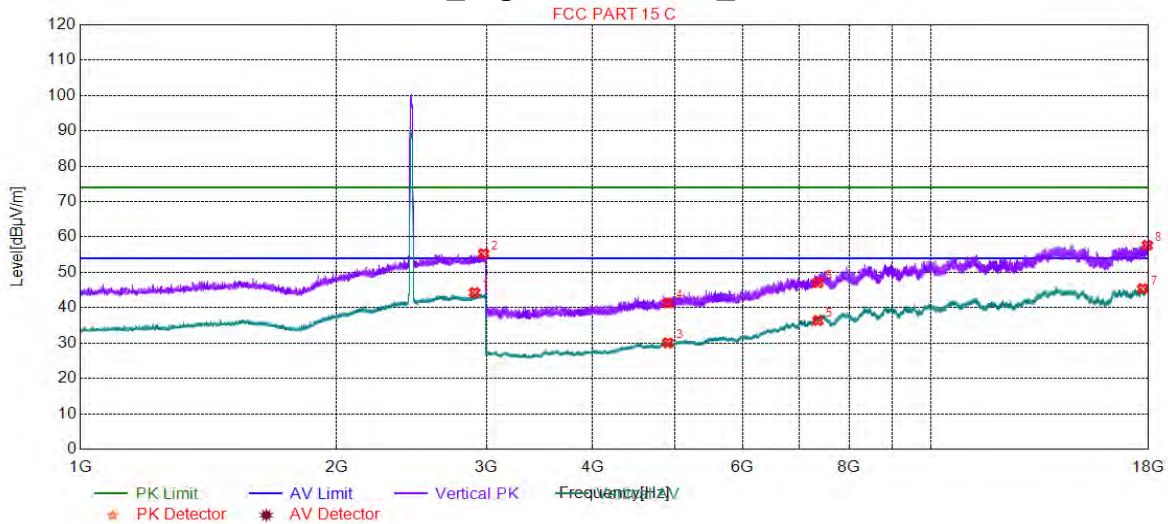


4.9.2.1.36 802.11AX40MIMO_Highest Channel_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2905.9765	44.29	9.20	54.00	9.71	150	266	Vertical
2	2977.9945	55.29	9.55	74.00	18.71	150	183	Vertical
3	4904.0000	30.07	-17.85	54.00	23.93	150	122	Vertical
4	4904.0000	41.33	-17.85	74.00	32.67	150	177	Vertical
5	7356.0000	36.36	-9.62	54.00	17.64	150	170	Vertical
6	7356.0000	47.06	-9.62	74.00	26.94	150	321	Vertical
7	17709.035	45.38	1.18	54.00	8.62	150	18	Vertical
8	17936.746	57.66	0.70	74.00	16.34	150	270	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.



4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
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:			

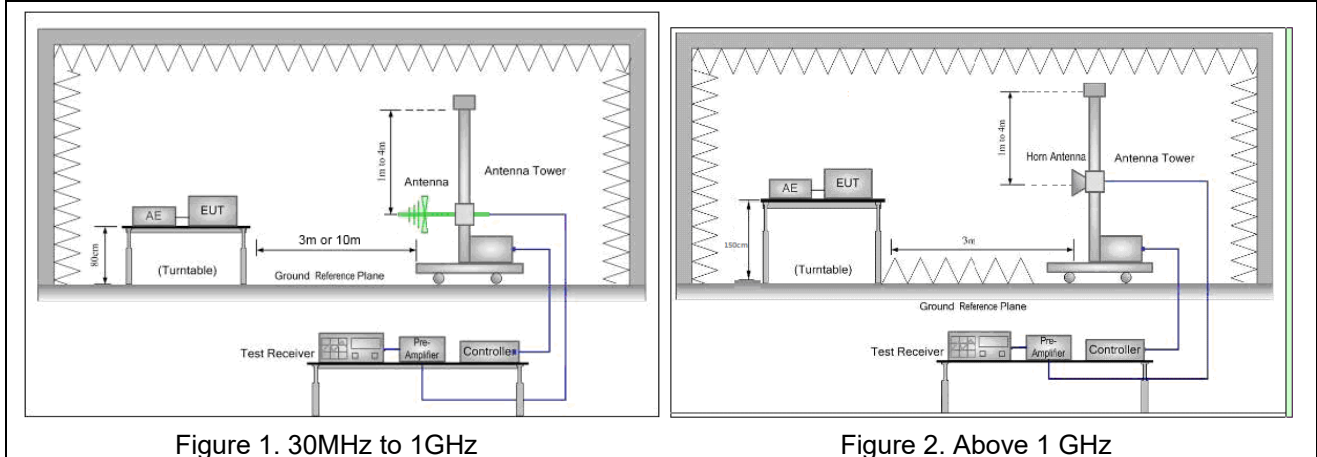


Figure 1. 30MHz to 1GHz

Figure 2. Above 1 GHz



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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012063 f (86-755) 26710594 sgs.china@sgs.com

<p>Test Procedure:</p>	<ul style="list-style-type: none"> 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 it is worse case. j. Repeat above procedures until all frequencies measured was complete.
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.</p>
<p>Final Test Mode:</p>	<p>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 ; MCS0 of rate is the worst case of 802.11N(HT20); MCS0 of rate is the worst case of 802.11N(HT40). MCS0 of rate is the worst case of 802.11AX(HT20). MCS0 of rate is the worst case of 802.11AX(HT40). Only the worst case is recorded in the report.</p>
<p>Instruments Used:</p>	<p>Refer to section 5.10 for details</p>
<p>Test Results:</p>	<p>Pass</p>



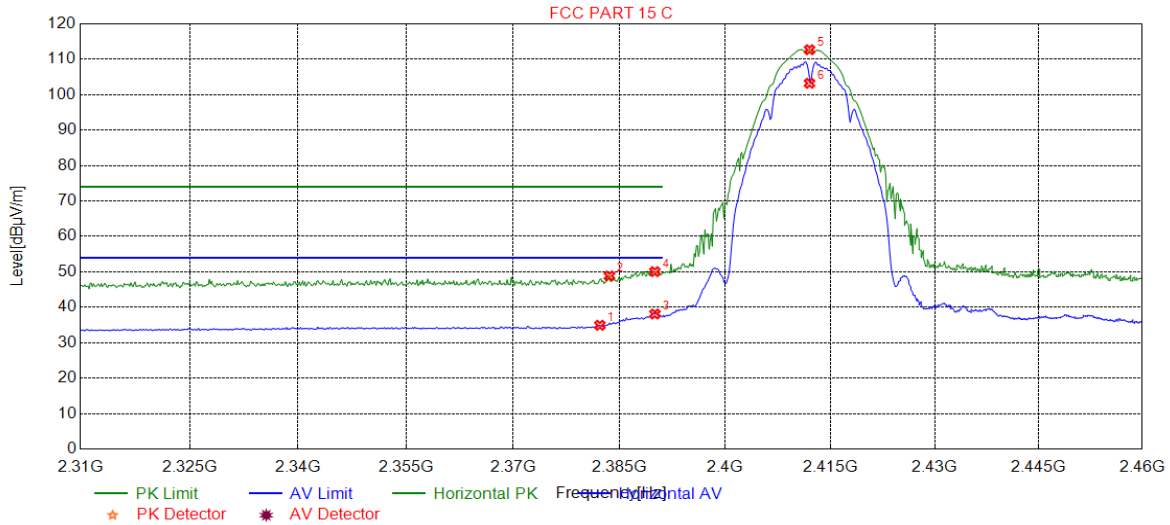
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Test plot as follows:

4.10.1 CDD & MIMO

4.10.1.1.1 802.11B_Lowest Channel_Horizontal



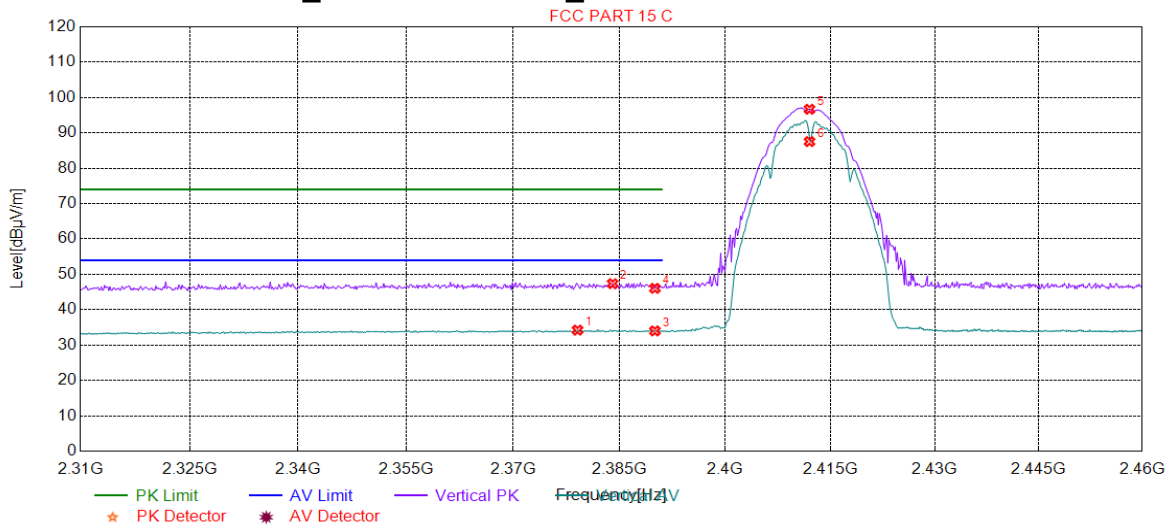
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.2222	34.93	7.78	54.00	19.07	150	55	Horizontal
2	2383.5736	48.85	7.78	74.00	25.15	150	51	Horizontal
3	2390.0000	38.10	7.77	54.00	15.90	150	64	Horizontal
4	2390.0000	50.06	7.77	74.00	23.94	150	35	Horizontal
5	2412.0000	112.69	7.81	0.00	-112.69	150	55	Horizontal
6	2412.0000	103.22	7.81	0.00	-103.22	150	55	Horizontal



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4.10.1.1.2 802.11B_Lowest Channel_Vertical



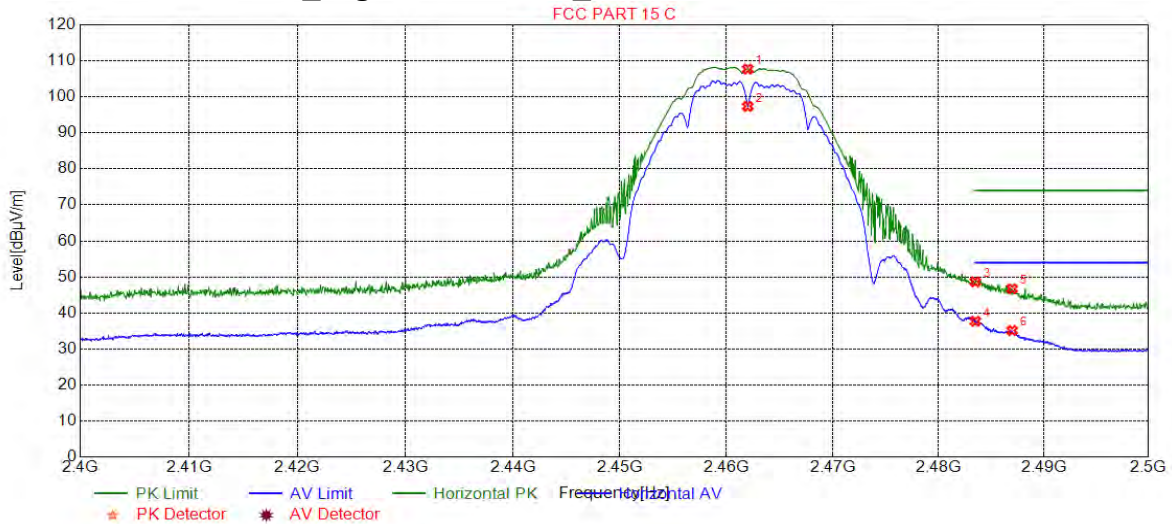
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.0691	34.23	7.78	54.00	19.77	150	113	Vertical
2	2384.0240	47.37	7.78	74.00	26.63	150	50	Vertical
3	2390.0000	34.01	7.77	54.00	19.99	150	205	Vertical
4	2390.0000	46.05	7.77	74.00	27.95	150	342	Vertical
5	2412.0000	96.69	7.81	0.00	-96.69	150	175	Vertical
6	2412.0000	87.54	7.81	0.00	-87.54	150	175	Vertical



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4.10.1.1.3 802.11B_Highest Channel_Horizontal



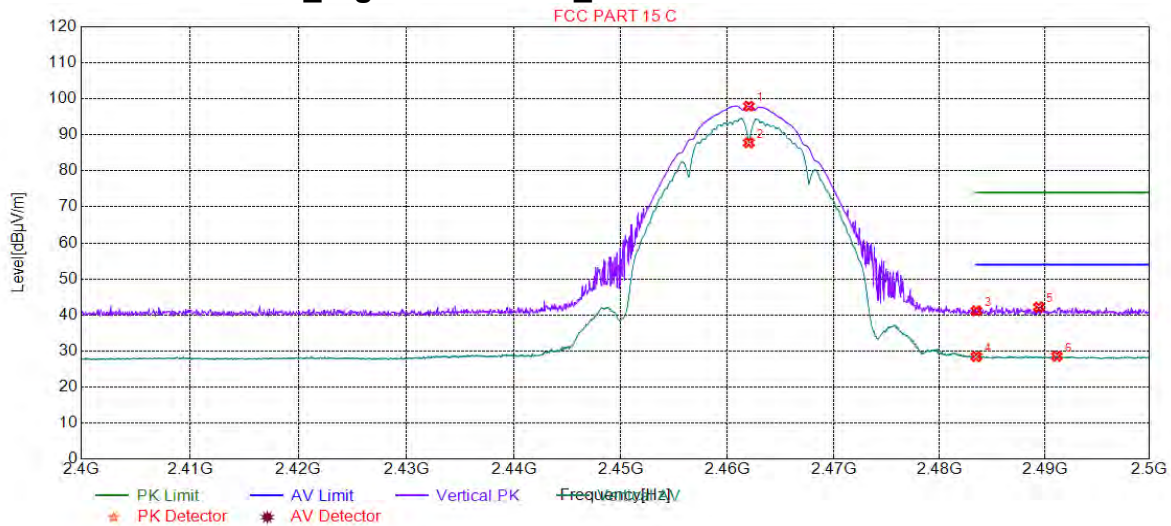
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	107.71	7.98	0.00	-107.71	150	204	Horizontal
2	2462.0000	97.34	7.98	0.00	-97.34	150	188	Horizontal
3	2483.5000	48.64	8.01	74.00	25.36	150	63	Horizontal
4	2483.5000	37.71	8.01	54.00	16.29	150	63	Horizontal
5	2486.9935	46.72	8.01	74.00	27.28	150	74	Horizontal
6	2486.9935	35.13	8.01	54.00	18.87	150	209	Horizontal



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4.10.1.1.4 802.11B_Highest Channel_Vertical

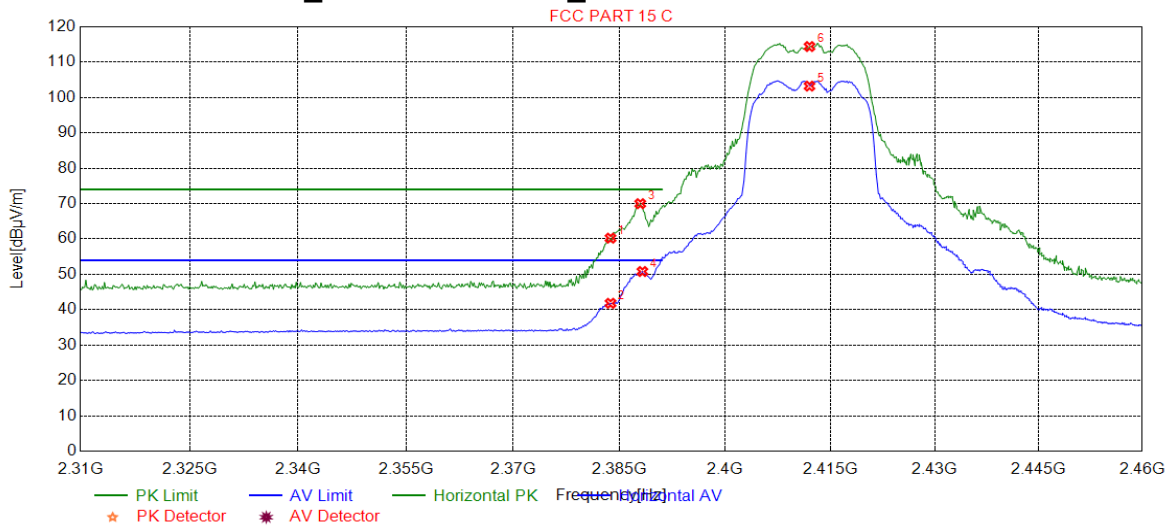


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	97.95	7.98	0.00	-97.95	150	331	Vertical
2	2462.0000	87.82	7.98	0.00	-87.82	150	331	Vertical
3	2483.5000	41.15	8.01	74.00	32.85	150	102	Vertical
4	2483.5000	28.45	8.01	54.00	25.55	150	331	Vertical
5	2489.4447	42.19	8.02	74.00	31.81	150	75	Vertical
6	2491.1456	28.55	8.02	54.00	25.45	150	179	Vertical



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4.10.1.1.5 802.11G_Lowest Channel_Horizontal



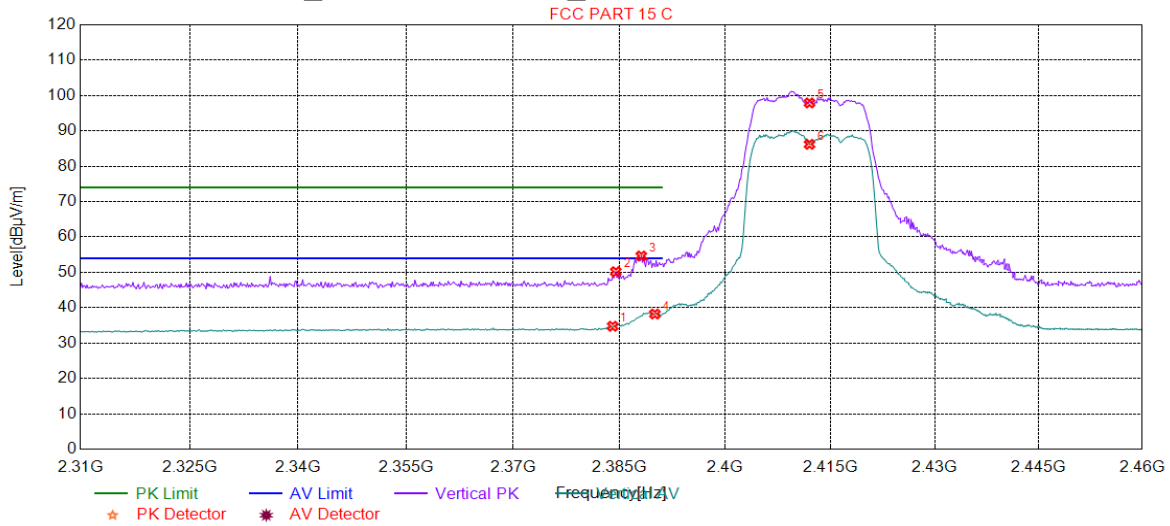
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2383.7237	60.24	7.78	74.00	13.76	150	212	Horizontal
2	2383.7237	41.82	7.78	54.00	12.18	150	208	Horizontal
3	2387.9279	69.98	7.77	74.00	4.02	150	208	Horizontal
4	2388.2282	50.80	7.77	54.00	3.20	150	204	Horizontal
5	2412.0000	103.22	7.81	0.00	-103.22	150	208	Horizontal
6	2412.0000	114.41	7.81	0.00	-114.41	150	212	Horizontal



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4.10.1.1.6 802.11G_Lowest Channel_Vertical



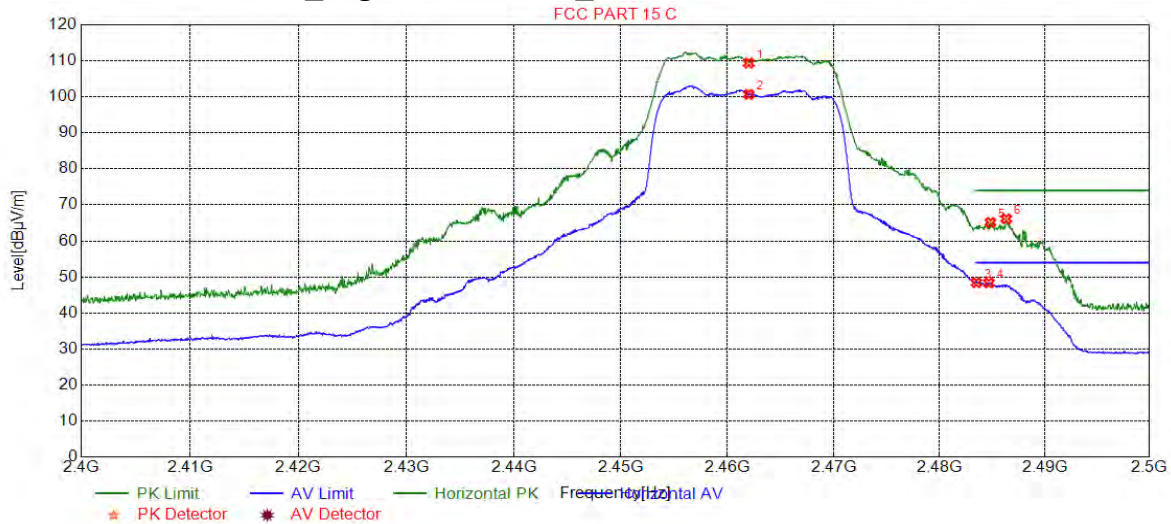
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.0240	34.76	7.78	54.00	19.24	150	191	Vertical
2	2384.4745	50.19	7.78	74.00	23.81	150	191	Vertical
3	2388.0781	54.63	7.77	74.00	19.37	150	26	Vertical
4	2390.0000	38.22	7.77	54.00	15.78	150	195	Vertical
5	2412.0000	97.91	7.81	0.00	-97.91	150	195	Vertical
6	2412.0000	86.21	7.81	0.00	-86.21	150	200	Vertical



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4.10.1.1.7 802.11G_Highest Channel_Horizontal



Suspected List

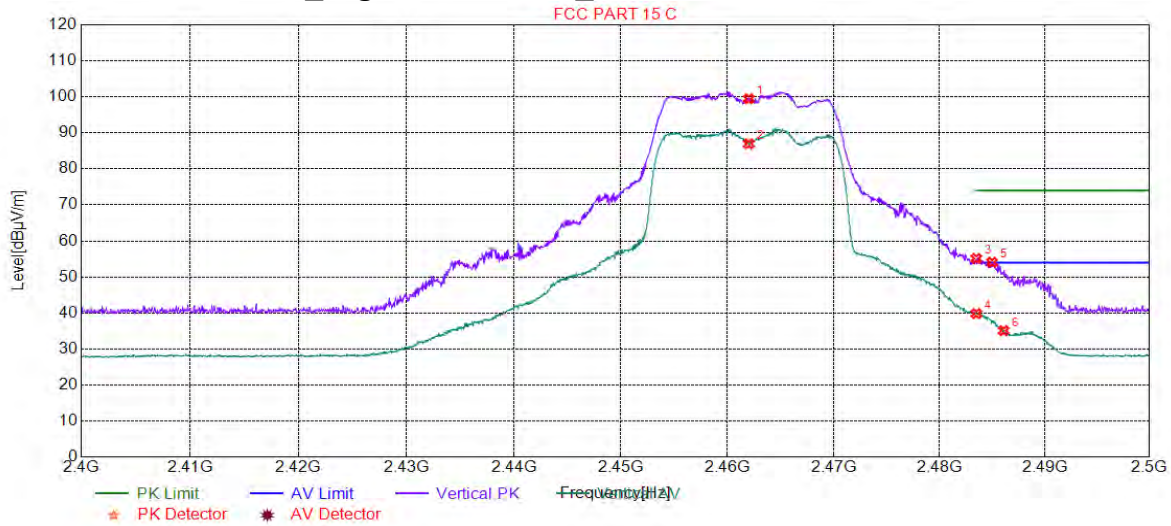
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	109.39	7.98	0.00	-109.39	150	63	Horizontal
2	2462.0000	100.68	7.98	0.00	-100.68	150	69	Horizontal
3	2483.5000	48.42	8.01	54.00	5.58	150	255	Horizontal
4	2484.6923	48.35	8.01	54.00	5.65	150	304	Horizontal
5	2484.8424	65.13	8.01	74.00	8.87	150	299	Horizontal
6	2486.3432	66.13	8.01	74.00	7.87	150	24	Horizontal



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4.10.1.1.8 802.11G_Highest Channel_Vertical



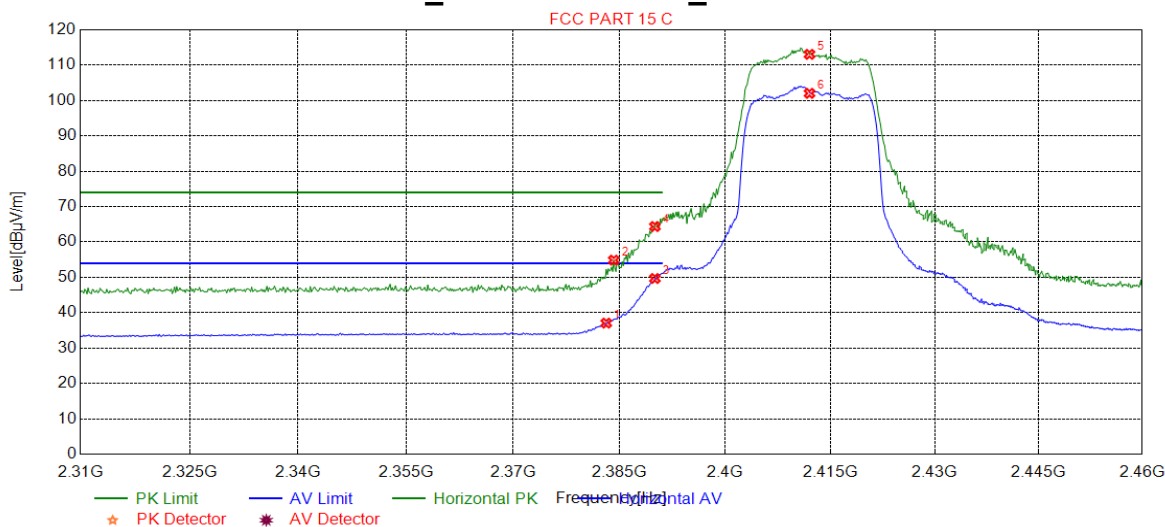
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	99.46	7.98	0.00	-99.46	150	201	Vertical
2	2462.0000	86.95	7.98	0.00	-86.95	150	206	Vertical
3	2483.5000	55.13	8.01	74.00	18.87	150	201	Vertical
4	2483.5000	39.82	8.01	54.00	14.18	150	206	Vertical
5	2484.9925	54.07	8.01	74.00	19.93	150	201	Vertical
6	2486.0930	35.10	8.01	54.00	18.90	150	206	Vertical



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4.10.1.1.9 802.11N20MIMO_Lowest Channel_Horizontal



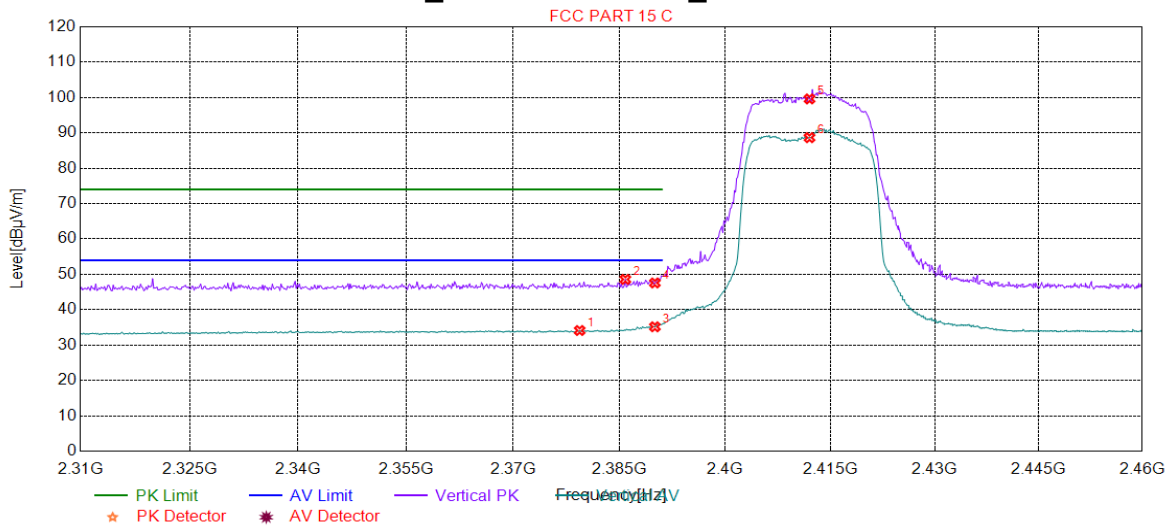
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2383.1231	37.07	7.78	54.00	16.93	150	54	Horizontal
2	2384.1742	54.88	7.78	74.00	19.12	150	249	Horizontal
3	2390.0000	49.68	7.77	54.00	4.32	150	46	Horizontal
4	2390.0000	64.37	7.77	74.00	9.63	150	50	Horizontal
5	2412.0000	113.06	7.81	0.00	-113.06	150	46	Horizontal
6	2412.0000	102.03	7.81	0.00	-102.03	150	50	Horizontal



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4.10.1.1.10 802.11N20MIMO_Lowest Channel_Vertical



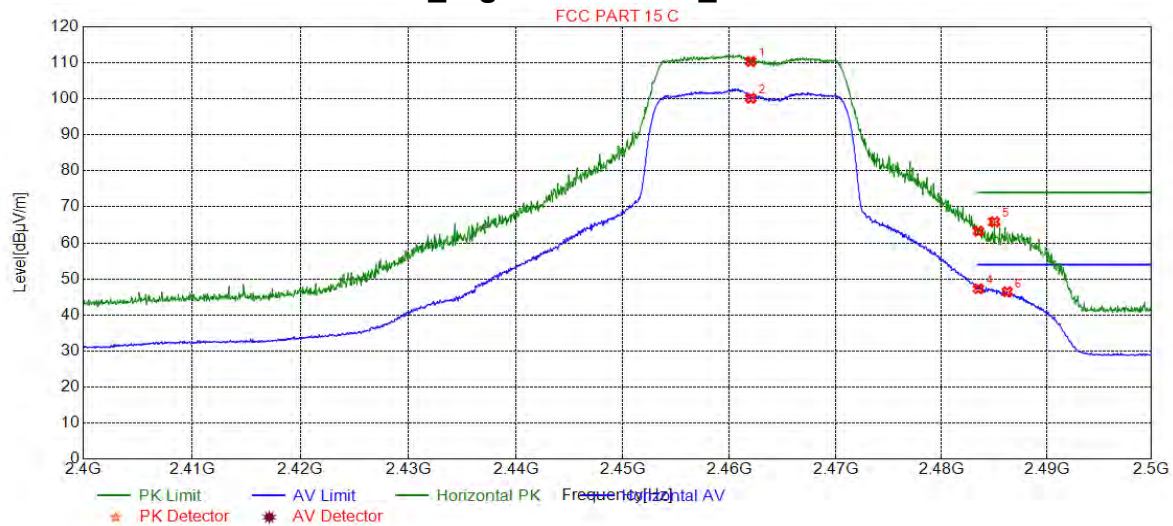
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.3694	34.13	7.78	54.00	19.87	150	215	Vertical
2	2385.8258	48.58	7.77	74.00	25.42	150	163	Vertical
3	2390.0000	35.17	7.77	54.00	18.83	150	14	Vertical
4	2390.0000	47.57	7.77	74.00	26.43	150	284	Vertical
5	2412.0000	99.60	7.81	0.00	-99.60	150	179	Vertical
6	2412.0000	88.65	7.81	0.00	-88.65	150	179	Vertical



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4.10.1.1.11 802.11N20MIMO_Highest Channel_Horizontal



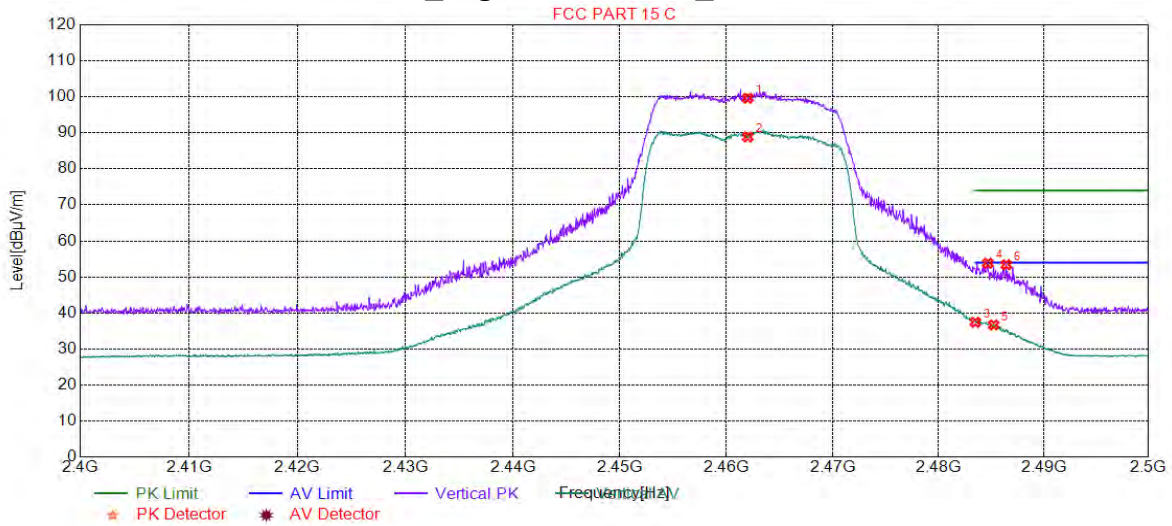
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	110.36	7.98	0.00	-110.36	150	57	Horizontal
2	2462.0000	100.17	7.98	0.00	-100.17	150	57	Horizontal
3	2483.5000	63.27	8.01	74.00	10.73	150	52	Horizontal
4	2483.5000	47.27	8.01	54.00	6.73	150	279	Horizontal
5	2485.0425	65.85	8.01	74.00	8.15	150	252	Horizontal
6	2486.2431	46.44	8.01	54.00	7.56	150	279	Horizontal



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4.10.1.1.12 802.11N20MIMO_Highest Channel_Vertical



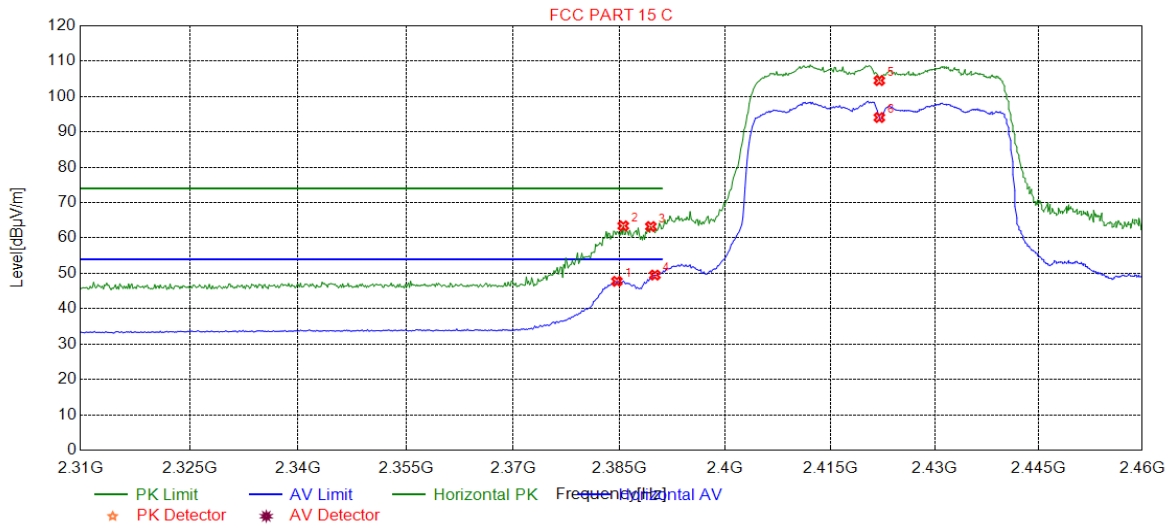
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	99.63	7.98	0.00	-99.63	150	171	Vertical
2	2462.0000	88.88	7.98	0.00	-88.88	150	176	Vertical
3	2483.5000	37.41	8.01	54.00	16.59	150	171	Vertical
4	2484.6923	53.82	8.01	74.00	20.18	150	187	Vertical
5	2485.2426	36.68	8.01	54.00	17.32	150	193	Vertical
6	2486.4432	53.39	8.01	74.00	20.61	150	187	Vertical



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4.10.1.1.13 802.11N40MIMO_Lowest Channel_Horizontal



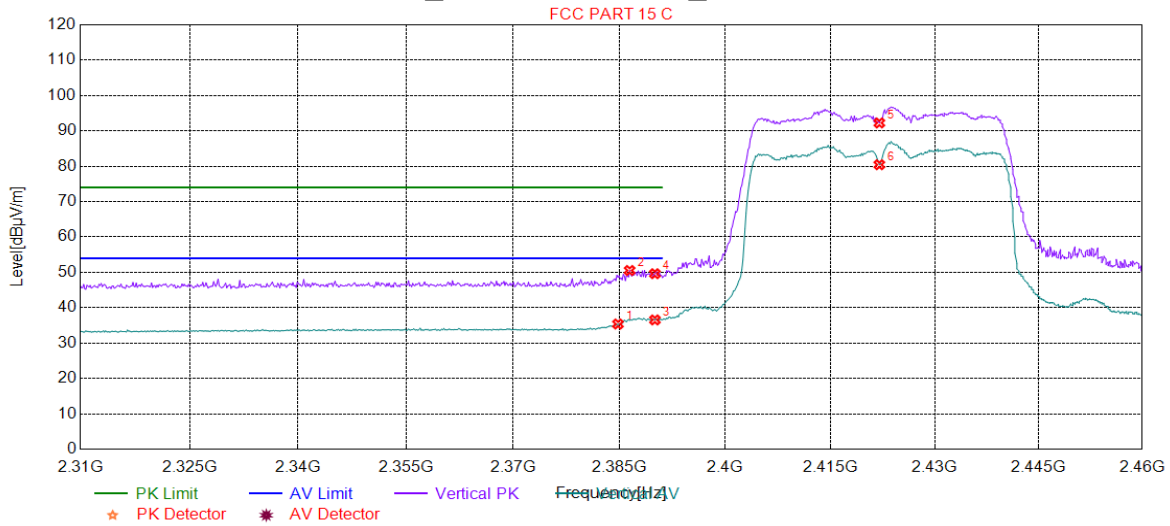
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.6246	47.75	7.78	54.00	6.25	150	231	Horizontal
2	2385.5255	63.43	7.77	74.00	10.57	150	231	Horizontal
3	2389.4294	63.24	7.77	74.00	10.76	150	206	Horizontal
4	2390.0000	49.51	7.77	54.00	4.49	150	202	Horizontal
5	2422.0000	104.51	7.85	0.00	-104.51	150	236	Horizontal
6	2422.0000	94.06	7.85	0.00	-94.06	150	236	Horizontal



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4.10.1.1.14 802.11N40MIMO_Lowest Channel_Vertical



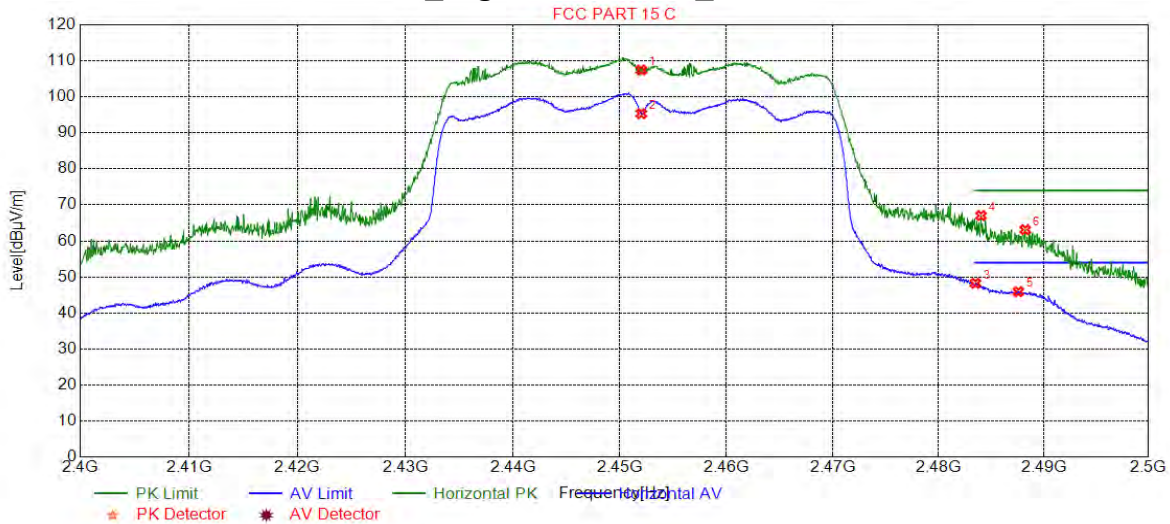
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.7748	35.39	7.78	54.00	18.61	150	352	Vertical
2	2386.4264	50.54	7.77	74.00	23.46	150	344	Vertical
3	2390.0000	36.55	7.77	54.00	17.45	150	110	Vertical
4	2390.0000	49.62	7.77	74.00	24.38	150	117	Vertical
5	2422.0000	92.24	7.85	0.00	-92.24	150	348	Vertical
6	2422.0000	80.43	7.85	0.00	-80.43	150	352	Vertical



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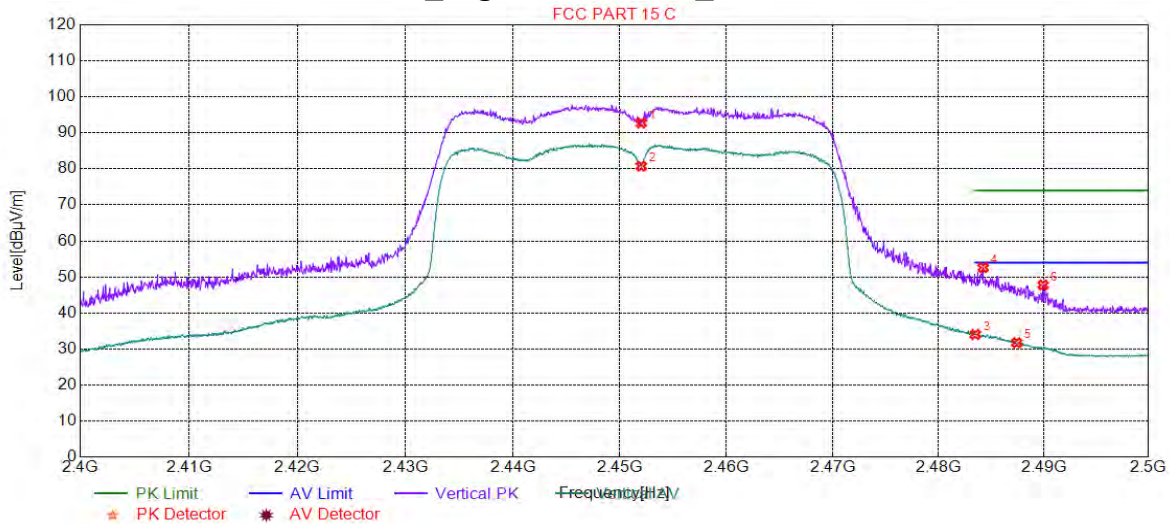
4.10.1.1.15 802.11N40MIMO_Highest Channel_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.0000	107.42	7.97	0.00	-107.42	150	48	Horizontal
2	2452.0000	95.34	7.97	0.00	-95.34	150	48	Horizontal
3	2483.5000	48.26	8.01	54.00	5.74	150	48	Horizontal
4	2484.0420	67.03	8.01	74.00	6.97	150	43	Horizontal
5	2487.5938	45.91	8.02	54.00	8.09	150	48	Horizontal
6	2488.2441	63.11	8.02	74.00	10.89	150	48	Horizontal



4.10.1.1.16 802.11N40MIMO_Highest Channel_Vertical



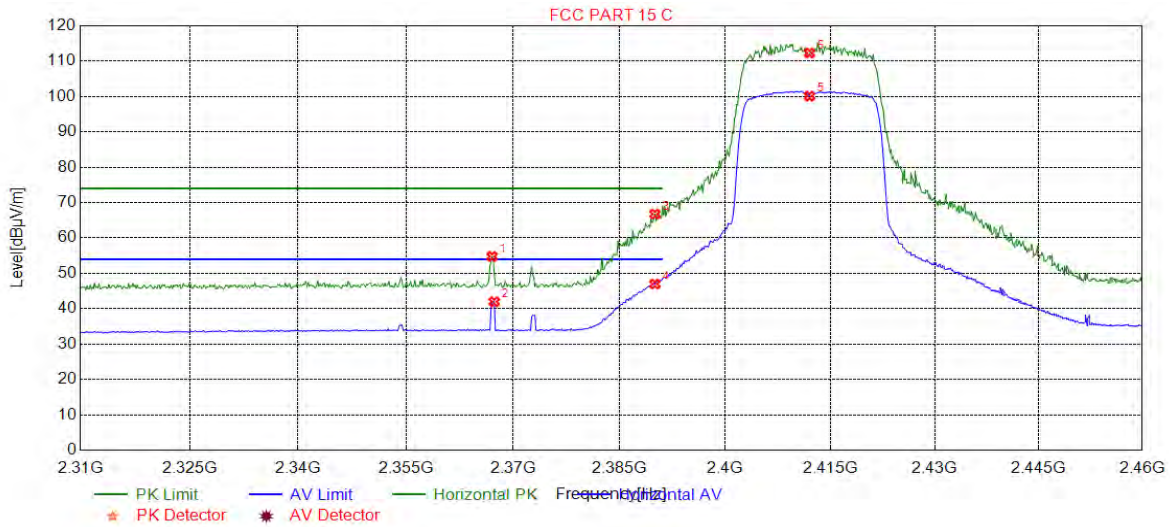
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.0000	92.76	7.97	0.00	-92.76	150	154	Vertical
2	2452.0000	80.74	7.97	0.00	-80.74	150	154	Vertical
3	2483.5000	34.04	8.01	54.00	19.96	150	176	Vertical
4	2484.2421	52.58	8.01	74.00	21.42	150	181	Vertical
5	2487.4437	31.74	8.01	54.00	22.26	150	176	Vertical
6	2489.9450	47.76	8.02	74.00	26.24	150	176	Vertical



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4.10.1.1.17 802.11AX20MIMO_Lowest Channel_Horizontal



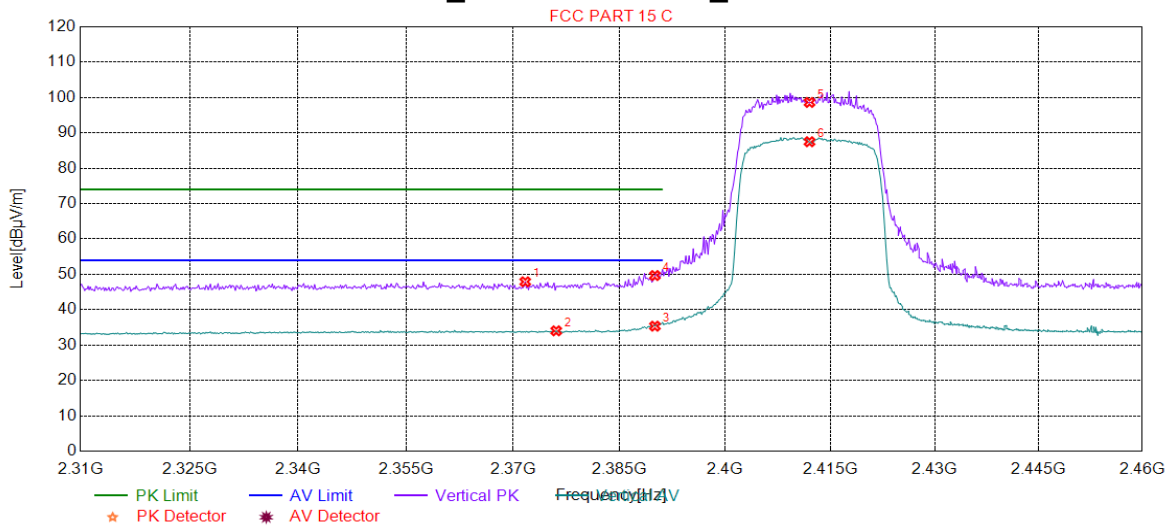
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2367.0571	54.77	7.79	74.00	19.23	150	240	Horizontal
2	2367.3574	41.96	7.79	54.00	12.04	150	240	Horizontal
3	2390.0000	66.78	7.77	74.00	7.22	150	62	Horizontal
4	2390.0000	46.97	7.77	54.00	7.03	150	74	Horizontal
5	2412.0000	100.11	7.81	0.00	-100.11	150	62	Horizontal
6	2412.0000	112.30	7.81	0.00	-112.30	150	62	Horizontal



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4.10.1.1.18 802.11AX20MIMO_Lowest Channel_Vertical



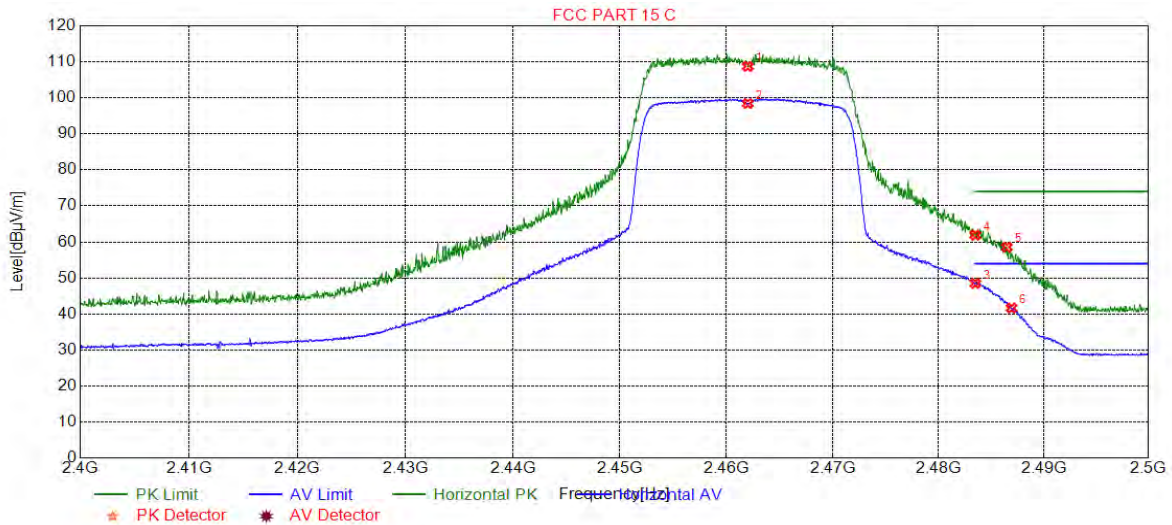
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2371.7117	47.91	7.79	74.00	26.09	150	314	Vertical
2	2376.0661	34.04	7.78	54.00	19.96	150	318	Vertical
3	2390.0000	35.35	7.77	54.00	18.65	150	180	Vertical
4	2390.0000	49.67	7.77	74.00	24.33	150	174	Vertical
5	2412.0000	98.61	7.81	0.00	-98.61	150	180	Vertical
6	2412.0000	87.50	7.81	0.00	-87.50	150	180	Vertical



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4.10.1.1.19 802.11AX20MIMO_Highest Channel_Horizontal



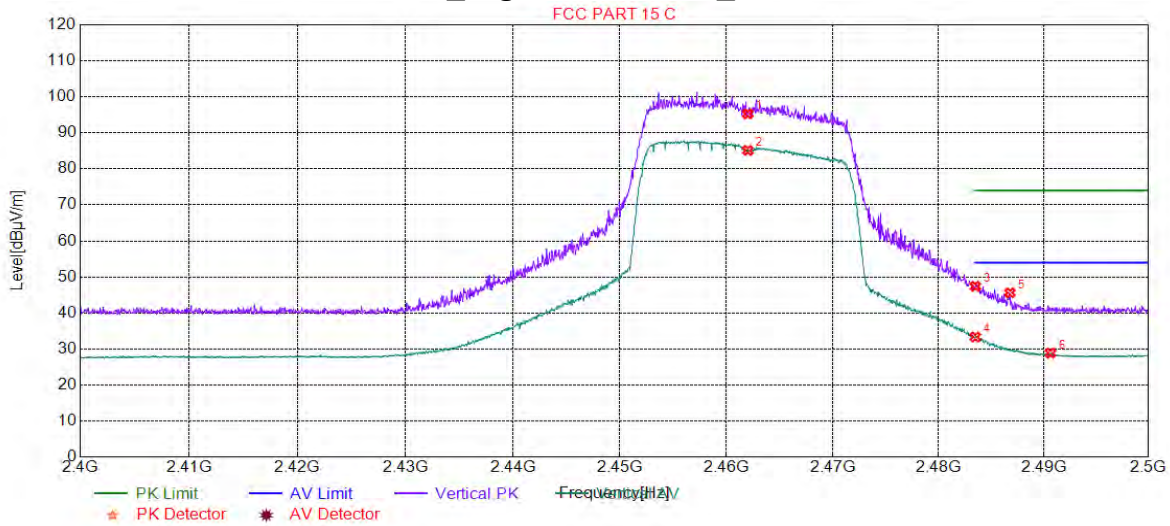
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	108.71	7.98	0.00	-108.71	150	71	Horizontal
2	2462.0000	98.44	7.98	0.00	-98.44	150	65	Horizontal
3	2483.5000	48.50	8.01	54.00	5.50	150	71	Horizontal
4	2483.5000	61.90	8.01	74.00	12.10	150	76	Horizontal
5	2486.4932	58.57	8.01	74.00	15.43	150	71	Horizontal
6	2486.9435	41.65	8.01	54.00	12.35	150	71	Horizontal



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4.10.1.1.20 802.11AX20MIMO_Highest Channel_Vertical



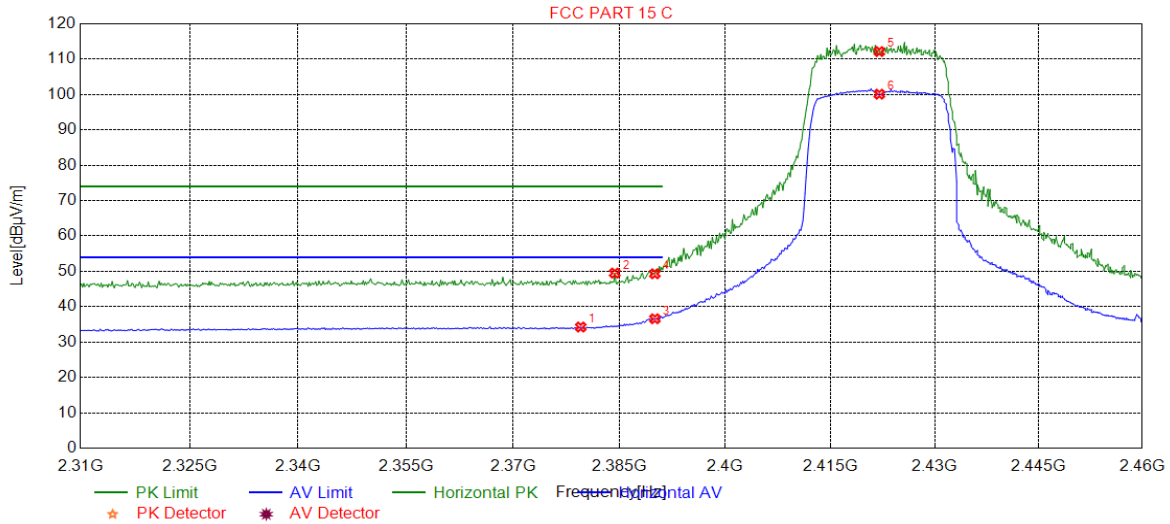
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	95.28	7.98	0.00	-95.28	150	243	Vertical
2	2462.0000	85.14	7.98	0.00	-85.14	150	182	Vertical
3	2483.5000	47.42	8.01	74.00	26.58	150	177	Vertical
4	2483.5000	33.32	8.01	54.00	20.68	150	182	Vertical
5	2486.7934	45.61	8.01	74.00	28.39	150	177	Vertical
6	2490.6453	28.87	8.02	54.00	25.13	150	177	Vertical



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4.10.1.1.21 802.11AX40MIMO_Lowest Channel_Horizontal



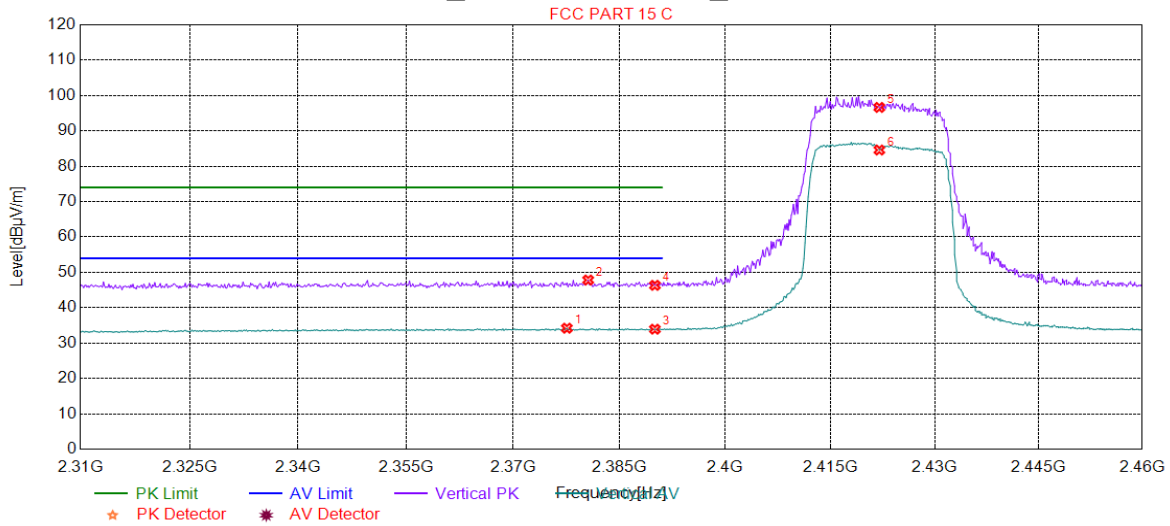
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.5195	34.26	7.78	54.00	19.74	150	71	Horizontal
2	2384.3243	49.51	7.78	74.00	24.49	150	37	Horizontal
3	2390.0000	36.60	7.77	54.00	17.40	150	67	Horizontal
4	2390.0000	49.32	7.77	74.00	24.68	150	216	Horizontal
5	2422.0000	112.15	7.85	0.00	-112.15	150	58	Horizontal
6	2422.0000	100.10	7.85	0.00	-100.10	150	67	Horizontal



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4.10.1.1.22 802.11AX40MIMO_Lowest Channel_Vertical



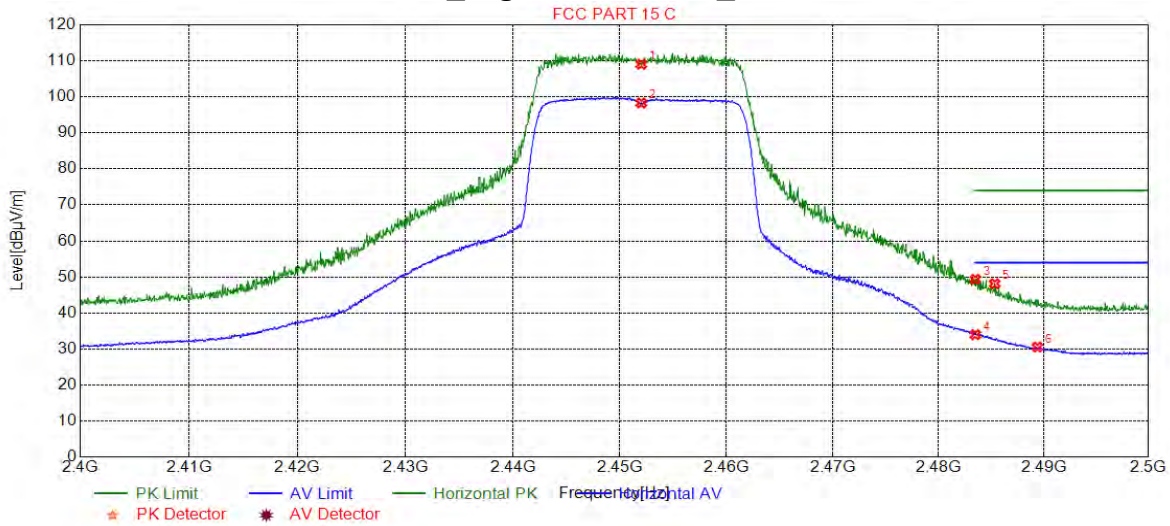
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2377.5676	34.21	7.78	54.00	19.79	150	160	Vertical
2	2380.5706	47.83	7.78	74.00	26.17	150	327	Vertical
3	2390.0000	33.93	7.77	54.00	20.07	150	186	Vertical
4	2390.0000	46.33	7.77	74.00	27.67	150	156	Vertical
5	2422.0000	96.64	7.85	0.00	-96.64	150	173	Vertical
6	2422.0000	84.59	7.85	0.00	-84.59	150	177	Vertical



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4.10.1.1.23 802.11AX40MIMO_Highest Channel_Horizontal



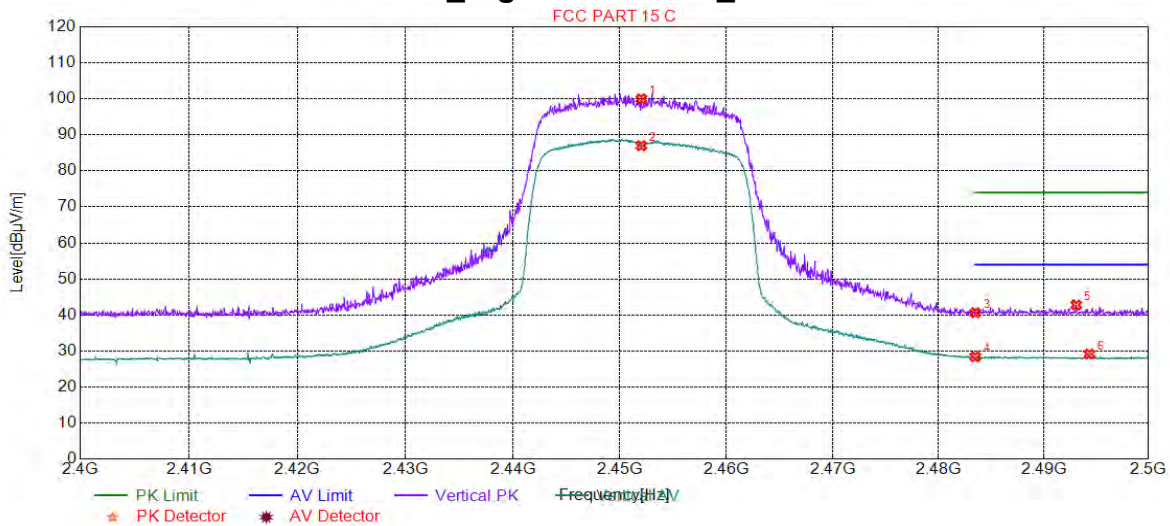
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.0000	109.04	7.97	0.00	-109.04	150	45	Horizontal
2	2452.0000	98.29	7.97	0.00	-98.29	150	72	Horizontal
3	2483.5000	49.37	8.01	74.00	24.63	150	72	Horizontal
4	2483.5000	33.98	8.01	54.00	20.02	150	72	Horizontal
5	2485.3427	48.13	8.01	74.00	25.87	150	62	Horizontal
6	2489.3947	30.52	8.02	54.00	23.48	150	258	Horizontal



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4.10.1.1.24 802.11AX40MIMO_Highest Channel_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.0000	100.00	7.97	0.00	-100.00	150	178	Vertical
2	2452.0000	86.98	7.97	0.00	-86.98	150	178	Vertical
3	2483.5000	40.63	8.01	74.00	33.37	150	57	Vertical
4	2483.5000	28.40	8.01	54.00	25.60	150	178	Vertical
5	2493.0965	42.78	8.02	74.00	31.22	150	288	Vertical
6	2494.3472	29.16	8.02	54.00	24.84	150	299	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.



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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. Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2019/7/14	2020/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2020/4/13	2021/4/12
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2019/6/12	2020/6/11
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	2020/3/22	2021/3/21

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal. Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
DC Power Supply	Agilent Technologies Inc	66311B	W009-09	2019/7/15	2020/7/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/1/3	2021/1/2
Coaxial Cable	SGS	N/A	SEM031-01	2019/6/12	2020/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019/7/14	2020/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2019/10/27	2020/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019/7/14	2020/7/14

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	2019/6/12	2020/6/11
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2020/3/22	2021/3/21
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
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	2019/7/14	2020/7/14
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	2020/3/22	2021/3/21
Band filter	N/A	N/A	SEM023-01	N/A	N/A



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Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Wideband Radio Communication Tester	Anristu	MT8821C	6201462742	2020/3/22	2021/3/21
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2020/1/3	2021/1/2
Wideband Radio Communication Tester	Keysight	UXM	K-E7515B 50667	2019/8/20	2020/8/19
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2020/3/3	2021/3/2
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2019/10/22	2020/10/21
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2020/3/22	2022/3/21
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2019/7/25	2020/7/24
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2019/7/25	2020/7/24
Pre-amplifier (26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/10/22	2020/10/21
Band filter	N/A	N/A	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2019/6/12	2020/6/11
Tunable Notch Filter WRCD1700/2000-0.2/40-10EEK	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
Tunable Notch Filter WRCD800/960-0.2/40-10EEK	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
HighPass Filter WHK1.2/15G-10SS	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
HighPass Filter WHKX10-2700-3000-18000-40SS	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
HighPass Filter WHKX7.0/26.5G-6SS	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
Band Reject Filter WRCG 824/849-814/859-40/8SS	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A
Band Reject Filter WRCG 1850/1910-1835/1925-40/8SS	WAINRIGHT Instruments GMBH	N/A	N/A	N/A	N/A

7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of Set-Up for ZR/2020/30010.

The End



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