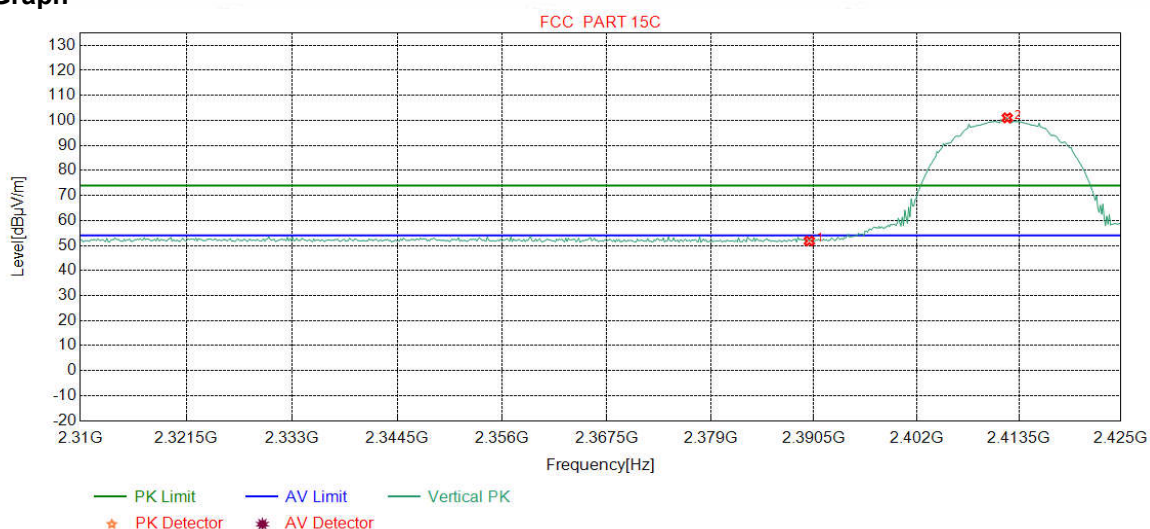


Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	PK		

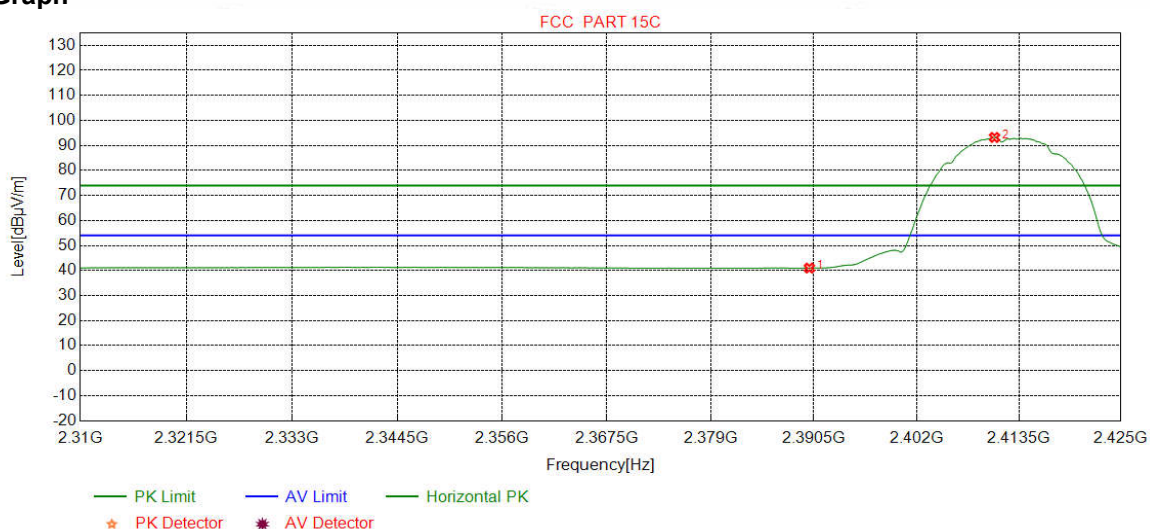
Test Graph



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	49.31	51.81	74.00	22.19	Pass	Vertical
2	2412.1902	32.28	13.36	-43.12	98.49	101.01	74.00	-27.01	Pass	Vertical

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	AV		

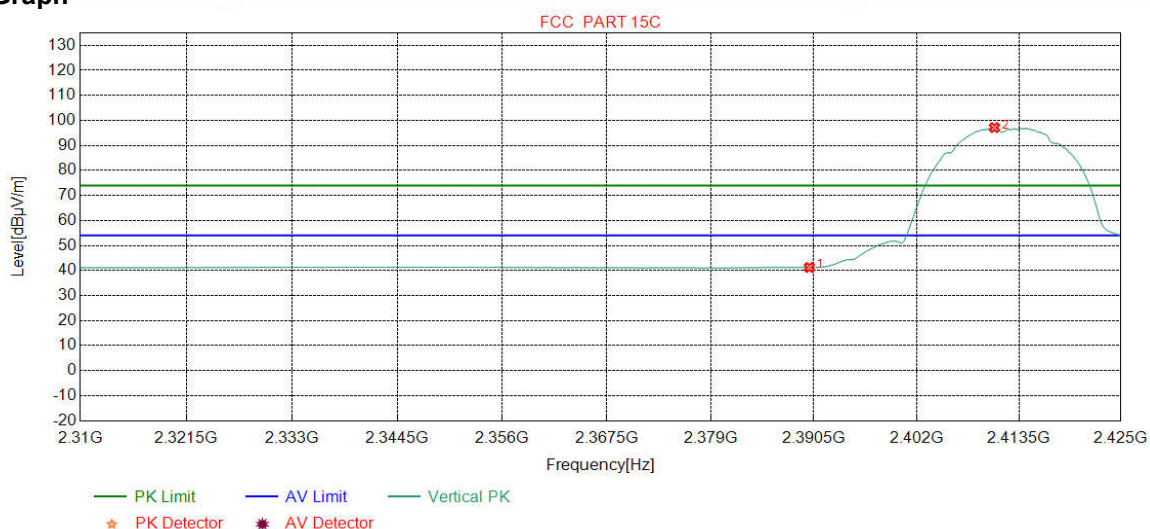
Test Graph



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	38.47	40.97	54.00	13.03	Pass	Horizontal
2	2410.7509	32.28	13.35	-43.12	90.68	93.19	54.00	-39.19	Pass	Horizontal

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	AV		

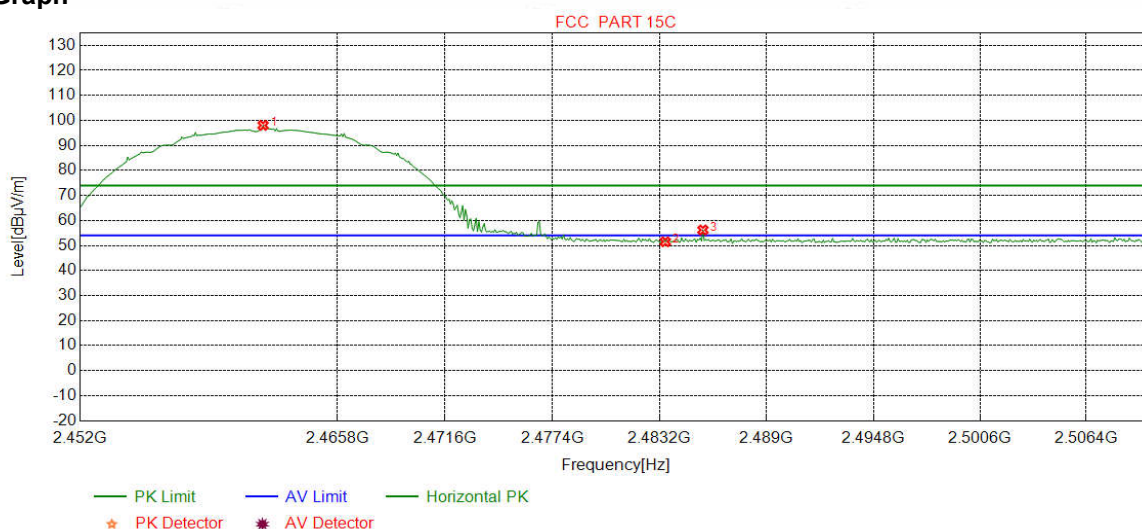
Test Graph



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	38.72	41.22	54.00	12.78	Pass	Vertical
2	2410.7509	32.28	13.35	-43.12	94.63	97.14	54.00	-43.14	Pass	Vertical

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2462
Remark:	PK		

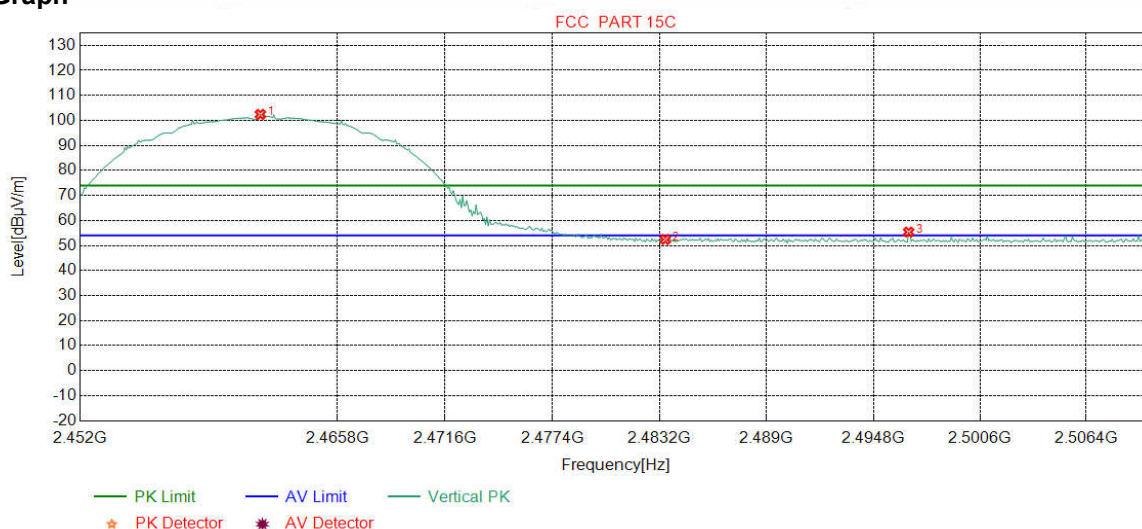
Test Graph



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	2461.7998	32.35	13.48	-43.12	95.32	98.03	74.00	-24.03	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.84	51.49	74.00	22.51	Pass	Horizontal
3	2485.5369	32.38	13.37	-43.11	53.56	56.20	74.00	17.80	Pass	Horizontal

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2462
Remark:	PK		

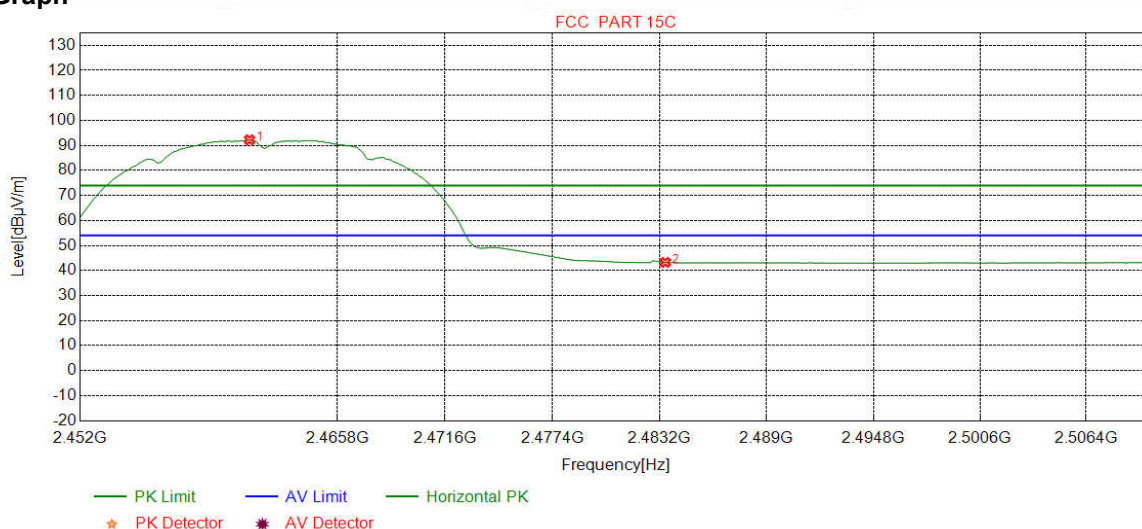
Test Graph



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	2461.6546	32.35	13.48	-43.11	99.68	102.40	74.00	-28.40	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.75	52.40	74.00	21.60	Pass	Vertical
3	2496.7159	32.40	13.32	-43.11	52.76	55.37	74.00	18.63	Pass	Vertical

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2462
Remark:	AV		

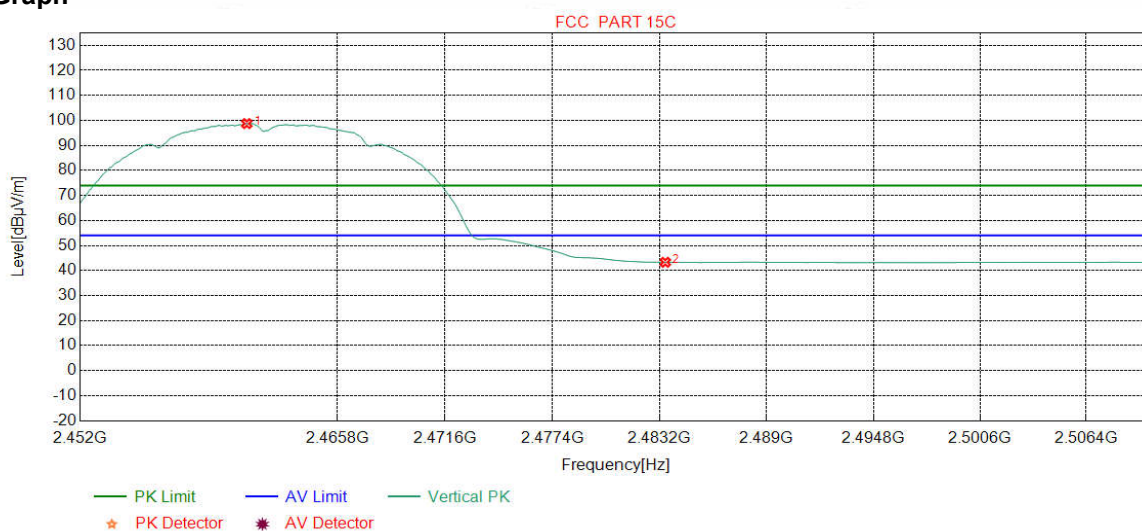
Test Graph



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	89.52	92.24	54.00	-38.24	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.60	43.25	54.00	10.75	Pass	Horizontal

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2462
Remark:	AV		

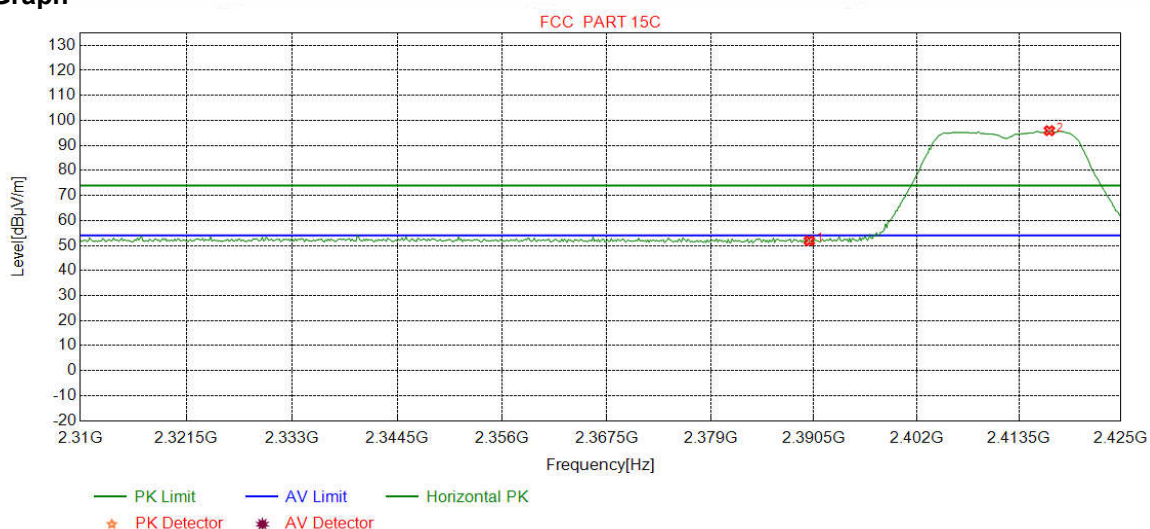
Test Graph



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	2460.9287	32.35	13.48	-43.11	96.00	98.72	54.00	-44.72	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.65	43.30	54.00	10.70	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	PK		

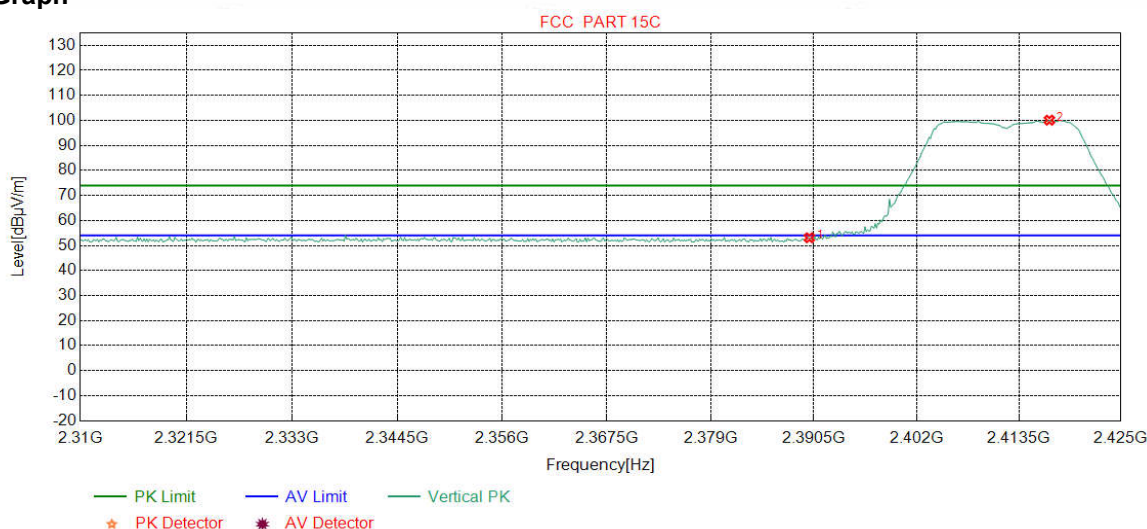
Test Graph



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	49.39	51.89	74.00	22.11	Pass	Horizontal
2	2416.9399	32.28	13.38	-43.11	93.34	95.89	74.00	-21.89	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	PK		

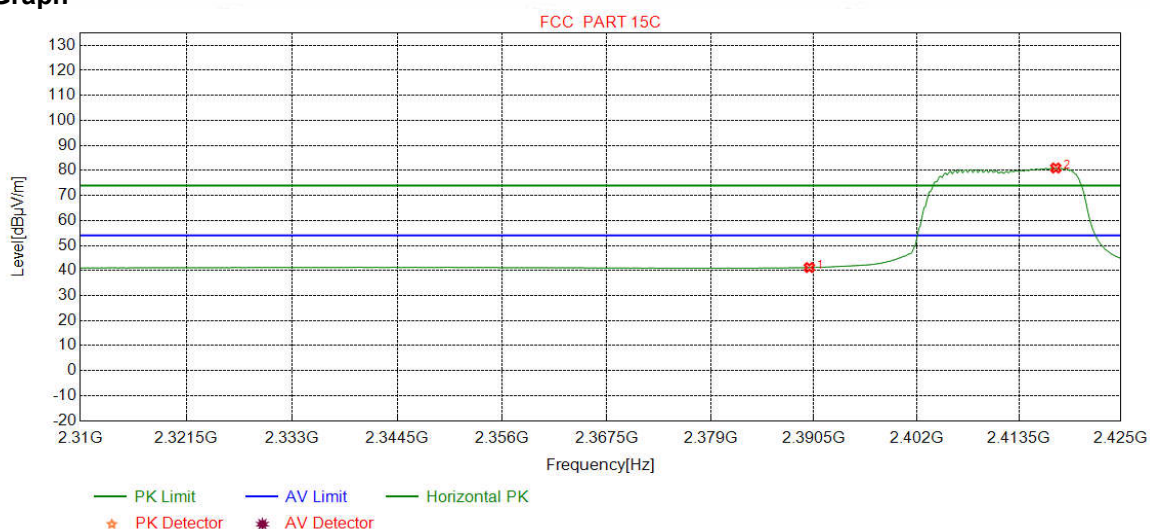
Test Graph



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	50.60	53.10	74.00	20.90	Pass	Vertical
2	2416.9399	32.28	13.38	-43.11	97.54	100.09	74.00	-26.09	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	AV		

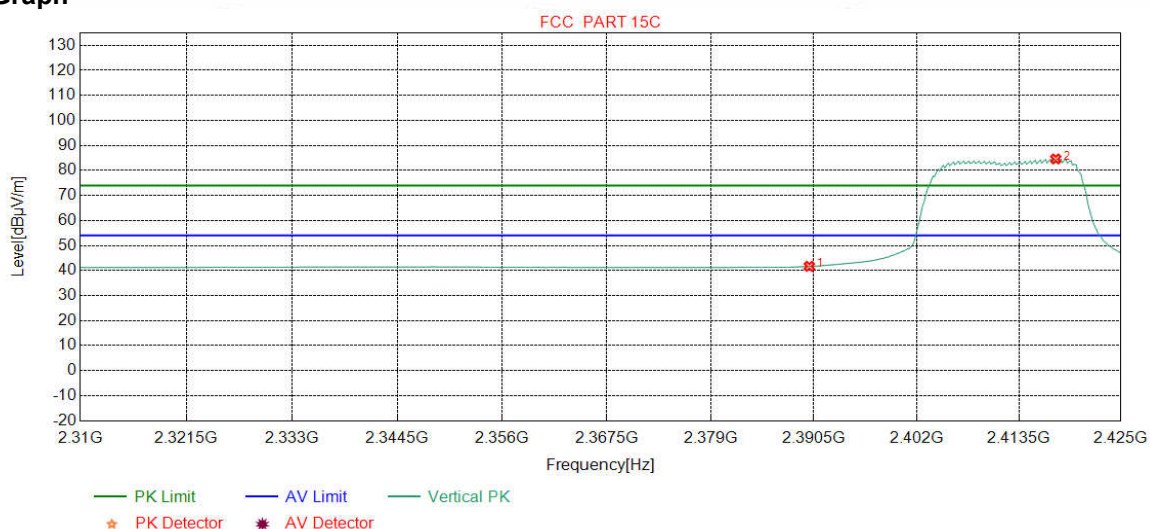
Test Graph



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	38.70	41.20	54.00	12.80	Pass	Horizontal
2	2417.6596	32.28	13.38	-43.11	78.43	80.98	54.00	-26.98	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	AV		

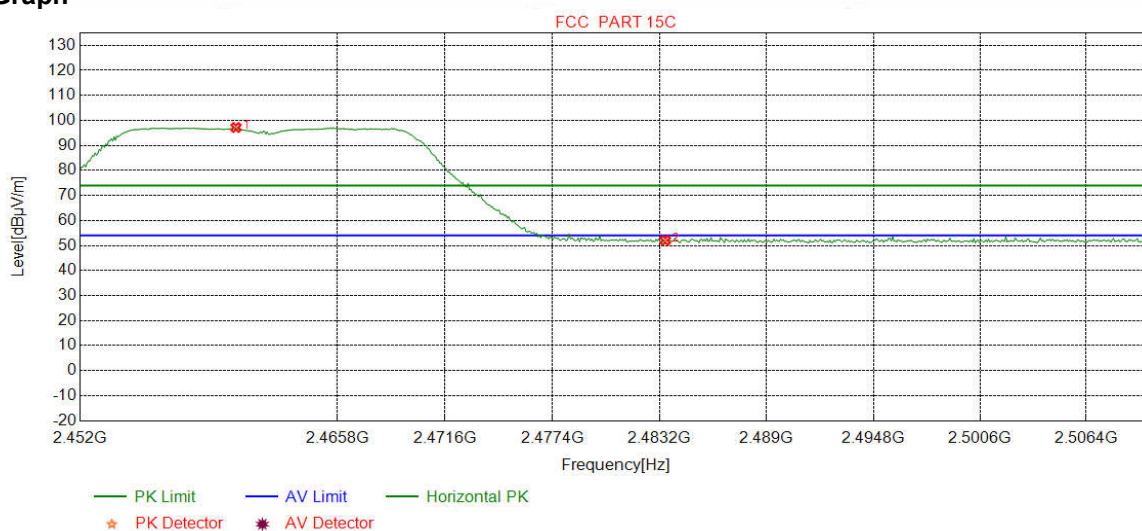
Test Graph



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	39.17	41.67	54.00	12.33	Pass	Vertical
2	2417.6596	32.28	13.38	-43.11	82.04	84.59	54.00	-30.59	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	PK		

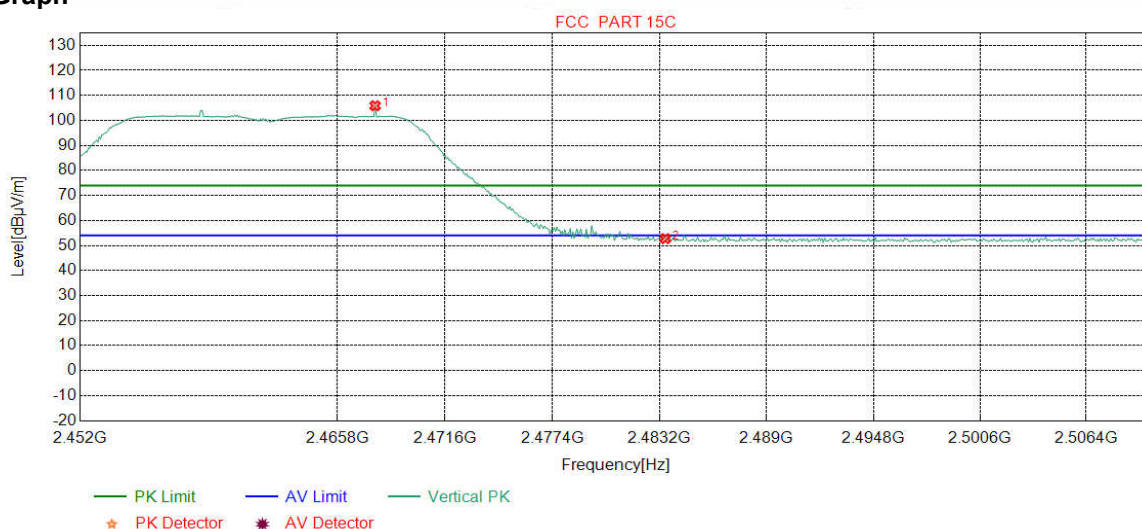
Test Graph



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	2460.3479	32.34	13.48	-43.10	94.46	97.18	74.00	-23.18	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	49.41	52.06	74.00	21.94	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	PK		

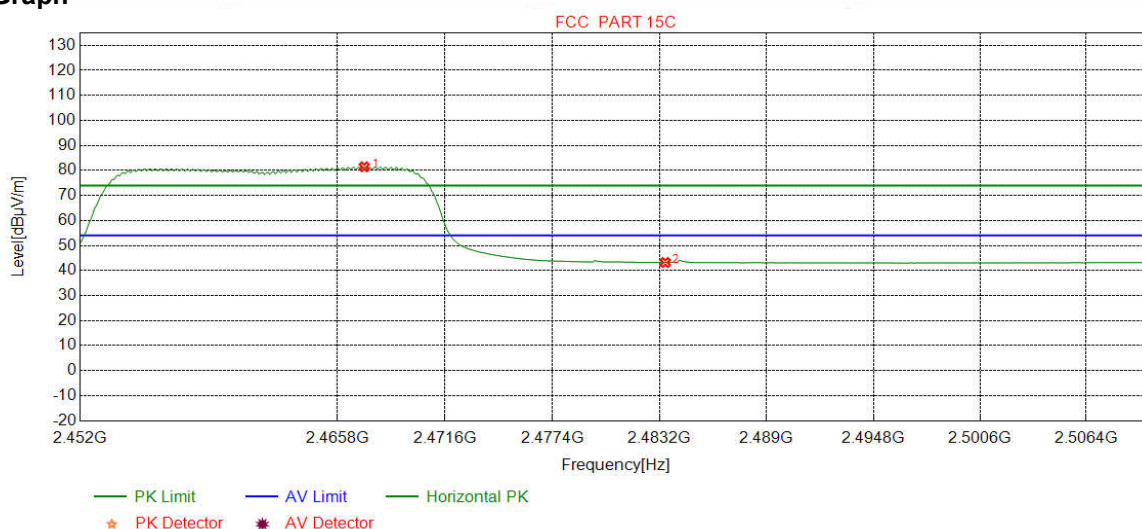
Test Graph



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	2467.8248	32.35	13.45	-43.10	103.16	105.86	74.00	-31.86	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	50.11	52.76	74.00	21.24	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	AV		

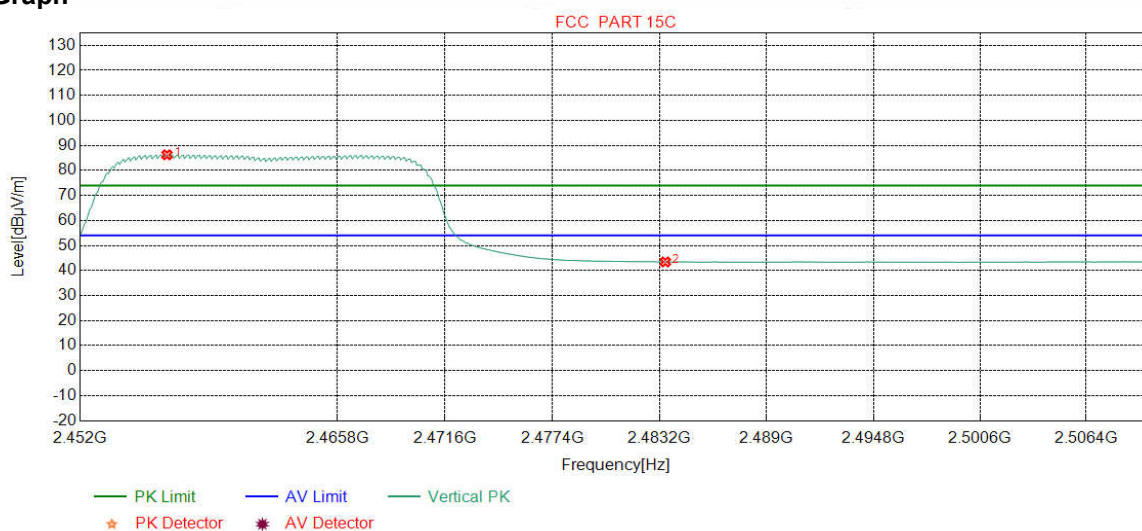
Test Graph



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	2467.2441	32.35	13.45	-43.10	78.74	81.44	54.00	-27.44	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.56	43.21	54.00	10.79	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	AV		

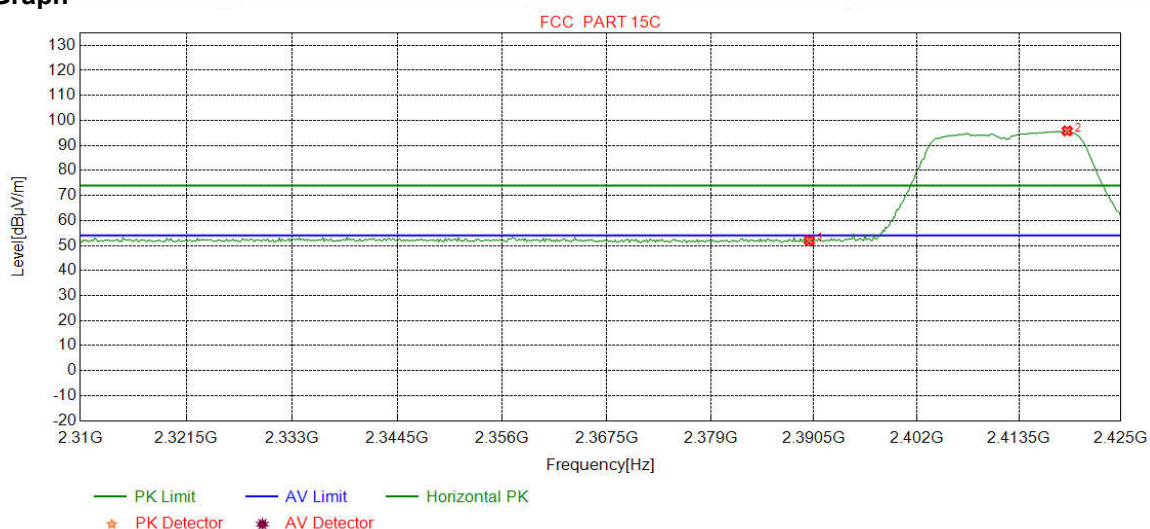
Test Graph



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	2456.6458	32.34	13.50	-43.11	83.51	86.24	54.00	-32.24	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.78	43.43	54.00	10.57	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel	2412
Remark:	PK		

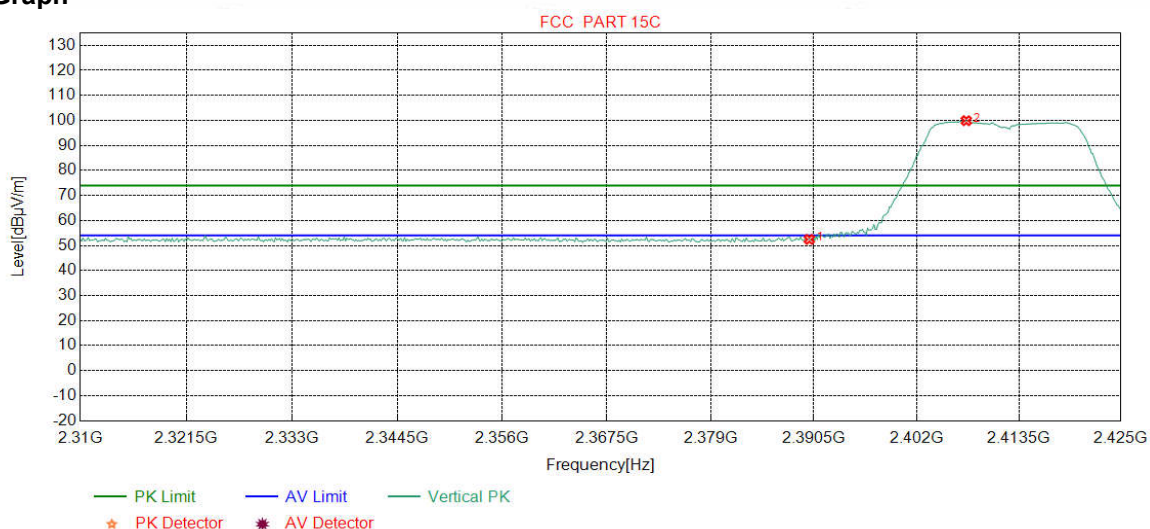
Test Graph



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	49.48	51.98	74.00	22.02	Pass	Horizontal
2	2418.9549	32.29	13.39	-43.12	93.25	95.81	74.00	-21.81	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channe	2412
Remark:	PK		

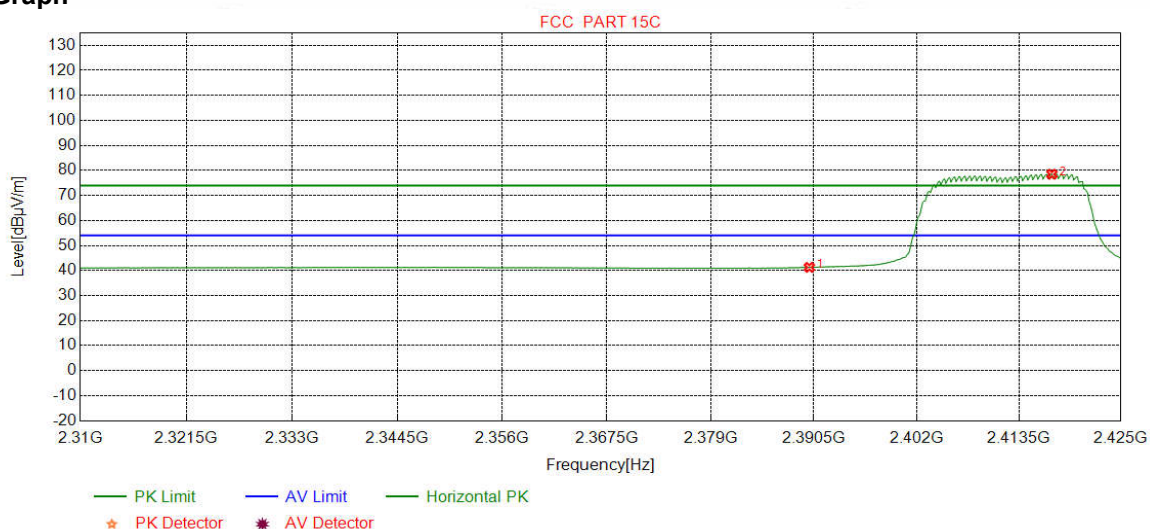
Test Graph



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	49.96	52.46	74.00	21.54	Pass	Vertical
2	2407.5845	32.27	13.33	-43.11	97.39	99.88	74.00	-25.88	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2412
Remark:	AV		

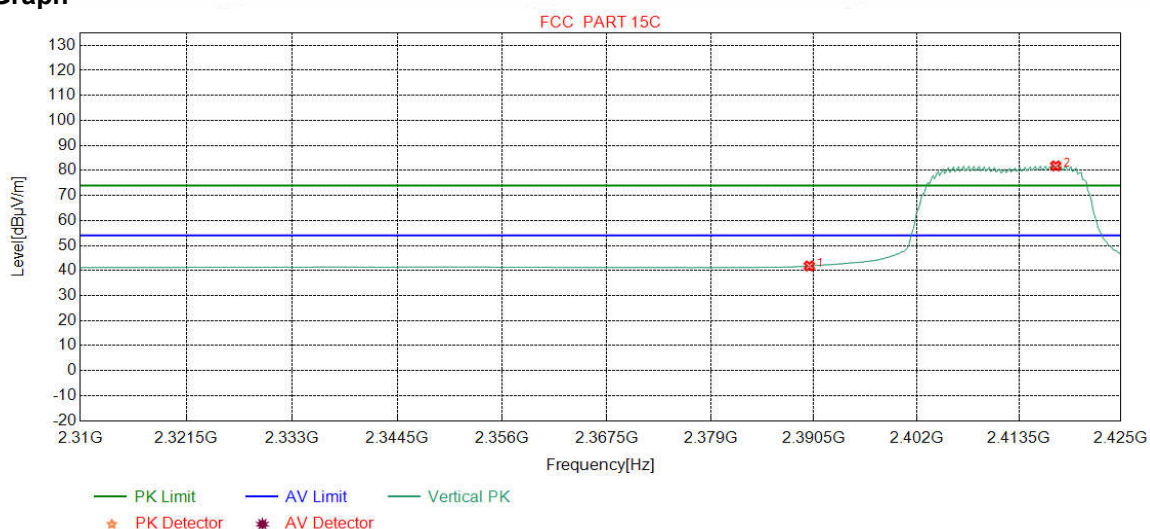
Test Graph



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	38.76	41.26	54.00	12.74	Pass	Horizontal
2	2417.2278	32.28	13.38	-43.11	75.95	78.50	54.00	-24.50	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2412
Remark:	AV		

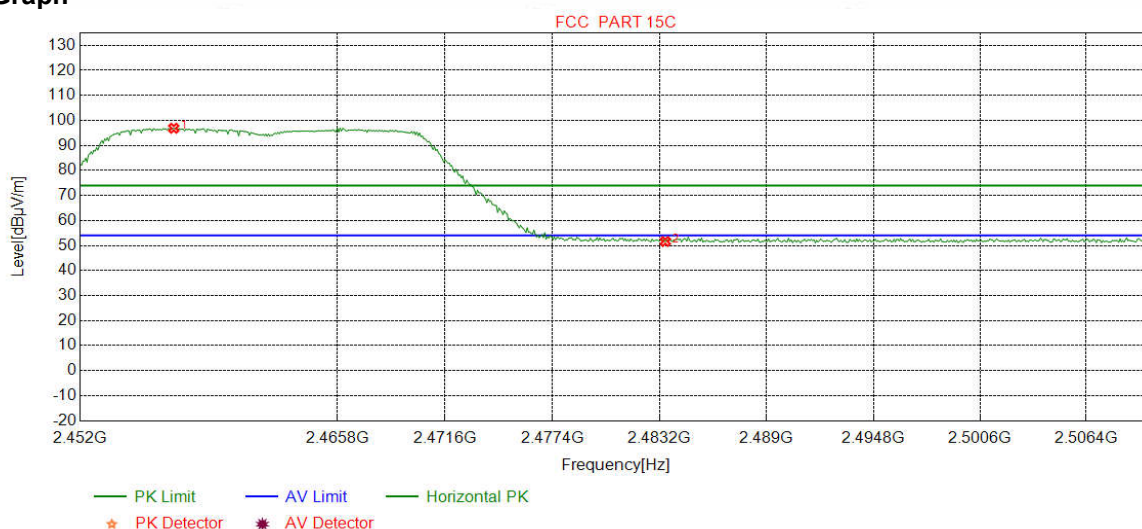
Test Graph



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	39.32	41.82	54.00	12.18	Pass	Vertical
2	2417.6596	32.28	13.38	-43.11	79.26	81.81	54.00	-27.81	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Chann	2462
Remark:	PK		

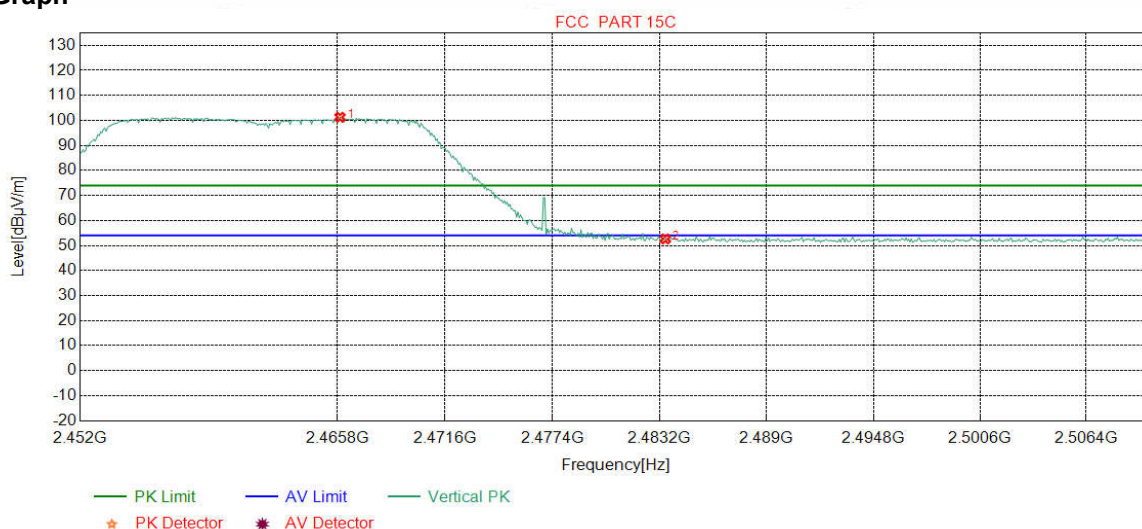
Test Graph



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	2457.0088	32.34	13.50	-43.11	94.14	96.87	74.00	-22.87	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.96	51.61	74.00	22.39	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2462
Remark:	PK		

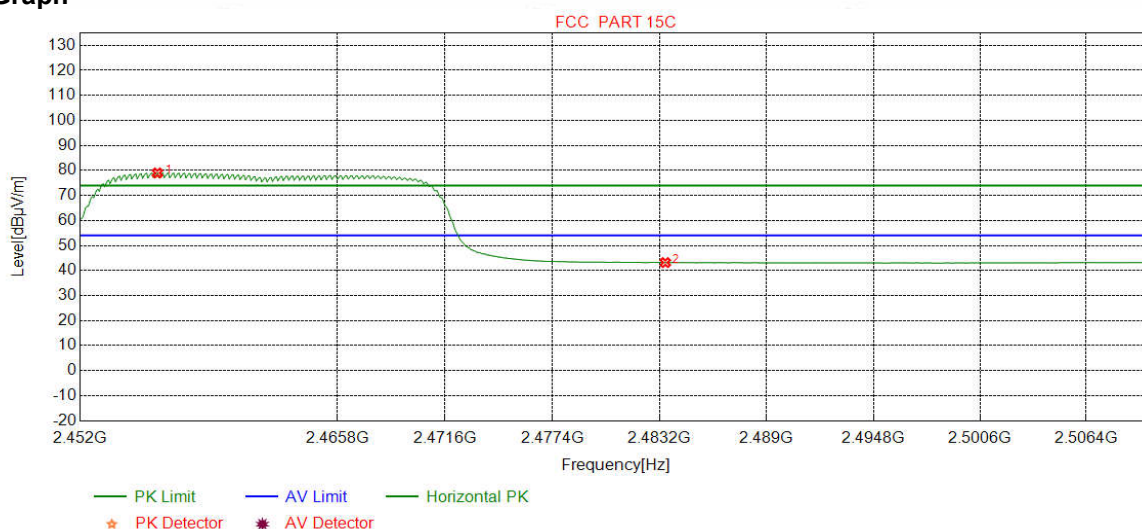
Test Graph



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	2465.9374	32.35	13.46	-43.11	98.55	101.25	74.00	-27.25	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.96	52.61	74.00	21.39	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2462
Remark:	AV		

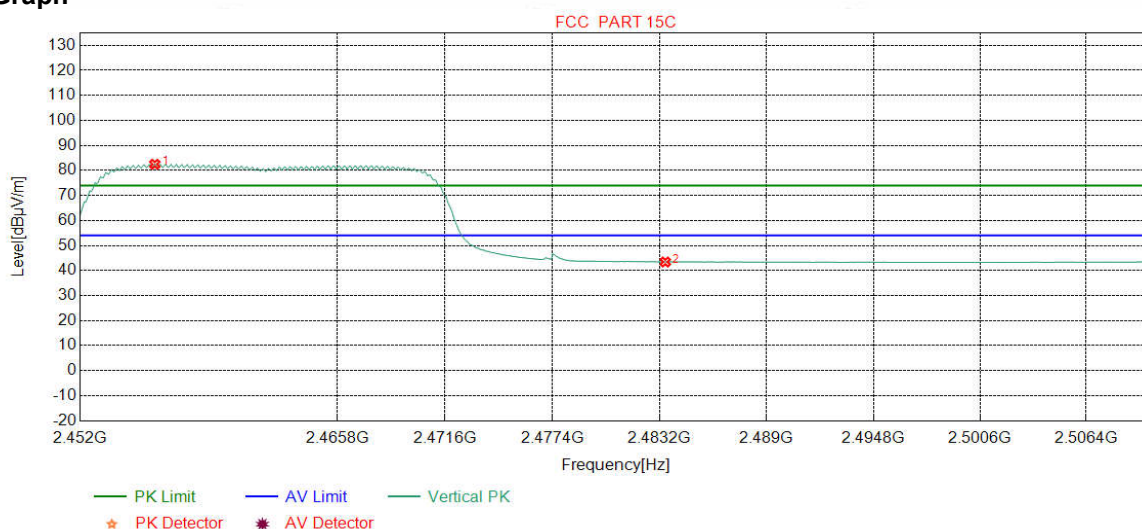
Test Graph



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	2456.1377	32.34	13.50	-43.11	76.26	78.99	54.00	-24.99	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	40.53	43.18	54.00	10.82	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2462
Remark:	AV		

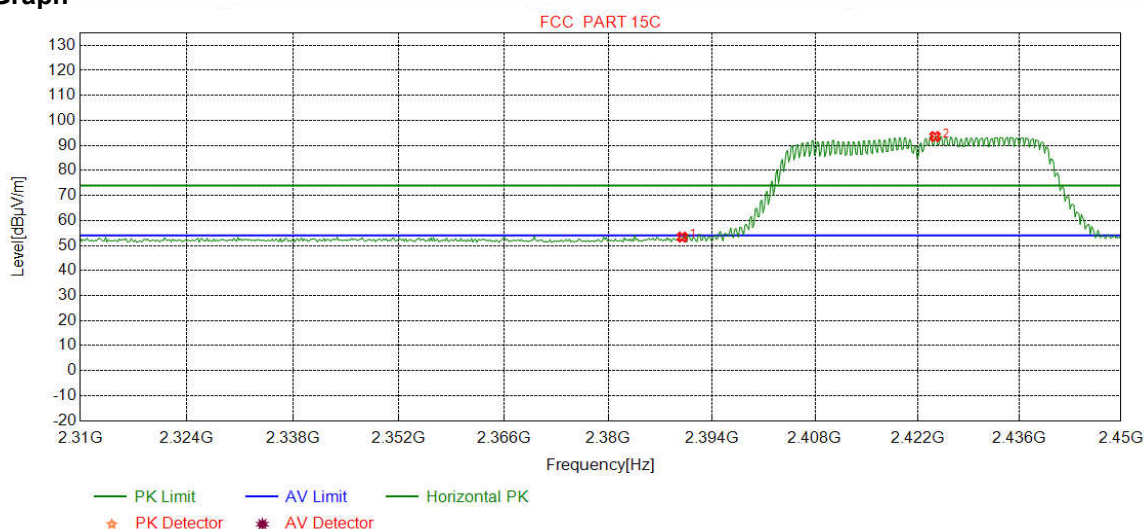
Test Graph



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	2455.9925	32.34	13.50	-43.11	79.75	82.48	54.00	-28.48	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.77	43.42	54.00	10.58	Pass	Vertical

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2422
Remark:	PK		

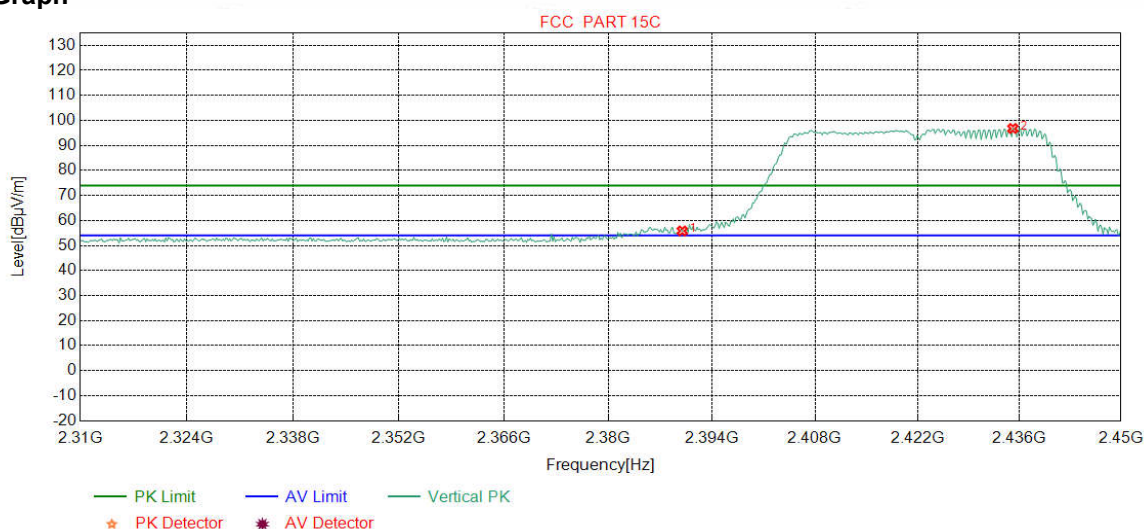
Test Graph



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	50.85	53.35	74.00	20.65	Pass	Horizontal
2	2424.4180	32.29	13.41	-43.11	90.97	93.56	74.00	-19.56	Pass	Horizontal

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2422
Remark:	PK		

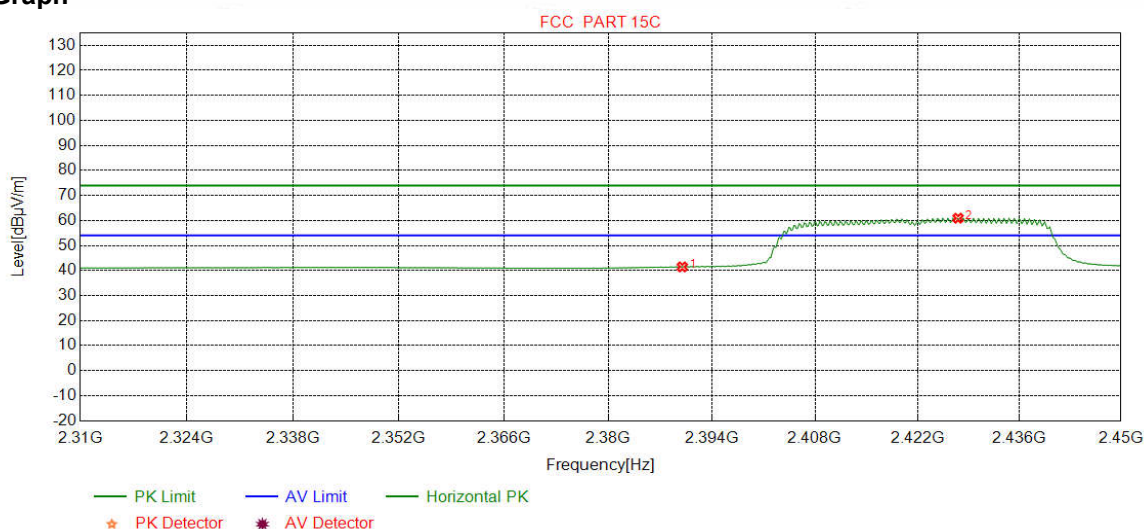
Test Graph



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	53.30	55.80	74.00	18.20	Pass	Vertical
2	2435.1064	32.31	13.46	-43.11	94.11	96.77	74.00	-22.77	Pass	Vertical

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2422
Remark:	AV		

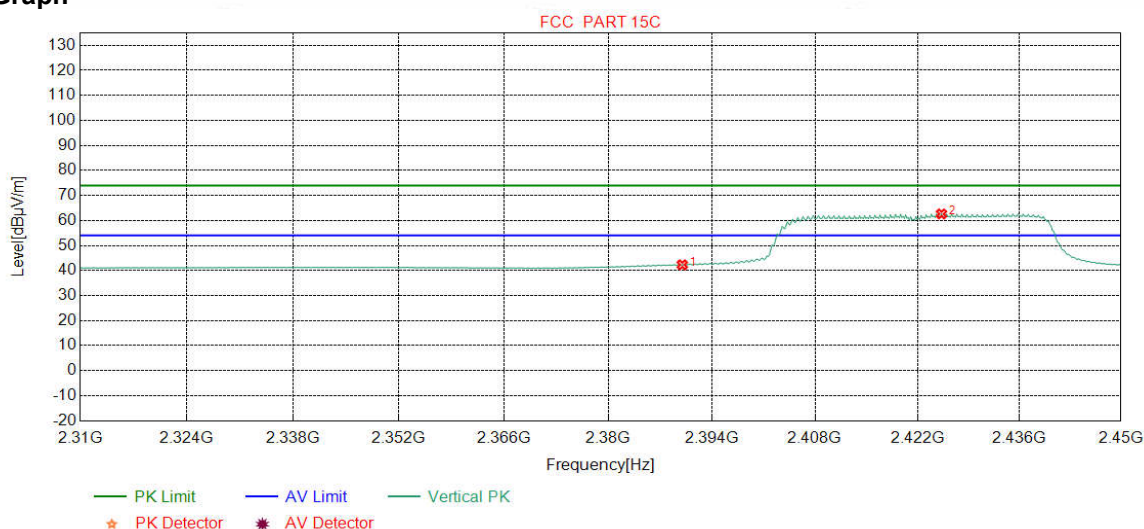
Test Graph



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	38.95	41.45	54.00	12.55	Pass	Horizontal
2	2427.5720	32.30	13.43	-43.12	58.31	60.92	54.00	-6.92	Pass	Horizontal

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2422
Remark:	AV		

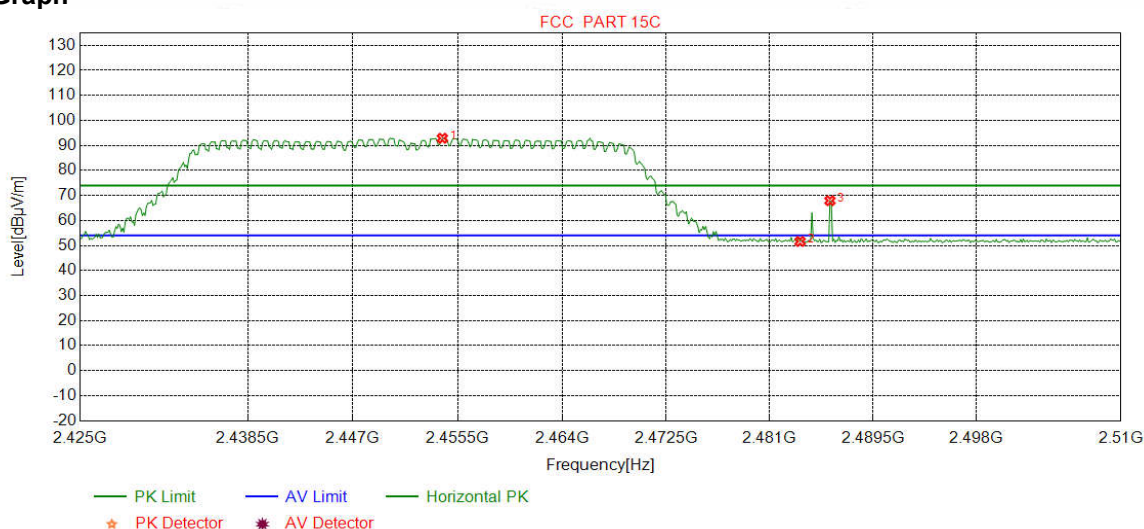
Test Graph



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	39.79	42.29	54.00	11.71	Pass	Vertical
2	2425.2941	32.30	13.42	-43.12	60.02	62.62	54.00	-8.62	Pass	Vertical

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2452
Remark:	PK		

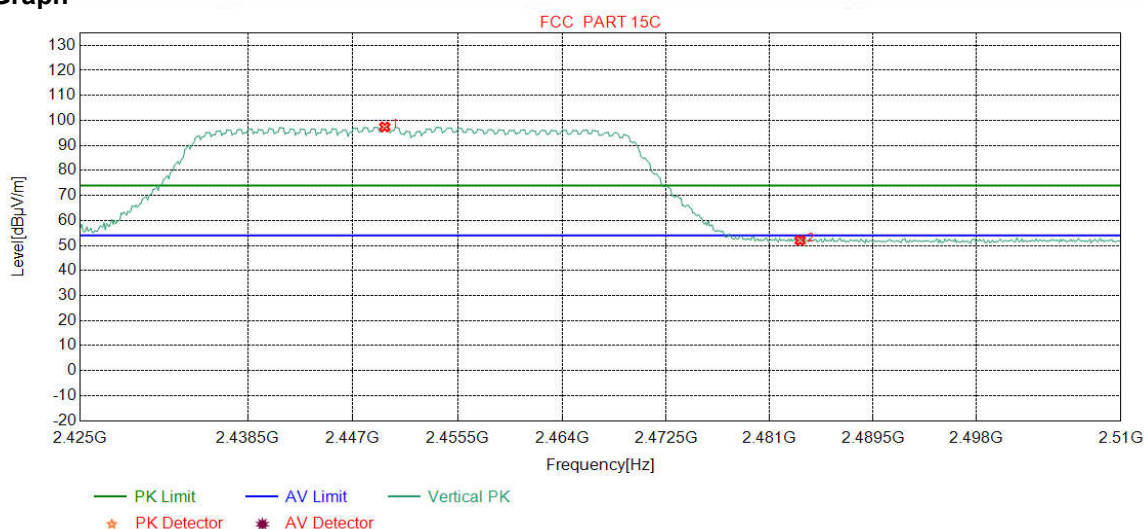
Test Graph



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	2454.2553	32.34	13.51	-43.11	90.13	92.87	74.00	-18.87	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.98	51.63	74.00	22.37	Pass	Horizontal
3	2485.9574	32.38	13.36	-43.10	65.26	67.90	74.00	6.10	Pass	Horizontal

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2452
Remark:	PK		

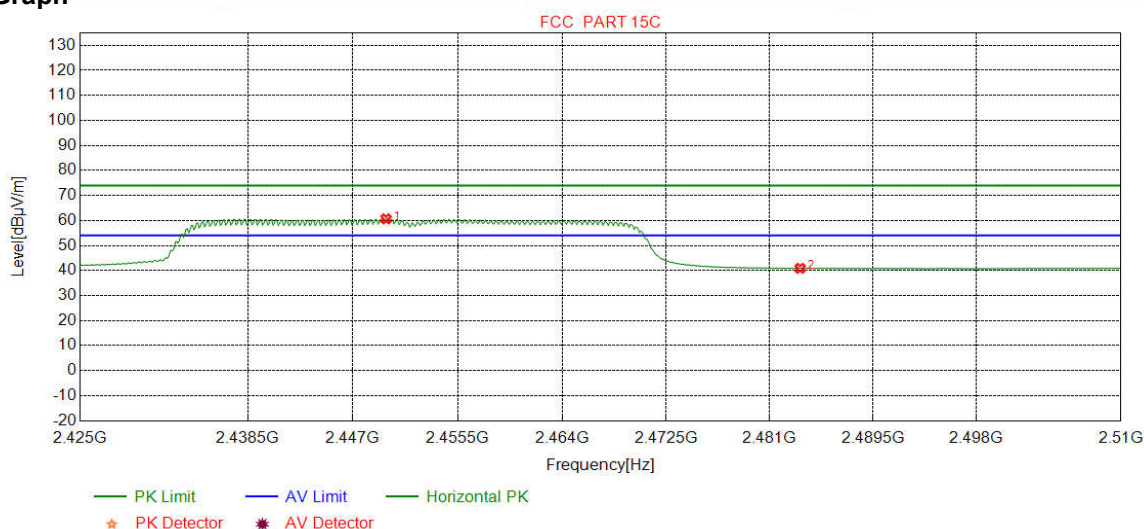
Test Graph



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	2449.5745	32.33	13.53	-43.11	94.64	97.39	74.00	-23.39	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.39	52.04	74.00	21.96	Pass	Vertical

Mode:	802.11 n(HT40) (13.5Mbps) Transmitting	Channel:	2452
Remark:	AV		

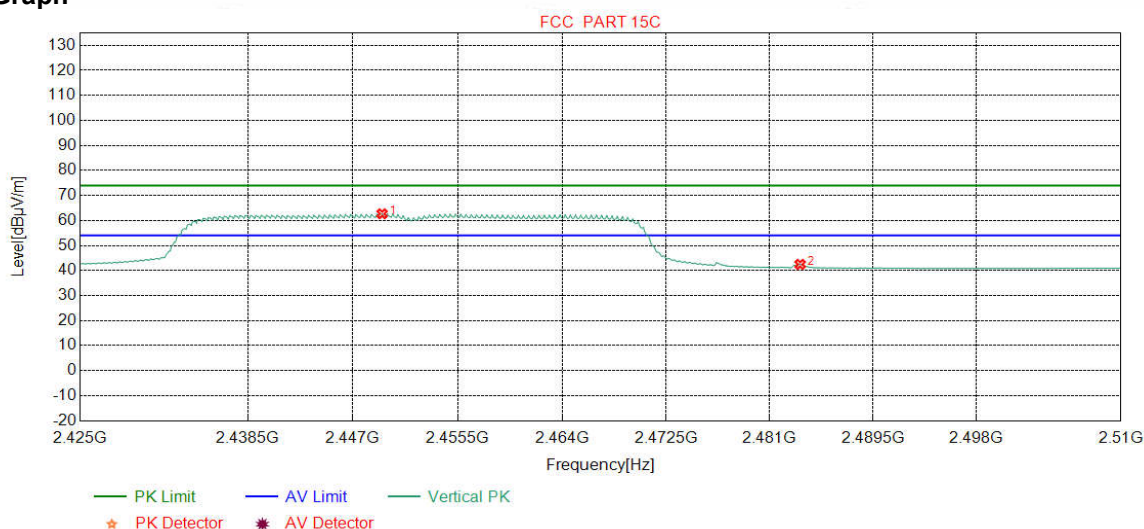
Test Graph



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	2449.6809	32.33	13.53	-43.11	57.89	60.64	54.00	-6.64	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	38.24	40.89	54.00	13.11	Pass	Horizontal

Mode:	802.11 n(HT40) (13.5Mbps) 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	2449.3617	32.33	13.53	-43.11	59.92	62.67	54.00	-8.67	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	39.82	42.47	54.00	11.53	Pass	Vertical

Note:

1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 1Mbps 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) , 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 camber. 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

Mode:		802.11 b (1Mbps) 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
1	76.9527	7.68	1.02	-31.95	57.90	34.65	40.00	5.35	Pass	H
2	96.0636	10.37	1.13	-31.97	54.76	34.29	43.50	9.21	Pass	H
3	132.0542	7.60	1.34	-32.01	59.94	36.87	43.50	6.63	Pass	H
4	299.9780	13.20	2.06	-31.40	54.99	38.85	46.00	7.15	Pass	H
5	594.1114	18.88	2.92	-31.75	45.51	35.56	46.00	10.44	Pass	H
6	844.9785	21.44	3.50	-31.82	39.96	33.08	46.00	12.92	Pass	H
7	76.6617	7.73	1.02	-31.95	56.27	33.07	40.00	6.93	Pass	V
8	120.0250	9.20	1.30	-32.07	54.33	32.76	43.50	10.74	Pass	V
9	167.7538	8.33	1.52	-31.97	53.66	31.54	43.50	11.96	Pass	V
10	299.9780	13.20	2.06	-31.40	49.85	33.71	46.00	12.29	Pass	V
11	649.9890	19.40	3.10	-32.07	43.71	34.14	46.00	11.86	Pass	V
12	899.9830	22.10	3.60	-31.40	40.32	34.62	46.00	11.38	Pass	V

Transmitter Emission above 1GHz

Mode:		802.11 b (1Mbps) 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	1095.2095	28.00	2.56	-43.01	56.32	43.87	74.00	30.13	Pass	H	Peak
2	3777.0518	33.62	4.36	-43.04	50.23	45.17	74.00	28.83	Pass	H	Peak
3	4500.1000	34.50	4.63	-42.80	51.49	47.82	74.00	26.18	Pass	H	Peak
4	4824.0000	34.50	4.61	-42.80	48.13	44.44	74.00	29.56	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	46.56	46.53	74.00	27.47	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	47.06	49.34	74.00	24.66	Pass	H	Peak
7	1153.2153	28.05	2.69	-42.94	54.54	42.34	74.00	31.66	Pass	V	Peak
8	3190.0127	33.28	4.63	-43.10	52.80	47.61	74.00	26.39	Pass	V	Peak
9	4824.0000	34.50	4.61	-42.80	52.70	49.01	74.00	24.99	Pass	V	Peak
10	6432.2288	35.89	5.45	-42.52	53.55	52.37	74.00	21.63	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	45.88	45.85	74.00	28.15	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	46.58	48.86	74.00	25.14	Pass	V	Peak

Mode:		802.11 b (1Mbps) 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	1065.0065	27.97	2.53	-43.04	57.14	44.60	74.00	29.40	Pass	H	Peak
2	2002.3002	31.70	3.47	-43.19	50.88	42.86	74.00	31.14	Pass	H	Peak
3	3368.0245	33.35	4.53	-43.10	49.58	44.36	74.00	29.64	Pass	H	Peak
4	4874.0000	34.50	4.78	-42.80	47.64	44.12	74.00	29.88	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	46.38	46.50	74.00	27.50	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	47.00	49.37	74.00	24.63	Pass	H	Peak
7	1800.0800	30.38	3.32	-42.71	52.47	43.46	74.00	30.54	Pass	V	Peak
8	3191.0127	33.28	4.64	-43.11	51.30	46.11	74.00	27.89	Pass	V	Peak
9	4874.0000	34.50	4.78	-42.80	51.39	47.87	74.00	26.13	Pass	V	Peak
10	6498.2332	35.90	5.47	-42.50	54.33	53.20	74.00	20.80	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	47.43	47.55	74.00	26.45	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	46.63	49.00	74.00	25.00	Pass	V	Peak

Mode:		802.11 b (1Mbps) 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	Remak
1	1116.2116	28.02	2.60	-42.98	55.09	42.73	74.00	31.27	Pass	H	Peak
2	2127.7128	31.88	3.62	-43.18	52.34	44.66	74.00	29.34	Pass	H	Peak
3	4500.1000	34.50	4.63	-42.80	51.32	47.65	74.00	26.35	Pass	H	Peak
4	4924.0000	34.50	4.85	-42.80	48.84	45.39	74.00	28.61	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	46.27	46.48	74.00	27.52	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	46.56	49.03	74.00	24.97	Pass	H	Peak
7	1164.4164	28.06	2.68	-42.92	56.01	43.83	74.00	30.17	Pass	V	Peak
8	1800.0800	30.38	3.32	-42.71	52.11	43.10	74.00	30.90	Pass	V	Peak
9	4924.0000	34.50	4.85	-42.80	50.79	47.34	74.00	26.66	Pass	V	Peak
10	6565.2377	35.93	5.40	-42.46	52.85	51.72	74.00	22.28	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	47.16	47.37	74.00	26.63	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	46.13	48.60	74.00	25.40	Pass	V	Peak

Mode:		802.11 g (6Mbps) 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	1119.2119	28.02	2.61	-42.98	55.19	42.84	74.00	31.16	Pass	H	Peak
2	2699.9700	32.72	4.12	-43.10	54.74	48.48	74.00	25.52	Pass	H	Peak
3	3931.0621	33.74	4.34	-43.01	50.59	45.66	74.00	28.34	Pass	H	Peak
4	4824.0000	34.50	4.61	-42.80	47.20	43.51	74.00	30.49	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	46.44	46.41	74.00	27.59	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	46.27	48.55	74.00	25.45	Pass	H	Peak
7	1123.6124	28.02	2.62	-42.97	56.42	44.09	74.00	29.91	Pass	V	Peak
8	1800.0800	30.38	3.32	-42.71	52.04	43.03	74.00	30.97	Pass	V	Peak
9	4824.0000	34.50	4.61	-42.80	48.70	45.01	74.00	28.99	Pass	V	Peak
10	6432.2288	35.89	5.45	-42.52	53.78	52.60	74.00	21.40	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	46.26	46.23	74.00	27.77	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	46.25	48.53	74.00	25.47	Pass	V	Peak

Mode:		802.11 g (6Mbps) 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	1072.8073	27.97	2.53	-43.02	55.76	43.24	74.00	30.76	Pass	H	Peak
2	1951.4952	31.38	3.42	-43.08	51.13	42.85	74.00	31.15	Pass	H	Peak
3	4500.1000	34.50	4.63	-42.80	50.86	47.19	74.00	26.81	Pass	H	Peak
4	4874.0000	34.50	4.78	-42.80	48.35	44.83	74.00	29.17	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	45.79	45.91	74.00	28.09	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	47.04	49.41	74.00	24.59	Pass	H	Peak
7	1076.2076	27.98	2.54	-43.03	55.68	43.17	74.00	30.83	Pass	V	Peak
8	4500.1000	34.50	4.63	-42.80	53.36	49.69	74.00	24.31	Pass	V	Peak
9	4874.0000	34.50	4.78	-42.80	50.87	47.35	74.00	26.65	Pass	V	Peak
10	6498.2332	35.90	5.47	-42.50	54.03	52.90	74.00	21.10	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	47.16	47.28	74.00	26.72	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	46.69	49.06	74.00	24.94	Pass	V	Peak

Mode:		802.11 g (6Mbps) 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	1117.6118	28.02	2.61	-42.98	56.63	44.28	74.00	29.72	Pass	H	Peak
2	3478.0319	33.39	4.46	-43.10	50.26	45.01	74.00	28.99	Pass	H	Peak
3	4924.0000	34.50	4.85	-42.80	48.87	45.42	74.00	28.58	Pass	H	Peak
4	6565.2377	35.93	5.40	-42.46	51.09	49.96	74.00	24.04	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	45.86	46.07	74.00	27.93	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	46.95	49.42	74.00	24.58	Pass	H	Peak
7	1285.2285	28.19	2.73	-42.81	54.28	42.39	74.00	31.61	Pass	V	Peak
8	3600.0400	33.48	4.34	-43.08	50.45	45.19	74.00	28.81	Pass	V	Peak
9	4924.0000	34.50	4.85	-42.80	51.22	47.77	74.00	26.23	Pass	V	Peak
10	6565.2377	35.93	5.40	-42.46	52.31	51.18	74.00	22.82	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	46.69	46.90	74.00	27.10	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	45.96	48.43	74.00	25.57	Pass	V	Peak

Mode:		802.11 n (HT20) (6.5Mbps)				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	1115.4115	28.02	2.60	-42.98	58.12	45.76	74.00	28.24	Pass	H	Peak
2	3059.0039	33.22	4.81	-43.10	49.97	44.90	74.00	29.10	Pass	H	Peak
3	4824.0000	34.50	4.61	-42.80	46.70	43.01	74.00	30.99	Pass	H	Peak
4	6432.2288	35.89	5.45	-42.52	51.91	50.73	74.00	23.27	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	46.51	46.48	74.00	27.52	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	46.50	48.78	74.00	25.22	Pass	H	Peak
7	1123.8124	28.02	2.62	-42.96	55.84	43.52	74.00	30.48	Pass	V	Peak
8	4500.1000	34.50	4.63	-42.80	52.87	49.20	74.00	24.80	Pass	V	Peak
9	4824.0000	34.50	4.61	-42.80	49.61	45.92	74.00	28.08	Pass	V	Peak
10	6432.2288	35.89	5.45	-42.52	53.25	52.07	74.00	21.93	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	47.13	47.10	74.00	26.90	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	45.98	48.26	74.00	25.74	Pass	V	Peak

Mode:		802.11 n (HT20) (6.5Mbps)				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	1033.0033	27.93	2.47	-43.06	56.72	44.06	74.00	29.94	Pass	H	Peak
2	3052.0035	33.22	4.83	-43.10	50.98	45.93	74.00	28.07	Pass	H	Peak
3	4874.0000	34.50	4.78	-42.80	47.66	44.14	74.00	29.86	Pass	H	Peak
4	6498.2332	35.90	5.47	-42.50	52.13	51.00	74.00	23.00	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	47.64	47.76	74.00	26.24	Pass	H	Peak
6	9767.4512	37.71	6.70	-42.11	49.42	51.72	74.00	22.28	Pass	H	Peak
7	1153.0153	28.05	2.69	-42.94	54.53	42.33	74.00	31.67	Pass	V	Peak
8	1800.2800	30.38	3.32	-42.71	52.79	43.78	74.00	30.22	Pass	V	Peak
9	4874.0000	34.50	4.78	-42.80	48.60	45.08	74.00	28.92	Pass	V	Peak
10	6498.2332	35.90	5.47	-42.50	54.45	53.32	74.00	20.68	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	46.48	46.60	74.00	27.40	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	46.38	48.75	74.00	25.25	Pass	V	Peak

Mode:		802.11 n (HT20) (6.5Mbps)				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	1139.0139	28.04	2.66	-42.95	57.56	45.31	74.00	28.69	Pass	H	Peak
2	3929.0619	33.74	4.34	-43.01	50.54	45.61	74.00	28.39	Pass	H	Peak
3	4924.0000	34.50	4.85	-42.80	47.20	43.75	74.00	30.25	Pass	H	Peak
4	6565.2377	35.93	5.40	-42.46	51.51	50.38	74.00	23.62	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	48.74	48.95	74.00	25.05	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	46.54	49.01	74.00	24.99	Pass	H	Peak
7	1065.2065	27.97	2.53	-43.04	54.39	41.85	74.00	32.15	Pass	V	Peak
8	4500.1000	34.50	4.63	-42.80	53.89	50.22	74.00	23.78	Pass	V	Peak
9	4924.0000	34.50	4.85	-42.80	48.36	44.91	74.00	29.09	Pass	V	Peak
10	6565.2377	35.93	5.40	-42.46	54.06	52.93	74.00	21.07	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	47.01	47.22	74.00	26.78	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	45.50	47.97	74.00	26.03	Pass	V	Peak

Mode:		802.11 n(HT40) (13.5Mbps) 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	1116.6117	28.02	2.60	-42.98	55.58	43.22	74.00	30.78	Pass	H	Peak
2	3447.0298	33.38	4.44	-43.10	50.25	44.97	74.00	29.03	Pass	H	Peak
3	4844.0000	34.50	4.66	-42.80	46.85	43.21	74.00	30.79	Pass	H	Peak
4	6459.2306	35.89	5.51	-42.51	52.33	51.22	74.00	22.78	Pass	H	Peak
5	7266.0000	36.37	5.80	-42.15	45.76	45.78	74.00	28.22	Pass	H	Peak
6	9688.0000	37.68	6.62	-42.10	46.36	48.56	74.00	25.44	Pass	H	Peak
7	1799.8800	30.38	3.32	-42.71	52.34	43.33	74.00	30.67	Pass	V	Peak
8	2700.1700	32.72	4.12	-43.10	56.05	49.79	74.00	24.21	Pass	V	Peak
9	4844.0000	34.50	4.66	-42.80	47.93	44.29	74.00	29.71	Pass	V	Peak
10	6458.2305	35.89	5.51	-42.50	54.21	53.11	74.00	20.89	Pass	V	Peak
11	7266.0000	36.37	5.80	-42.15	45.79	45.81	74.00	28.19	Pass	V	Peak
12	9688.0000	37.68	6.62	-42.10	46.46	48.66	74.00	25.34	Pass	V	Peak

Mode:		802.11 n(HT40) (13.5Mbps) Transmitting				Channel:		2437			
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Readin g [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1116.6117	28.02	2.60	-42.98	57.01	44.65	74.00	29.35	Pass	H	Peak
2	4500.1000	34.50	4.63	-42.80	52.25	48.58	74.00	25.42	Pass	H	Peak
3	4874.0000	34.50	4.78	-42.80	47.54	44.02	74.00	29.98	Pass	H	Peak
4	6498.2332	35.90	5.47	-42.50	52.33	51.20	74.00	22.80	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	45.94	46.06	74.00	27.94	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	46.13	48.50	74.00	25.50	Pass	H	Peak
7	1800.0800	30.38	3.32	-42.71	52.61	43.60	74.00	30.40	Pass	V	Peak
8	4500.1000	34.50	4.63	-42.80	52.19	48.52	74.00	25.48	Pass	V	Peak
9	4874.0000	34.50	4.78	-42.80	47.24	43.72	74.00	30.28	Pass	V	Peak
10	6499.2333	35.90	5.47	-42.50	54.79	53.66	74.00	20.34	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	46.71	46.83	74.00	27.17	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	46.95	49.32	74.00	24.68	Pass	V	Peak

Mode:		802.11 n(HT40) (13.5Mbps) Transmitting				Channel:		2452			
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Readin g [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1113.2113	28.01	2.59	-42.97	55.56	43.19	74.00	30.81	Pass	H	Peak
2	2700.3700	32.72	4.12	-43.10	55.01	48.75	74.00	25.25	Pass	H	Peak
3	4904.0000	34.50	4.88	-42.80	47.33	43.91	74.00	30.09	Pass	H	Peak
4	6538.2359	35.92	5.38	-42.48	51.93	50.75	74.00	23.25	Pass	H	Peak
5	7356.0000	36.46	5.85	-42.13	47.11	47.29	74.00	26.71	Pass	H	Peak
6	9808.0000	37.72	6.59	-42.10	46.59	48.80	74.00	25.20	Pass	H	Peak
7	1800.4800	30.38	3.32	-42.71	52.22	43.21	74.00	30.79	Pass	V	Peak
8	4500.1000	34.50	4.63	-42.80	52.76	49.09	74.00	24.91	Pass	V	Peak
9	4904.0000	34.50	4.88	-42.80	48.06	44.64	74.00	29.36	Pass	V	Peak
10	6539.2359	35.92	5.38	-42.48	53.84	52.66	74.00	21.34	Pass	V	Peak
11	7356.0000	36.46	5.85	-42.13	47.17	47.35	74.00	26.65	Pass	V	Peak
12	9808.0000	37.72	6.59	-42.10	47.44	49.65	74.00	24.35	Pass	V	Peak

Note:

- 1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 1Mbps 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), 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

3) 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.