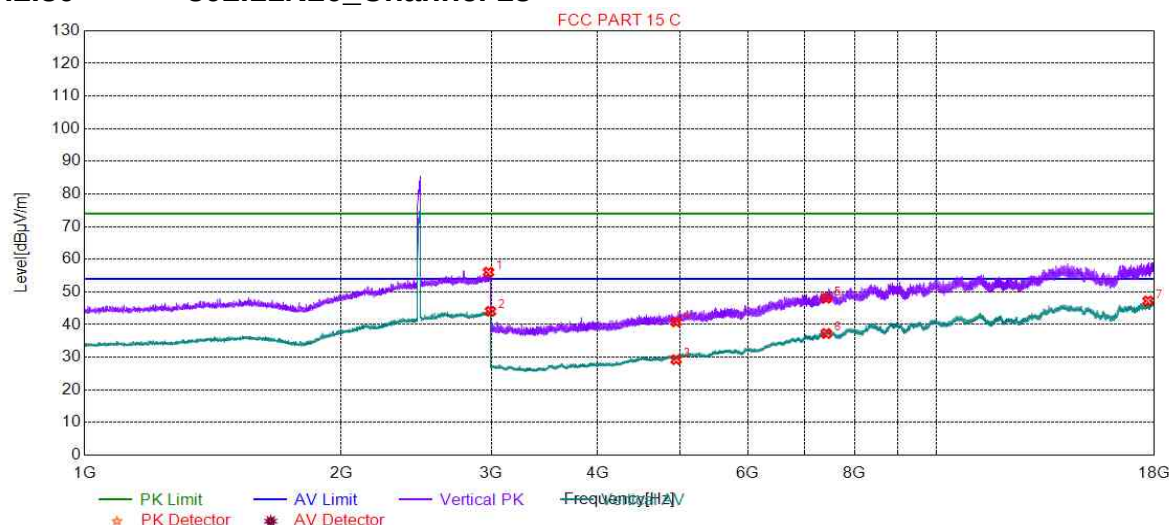


4.9.2.30 802.11N20_Channel 13



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2977.99	56.06	9.55	74.00	17.94	150	346	Vertical
2	2994.49	44.08	9.48	54.00	9.92	150	223	Vertical
3	4944.00	29.26	-17.58	54.00	24.74	150	314	Vertical
4	4944.00	40.82	-17.58	74.00	33.18	150	2	Vertical
5	7416.00	48.07	-9.44	74.00	25.93	150	219	Vertical
6	7416.00	37.28	-9.44	54.00	16.72	150	68	Vertical
7	17691.4	47.25	1.36	54.00	6.75	150	324	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. 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. So, only the peak measurements were shown in the report.
- 4) All Modes have been tested, but only the worst case data displayed in this report.

4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205
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Test Method:	ANSI C63.10: 2013 Section 11.12		
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			

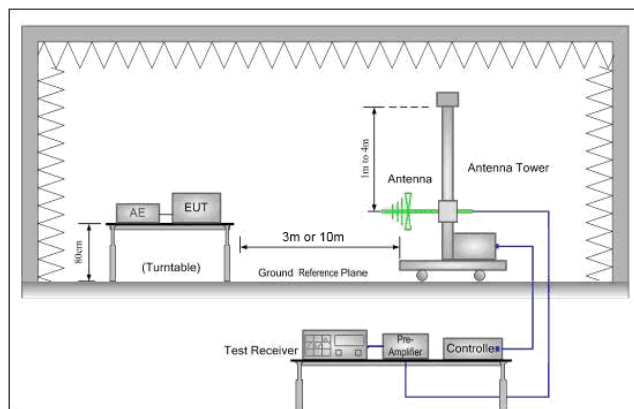


Figure 1. 30MHz to 1GHz

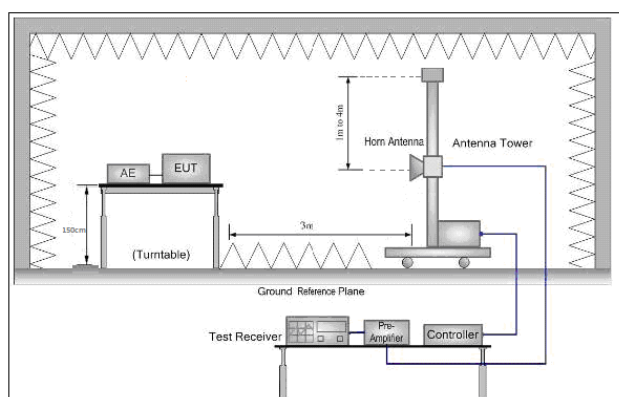


Figure 2. Above 1 GHz





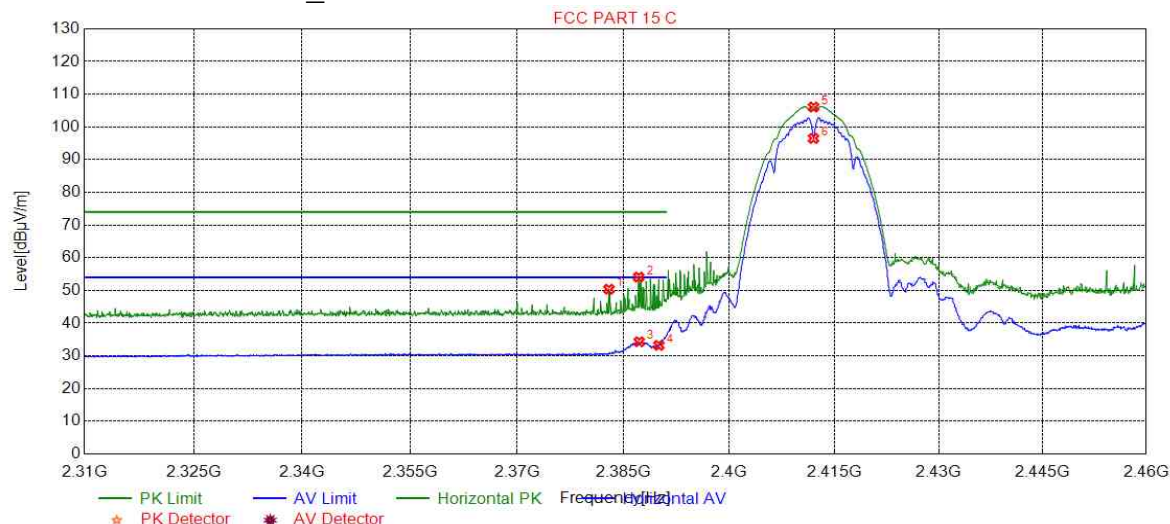
Test Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 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. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. 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. e. 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 rotating table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel. h. Test the EUT in the lowest 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 is the worst case. j. Repeat above procedures until all frequencies measured were complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.
Final Test Mode:	Pretest the EUT at Charge + Transmitting mode. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



Test plot as follows:

4.10.1 Test plots

4.10.1.1 802.11B_Channel 1



Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.93	50.40	7.78	74.00	23.60	150	198	Horizontal
2	2387.13	54.10	7.77	74.00	19.90	150	198	Horizontal
3	2387.21	34.33	7.77	54.00	19.67	150	209	Horizontal
4	2390.00	33.22	7.77	54.00	20.78	150	215	Horizontal
5	2412.00	106.09	7.81	0.00	-106.09	150	209	Horizontal
6	2412.00	96.50	7.81	0.00	-96.50	150	215	Horizontal



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Shenzhen Branch Testing Center EEC Laboratory

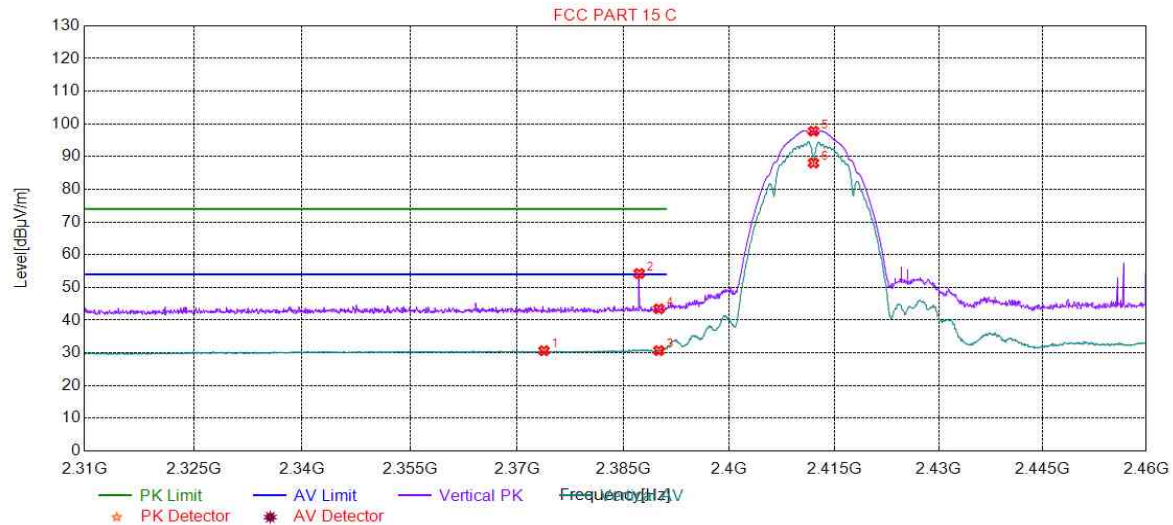
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4.10.1.2 802.11B_Channel 1

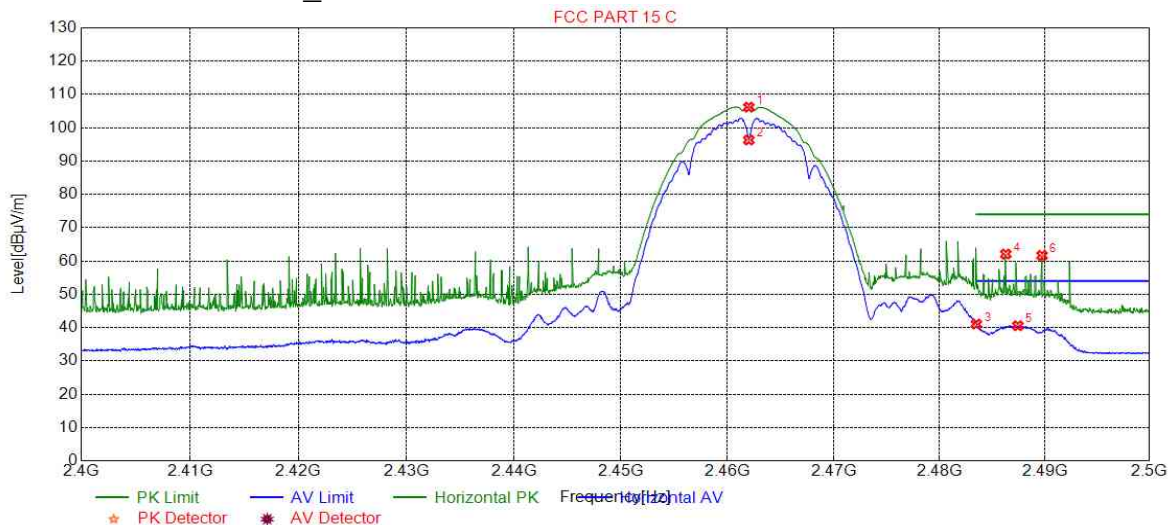


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2373.78	30.66	7.79	54.00	23.34	150	281	Vertical
2	2387.21	54.27	7.77	74.00	19.73	150	182	Vertical
3	2390.00	30.69	7.77	54.00	23.31	150	226	Vertical
4	2390.00	43.45	7.77	74.00	30.55	150	253	Vertical
5	2412.00	97.78	7.81	0.00	-97.78	150	231	Vertical
6	2412.00	88.06	7.81	0.00	-88.06	150	231	Vertical



4.10.1.3 802.11B_Channel 11



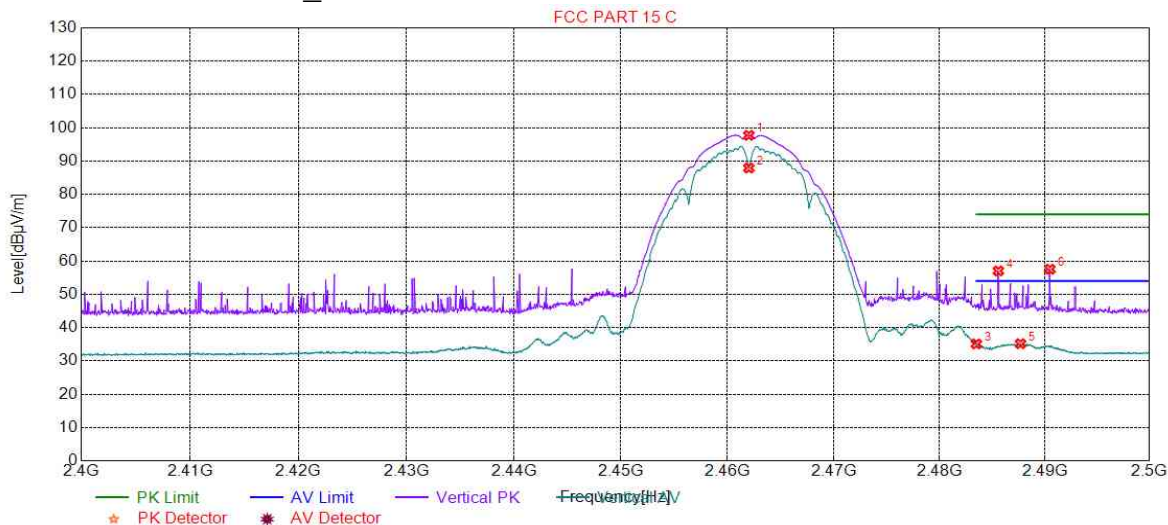
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	106.19	7.98	0.00	-106.19	150	211	Horizontal
2	2462.00	96.33	7.98	0.00	-96.33	150	216	Horizontal
3	2483.50	41.08	8.01	54.00	12.92	150	211	Horizontal
4	2486.29	62.09	8.01	74.00	11.91	150	255	Horizontal
5	2487.44	40.58	8.01	54.00	13.42	150	216	Horizontal
6	2489.74	61.66	8.02	74.00	12.34	150	222	Horizontal





4.10.1.4 802.11B_Channel 11

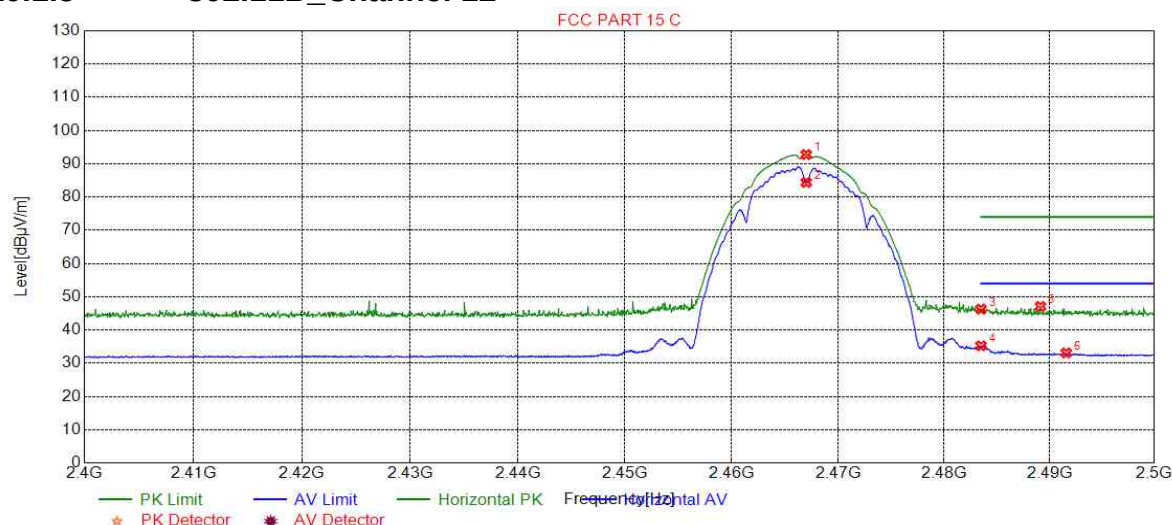


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	97.74	7.98	0.00	-97.74	150	180	Vertical
2	2462.00	87.91	7.98	0.00	-87.91	150	185	Vertical
3	2483.50	35.13	8.01	54.00	18.87	150	229	Vertical
4	2485.59	57.04	8.01	74.00	16.96	150	180	Vertical
5	2487.69	35.19	8.02	54.00	18.81	150	229	Vertical
6	2490.49	57.55	8.02	74.00	16.45	150	180	Vertical



4.10.1.5 802.11B_Channel 12

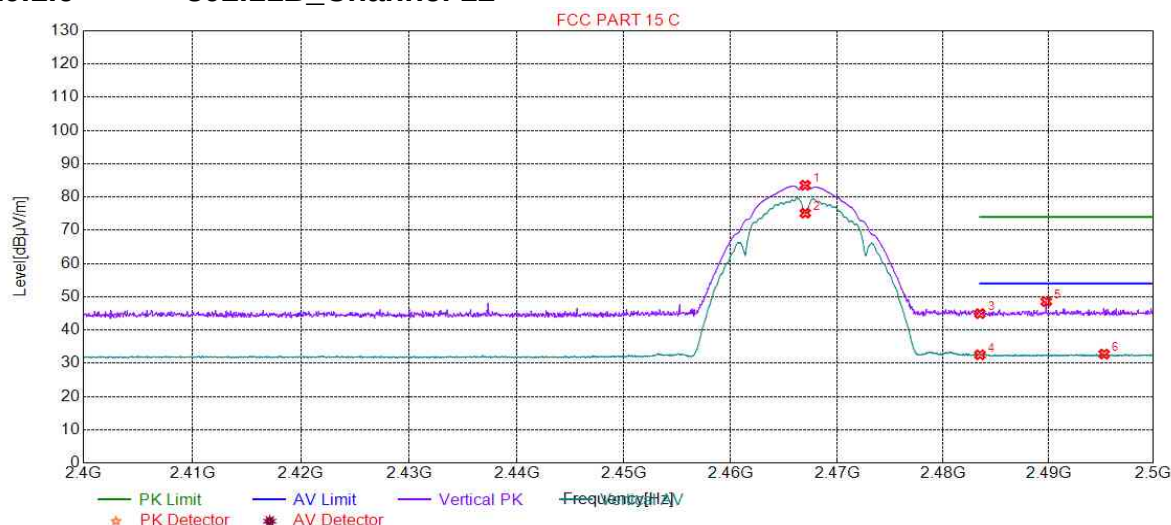


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	92.79	7.99	0.00	-92.79	150	213	Horizontal
2	2467.00	84.39	7.99	0.00	-84.39	150	213	Horizontal
3	2483.50	46.30	8.01	74.00	27.70	150	208	Horizontal
4	2483.50	35.27	8.01	54.00	18.73	150	208	Horizontal
5	2489.14	47.10	8.02	74.00	26.90	150	136	Horizontal
6	2491.59	33.13	8.02	54.00	20.87	150	219	Horizontal



4.10.1.6 802.11B_Channel 12



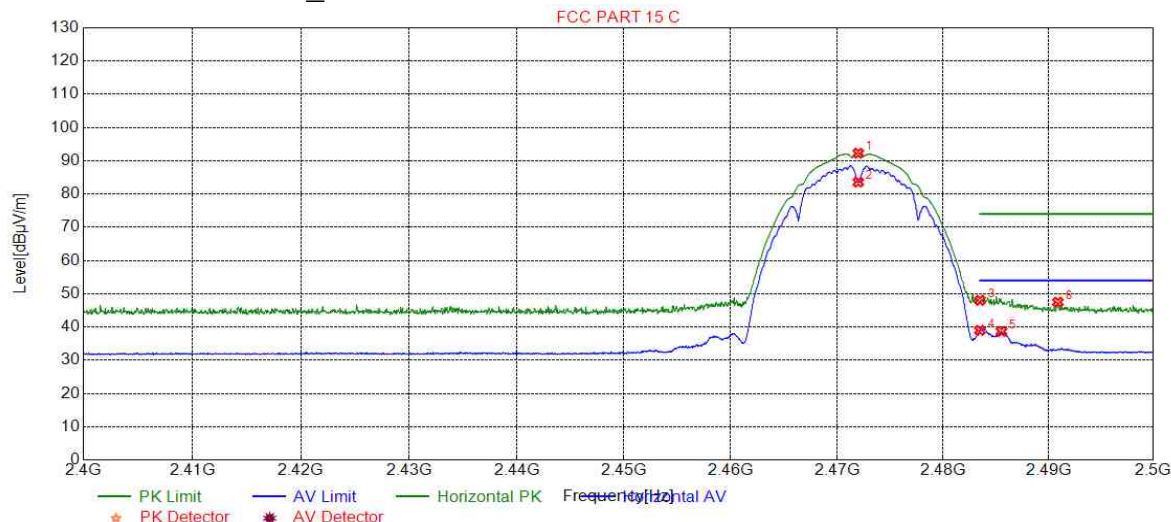
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	83.54	7.99	0.00	-83.54	150	14	Vertical
2	2467.00	75.16	7.99	0.00	-75.16	150	356	Vertical
3	2483.50	44.95	8.01	74.00	29.05	150	351	Vertical
4	2483.50	32.56	8.01	54.00	21.44	150	14	Vertical
5	2489.79	48.59	8.02	74.00	25.41	150	334	Vertical
6	2495.29	32.79	8.02	54.00	21.21	150	24	Vertical





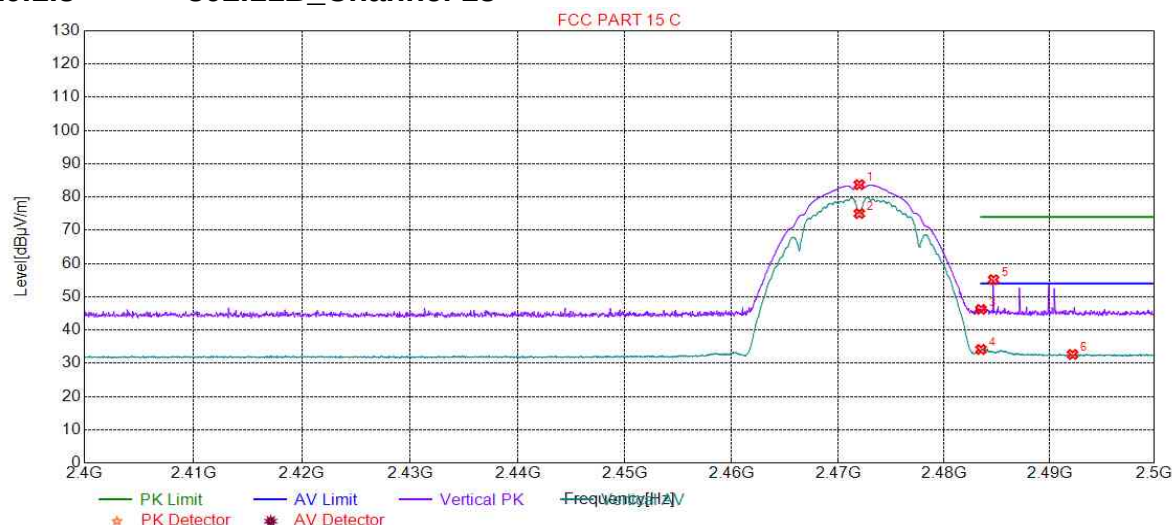
4.10.1.7 802.11B_Channel 13



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	92.29	8.00	0.00	-92.29	150	242	Horizontal
2	2472.00	83.59	8.00	0.00	-83.59	150	221	Horizontal
3	2483.50	48.05	8.01	74.00	25.95	150	221	Horizontal
4	2483.50	39.00	8.01	54.00	15.00	150	242	Horizontal
5	2485.54	38.71	8.01	54.00	15.29	150	248	Horizontal
6	2490.89	47.49	8.02	74.00	26.51	150	248	Horizontal



4.10.1.8 802.11B_Channel 13

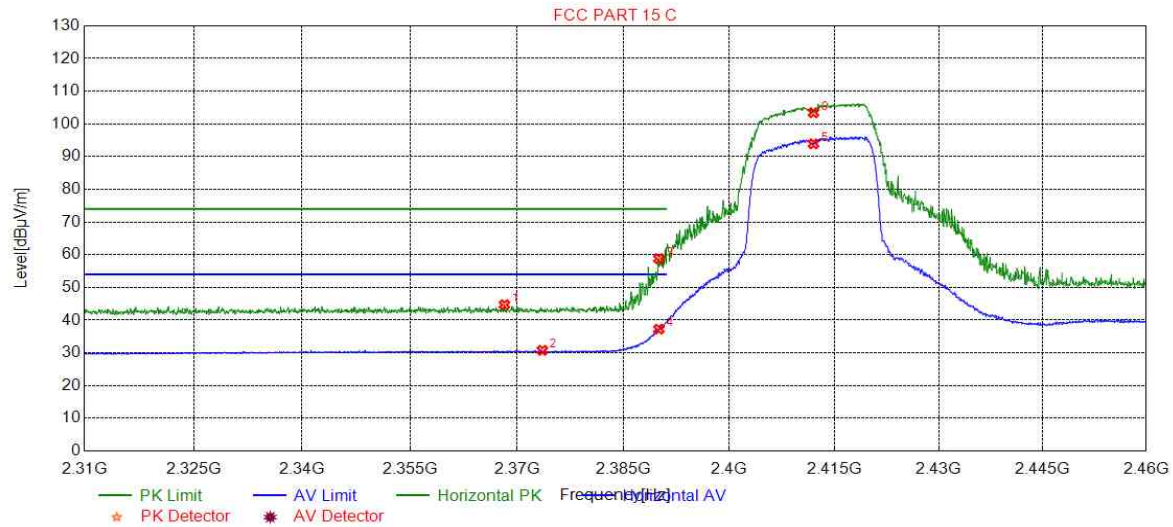


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	83.72	8.00	0.00	-83.72	150	14	Vertical
2	2472.00	75.05	8.00	0.00	-75.05	150	14	Vertical
3	2483.50	46.22	8.01	74.00	27.78	150	79	Vertical
4	2483.50	34.16	8.01	54.00	19.84	150	14	Vertical
5	2484.69	55.16	8.01	74.00	18.84	150	41	Vertical
6	2492.19	32.67	8.02	54.00	21.33	150	19	Vertical



4.10.1.9 802.11G_Channel 1



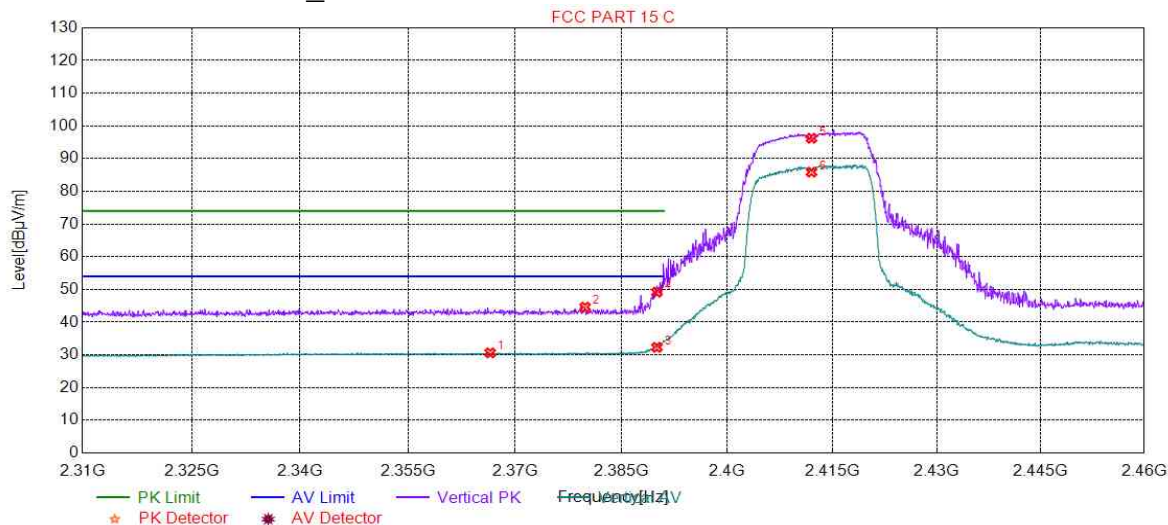
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2368.22	44.73	7.79	74.00	29.27	150	221	Horizontal
2	2373.55	30.80	7.79	54.00	23.20	150	232	Horizontal
3	2390.00	58.82	7.77	74.00	15.18	150	243	Horizontal
4	2390.00	37.27	7.77	54.00	16.73	150	216	Horizontal
5	2412.00	93.93	7.81	0.00	-93.93	150	216	Horizontal
6	2412.00	103.44	7.81	0.00	-103.44	150	210	Horizontal





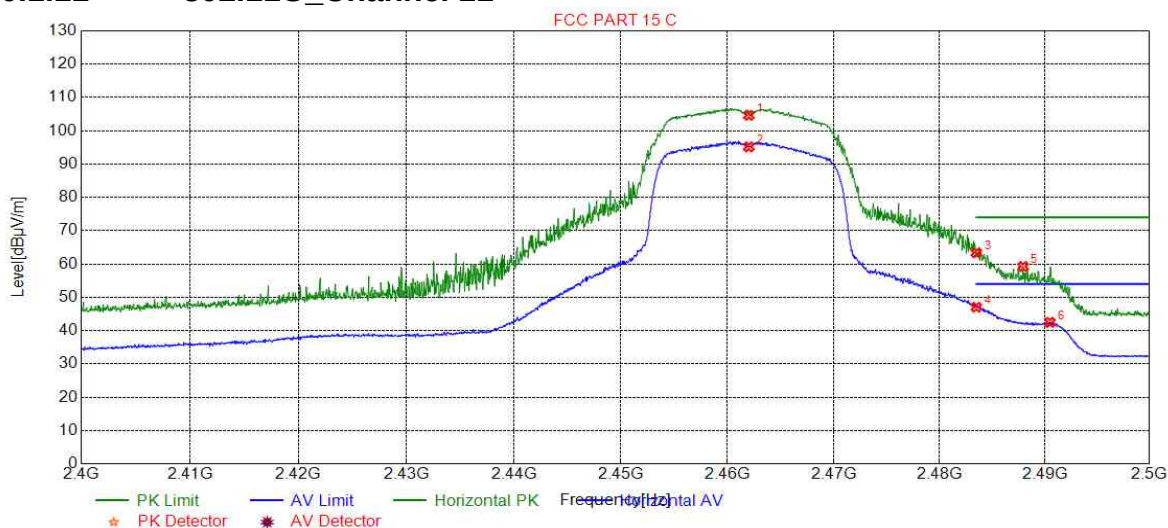
4.10.1.10 802.11G_Channel 1



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2366.50	30.62	7.79	54.00	23.38	150	182	Vertical
2	2379.85	44.62	7.78	74.00	29.38	150	347	Vertical
3	2390.00	32.31	7.77	54.00	21.69	150	227	Vertical
4	2390.00	49.18	7.77	74.00	24.82	150	182	Vertical
5	2412.00	96.25	7.81	0.00	-96.25	150	182	Vertical
6	2412.00	85.90	7.81	0.00	-85.90	150	227	Vertical



4.10.1.11 802.11G_Channel 11



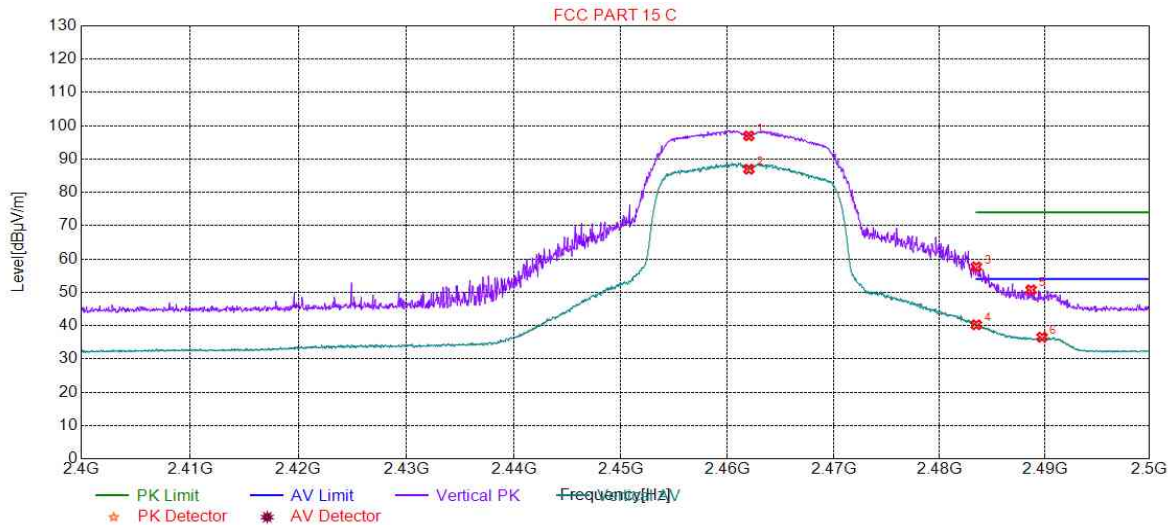
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	104.62	7.98	0.00	-104.62	150	210	Horizontal
2	2462.00	95.16	7.98	0.00	-95.16	150	216	Horizontal
3	2483.50	63.38	8.01	74.00	10.62	150	254	Horizontal
4	2483.50	47.04	8.01	54.00	6.96	150	216	Horizontal
5	2487.94	59.27	8.02	74.00	14.73	150	221	Horizontal
6	2490.49	42.52	8.02	54.00	11.48	150	216	Horizontal





4.10.1.12 802.11G_Channel 11

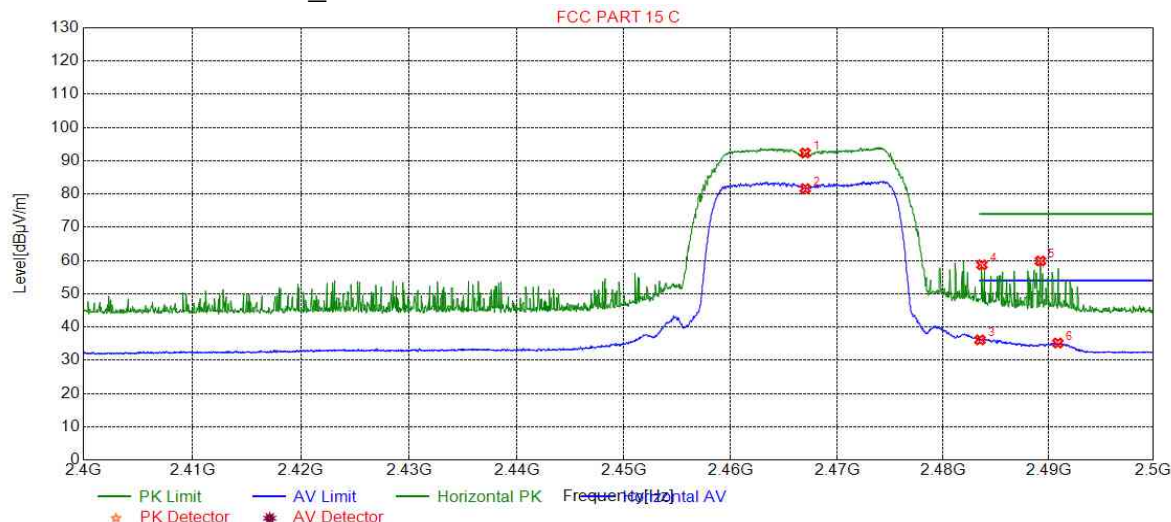


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	96.98	7.98	0.00	-96.98	150	181	Vertical
2	2462.00	86.95	7.98	0.00	-86.95	150	181	Vertical
3	2483.50	57.66	8.01	74.00	16.34	150	339	Vertical
4	2483.50	40.26	8.01	54.00	13.74	150	230	Vertical
5	2488.69	50.76	8.02	74.00	23.24	150	181	Vertical
6	2489.74	36.55	8.02	54.00	17.45	150	230	Vertical





4.10.1.13 802.11G_Channel 12

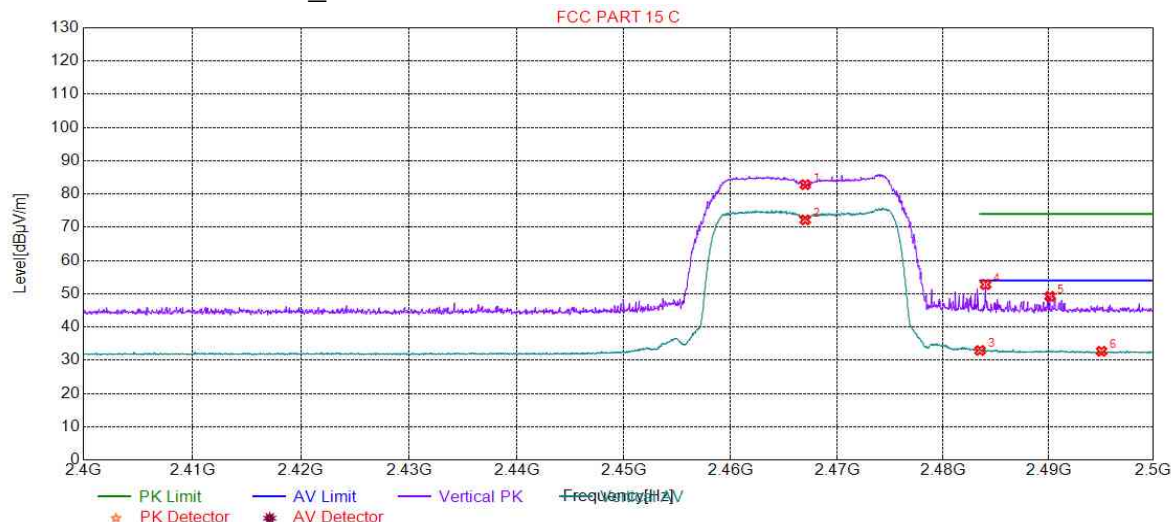


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	92.36	7.99	0.00	-92.36	150	213	Horizontal
2	2467.00	81.61	7.99	0.00	-81.61	150	213	Horizontal
3	2483.50	36.14	8.01	54.00	17.86	150	219	Horizontal
4	2483.69	58.70	8.01	74.00	15.30	150	208	Horizontal
5	2489.24	59.88	8.02	74.00	14.12	150	213	Horizontal
6	2490.89	35.20	8.02	54.00	18.80	150	213	Horizontal





4.10.1.14 802.11G_Channel 12

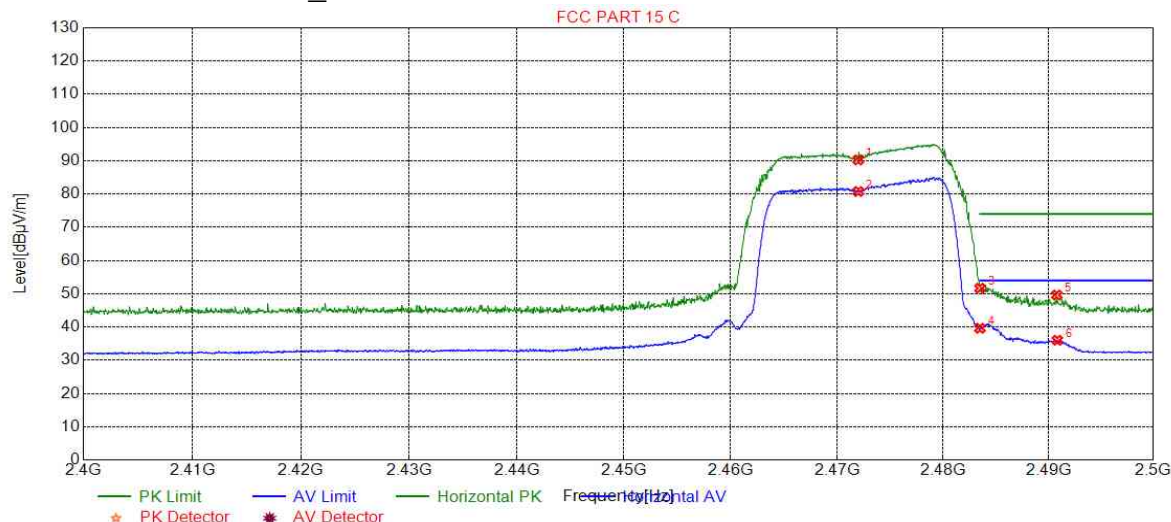


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	82.83	7.99	0.00	-82.83	150	24	Vertical
2	2467.00	72.23	7.99	0.00	-72.23	150	14	Vertical
3	2483.50	32.97	8.01	54.00	21.03	150	14	Vertical
4	2484.04	52.77	8.01	74.00	21.23	150	30	Vertical
5	2490.14	49.22	8.02	74.00	24.78	150	14	Vertical
6	2495.04	32.73	8.02	54.00	21.27	150	243	Vertical





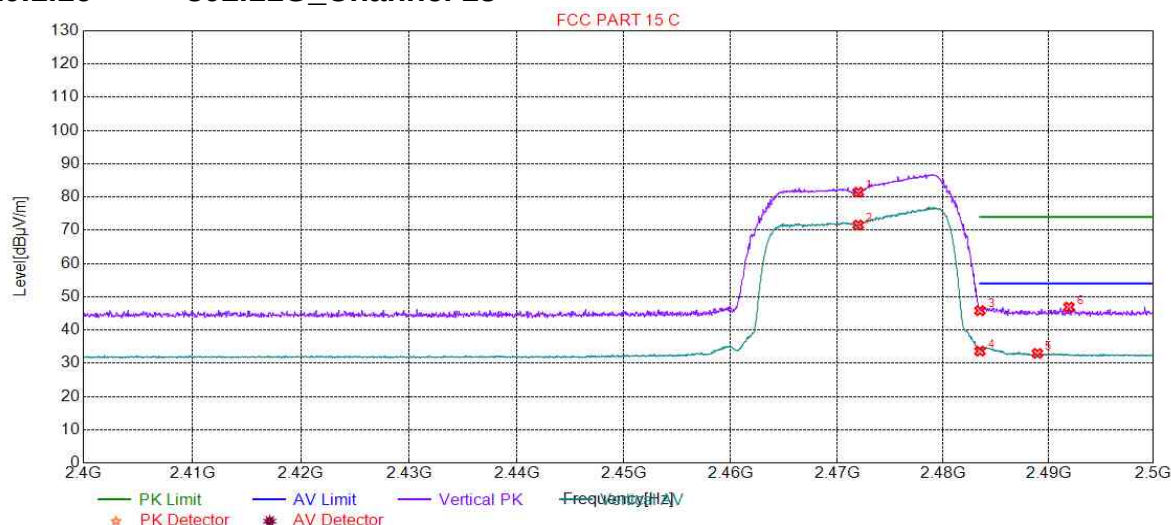
4.10.1.15 802.11G_Channel 13



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	90.27	8.00	0.00	-90.27	150	215	Horizontal
2	2472.00	80.78	8.00	0.00	-80.78	150	215	Horizontal
3	2483.50	51.69	8.01	74.00	22.31	150	242	Horizontal
4	2483.50	39.65	8.01	54.00	14.35	150	242	Horizontal
5	2490.79	49.64	8.02	74.00	24.36	150	215	Horizontal
6	2490.84	36.03	8.02	54.00	17.97	150	215	Horizontal



4.10.1.16 802.11G_Channel 13



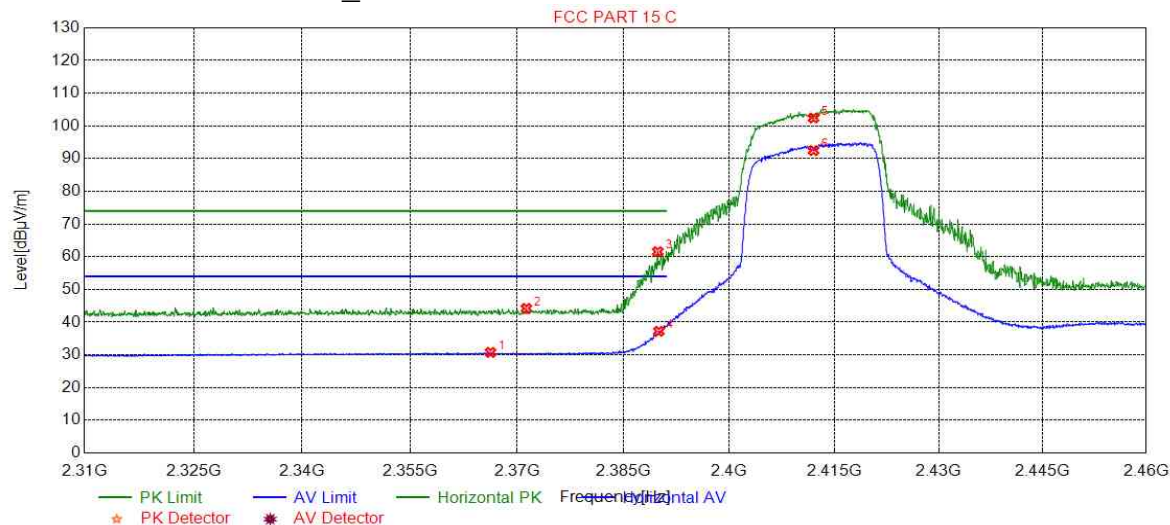
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	81.46	8.00	0.00	-81.46	150	14	Vertical
2	2472.00	71.59	8.00	0.00	-71.59	150	360	Vertical
3	2483.50	45.82	8.01	74.00	28.18	150	24	Vertical
4	2483.50	33.67	8.01	54.00	20.33	150	14	Vertical
5	2488.94	32.99	8.02	54.00	21.01	150	14	Vertical
6	2491.94	46.91	8.02	74.00	27.09	150	14	Vertical





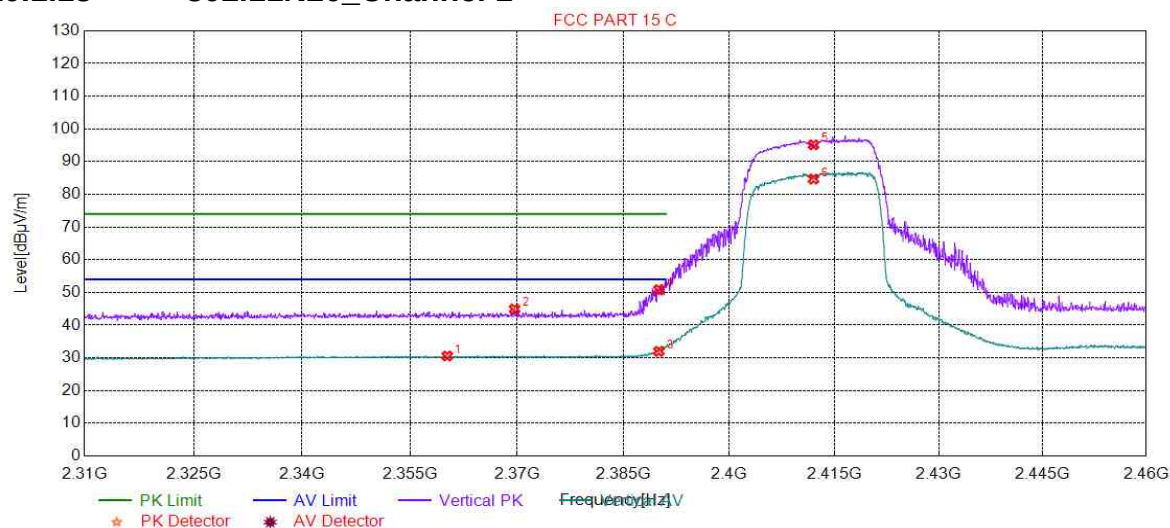
4.10.1.17 802.11N20_Channel 1



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2366.27	30.76	7.79	54.00	23.24	150	184	Horizontal
2	2371.30	44.22	7.79	74.00	29.78	150	270	Horizontal
3	2389.83	61.57	7.77	74.00	12.43	150	156	Horizontal
4	2390.00	37.22	7.77	54.00	16.78	150	216	Horizontal
5	2412.00	102.44	7.81	0.00	-102.44	150	211	Horizontal
6	2412.00	92.47	7.81	0.00	-92.47	150	216	Horizontal



4.10.1.18 802.11N20_Channel 1



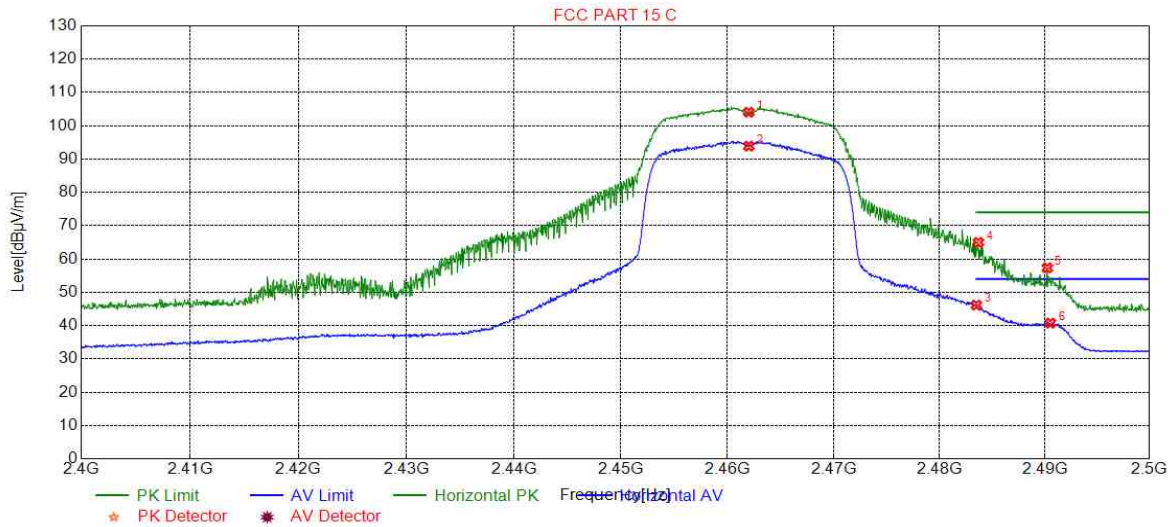
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2360.20	30.58	7.80	54.00	23.42	150	255	Vertical
2	2369.65	44.95	7.79	74.00	29.05	150	305	Vertical
3	2390.00	32.00	7.77	54.00	22.00	150	223	Vertical
4	2390.00	50.86	7.77	74.00	23.14	150	14	Vertical
5	2412.00	95.15	7.81	0.00	-95.15	150	233	Vertical
6	2412.00	84.68	7.81	0.00	-84.68	150	228	Vertical





4.10.1.19 802.11N20_Channel 11

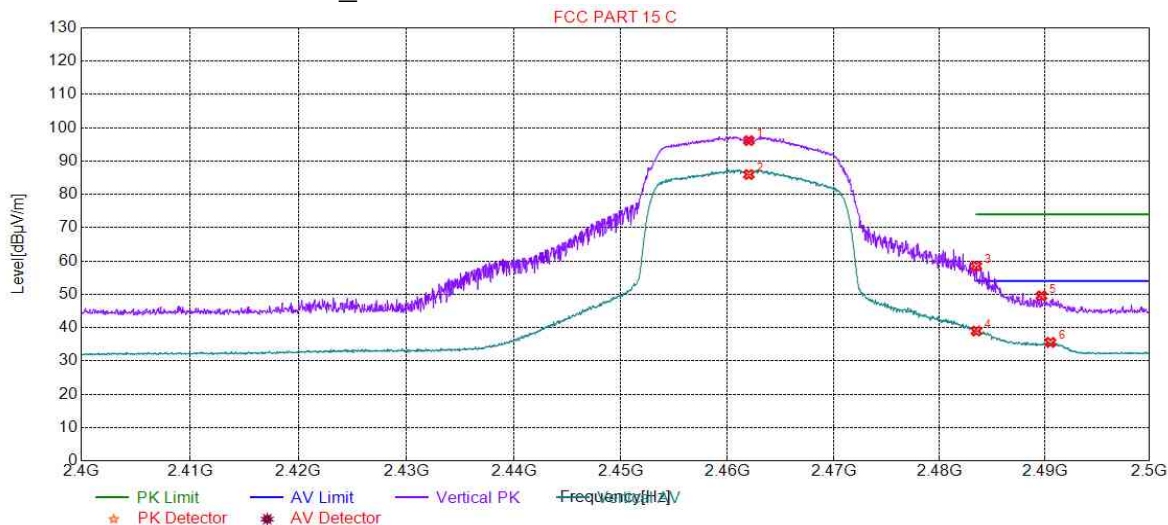


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	104.08	7.98	0.00	-104.08	150	211	Horizontal
2	2462.00	93.89	7.98	0.00	-93.89	150	216	Horizontal
3	2483.50	46.17	8.01	54.00	7.83	150	216	Horizontal
4	2483.69	65.00	8.01	74.00	9.00	150	216	Horizontal
5	2490.24	57.34	8.02	74.00	16.66	150	211	Horizontal
6	2490.54	40.77	8.02	54.00	13.23	150	222	Horizontal



4.10.1.20 802.11N20_Channel 11



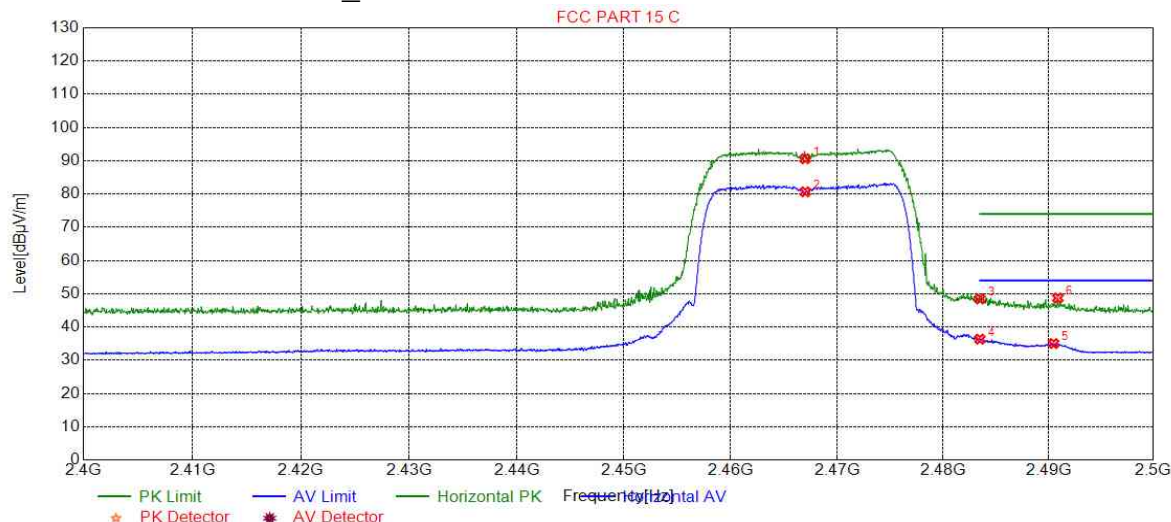
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	96.14	7.98	0.00	-96.14	150	187	Vertical
2	2462.00	85.98	7.98	0.00	-85.98	150	182	Vertical
3	2483.50	58.48	8.01	74.00	15.52	150	230	Vertical
4	2483.50	38.99	8.01	54.00	15.01	150	225	Vertical
5	2489.69	49.53	8.02	74.00	24.47	150	230	Vertical
6	2490.54	35.58	8.02	54.00	18.42	150	225	Vertical





4.10.1.21 802.11N20_Channel 12



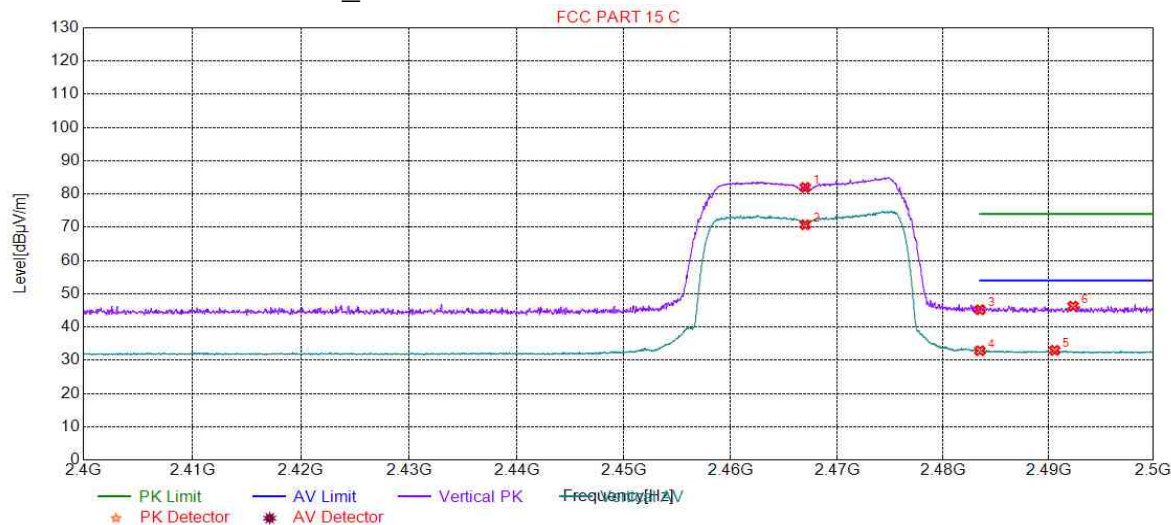
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	90.62	7.99	0.00	-90.62	150	216	Horizontal
2	2467.00	80.68	7.99	0.00	-80.68	150	243	Horizontal
3	2483.50	48.49	8.01	74.00	25.51	150	259	Horizontal
4	2483.50	36.38	8.01	54.00	17.62	150	243	Horizontal
5	2490.49	35.05	8.02	54.00	18.95	150	243	Horizontal
6	2490.89	48.74	8.02	74.00	25.26	150	216	Horizontal





4.10.1.22 802.11N20_Channel 12

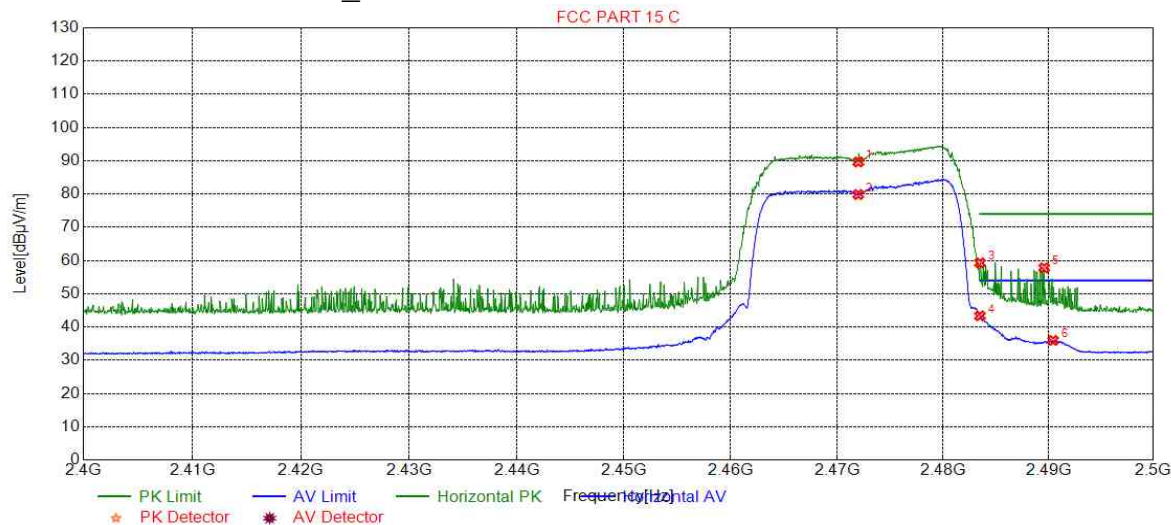


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.00	81.97	7.99	0.00	-81.97	150	14	Vertical
2	2467.00	70.78	7.99	0.00	-70.78	150	14	Vertical
3	2483.50	45.20	8.01	74.00	28.80	150	358	Vertical
4	2483.50	32.91	8.01	54.00	21.09	150	353	Vertical
5	2490.59	33.00	8.02	54.00	21.00	150	24	Vertical
6	2492.34	46.29	8.02	74.00	27.71	150	216	Vertical





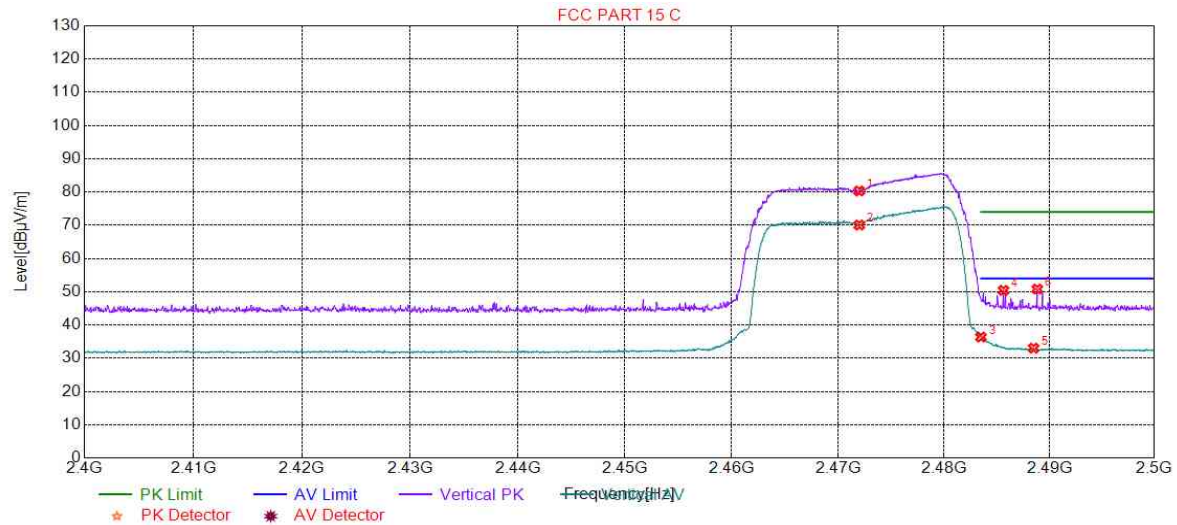
4.10.1.23 802.11N20_Channel 13



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	89.65	8.00	0.00	-89.65	150	213	Horizontal
2	2472.00	79.86	8.00	0.00	-79.86	150	224	Horizontal
3	2483.50	59.31	8.01	74.00	14.69	150	230	Horizontal
4	2483.50	43.37	8.01	54.00	10.63	150	224	Horizontal
5	2489.59	57.79	8.02	74.00	16.21	150	218	Horizontal
6	2490.44	35.98	8.02	54.00	18.02	150	224	Horizontal



4.10.1.24 802.11N20_Channel 13



Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2472.00	80.34	8.00	0.00	-80.34	150	358	Vertical
2	2472.00	70.09	8.00	0.00	-70.09	150	358	Vertical
3	2483.50	36.40	8.01	54.00	17.60	150	358	Vertical
4	2485.64	50.44	8.01	74.00	23.56	150	360	Vertical
5	2488.49	33.07	8.02	54.00	20.93	150	360	Vertical
6	2488.84	50.84	8.02	74.00	23.16	150	360	Vertical

Remark:

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 + Antenna Factor + Cable Factor – Preamplifier Factor

All Modes have been tested, but only the worst case data displayed in this report.





5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Radiated Spurious emission test	±4.5dB (30MHz-1GHz)
		±4.8dB (1GHz-25GHz)
5	Conduct emission test	±3.12 dB (9KHz- 30MHz)
6	Temperature test	±1°C
7	Humidity test	±3%
8	DC and low frequency voltages	±0.5%



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6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2020/5/10	2023/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2020/7/14	2021/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2020/4/1	2021/3/31
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2020/6/12	2021/6/11
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2020/2/11	2021/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2020/3/2	2021/3/1

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
DC Power Supply	Agilent Technologies Inc	66311B	W009-09	2020/7/15	2021/7/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/1/3	2021/1/2
Coaxial Cable	SGS	N/A	SEM031-01	2020/6/12	2021/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2020/7/14	2021/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2020/10/27	2021/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/14



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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal. Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Measurement Software	AUDIX	e3V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020/6/12	2021/6/11
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2020/3/12	2021/3/11
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2020/6/27	2023/6/26
Horn Antenna (0.8-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Pre-amplifier(0.1-1.3GHz)	HP	8447D	SEM005-02	2020/7/14	2021/7/14
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2019/9/3	2020/9/2
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2020/3/2	2021/3/1
Band filter	N/A	N/A	SEM023-01	N/A	N/A
RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal. Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020/8/5	2023/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2020/6/12	2021/6/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2020/7/14	2021/7/14
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2020/6/27	2023/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2020/3/2	2021/3/1



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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2020/3/2	2021/3/1
Trilog-Broadband Antenna(25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2020/3/15	2022/3/14
Pre-amplifier (9k-1GHz)	Sonoma	310N	SEM005-03	2020/3/12	2021/3/11
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2020/6/12	2021/6/11



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7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of Set-Up for ZR/2020/70006.

The End



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