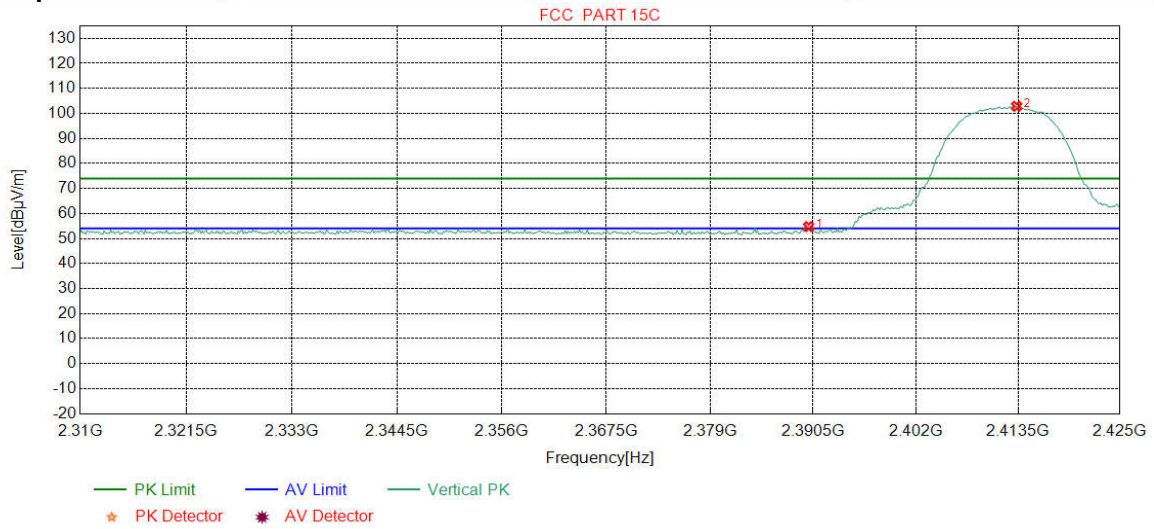


Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	PK		

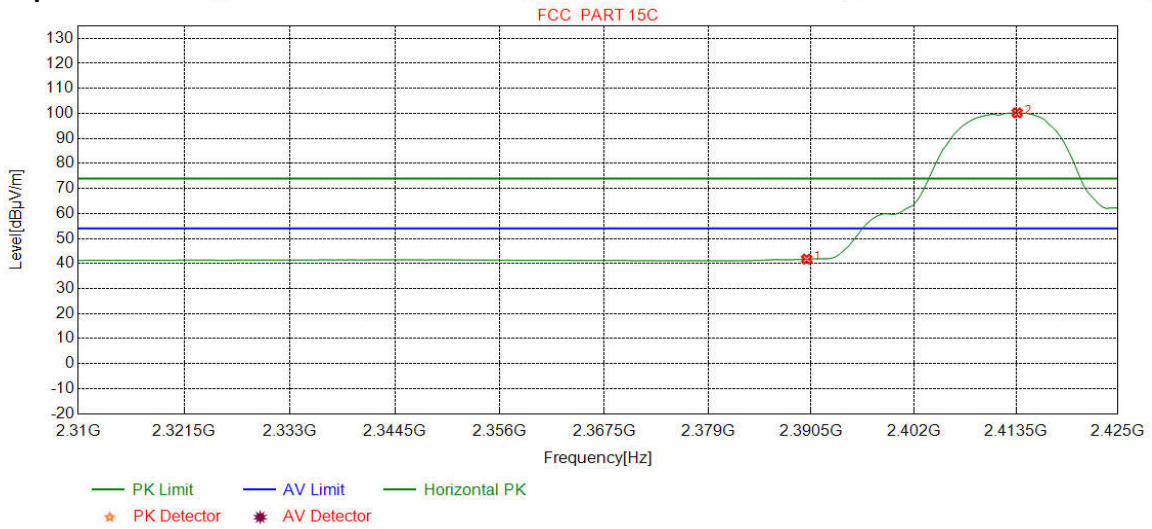
**Test Graph**



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	52.24	54.74	74.00	19.26	Pass	Vertical
2	2413.3417	32.28	13.36	-43.12	100.32	102.84	74.00	-28.84	Pass	Vertical

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

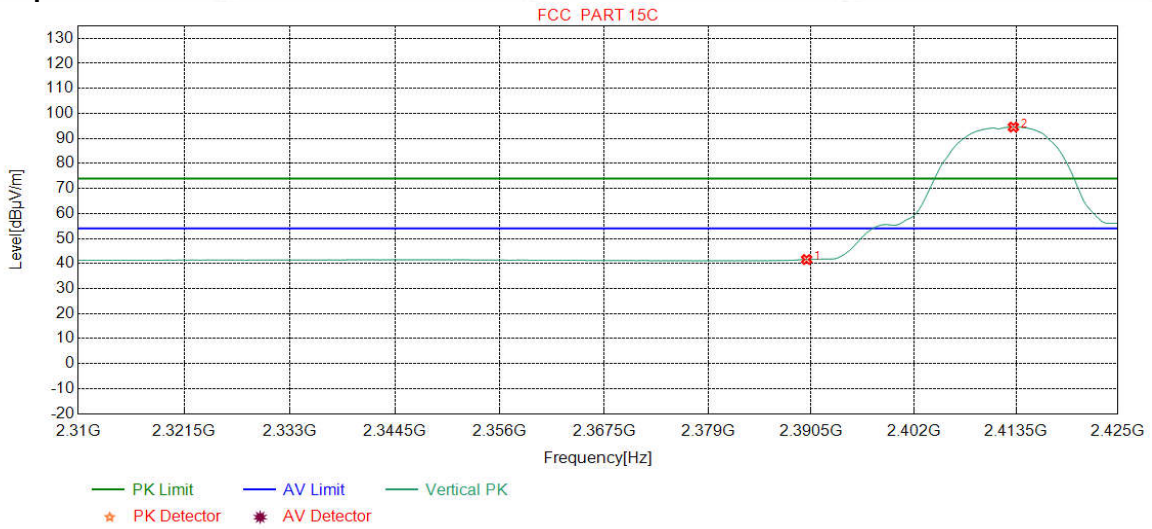
**Test Graph**



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	39.28	41.78	54.00	12.22	Pass	Horizontal
2	2413.6295	32.28	13.36	-43.12	97.71	100.23	54.00	-46.23	Pass	Horizontal

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

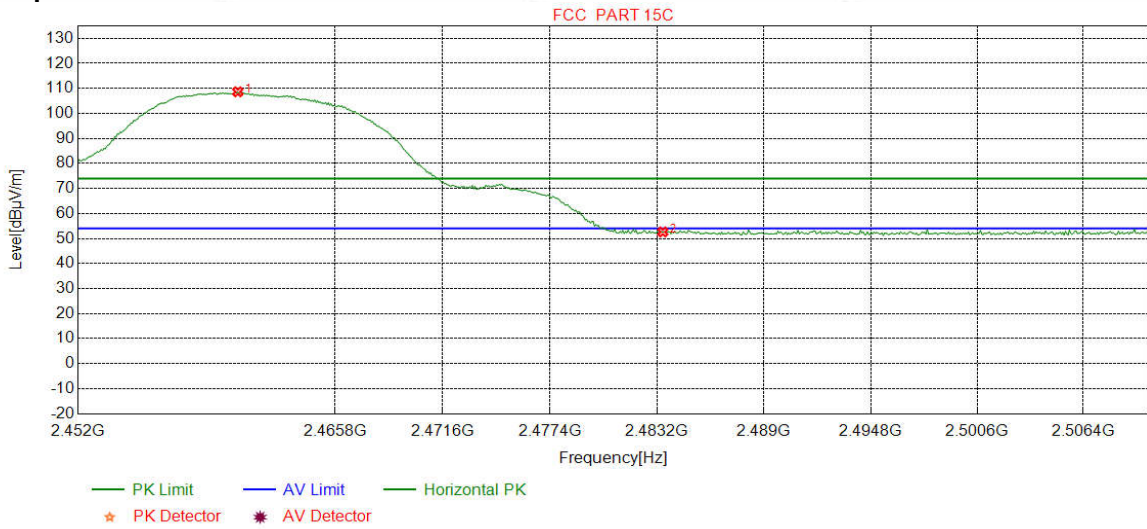
**Test Graph**



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	39.11	41.61	54.00	12.39	Pass	Vertical
2	2413.1977	32.28	13.36	-43.12	92.01	94.53	54.00	-40.53	Pass	Vertical

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

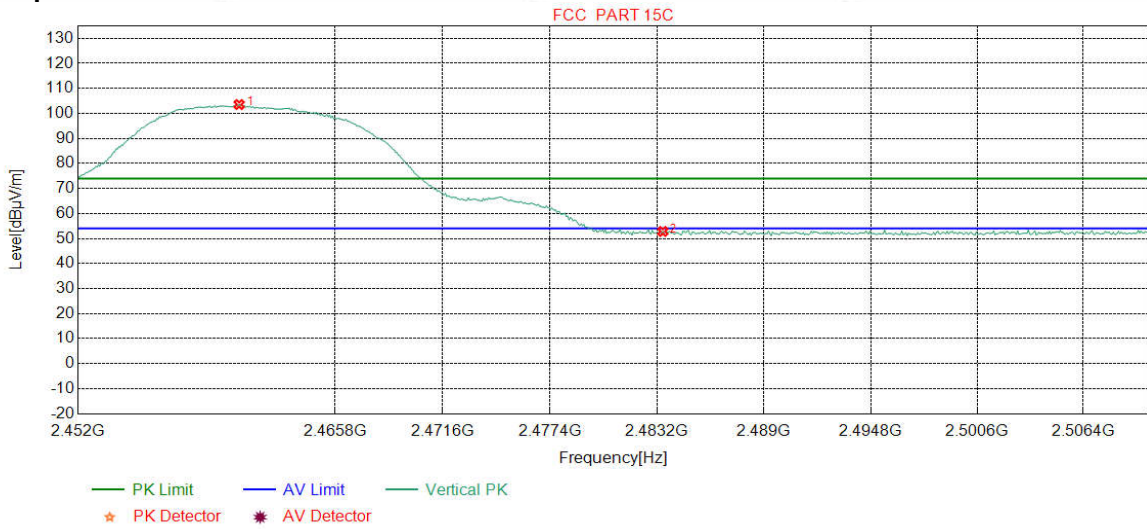
**Test Graph**



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	2460.5657	32.34	13.48	-43.10	105.91	108.63	74.00	-34.63	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	49.97	52.62	74.00	21.38	Pass	Horizontal

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

**Test Graph**

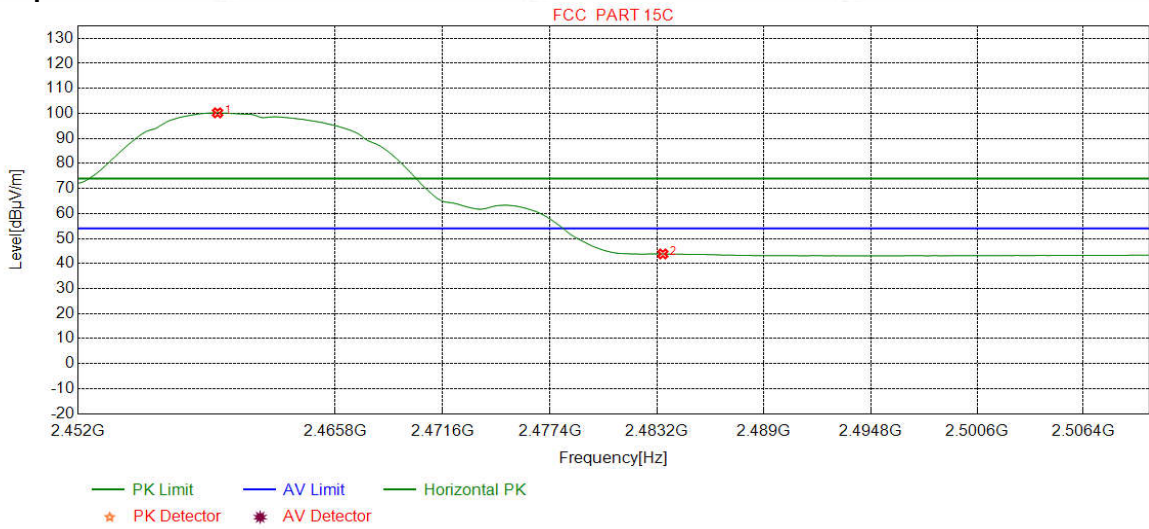


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2460.6383	32.34	13.48	-43.10	100.82	103.54	74.00	-29.54	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	50.17	52.82	74.00	21.18	Pass	Vertical



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

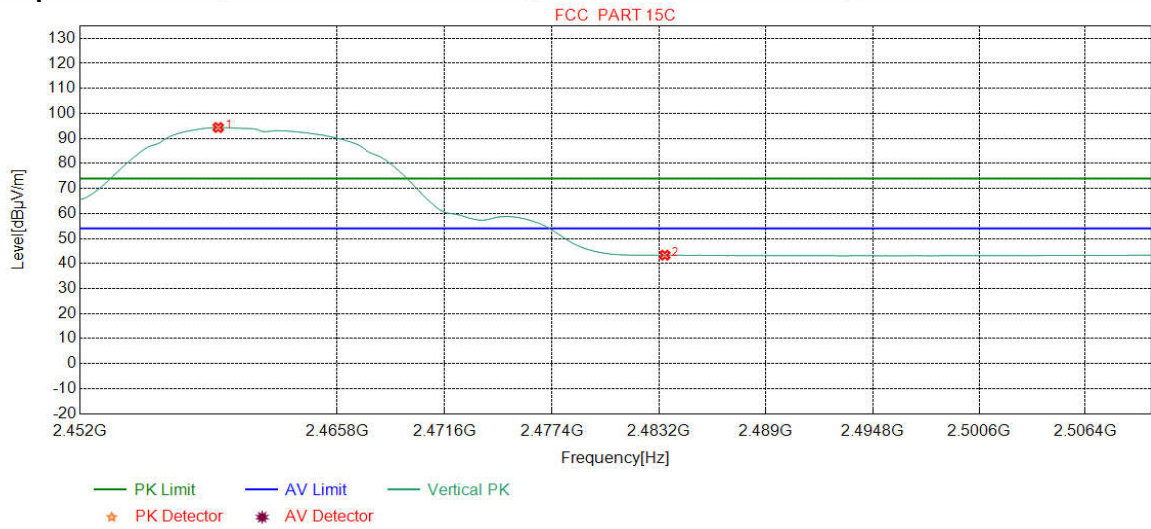
**Test Graph**



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	2459.4768	32.34	13.49	-43.11	97.53	100.25	54.00	-46.25	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	41.17	43.82	54.00	10.18	Pass	Horizontal

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

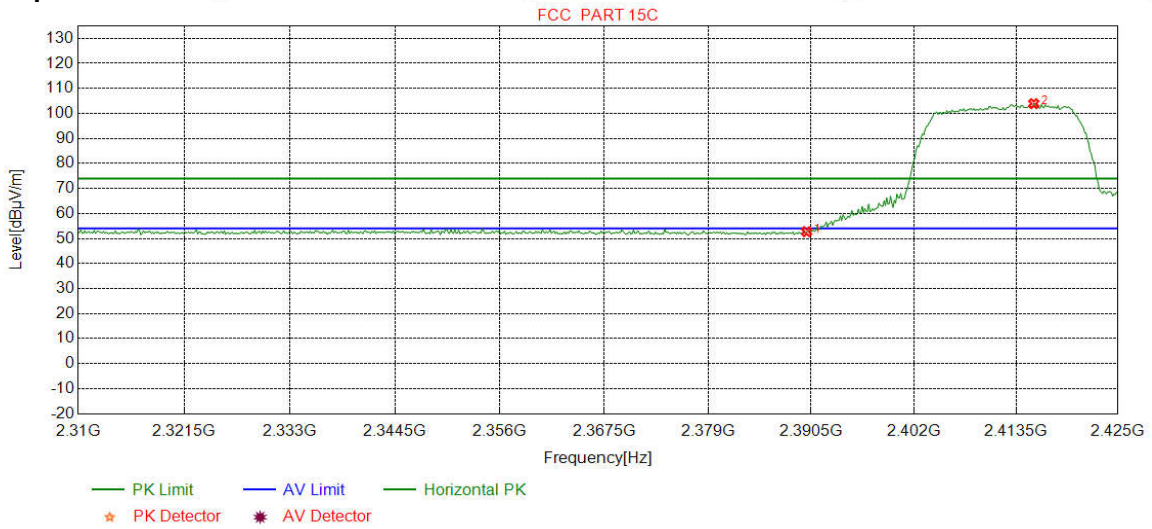
**Test Graph**



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	2459.4043	32.34	13.49	-43.11	91.63	94.35	54.00	-40.35	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.68	43.33	54.00	10.67	Pass	Vertical

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

**Test Graph**

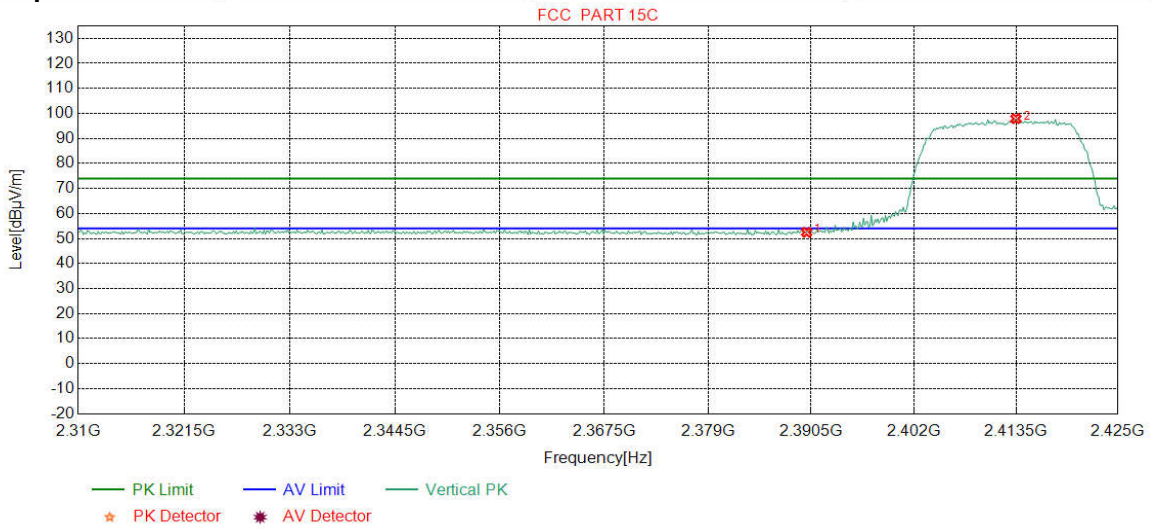


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	50.22	52.72	74.00	21.28	Pass	Horizontal
2	2415.5006	32.28	13.37	-43.11	101.35	103.89	74.00	-29.89	Pass	Horizontal



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

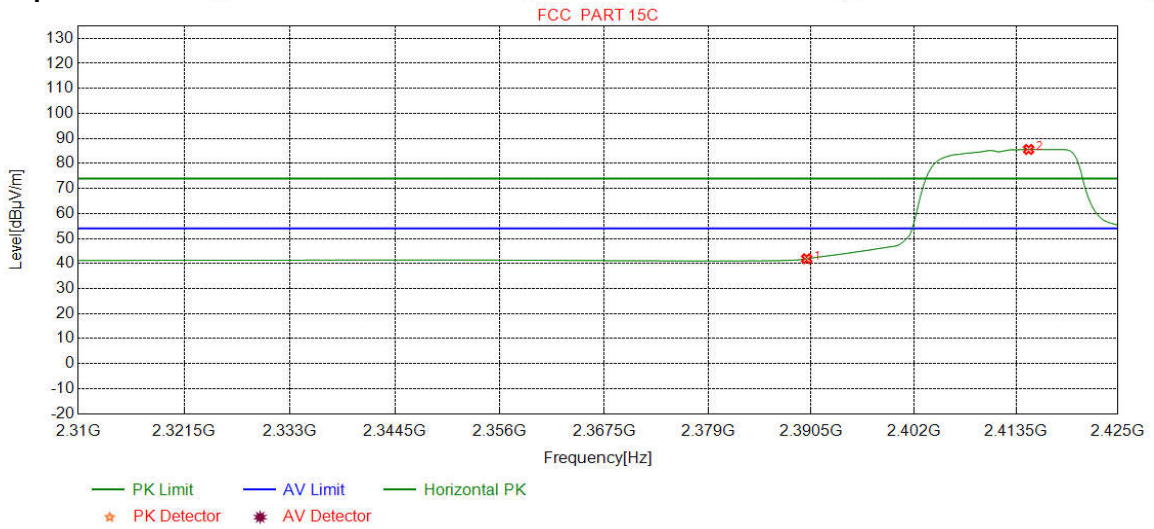
**Test Graph**



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	49.99	52.49	74.00	21.51	Pass	Vertical
2	2413.4856	32.28	13.36	-43.12	95.37	97.89	74.00	-23.89	Pass	Vertical

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

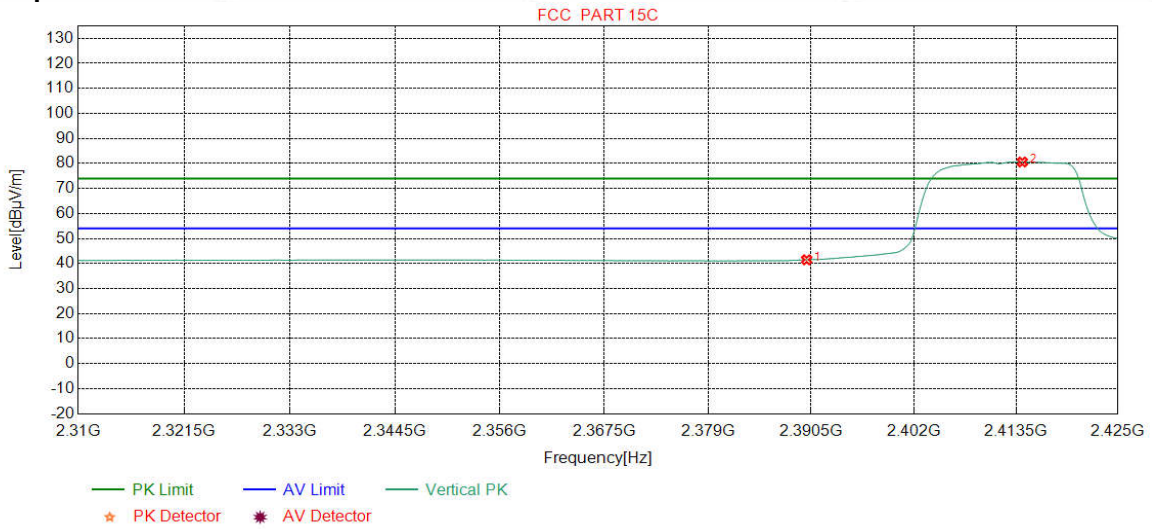
**Test Graph**



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	39.41	41.91	54.00	12.09	Pass	Horizontal
2	2414.9249	32.28	13.37	-43.12	83.07	85.60	54.00	-31.60	Pass	Horizontal

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

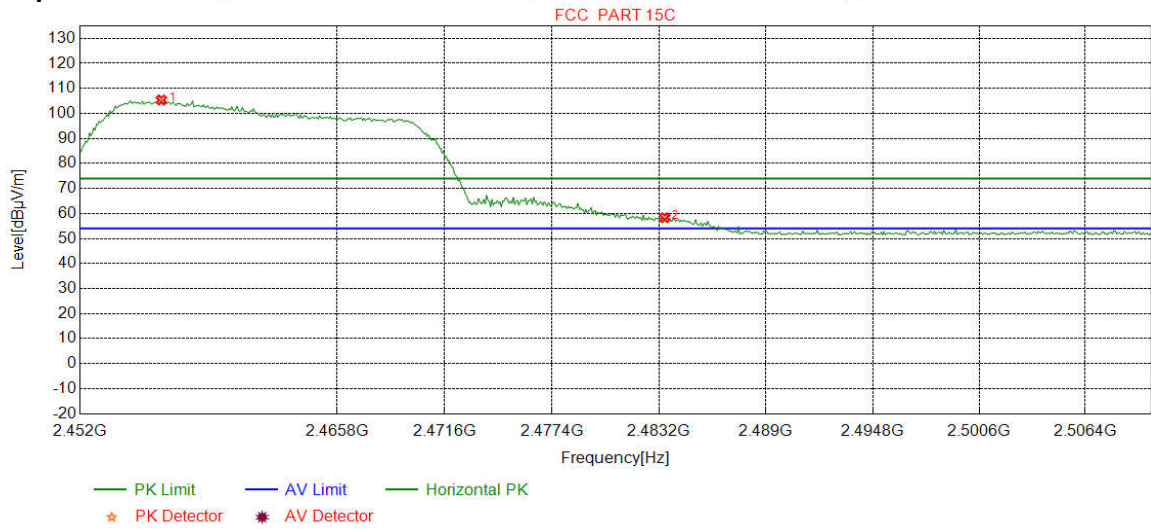
**Test Graph**



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	39.00	41.50	54.00	12.50	Pass	Vertical
2	2414.2053	32.28	13.37	-43.12	78.05	80.58	54.00	-26.58	Pass	Vertical

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

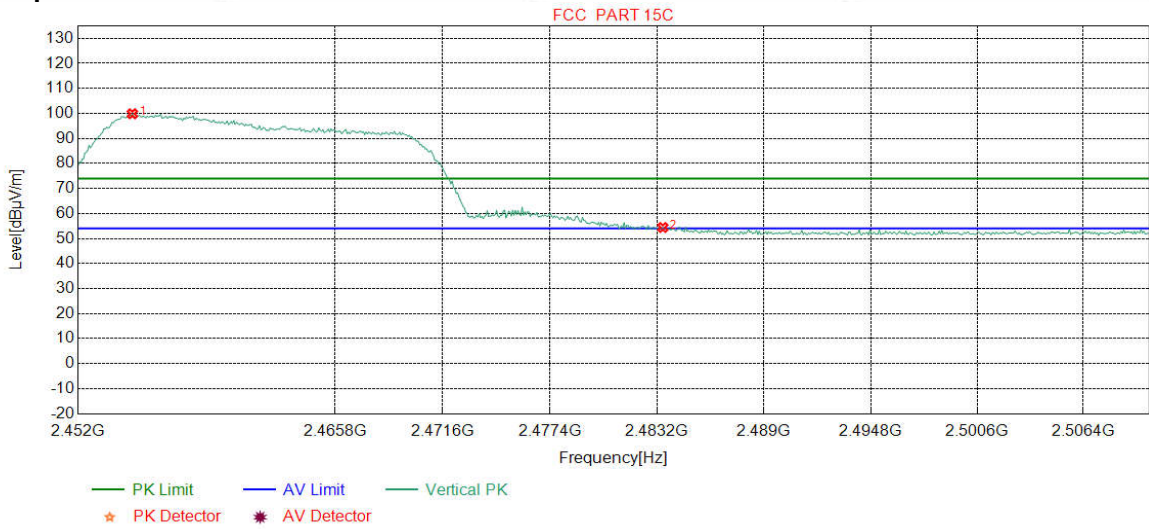
**Test Graph**



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	2456.3554	32.34	13.50	-43.11	102.62	105.35	74.00	-31.35	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	55.66	58.31	74.00	15.69	Pass	Horizontal

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

**Test Graph**

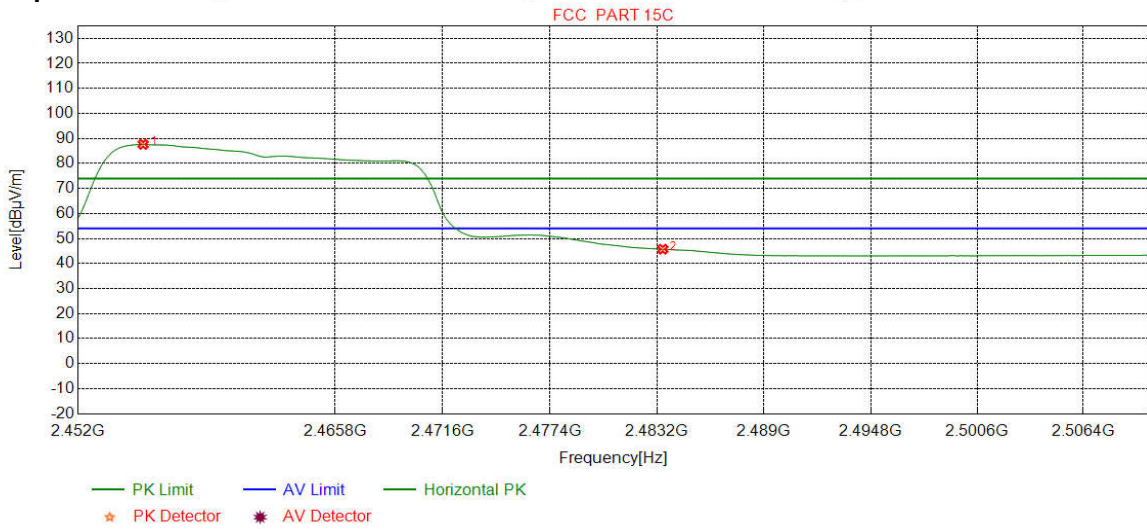


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2454.9036	32.34	13.51	-43.11	97.11	99.85	74.00	-25.85	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	51.76	54.41	74.00	19.59	Pass	Vertical



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

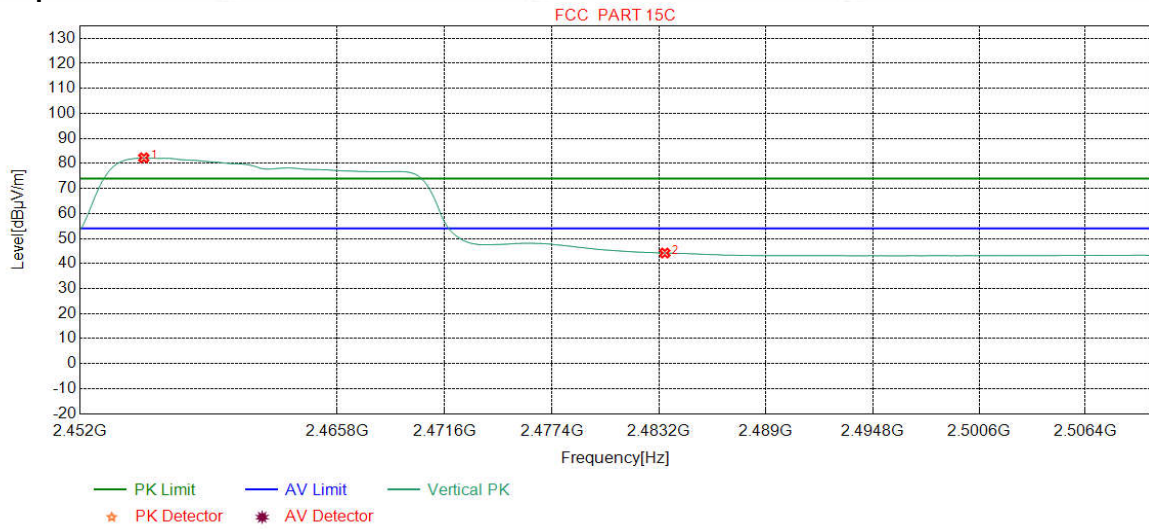
**Test Graph**



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	2455.4844	32.34	13.50	-43.11	84.91	87.64	54.00	-33.64	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	43.07	45.72	54.00	8.28	Pass	Horizontal

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

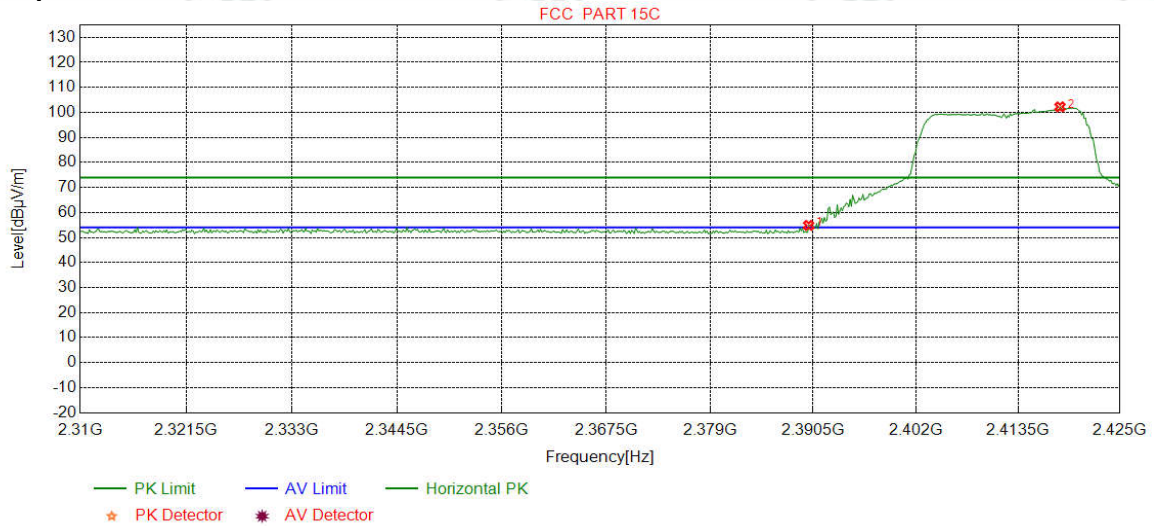
**Test Graph**



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	2455.4118	32.34	13.51	-43.12	79.50	82.23	54.00	-28.23	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	41.55	44.20	54.00	9.80	Pass	Vertical

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

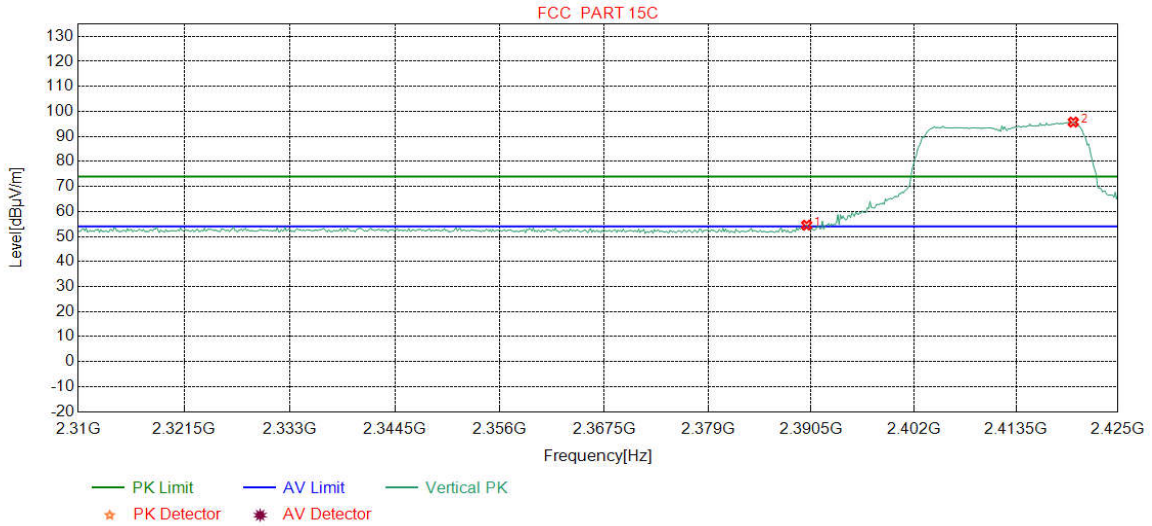
**Test Graph**



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	52.34	54.84	74.00	19.16	Pass	Horizontal
2	2418.2353	32.29	13.38	-43.12	99.67	102.22	74.00	-28.22	Pass	Horizontal

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

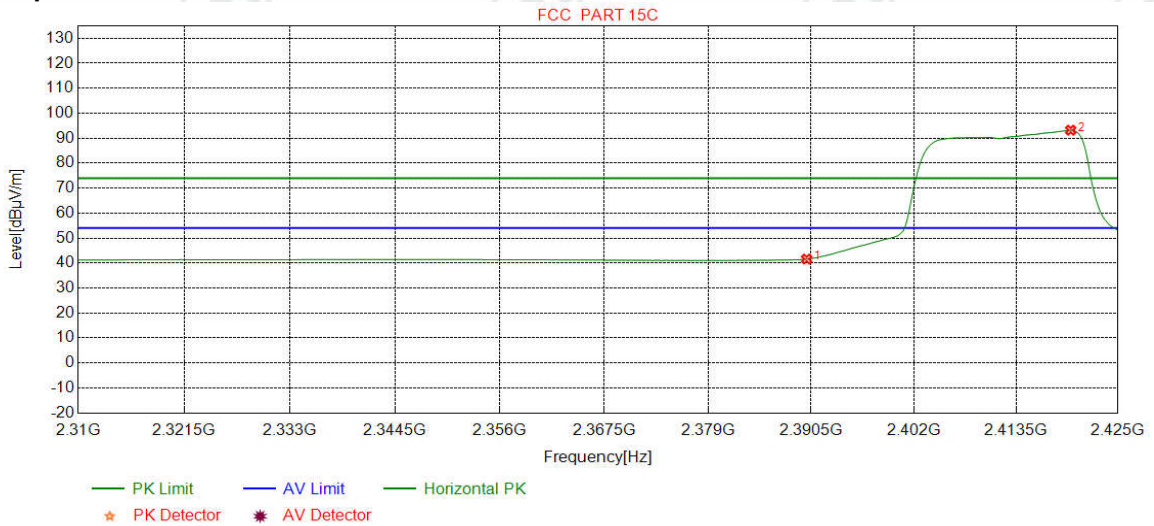
**Test Graph**



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	52.03	54.53	74.00	19.47	Pass	Vertical
2	2419.9625	32.29	13.39	-43.12	93.17	95.73	74.00	-21.73	Pass	Vertical

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

**Test Graph**

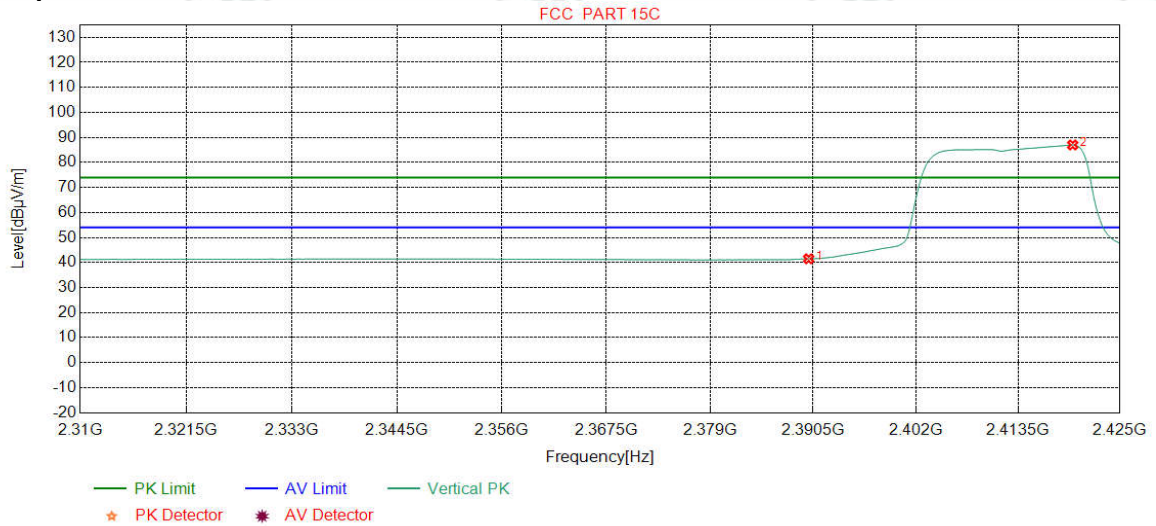


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-43.12	39.10	41.60	54.00	12.40	Pass	Horizontal
2	2419.6746	32.29	13.39	-43.12	90.64	93.20	54.00	-39.20	Pass	Horizontal



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

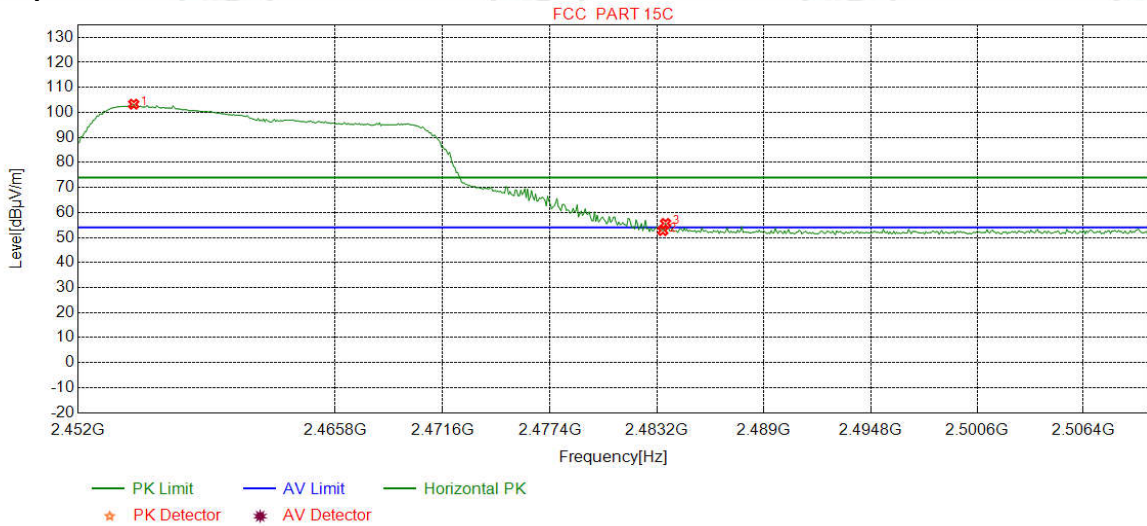
**Test Graph**



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	38.98	41.48	54.00	12.52	Pass	Vertical
2	2419.6746	32.29	13.39	-43.12	84.43	86.99	54.00	-32.99	Pass	Vertical

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

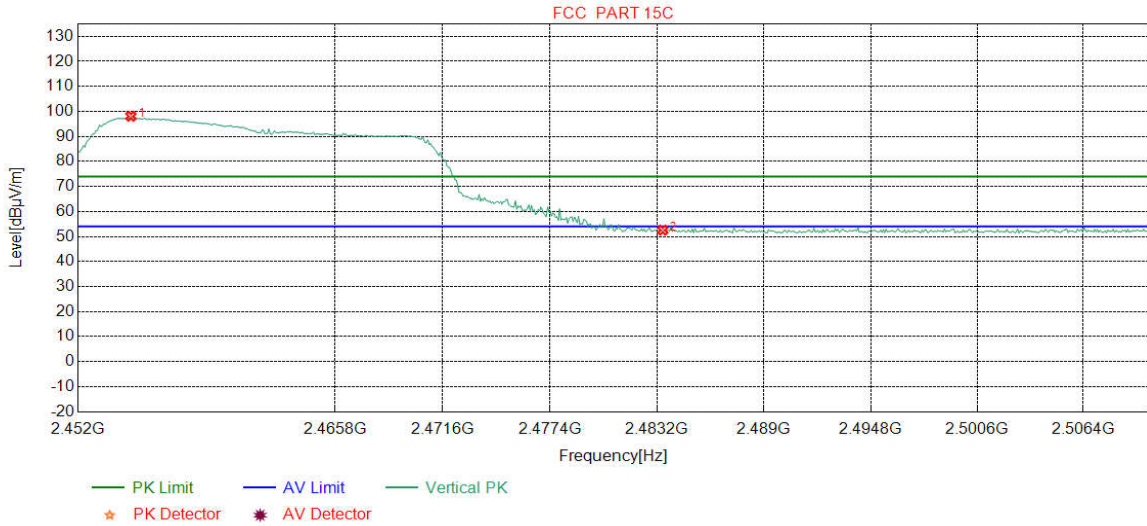
**Test Graph**



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	2454.9762	32.34	13.51	-43.11	100.55	103.29	74.00	-29.29	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	50.09	52.74	74.00	21.26	Pass	Horizontal
3	2483.6496	32.38	13.38	-43.11	52.98	55.63	74.00	18.37	Pass	Horizontal

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

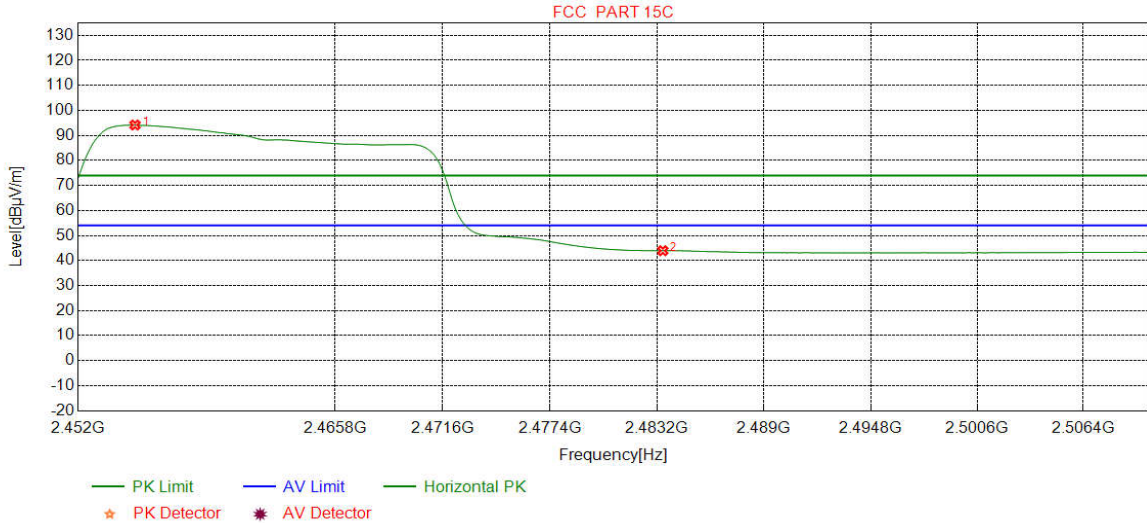
**Test Graph**



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	2454.8310	32.34	13.51	-43.11	95.32	98.06	74.00	-24.06	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.89	52.54	74.00	21.46	Pass	Vertical

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

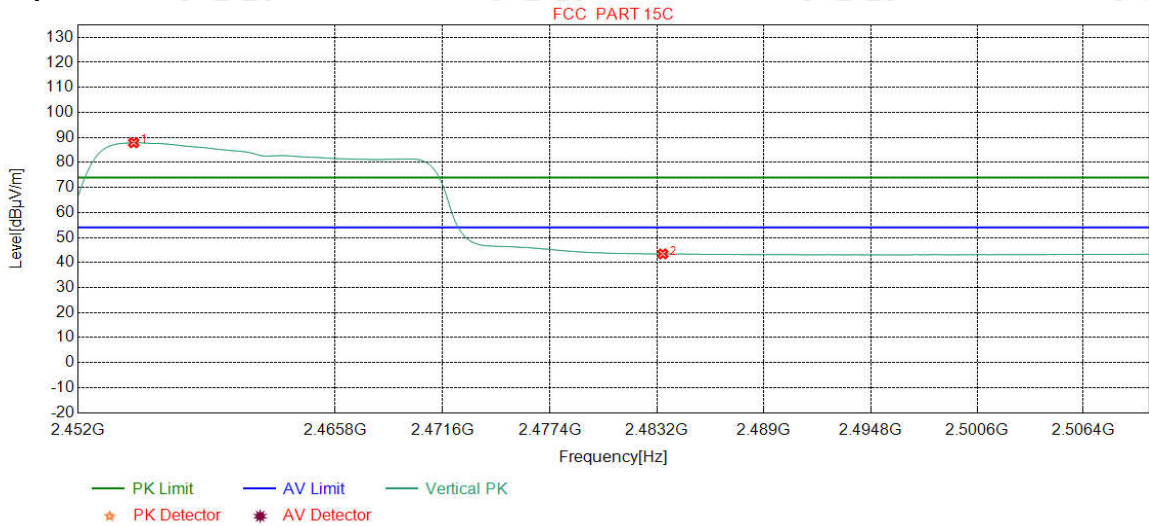
**Test Graph**



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	2455.0488	32.34	13.51	-43.12	91.43	94.16	54.00	-40.16	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	41.28	43.93	54.00	10.07	Pass	Horizontal

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

**Test Graph**

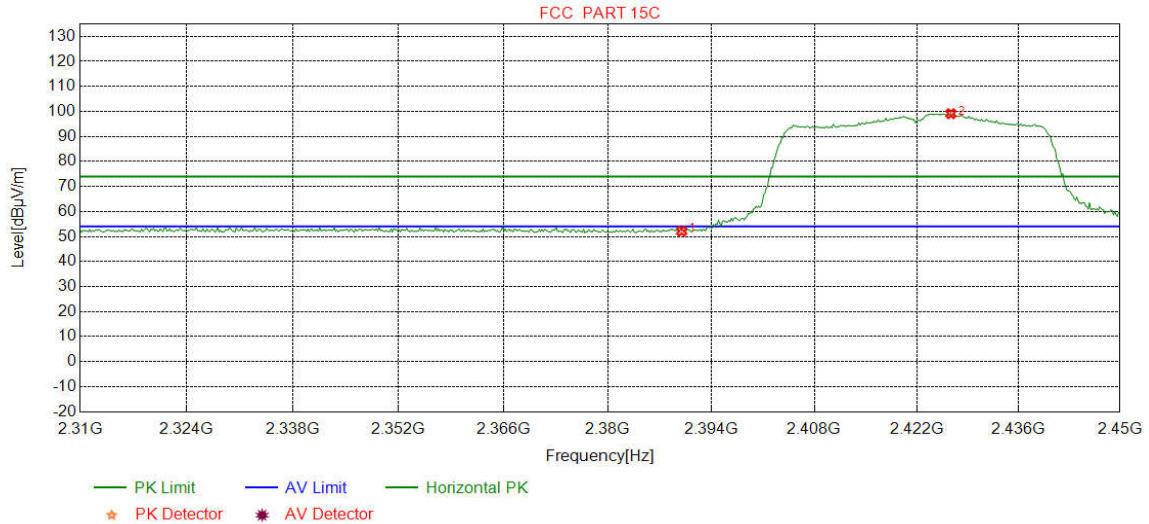


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2454.9762	32.34	13.51	-43.11	85.13	87.87	54.00	-33.87	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	40.79	43.44	54.00	10.56	Pass	Vertical



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

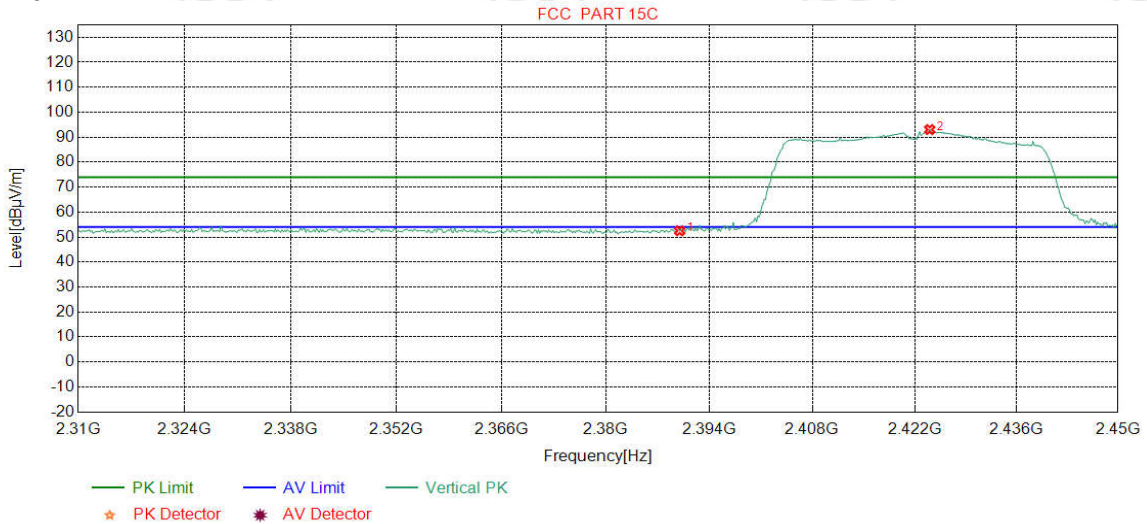
**Test Graph**



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	49.63	52.13	74.00	21.87	Pass	Horizontal
2	2426.6959	32.30	13.42	-43.11	96.47	99.08	74.00	-25.08	Pass	Horizontal

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

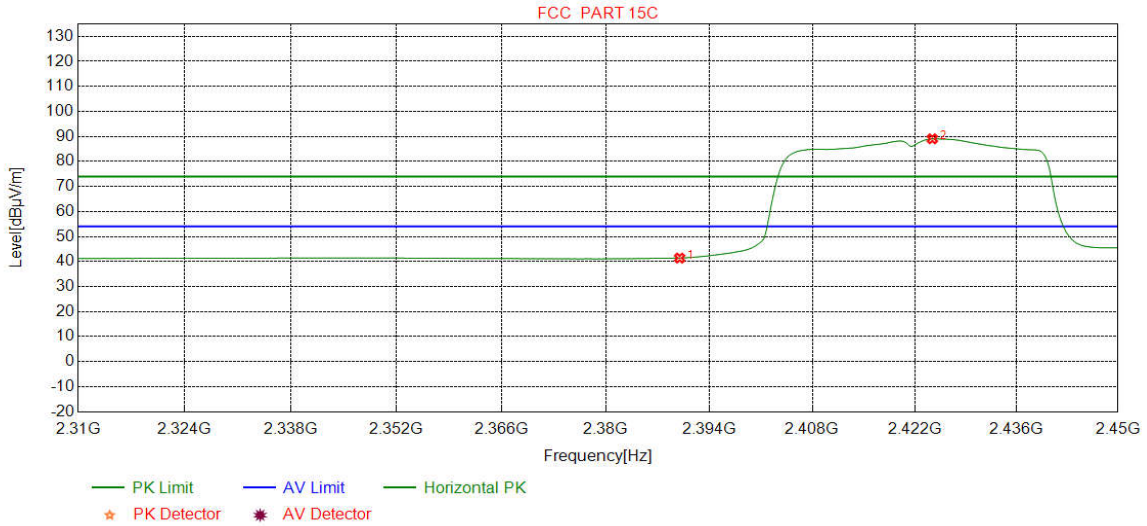
**Test Graph**



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	50.00	52.50	74.00	21.50	Pass	Vertical
2	2424.0676	32.29	13.41	-43.11	90.44	93.03	74.00	-19.03	Pass	Vertical

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

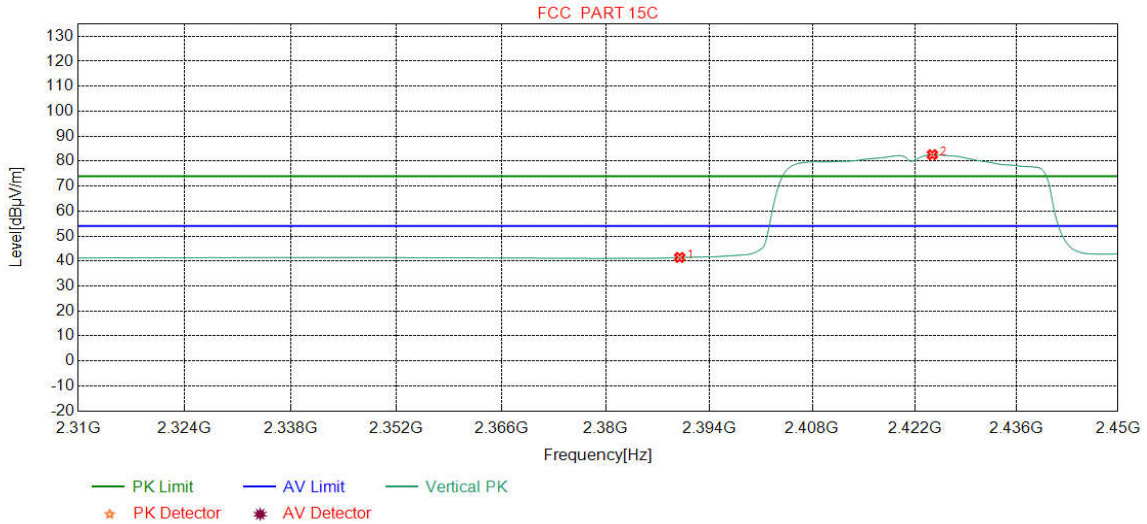
**Test Graph**



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	38.88	41.38	54.00	12.62	Pass	Horizontal
2	2424.4180	32.29	13.41	-43.11	86.45	89.04	54.00	-35.04	Pass	Horizontal

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

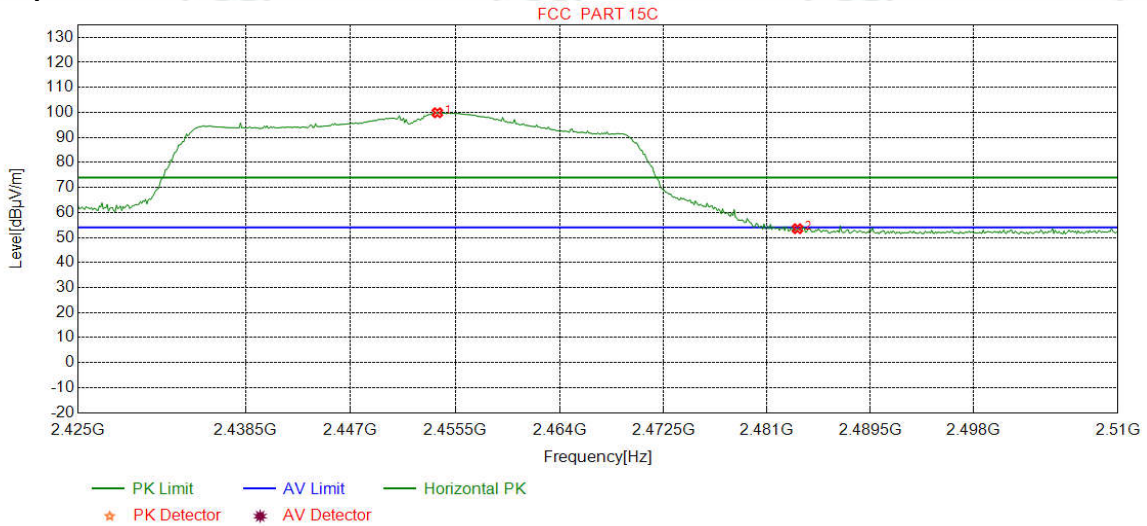
**Test Graph**



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	38.94	41.44	54.00	12.56	Pass	Vertical
2	2424.4180	32.29	13.41	-43.11	80.01	82.60	54.00	-28.60	Pass	Vertical

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

**Test Graph**

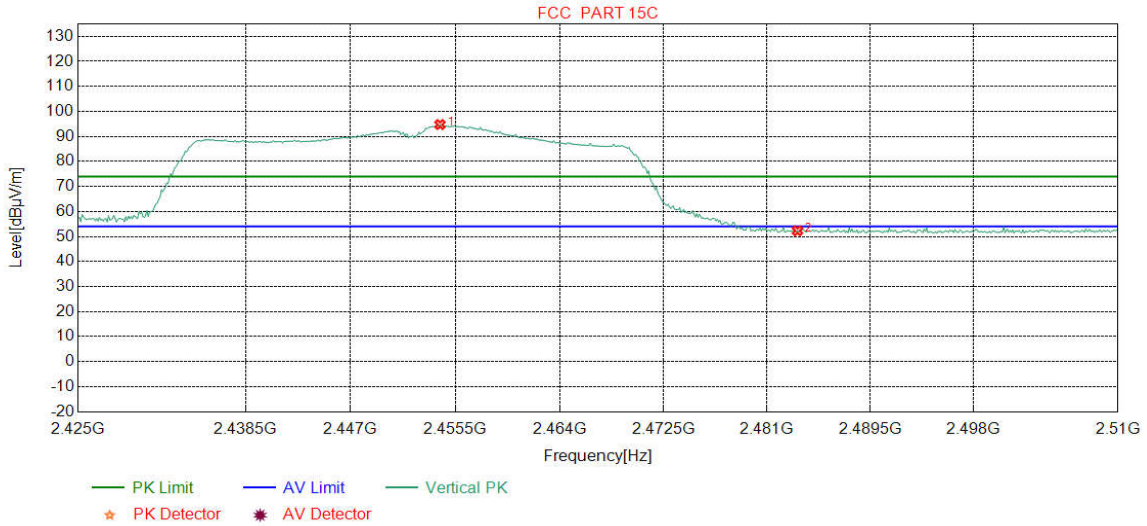


NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	2454.0426	32.34	13.51	-43.11	97.12	99.86	74.00	-25.86	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	50.87	53.52	74.00	20.48	Pass	Horizontal



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

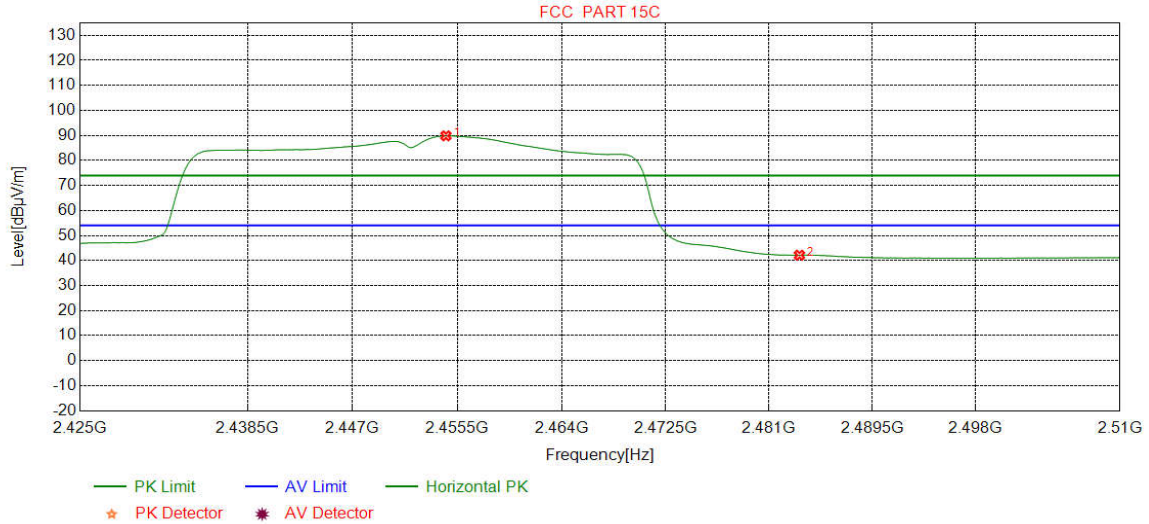
**Test Graph**



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	2454.2553	32.34	13.51	-43.11	92.00	94.74	74.00	-20.74	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	49.64	52.29	74.00	21.71	Pass	Vertical

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

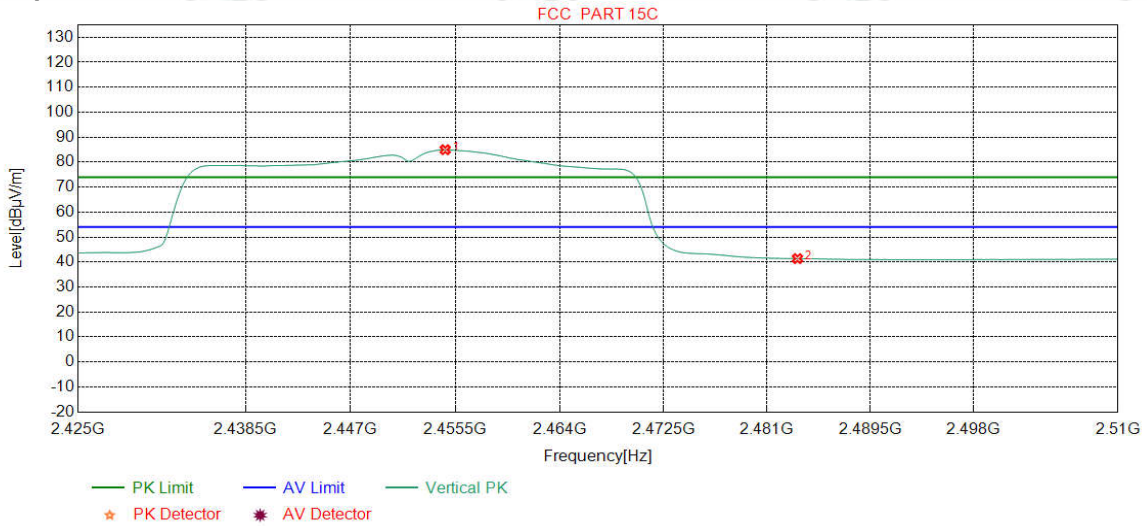
**Test Graph**



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	2454.5745	32.34	13.51	-43.11	87.10	89.84	54.00	-35.84	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	39.48	42.13	54.00	11.87	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	2454.6809	32.34	13.51	-43.11	82.23	84.97	54.00	-30.97	Pass	Vertical
2	2483.5000	32.38	13.38	-43.11	38.72	41.37	54.00	12.63	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) , 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

<b>Receiver Setup:</b>	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	
<b>Test Procedure:</b>					
<b>Below 1GHz test procedure as below:</b>					
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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.</p>					
<b>Above 1GHz test procedure as below:</b>					
<p>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)..</p> <p>h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel</p> <p>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.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p>					
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
<p>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.</p>					

**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 [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity
1	120.0250	9.20	1.30	-32.07	61.26	39.69	43.50	3.81	Pass	H
2	151.8442	7.61	1.45	-32.00	62.86	39.92	43.50	3.58	Pass	H
3	238.0858	11.89	1.83	-31.90	47.56	29.38	46.00	16.62	Pass	H
4	360.0270	14.52	2.27	-31.84	46.37	31.32	46.00	14.68	Pass	H
5	539.9800	17.80	2.79	-31.95	47.21	35.85	46.00	10.15	Pass	H
6	844.9785	21.44	3.50	-31.82	37.71	30.83	46.00	15.17	Pass	H
7	47.1707	13.20	0.77	-31.89	47.36	29.44	40.00	10.56	Pass	V
8	151.8442	7.61	1.45	-32.00	56.09	33.15	43.50	10.35	Pass	V
9	239.9290	11.94	1.84	-31.90	45.95	27.83	46.00	18.17	Pass	V
10	391.0701	15.20	2.35	-31.79	44.65	30.41	46.00	15.59	Pass	V
11	485.0725	16.76	2.63	-31.89	46.80	34.30	46.00	11.70	Pass	V
12	899.9830	22.10	3.60	-31.40	39.06	33.36	46.00	12.64	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	1494.8495	28.39	2.99	-43.08	58.43	46.73	74.00	27.27	Pass	H	Peak
2	1996.4997	31.68	3.47	-43.20	59.72	51.67	74.00	22.33	Pass	H	Peak
3	2841.7842	32.95	4.23	-43.10	58.28	52.36	74.00	21.64	Pass	H	Peak
4	4824.0000	34.50	4.61	-42.80	54.37	50.68	74.00	23.32	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	47.95	47.92	74.00	26.08	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	45.72	48.00	74.00	26.00	Pass	H	Peak
7	1495.0495	28.40	2.99	-43.09	62.36	50.66	74.00	23.34	Pass	V	Peak
8	1791.2791	30.32	3.30	-42.70	60.24	51.16	74.00	22.84	Pass	V	Peak
9	2989.5990	33.18	4.52	-43.10	56.41	51.01	74.00	22.99	Pass	V	Peak
10	4824.0000	34.50	4.61	-42.80	51.62	47.93	74.00	26.07	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	47.41	47.38	74.00	26.62	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	46.51	48.79	74.00	25.21	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	1496.0496	28.40	2.99	-43.09	60.31	48.61	74.00	25.39	Pass	H	Peak
2	1994.8995	31.67	3.46	-43.19	59.25	51.19	74.00	22.81	Pass	H	Peak
3	2989.1989	33.18	4.52	-43.10	55.86	50.46	74.00	23.54	Pass	H	Peak
4	4874.0000	34.50	4.78	-42.80	55.31	51.79	74.00	22.21	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	46.85	46.97	74.00	27.03	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	47.75	50.12	74.00	23.88	Pass	H	Peak
7	1494.4494	28.39	2.99	-43.08	60.57	48.87	74.00	25.13	Pass	V	Peak
8	1798.0798	30.37	3.32	-42.72	60.52	51.49	74.00	22.51	Pass	V	Peak
9	2989.3989	33.18	4.52	-43.10	55.83	50.43	74.00	23.57	Pass	V	Peak
10	4874.0000	34.50	4.78	-42.80	51.90	48.38	74.00	25.62	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	47.72	47.84	74.00	26.16	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	48.17	50.54	74.00	23.46	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	Remark
1	1494.8495	28.39	2.99	-43.08	58.48	46.78	74.00	27.22	Pass	H	Peak
2	1993.8994	31.66	3.46	-43.18	56.36	48.30	74.00	25.70	Pass	H	Peak
3	2990.7991	33.19	4.52	-43.10	51.60	46.21	74.00	27.79	Pass	H	Peak
4	4924.0000	34.50	4.85	-42.80	51.29	47.84	74.00	26.16	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	48.27	48.48	74.00	25.52	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	47.09	49.56	74.00	24.44	Pass	H	Peak
7	1496.4496	28.40	2.99	-43.09	62.65	50.95	74.00	23.05	Pass	V	Peak
8	1794.4794	30.34	3.31	-42.70	61.38	52.33	74.00	21.67	Pass	V	Peak
9	2993.7994	33.19	4.53	-43.10	58.18	52.80	74.00	21.20	Pass	V	Peak
10	4924.0000	34.50	4.85	-42.80	47.53	44.08	74.00	29.92	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	47.89	48.10	74.00	25.90	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	47.71	50.18	74.00	23.82	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	1495.4495	28.40	2.99	-43.09	60.02	48.32	74.00	25.68	Pass	H	Peak
2	1997.8998	31.69	3.47	-43.20	57.57	49.53	74.00	24.47	Pass	H	Peak
3	3796.0531	33.64	4.37	-43.05	50.43	45.39	74.00	28.61	Pass	H	Peak
4	4825.1217	34.50	4.61	-42.80	51.20	47.51	74.00	26.49	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	46.53	46.50	74.00	27.50	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	45.94	48.22	74.00	25.78	Pass	H	Peak
7	1795.4795	30.35	3.31	-42.71	61.60	52.55	74.00	21.45	Pass	V	Peak
8	1991.4992	31.64	3.46	-43.17	60.69	52.62	74.00	21.38	Pass	V	Peak
9	3447.0298	33.38	4.44	-43.10	52.27	46.99	74.00	27.01	Pass	V	Peak
10	4824.0000	34.50	4.61	-42.80	49.55	45.86	74.00	28.14	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	46.14	46.11	74.00	27.89	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	47.28	49.56	74.00	24.44	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	1495.4495	28.40	2.99	-43.09	58.74	47.04	74.00	26.96	Pass	H	Peak
2	1996.6997	31.68	3.47	-43.20	58.60	50.55	74.00	23.45	Pass	H	Peak
3	2990.9991	33.19	4.52	-43.10	58.47	53.08	74.00	20.92	Pass	H	Peak
4	4875.1250	34.50	4.78	-42.80	53.32	49.80	74.00	24.20	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	45.92	46.04	74.00	27.96	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	48.18	50.55	74.00	23.45	Pass	H	Peak
7	1202.0202	28.10	2.66	-42.89	55.82	43.69	74.00	30.31	Pass	V	Peak
8	1495.0495	28.40	2.99	-43.09	62.72	51.02	74.00	22.98	Pass	V	Peak
9	1791.2791	30.32	3.30	-42.70	59.96	50.88	74.00	23.12	Pass	V	Peak
10	4874.0000	34.50	4.78	-42.80	48.42	44.90	74.00	29.10	Pass	V	Peak
11	7311.0000	36.41	5.85	-42.14	46.88	47.00	74.00	27.00	Pass	V	Peak
12	9748.0000	37.70	6.77	-42.10	48.13	50.50	74.00	23.50	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	1495.4495	28.40	2.99	-43.09	59.33	47.63	74.00	26.37	Pass	H	Peak
2	1994.2994	31.66	3.46	-43.18	57.24	49.18	74.00	24.82	Pass	H	Peak
3	2998.5999	33.20	4.55	-43.11	53.32	47.96	74.00	26.04	Pass	H	Peak
4	4924.0000	34.50	4.85	-42.80	49.20	45.75	74.00	28.25	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	46.09	46.30	74.00	27.70	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	46.06	48.53	74.00	25.47	Pass	H	Peak
7	1495.2495	28.40	2.99	-43.09	63.21	51.51	74.00	22.49	Pass	V	Peak
8	1798.0798	30.37	3.32	-42.72	61.38	52.35	74.00	21.65	Pass	V	Peak
9	1996.4997	31.68	3.47	-43.20	59.92	51.87	74.00	22.13	Pass	V	Peak
10	4910.1273	34.50	4.87	-42.80	50.50	47.07	74.00	26.93	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	46.63	46.84	74.00	27.16	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	46.30	48.77	74.00	25.23	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 [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity	Remark
1	1495.2495	28.40	2.99	-43.09	59.74	48.04	74.00	25.96	Pass	H	Peak
2	1995.8996	31.67	3.47	-43.19	55.25	47.20	74.00	26.80	Pass	H	Peak
3	2991.5992	33.19	4.52	-43.10	55.38	49.99	74.00	24.01	Pass	H	Peak
4	4824.0000	34.50	4.61	-42.80	47.88	44.19	74.00	29.81	Pass	H	Peak
5	7236.0000	36.34	5.79	-42.16	46.24	46.21	74.00	27.79	Pass	H	Peak
6	9648.0000	37.66	6.72	-42.10	46.21	48.49	74.00	25.51	Pass	H	Peak
7	1306.4306	28.21	2.76	-42.78	57.22	45.41	74.00	28.59	Pass	V	Peak
8	1494.8495	28.39	2.99	-43.08	63.50	51.80	74.00	22.20	Pass	V	Peak
9	2989.5990	33.18	4.52	-43.10	57.11	51.71	74.00	22.29	Pass	V	Peak
10	4824.0000	34.50	4.61	-42.80	47.72	44.03	74.00	29.97	Pass	V	Peak
11	7236.0000	36.34	5.79	-42.16	46.67	46.64	74.00	27.36	Pass	V	Peak
12	9648.0000	37.66	6.72	-42.10	47.24	49.52	74.00	24.48	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 [dB $\mu$ V]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Result	Polarity	Remark
1	1494.2494	28.39	2.99	-43.08	59.62	47.92	74.00	26.08	Pass	H	Peak
2	1793.2793	30.34	3.31	-42.71	54.78	45.72	74.00	28.28	Pass	H	Peak
3	1993.0993	31.65	3.46	-43.18	57.25	49.18	74.00	24.82	Pass	H	Peak
4	4874.0000	34.50	4.78	-42.80	47.35	43.83	74.00	30.17	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	47.51	47.63	74.00	26.37	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	47.58	49.95	74.00	24.05	Pass	H	Peak
7	1199.8200	28.10	2.66	-42.89	57.58	45.45	74.00	28.55	Pass	V	Peak
8	1494.6495	28.39	2.99	-43.08	62.52	50.82	74.00	23.18	Pass	V	Peak
9	1801.0801	30.39	3.32	-42.71	61.02	52.02	74.00	21.98	Pass	V	Peak
10	4874.0000	34.50	4.78	-42.80	48.45	44.93	74.00	29.07	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	47.09	49.46	74.00	24.54	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	1494.6495	28.39	2.99	-43.08	61.47	49.77	74.00	24.23	Pass	H	Peak
2	1994.4995	31.66	3.46	-43.18	57.32	49.26	74.00	24.74	Pass	H	Peak
3	2992.5993	33.19	4.53	-43.10	57.10	51.72	74.00	22.28	Pass	H	Peak
4	4924.0000	34.50	4.85	-42.80	47.43	43.98	74.00	30.02	Pass	H	Peak
5	7386.0000	36.49	5.85	-42.13	47.53	47.74	74.00	26.26	Pass	H	Peak
6	9848.0000	37.74	6.83	-42.10	46.65	49.12	74.00	24.88	Pass	H	Peak
7	1200.6201	28.10	2.66	-42.89	55.62	43.49	74.00	30.51	Pass	V	Peak
8	1791.0791	30.32	3.30	-42.70	59.34	50.26	74.00	23.74	Pass	V	Peak
9	2003.9004	31.71	3.48	-43.21	59.98	51.96	74.00	22.04	Pass	V	Peak
10	4924.0000	34.50	4.85	-42.80	48.25	44.80	74.00	29.20	Pass	V	Peak
11	7386.0000	36.49	5.85	-42.13	47.27	47.48	74.00	26.52	Pass	V	Peak
12	9848.0000	37.74	6.83	-42.10	46.73	49.20	74.00	24.80	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	1494.2494	28.39	2.99	-43.08	60.82	49.12	74.00	24.88	Pass	H	Peak
2	1995.0995	31.67	3.47	-43.20	59.57	51.51	74.00	22.49	Pass	H	Peak
3	2997.5998	33.20	4.54	-43.10	53.11	47.75	74.00	26.25	Pass	H	Peak
4	4844.0000	34.50	4.66	-42.80	48.48	44.84	74.00	29.16	Pass	H	Peak
5	7266.0000	36.37	5.80	-42.15	45.94	45.96	74.00	28.04	Pass	H	Peak
6	9688.0000	37.68	6.62	-42.10	46.91	49.11	74.00	24.89	Pass	H	Peak
7	1495.2495	28.40	2.99	-43.09	64.09	52.39	74.00	21.61	Pass	V	Peak
8	1793.2793	30.34	3.31	-42.71	62.52	53.46	74.00	20.54	Pass	V	Peak
9	2989.5990	33.18	4.52	-43.10	56.63	51.23	74.00	22.77	Pass	V	Peak
10	4844.0000	34.50	4.66	-42.80	47.50	43.86	74.00	30.14	Pass	V	Peak
11	7266.0000	36.37	5.80	-42.15	46.92	46.94	74.00	27.06	Pass	V	Peak
12	9688.0000	37.68	6.62	-42.10	47.41	49.61	74.00	24.39	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]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1201.8202	28.10	2.66	-42.89	54.92	42.79	74.00	31.21	Pass	H	Peak
2	1494.8495	28.39	2.99	-43.08	59.02	47.32	74.00	26.68	Pass	H	Peak
3	1997.0997	31.68	3.47	-43.19	58.11	50.07	74.00	23.93	Pass	H	Peak
4	4874.0000	34.50	4.78	-42.80	47.87	44.35	74.00	29.65	Pass	H	Peak
5	7311.0000	36.41	5.85	-42.14	48.07	48.19	74.00	25.81	Pass	H	Peak
6	9748.0000	37.70	6.77	-42.10	46.36	48.73	74.00	25.27	Pass	H	Peak
7	1299.8300	28.20	2.75	-42.79	58.13	46.29	74.00	27.71	Pass	V	Peak
8	1494.4494	28.39	2.99	-43.08	63.69	51.99	74.00	22.01	Pass	V	Peak
9	2995.9996	33.19	4.54	-43.10	57.72	52.35	74.00	21.65	Pass	V	Peak
10	4874.0000	34.50	4.78	-42.80	47.48	43.96	74.00	30.04	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	46.96	49.33	74.00	24.67	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	1791.8792	30.33	3.31	-42.71	56.27	47.20	74.00	26.80	Pass	H	Peak
2	1991.4992	31.64	3.46	-43.17	58.88	50.81	74.00	23.19	Pass	H	Peak
3	2995.9996	33.19	4.54	-43.10	54.60	49.23	74.00	24.77	Pass	H	Peak
4	4904.0000	34.50	4.88	-42.80	46.98	43.56	74.00	30.44	Pass	H	Peak
5	7356.0000	36.46	5.85	-42.13	48.16	48.34	74.00	25.66	Pass	H	Peak
6	9808.0000	37.72	6.59	-42.10	46.94	49.15	74.00	24.85	Pass	H	Peak
7	1294.0294	28.19	2.74	-42.79	61.51	49.65	74.00	24.35	Pass	V	Peak
8	1795.0795	30.35	3.31	-42.71	61.69	52.64	74.00	21.36	Pass	V	Peak
9	1995.6996	31.67	3.47	-43.19	60.34	52.29	74.00	21.71	Pass	V	Peak
10	4904.0000	34.50	4.88	-42.80	47.54	44.12	74.00	29.88	Pass	V	Peak
11	7356.0000	36.46	5.85	-42.13	46.47	46.65	74.00	27.35	Pass	V	Peak
12	9808.0000	37.72	6.59	-42.10	46.78	48.99	74.00	25.01	Pass	V	Peak

**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), and then Only the worst case is recorded in the report.

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

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Pre-amplifier 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.