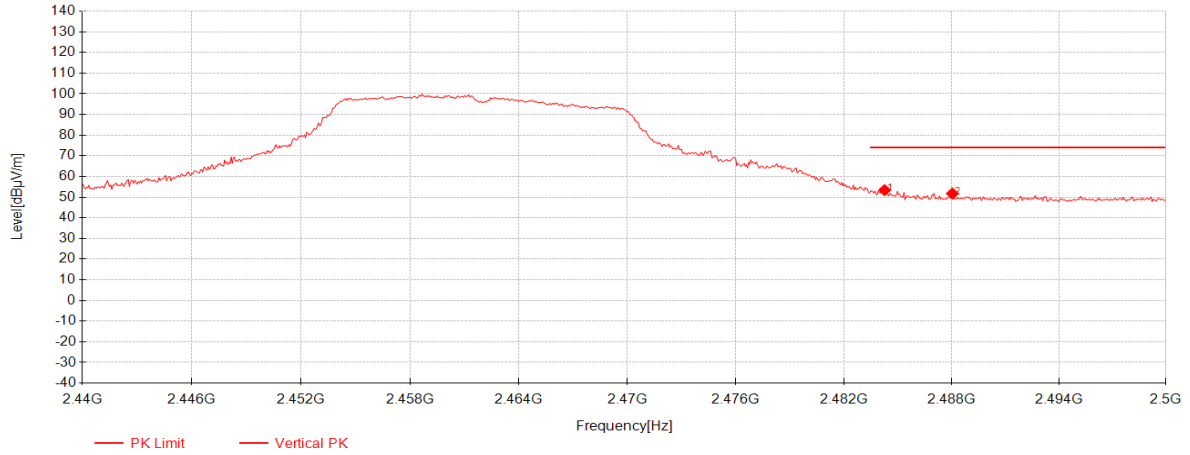
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.1	57.11	27.56	-24.63	60.03	74.00	13.97	Horizontal
2	2487.04	53.38	27.56	-24.63	56.32	74.00	17.68	Horizontal

11g_TX_CH_11_Horizontal_Average



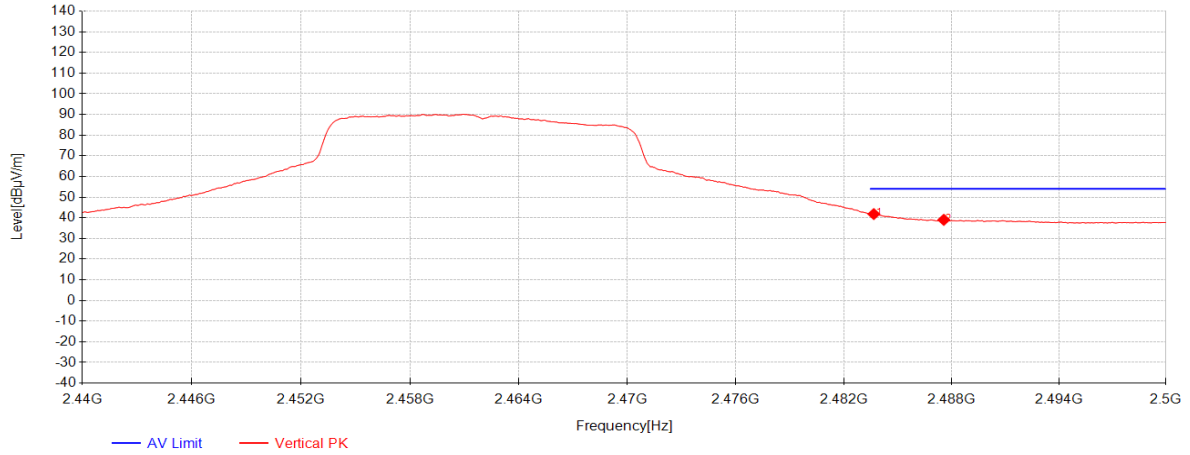
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.62	45.77	27.55	-24.63	48.69	54.00	5.31	Horizontal
2	2485.6	41.78	27.56	-24.63	44.71	54.00	9.29	Horizontal

11g_TX_CH_11_Vertical_Peak



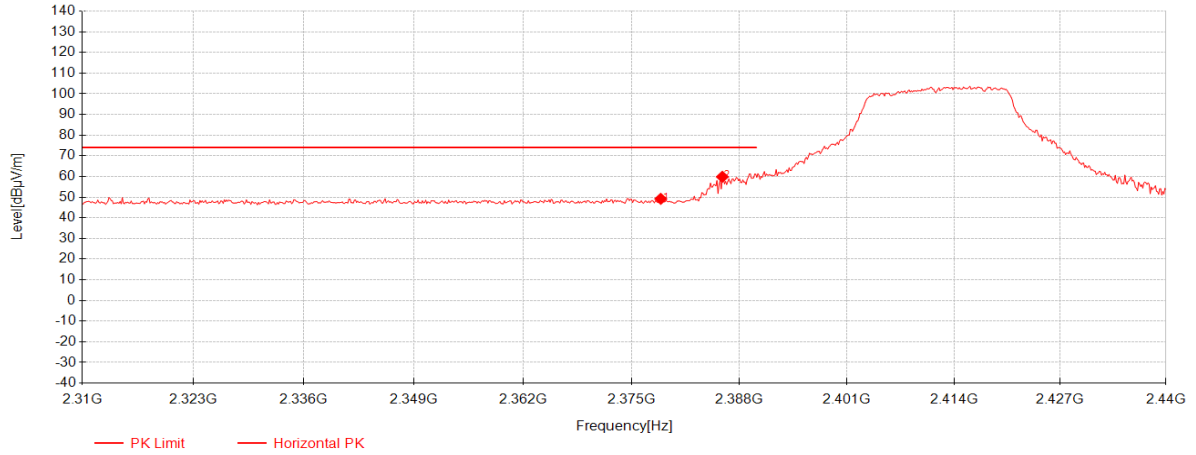
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.28	50.48	27.56	-24.63	53.40	74.00	20.60	Vertical
2	2488.06	48.80	27.57	-24.63	51.74	74.00	22.26	Vertical

11g_TX_CH_11_Vertical_Average



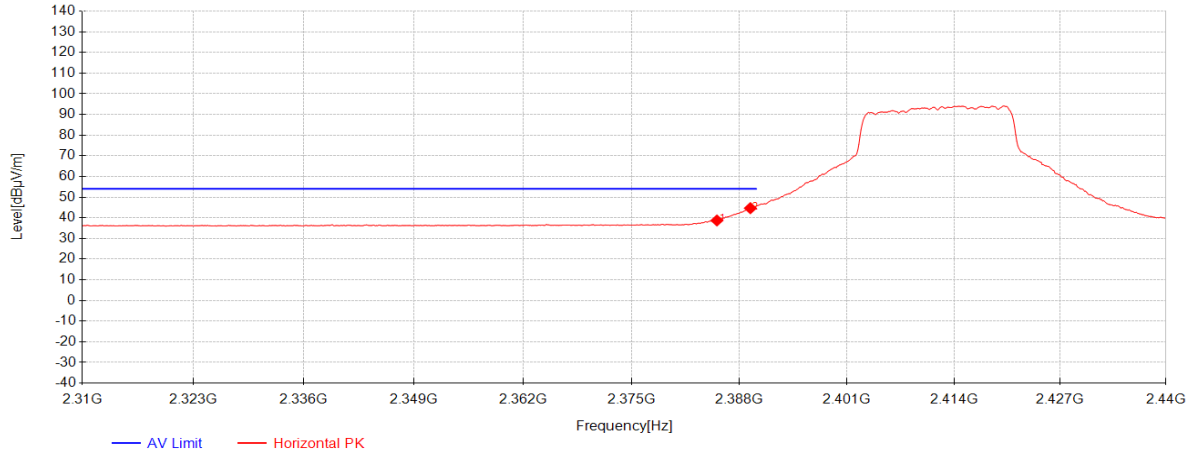
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.68	38.89	27.55	-24.63	41.81	54.00	12.19	Vertical
2	2487.58	36.06	27.57	-24.63	39.00	54.00	15.00	Vertical

11n(HT20)_TX_CH_01_Horizontal_Peak



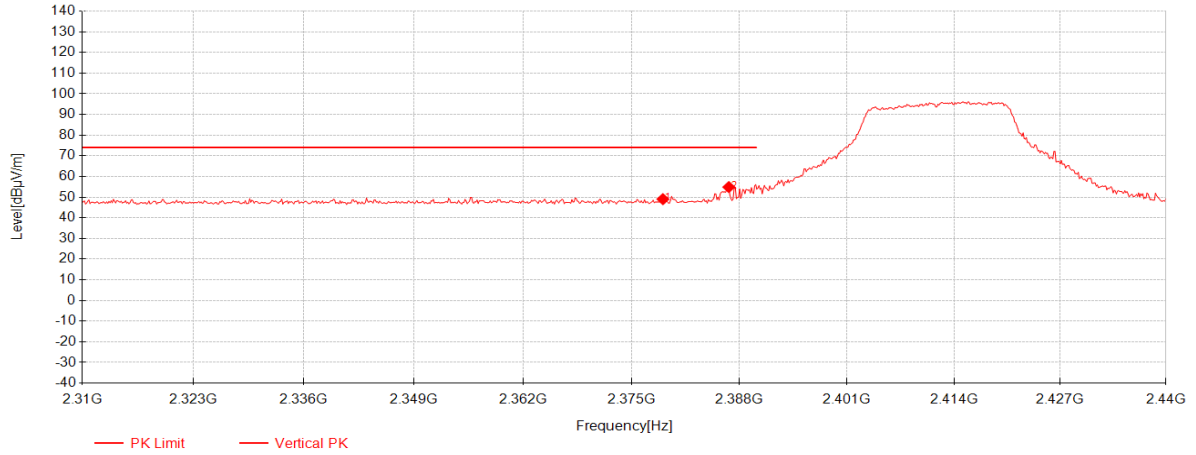
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.51	46.75	27.26	-24.83	49.18	74.00	24.82	Horizontal
2	2385.92	57.38	27.28	-24.82	59.84	74.00	14.16	Horizontal

11n(HT20)_TX_CH_01_Horizontal_Average



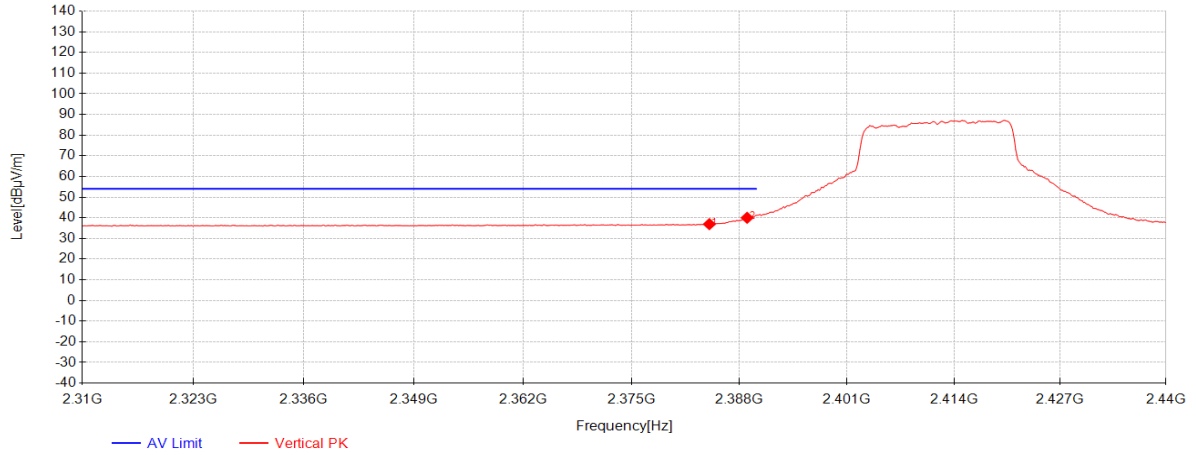
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.27	36.24	27.28	-24.82	38.70	54.00	15.30	Horizontal
2	2389.3	42.19	27.29	-24.82	44.66	54.00	9.34	Horizontal

11n(HT20)_TX_CH_01_Vertical_Peak



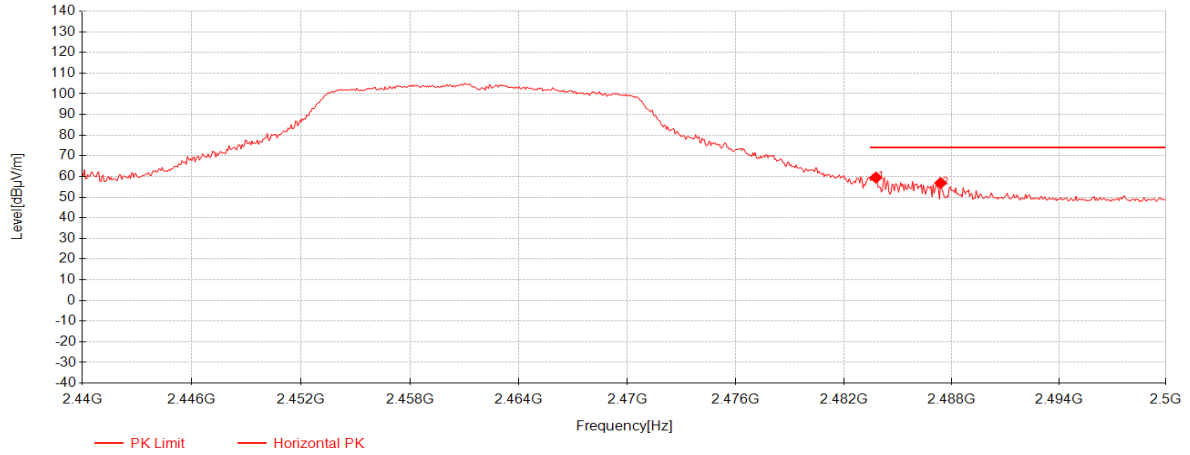
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2378.77	46.58	27.26	-24.82	49.02	74.00	24.98	Vertical
2	2386.7	52.40	27.28	-24.82	54.86	74.00	19.14	Vertical

11n(HT20)_TX_CH_01_Vetical_Average



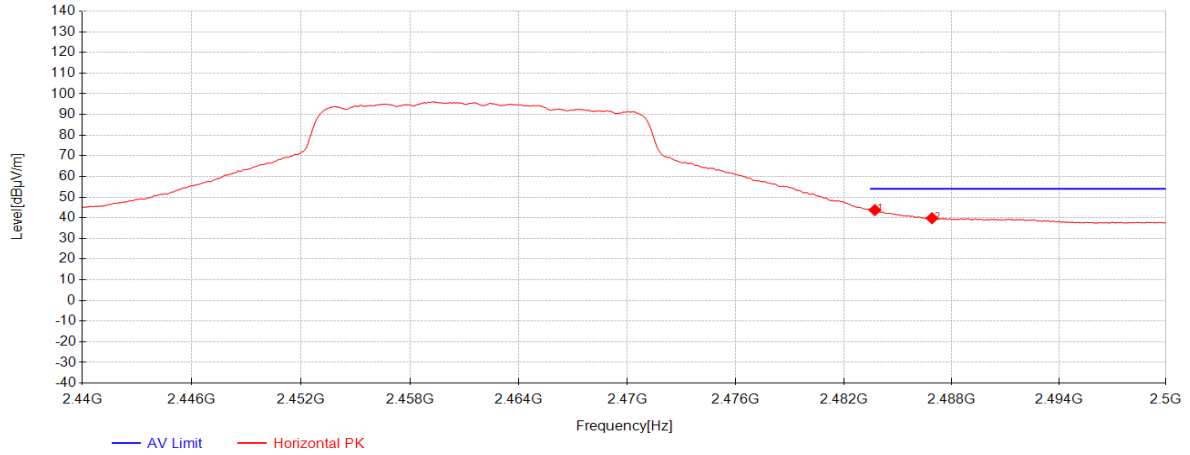
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2384.36	34.47	27.28	-24.82	36.93	54.00	17.07	Vertical
2	2388.91	37.54	27.29	-24.82	40.01	54.00	13.99	Vertical

11n(HT20)_TX_CH_11_Horizontal_Peak



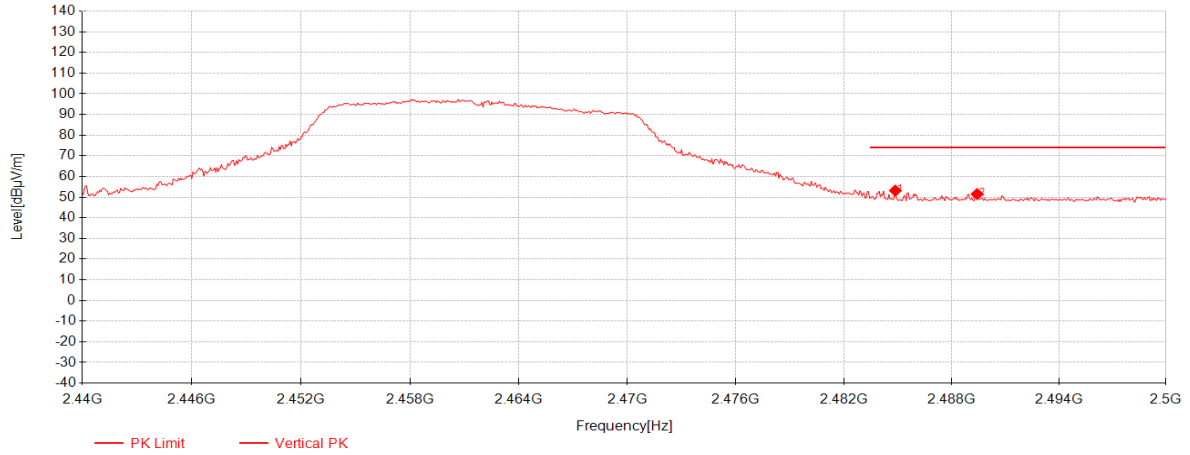
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	56.54	27.55	-24.63	59.46	74.00	14.54	Horizontal
2	2487.4	53.91	27.56	-24.63	56.85	74.00	17.15	Horizontal

11n(HT20)_TX_CH_11_Horizontal_Average



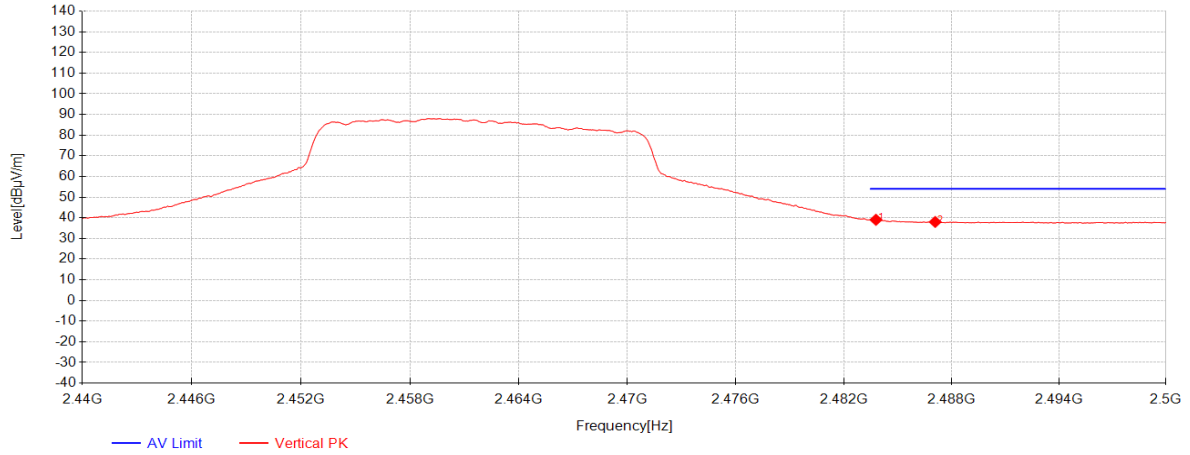
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.74	40.81	27.55	-24.63	43.73	54.00	10.27	Horizontal
2	2486.92	36.84	27.56	-24.63	39.78	54.00	14.22	Horizontal

11n(HT20)_TX_CH_11_Vetical_Peak



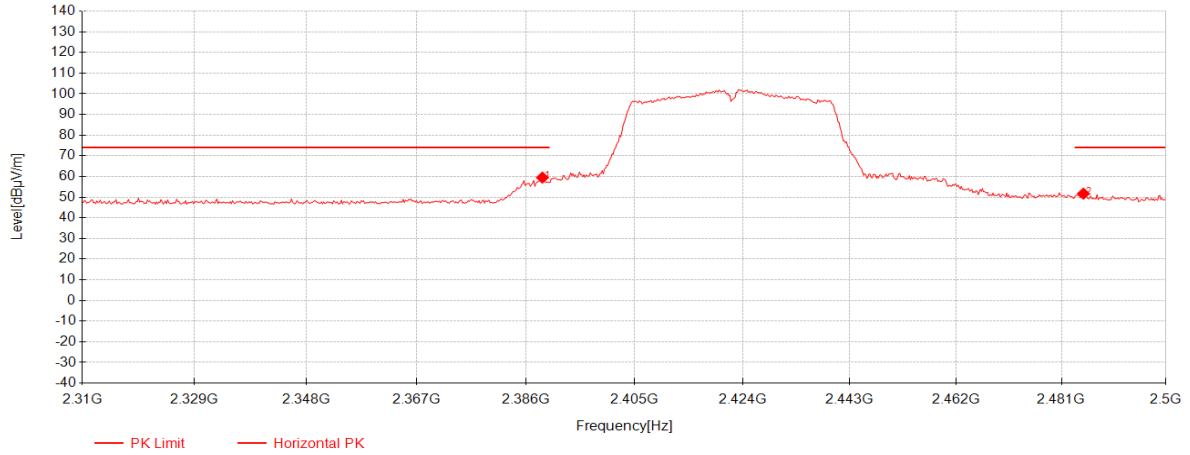
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.88	50.23	27.56	-24.63	53.16	74.00	20.84	Vertical
2	2489.44	48.53	27.57	-24.62	51.48	74.00	22.52	Vertical

11n(HT20)_TX_CH_11_Vetical_Average



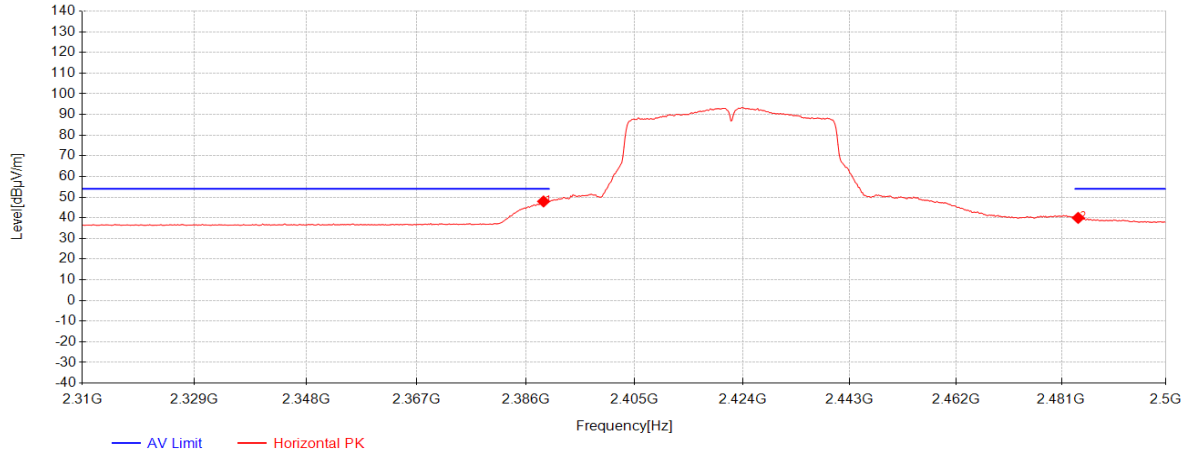
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.8	36.11	27.55	-24.63	39.03	54.00	14.97	Vertical
2	2487.1	35.06	27.56	-24.63	38.00	54.00	16.00	Vertical

11n(HT40)_TX_CH_03_Horizontal_Peak



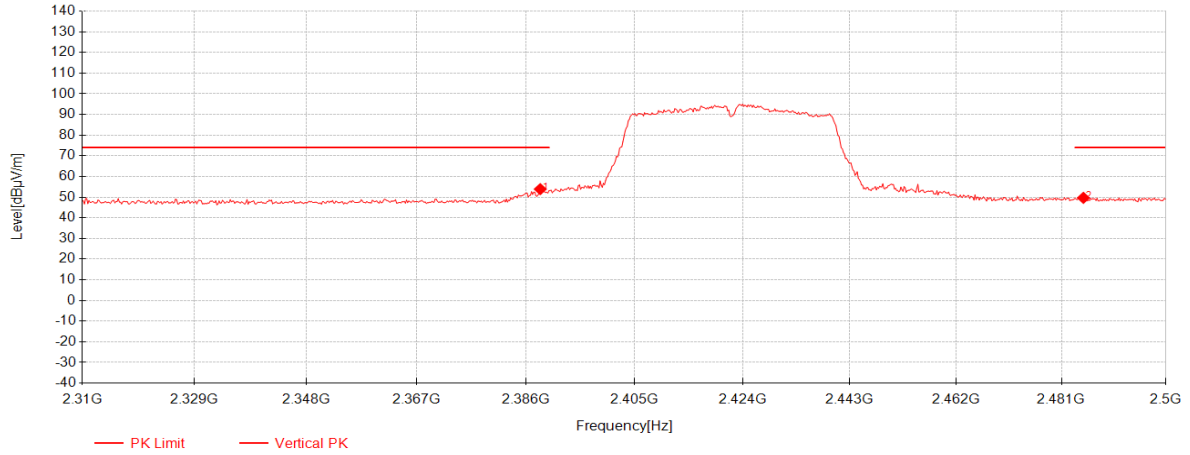
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.85	56.98	27.29	-24.82	59.45	74.00	14.55	Horizontal
2	2484.99	48.76	27.56	-24.63	51.69	74.00	22.31	Horizontal

11n(HT40)_TX_CH_03_Horizontal_Average



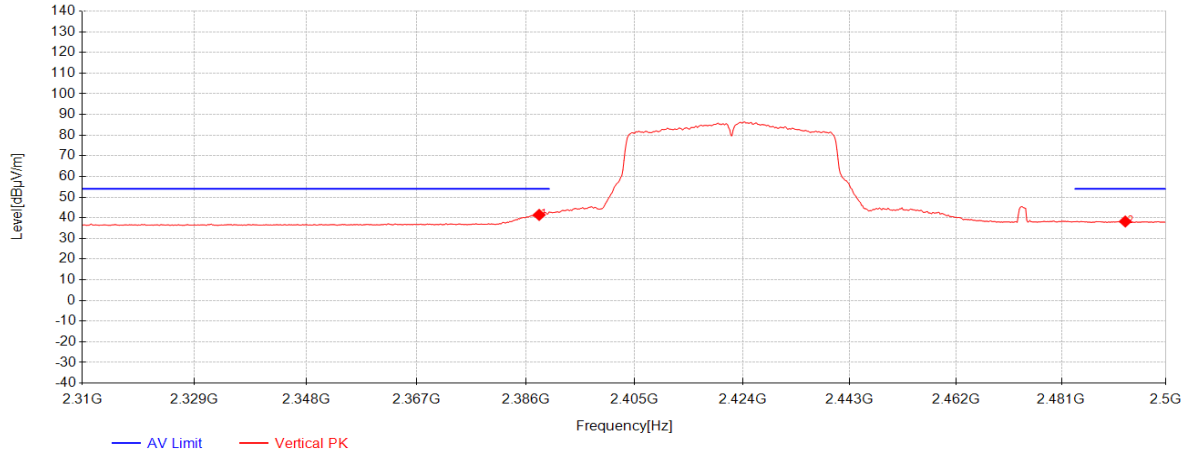
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.04	45.45	27.29	-24.82	47.92	54.00	6.08	Horizontal
2	2484.04	37.03	27.56	-24.63	39.95	54.00	14.05	Horizontal

11n(HT40)_TX_CH_03_Vetical_Peak



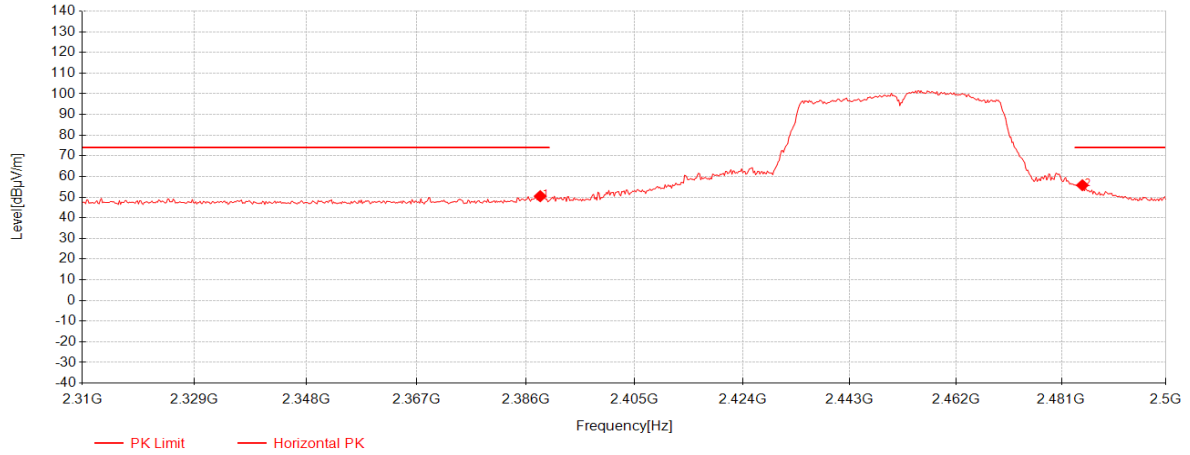
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.47	51.41	27.29	-24.82	53.88	74.00	20.12	Vertical
2	2484.99	46.72	27.56	-24.63	49.65	74.00	24.35	Vertical

11n(HT40)_TX_CH_03_Vetical_Average



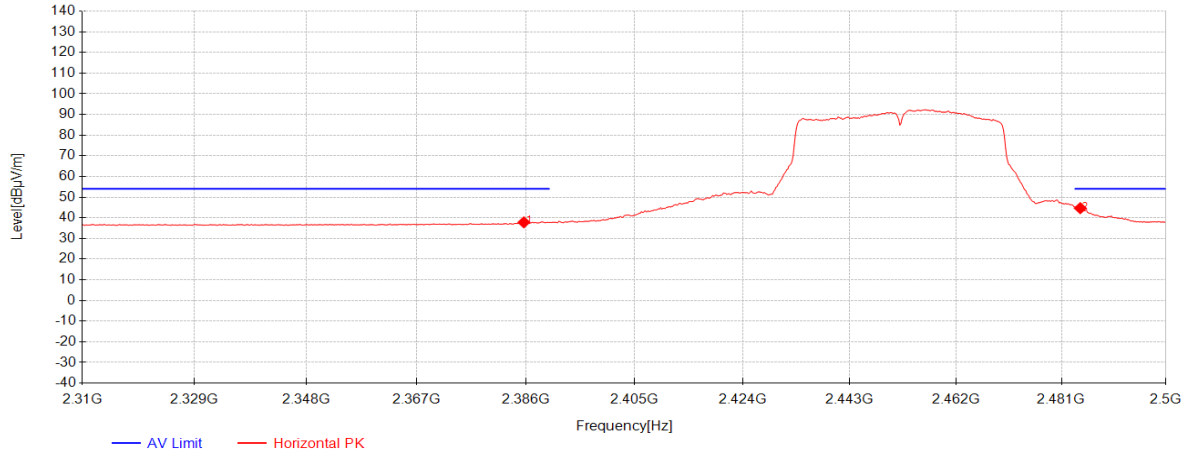
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.28	38.93	27.29	-24.82	41.40	54.00	12.60	Vertical
2	2492.59	35.25	27.58	-24.62	38.21	54.00	15.79	Vertical

11n(HT40)_TX_CH_09_Horizontal_Peak



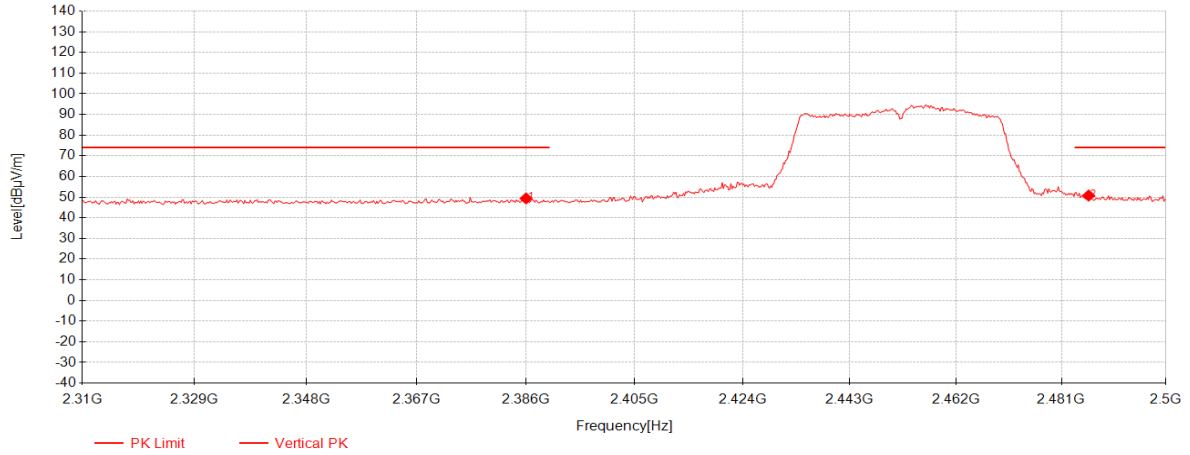
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.47	47.99	27.29	-24.82	50.46	74.00	23.54	Horizontal
2	2484.8	52.84	27.56	-24.63	55.77	74.00	18.23	Horizontal

11n(HT40)_TX_CH_09_Horizontal_Average



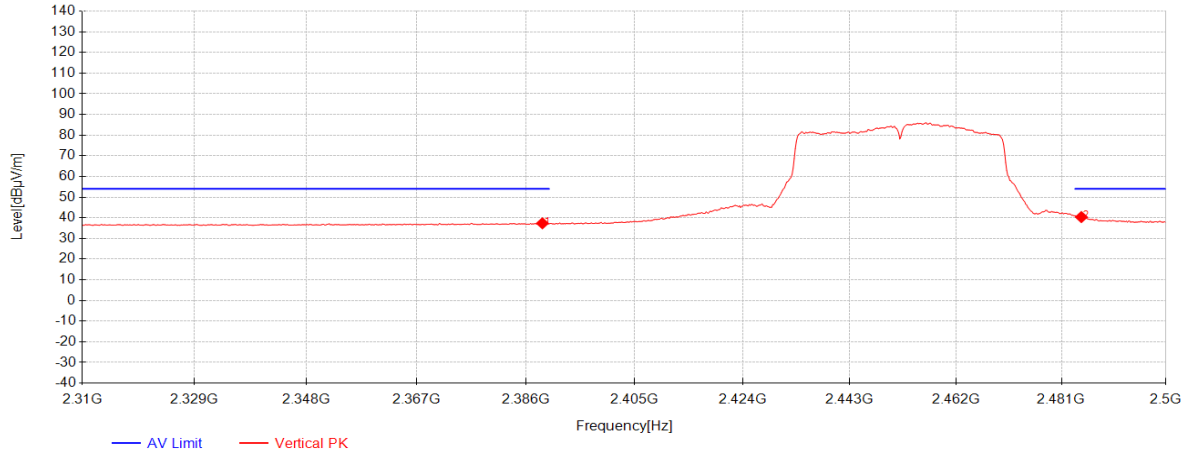
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2385.62	35.35	27.28	-24.82	37.81	54.00	16.19	Horizontal
2	2484.42	41.73	27.56	-24.63	44.65	54.00	9.35	Horizontal

11n(HT40)_TX_CH_09_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386	46.90	27.28	-24.82	49.36	74.00	24.64	Vertical
2	2485.94	47.84	27.56	-24.63	50.77	74.00	23.23	Vertical

11n(HT40)_TX_CH_09_Vertical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.85	34.87	27.29	-24.82	37.34	54.00	16.66	Vertical
2	2484.61	37.43	27.56	-24.63	40.35	54.00	13.65	Vertical

7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4,6.5
 Measurement Distance: 3m

Limit:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	Field strength (dBμV/m@3m)
0.009-0.490	2400/F(kHz)	300	128.5 to 93.8
0.490-1.705	24000/F(kHz)	30	73.8 to 62.9
1.705-30.0	30	30	69.60
30-88	100	3	40.0
88-216	150	3	43.5
216-960	200	3	46.0
960-1000	500	3	54.0

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

7.3.1 E.U.T. Operation

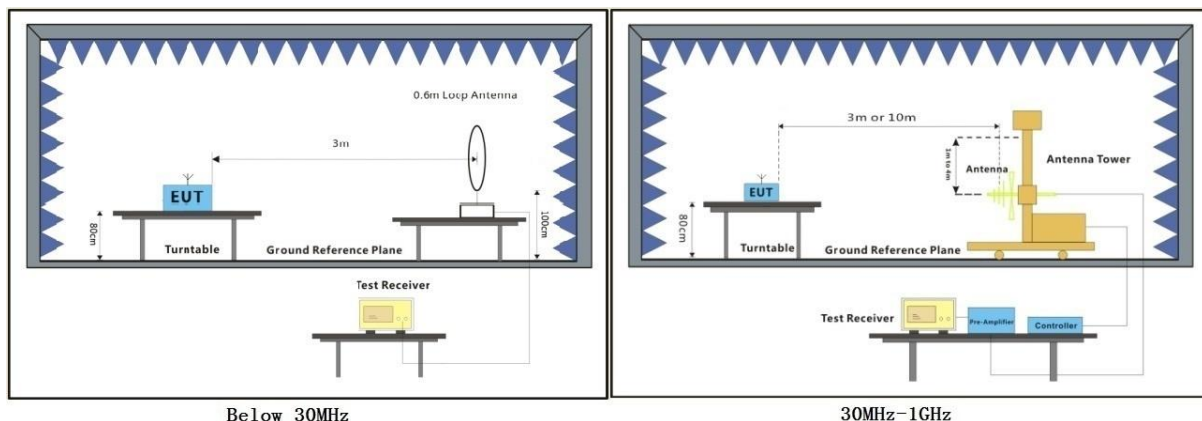
Operating Environment:

Temperature: 23 °C Humidity: 43 % RH Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



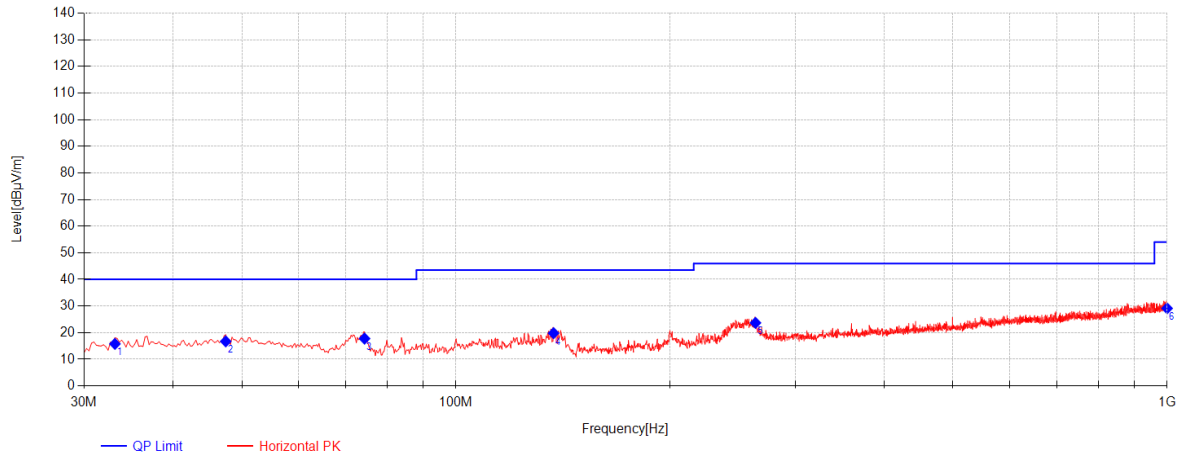
7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

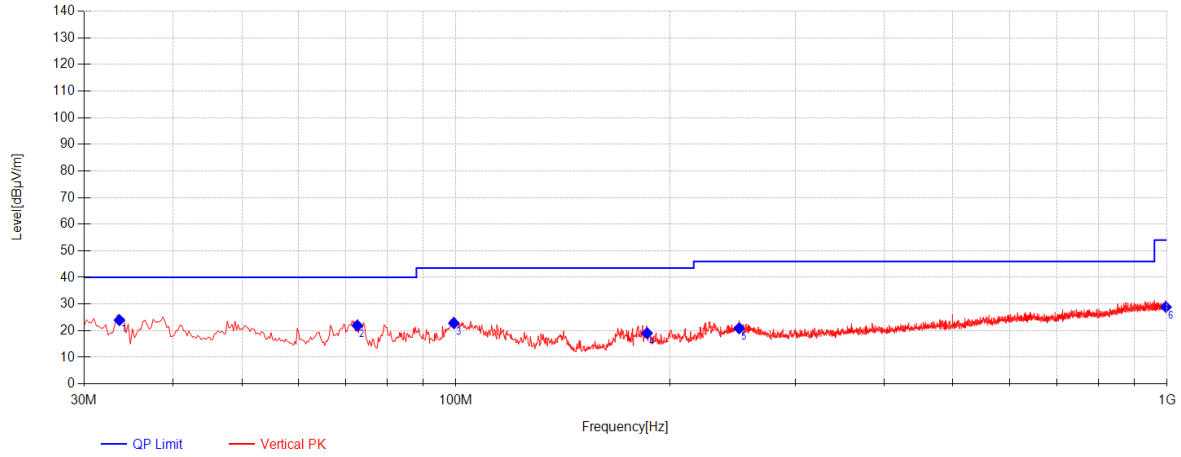
- 1 Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

Test Mode: 03; Polarity: Horizontal



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	33.1525	39.98	17.13	-41.33	15.78	40.00	24.22	Horizontal
2	47.46	37.6	20.15	-41.03	16.72	40.00	23.28	Horizontal
3	74.3775	43.28	15.19	-40.70	17.77	40.00	22.23	Horizontal
4	137.185	43.79	15.95	-39.93	19.81	43.50	23.69	Horizontal
5	263.77	43.39	19.00	-38.72	23.67	46.00	22.33	Horizontal
6	1000	34.71	28.10	-33.68	29.13	54.00	24.87	Horizontal

Test Mode: 03; Polarity: Vertical



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	33.6375	48.04	17.23	-41.32	23.95	40.00	16.05	Vertical
2	72.68	46.64	16.00	-40.74	21.90	40.00	18.10	Vertical
3	99.355	45.93	17.28	-40.40	22.81	43.50	20.69	Vertical
4	185.685	41.81	16.57	-39.33	19.05	43.50	24.45	Vertical
5	250.19	40.77	18.71	-38.59	20.89	46.00	25.11	Vertical
6	996.605	34.49	28.10	-33.72	28.87	54.00	25.13	Vertical

7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.6 & 11.12

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram

