4.7 Emissions in restricted frequency bands

4.7.1 Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
1 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

4.7.2 Test Procedure Reference

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

4.7.3 Test Procedures

Peak Field Strength Measurements

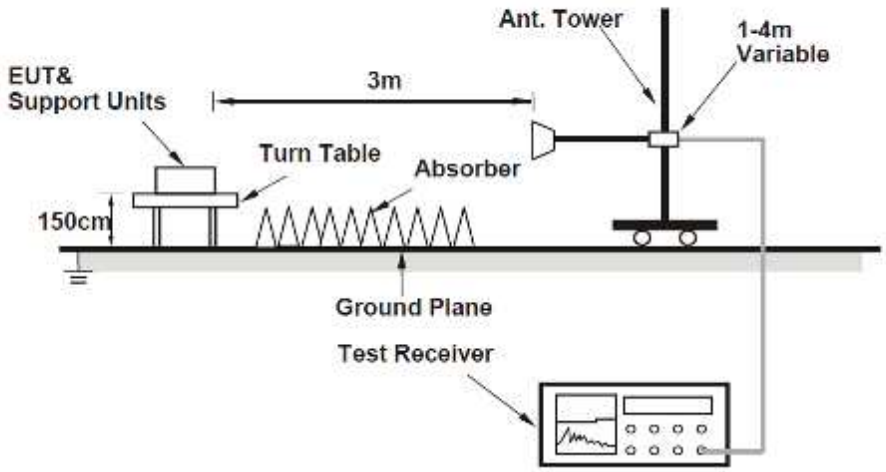
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

8. 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
9. 2. RBW = 1MHz
10. 3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.
11. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
12. 4. Detector = Peak
13. 5. Sweep time = auto
14. 6. Trace mode = max hold
15. 7. Trace was allowed to stabilize

4.7.4 Test Setup

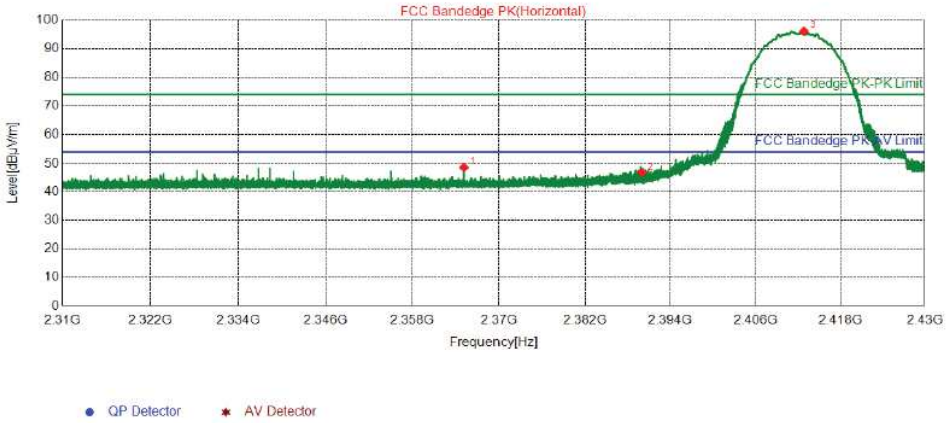
For Radiated emission above 1GHz



4.7.5 Test Results

Model : Pocket WiFi V3.0

802.11b-2412MHz/ Horizontal



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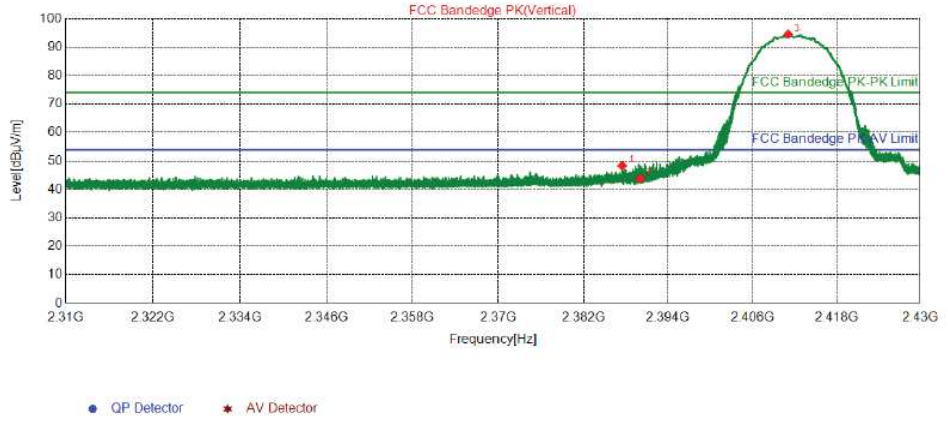
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2365.1400	50.31	48.59	74.00	25.41	155	107	Horizontal	PK
2	2390.0040	48.21	46.65	74.00	27.35	355	226	Horizontal	PK
3	2412.8340	97.40	95.98	74.00	-21.98	355	9	Horizontal	PK

802.11b-2412MHz/ Vertical



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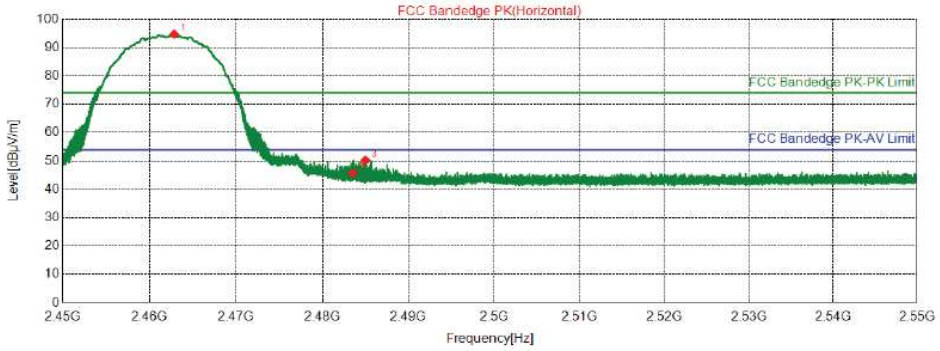
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2387.4840	49.91	48.33	74.00	25.67	355	144	Vertical	PK
2	2390.0040	45.30	43.74	74.00	30.26	355	85	Vertical	PK
3	2411.0820	95.99	94.56	74.00	-20.56	355	124	Vertical	PK

802.11b-2462MHz/ Horizontal



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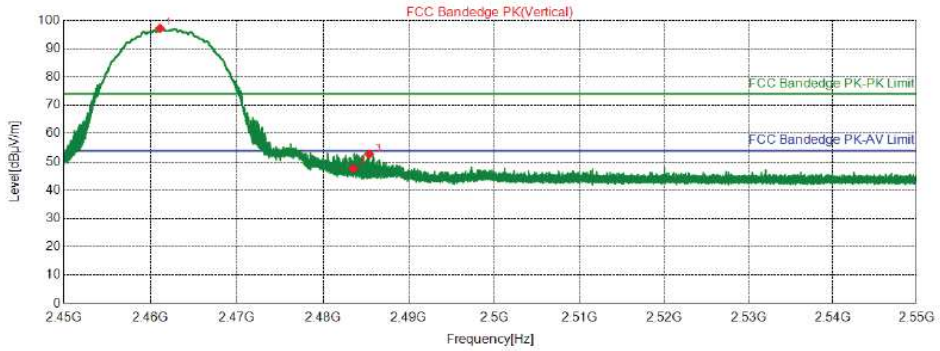
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2462.8500	95.90	94.74	74.00	-20.74	355	225	Horizontal	PK
2	2483.5000	46.76	45.70	74.00	28.30	355	255	Horizontal	PK
3	2485.0000	51.25	50.19	74.00	23.81	355	225	Horizontal	PK

802.11b-2462MHz/ Vertical



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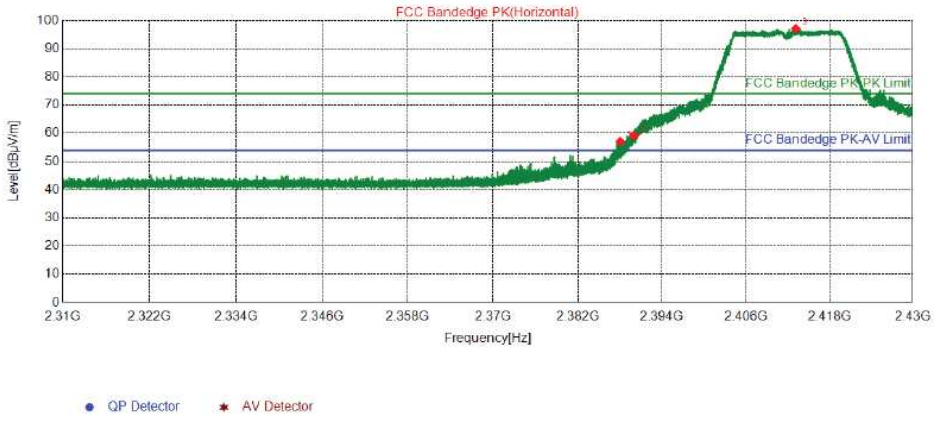
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2461.1050	98.35	97.18	74.00	-23.18	355	115	Vertical	PK
2	2483.5000	48.77	47.71	74.00	26.29	355	134	Vertical	PK
3	2485.3700	53.79	52.74	74.00	21.26	355	124	Vertical	PK

802.11g-2412MHz/ Horizontal-PK



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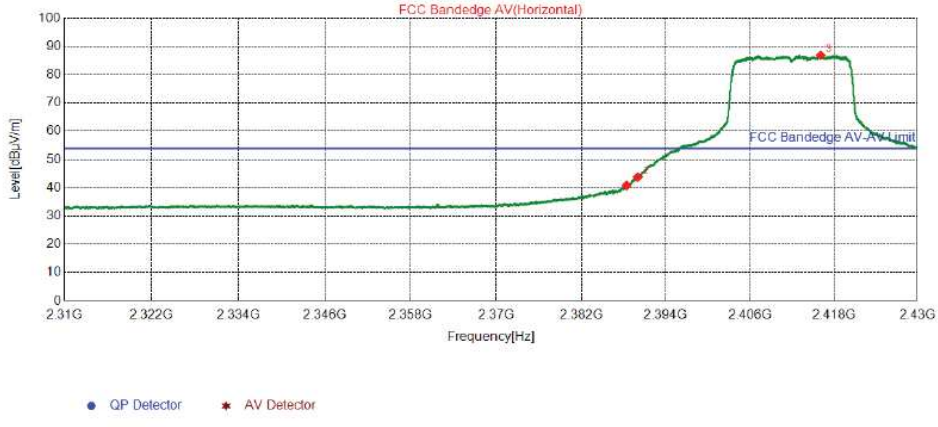
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.0480	58.59	57.01	74.00	16.99	355	233	Horizontal	PK
2	2390.0040	60.74	59.18	74.00	14.82	355	233	Horizontal	PK
3	2413.1580	98.48	97.06	74.00	-23.06	355	174	Horizontal	PK

802.11g-2412MHz/ Horizontal-AV



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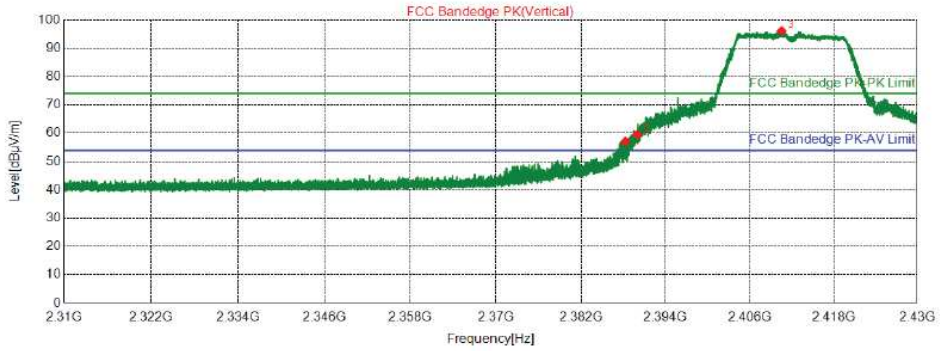
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.4200	42.42	40.84	54.00	13.16	355	231	Horizontal	PK
2	2390.0100	45.31	43.75	54.00	10.25	355	231	Horizontal	PK
3	2416.0800	88.29	86.89	54.00	-32.89	355	167	Horizontal	PK

802.11g-2412MHz/ Vertical-PK



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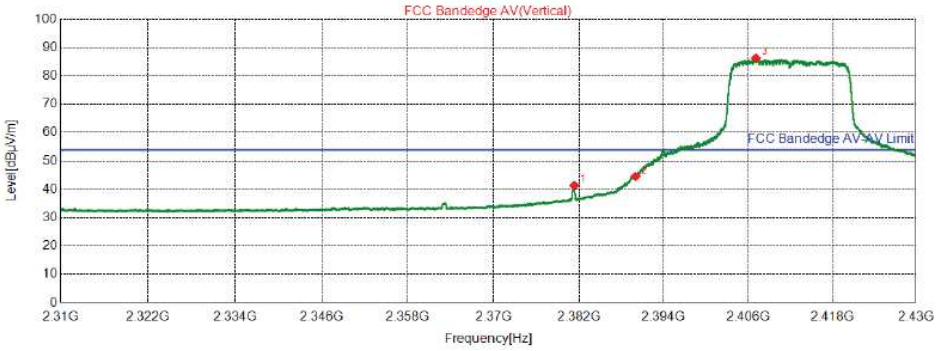
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.3000	58.69	57.11	74.00	16.89	355	136	Vertical	PK
2	2390.0100	60.98	59.42	74.00	14.58	355	97	Vertical	PK
3	2410.5420	97.57	96.14	74.00	-22.14	355	107	Vertical	PK

802.11g-2412MHz/ Vertical-AV



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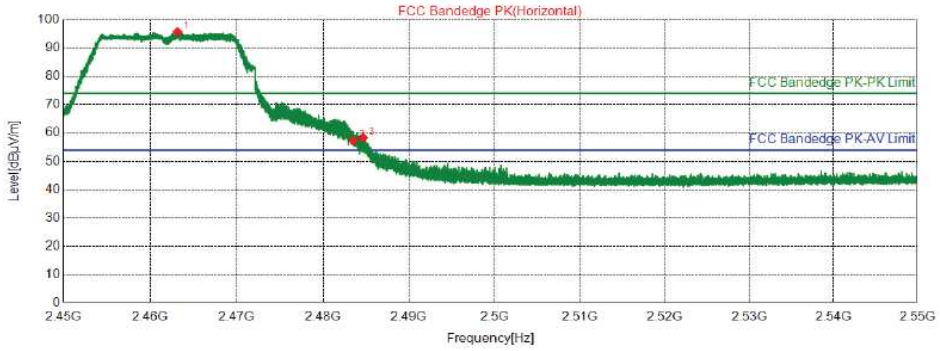
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2381.3400	42.96	41.34	54.00	12.66	355	283	Vertical	PK
2	2390.0100	46.08	44.52	54.00	9.48	355	141	Vertical	PK
3	2407.0950	87.76	86.30	54.00	-32.30	355	116	Vertical	PK

802.11g-2462MHz/ Horizontal-PK



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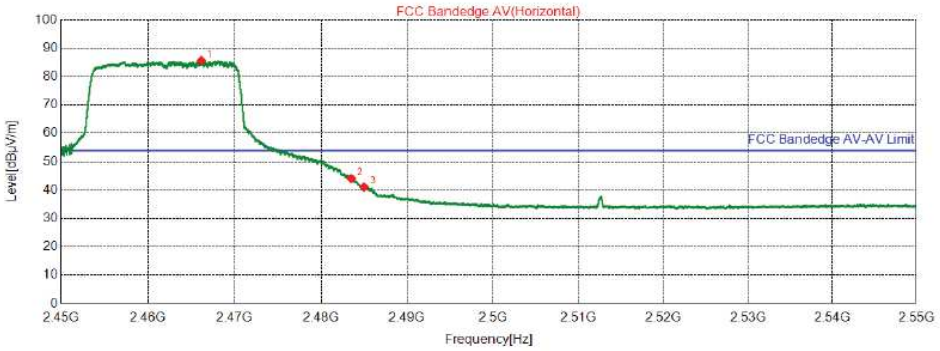
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.1550	96.78	95.62	74.00	-21.62	355	225	Horizontal	PK
2	2483.5000	58.39	57.33	74.00	16.67	355	264	Horizontal	PK
3	2484.6750	59.36	58.30	74.00	15.70	355	117	Horizontal	PK

802.11g-2462MHz/ Horizontal-AV



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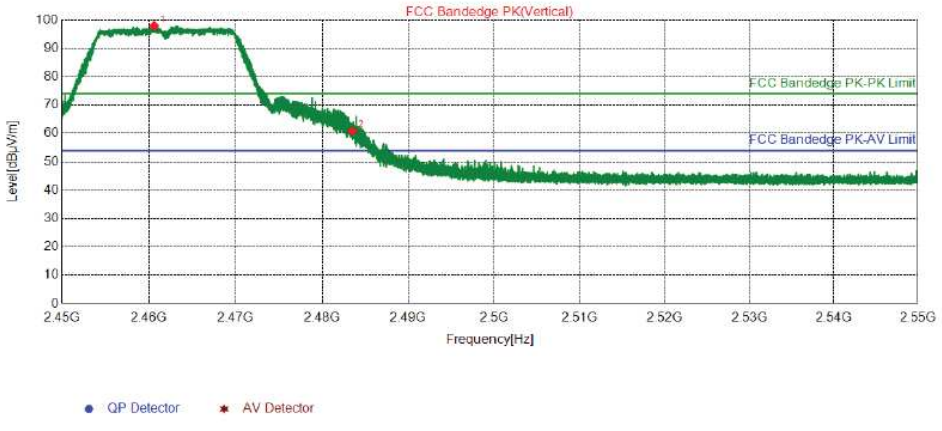
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.1500	86.77	85.63	54.00	-31.63	355	231	Horizontal	PK
2	2483.5000	45.13	44.07	54.00	9.93	355	231	Horizontal	PK
3	2485.0000	42.11	41.05	54.00	12.95	355	113	Horizontal	PK

802.11g-2462MHz/ Vertical-PK



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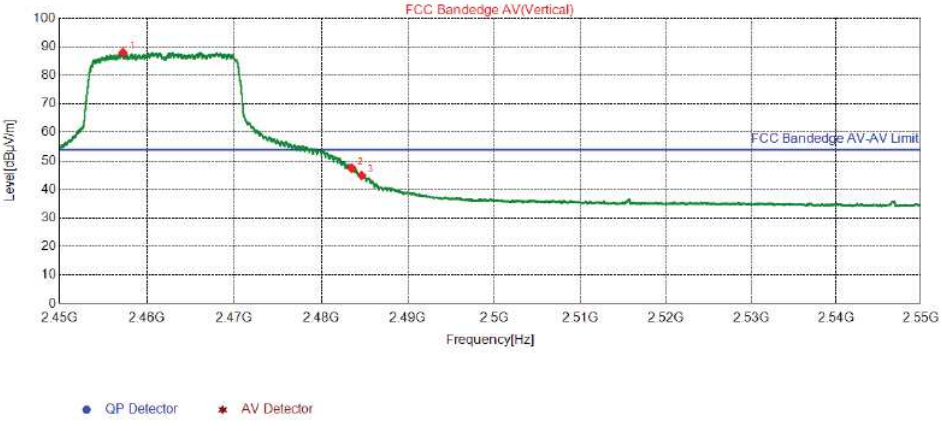
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2460.6000	99.09	97.92	74.00	-23.92	355	105	Vertical	PK
2	2483.5000	61.93	60.87	74.00	13.13	355	86	Vertical	PK

802.11g-2462MHz/ Vertical-AV



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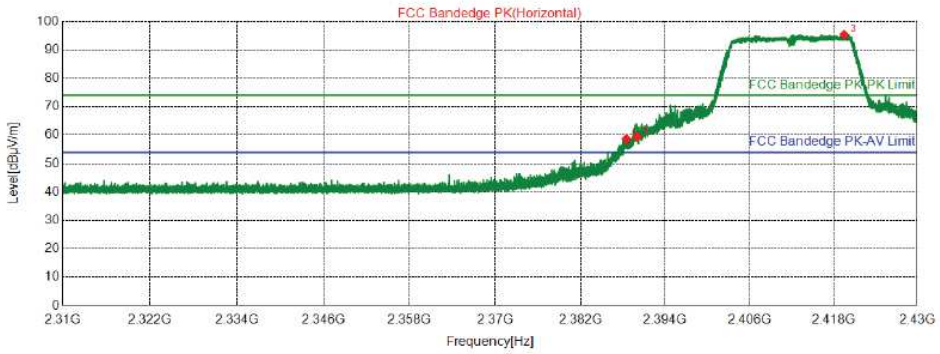
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2457.2625	89.14	87.96	54.00	-33.96	355	109	Vertical	PK
2	2483.5000	48.57	47.51	54.00	6.49	355	128	Vertical	PK
3	2484.6500	45.98	44.92	54.00	9.08	355	128	Vertical	PK

802.11n (HT20)-2412MHz/ Horizontal-PK



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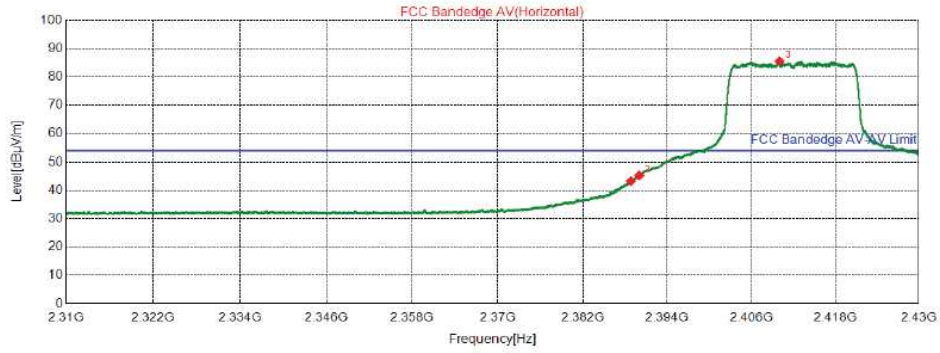
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.5040	60.18	58.61	74.00	15.39	355	16	Horizontal	PK
2	2390.0040	60.93	59.37	74.00	14.63	355	243	Horizontal	PK
3	2419.5120	96.77	95.39	74.00	-21.39	355	174	Horizontal	PK

802.11n (HT20)-2412MHz/ Horizontal-AV



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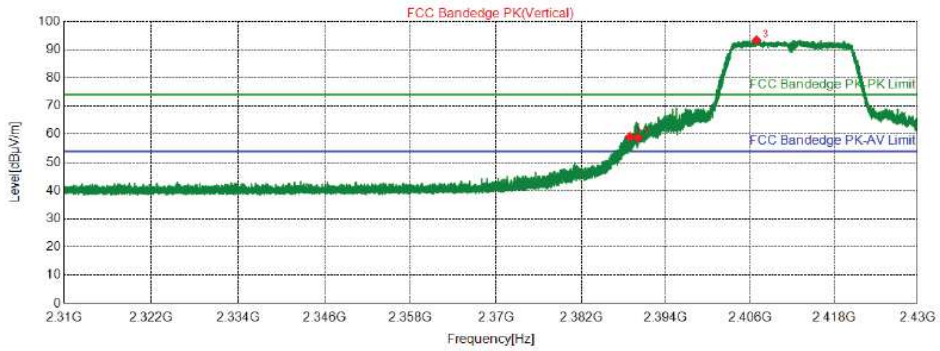
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.8250	44.85	43.28	54.00	10.72	355	11	Horizontal	PK
2	2390.0100	46.76	45.20	54.00	8.80	355	18	Horizontal	PK
3	2410.0050	86.99	85.55	54.00	-31.55	355	37	Horizontal	PK

802.11n (HT20)-2412MHz/ Vertical-PK



● QP Detector ✱ AV Detector

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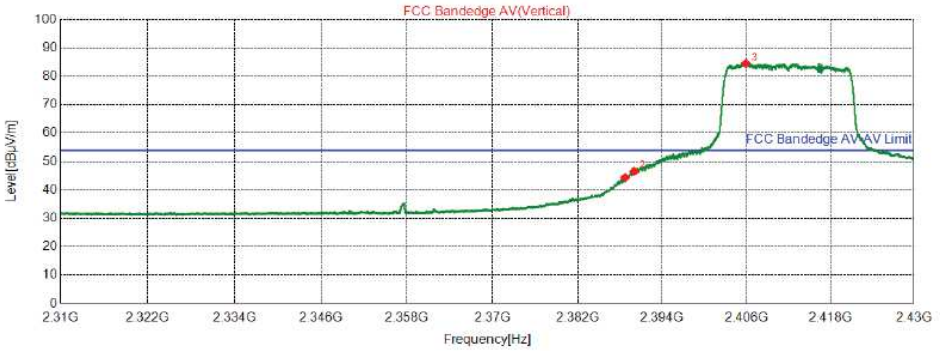
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.8820	60.68	59.11	74.00	14.89	355	137	Vertical	PK
2	2390.0100	60.22	58.66	74.00	15.34	355	147	Vertical	PK
3	2406.9060	94.83	93.37	74.00	-19.37	355	137	Vertical	PK

802.11n (HT20)-2412MHz/ Vertical-AV



● QP Detector ✱ AV Detector

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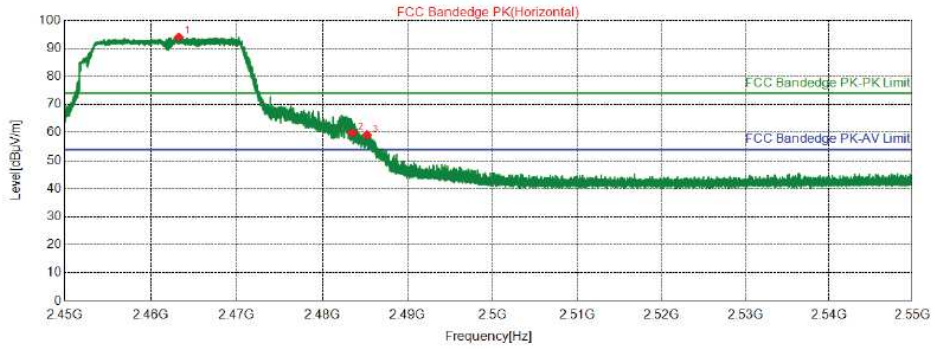
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.7200	45.88	44.31	54.00	9.69	355	134	Vertical	PK
2	2390.0100	48.07	46.51	54.00	7.49	355	134	Vertical	PK
3	2405.8950	85.98	84.52	54.00	-30.52	355	115	Vertical	PK

802.11n (ht20)-2462MHz/ Horizontal-PK



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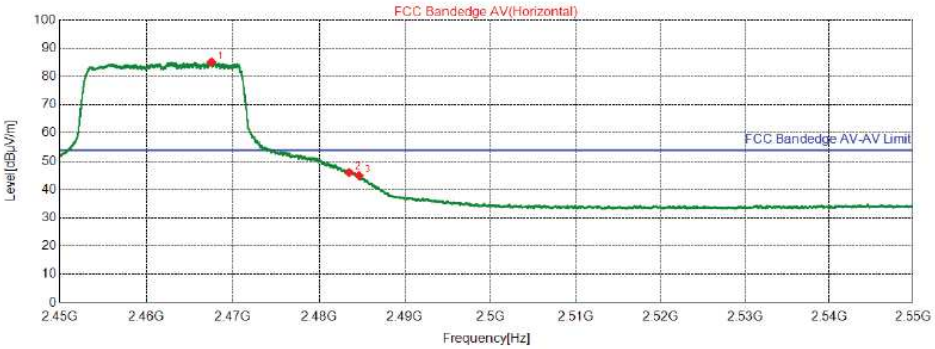
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.2500	95.19	94.03	74.00	-20.03	355	225	Horizontal	PK
2	2483.5000	60.93	59.87	74.00	14.13	355	8	Horizontal	PK
3	2485.2300	60.17	59.12	74.00	14.88	355	225	Horizontal	PK

802.11n (ht20)-2462MHz/ Horizontal-AV



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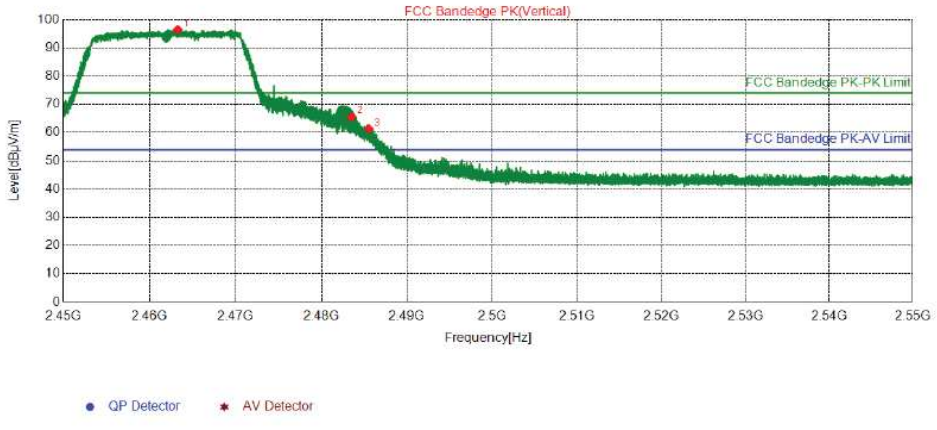
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2467.5250	86.25	85.11	54.00	-31.11	355	234	Horizontal	PK
2	2483.5000	47.06	46.00	54.00	8.00	355	234	Horizontal	PK
3	2484.6500	46.00	44.94	54.00	9.06	355	234	Horizontal	PK

802.11n (ht20)-2462MHz/ Vertical-PK



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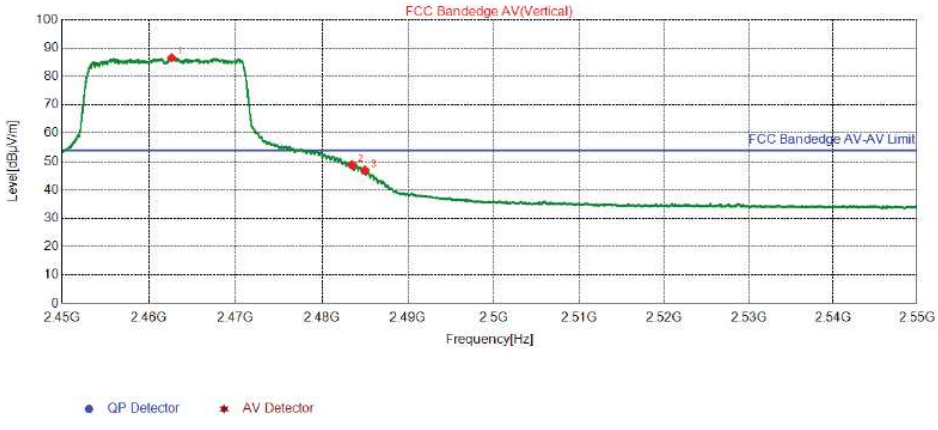
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.2650	97.63	96.47	74.00	-22.47	355	114	Vertical	PK
2	2483.5000	66.63	65.57	74.00	8.43	355	75	Vertical	PK
3	2485.5450	62.39	61.34	74.00	12.66	355	124	Vertical	PK

802.11n (ht20)-2462MHz/ Vertical-AV



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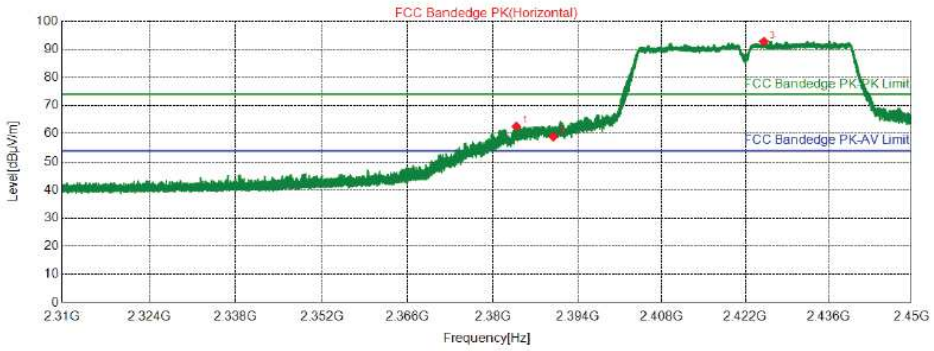
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2462.6250	87.72	86.56	54.00	-32.56	355	114	Vertical	PK
2	2483.5000	49.91	48.85	54.00	5.15	355	124	Vertical	PK
3	2484.9875	48.04	46.98	54.00	7.02	355	124	Vertical	PK

802.11n (ht40)-2422MHz/ Horizontal-PK



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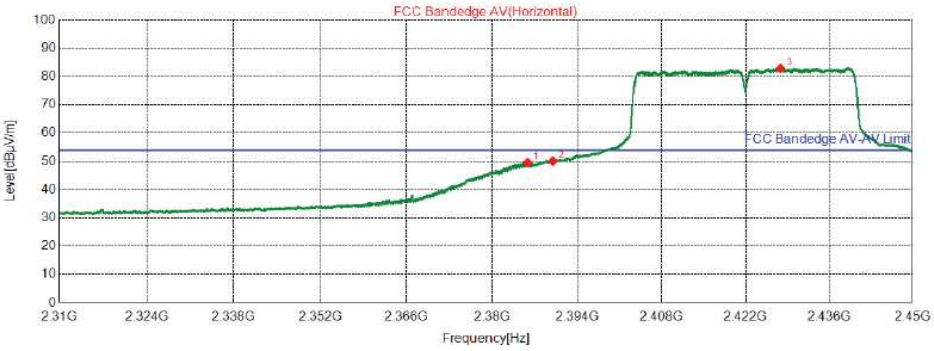
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2383.8920	64.21	62.61	74.00	11.39	355	225	Horizontal	PK
2	2390.0030	60.52	58.96	74.00	15.04	355	205	Horizontal	PK
3	2425.0870	94.15	92.81	74.00	-18.81	355	195	Horizontal	PK

802.11n (ht40)-2422MHz/ Horizontal-AV



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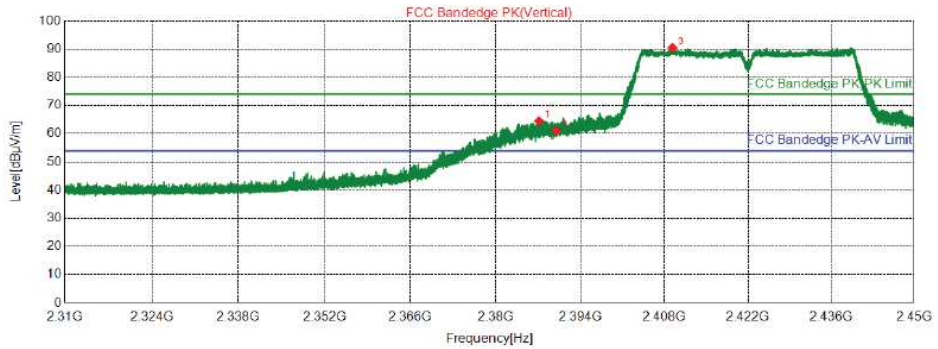
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2385.8450	51.07	49.48	54.00	4.52	355	225	Horizontal	PK
2	2390.0100	51.59	50.03	54.00	3.97	355	8	Horizontal	PK
3	2427.8100	84.17	82.85	54.00	-28.85	355	203	Horizontal	PK

802.11n (ht40)-2422MHz/ Vertical-PK



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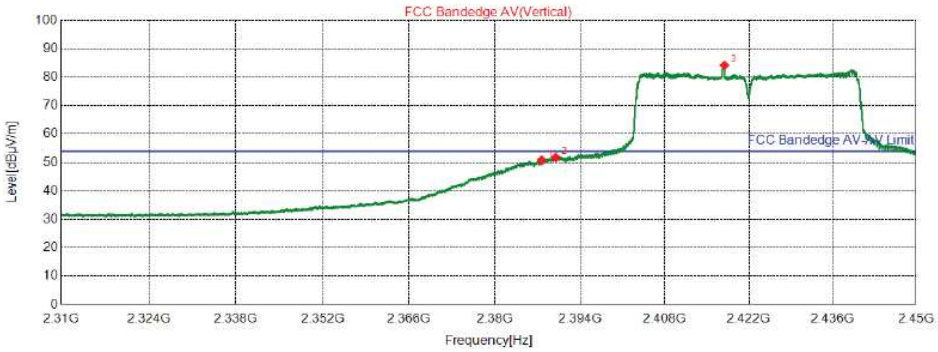
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2387.1890	66.08	64.50	74.00	9.50	355	144	Vertical	PK
2	2390.0100	62.57	61.01	74.00	12.99	355	144	Vertical	PK
3	2409.3720	91.93	90.49	74.00	-16.49	355	144	Vertical	PK

802.11n (ht40)-2422MHz/ Vertical-AV



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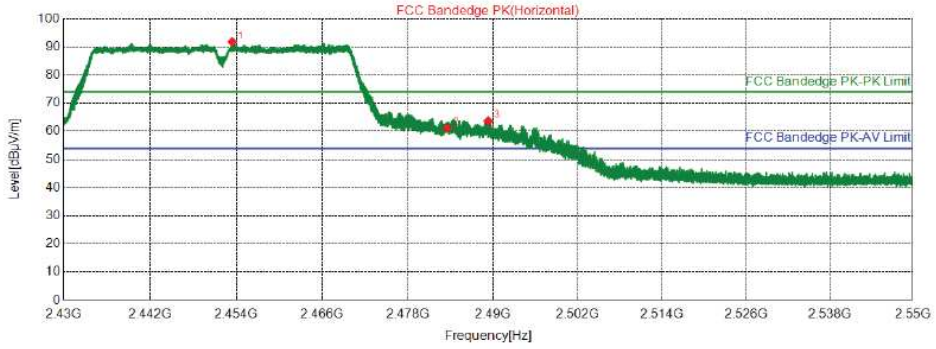
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2387.7000	52.30	50.72	54.00	3.28	355	133	Vertical	PK
2	2390.0100	53.31	51.75	54.00	2.25	355	133	Vertical	PK
3	2417.9225	85.57	84.18	54.00	-30.18	355	328	Vertical	PK

802.11n (ht40)-2452MHz/ Horizontal-PK



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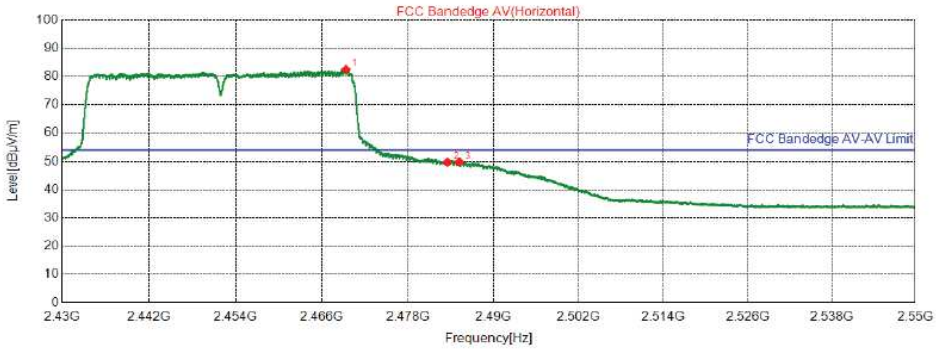
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2453.4000	93.00	91.80	74.00	-17.80	355	215	Horizontal	PK
2	2483.5200	62.19	61.13	74.00	12.87	355	136	Horizontal	PK
3	2489.2980	64.73	63.69	74.00	10.31	355	117	Horizontal	PK

802.11n (ht40)-2452MHz/ Horizontal-AV



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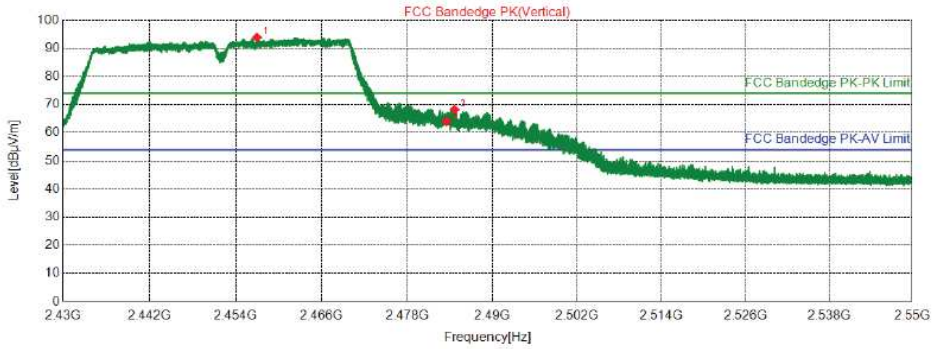
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2469.3150	83.63	82.50	54.00	-28.50	355	232	Horizontal	PK
2	2483.5200	50.72	49.66	54.00	4.34	355	232	Horizontal	PK
3	2485.1850	50.83	49.77	54.00	4.23	355	232	Horizontal	PK

802.11n (ht40)-2452MHz/ Vertical-PK



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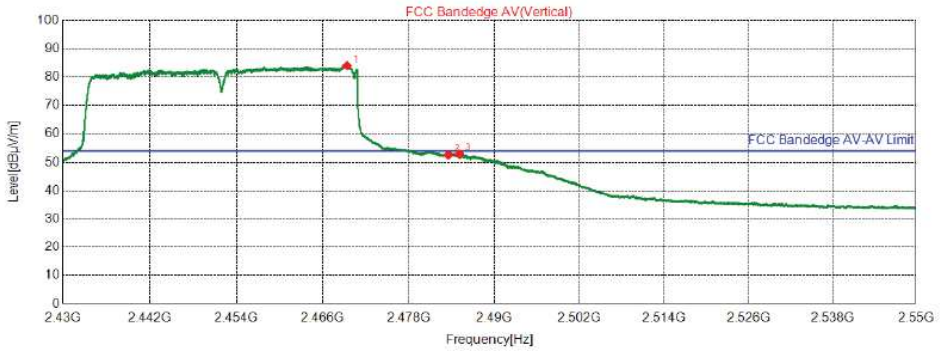
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2456.9340	95.10	93.91	74.00	-19.91	355	115	Vertical	PK
2	2483.5080	65.10	64.04	74.00	9.96	355	125	Vertical	PK
3	2484.6240	69.26	68.20	74.00	5.80	355	125	Vertical	PK

802.11n (ht40)-2452MHz/ Vertical-AV



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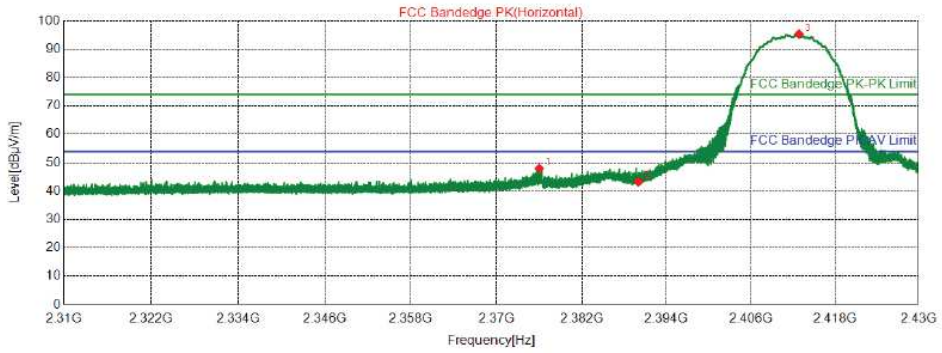
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2469.3450	85.18	84.05	54.00	-30.05	355	124	Vertical	PK
2	2483.5200	53.62	52.56	54.00	1.44	355	124	Vertical	PK
3	2485.0650	53.95	52.89	54.00	1.11	355	124	Vertical	PK

Model : Pocket WiFi V3.0-P

802.11b-2412MHz/ Horizontal



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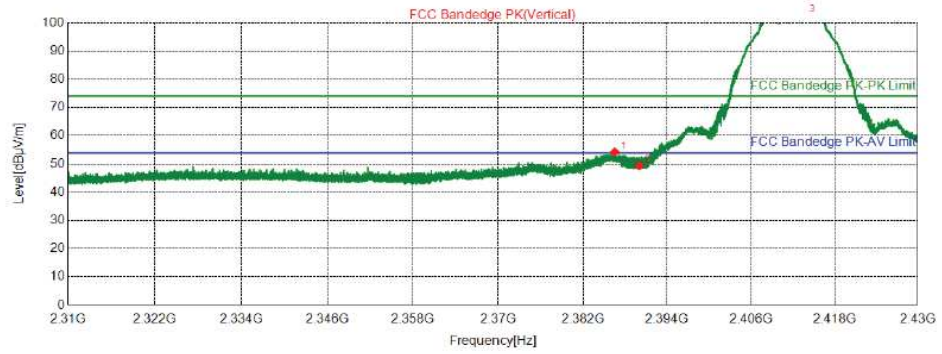
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2376.0120	49.63	47.98	74.00	26.02	355	206	Horizontal	PK
2	2390.0100	44.76	43.20	74.00	30.80	355	156	Horizontal	PK
3	2412.8580	96.81	95.39	74.00	-21.39	355	156	Horizontal	PK

802.11b-2412MHz/ Vertical



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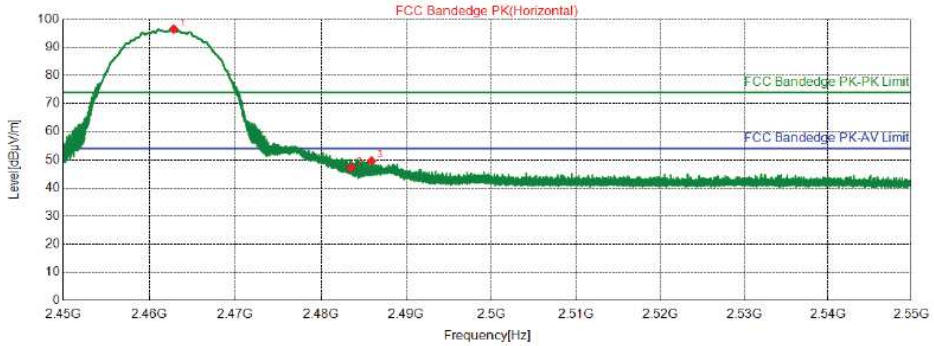
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2386.5300	55.79	54.20	74.00	19.80	355	312	Vertical	PK
2	2390.0100	50.96	49.40	74.00	24.60	355	184	Vertical	PK
3	2413.5180	104.27	102.86	74.00	-28.86	355	36	Vertical	PK

802.11b-2462MHz/ Horizontal



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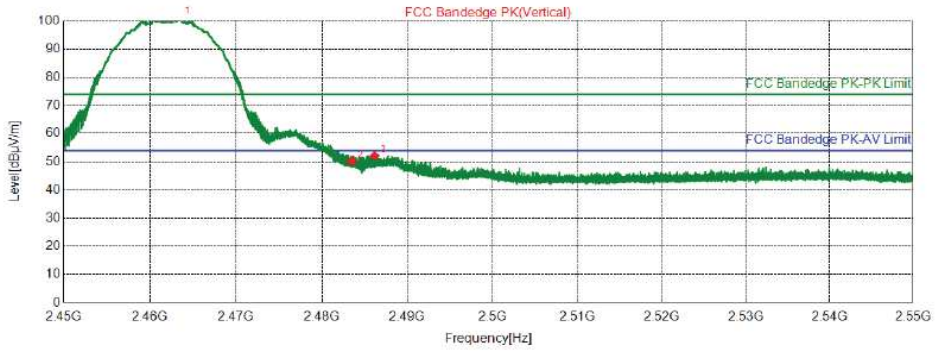
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2462.8350	97.63	96.47	74.00	-22.47	355	301	Horizontal	PK
2	2483.5000	48.32	47.26	74.00	26.74	355	183	Horizontal	PK
3	2485.9250	50.66	49.61	74.00	24.39	355	291	Horizontal	PK

802.11b-2462MHz/ Vertical



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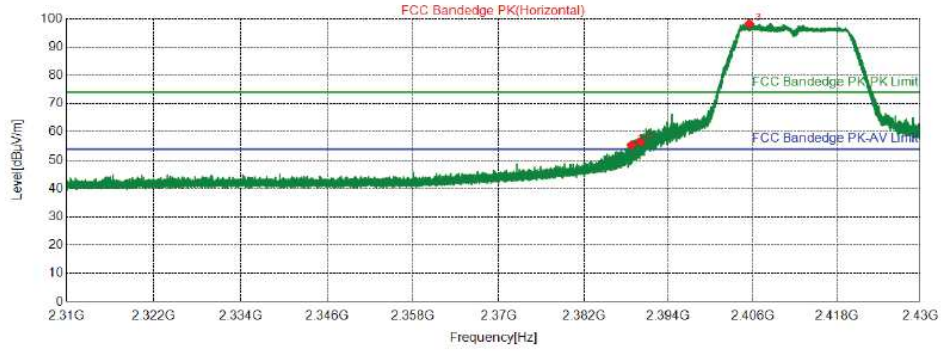
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.3700	102.45	101.29	74.00	-27.29	355	157	Vertical	PK
2	2483.5000	51.26	50.20	74.00	23.80	355	0	Vertical	PK
3	2486.1700	53.17	52.12	74.00	21.88	355	9	Vertical	PK

802.11g-2412MHz/ Horizontal-PK



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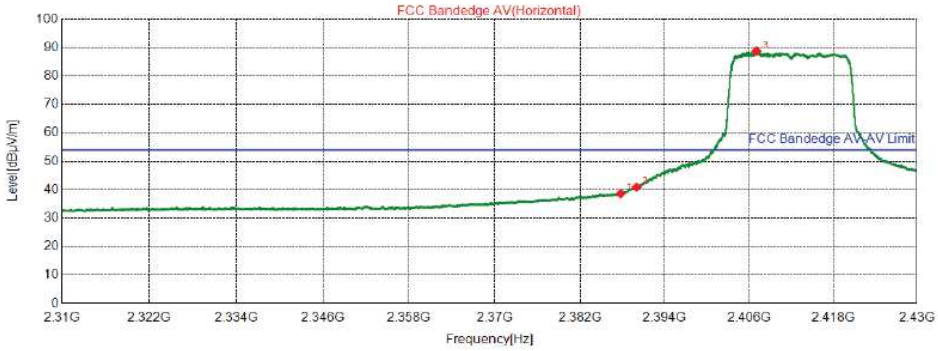
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.7380	57.00	55.43	74.00	18.57	355	282	Horizontal	PK
2	2390.0100	58.11	56.55	74.00	17.45	355	164	Horizontal	PK
3	2405.5080	99.68	98.21	74.00	-24.21	355	282	Horizontal	PK

802.11g-2412MHz/ Horizontal-AV



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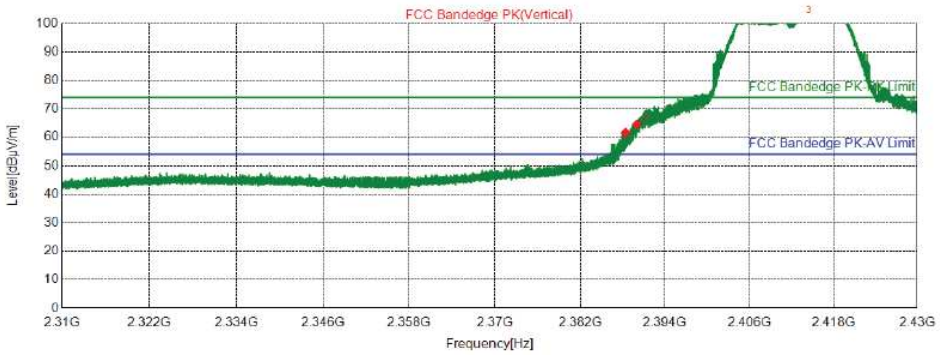
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2387.7600	40.18	38.60	54.00	15.40	355	160	Horizontal	PK
2	2390.0100	42.46	40.90	54.00	13.10	355	279	Horizontal	PK
3	2407.0350	90.18	88.72	54.00	-34.72	355	279	Horizontal	PK

802.11g-2412MHz/ Vertical-PK



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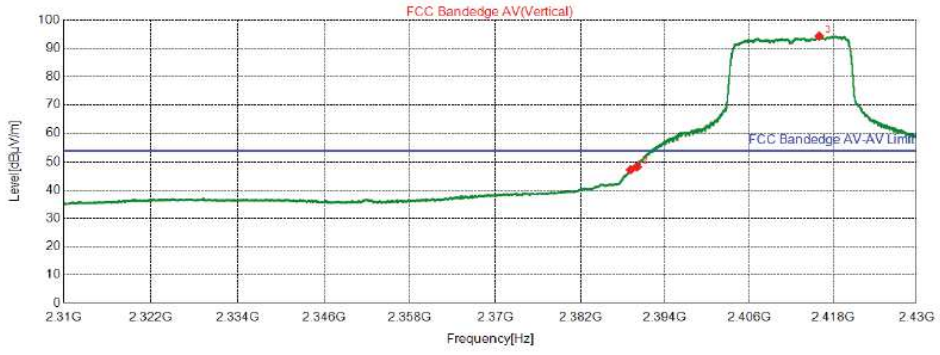
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.4140	63.11	61.53	74.00	12.47	355	303	Vertical	PK
2	2390.0100	66.23	64.67	74.00	9.33	355	303	Vertical	PK
3	2413.2120	103.75	102.33	74.00	-28.33	355	303	Vertical	PK

802.11g-2412MHz/ Vertical-AV



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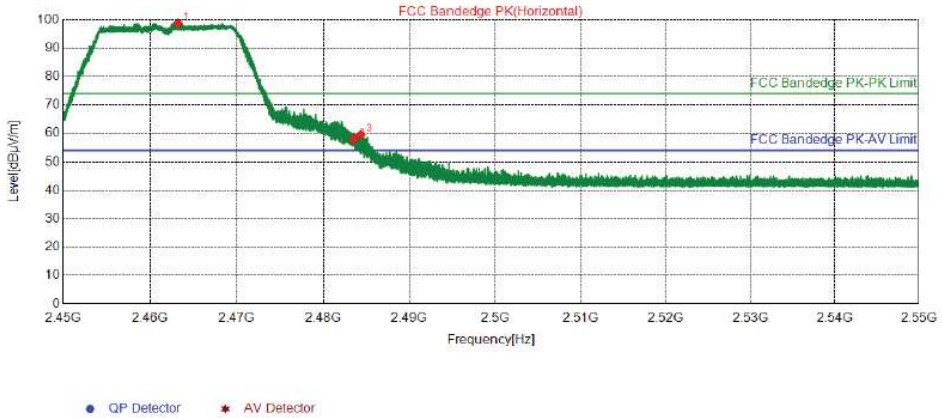
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2389.0950	48.81	47.24	54.00	6.76	355	306	Vertical	PK
2	2390.0100	49.82	48.26	54.00	5.74	355	316	Vertical	PK
3	2416.0050	95.73	94.33	54.00	-40.33	355	36	Vertical	PK

802.11g-2462MHz/ Horizontal-PK



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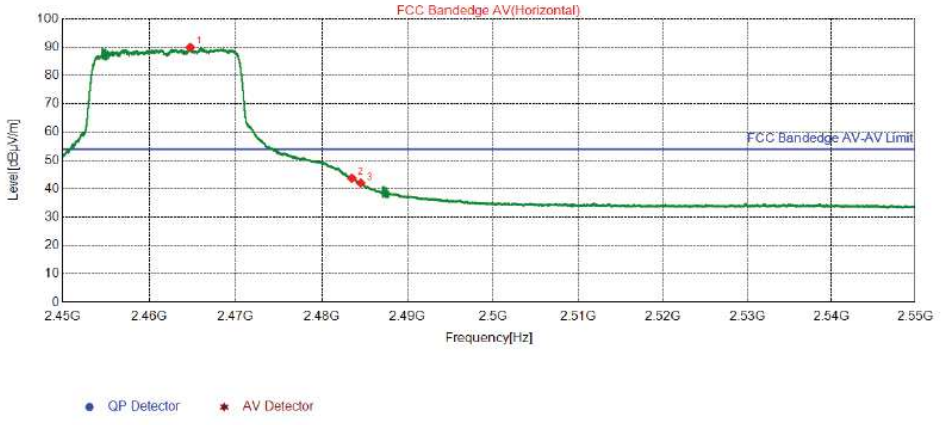
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.1900	99.90	98.74	74.00	-24.74	355	302	Horizontal	PK
2	2483.5000	59.11	58.05	74.00	15.95	355	302	Horizontal	PK
3	2484.3450	60.57	59.51	74.00	14.49	355	293	Horizontal	PK

802.11g-2462MHz/ Horizontal-AV



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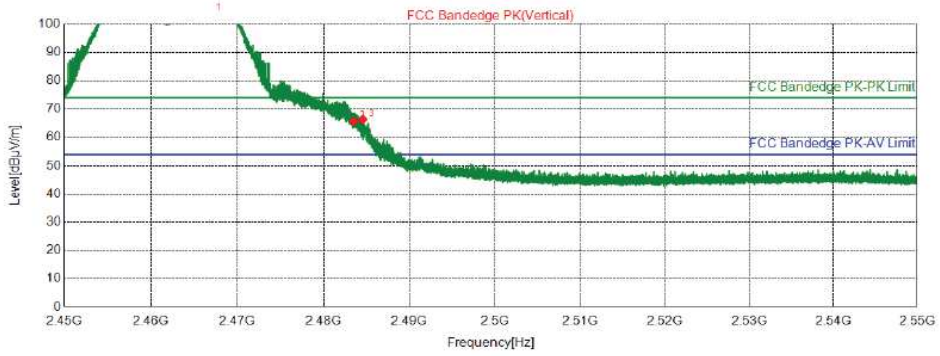
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2464.7500	91.02	89.87	54.00	-35.87	355	89	Horizontal	PK
2	2483.5000	44.81	43.75	54.00	10.25	355	285	Horizontal	PK
3	2484.5375	43.11	42.05	54.00	11.95	355	290	Horizontal	PK

802.11g-2462MHz/ Vertical-PK



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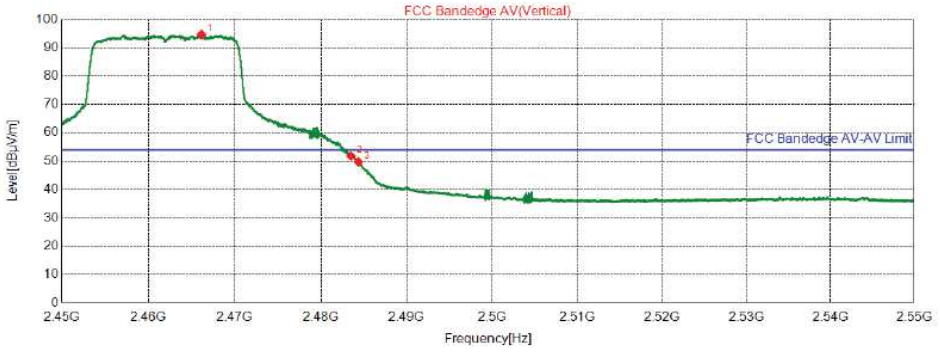
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.7450	104.61	103.47	74.00	-29.47	355	332	Vertical	PK
2	2483.5000	66.71	65.65	74.00	8.35	355	332	Vertical	PK
3	2484.5750	67.41	66.35	74.00	7.65	355	332	Vertical	PK

802.11g-2462MHz/ Vertical-AV



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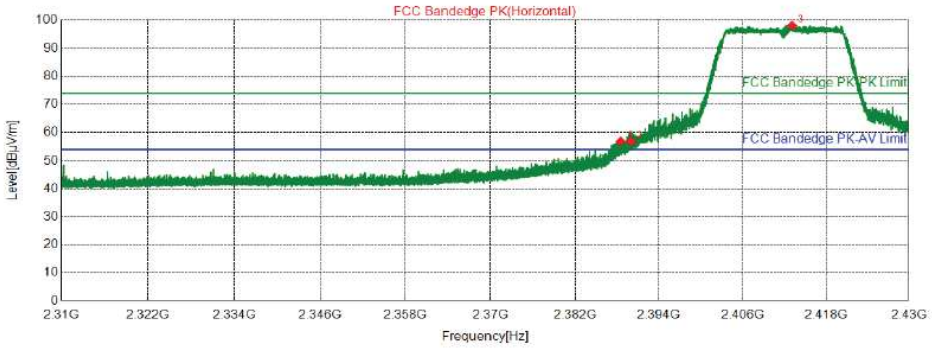
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.1375	95.79	94.65	54.00	-40.65	355	327	Vertical	PK
2	2483.5000	52.85	51.79	54.00	2.21	355	317	Vertical	PK
3	2484.3625	50.73	49.67	54.00	4.33	355	327	Vertical	PK

802.11n (HT20)-2412MHz/ Horizontal-PK



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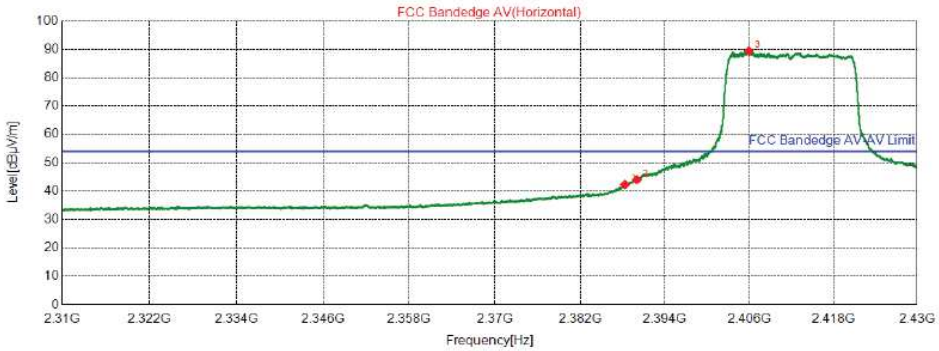
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.5220	58.49	56.92	74.00	17.08	355	275	Horizontal	PK
2	2390.0100	58.43	56.87	74.00	17.13	355	275	Horizontal	PK
3	2413.1040	99.42	98.00	74.00	-24.00	355	156	Horizontal	PK

802.11n (HT20)-2412MHz/ Horizontal-AV



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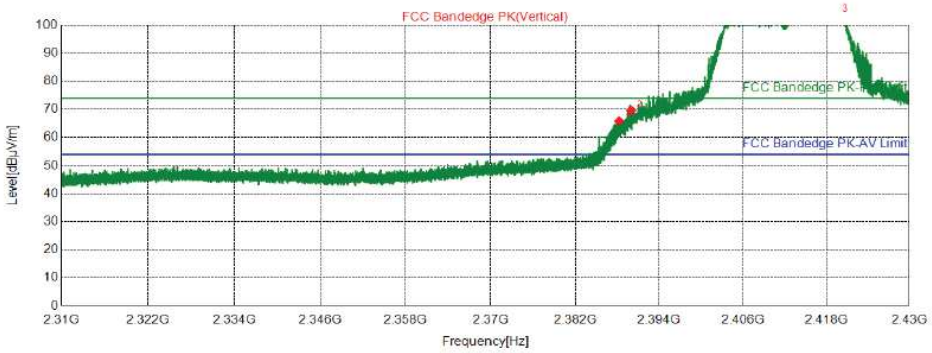
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.3300	43.85	42.27	54.00	11.73	355	161	Horizontal	PK
2	2390.0100	45.53	43.97	54.00	10.03	355	172	Horizontal	PK
3	2405.9250	90.89	89.43	54.00	-35.43	355	282	Horizontal	PK

802.11n (HT20)-2412MHz/ Vertical-PK



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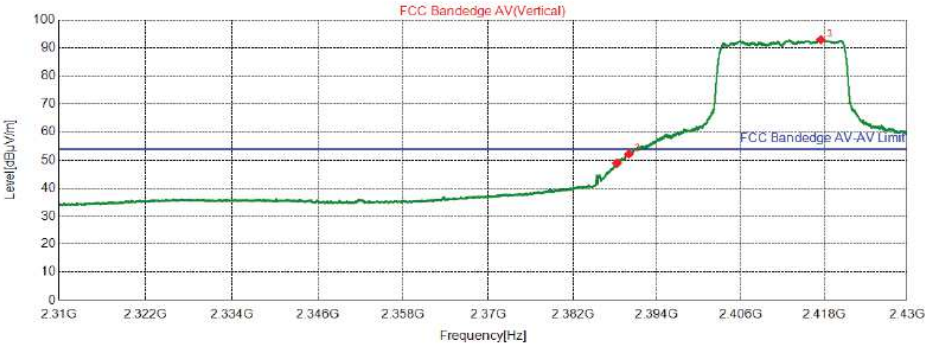
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.2580	67.45	65.87	74.00	8.13	355	17	Vertical	PK
2	2390.0040	71.25	69.69	74.00	4.31	355	17	Vertical	PK
3	2419.4520	104.97	103.59	74.00	-29.59	355	26	Vertical	PK

802.11n (HT20)-2412MHz/ Vertical-AV



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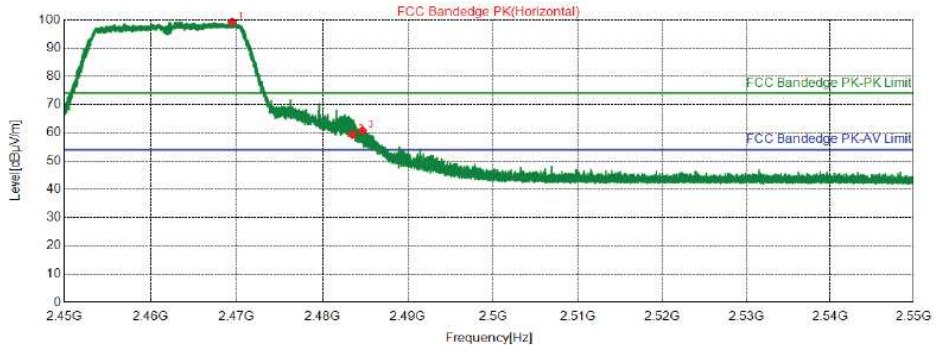
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.2700	50.48	48.90	54.00	5.10	355	307	Vertical	PK
2	2390.0100	53.81	52.25	54.00	1.75	355	318	Vertical	PK
3	2417.5350	94.27	92.88	54.00	-38.88	355	307	Vertical	PK

802.11n (ht20)-2462MHz/ Horizontal-PK



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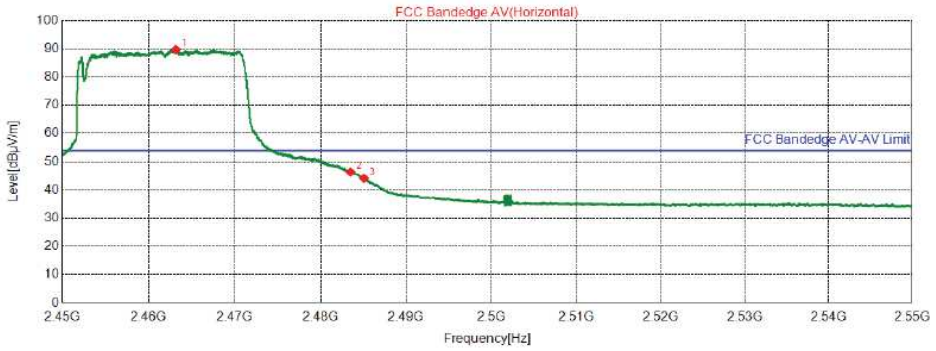
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2469.4650	100.39	99.26	74.00	-25.26	355	284	Horizontal	PK
2	2483.5000	60.43	59.37	74.00	14.63	355	166	Horizontal	PK
3	2484.6750	61.86	60.80	74.00	13.20	355	284	Horizontal	PK

802.11n (ht20)-2462MHz/ Horizontal-AV



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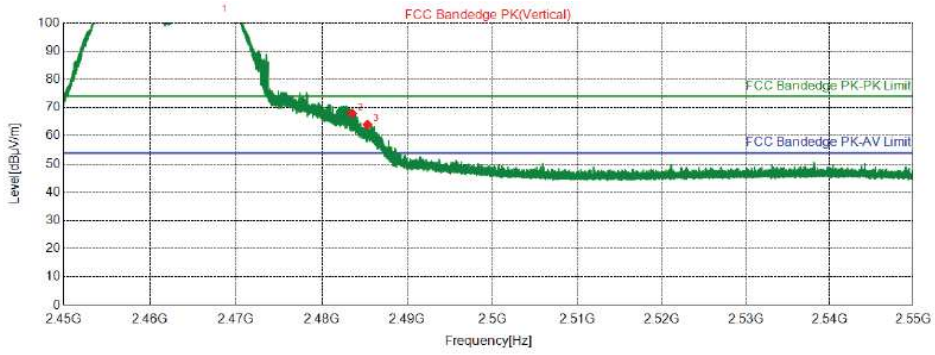
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.1625	90.86	89.70	54.00	-35.70	355	297	Horizontal	PK
2	2483.5000	47.38	46.32	54.00	7.68	355	291	Horizontal	PK
3	2485.0625	45.20	44.14	54.00	9.86	355	291	Horizontal	PK

802.11n (ht20)-2462MHz/ Vertical-PK



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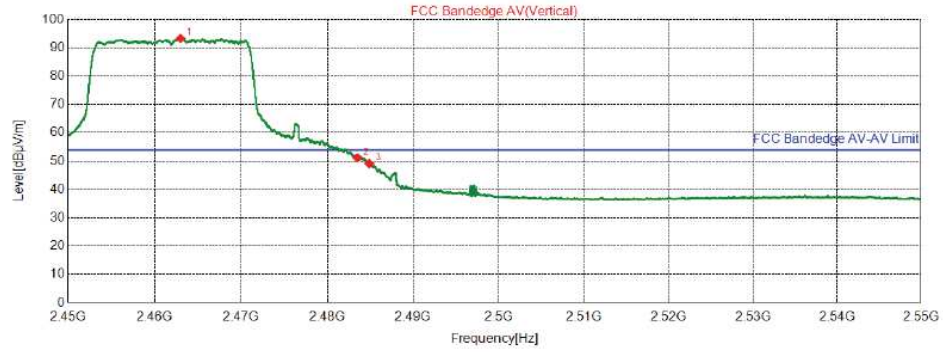
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2467.6300	103.76	102.62	74.00	-28.62	355	324	Vertical	PK
2	2483.5000	68.97	67.91	74.00	6.09	355	304	Vertical	PK
3	2485.3400	65.06	64.01	74.00	9.99	355	324	Vertical	PK

802.11n (ht20)-2462MHz/ Vertical-AV



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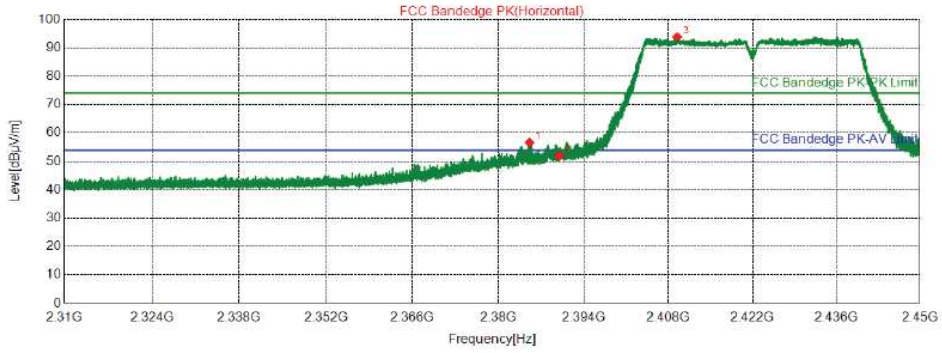
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2463.0000	94.49	93.33	54.00	-39.33	355	325	Vertical	PK
2	2483.5000	52.20	51.14	54.00	2.86	355	330	Vertical	PK
3	2484.8750	50.21	49.15	54.00	4.85	355	330	Vertical	PK

802.11n (ht40)-2422MHz/ Horizontal-PK



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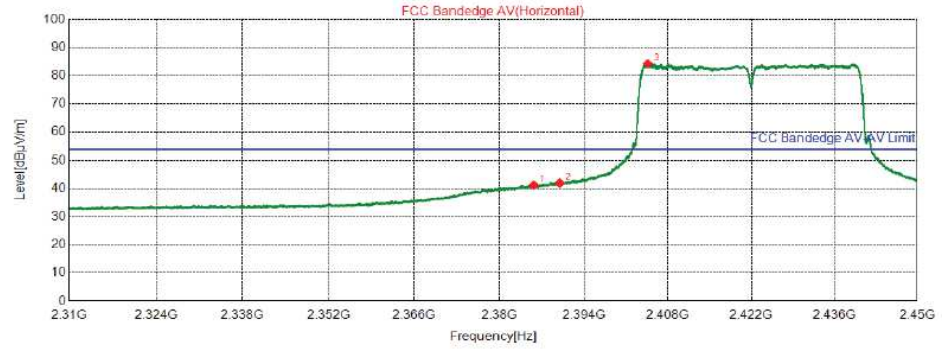
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2385.1310	58.25	56.65	74.00	17.35	355	302	Horizontal	PK
2	2390.0100	53.44	51.88	74.00	22.12	355	302	Horizontal	PK
3	2409.4700	95.30	93.86	74.00	-19.86	355	292	Horizontal	PK

802.11n (ht40)-2422MHz/ Horizontal-AV



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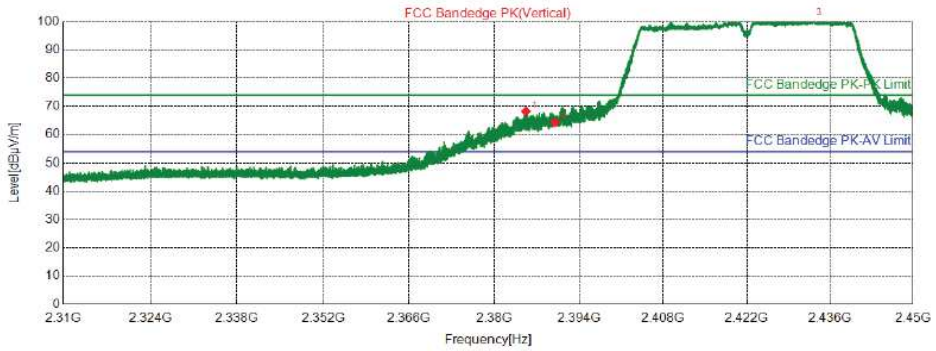
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2385.7050	42.78	41.19	54.00	12.81	355	278	Horizontal	PK
2	2390.0100	43.48	41.92	54.00	12.08	355	284	Horizontal	PK
3	2404.6400	85.74	84.27	54.00	-30.27	355	278	Horizontal	PK

802.11n (ht40)-2422MHz/ Vertical-PK



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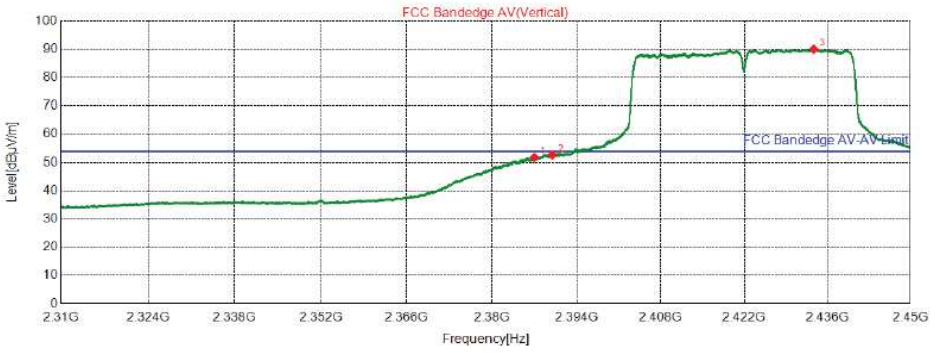
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2385.2290	69.83	68.23	74.00	5.77	355	312	Vertical	PK
2	2390.0100	65.90	64.34	74.00	9.66	355	164	Vertical	PK
3	2432.6050	102.35	101.05	74.00	-27.05	355	312	Vertical	PK

802.11n (ht40)-2422MHz/ Vertical-AV



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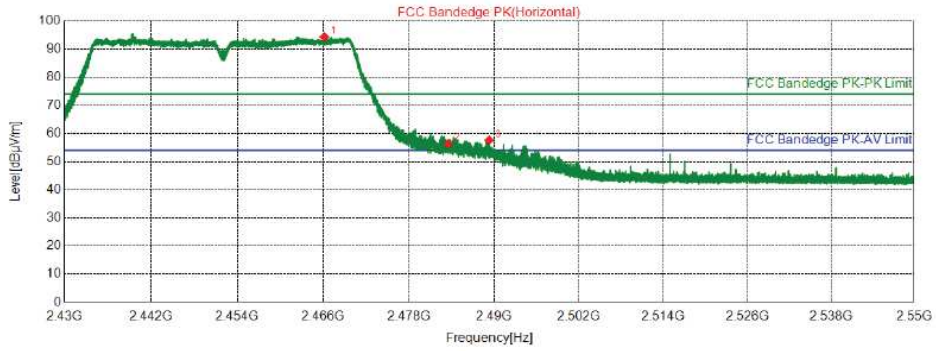
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2387.0175	53.35	51.77	54.00	2.23	355	306	Vertical	PK
2	2390.0100	54.25	52.69	54.00	1.31	355	306	Vertical	PK
3	2433.6550	91.28	89.99	54.00	-35.99	355	311	Vertical	PK

802.11n (ht40)-2452MHz/ Horizontal-PK



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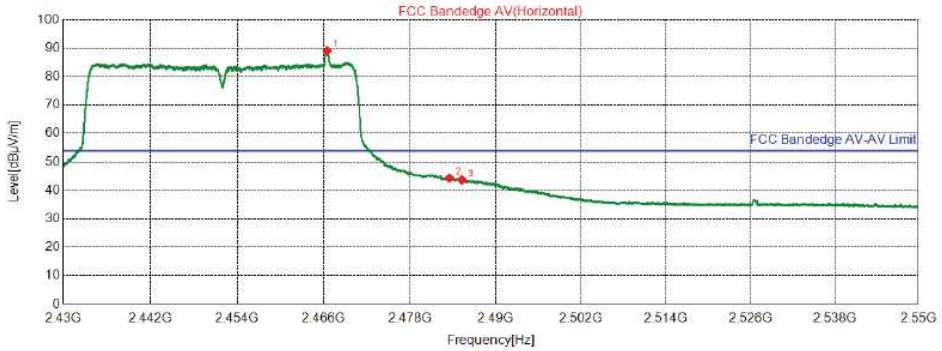
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.1260	95.38	94.24	74.00	-20.24	355	294	Horizontal	PK
2	2483.5020	57.49	56.43	74.00	17.57	355	294	Horizontal	PK
3	2489.2800	58.78	57.74	74.00	16.26	355	294	Horizontal	PK

802.11n (ht40)-2452MHz/ Horizontal-AV



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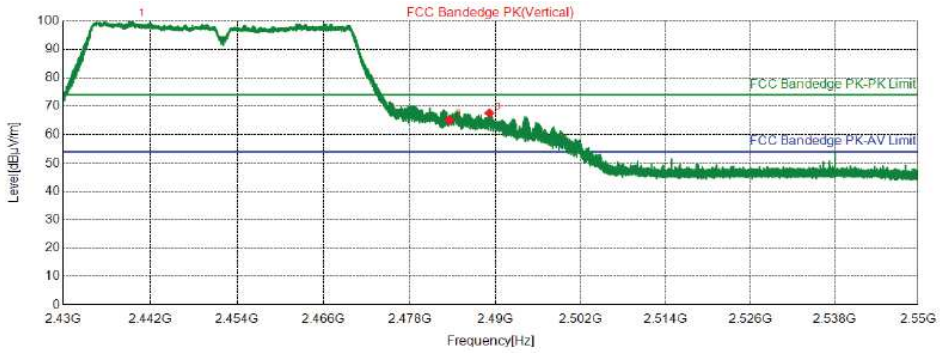
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.4200	90.20	89.06	54.00	-35.06	355	306	Horizontal	PK
2	2483.5050	45.38	44.32	54.00	9.68	355	290	Horizontal	PK
3	2485.2450	44.68	43.63	54.00	10.37	355	290	Horizontal	PK

802.11n (ht40)-2452MHz/ Vertical-PK



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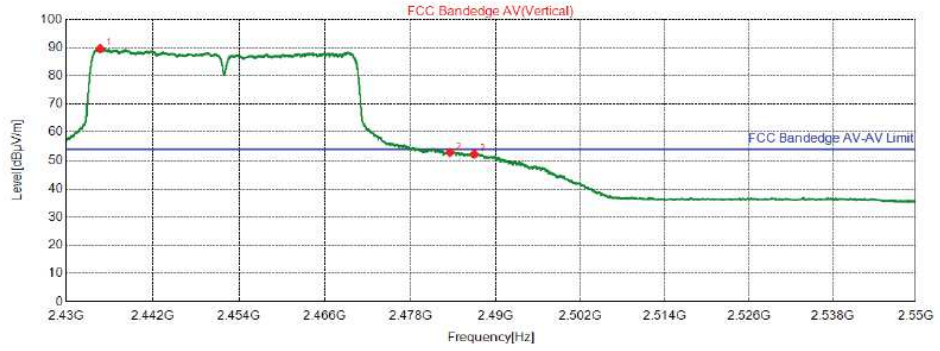
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2439.6060	101.78	100.52	74.00	-26.52	355	341	Vertical	PK
2	2483.5080	66.13	65.07	74.00	8.93	355	331	Vertical	PK
3	2489.1240	68.56	67.52	74.00	6.48	355	331	Vertical	PK

802.11n (ht40)-2452MHz/ Vertical-AV



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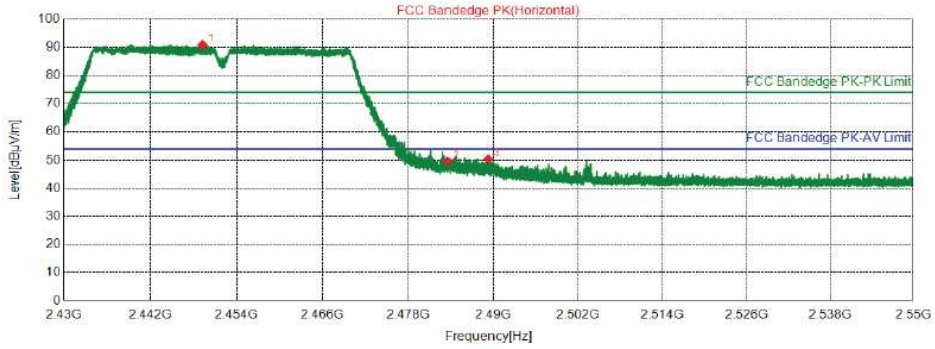
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2434.7250	90.90	89.61	54.00	-35.61	355	311	Vertical	PK
2	2483.5200	53.84	52.78	54.00	1.22	355	327	Vertical	PK
3	2486.9400	53.31	52.26	54.00	1.74	355	322	Vertical	PK

Model : Pocket WiFi V3.0-E

802.11n (ht40)-2452MHz/ Horizontal-PK



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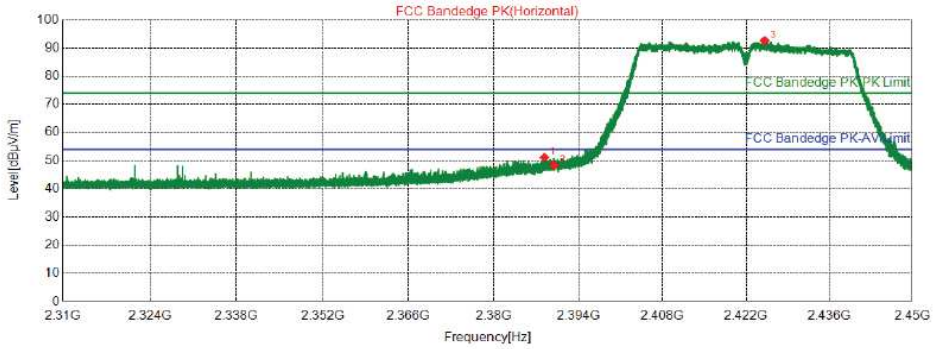
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2449.2300	92.07	90.85	74.00	-16.85	355	196	Horizontal	PK
2	2483.5200	50.77	49.71	74.00	24.29	355	137	Horizontal	PK
3	2489.2560	51.46	50.42	74.00	23.58	355	146	Horizontal	PK

802.11n (ht40)-2452MHz/ Horizontal-AV



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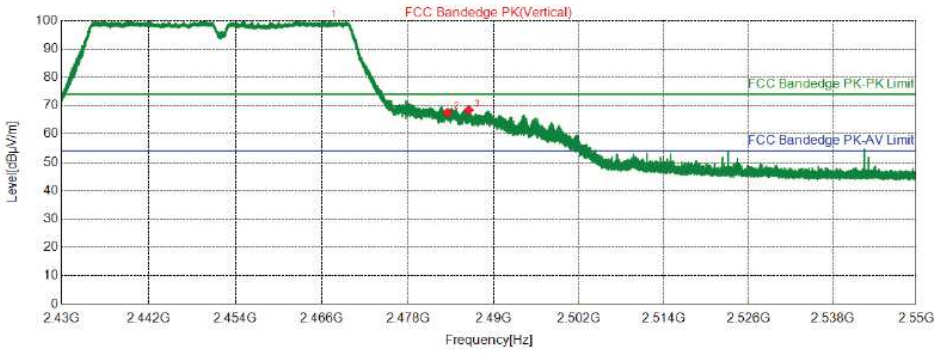
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2388.3860	52.68	51.10	74.00	22.90	355	174	Horizontal	PK
2	2390.0030	49.90	48.34	74.00	25.66	355	174	Horizontal	PK
3	2425.1010	93.96	92.62	74.00	-18.62	355	184	Horizontal	PK

802.11n (ht40)-2452MHz/ Vertical-PK



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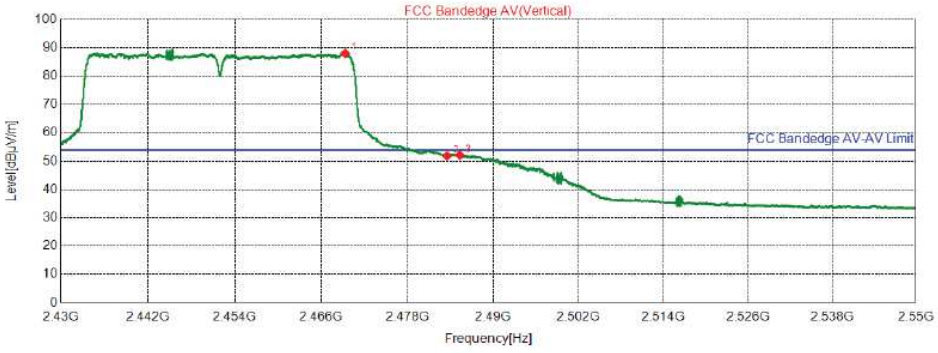
Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2466.3720	101.21	100.07	74.00	-26.07	355	275	Vertical	PK
2	2483.5200	68.60	67.54	74.00	6.46	355	334	Vertical	PK
3	2486.4780	69.47	68.42	74.00	5.58	355	275	Vertical	PK

802.11n (ht40)-2452MHz/ Vertical-AV



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Suspected List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	2469.3000	89.12	87.99	54.00	-33.99	355	280	Vertical	PK
2	2483.5200	52.95	51.89	54.00	2.11	355	346	Vertical	PK
3	2485.3200	53.19	52.14	54.00	1.86	355	346	Vertical	PK

4.8 Radiated Emission Measurement

4.8.1 Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

4.8.2 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degree 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. Both X and Y axes of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotate table was turned from 0 degree to 360 degree to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. 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 height of antenna 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

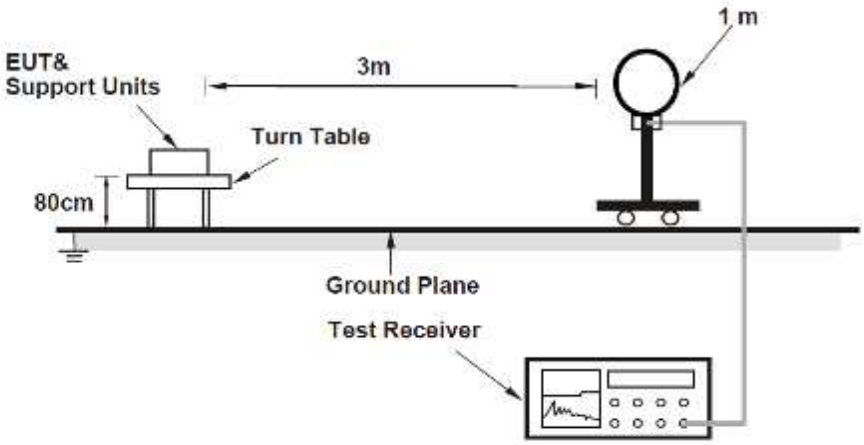
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz & 360 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1/T for RMS Average (Duty cycle < 98 %) for Peak detection at frequency above 1 GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $\geqslant$ 98 %) for Average detection (AV) at frequency above 1 GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

4.8.3 Deviation from Test Standard

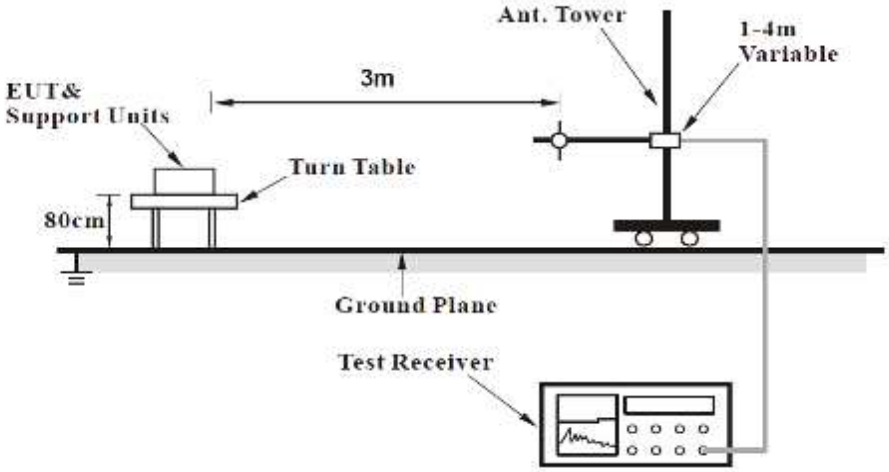
No deviation.

4.8.4 Test Setup

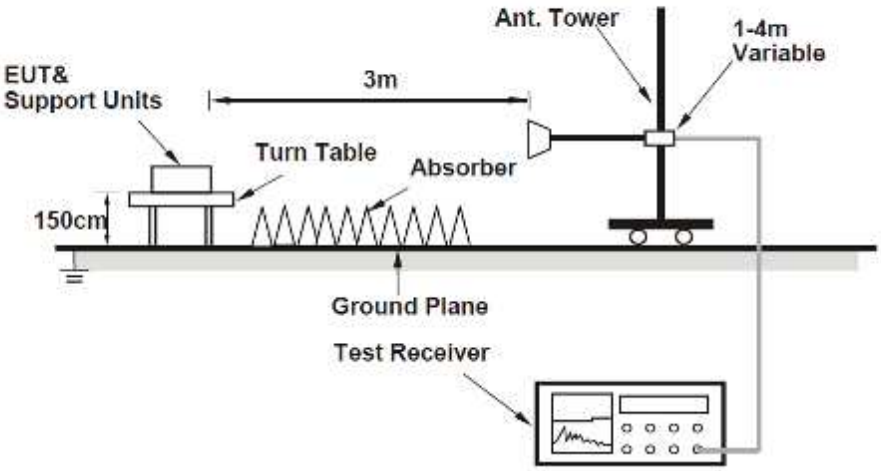
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5 EUT Operating Conditions

a. Placed the EUT on a testing table.

b. Use the software to control the EUT under transmission condition continuously at specific channel frequency.

4.8.6 Test Results

Radiated Emissions Range 9kHz~30MHz

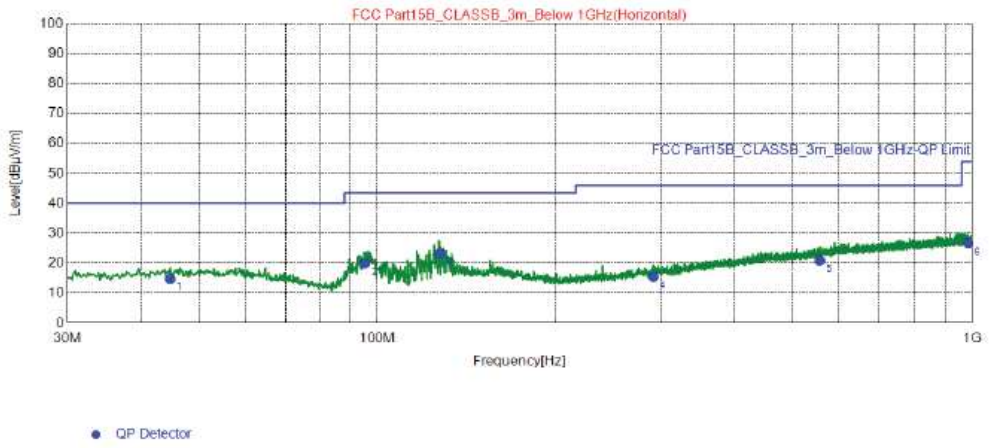
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Radiated Emissions Range 30MHz~1GHz

Below is the worst test data

Channel	WIFI_2412	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Horizontal

Test Plot:



Final Data List

NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.74	24.85	-10.09	14.76	40.00	25.24	200	87	Horizontal
2	95.18	35.37	-15.42	19.95	43.50	23.55	200	184	Horizontal
3	127.3	35.1	-11.70	23.40	43.50	20.10	100	164	Horizontal
4	291.7	24.33	-8.86	15.47	46.00	30.53	100	294	Horizontal
5	556.1	24.51	-3.54	20.97	46.00	25.03	100	109	Horizontal
6	983.8	24.38	2.21	26.59	54.00	27.41	100	354	Horizontal

REMARKS:

1. Emission Level(dBuV/m) = Spectrum reading (dBuV) + Correction Factor(dB/m)

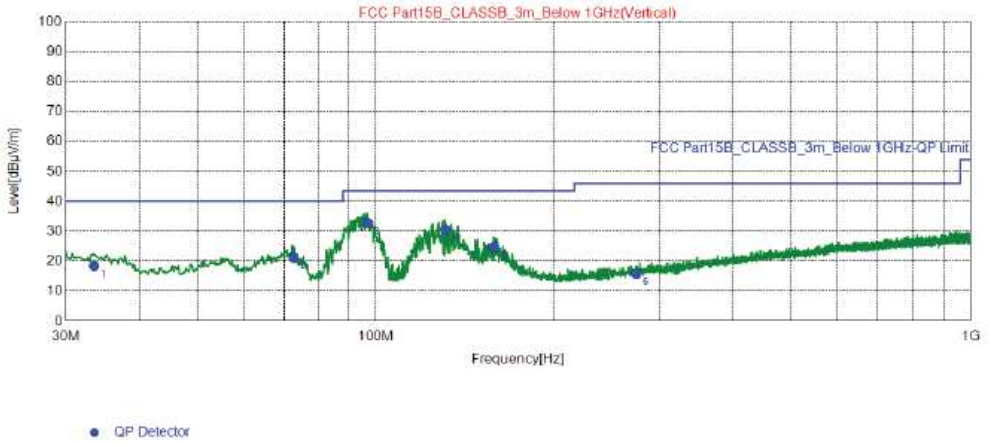
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

Channel	WIFI_2412	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Vertical

Test Plot:



Final Data List

NO.	Freq. [MHz]	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.49	29.72	-11.24	18.48	40.00	21.52	100	201	Vertical
2	72.68	33.82	-12.66	21.16	40.00	18.84	100	261	Vertical
3	96.73	48.1	-15.27	32.83	43.50	10.67	100	146	Vertical
4	130.8	41.94	-11.32	30.62	43.50	12.88	100	183	Vertical
5	158.0	34.62	-9.81	24.81	43.50	18.69	100	183	Vertical
6	274.6	25.26	-9.44	15.82	46.00	30.18	200	199	Vertical

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

Radiated Emission Range 1GHz~10th Harmonic

Model : Pocket WiFi V3.0

802.11b

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	37.26	74.00	36.74	4.94	H	PK
2	7237.3000	32.43	54.00	21.57	4.94	H	AV
3	7237.3000	39.33	74.00	34.67	4.94	V	PK
4	7237.3000	32.87	54.00	21.13	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	38.94	74.00	35.06	4.77	H	PK
2	7312.1000	32.92	54.00	21.08	4.77	H	AV
3	7312.1000	37.14	74.00	36.86	4.77	V	PK
4	7312.1000	33.53	54.00	20.47	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 11	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7386.9000	36.64	74.00	37.36	4.61	H	PK
2	7386.9000	30.40	54.00	23.60	4.61	H	AV
3	7386.9000	39.07	74.00	34.93	4.61	V	PK
4	7386.9000	33.76	54.00	20.24	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value =Limit value – Emission Level

802.11g

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	39.83	74.00	34.17	4.94	H	PK
2	7237.3000	32.31	54.00	21.69	4.94	H	AV
3	7237.3000	38.32	74.00	35.68	4.94	V	PK
4	7237.3000	32.85	54.00	21.15	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	40.31	74.00	33.69	4.77	H	PK
2	7312.1000	32.17	54.00	21.83	4.77	H	AV
3	7312.1000	39.83	74.00	34.17	4.77	V	PK
4	7312.1000	32.31	54.00	21.69	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 11	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7386.9000	38.38	74.00	35.62	4.61	H	PK
2	7386.9000	32.20	54.00	21.80	4.61	H	AV
3	7386.9000	37.36	74.00	36.64	4.61	V	PK
4	7386.9000	32.43	54.00	21.57	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

802.11n (HT20)

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	38.09	74.00	35.91	4.94	H	PK
2	7237.3000	32.82	54.00	21.18	4.94	H	AV
3	7237.3000	38.34	74.00	35.66	4.94	V	PK
4	7237.3000	33.95	54.00	20.05	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	27.79	74.00	46.21	4.77	H	PK
2	7312.1000	23.31	54.00	30.69	4.77	H	AV
3	7312.1000	37.67	74.00	36.33	4.77	V	PK
4	7312.1000	33.48	54.00	20.52	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 11	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7386.9000	36.71	74.00	37.29	4.61	H	PK
2	7386.9000	31.29	54.00	22.71	4.61	H	AV
3	7386.9000	40.24	74.00	33.76	4.61	V	PK
4	7386.9000	32.90	54.00	21.10	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

802.11n (HT40)

Channel	TX Channel 3	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7266.2000	36.74	74.00	37.26	4.94	H	PK
2	7266.2000	32.93	54.00	21.07	4.94	H	AV
3	7266.2000	38.40	74.00	35.60	4.94	V	PK
4	7266.2000	34.39	54.00	19.61	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	38.52	74.00	35.48	4.77	H	PK
2	7312.1000	32.07	54.00	21.93	4.77	H	AV
3	7312.1000	39.31	74.00	34.69	4.77	V	PK
4	7312.1000	32.95	54.00	21.05	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 9	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7356.3000	38.35	74.00	35.65	4.61	H	PK
2	7356.3000	33.81	54.00	20.19	4.61	H	AV
3	7356.3000	39.13	74.00	34.87	4.61	V	PK
4	7356.3000	30.94	54.00	23.06	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

Model : Pocket WiFi V3.0-P

802.11b

Channel	TX Channel 1	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7237.3000	38.70	74.00	35.30	4.94	H	PK
2	7237.3000	33.14	54.00	20.86	4.94	H	AV
3	7237.3000	37.89	74.00	36.11	4.94	V	PK
4	7237.3000	32.02	54.00	21.98	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7312.1000	39.79	74.00	34.21	4.77	H	PK
2	7312.1000	32.30	54.00	21.70	4.77	H	AV
3	7312.1000	36.75	74.00	37.25	4.77	V	PK
4	7312.1000	32.06	54.00	21.94	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 11	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7386.9000	36.36	74.00	37.64	4.61	H	PK
2	7386.9000	31.84	54.00	22.16	4.61	H	AV
3	7386.9000	37.27	74.00	36.73	4.61	V	PK
4	7386.9000	33.62	54.00	20.38	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value =Limit value – Emission Level

802.11g

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	37.23	74.00	36.77	4.94	H	PK
2	7237.3000	32.16	54.00	21.84	4.94	H	AV
3	7237.3000	36.82	74.00	37.18	4.94	V	PK
4	7237.3000	30.72	54.00	23.28	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	36.74	74.00	37.26	4.77	H	PK
2	7312.1000	30.75	54.00	23.25	4.77	H	AV
3	7312.1000	39.10	74.00	34.90	4.77	V	PK
4	7312.1000	32.01	54.00	21.99	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 11	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7386.9000	36.88	74.00	37.12	4.61	H	PK
2	7386.9000	30.39	54.00	23.61	4.61	H	AV
3	7386.9000	35.53	74.00	38.47	4.61	V	PK
4	7386.9000	31.12	54.00	22.88	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

802.11n (HT20)

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	35.71	74.00	38.29	4.94	H	PK
2	7237.3000	31.53	54.00	22.47	4.94	H	AV
3	7237.3000	38.02	74.00	35.98	4.94	V	PK
4	7237.3000	32.36	54.00	21.64	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	36.87	74.00	37.13	4.77	H	PK
2	7312.1000	31.65	54.00	22.35	4.77	H	AV
3	7312.1000	36.26	74.00	37.74	4.77	V	PK
4	7312.1000	30.68	54.00	23.32	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7386.9000	36.84	74.00	37.16	4.61	H	PK
2	7386.9000	29.75	54.00	24.25	4.61	H	AV
3	7386.9000	37.12	74.00	36.88	4.61	V	PK
4	7386.9000	30.57	54.00	23.43	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

802.11n (HT40)

Channel	TX Channel 3	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7266.2000	36.52	74.00	37.48	4.94	H	PK
2	7266.2000	30.54	54.00	23.46	4.94	H	AV
3	7266.2000	35.93	74.00	38.07	4.94	V	PK
4	7266.2000	31.44	54.00	22.56	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7312.1000	35.58	74.00	38.42	4.77	H	PK
2	7312.1000	31.04	54.00	22.96	4.77	H	AV
3	7312.1000	36.65	74.00	37.35	4.77	V	PK
4	7312.1000	32.82	54.00	21.18	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 9	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7356.3000	36.89	74.00	37.11	4.61	H	PK
2	7356.3000	33.34	54.00	20.66	4.61	H	AV
3	7356.3000	36.17	74.00	37.83	4.61	V	PK
4	7356.3000	31.51	54.00	22.49	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

Model : Pocket WiFi V3.0-E

802.11n (HT40)

Channel	TX Channel 3	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7266.2000	35.72	74.00	38.28	4.94	H	PK
2	7266.2000	30.10	54.00	23.90	4.94	H	AV
3	7266.2000	38.95	74.00	35.05	4.94	V	PK
4	7266.2000	31.60	54.00	22.40	4.94	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Limit value – Emission Level

Channel	TX Channel 6	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7312.1000	35.67	74.00	38.33	4.77	H	PK
2	7312.1000	29.92	54.00	24.08	4.77	H	AV
3	7312.1000	37.14	74.00	36.86	4.77	V	PK
4	7312.1000	31.10	54.00	22.90	4.77	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value =Limit value – Emission Level

Channel	TX Channel 9	**Detector Function**	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

Spurious Emission Level							
No.	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Correction Factor (dB/m)**	**Antenna Polarity**	**Detector**
1	7356.3000	35.52	74.00	38.48	4.61	H	PK
2	7356.3000	30.49	54.00	23.51	4.61	H	AV
3	7356.3000	37.11	74.00	36.89	4.61	V	PK
4	7356.3000	31.19	54.00	22.81	4.61	V	AV

REMARKS:

1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)

3. The other emission levels were very low against the limit.

4. Margin value = Limit value – Emission Level

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

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