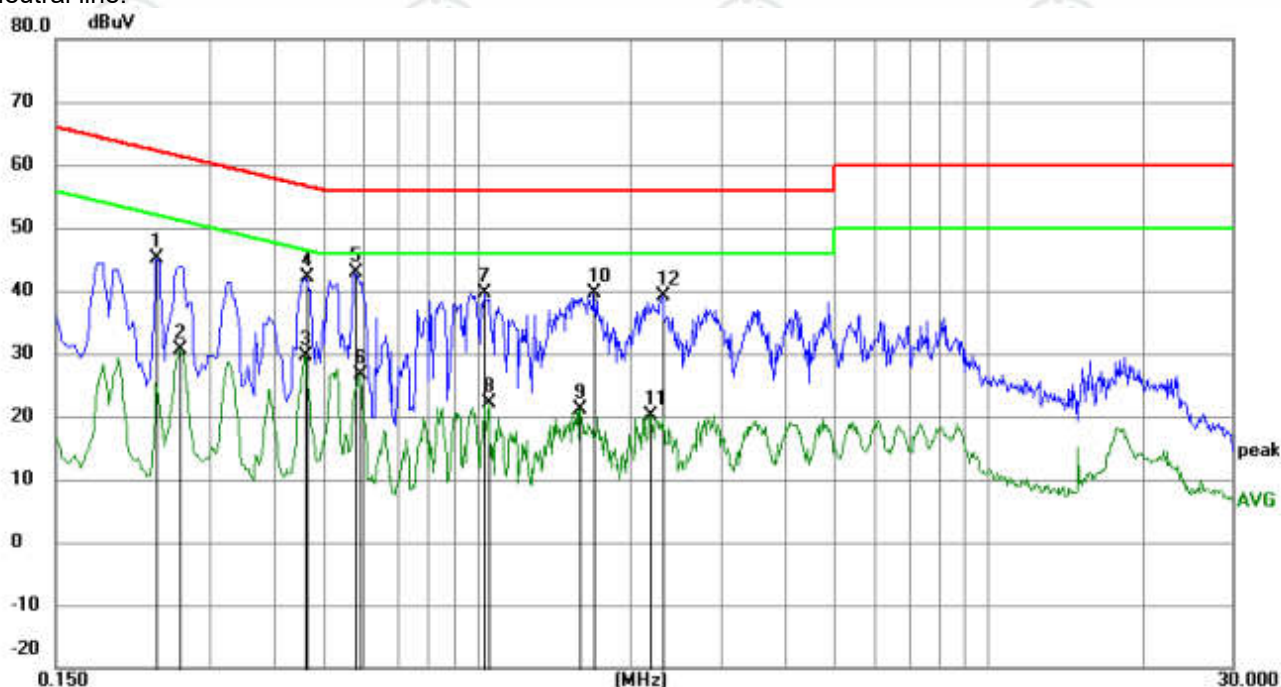


Neutral line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.2355	35.12	9.94	45.06	62.25	-17.19	QP	
2		0.2625	20.51	10.00	30.51	51.35	-20.84	AVG	
3		0.4605	19.75	9.96	29.71	46.68	-16.97	AVG	
4		0.4650	32.05	9.96	42.01	56.60	-14.59	QP	
5	*	0.5775	32.73	10.04	42.77	56.00	-13.23	QP	
6		0.5910	16.62	10.06	26.68	56.00	-29.32	QP	
7		1.0365	29.70	9.83	39.53	56.00	-16.47	QP	
8		1.0545	12.36	9.83	22.19	46.00	-23.81	AVG	
9		1.5900	11.29	9.81	21.10	46.00	-24.90	AVG	
10		1.6980	29.71	9.80	39.51	56.00	-16.49	QP	
11		2.1885	10.31	9.79	20.10	46.00	-25.90	AVG	
12		2.3055	29.32	9.79	39.11	56.00	-16.89	QP	

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

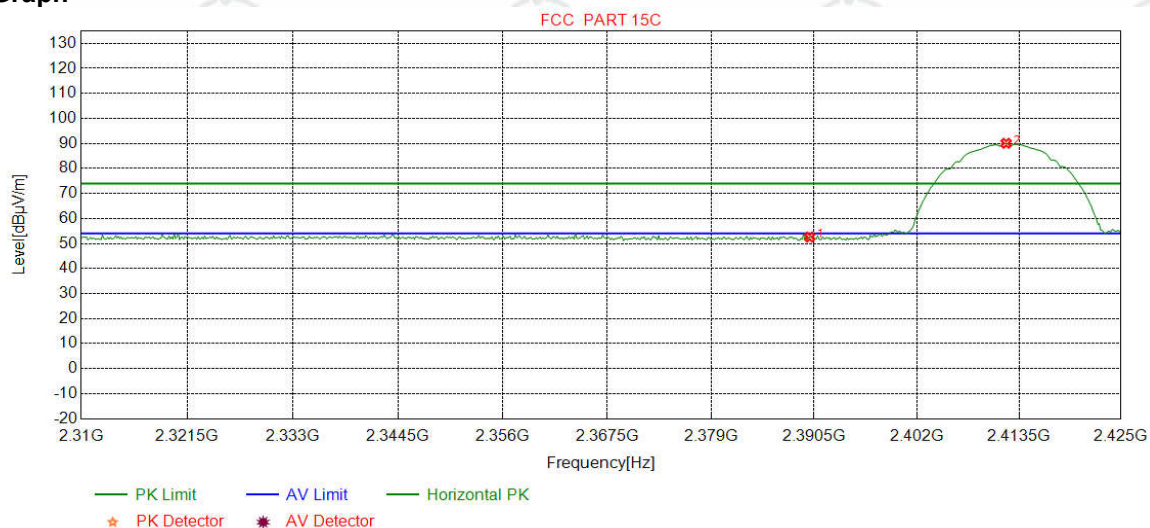
Appendix H): Restricted bands around fundamental frequency (Radiated)

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Test Procedure:	Below 1GHz test procedure as below: Test method Refer as KDB 558074 D01 - The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters 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. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel Above 1GHz test procedure as below: - Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter). - Test the EUT in the lowest channel , the Highest channel - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.				
Limit:	Frequency	Limit (dBμV/m @3m)	Remark		
	30MHz-88MHz	40.0	Quasi-peak Value		
	88MHz-216MHz	43.5	Quasi-peak Value		
	216MHz-960MHz	46.0	Quasi-peak Value		
	960MHz-1GHz	54.0	Quasi-peak Value		
	Above 1GHz	54.0	Average Value		
		74.0	Peak Value		

Test plot as follows:

Mode:	802.11 b Transmitting	Channel:	2412
Remark:	PK		

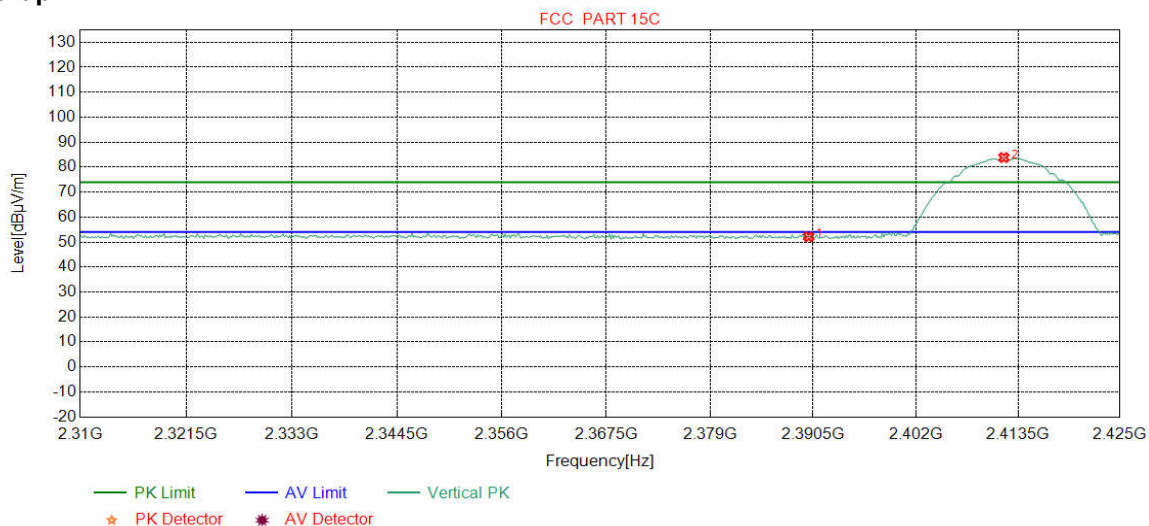
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	50.07	52.57	74.00	21.43	Pass	Horizontal
2	2412.0463	32.28	13.36	-43.13	87.54	90.05	74.00	-16.05	Pass	Horizontal

Mode:	802.11 b Transmitting	Channel:	2412
Remark:	PK		

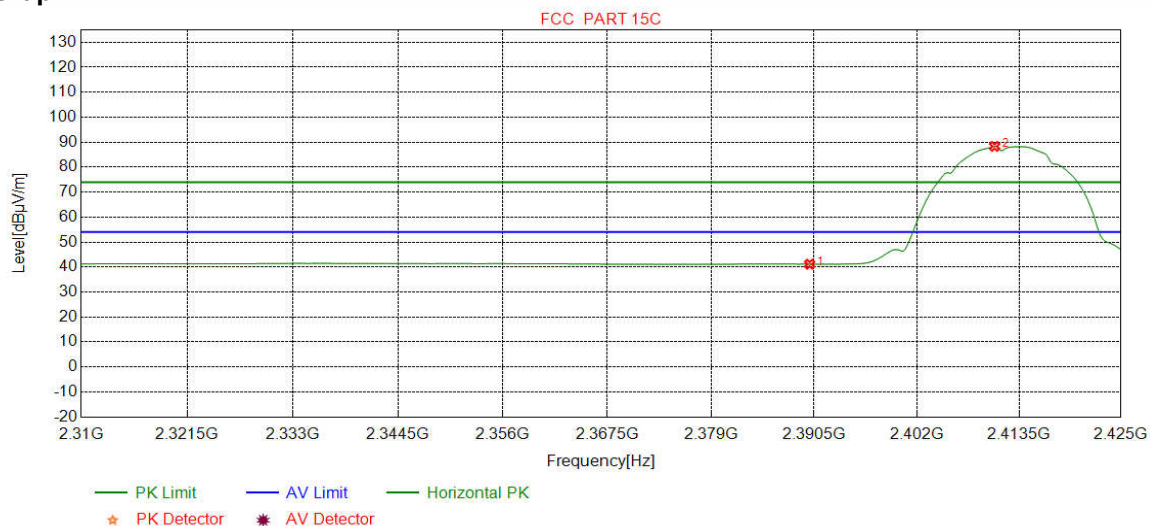
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.63	52.13	74.00	21.87	Pass	Vertical
2	2411.9024	32.28	13.35	-43.12	81.33	83.84	74.00	-9.84	Pass	Vertical

Mode:	802.11 b Transmitting	Channel:	2412
Remark:	AV		

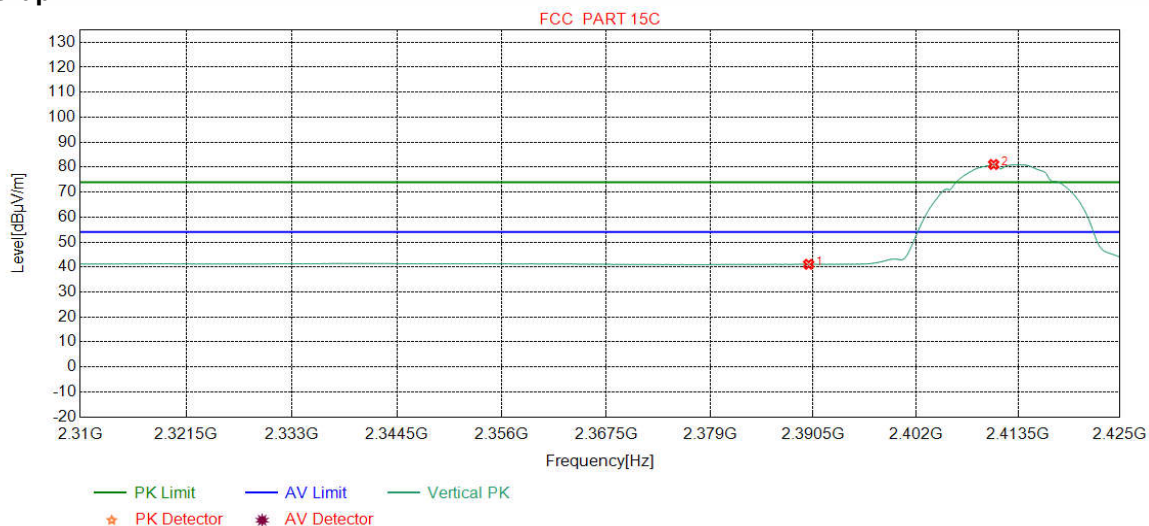
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.65	41.15	54.00	12.85	Pass	Horizontal
2	2410.7509	32.28	13.35	-43.12	85.80	88.31	54.00	-34.31	Pass	Horizontal

Mode:	802.11 b Transmitting	Channel:	2412
Remark:	AV		

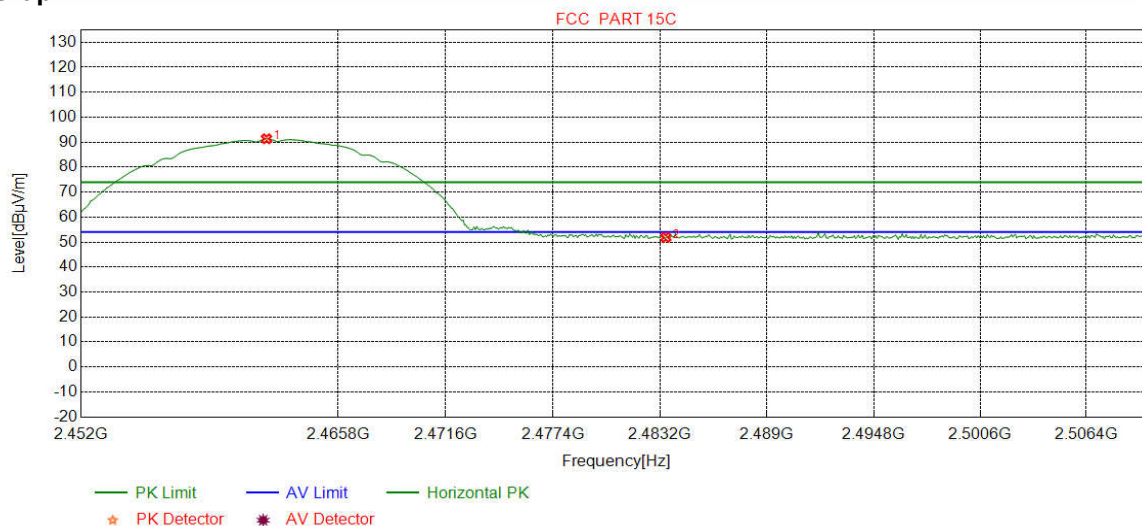
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.59	41.09	54.00	12.91	Pass	Vertical
2	2410.7509	32.28	13.35	-43.12	78.56	81.07	54.00	-27.07	Pass	Vertical

Mode:	802.11 b Transmitting	Channel:	2462
Remark:	PK		

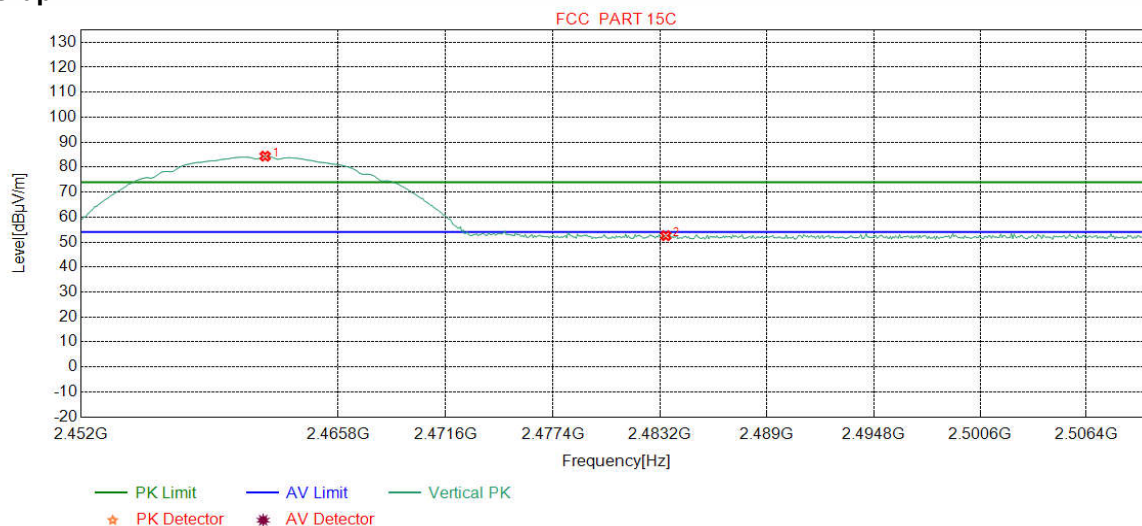
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2461.9449	32.35	13.48	-43.12	88.65	91.36	74.00	-17.36	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	49.20	51.85	74.00	22.15	Pass	Horizontal

Mode:	802.11 b Transmitting	Channel:	2462
Remark:	PK		

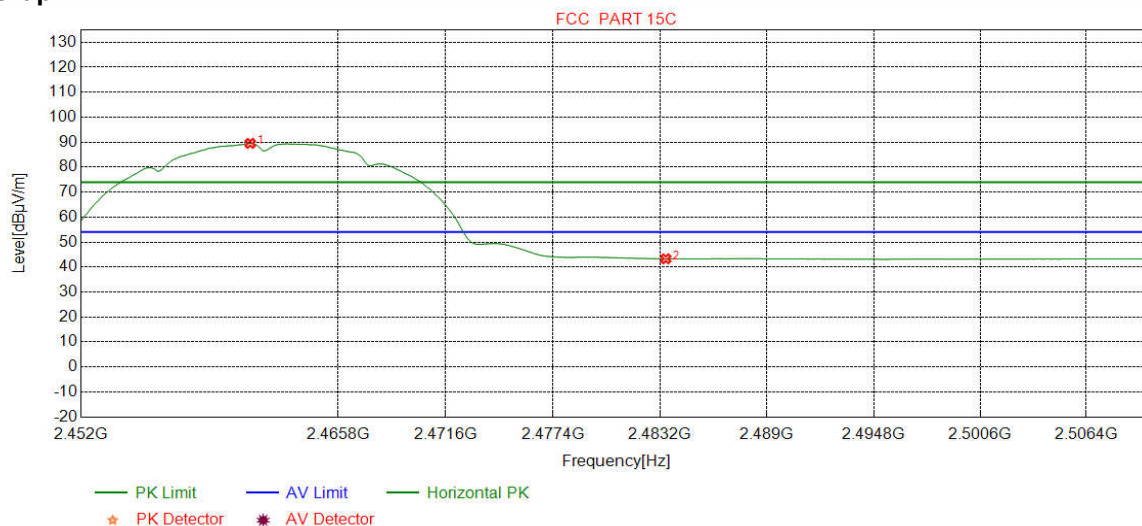
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2461.8723	32.35	13.48	-43.12	81.68	84.39	74.00	-10.39	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.91	52.56	74.00	21.44	Pass	Vertical

Mode:	802.11 b Transmitting	Channel:	2462
Remark:	AV		

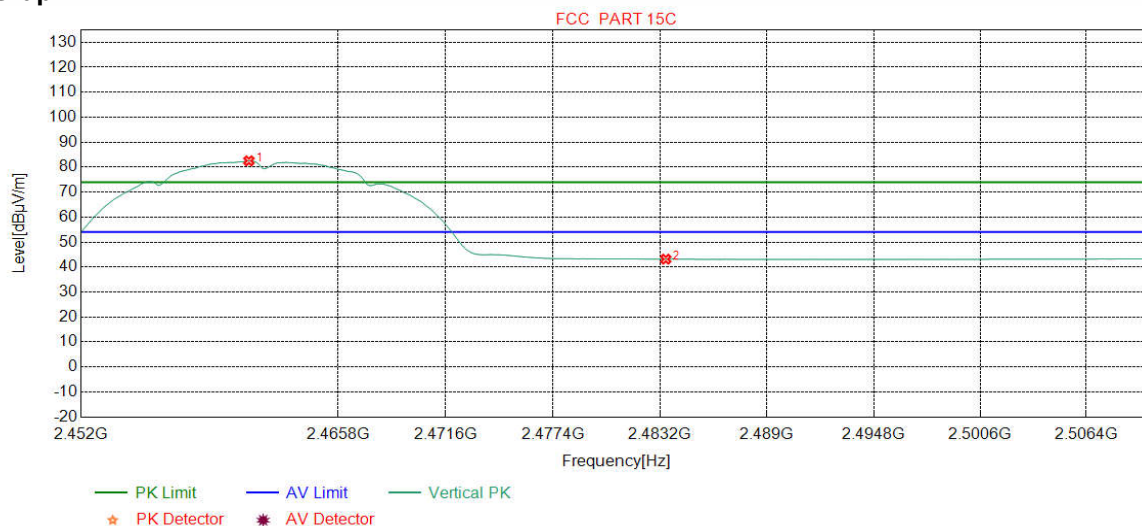
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2461.0738	32.35	13.48	-43.11	86.80	89.52	54.00	-35.52	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.64	43.29	54.00	10.71	Pass	Horizontal

Mode:	802.11 b Transmitting	Channel:	2462
Remark:	AV		

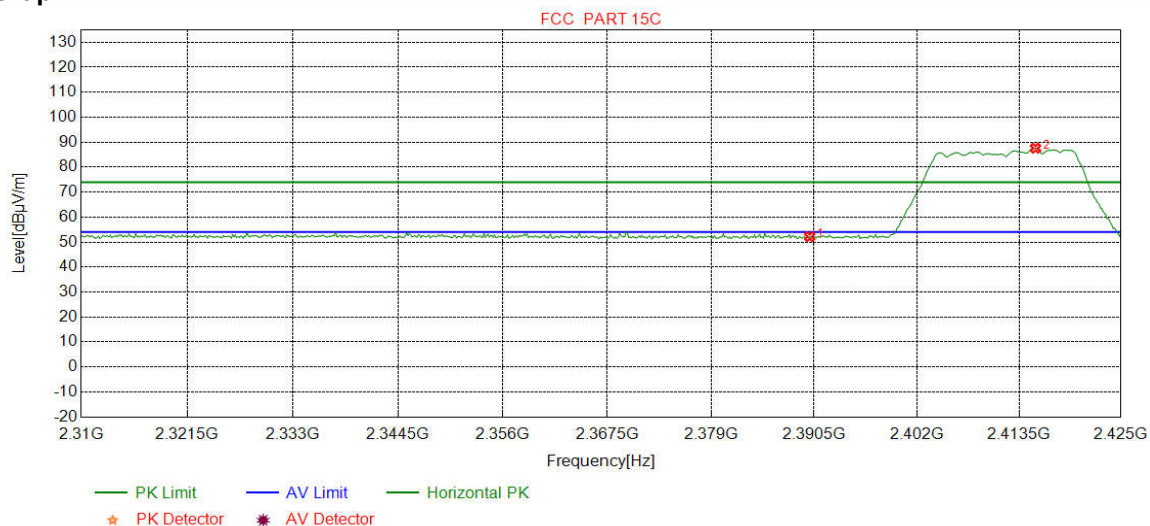
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2461.0013	32.35	13.48	-43.11	79.81	82.53	54.00	-28.53	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.51	43.16	54.00	10.84	Pass	Vertical

Mode:	802.11 g Transmitting	Channel:	2412
Remark:	PK		

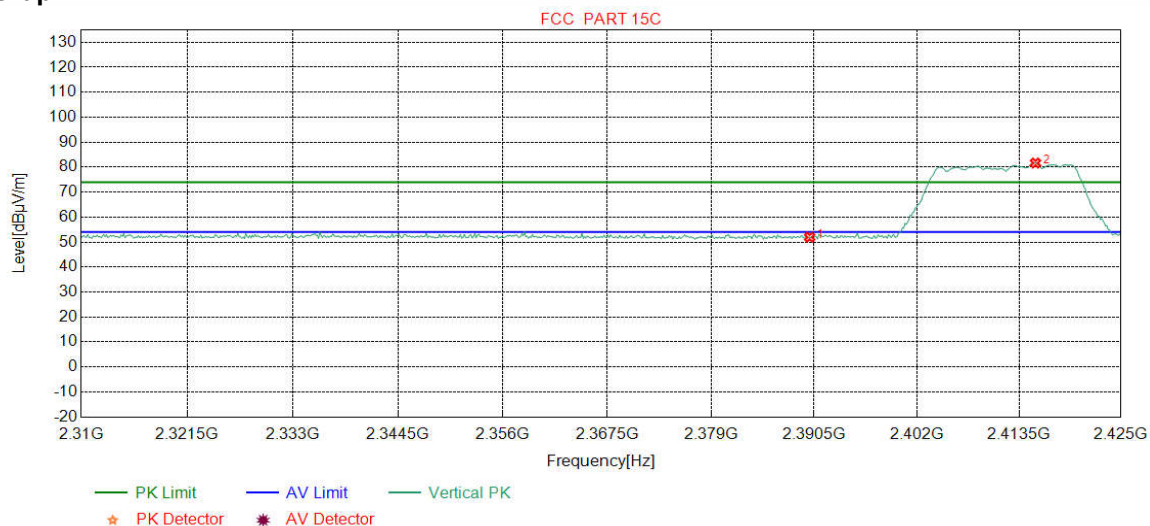
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.66	52.16	74.00	21.84	Pass	Horizontal
2	2415.3567	32.28	13.37	-43.11	85.04	87.58	74.00	-13.58	Pass	Horizontal

Mode:	802.11 g Transmitting	Channel:	2412
Remark:	PK		

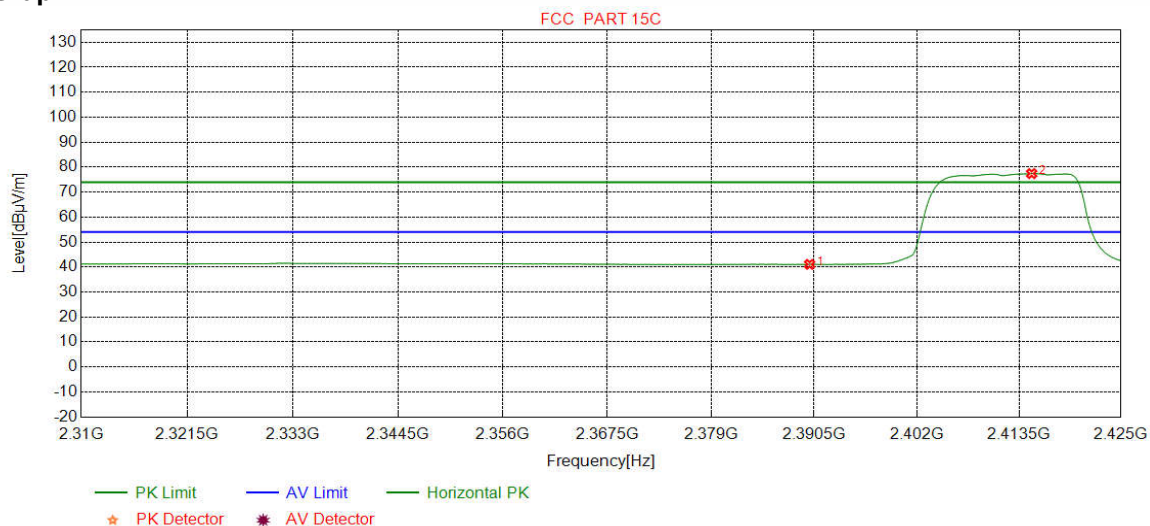
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.46	51.96	74.00	22.04	Pass	Vertical
2	2415.3567	32.28	13.37	-43.11	79.11	81.65	74.00	-7.65	Pass	Vertical

Mode:	802.11 g Transmitting	Channel:	2412
Remark:	AV		

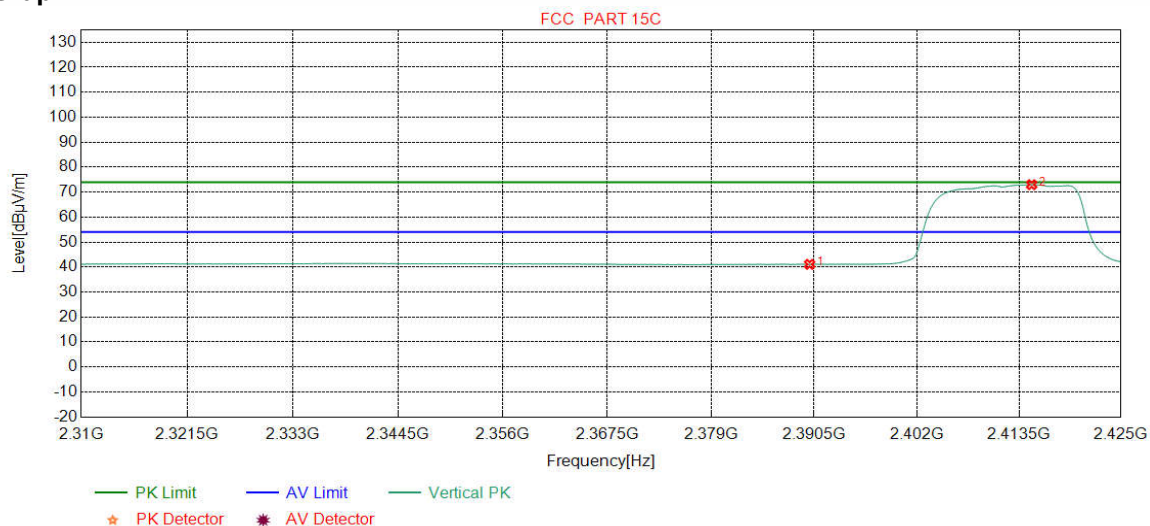
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.57	41.07	54.00	12.93	Pass	Horizontal
2	2414.9249	32.28	13.37	-43.12	74.89	77.42	54.00	-23.42	Pass	Horizontal

Mode:	802.11 g Transmitting	Channel:	2412
Remark:	AV		

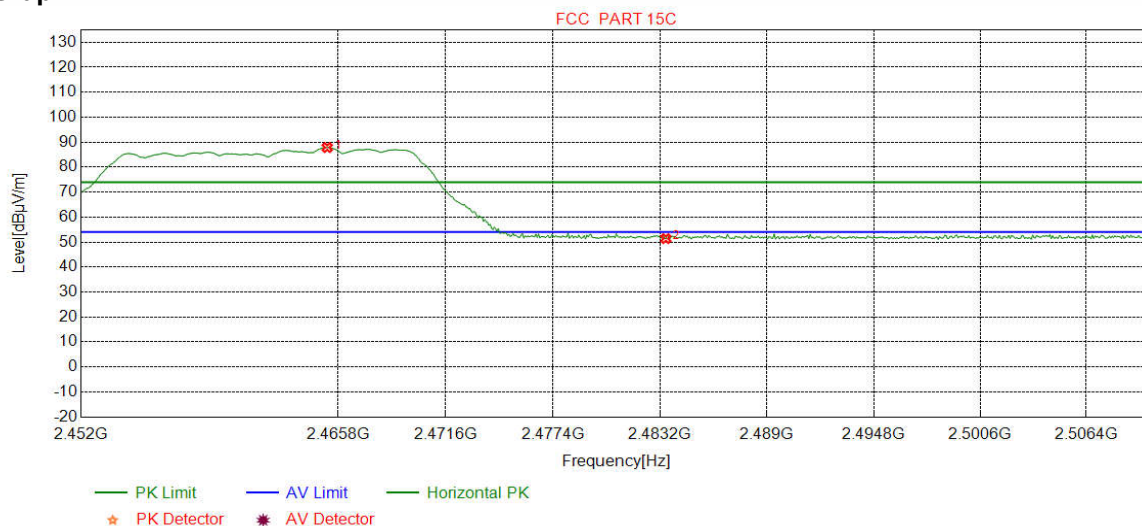
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.58	41.08	54.00	12.92	Pass	Vertical
2	2414.9249	32.28	13.37	-43.12	70.45	72.98	54.00	-18.98	Pass	Vertical

Mode:	802.11 g Transmitting	Channel:	2462
Remark:	PK		

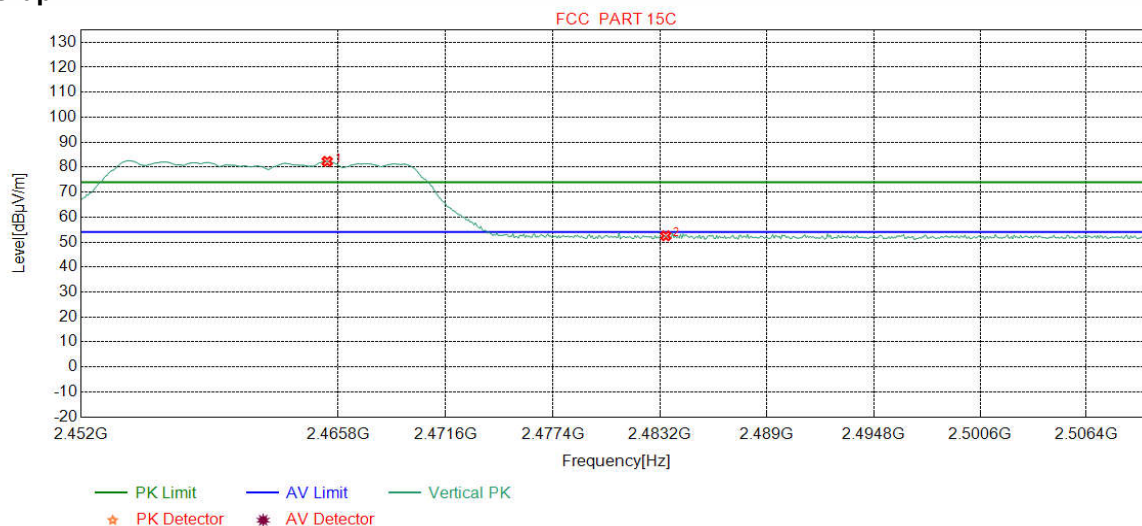
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2465.2115	32.35	13.46	-43.11	85.16	87.86	74.00	-13.86	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.74	51.39	74.00	22.61	Pass	Horizontal

Mode:	802.11 g Transmitting	Channel:	2462
Remark:	PK		

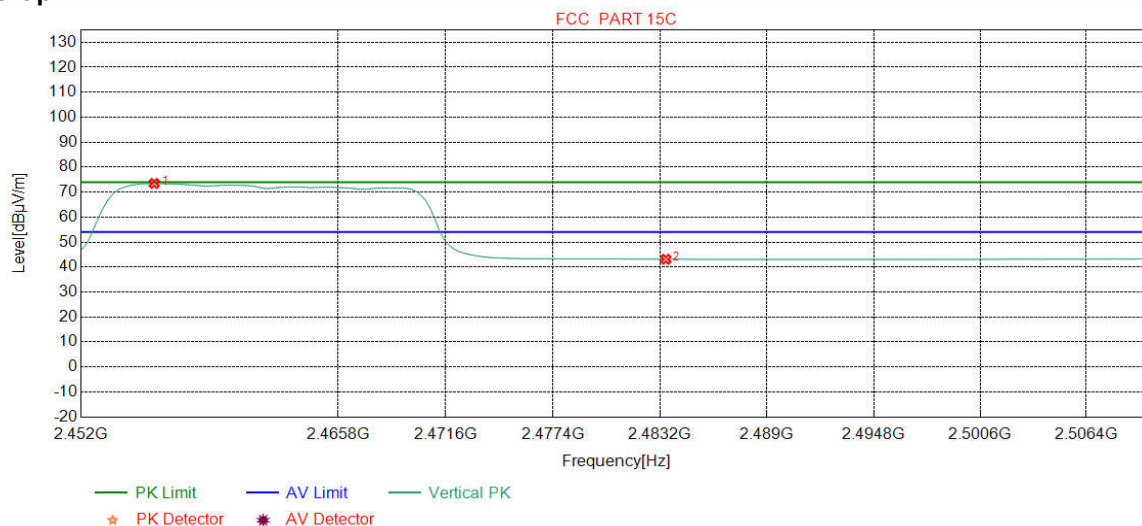
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2465.2115	32.35	13.46	-43.11	79.61	82.31	74.00	-8.31	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.86	52.51	74.00	21.49	Pass	Vertical

Mode:	802.11 g Transmitting	Channel:	2462
Remark:	AV		

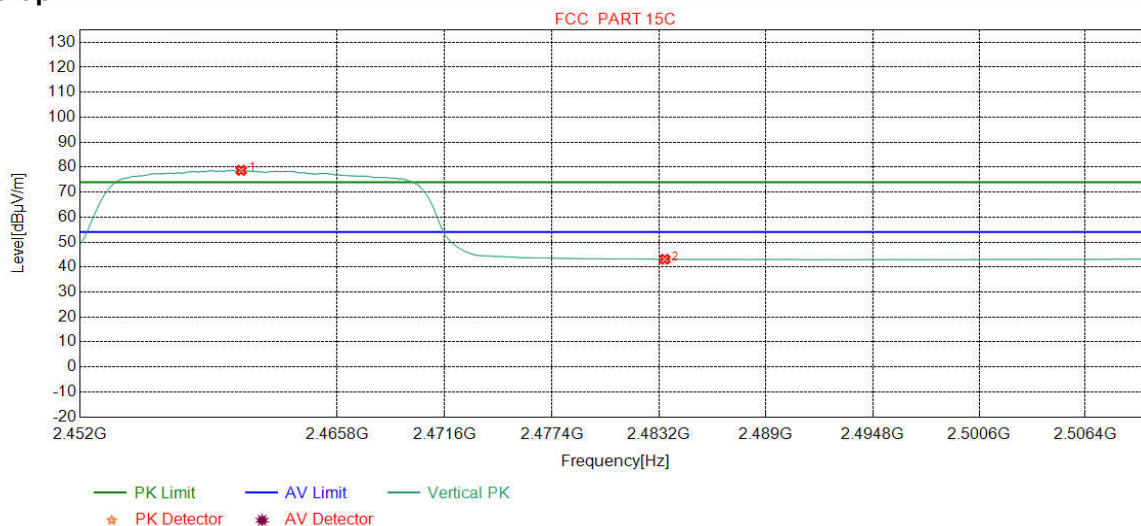
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2465.2115	32.35	13.46	-43.11	75.18	77.88	54.00	-23.88	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.55	43.20	54.00	10.80	Pass	Horizontal

Mode:	802.11 g Transmitting	Channel:	2462
Remark:	AV		

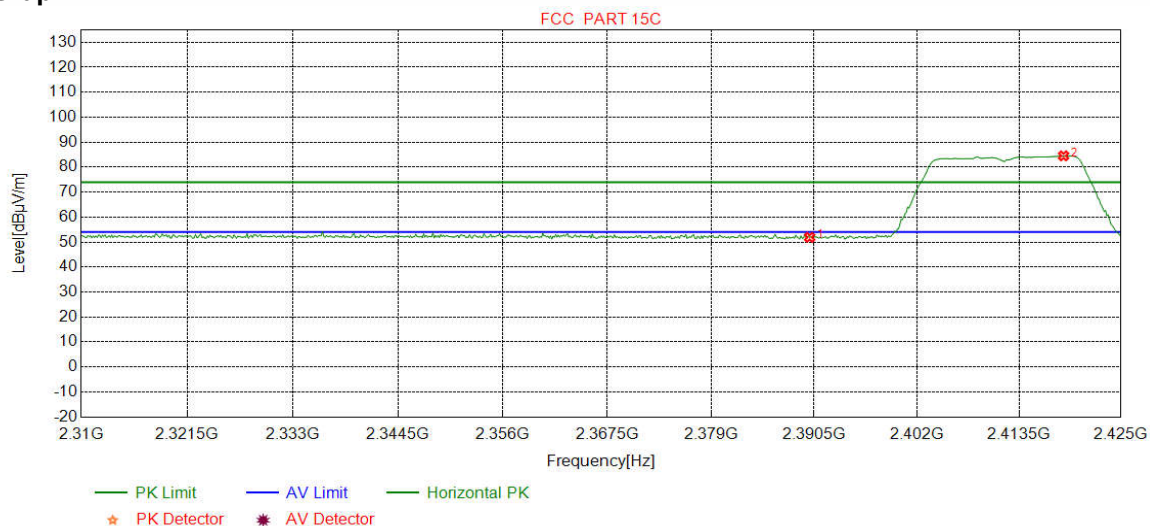
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2460.6383	32.34	13.48	-43.10	76.01	78.73	54.00	-24.73	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.48	43.13	54.00	10.87	Pass	Vertical

Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	PK		

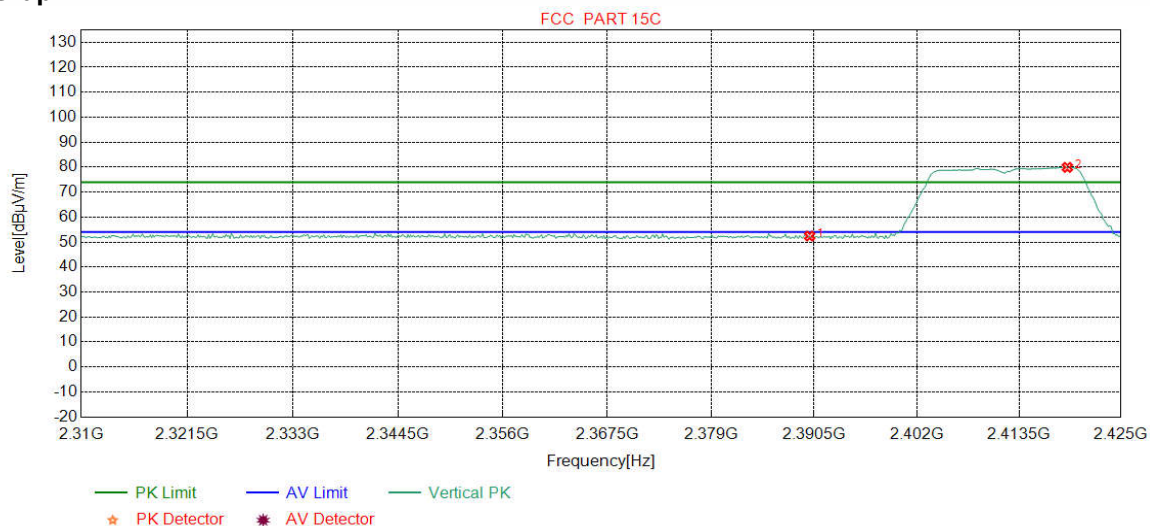
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.40	51.90	74.00	22.10	Pass	Horizontal
2	2418.5232	32.29	13.39	-43.13	81.97	84.52	74.00	-10.52	Pass	Horizontal

Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	PK		

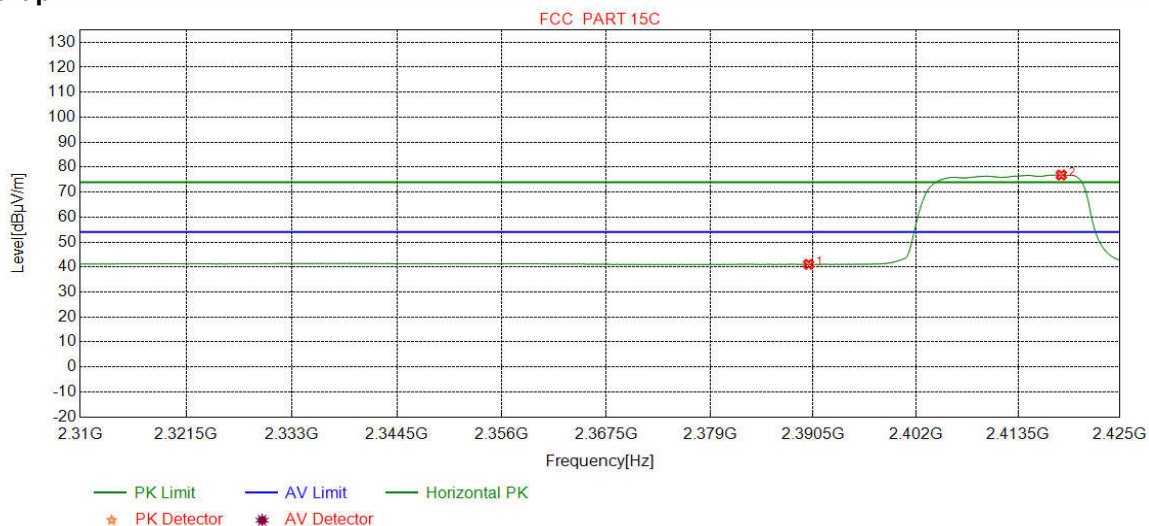
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.92	52.42	74.00	21.58	Pass	Vertical
2	2418.9549	32.29	13.39	-43.12	77.35	79.91	74.00	-5.91	Pass	Vertical

Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	AV		

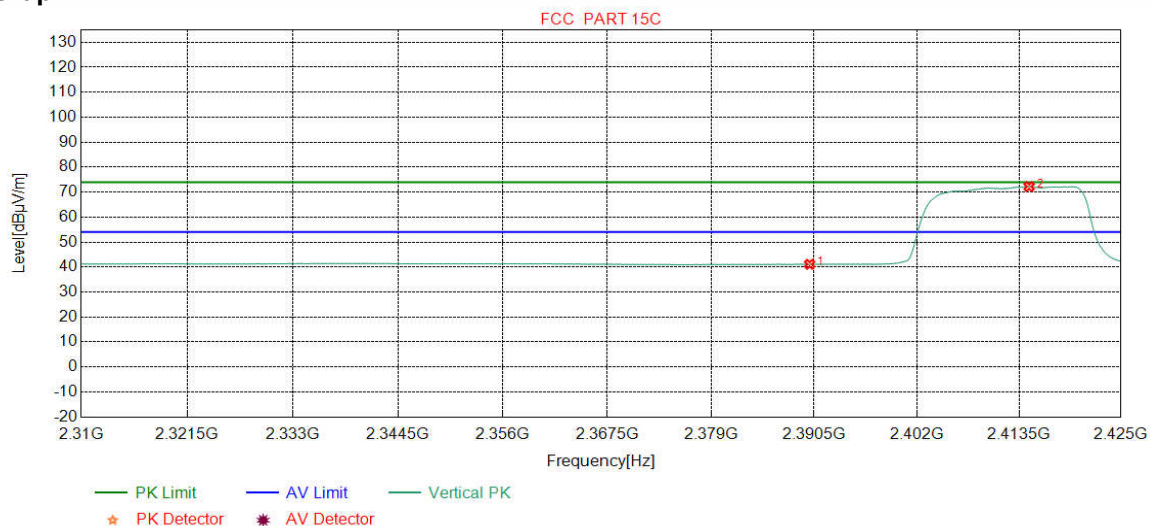
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.59	41.09	54.00	12.91	Pass	Horizontal
2	2418.3792	32.29	13.38	-43.12	74.29	76.84	54.00	-22.84	Pass	Horizontal

Mode:	802.11 n(HT20) Transmitting	Channel:	2412
Remark:	AV		

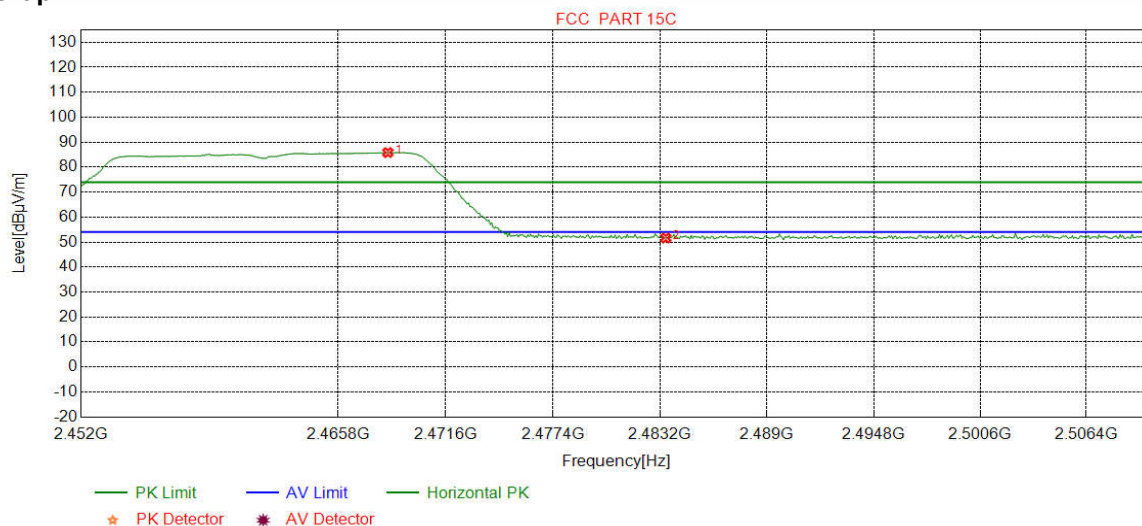
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.61	41.11	54.00	12.89	Pass	Vertical
2	2414.6370	32.28	13.37	-43.12	69.66	72.19	54.00	-18.19	Pass	Vertical

Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	PK		

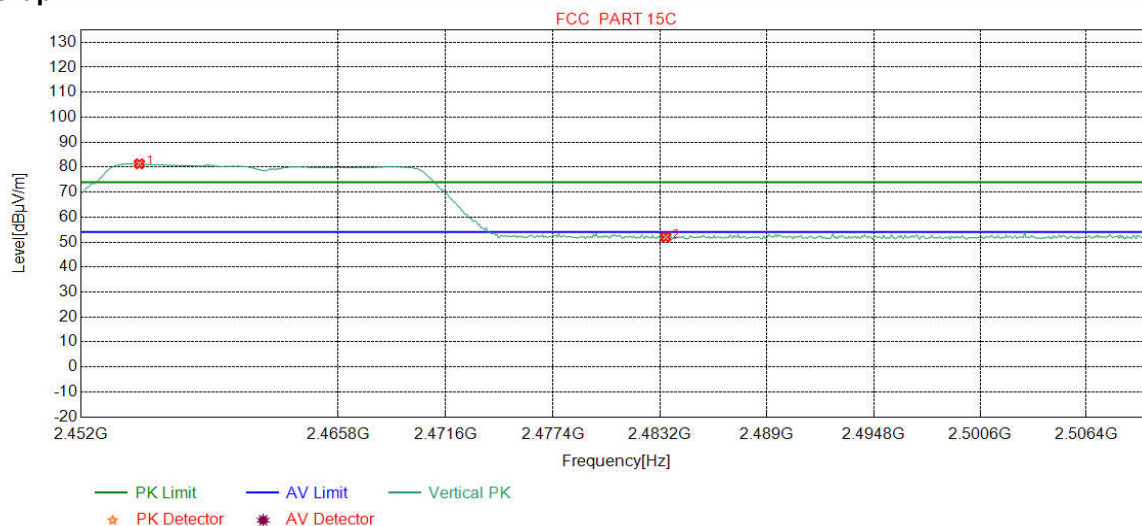
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2468.4781	32.36	13.45	-43.12	83.15	85.84	74.00	-11.84	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.95	51.60	74.00	22.40	Pass	Horizontal

Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	PK		

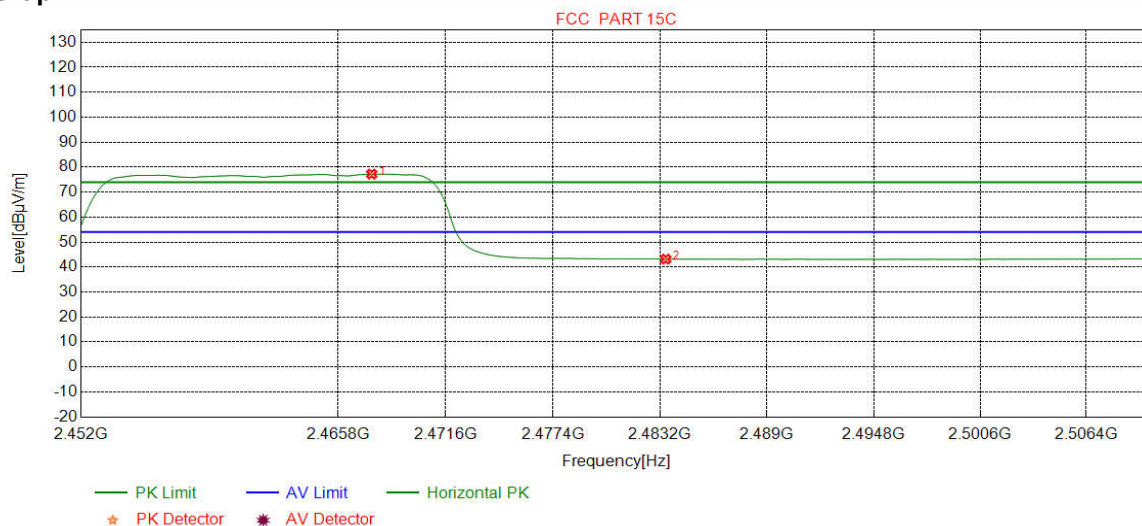
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2455.1214	32.34	13.51	-43.12	78.61	81.34	74.00	-7.34	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.36	52.01	74.00	21.99	Pass	Vertical

Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	AV		

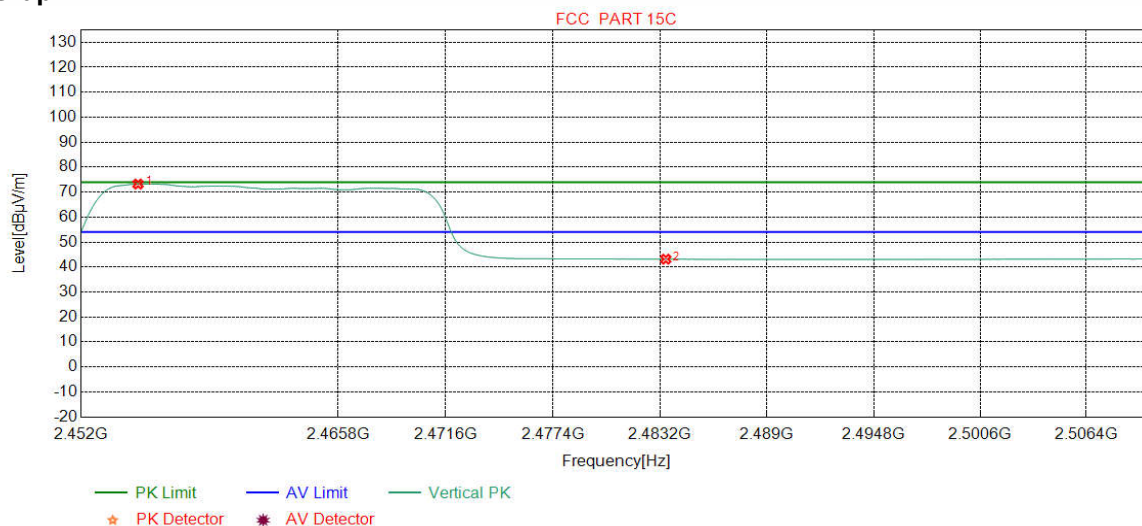
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2467.6070	32.35	13.45	-43.10	74.53	77.23	54.00	-23.23	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.52	43.17	54.00	10.83	Pass	Horizontal

Mode:	802.11 n(HT20) Transmitting	Channel:	2462
Remark:	AV		

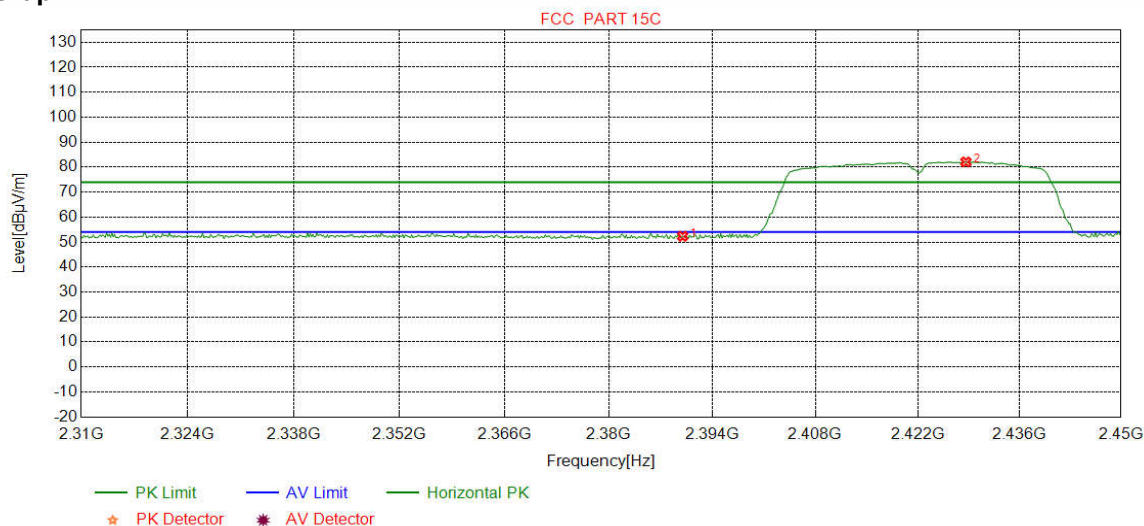
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2455.0488	32.34	13.51	-43.12	70.49	73.22	54.00	-19.22	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.50	43.15	54.00	10.85	Pass	Vertical

Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:	PK		

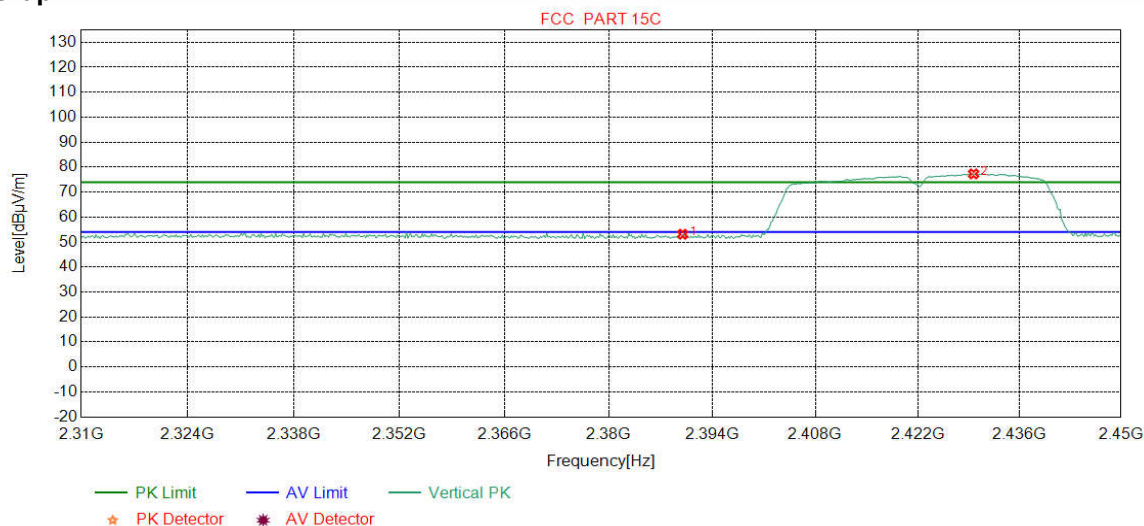
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	49.83	52.33	74.00	21.67	Pass	Horizontal
2	2428.6233	32.30	13.43	-43.11	79.46	82.08	74.00	-8.08	Pass	Horizontal

Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:	PK		

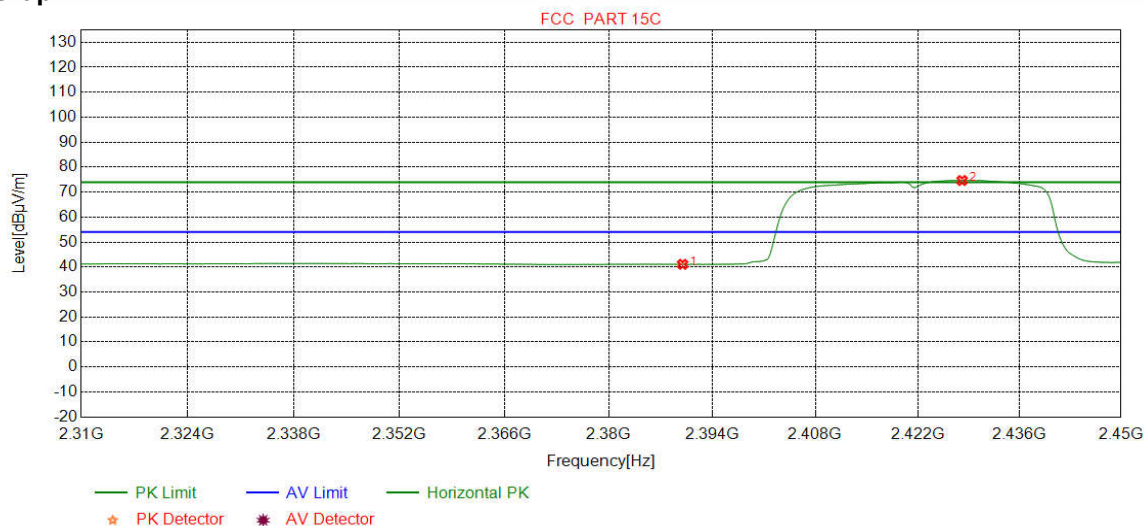
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	50.64	53.14	74.00	20.86	Pass	Vertical
2	2429.6746	32.30	13.44	-43.12	74.68	77.30	74.00	-3.30	Pass	Vertical

Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:	AV		

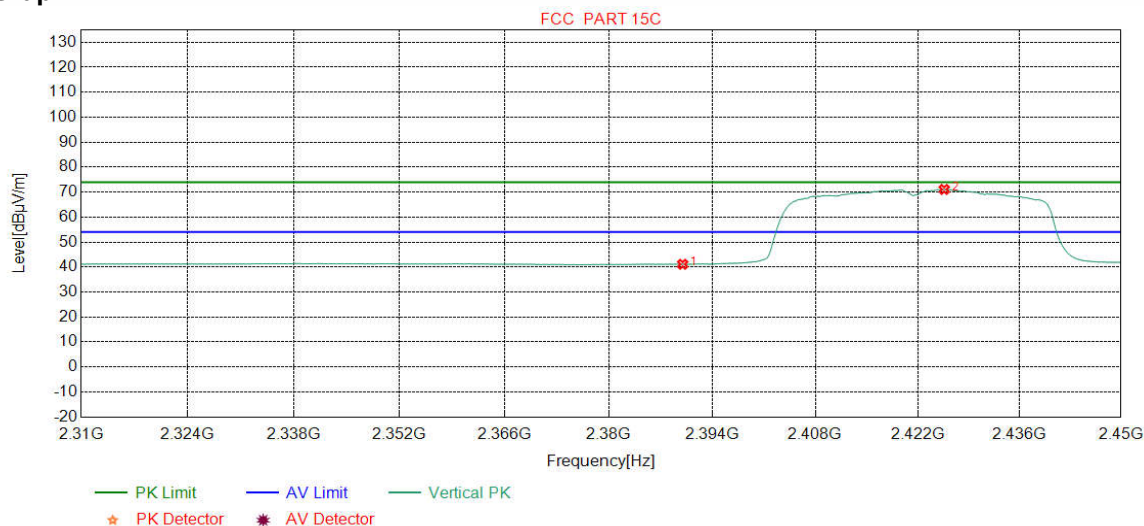
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.59	41.09	54.00	12.91	Pass	Horizontal
2	2428.0976	32.30	13.43	-43.12	72.05	74.66	54.00	-20.66	Pass	Horizontal

Mode:	802.11 n(HT40) Transmitting	Channel:	2422
Remark:	AV		

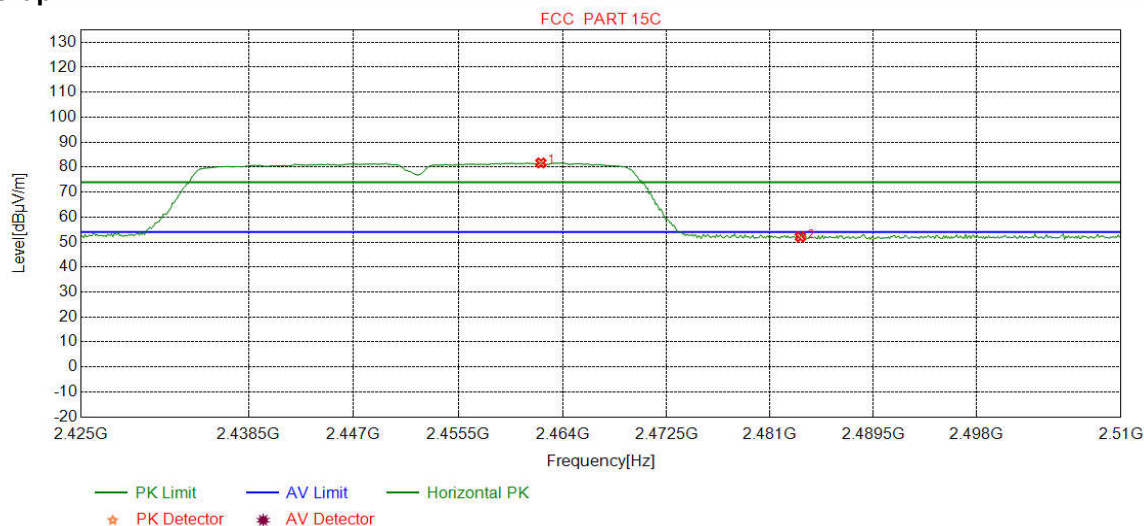
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	38.59	41.09	54.00	12.91	Pass	Vertical
2	2417.0588	32.28	13.38	-43.11	66.89	69.44	54.00	-15.44	Pass	Vertical

Mode:	802.11 n(HT40) Transmitting	Channel:	2452
Remark:	PK		

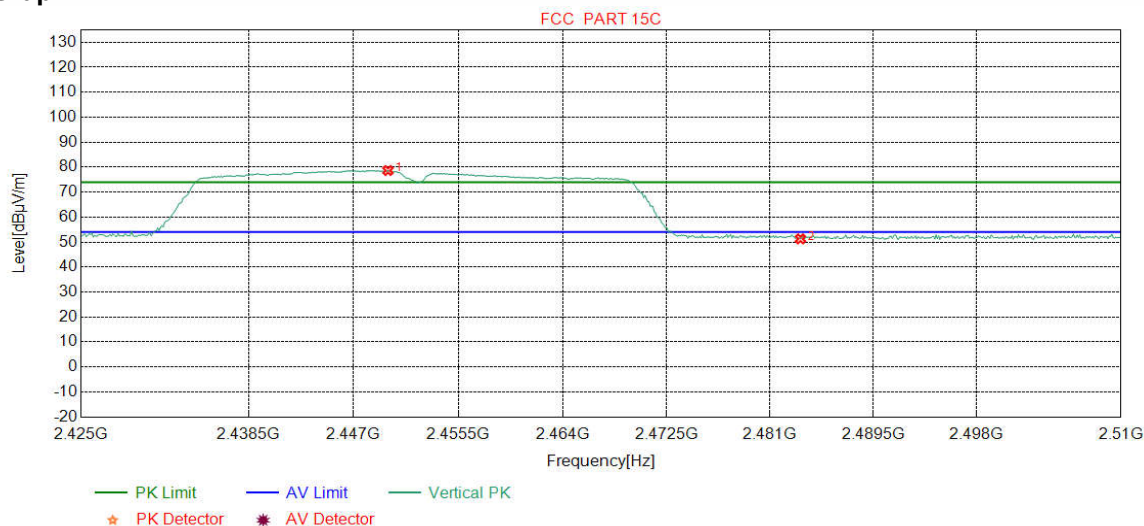
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2462.2340	32.35	13.47	-43.11	78.99	81.70	74.00	-7.70	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	49.44	52.09	74.00	21.91	Pass	Horizontal

Mode:	802.11 n(HT40) Transmitting	Channel:	2452
Remark:	PK		

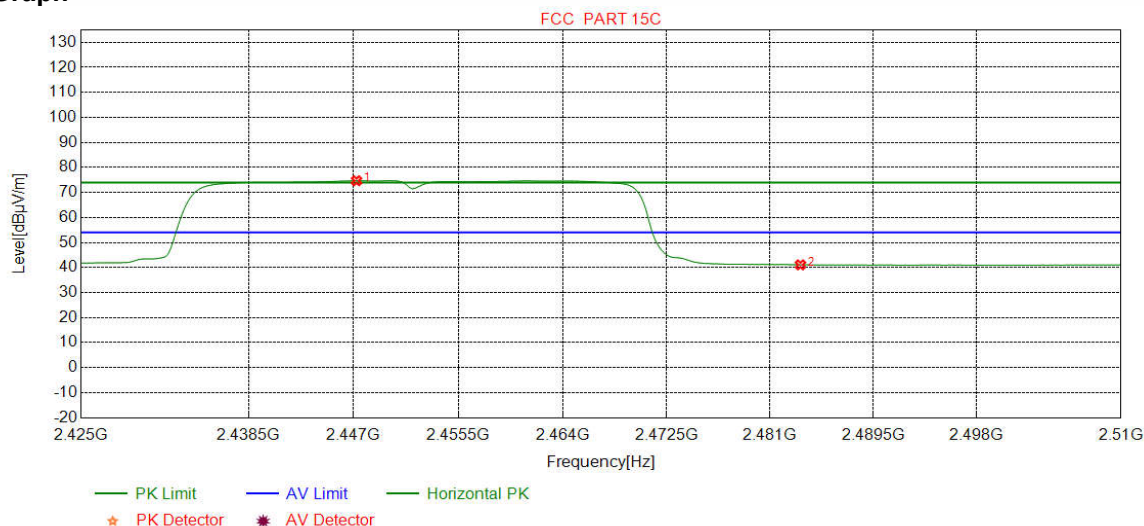
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2449.7872	32.33	13.53	-43.11	75.91	78.66	74.00	-4.66	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	48.64	51.29	74.00	22.71	Pass	Vertical

Mode:	802.11 n(HT40) Transmitting	Channel:	2452
Remark:	AV		

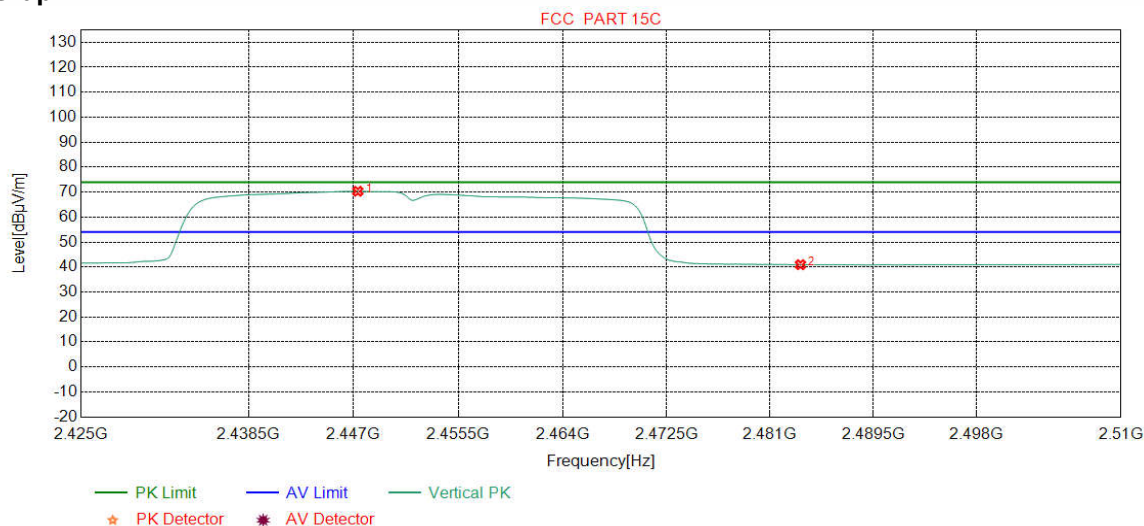
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2447.2340	32.33	13.52	-43.12	71.96	74.69	54.00	-20.69	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	38.41	41.06	54.00	12.94	Pass	Horizontal

Mode:	802.11 n(HT40) Transmitting	Channel:	2452
Remark:	AV		

Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2447.3404	32.33	13.52	-43.12	67.62	70.35	54.00	-16.35	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	38.30	40.95	54.00	13.05	Pass	Vertical

Note:

1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20) ; 13.5Mbps of rate is the worst case of 802.11n(HT40), and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Appendix I): Radiated Spurious Emissions

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters 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 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable 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 peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).

h. Test the EUT in the lowest channel, the middle channel ,the Highest channel .

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

j. Repeat above procedures until all frequencies measured was complete.

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 11B Channel 2437MHz was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Mode:			802.11 b Transmitting					Channel:		2437	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	31.3581	10.55	0.64	-31.52	56.10	35.77	40.00	4.23	Pass	H	PK
2	48.1408	13.20	0.78	-31.97	51.21	33.22	40.00	6.78	Pass	H	PK
3	96.1606	10.39	1.13	-31.98	51.80	31.34	43.50	12.16	Pass	H	PK
4	143.9864	7.34	1.41	-31.99	62.75	39.51	43.50	3.99	Pass	H	PK
5	372.0562	14.79	2.30	-31.88	52.01	37.22	46.00	8.78	Pass	H	PK
6	467.9988	16.49	2.58	-31.87	51.57	38.77	46.00	7.23	Pass	H	PK
7	31.1641	10.55	0.63	-31.52	55.09	34.75	40.00	5.25	Pass	V	PK
8	35.8206	10.96	0.66	-31.40	53.53	33.75	40.00	6.25	Pass	V	PK
9	48.2378	13.20	0.78	-31.97	50.38	32.39	40.00	7.61	Pass	V	PK
10	95.9666	10.35	1.13	-31.97	53.24	32.75	43.50	10.75	Pass	V	PK
11	143.9864	7.34	1.41	-31.99	56.61	33.37	43.50	10.13	Pass	V	PK
12	516.0186	17.32	2.71	-31.93	46.45	34.55	46.00	11.45	Pass	V	PK

Transmitter Emission above 1GHz

Mode:			802.11 b Transmitting					Channel:		2412	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1779.8780	30.25	3.28	-42.70	51.11	41.94	74.00	32.06	Pass	H	PK
2	3157.0105	33.26	4.58	-43.10	50.38	45.12	74.00	28.88	Pass	H	PK
3	5005.1337	34.51	4.83	-42.81	52.31	48.84	74.00	25.16	Pass	H	PK
4	6776.2518	36.01	5.67	-42.33	49.61	48.96	74.00	25.04	Pass	H	PK
5	9099.4066	37.68	6.44	-42.02	49.16	51.26	74.00	22.74	Pass	H	PK
6	10413.494	38.38	7.15	-42.02	49.02	52.53	74.00	21.47	Pass	H	PK
7	1794.0794	30.34	3.31	-42.71	55.46	46.40	74.00	27.60	Pass	V	PK
8	3482.0321	33.39	4.47	-43.10	49.83	44.59	74.00	29.41	Pass	V	PK
9	4989.1326	34.50	4.82	-42.80	54.38	50.90	74.00	23.10	Pass	V	PK
10	6376.2251	35.88	5.38	-42.53	49.55	48.28	74.00	25.72	Pass	V	PK
11	7761.3174	36.50	6.21	-42.16	48.84	49.39	74.00	24.61	Pass	V	PK
12	9764.4510	37.71	6.71	-42.10	49.16	51.48	74.00	22.52	Pass	V	PK

Mode:			802.11 b Transmitting					Channel:		2437	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2088.3088	31.82	3.58	-43.18	50.87	43.09	74.00	30.91	Pass	H	PK
2	4246.0831	34.14	4.51	-42.90	49.76	45.51	74.00	28.49	Pass	H	PK
3	4874.1249	34.50	4.78	-42.80	51.04	47.52	74.00	26.48	Pass	H	PK
4	6889.2593	36.06	5.80	-42.27	49.94	49.53	74.00	24.47	Pass	H	PK
5	9275.4184	37.64	6.62	-42.05	49.07	51.28	74.00	22.72	Pass	H	PK
6	10270.484	38.18	6.84	-42.05	49.50	52.47	74.00	21.53	Pass	H	PK
7	1792.6793	30.33	3.31	-42.71	53.48	44.41	74.00	29.59	Pass	V	PK
8	3902.0601	33.72	4.34	-43.02	50.43	45.47	74.00	28.53	Pass	V	PK
9	4988.1325	34.50	4.82	-42.80	54.21	50.73	74.00	23.27	Pass	V	PK
10	6399.2266	35.88	5.31	-42.52	49.35	48.02	74.00	25.98	Pass	V	PK
11	8553.3702	36.72	6.32	-42.00	49.64	50.68	74.00	23.32	Pass	V	PK
12	10383.492	38.34	7.11	-42.03	49.15	52.57	74.00	21.43	Pass	V	PK

Mode:			802.11 b Transmitting					Channel:		2462	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2033.5034	31.75	3.53	-43.20	50.44	42.52	74.00	31.48	Pass	H	PK
2	3212.0141	33.28	4.60	-43.09	50.23	45.02	74.00	28.98	Pass	H	PK
3	4924.1283	34.50	4.85	-42.80	51.52	48.07	74.00	25.93	Pass	H	PK
4	7594.3063	36.56	6.07	-42.12	50.31	50.82	74.00	23.18	Pass	H	PK
5	9216.4144	37.66	6.49	-42.04	49.42	51.53	74.00	22.47	Pass	H	PK
6	11399.560	38.84	7.45	-42.00	48.10	52.39	74.00	21.61	Pass	H	PK
7	2466.7467	32.35	3.99	-43.10	52.29	45.53	74.00	28.47	Pass	H	AV
8	3938.0625	33.75	4.34	-43.01	49.73	44.81	74.00	29.19	Pass	V	PK
9	4924.1283	34.50	4.85	-42.80	51.88	48.43	74.00	25.57	Pass	V	PK
10	6912.2608	36.06	5.86	-42.24	49.69	49.37	74.00	24.63	Pass	V	PK
11	9246.4164	37.65	6.59	-42.05	49.00	51.19	74.00	22.81	Pass	V	PK
12	10679.512	38.54	7.02	-42.01	48.57	52.12	74.00	21.88	Pass	V	PK

Mode:			802.11 g Transmitting					Channel:		2412	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1943.8944	31.33	3.42	-43.06	51.42	43.11	74.00	30.89	Pass	H	PK
2	4533.1022	34.50	4.71	-42.80	50.11	46.52	74.00	27.48	Pass	H	PK
3	5006.1337	34.51	4.83	-42.80	50.36	46.90	74.00	27.10	Pass	H	PK
4	6914.2610	36.07	5.86	-42.26	49.52	49.19	74.00	24.81	Pass	H	PK
5	9174.4116	37.67	6.45	-42.04	49.07	51.15	74.00	22.85	Pass	H	PK
6	10375.491	38.33	7.06	-42.03	49.39	52.75	74.00	21.25	Pass	H	PK
7	1800.0800	30.38	3.32	-42.71	56.69	47.68	74.00	26.32	Pass	V	PK
8	3955.0637	33.76	4.34	-43.01	49.49	44.58	74.00	29.42	Pass	V	PK
9	5031.1354	34.53	4.86	-42.79	50.75	47.35	74.00	26.65	Pass	V	PK
10	6759.2506	36.00	5.68	-42.34	49.49	48.83	74.00	25.17	Pass	V	PK
11	9311.4208	37.64	6.63	-42.06	49.37	51.58	74.00	22.42	Pass	V	PK
12	10307.487	38.23	6.87	-42.04	49.52	52.58	74.00	21.42	Pass	V	PK

Mode:			802.11 g Transmitting					Channel:		2437	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2028.3028	31.74	3.52	-43.19	51.69	43.76	74.00	30.24	Pass	H	PK
2	4994.1329	34.50	4.82	-42.80	50.48	47.00	74.00	27.00	Pass	H	PK
3	5700.1800	35.32	5.02	-42.60	49.92	47.66	74.00	26.34	Pass	H	PK
4	7798.3199	36.48	6.10	-42.15	49.14	49.57	74.00	24.43	Pass	H	PK
5	8815.3877	37.29	6.39	-42.00	49.56	51.24	74.00	22.76	Pass	H	PK
6	10676.511	38.54	7.02	-42.01	49.52	53.07	74.00	20.93	Pass	H	PK
7	1796.2796	30.36	3.31	-42.71	55.54	46.50	74.00	27.50	Pass	V	PK
8	2917.3917	33.07	4.39	-43.11	50.66	45.01	74.00	28.99	Pass	V	PK
9	4462.0975	34.45	4.78	-42.82	49.40	45.81	74.00	28.19	Pass	V	PK
10	5014.1343	34.51	4.84	-42.79	51.33	47.89	74.00	26.11	Pass	V	PK
11	6495.2330	35.90	5.47	-42.50	49.73	48.60	74.00	25.40	Pass	V	PK
12	10363.490	38.31	7.00	-42.03	49.24	52.52	74.00	21.48	Pass	V	PK

Mode:			802.11 g Transmitting					Channel:		2462	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2089.9090	31.83	3.58	-43.19	50.93	43.15	74.00	30.85	Pass	H	PK
2	3327.0218	33.33	4.55	-43.10	49.70	44.48	74.00	29.52	Pass	H	PK
3	5038.1359	34.54	4.87	-42.79	50.56	47.18	74.00	26.82	Pass	H	PK
4	6462.2308	35.89	5.51	-42.51	50.04	48.93	74.00	25.07	Pass	H	PK
5	8972.3982	37.64	6.35	-42.00	49.24	51.23	74.00	22.77	Pass	H	PK
6	11742.582	39.09	7.47	-41.94	48.57	53.19	74.00	20.81	Pass	H	PK
7	2468.3468	32.36	4.00	-43.12	51.16	44.40	74.00	29.60	Pass	V	PK
8	3075.0050	33.23	4.77	-43.10	50.08	44.98	74.00	29.02	Pass	V	PK
9	5007.1338	34.51	4.83	-42.80	50.26	46.80	74.00	27.20	Pass	V	PK
10	5623.1749	35.20	5.03	-42.60	49.70	47.33	74.00	26.67	Pass	V	PK
11	7771.3181	36.49	6.18	-42.15	48.94	49.46	74.00	24.54	Pass	V	PK
12	10349.490	38.29	6.92	-42.03	49.06	52.24	74.00	21.76	Pass	V	PK

Mode:			802.11 n(HT20) Transmitting					Channel:		2412	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1916.6917	31.15	3.42	-43.00	50.88	42.45	74.00	29.89	Pass	H	PK
2	3523.0349	33.42	4.47	-43.10	49.66	44.45	74.00	30.39	Pass	H	PK
3	5049.1366	34.55	4.88	-42.78	50.51	47.16	74.00	29.17	Pass	H	PK
4	6396.2264	35.88	5.32	-42.52	50.19	48.87	74.00	27.51	Pass	H	PK
5	9264.4176	37.65	6.61	-42.05	48.79	51.00	74.00	27.57	Pass	H	PK
6	10794.519	38.56	7.19	-42.00	49.40	53.15	74.00	26.19	Pass	H	PK
7	2692.3692	32.71	4.12	-43.11	51.00	44.72	74.00	29.28	Pass	V	PK
8	3843.0562	33.67	4.36	-43.03	49.64	44.64	74.00	29.36	Pass	V	PK
9	4990.1327	34.50	4.82	-42.80	50.45	46.97	74.00	27.03	Pass	V	PK
10	6181.2121	35.84	5.23	-42.57	49.37	47.87	74.00	26.13	Pass	V	PK
11	7819.3213	36.47	6.06	-42.16	49.36	49.73	74.00	24.27	Pass	V	PK
12	9708.4472	37.68	6.62	-42.09	48.94	51.15	74.00	22.85	Pass	V	PK

Mode:			802.11 n(HT20) Transmitting					Channel:		2437	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1972.0972	31.52	3.44	-43.13	50.83	42.66	74.00	31.34	Pass	H	PK
2	3519.0346	33.42	4.47	-43.10	49.57	44.36	74.00	29.64	Pass	H	PK
3	5037.1358	34.54	4.86	-42.78	50.28	46.90	74.00	27.10	Pass	H	PK
4	6724.2483	35.99	5.59	-42.36	49.19	48.41	74.00	25.59	Pass	H	PK
5	8535.3690	36.68	6.37	-42.00	49.06	50.11	74.00	23.89	Pass	H	PK
6	10448.496	38.43	7.03	-42.02	49.22	52.66	74.00	21.34	Pass	H	PK
7	1796.2796	30.36	3.31	-42.71	55.45	46.41	74.00	27.59	Pass	V	PK
8	3193.0129	33.28	4.64	-43.10	50.33	45.15	74.00	28.85	Pass	V	PK
9	5039.1359	34.54	4.87	-42.79	50.35	46.97	74.00	27.03	Pass	V	PK
10	5613.1742	35.18	5.06	-42.60	50.78	48.42	74.00	25.58	Pass	V	PK
11	7769.3180	36.49	6.19	-42.16	48.77	49.29	74.00	24.71	Pass	V	PK
12	9192.4128	37.66	6.44	-42.04	49.85	51.91	74.00	22.09	Pass	V	PK

Mode:			802.11 n(HT20) Transmitting					Channel:		2462	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2047.1047	31.77	3.55	-43.19	50.31	42.44	74.00	31.56	Pass	H	PK
2	3406.0271	33.36	4.54	-43.09	50.29	45.10	74.00	28.90	Pass	H	PK
3	5071.1381	34.57	4.84	-42.77	50.21	46.85	74.00	27.15	Pass	H	PK
4	6405.2270	35.88	5.33	-42.52	49.16	47.85	74.00	26.15	Pass	H	PK
5	7734.3156	36.51	6.25	-42.15	49.12	49.73	74.00	24.27	Pass	H	PK
6	9255.4170	37.65	6.60	-42.05	49.54	51.74	74.00	22.26	Pass	H	PK
7	1799.2799	30.38	3.32	-42.72	53.87	44.85	74.00	29.15	Pass	V	PK
8	3095.0063	33.24	4.73	-43.10	50.00	44.87	74.00	29.13	Pass	V	PK
9	5005.1337	34.51	4.83	-42.81	50.51	47.04	74.00	26.96	Pass	V	PK
10	6903.2602	36.06	5.88	-42.26	48.68	48.36	74.00	25.64	Pass	V	PK
11	7634.3090	36.55	6.13	-42.13	49.32	49.87	74.00	24.13	Pass	V	PK
12	9176.4118	37.66	6.44	-42.03	49.71	51.78	74.00	22.22	Pass	V	PK

Mode:			802.11 n(HT40) Transmitting					Channel:		2422	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2068.3068	31.80	3.57	-43.19	52.03	44.21	74.00	29.79	Pass	H	PK
2	3052.0035	33.22	4.83	-43.10	50.24	45.19	74.00	28.81	Pass	H	PK
3	4547.1031	34.50	4.74	-42.80	49.68	46.12	74.00	27.88	Pass	H	PK
4	6986.2658	36.09	5.72	-42.21	49.08	48.68	74.00	25.32	Pass	H	PK
5	7757.3172	36.50	6.22	-42.15	49.95	50.52	74.00	23.48	Pass	H	PK
6	9264.4176	37.65	6.61	-42.05	49.04	51.25	74.00	22.75	Pass	H	PK
7	1796.6797	30.36	3.31	-42.71	54.54	45.50	74.00	28.50	Pass	V	PK
8	2959.1959	33.13	4.43	-43.10	50.58	45.04	74.00	28.96	Pass	V	PK
9	4586.1057	34.50	4.97	-42.80	49.48	46.15	74.00	27.85	Pass	V	PK
10	6329.2219	35.87	5.46	-42.54	49.23	48.02	74.00	25.98	Pass	V	PK
11	7722.3148	36.51	6.25	-42.14	49.02	49.64	74.00	24.36	Pass	V	PK
12	9091.4061	37.68	6.45	-42.02	49.62	51.73	74.00	22.27	Pass	V	PK

Mode:			802.11 n(HT40) Transmitting					Channel:		2437	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1991.4992	31.64	3.46	-43.17	50.23	42.16	74.00	31.84	Pass	H	PK
2	3190.0127	33.28	4.63	-43.10	49.88	44.69	74.00	29.31	Pass	H	PK
3	5006.1337	34.51	4.83	-42.80	50.86	47.40	74.00	26.60	Pass	H	PK
4	6516.2344	35.91	5.43	-42.49	49.53	48.38	74.00	25.62	Pass	H	PK
5	7648.3099	36.54	6.15	-42.13	48.93	49.49	74.00	24.51	Pass	H	PK
6	9204.4136	37.66	6.45	-42.04	49.18	51.25	74.00	22.75	Pass	H	PK
7	1795.8796	30.35	3.31	-42.70	54.54	45.50	74.00	28.50	Pass	V	PK
8	2809.5810	32.90	4.24	-43.11	50.96	44.99	74.00	29.01	Pass	V	PK
9	3800.0533	33.64	4.37	-43.04	49.67	44.64	74.00	29.36	Pass	V	PK
10	5003.1335	34.50	4.82	-42.79	50.69	47.22	74.00	26.78	Pass	V	PK
11	6905.2604	36.06	5.87	-42.25	49.26	48.94	74.00	25.06	Pass	V	PK
12	9176.4118	37.66	6.44	-42.03	49.27	51.34	74.00	22.66	Pass	V	PK

Mode:			802.11 n(HT40) Transmitting					Channel:		2452	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2054.3054	31.78	3.56	-43.19	50.67	42.82	74.00	31.18	Pass	H	PK
2	3047.0031	33.22	4.84	-43.11	50.39	45.34	74.00	28.66	Pass	H	PK
3	5027.1351	34.53	4.85	-42.79	51.12	47.71	74.00	26.29	Pass	H	PK
4	6429.2286	35.89	5.43	-42.52	49.89	48.69	74.00	25.31	Pass	H	PK
5	7899.3266	36.44	6.00	-42.18	50.04	50.30	74.00	23.70	Pass	H	PK
6	9151.4101	37.67	6.45	-42.03	49.77	51.86	74.00	22.14	Pass	H	PK
7	1795.6796	30.35	3.31	-42.70	54.56	45.52	74.00	28.48	Pass	V	PK
8	3076.0051	33.23	4.77	-43.10	50.19	45.09	74.00	28.91	Pass	V	PK
9	4457.0971	34.44	4.80	-42.82	49.27	45.69	74.00	28.31	Pass	V	PK
10	4987.1325	34.50	4.82	-42.80	51.45	47.97	74.00	26.03	Pass	V	PK
11	6937.2625	36.07	5.83	-42.23	48.64	48.31	74.00	25.69	Pass	V	PK
12	9270.4180	37.65	6.62	-42.06	49.31	51.52	74.00	22.48	Pass	V	PK

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.