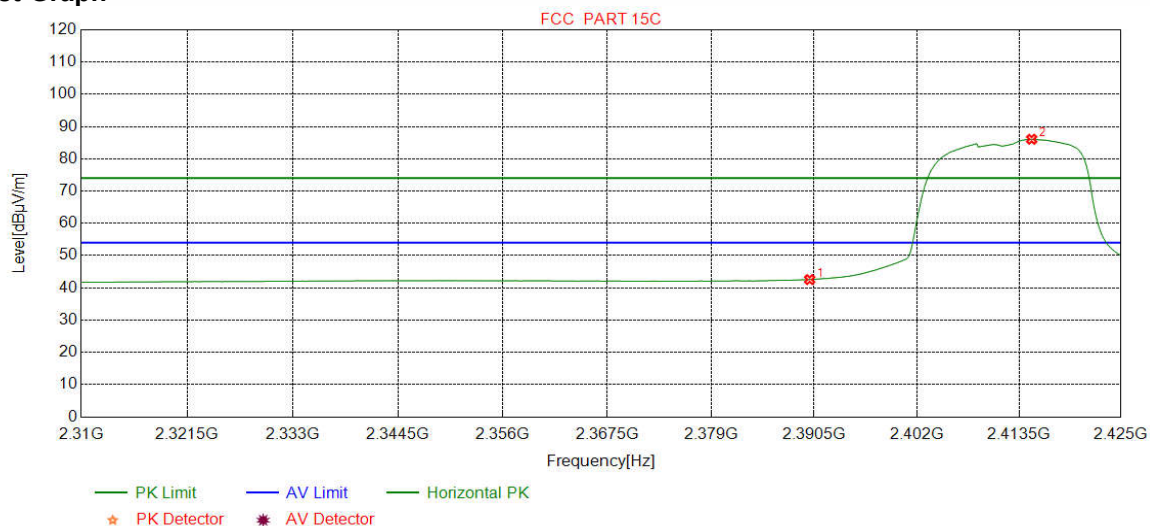


Mode:	802.11n(HT20) (6.5Mbps)	Channel:	2412
Remark:	Peak		

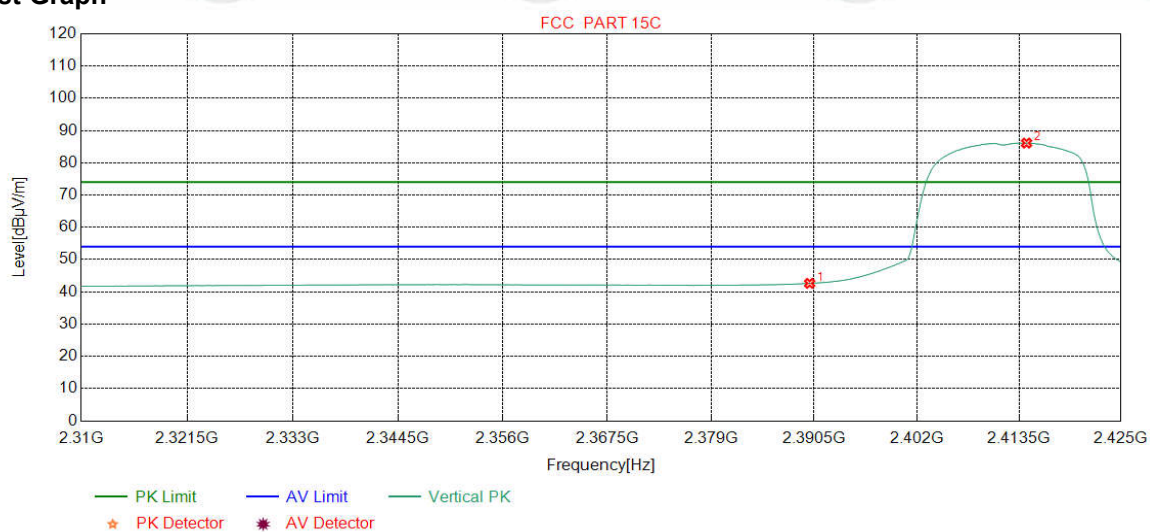
Test Graph



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	-42.44	39.39	42.57	54.00	11.43	Pass	Horizontal
2	2414.9249	32.28	13.37	-42.43	82.85	86.07	54.00	-32.07	Pass	Horizontal

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

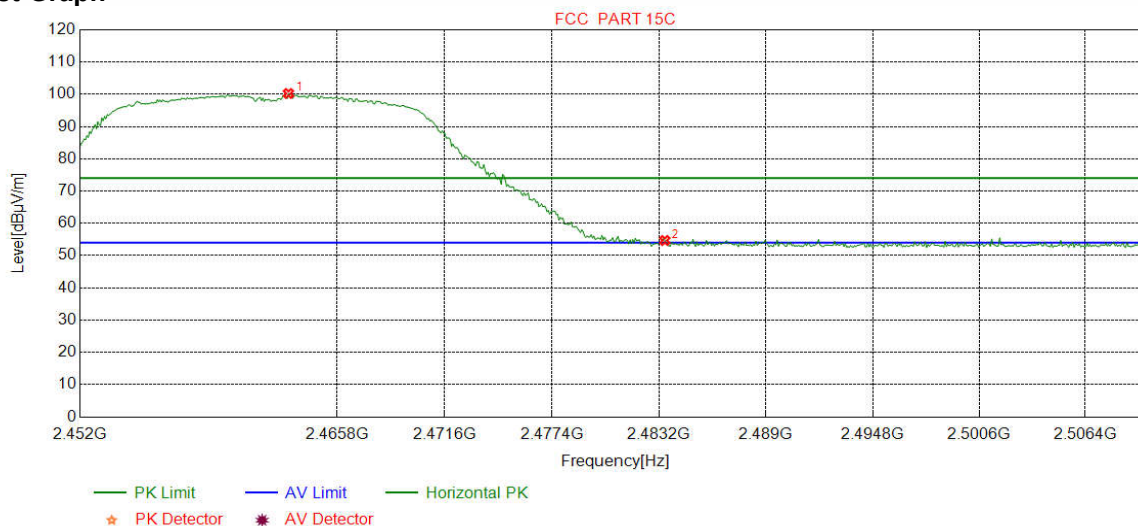
Test Graph



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	-42.44	39.45	42.63	54.00	11.37	Pass	Vertical
2	2414.3492	32.28	13.37	-42.43	82.90	86.12	54.00	-32.12	Pass	Vertical

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

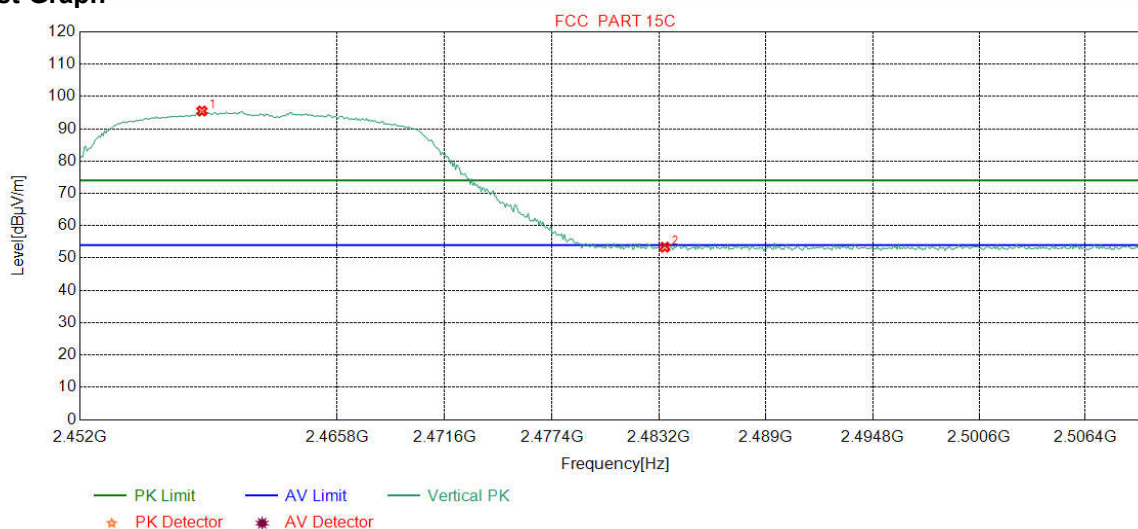
Test Graph



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	2463.1790	32.35	13.47	-42.41	96.85	100.26	74.00	-26.26	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	51.32	54.68	74.00	19.32	Pass	Horizontal

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

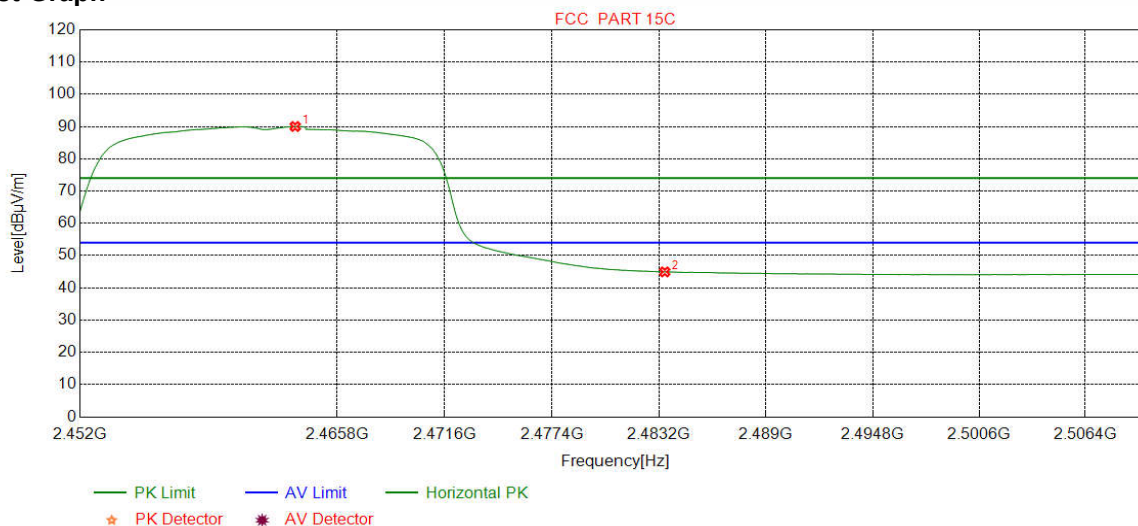
Test Graph



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	2458.5332	32.34	13.49	-42.41	92.07	95.49	74.00	-21.49	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	50.01	53.37	74.00	20.63	Pass	Vertical

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

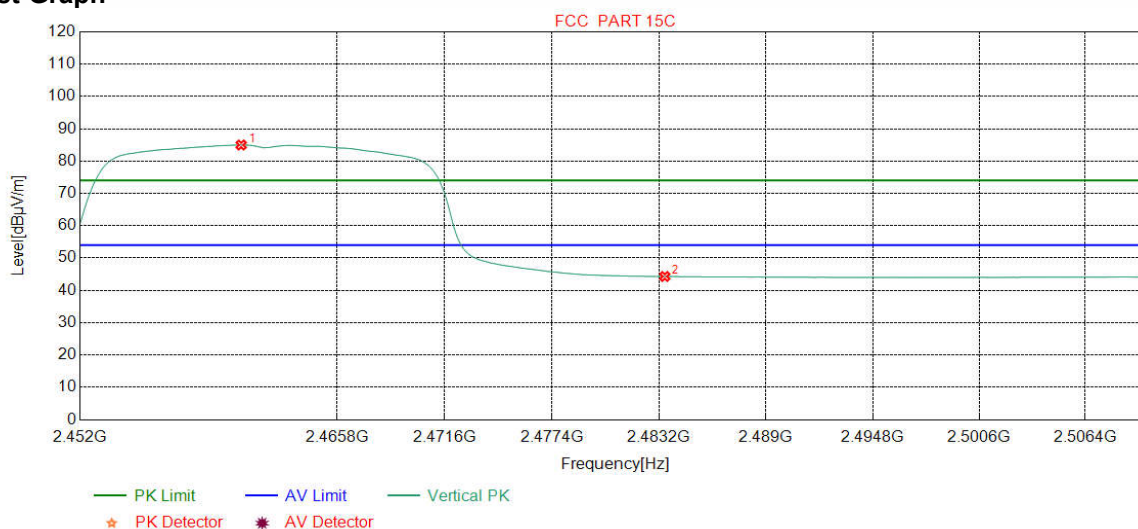
Test Graph



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	2463.5419	32.35	13.47	-42.41	86.61	90.02	54.00	-36.02	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	41.59	44.95	54.00	9.05	Pass	Horizontal

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

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	-42.40	81.57	84.99	54.00	-30.99	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	40.94	44.30	54.00	9.70	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

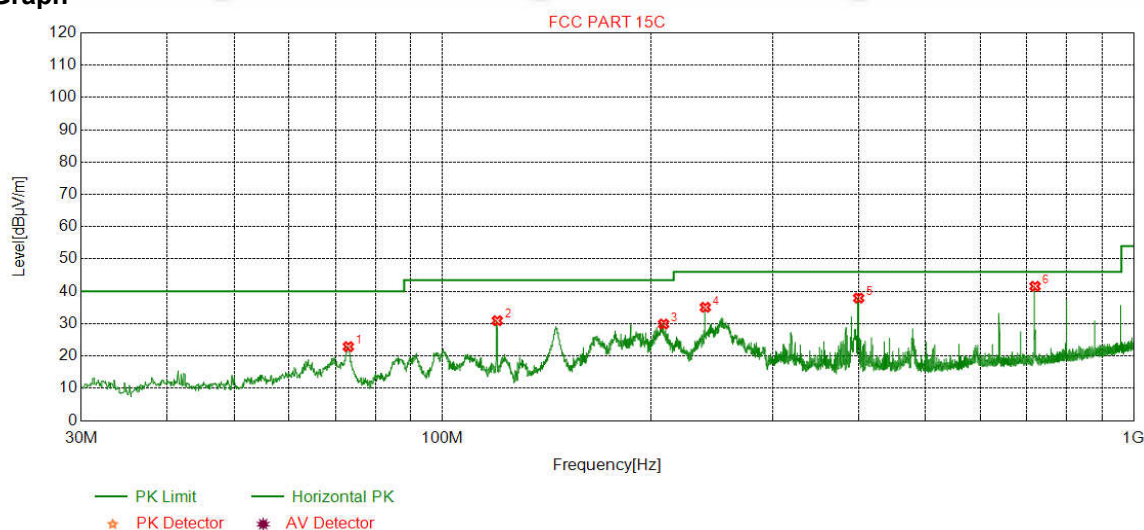
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	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.					
Temperature:	22°C		Humidity:		51%

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	QP		

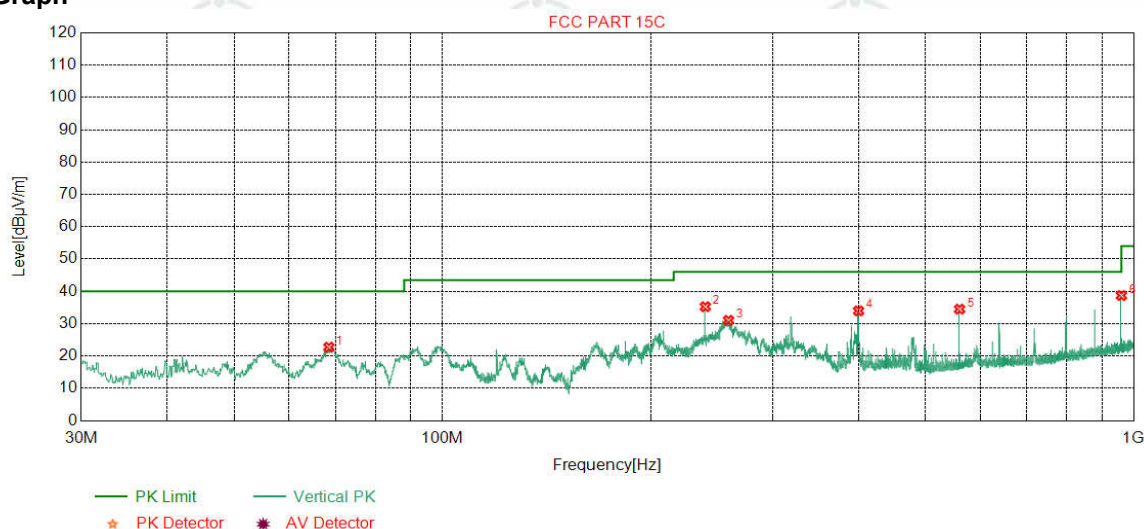
Test Graph



Suspected List										
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	73.0723	8.42	0.99	-32.06	45.54	22.89	40.00	17.11	Pass	Horizontal
2	120.0250	9.20	1.30	-32.07	52.49	30.92	43.50	12.58	Pass	Horizontal
3	208.8859	11.13	1.71	-31.94	49.00	29.90	43.50	13.60	Pass	Horizontal
4	240.0260	11.94	1.84	-31.90	53.18	35.06	46.00	10.94	Pass	Horizontal
5	400.0920	15.40	2.38	-31.76	51.90	37.92	46.00	8.08	Pass	Horizontal
6	720.0300	20.02	3.22	-32.07	50.39	41.56	46.00	4.44	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	QP		

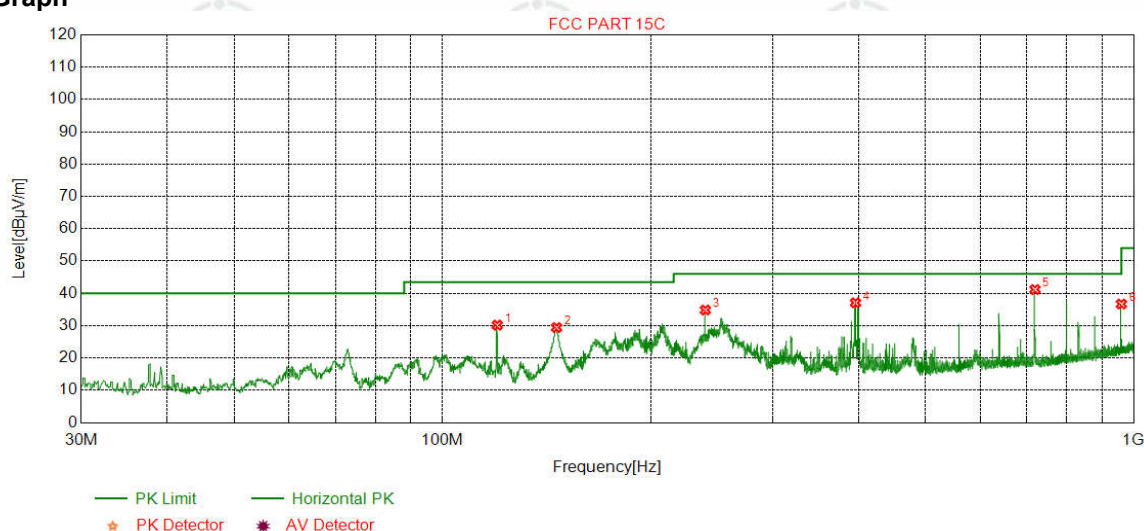
Test Graph



Suspected List										
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	68.5129	9.39	0.94	-32.05	44.46	22.74	40.00	17.26	Pass	Vertical
2	240.0260	11.94	1.84	-31.90	53.39	35.27	46.00	10.73	Pass	Vertical
3	259.3309	12.39	1.92	-31.88	48.61	31.04	46.00	14.96	Pass	Vertical
4	399.9950	15.40	2.38	-31.76	47.94	33.96	46.00	12.04	Pass	Vertical
5	559.9640	18.20	2.82	-31.98	45.46	34.50	46.00	11.50	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	43.64	38.72	54.00	15.28	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	QP		

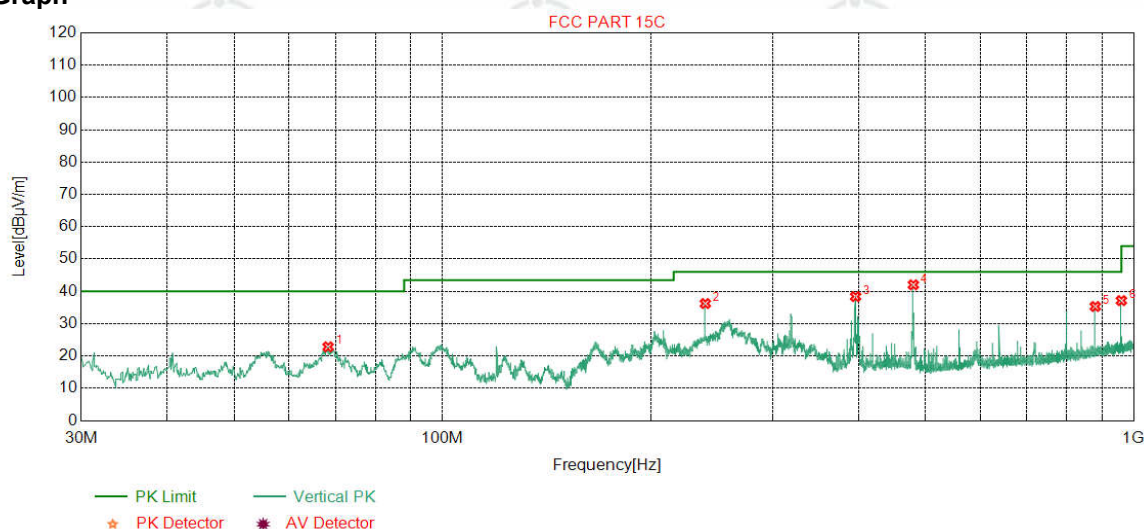
Test Graph



Suspected List										
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	120.0250	9.20	1.30	-32.07	51.74	30.17	43.50	13.33	Pass	Horizontal
2	146.2176	7.42	1.43	-32.01	52.59	29.43	43.50	14.07	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	52.97	34.85	46.00	11.15	Pass	Horizontal
4	395.9206	15.31	2.37	-31.78	51.18	37.08	46.00	8.92	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	50.02	41.19	46.00	4.81	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	41.63	36.71	54.00	17.29	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	QP		

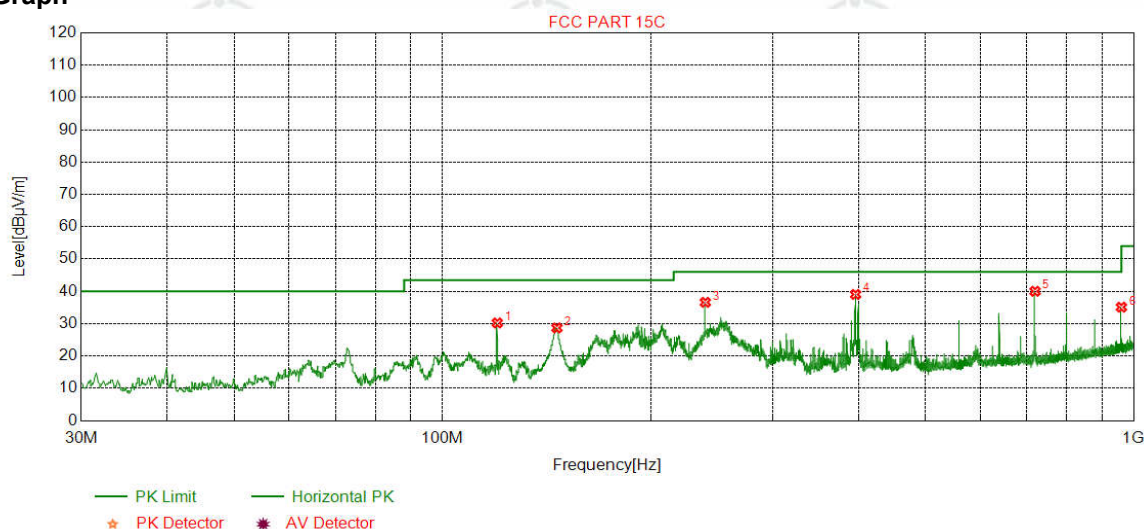
Test Graph



Suspected List										
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	68.3188	9.44	0.94	-32.05	44.51	22.84	40.00	17.16	Pass	Vertical
2	240.0260	11.94	1.84	-31.90	54.35	36.23	46.00	9.77	Pass	Vertical
3	396.0176	15.31	2.37	-31.78	52.49	38.39	46.00	7.61	Pass	Vertical
4	480.0280	16.68	2.61	-31.90	54.64	42.03	46.00	3.97	Pass	Vertical
5	879.9990	21.86	3.55	-31.65	41.56	35.32	46.00	10.68	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.07	37.15	54.00	16.85	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	QP		

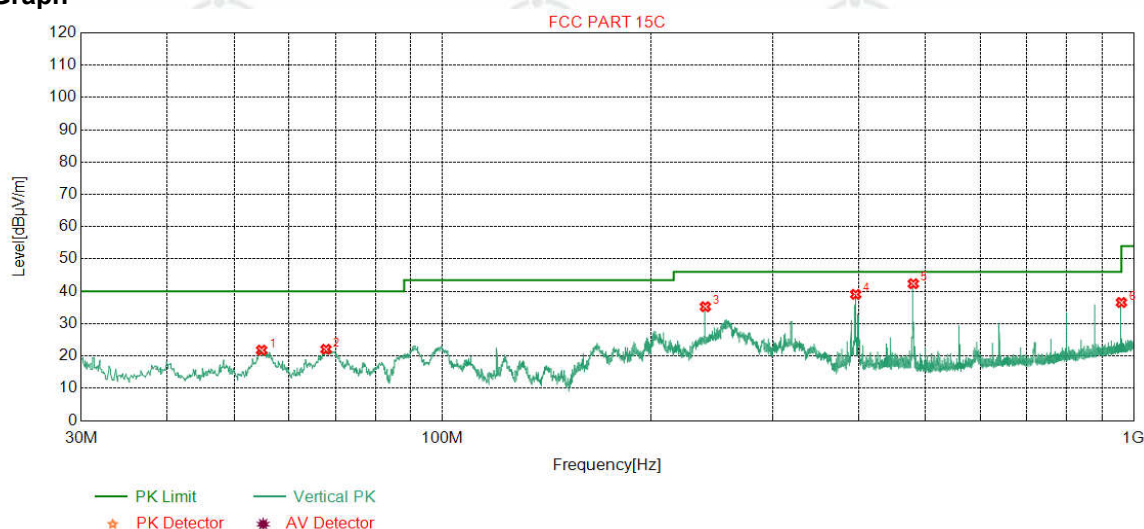
Test Graph



Suspected List										
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	120.0250	9.20	1.30	-32.07	51.80	30.23	43.50	13.27	Pass	Horizontal
2	146.4116	7.42	1.43	-32.00	51.84	28.69	43.50	14.81	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	54.73	36.61	46.00	9.39	Pass	Horizontal
4	396.0176	15.31	2.37	-31.78	53.15	39.05	46.00	6.95	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	48.86	40.03	46.00	5.97	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	40.03	35.11	54.00	18.89	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	QP		

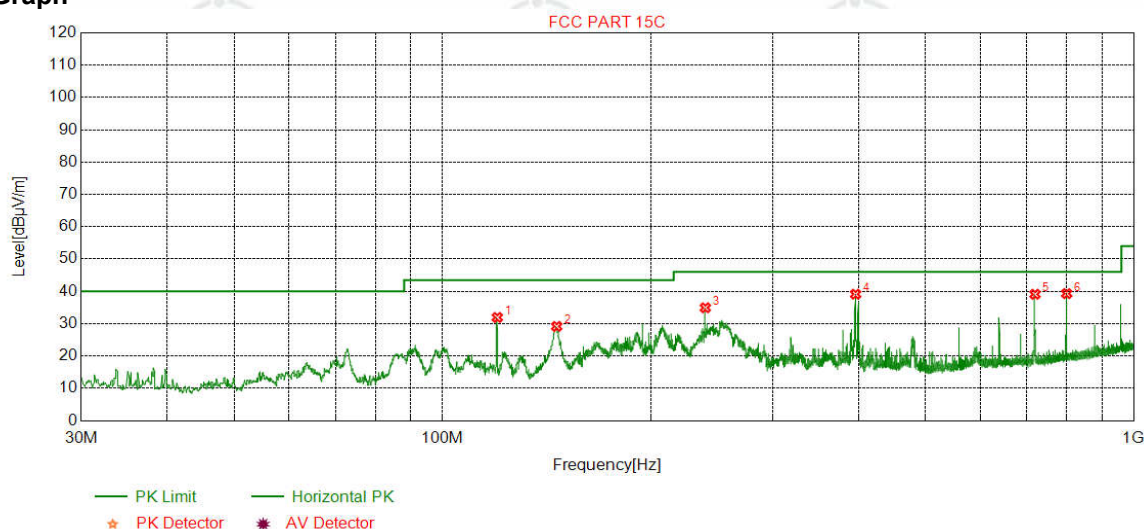
Test Graph



Suspected List										
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	54.7375	12.44	0.84	-32.08	40.60	21.80	40.00	18.20	Pass	Vertical
2	67.8338	9.56	0.94	-32.05	43.63	22.08	40.00	17.92	Pass	Vertical
3	240.0260	11.94	1.84	-31.90	53.37	35.25	46.00	10.75	Pass	Vertical
4	396.1146	15.31	2.37	-31.78	53.17	39.07	46.00	6.93	Pass	Vertical
5	480.0280	16.68	2.61	-31.90	54.98	42.37	46.00	3.63	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	41.49	36.57	54.00	17.43	Pass	Vertical

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

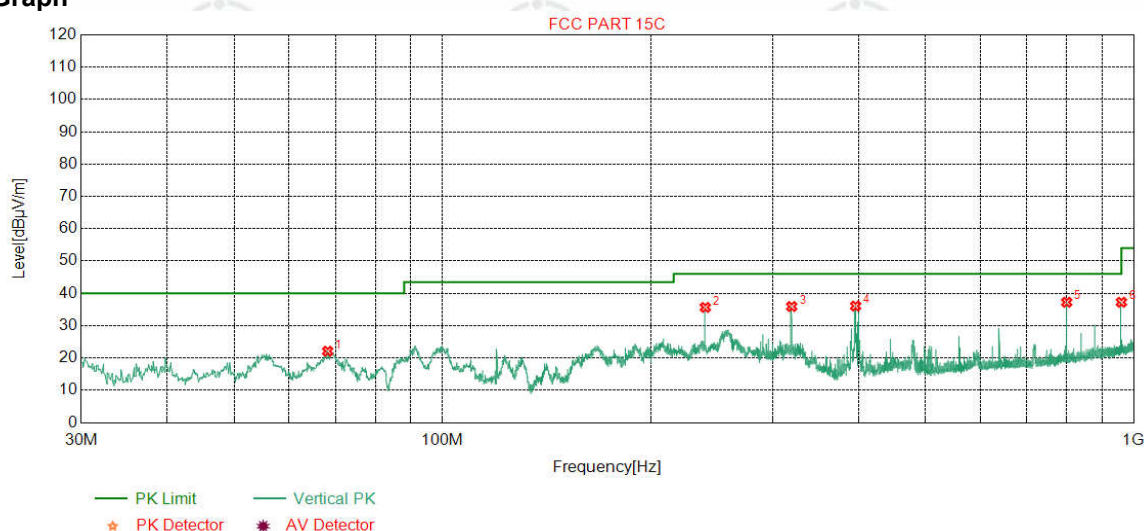
Test Graph



Suspected List										
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	120.0250	9.20	1.30	-32.07	53.51	31.94	43.50	11.56	Pass	Horizontal
2	146.3146	7.42	1.43	-32.00	52.31	29.16	43.50	14.34	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	53.05	34.93	46.00	11.07	Pass	Horizontal
4	396.0176	15.31	2.37	-31.78	53.23	39.13	46.00	6.87	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	47.93	39.10	46.00	6.90	Pass	Horizontal
6	800.0630	20.90	3.39	-32.03	47.05	39.31	46.00	6.69	Pass	Horizontal

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

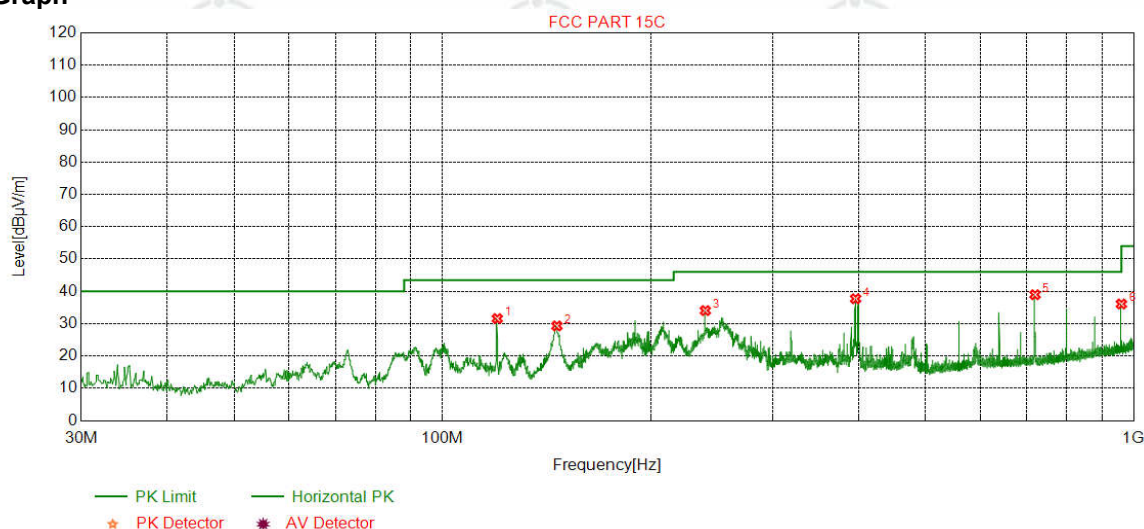
Test Graph



Suspected List										
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	68.2218	9.46	0.94	-32.05	43.76	22.11	40.00	17.89	Pass	Vertical
2	240.0260	11.94	1.84	-31.90	53.78	35.66	46.00	10.34	Pass	Vertical
3	320.0590	13.64	2.12	-31.83	52.01	35.94	46.00	10.06	Pass	Vertical
4	396.0176	15.31	2.37	-31.78	50.20	36.10	46.00	9.90	Pass	Vertical
5	800.0630	20.90	3.39	-32.03	44.99	37.25	46.00	8.75	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.18	37.26	54.00	16.74	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	QP		

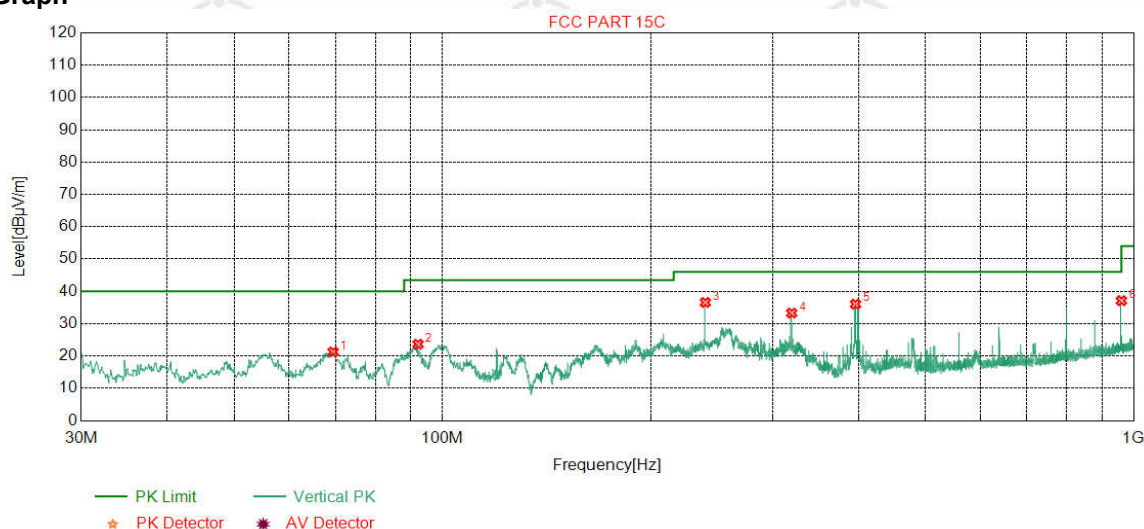
Test Graph



Suspected List										
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	120.0250	9.20	1.30	-32.07	53.14	31.57	43.50	11.93	Pass	Horizontal
2	146.4116	7.42	1.43	-32.00	52.46	29.31	43.50	14.19	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	52.17	34.05	46.00	11.95	Pass	Horizontal
4	396.0176	15.31	2.37	-31.78	51.81	37.71	46.00	8.29	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	47.80	38.97	46.00	7.03	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	41.02	36.10	54.00	17.90	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	QP		

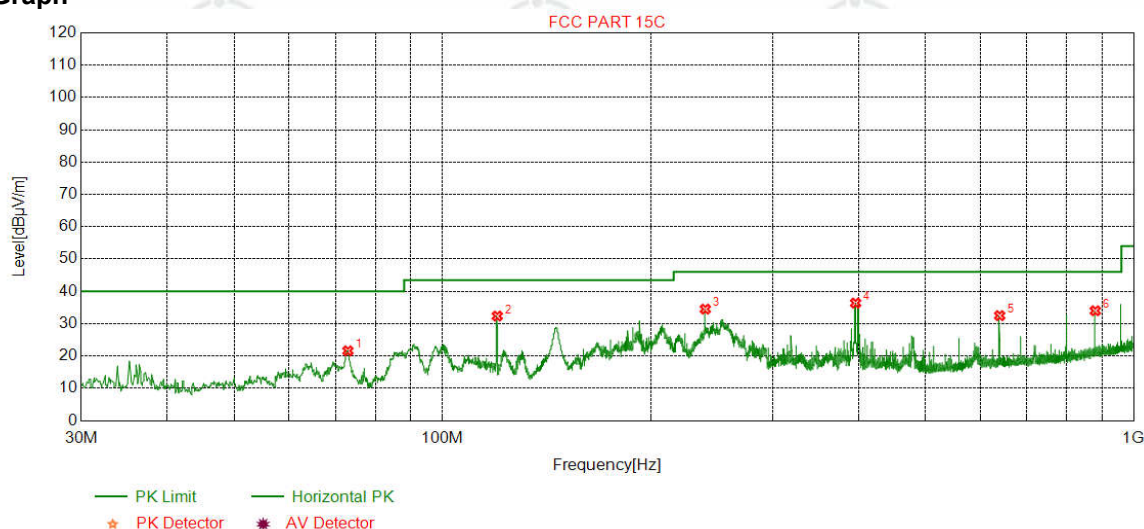
Test Graph



Suspected List										
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	69.4829	9.13	0.95	-32.05	43.22	21.25	40.00	18.75	Pass	Vertical
2	92.1832	9.75	1.11	-32.09	44.89	23.66	43.50	19.84	Pass	Vertical
3	240.0260	11.94	1.84	-31.90	54.70	36.58	46.00	9.42	Pass	Vertical
4	320.0590	13.64	2.12	-31.83	49.36	33.29	46.00	12.71	Pass	Vertical
5	395.9206	15.31	2.37	-31.78	50.16	36.06	46.00	9.94	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.05	37.13	54.00	16.87	Pass	Vertical

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

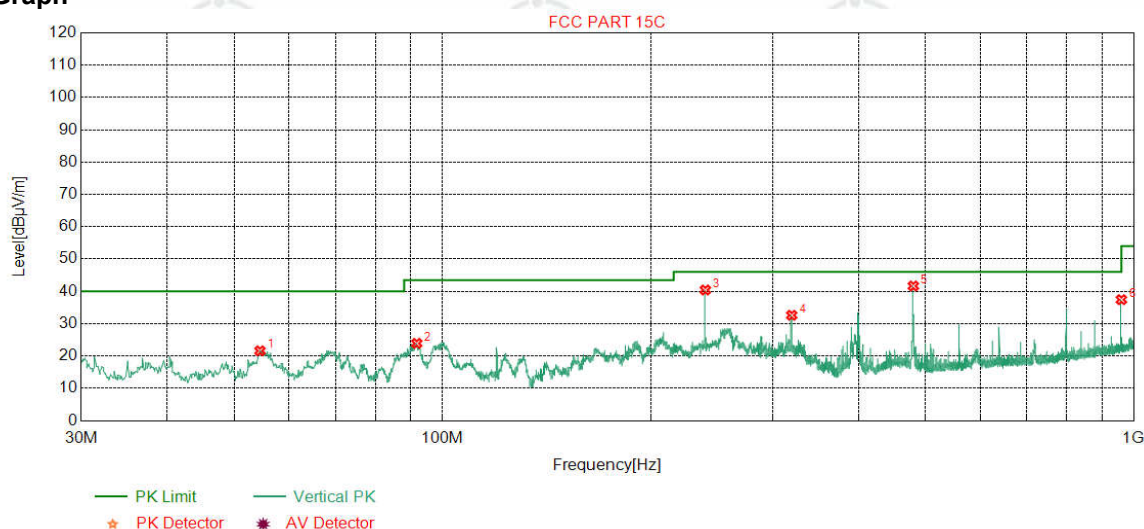
Test Graph



Suspected List										
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	72.9753	8.43	0.99	-32.06	44.23	21.59	40.00	18.41	Pass	Horizontal
2	120.0250	9.20	1.30	-32.07	53.93	32.36	43.50	11.14	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	52.64	34.52	46.00	11.48	Pass	Horizontal
4	396.0176	15.31	2.37	-31.78	50.49	36.39	46.00	9.61	Pass	Horizontal
5	639.9970	19.32	3.07	-32.11	42.21	32.49	46.00	13.51	Pass	Horizontal
6	879.9990	21.86	3.55	-31.65	40.23	33.99	46.00	12.01	Pass	Horizontal

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

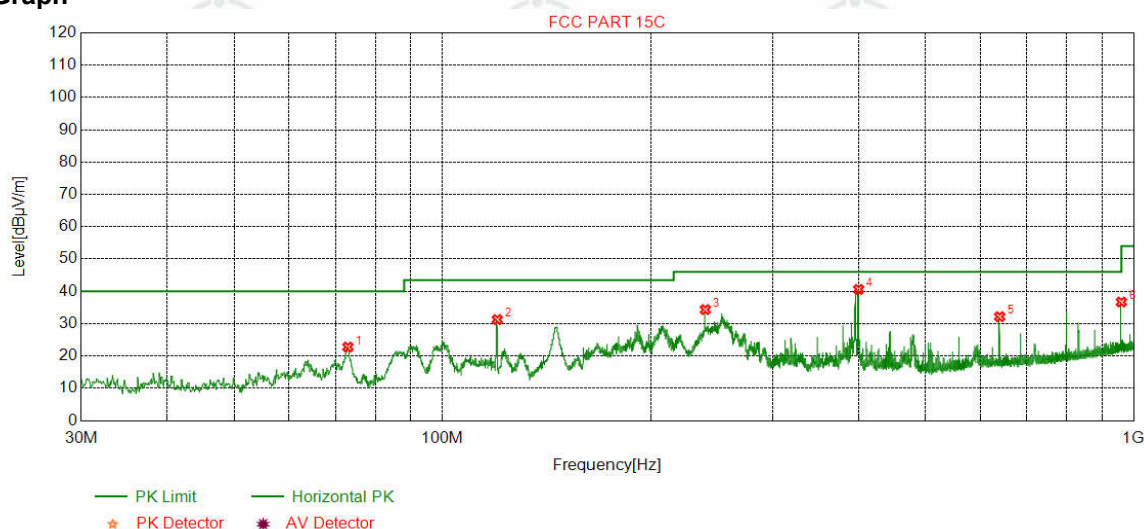
Test Graph



Suspected List										
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	54.4464	12.49	0.84	-32.09	40.36	21.60	40.00	18.40	Pass	Vertical
2	91.7952	9.69	1.11	-32.09	45.21	23.92	43.50	19.58	Pass	Vertical
3	240.0260	11.94	1.84	-31.90	58.54	40.42	46.00	5.58	Pass	Vertical
4	320.0590	13.64	2.12	-31.83	48.68	32.61	46.00	13.39	Pass	Vertical
5	480.0280	16.68	2.61	-31.90	54.28	41.67	46.00	4.33	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.35	37.43	54.00	16.57	Pass	Vertical

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

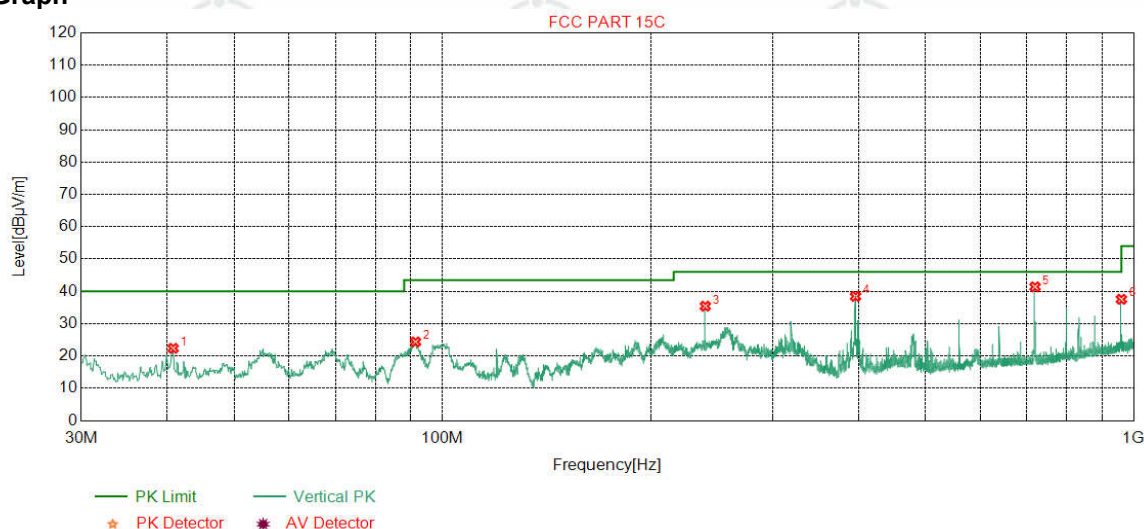
Test Graph



Suspected List										
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	72.9753	8.43	0.99	-32.06	45.42	22.78	40.00	17.22	Pass	Horizontal
2	120.0250	9.20	1.30	-32.07	52.84	31.27	43.50	12.23	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	52.48	34.36	46.00	11.64	Pass	Horizontal
4	400.0920	15.40	2.38	-31.76	54.59	40.61	46.00	5.39	Pass	Horizontal
5	639.9970	19.32	3.07	-32.11	41.88	32.16	46.00	13.84	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	41.63	36.71	54.00	17.29	Pass	Horizontal

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

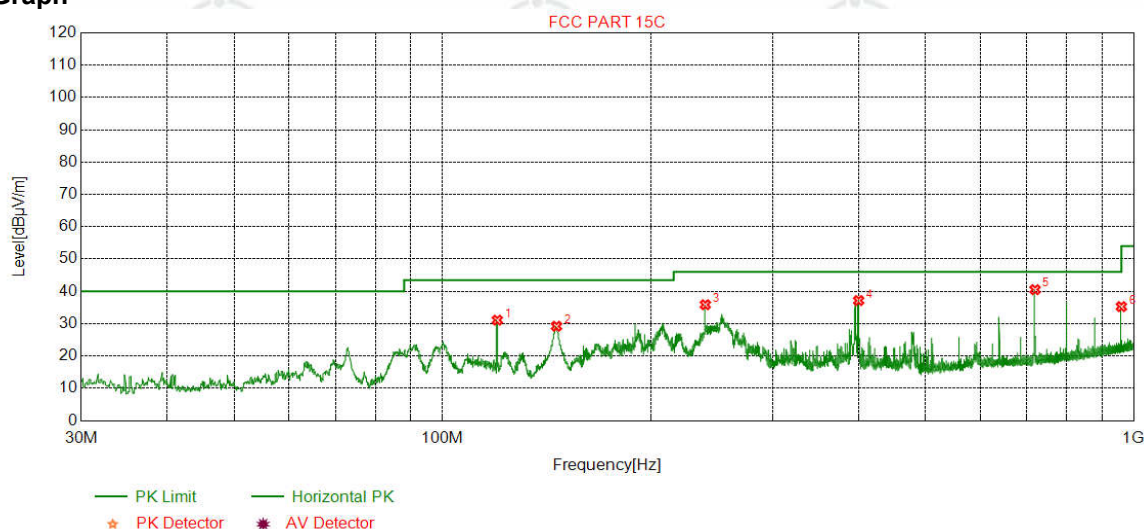
Test Graph



Suspected List										
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	40.7681	12.44	0.72	-32.11	41.33	22.38	40.00	17.62	Pass	Vertical
2	91.4071	9.63	1.11	-32.10	45.73	24.37	43.50	19.13	Pass	Vertical
3	240.0260	11.94	1.84	-31.90	53.54	35.42	46.00	10.58	Pass	Vertical
4	395.9206	15.31	2.37	-31.78	52.55	38.45	46.00	7.55	Pass	Vertical
5	720.0300	20.02	3.22	-32.07	50.24	41.41	46.00	4.59	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.47	37.55	54.00	16.45	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2437
Remark:	QP		

Test Graph

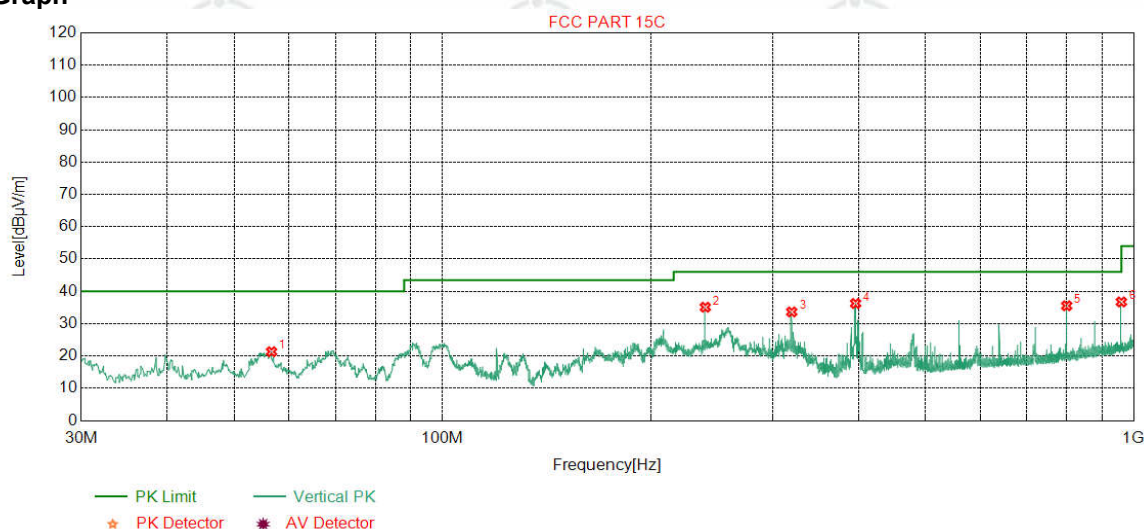


Suspected List

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	120.0250	9.20	1.30	-32.07	52.67	31.10	43.50	12.40	Pass	Horizontal
2	146.2176	7.42	1.43	-32.01	52.37	29.21	43.50	14.29	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	53.99	35.87	46.00	10.13	Pass	Horizontal
4	400.0920	15.40	2.38	-31.76	51.14	37.16	46.00	8.84	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	49.37	40.54	46.00	5.46	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	40.21	35.29	54.00	18.71	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2437
Remark:	QP		

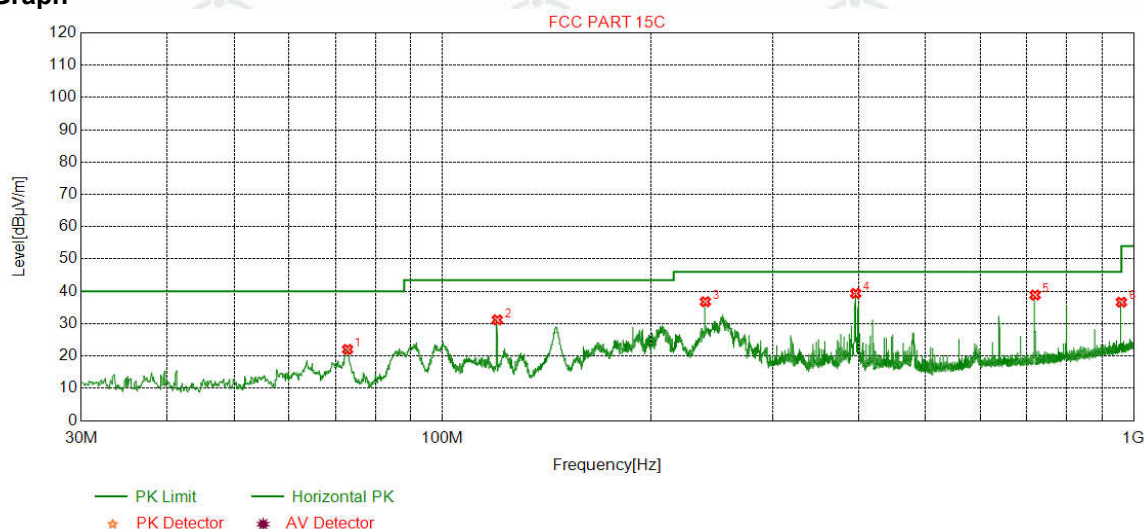
Test Graph



Suspected List										
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	56.5807	12.15	0.86	-32.07	40.39	21.33	40.00	18.67	Pass	Vertical
2	240.0260	11.94	1.84	-31.90	53.22	35.10	46.00	10.90	Pass	Vertical
3	320.0590	13.64	2.12	-31.83	49.71	33.64	46.00	12.36	Pass	Vertical
4	396.0176	15.31	2.37	-31.78	50.36	36.26	46.00	9.74	Pass	Vertical
5	800.0630	20.90	3.39	-32.03	43.28	35.54	46.00	10.46	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	41.66	36.74	54.00	17.26	Pass	Vertical

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

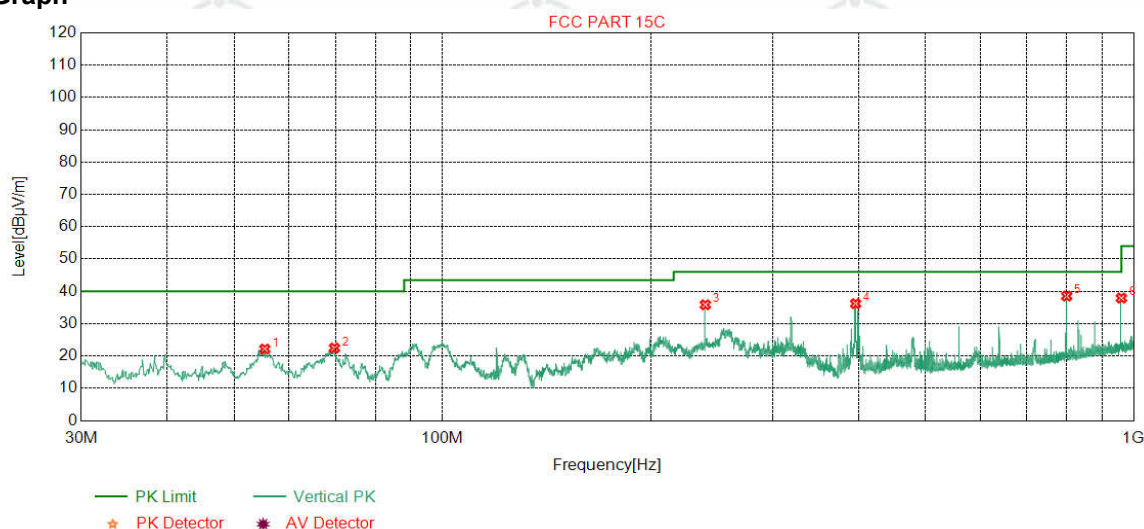
Test Graph



Suspected List										
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	72.8783	8.45	0.98	-32.05	44.67	22.05	40.00	17.95	Pass	Horizontal
2	120.0250	9.20	1.30	-32.07	52.76	31.19	43.50	12.31	Pass	Horizontal
3	240.0260	11.94	1.84	-31.90	54.92	36.80	46.00	9.20	Pass	Horizontal
4	396.0176	15.31	2.37	-31.78	53.46	39.36	46.00	6.64	Pass	Horizontal
5	720.0300	20.02	3.22	-32.07	47.69	38.86	46.00	7.14	Pass	Horizontal
6	960.0320	22.46	3.71	-31.09	41.59	36.67	54.00	17.33	Pass	Horizontal

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

Test Graph

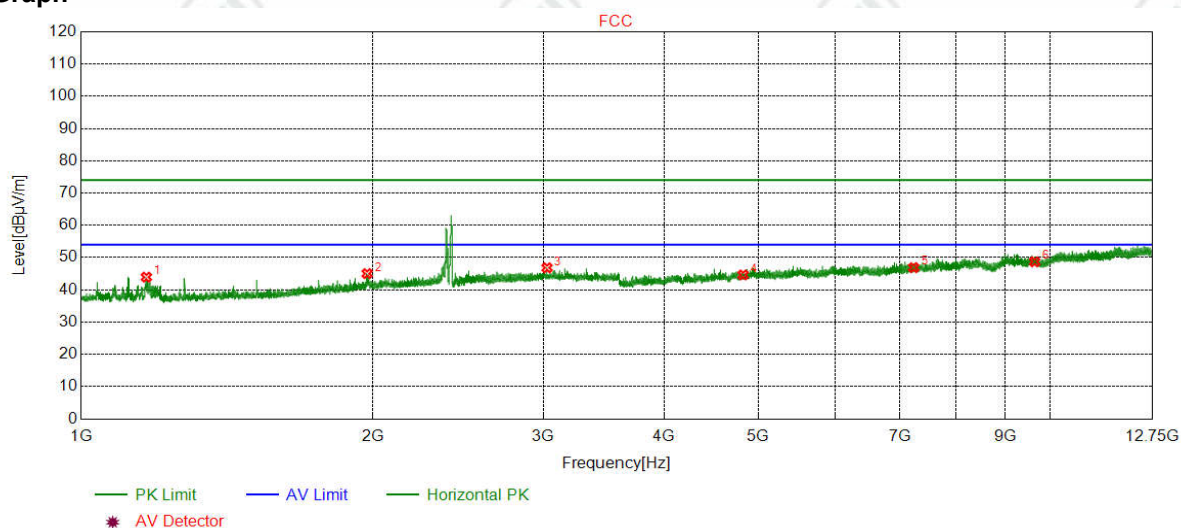


Suspected List										
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	55.3195	12.35	0.84	-32.07	41.05	22.17	40.00	17.83	Pass	Vertical
2	69.7740	9.06	0.95	-32.05	44.51	22.47	40.00	17.53	Pass	Vertical
3	240.0260	11.94	1.84	-31.90	53.97	35.85	46.00	10.15	Pass	Vertical
4	396.0176	15.31	2.37	-31.78	50.30	36.20	46.00	9.80	Pass	Vertical
5	800.0630	20.90	3.39	-32.03	46.28	38.54	46.00	7.46	Pass	Vertical
6	960.0320	22.46	3.71	-31.09	42.84	37.92	54.00	16.08	Pass	Vertical

Transmitter Emission above 1GHz

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	PK		

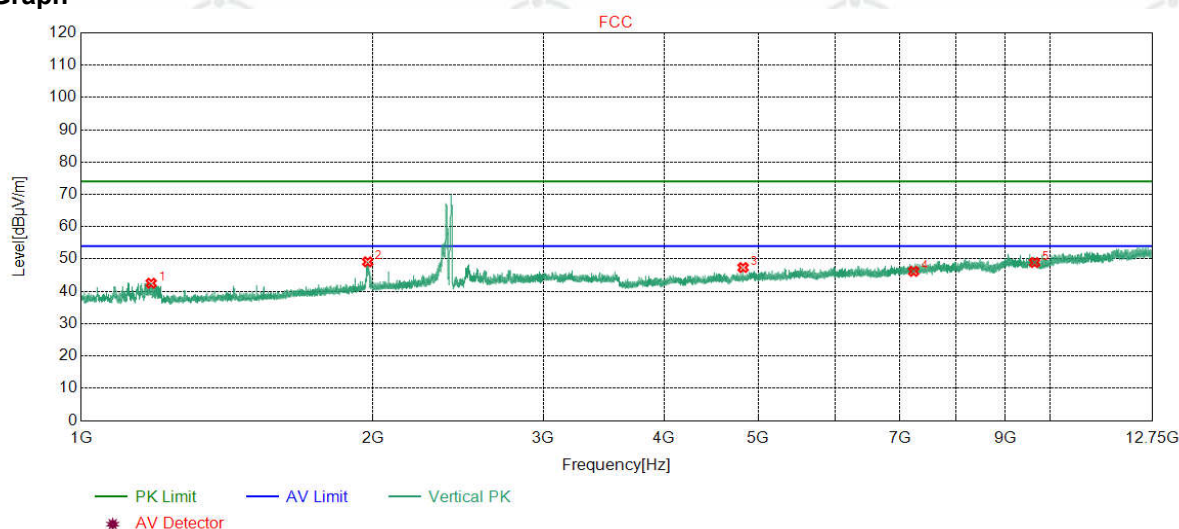
Test Graph



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	1167.8168	28.07	2.68	-42.84	56.03	43.94	74.00	30.06	Pass	Horizontal
2	1973.6974	31.53	3.44	-42.62	52.69	45.04	74.00	28.96	Pass	Horizontal
3	3027.3018	33.21	4.88	-42.11	50.86	46.84	74.00	27.16	Pass	Horizontal
4	4824.0000	34.50	4.61	-40.65	46.17	44.63	74.00	29.37	Pass	Horizontal
5	7236.0000	36.34	5.79	-40.99	45.75	46.89	74.00	27.11	Pass	Horizontal
6	9648.0000	37.66	6.72	-40.73	45.05	48.70	74.00	25.30	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	PK		

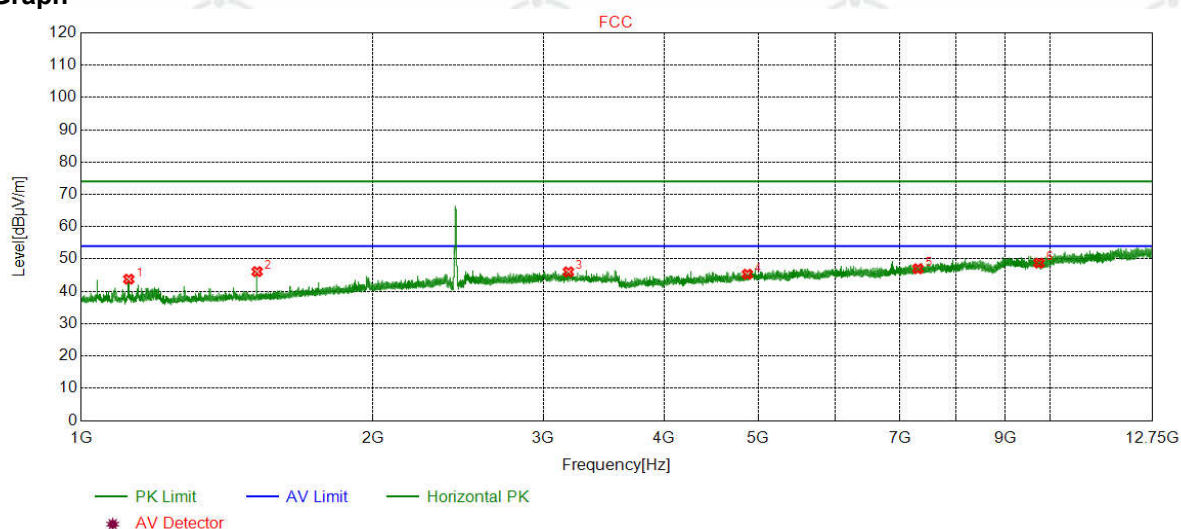
Test Graph



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	1181.2181	28.08	2.67	-42.86	54.63	42.52	74.00	31.48	Pass	Vertical
2	1976.2976	31.54	3.45	-42.62	56.78	49.15	74.00	24.85	Pass	Vertical
3	4824.0000	34.50	4.61	-40.65	48.91	47.37	74.00	26.63	Pass	Vertical
4	7236.0000	36.34	5.79	-40.99	45.04	46.18	74.00	27.82	Pass	Vertical
5	9648.0000	37.66	6.72	-40.73	45.28	48.93	74.00	25.07	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	PK		

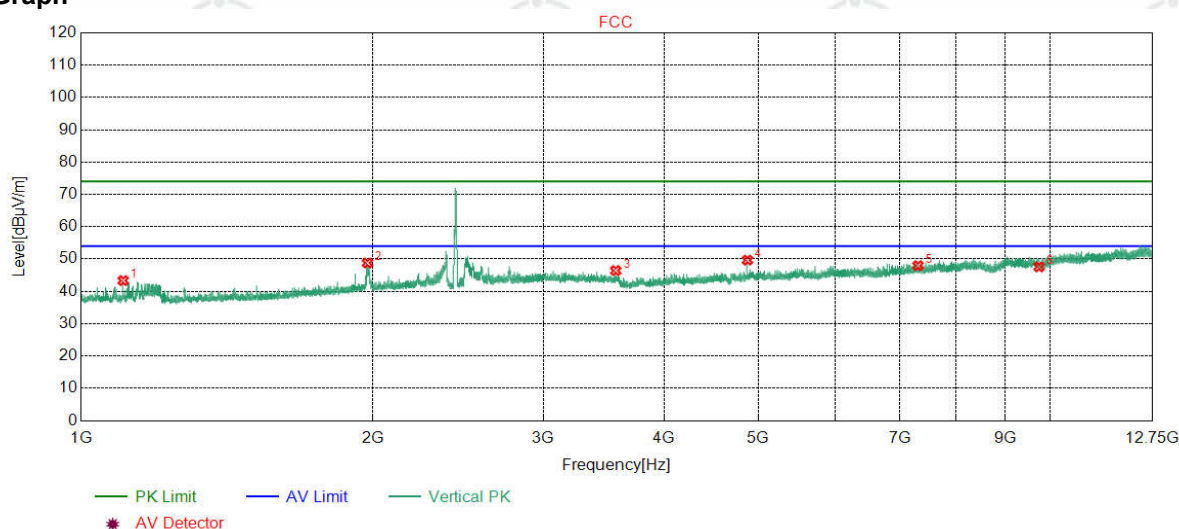
Test Graph



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	1120.0120	28.02	2.61	-42.76	55.91	43.78	74.00	30.22	Pass	Horizontal
2	1519.6520	28.53	3.01	-42.72	57.30	46.12	74.00	27.88	Pass	Horizontal
3	3184.6123	33.27	4.63	-42.01	50.15	46.04	74.00	27.96	Pass	Horizontal
4	4874.0000	34.50	4.78	-40.61	46.66	45.33	74.00	28.67	Pass	Horizontal
5	7311.0000	36.41	5.85	-40.93	45.67	47.00	74.00	27.00	Pass	Horizontal
6	9748.0000	37.70	6.77	-40.63	44.93	48.77	74.00	25.23	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	PK		

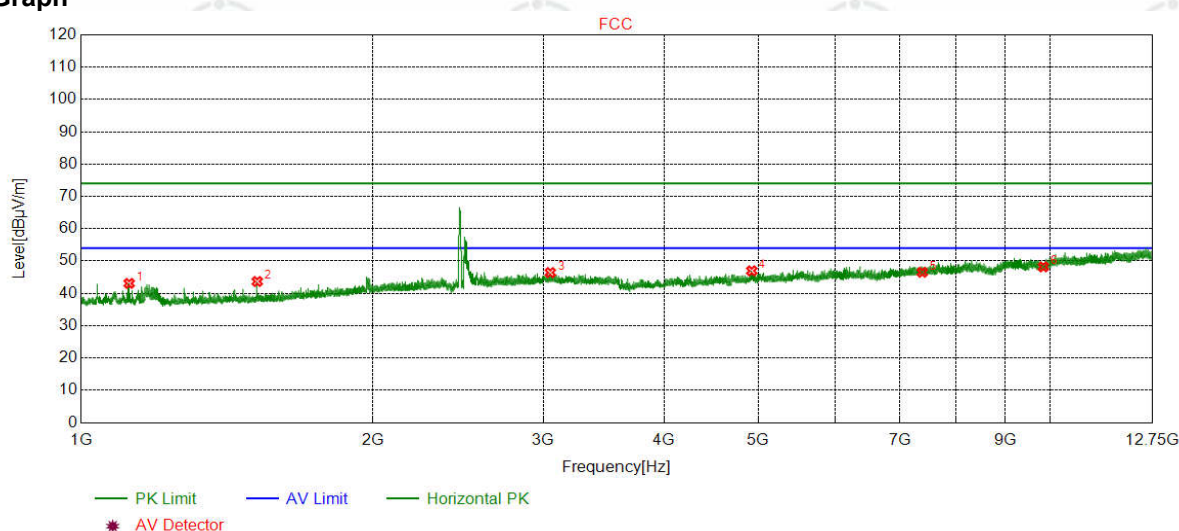
Test Graph



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	1105.2105	28.01	2.57	-42.74	55.50	43.34	74.00	30.66	Pass	Vertical
2	1975.0975	31.54	3.45	-42.63	56.42	48.78	74.00	25.22	Pass	Vertical
3	3563.5876	33.45	4.41	-41.68	50.25	46.43	74.00	27.57	Pass	Vertical
4	4874.0000	34.50	4.78	-40.61	51.00	49.67	74.00	24.33	Pass	Vertical
5	7311.0000	36.41	5.85	-40.93	46.62	47.95	74.00	26.05	Pass	Vertical
6	9748.0000	37.70	6.77	-40.63	43.74	47.58	74.00	26.42	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	PK		

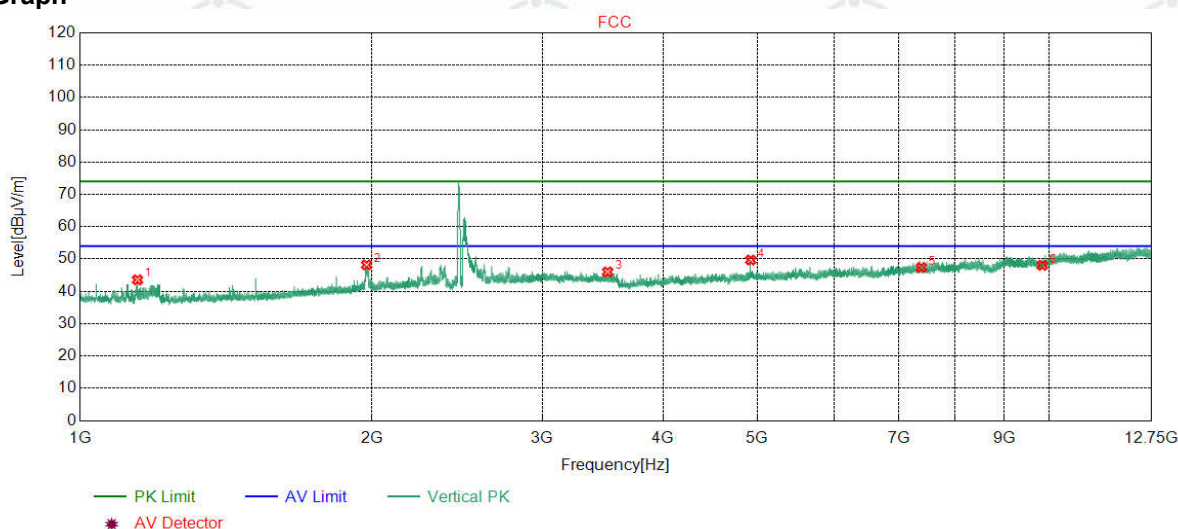
Test Graph



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	1121.0121	28.02	2.61	-42.76	55.22	43.09	74.00	30.91	Pass	Horizontal
2	1520.0520	28.53	3.01	-42.72	54.86	43.68	74.00	30.32	Pass	Horizontal
3	3050.7034	33.22	4.83	-42.09	50.48	46.44	74.00	27.56	Pass	Horizontal
4	4924.0000	34.50	4.85	-40.56	48.18	46.97	74.00	27.03	Pass	Horizontal
5	7386.0000	36.49	5.85	-40.87	45.06	46.53	74.00	27.47	Pass	Horizontal
6	9848.0000	37.74	6.83	-40.54	44.18	48.21	74.00	25.79	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	PK		

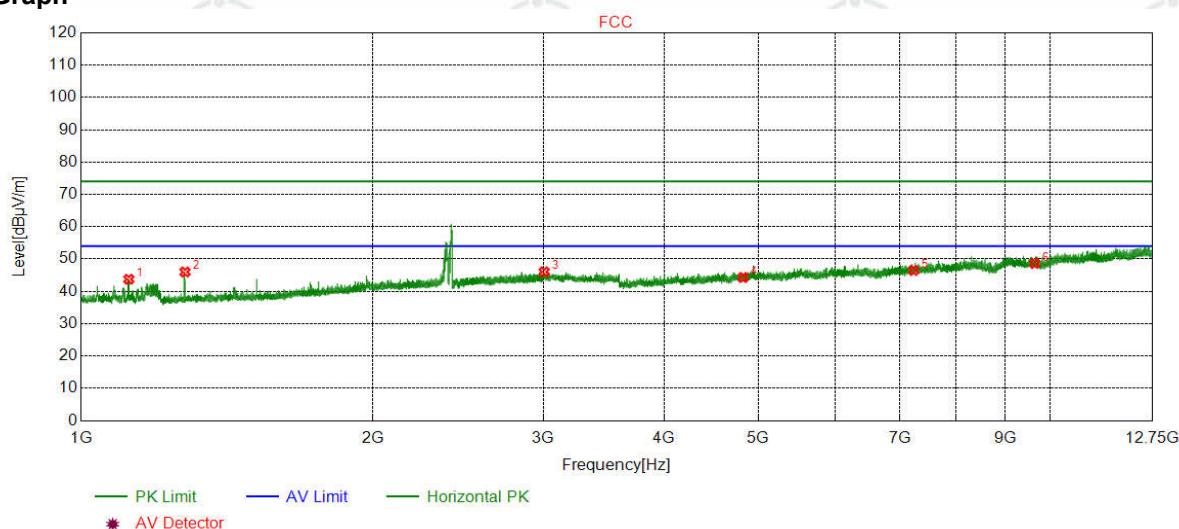
Test Graph



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	1146.2146	28.05	2.68	-42.81	55.65	43.57	74.00	30.43	Pass	Vertical
2	1975.8976	31.54	3.45	-42.63	55.86	48.22	74.00	25.78	Pass	Vertical
3	3504.4336	33.40	4.49	-41.81	49.95	46.03	74.00	27.97	Pass	Vertical
4	4924.0000	34.50	4.85	-40.56	50.92	49.71	74.00	24.29	Pass	Vertical
5	7386.0000	36.49	5.85	-40.87	45.93	47.40	74.00	26.60	Pass	Vertical
6	9848.0000	37.74	6.83	-40.54	44.03	48.06	74.00	25.94	Pass	Vertical

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

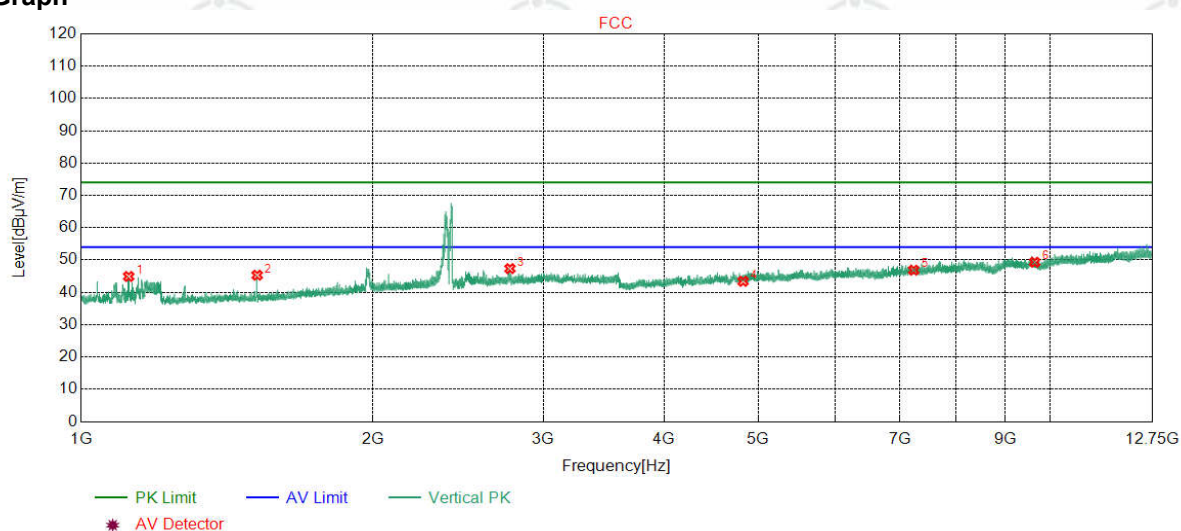
Test Graph



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	1120.2120	28.02	2.61	-42.76	55.88	43.75	74.00	30.25	Pass	Horizontal
2	1280.2280	28.18	2.72	-42.80	57.90	46.00	74.00	28.00	Pass	Horizontal
3	3006.5004	33.20	4.92	-42.12	50.03	46.03	74.00	27.97	Pass	Horizontal
4	4824.0000	34.50	4.61	-40.65	45.85	44.31	74.00	29.69	Pass	Horizontal
5	7236.0000	36.34	5.79	-40.99	45.33	46.47	74.00	27.53	Pass	Horizontal
6	9648.0000	37.66	6.72	-40.73	44.98	48.63	74.00	25.37	Pass	Horizontal

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

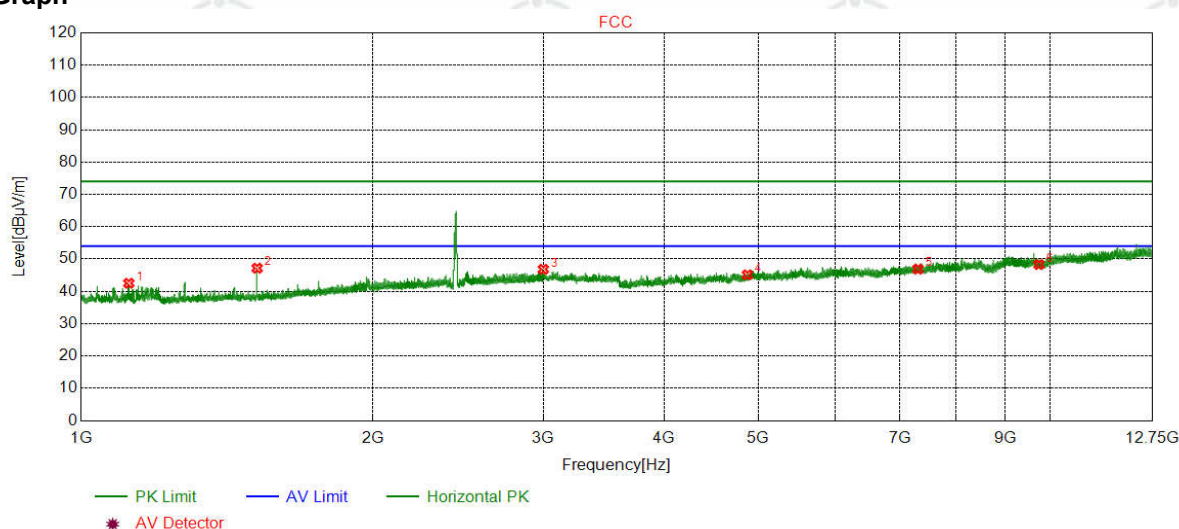
Test Graph



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	1119.8120	28.02	2.61	-42.76	57.05	44.92	74.00	29.08	Pass	Vertical
2	1519.8520	28.53	3.01	-42.72	56.50	45.32	74.00	28.68	Pass	Vertical
3	2771.7772	32.83	4.19	-42.24	52.56	47.34	74.00	26.66	Pass	Vertical
4	4824.0000	34.50	4.61	-40.65	44.95	43.41	74.00	30.59	Pass	Vertical
5	7236.0000	36.34	5.79	-40.99	45.73	46.87	74.00	27.13	Pass	Vertical
6	9648.0000	37.66	6.72	-40.73	45.68	49.33	74.00	24.67	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	PK		

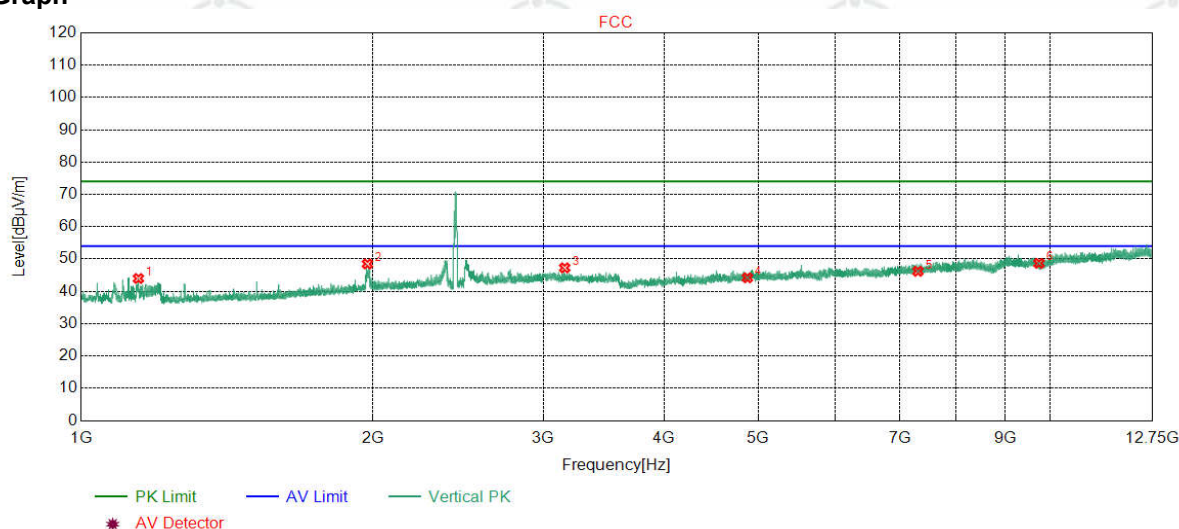
Test Graph



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	1120.2120	28.02	2.61	-42.76	54.65	42.52	74.00	31.48	Pass	Horizontal
2	1519.6520	28.53	3.01	-42.72	58.35	47.17	74.00	26.83	Pass	Horizontal
3	3000.6500	33.20	4.93	-42.12	50.82	46.83	74.00	27.17	Pass	Horizontal
4	4874.0000	34.50	4.78	-40.61	46.45	45.12	74.00	28.88	Pass	Horizontal
5	7311.0000	36.41	5.85	-40.93	45.56	46.89	74.00	27.11	Pass	Horizontal
6	9748.0000	37.70	6.77	-40.63	44.46	48.30	74.00	25.70	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	PK		

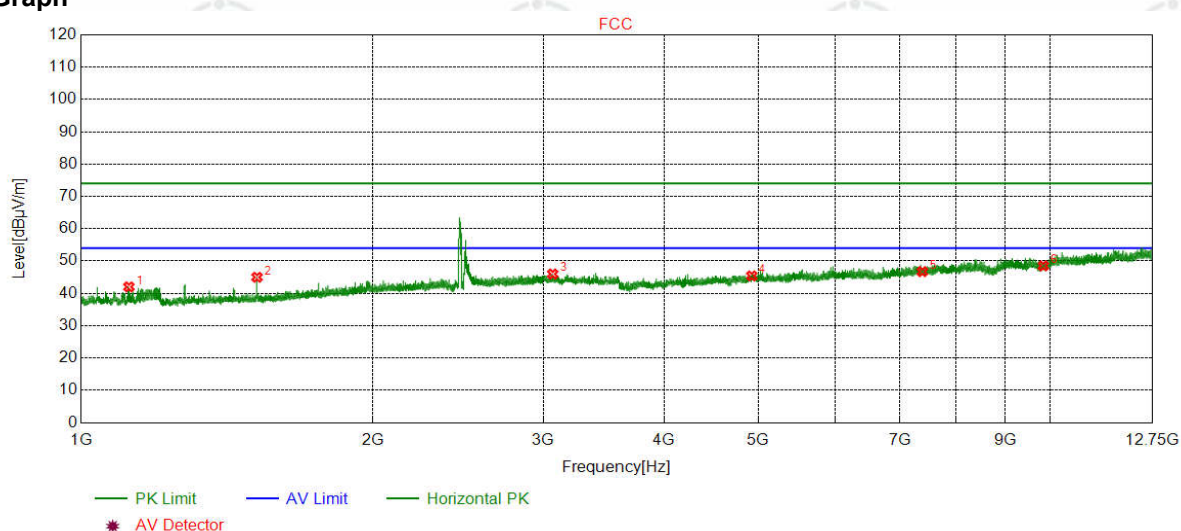
Test Graph



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	1146.0146	28.05	2.68	-42.81	56.07	43.99	74.00	30.01	Pass	Vertical
2	1975.0975	31.54	3.45	-42.63	56.14	48.50	74.00	25.50	Pass	Vertical
3	3156.6604	33.26	4.58	-42.02	51.45	47.27	74.00	26.73	Pass	Vertical
4	4874.0000	34.50	4.78	-40.61	45.52	44.19	74.00	29.81	Pass	Vertical
5	7311.0000	36.41	5.85	-40.93	44.88	46.21	74.00	27.79	Pass	Vertical
6	9748.0000	37.70	6.77	-40.63	44.83	48.67	74.00	25.33	Pass	Vertical

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

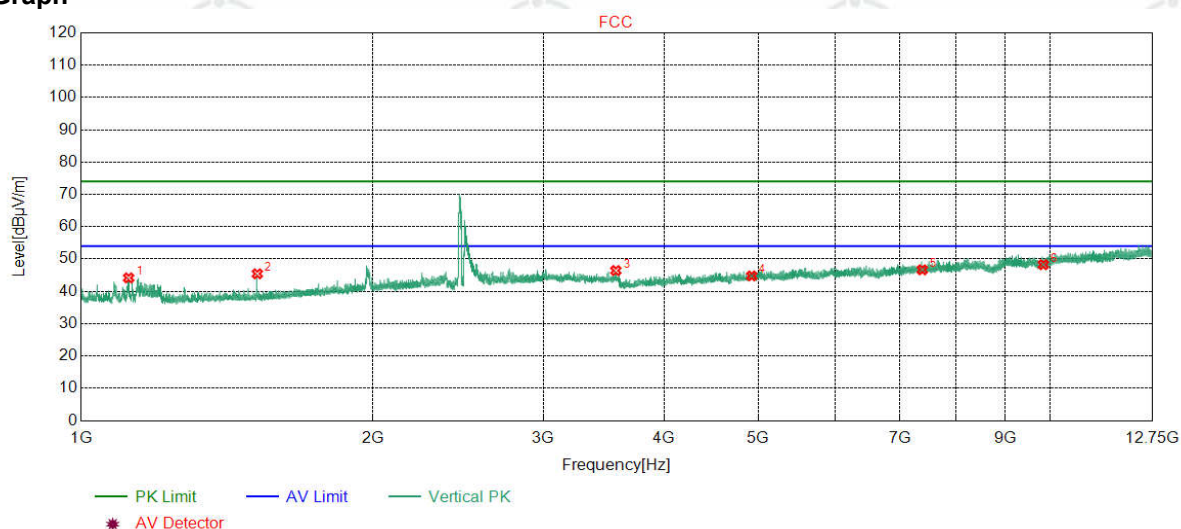
Test Graph



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	1120.4120	28.02	2.61	-42.76	54.15	42.02	74.00	31.98	Pass	Horizontal
2	1519.2519	28.53	3.01	-42.72	56.17	44.99	74.00	29.01	Pass	Horizontal
3	3068.2546	33.23	4.79	-42.08	50.05	45.99	74.00	28.01	Pass	Horizontal
4	4924.0000	34.50	4.85	-40.56	46.61	45.40	74.00	28.60	Pass	Horizontal
5	7386.0000	36.49	5.85	-40.87	45.26	46.73	74.00	27.27	Pass	Horizontal
6	9848.0000	37.74	6.83	-40.54	44.48	48.51	74.00	25.49	Pass	Horizontal

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

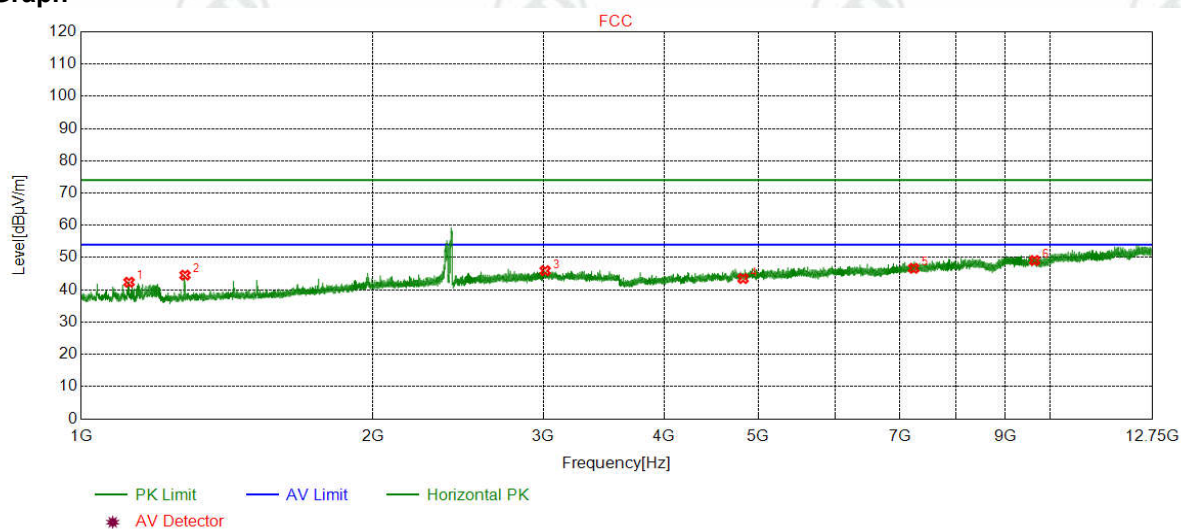
Test Graph



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	1119.6120	28.02	2.61	-42.76	56.30	44.17	74.00	29.83	Pass	Vertical
2	1520.2520	28.53	3.01	-42.72	56.62	45.44	74.00	28.56	Pass	Vertical
3	3564.8877	33.45	4.41	-41.68	50.26	46.44	74.00	27.56	Pass	Vertical
4	4924.0000	34.50	4.85	-40.56	45.99	44.78	74.00	29.22	Pass	Vertical
5	7386.0000	36.49	5.85	-40.87	45.20	46.67	74.00	27.33	Pass	Vertical
6	9848.0000	37.74	6.83	-40.54	44.23	48.26	74.00	25.74	Pass	Vertical

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

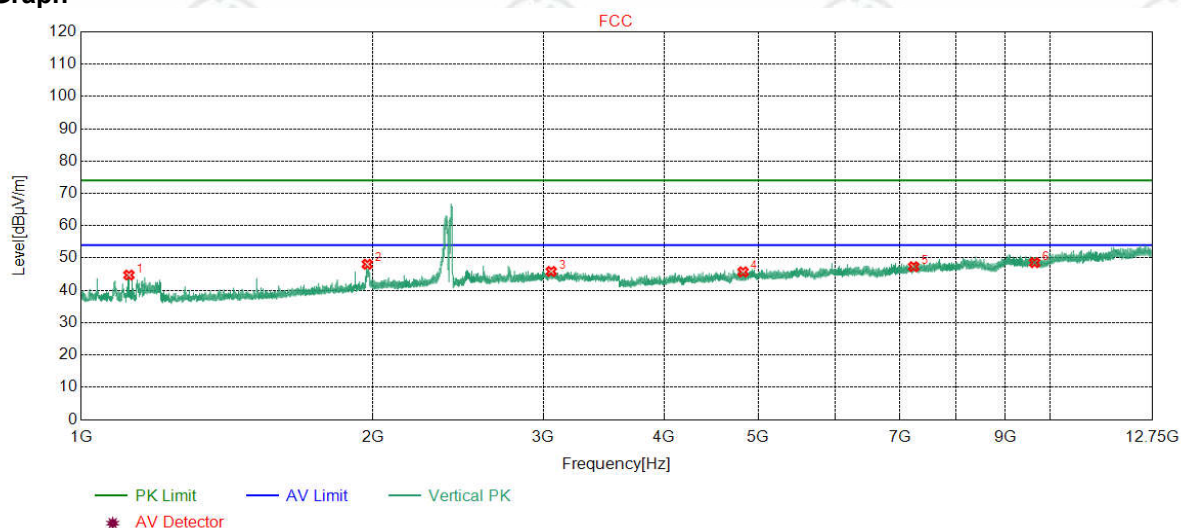
Test Graph



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	1120.8121	28.02	2.61	-42.76	54.49	42.36	74.00	31.64	Pass	Horizontal
2	1280.2280	28.18	2.72	-42.80	56.45	44.55	74.00	29.45	Pass	Horizontal
3	3013.6509	33.21	4.90	-42.11	49.94	45.94	74.00	28.06	Pass	Horizontal
4	4824.0000	34.50	4.61	-40.65	45.04	43.50	74.00	30.50	Pass	Horizontal
5	7236.0000	36.34	5.79	-40.99	45.54	46.68	74.00	27.32	Pass	Horizontal
6	9648.0000	37.66	6.72	-40.73	45.46	49.11	74.00	24.89	Pass	Horizontal

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

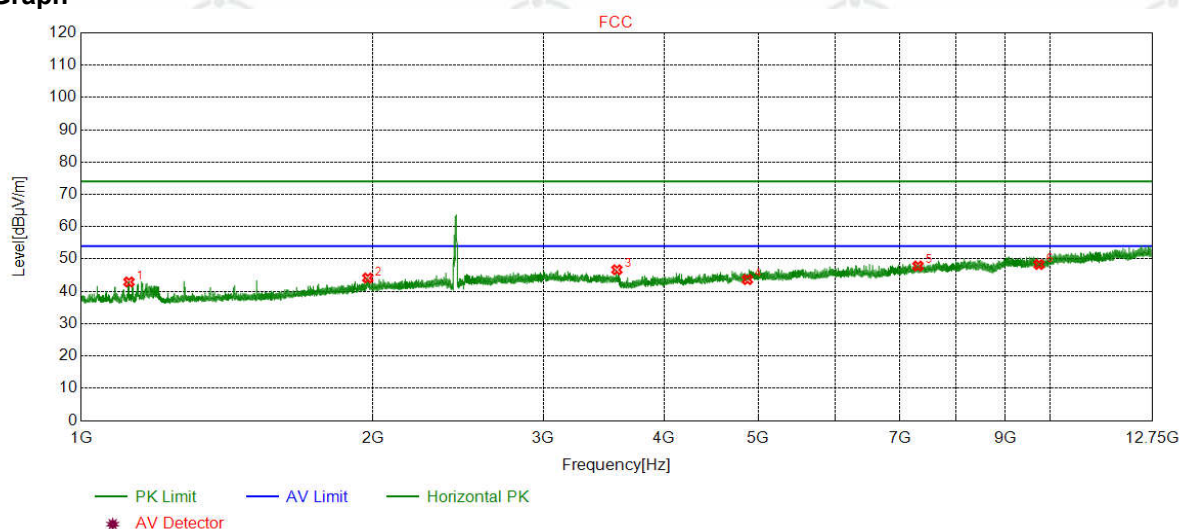
Test Graph



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	1120.4120	28.02	2.61	-42.76	56.86	44.73	74.00	29.27	Pass	Vertical
2	1974.2974	31.53	3.44	-42.62	55.75	48.10	74.00	25.90	Pass	Vertical
3	3057.8539	33.22	4.81	-42.08	49.91	45.86	74.00	28.14	Pass	Vertical
4	4824.0000	34.50	4.61	-40.65	47.27	45.73	74.00	28.27	Pass	Vertical
5	7236.0000	36.34	5.79	-40.99	46.19	47.33	74.00	26.67	Pass	Vertical
6	9648.0000	37.66	6.72	-40.73	44.91	48.56	74.00	25.44	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2437
Remark:	PK		

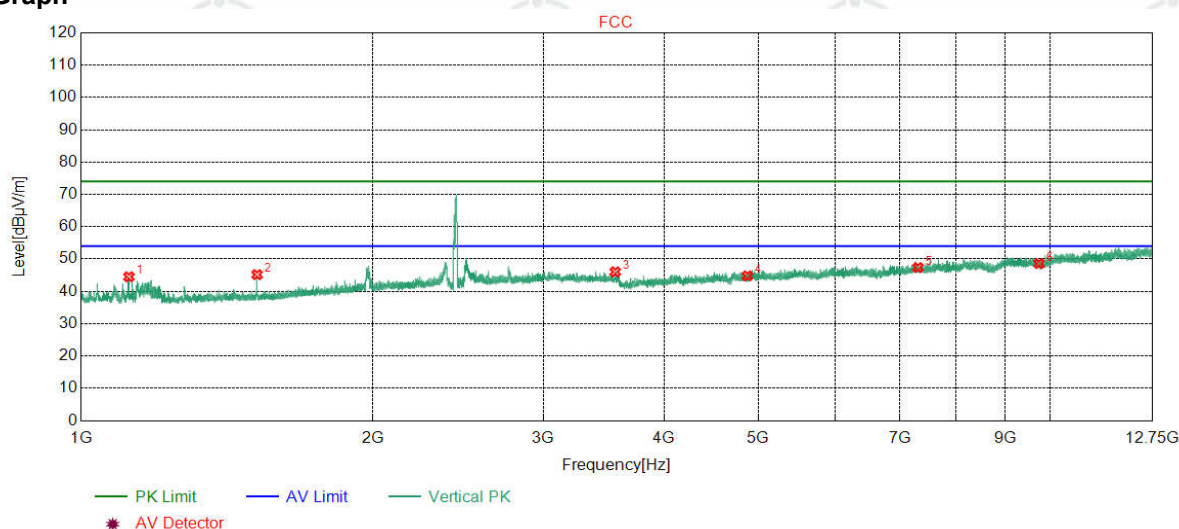
Test Graph



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	1120.6121	28.02	2.61	-42.76	55.04	42.91	74.00	31.09	Pass	Horizontal
2	1976.6977	31.55	3.45	-42.63	51.77	44.14	74.00	29.86	Pass	Horizontal
3	3573.9883	33.46	4.39	-41.66	50.49	46.68	74.00	27.32	Pass	Horizontal
4	4874.0000	34.50	4.78	-40.61	44.97	43.64	74.00	30.36	Pass	Horizontal
5	7311.0000	36.41	5.85	-40.93	46.51	47.84	74.00	26.16	Pass	Horizontal
6	9748.0000	37.70	6.77	-40.63	44.48	48.32	74.00	25.68	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps) Transmitting	Channel:	2437
Remark:	PK		

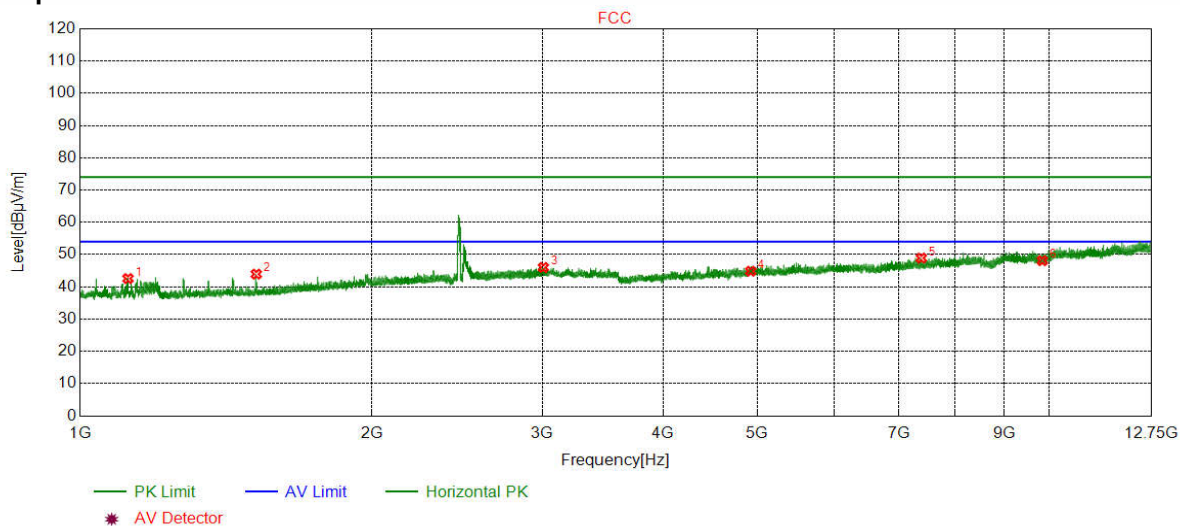
Test Graph



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	1120.4120	28.02	2.61	-42.76	56.65	44.52	74.00	29.48	Pass	Vertical
2	1519.4519	28.53	3.01	-42.72	56.36	45.18	74.00	28.82	Pass	Vertical
3	3559.6873	33.45	4.42	-41.70	49.88	46.05	74.00	27.95	Pass	Vertical
4	4874.0000	34.50	4.78	-40.61	46.12	44.79	74.00	29.21	Pass	Vertical
5	7311.0000	36.41	5.85	-40.93	46.04	47.37	74.00	26.63	Pass	Vertical
6	9748.0000	37.70	6.77	-40.63	44.76	48.60	74.00	25.40	Pass	Vertical

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

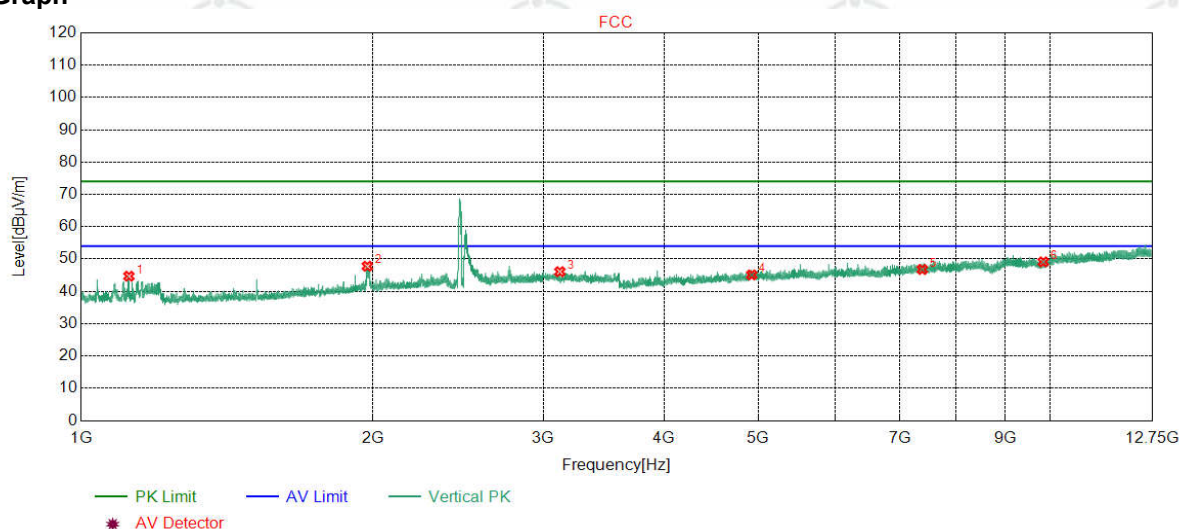
Test Graph



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	1120.6121	28.02	2.61	-42.76	54.70	42.57	74.00	31.43	Pass	Horizontal
2	1520.2520	28.53	3.01	-42.72	55.12	43.94	74.00	30.06	Pass	Horizontal
3	3007.8005	33.20	4.91	-42.11	50.02	46.02	74.00	27.98	Pass	Horizontal
4	4924.0000	34.50	4.85	-40.56	46.07	44.86	74.00	29.14	Pass	Horizontal
5	7386.0000	36.49	5.85	-40.87	47.46	48.93	74.00	25.07	Pass	Horizontal
6	9848.0000	37.74	6.83	-40.54	44.08	48.11	74.00	25.89	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	1120.4120	28.02	2.61	-42.76	56.82	44.69	74.00	29.31	Pass	Vertical
2	1974.4975	31.53	3.44	-42.62	55.43	47.78	74.00	26.22	Pass	Vertical
3	3120.9081	33.25	4.66	-42.05	50.23	46.09	74.00	27.91	Pass	Vertical
4	4924.0000	34.50	4.85	-40.56	46.30	45.09	74.00	28.91	Pass	Vertical
5	7386.0000	36.49	5.85	-40.87	45.33	46.80	74.00	27.20	Pass	Vertical
6	9848.0000	37.74	6.83	-40.54	45.10	49.13	74.00	24.87	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:

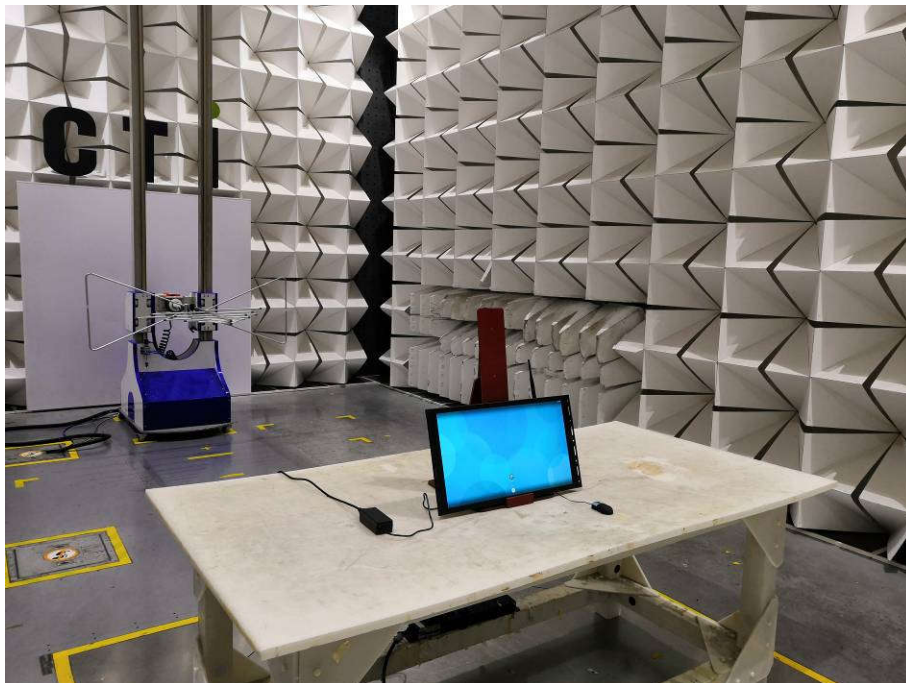
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

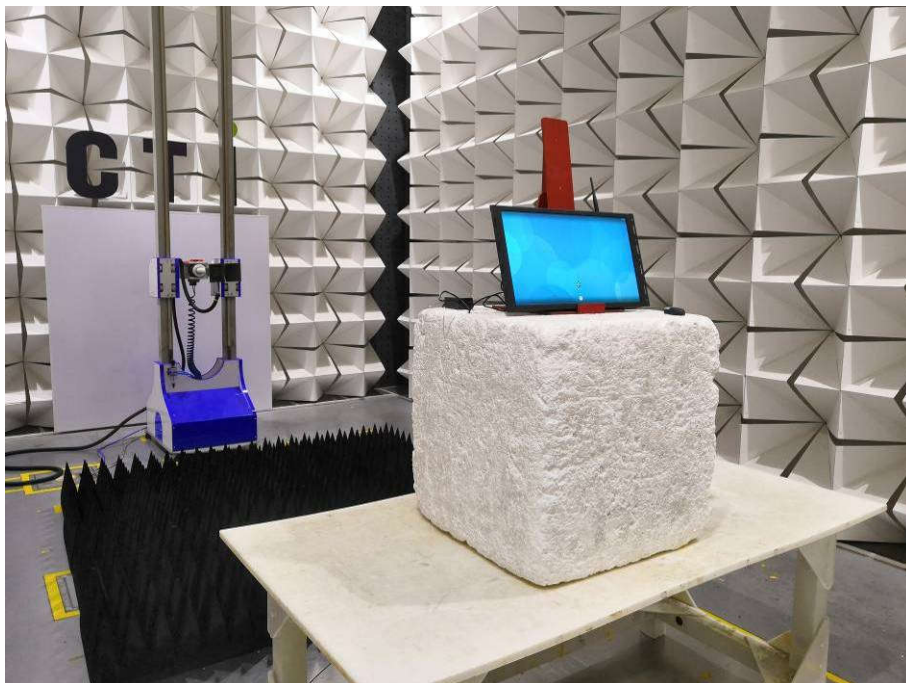
3) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below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

PHOTOGRAPHS OF TEST SETUP

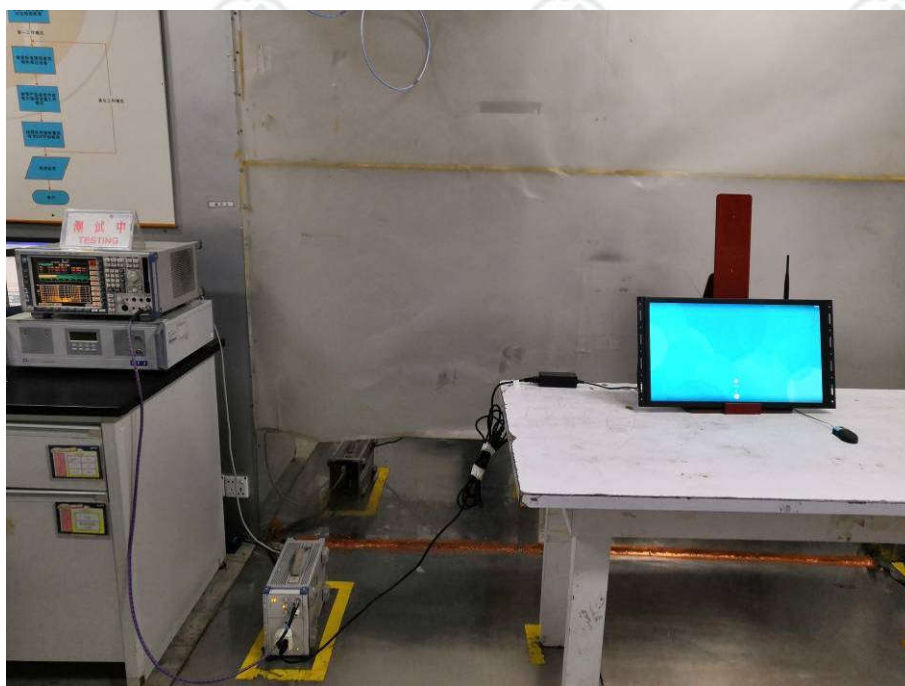
Test Model No.: UIO0421B-C02



Radiated spurious emission Test Setup-1(Below 1GHz)



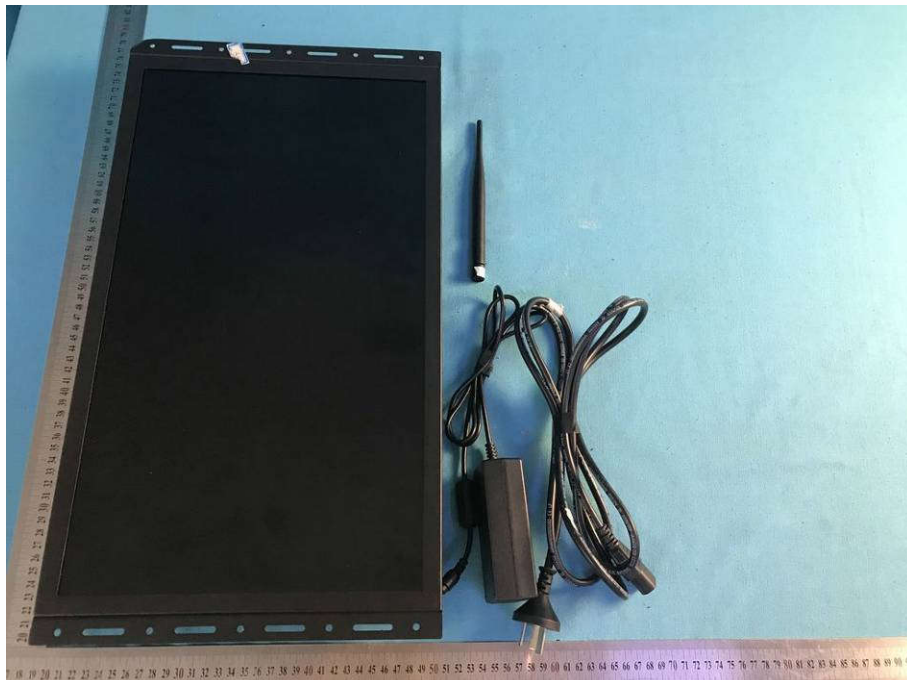
Radiated spurious emission Test Setup-2(Above 1GHz)



Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: UIO0421B-C02



View of Product-1



View of Product-2



View of Product-3



View of Product-4



View of Product-5



View of Product-6