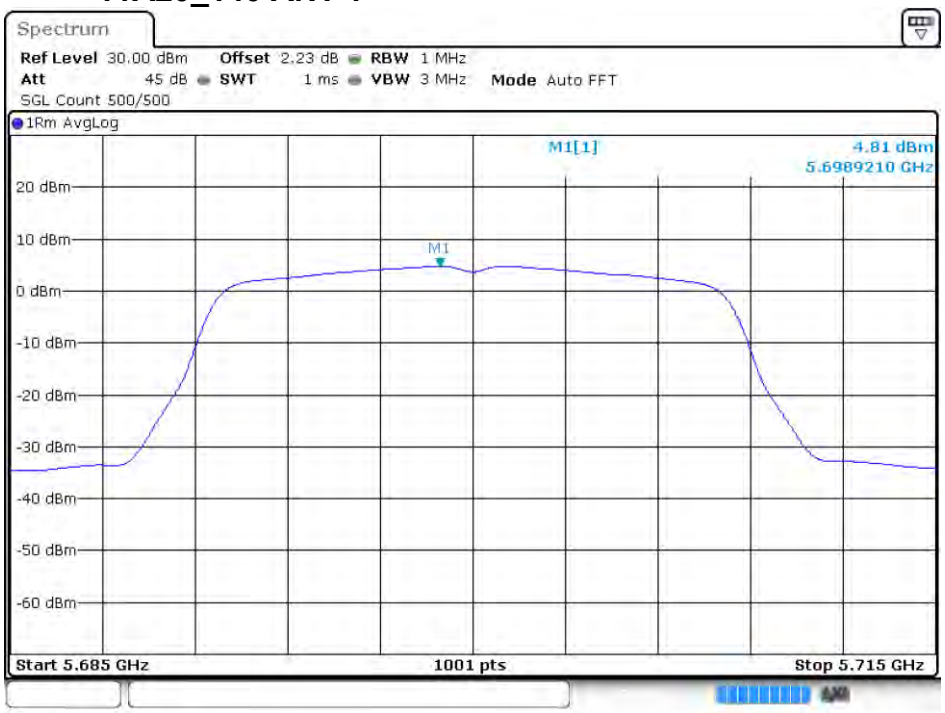
4.8.2.8 11A20_116 ANT 1

Date: 30.APR.2020 10:25:37

4.8.2.9 11A20_140 ANT 1



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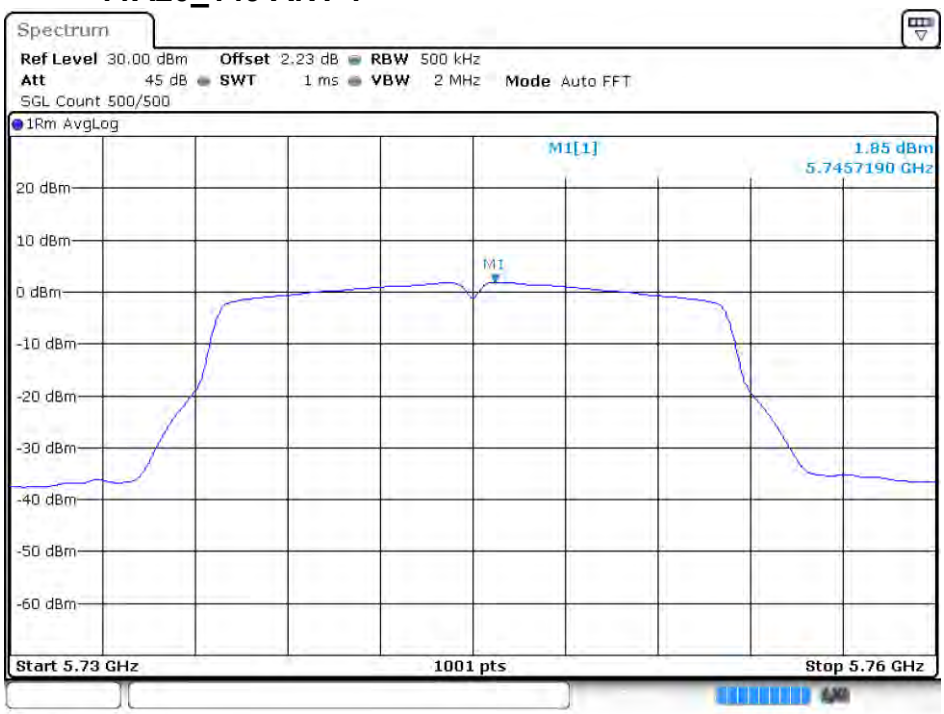
4.8.2.10 11A20_149 ANT 1



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4.8.2.11 11A20_157 ANT 1

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4.8.2.12 11A20_161 ANT 1

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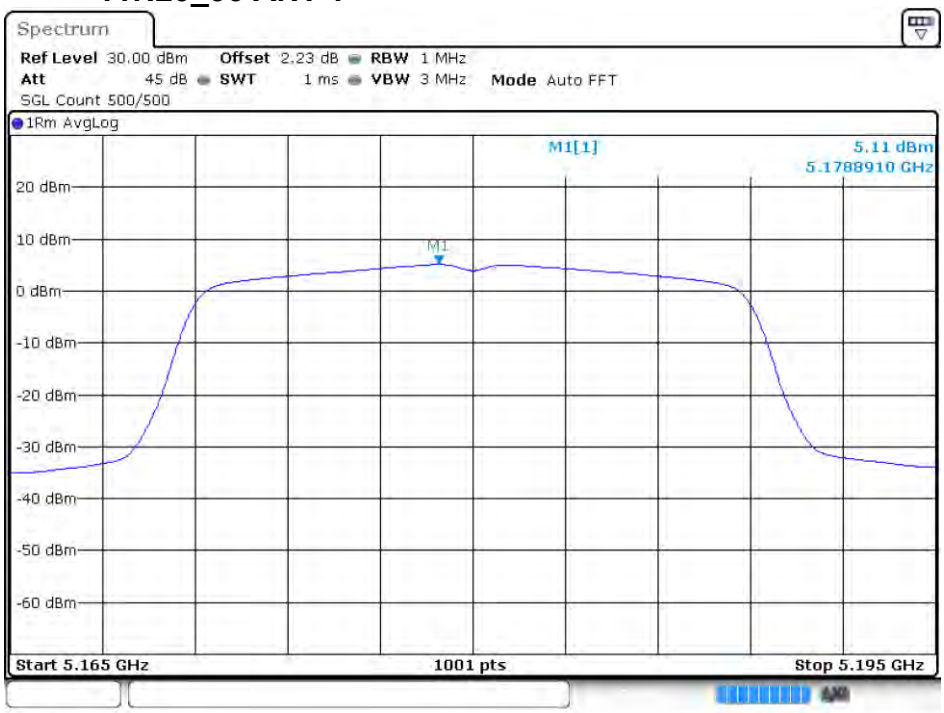
4.8.2.13 11N20_36 ANT 1



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4.8.2.14 11N20_44 ANT 1

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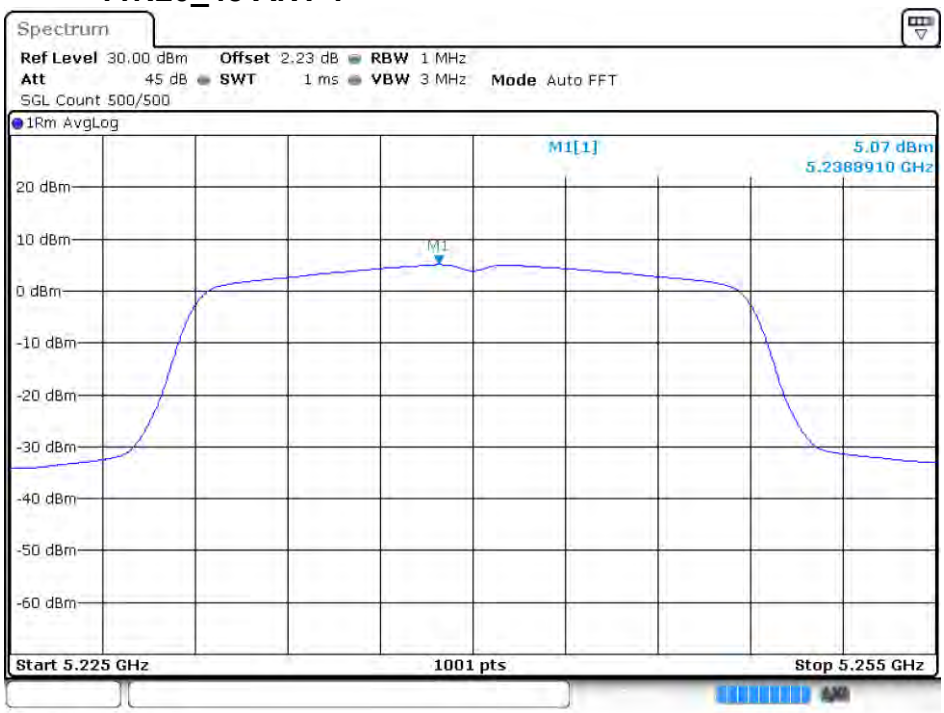
4.8.2.15 11N20_48 ANT 1



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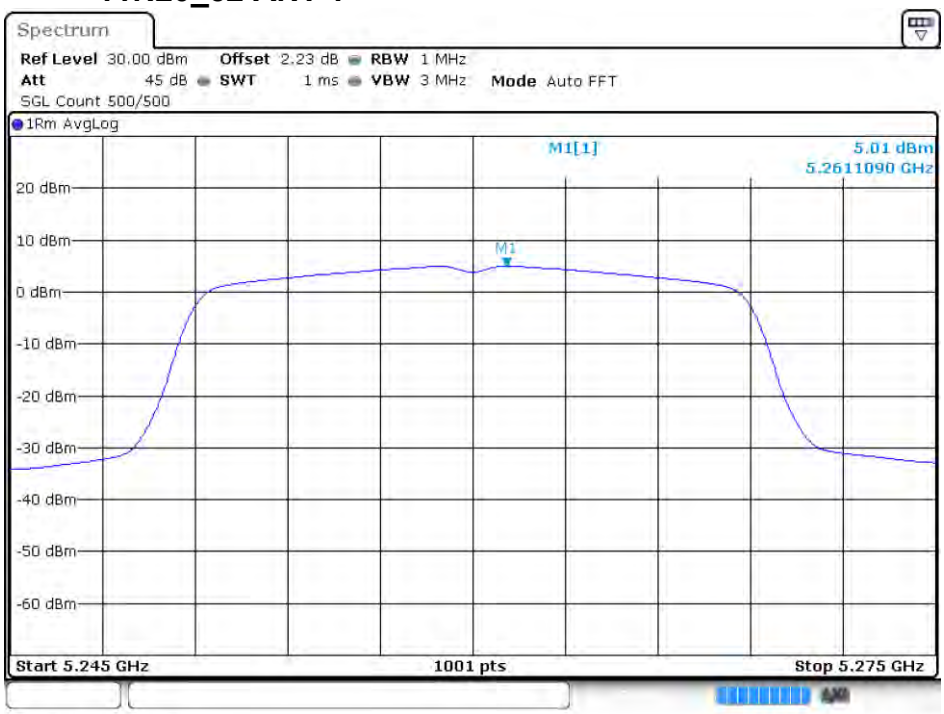

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4.8.2.17 11N20_60 ANT 1

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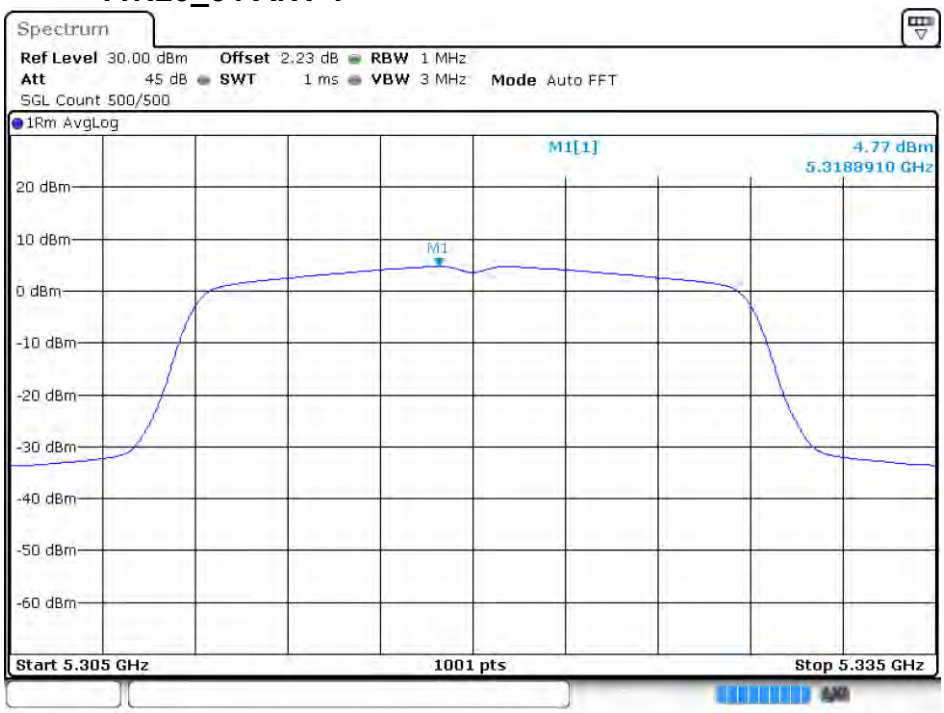
4.8.2.18 11N20_64 ANT 1



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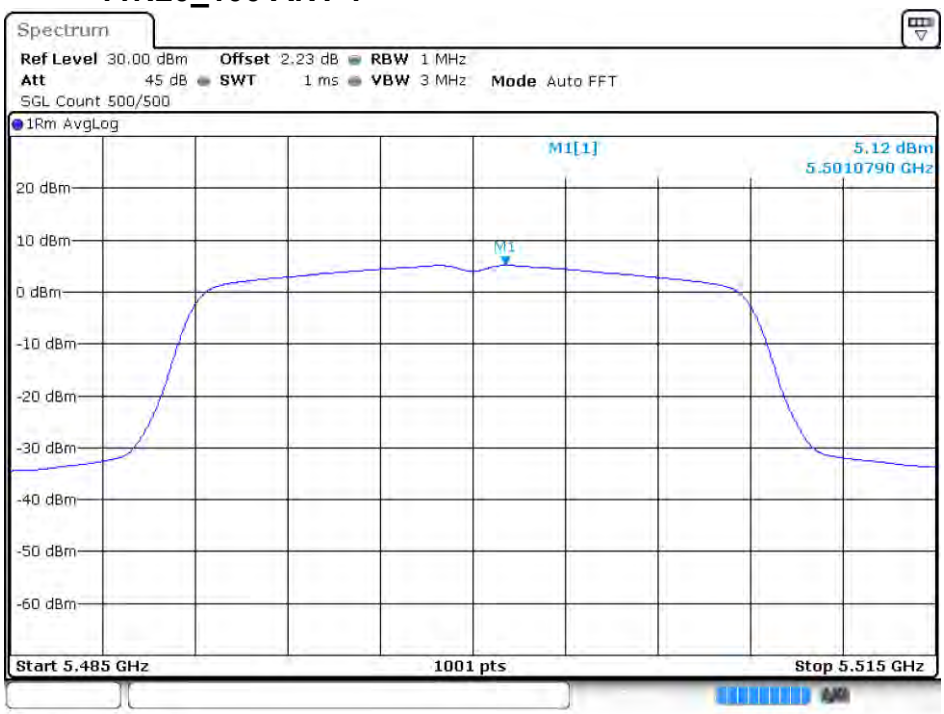
4.8.2.19 11N20_100 ANT 1



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4.8.2.20 11N20_116 ANT 1

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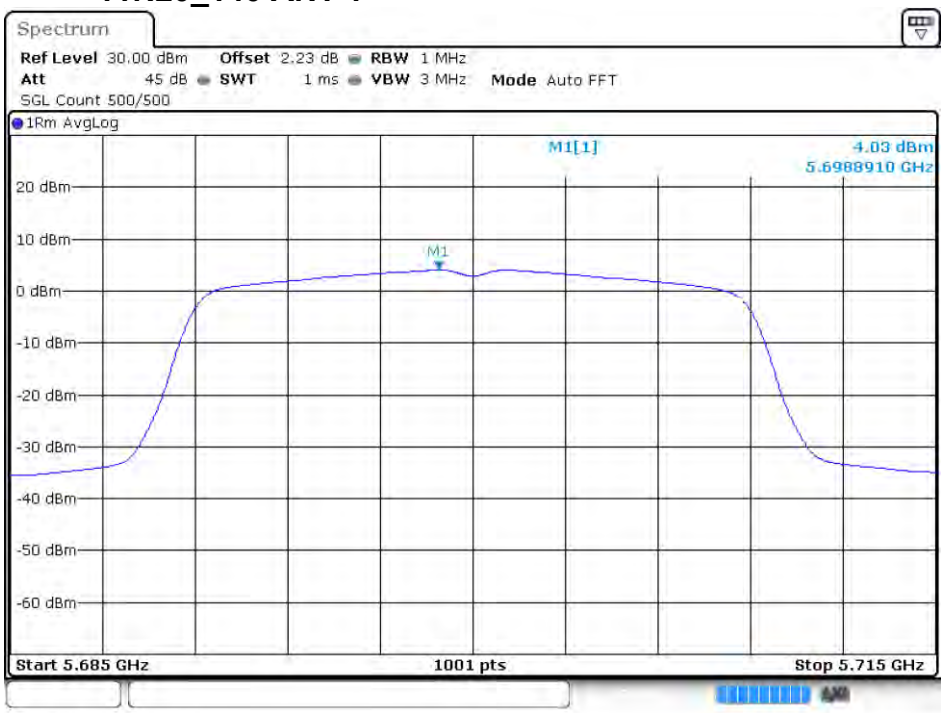
4.8.2.21 11N20_140 ANT 1



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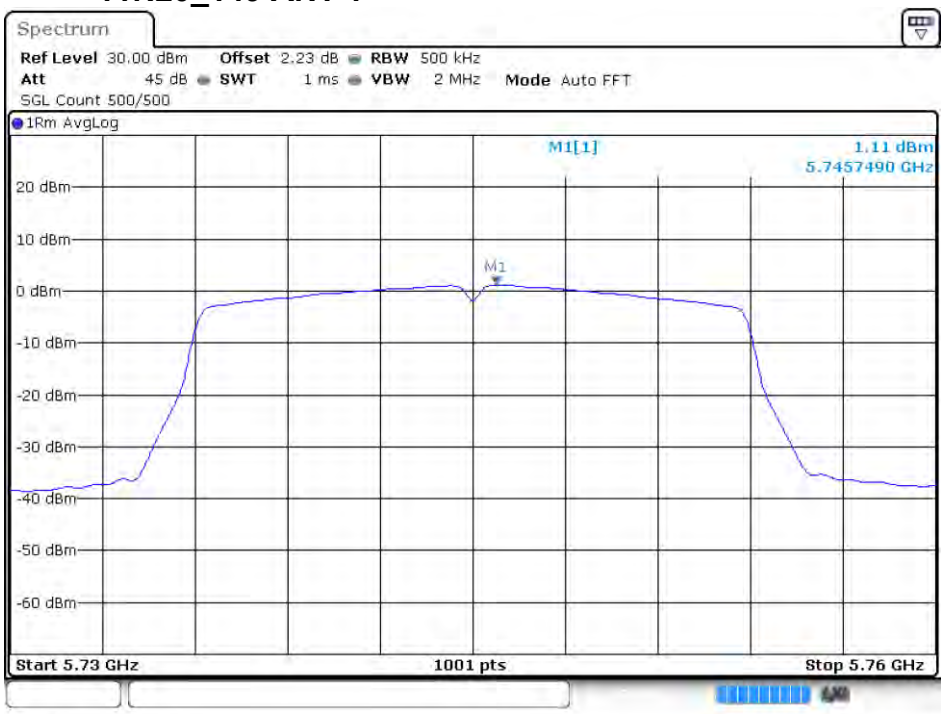

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4.8.2.23 11N20_157 ANT 1

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4.8.2.24 11N20_161 ANT 1

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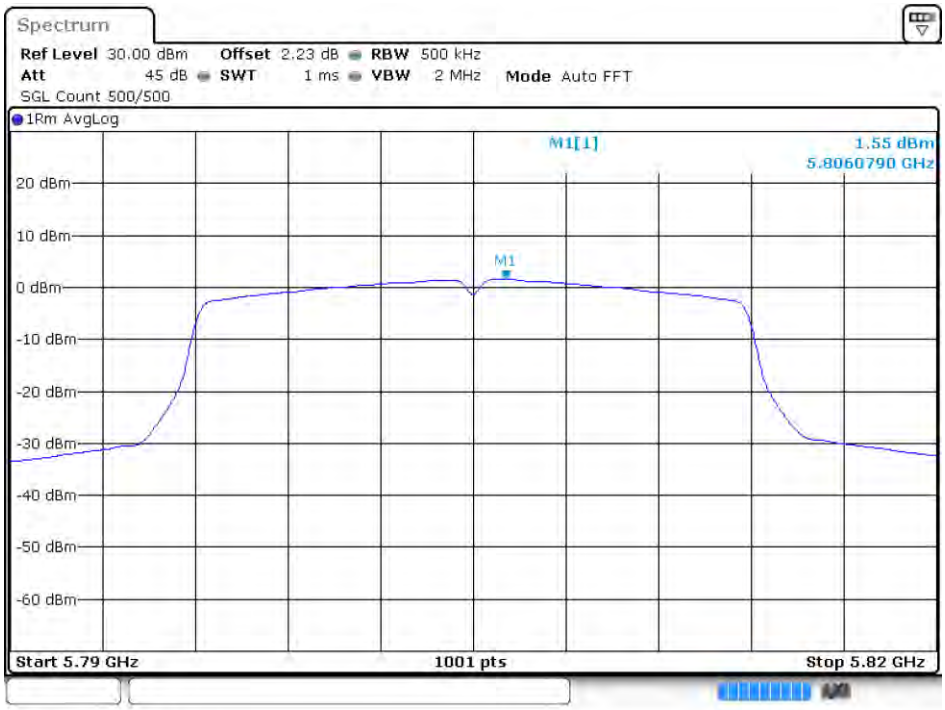

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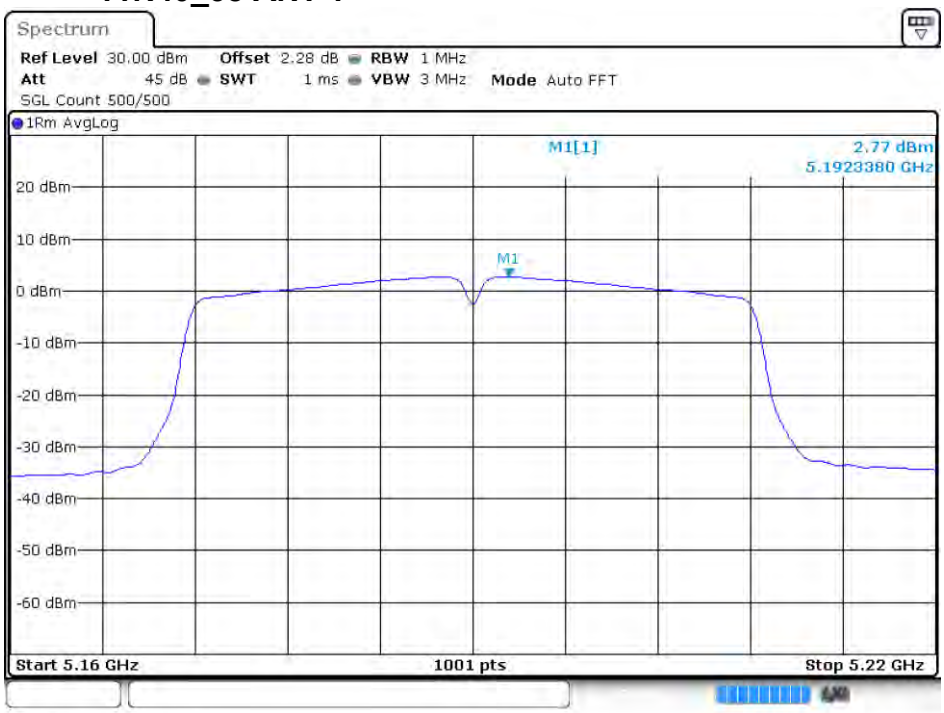

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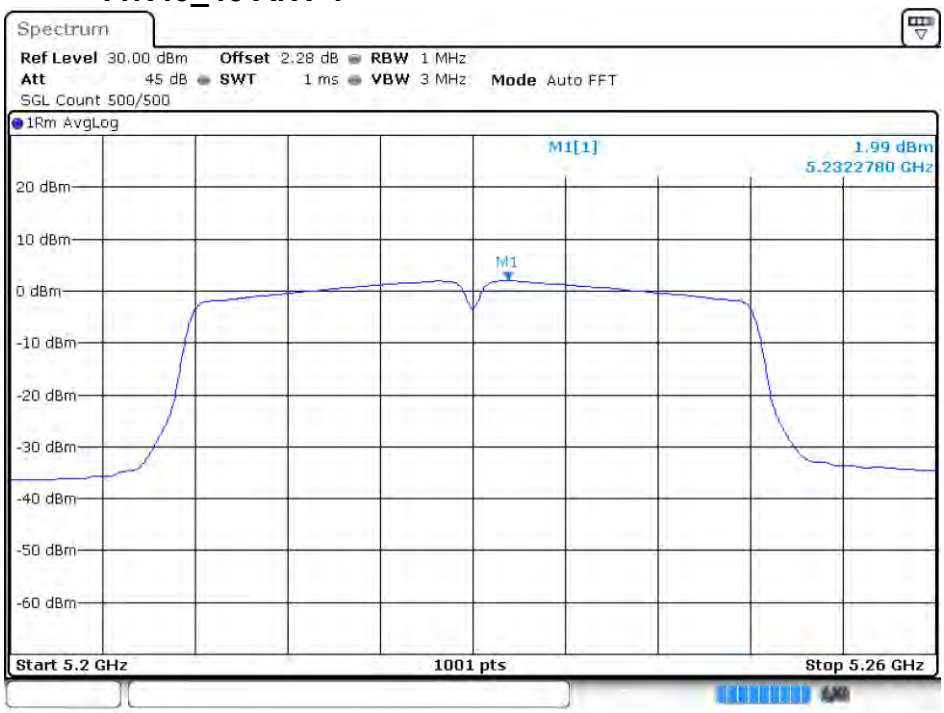
4.8.2.26 11N40_46 ANT 1



Date: 26.APR.2020 03:32:47

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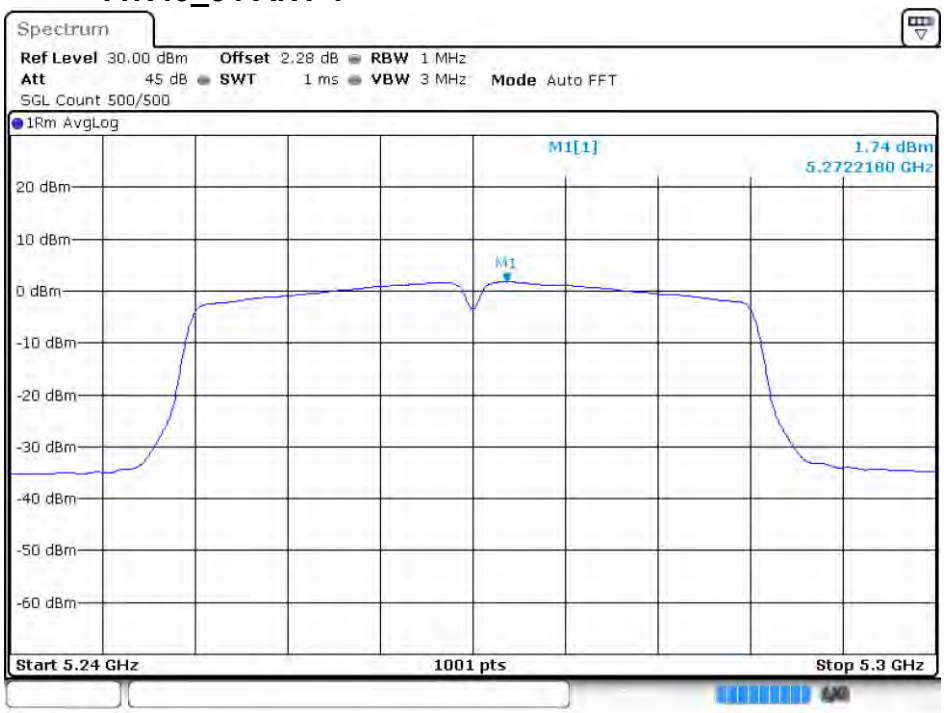
4.8.2.27 11N40_54 ANT 1



Date: 26.APR.2020 03:34:30

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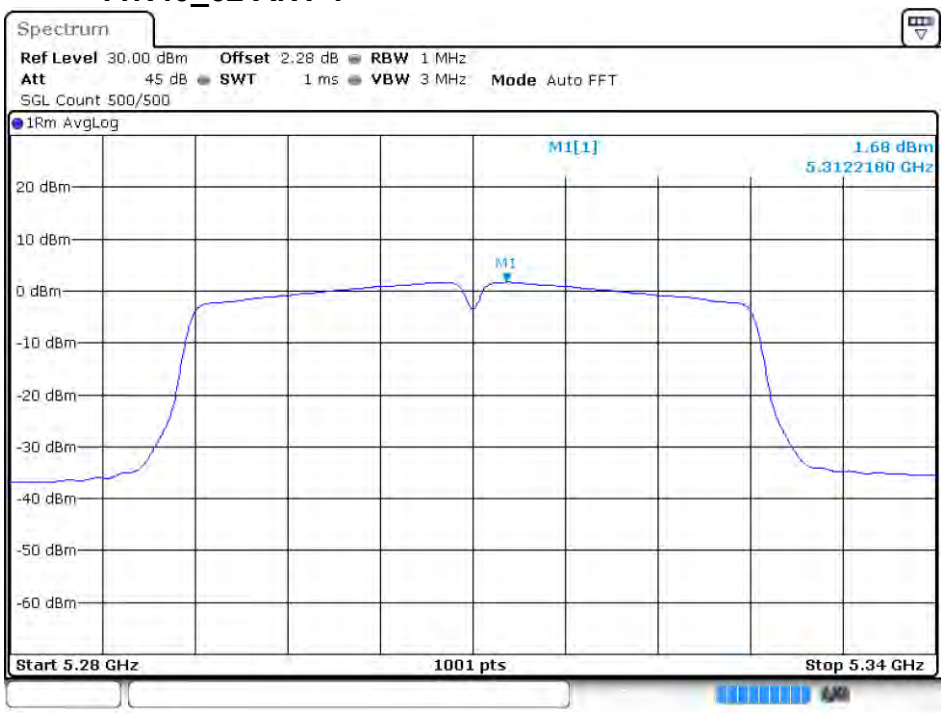
4.8.2.28 11N40_62 ANT 1



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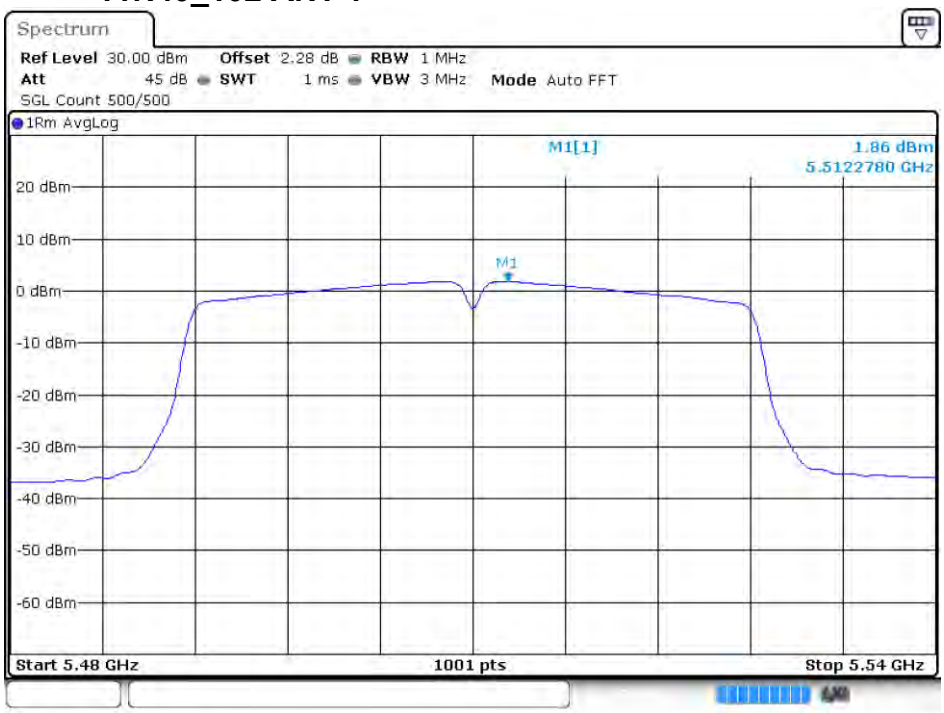
4.8.2.29 11N40_102 ANT 1



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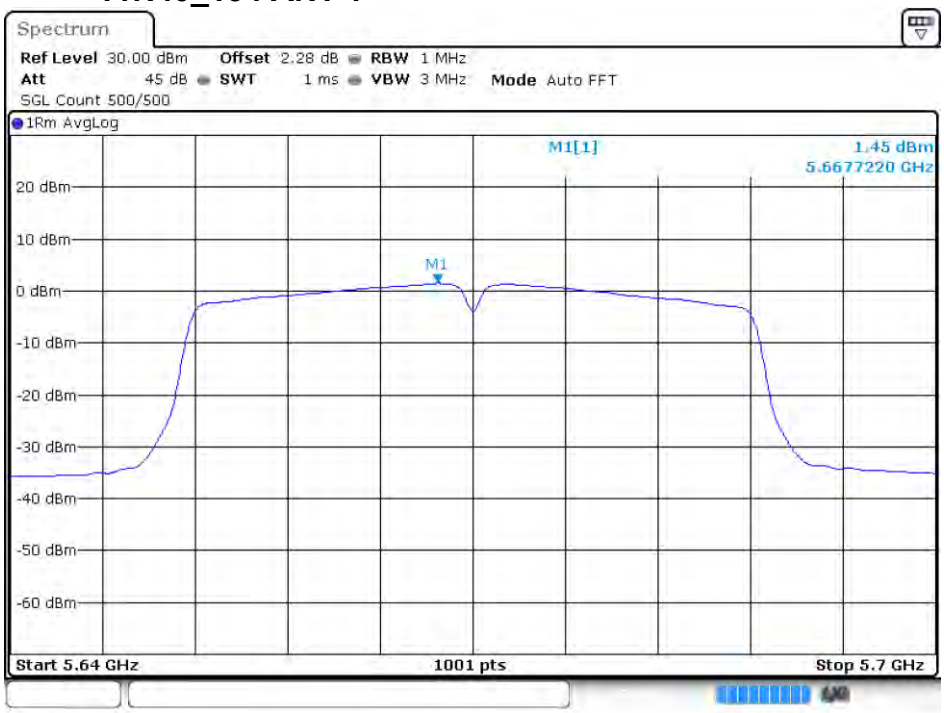
4.8.2.30 11N40_110 ANT 1

Date: 30.APR.2020 09:49:18

4.8.2.31 11N40_134 ANT 1



Date: 26.APR.2020 03:39:34

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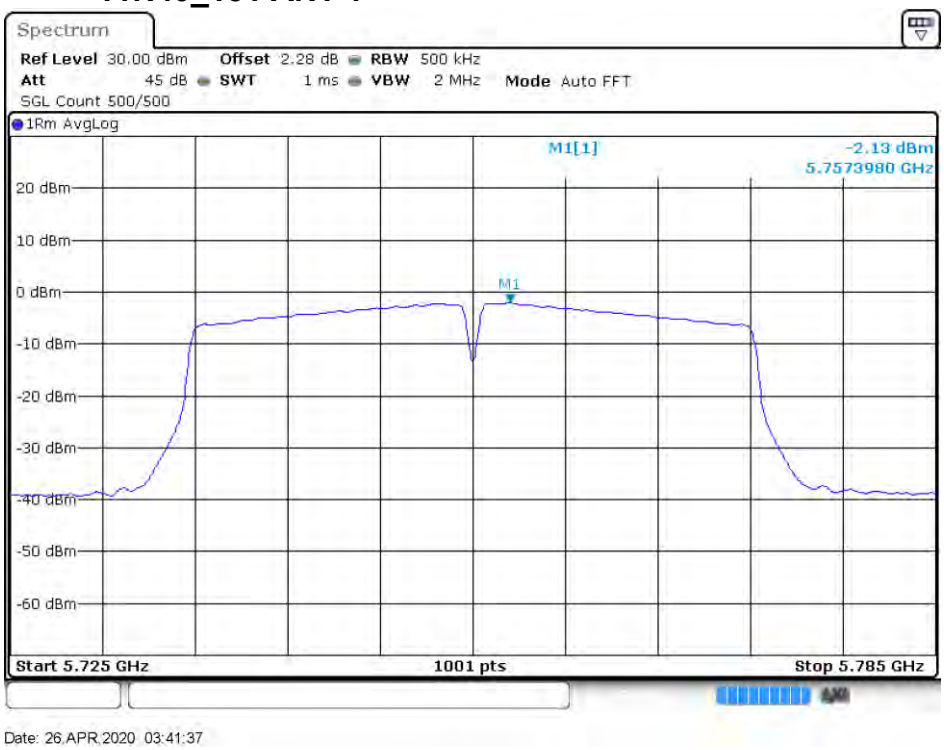
4.8.2.32 11N40_151 ANT 1



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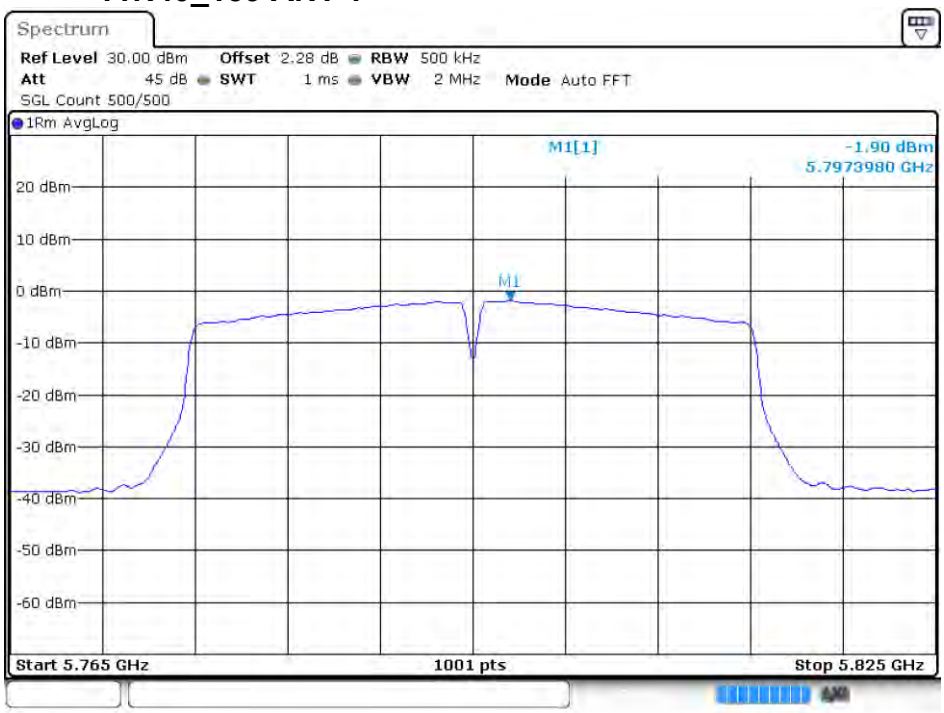
4.8.2.33 11N40_159 ANT 1



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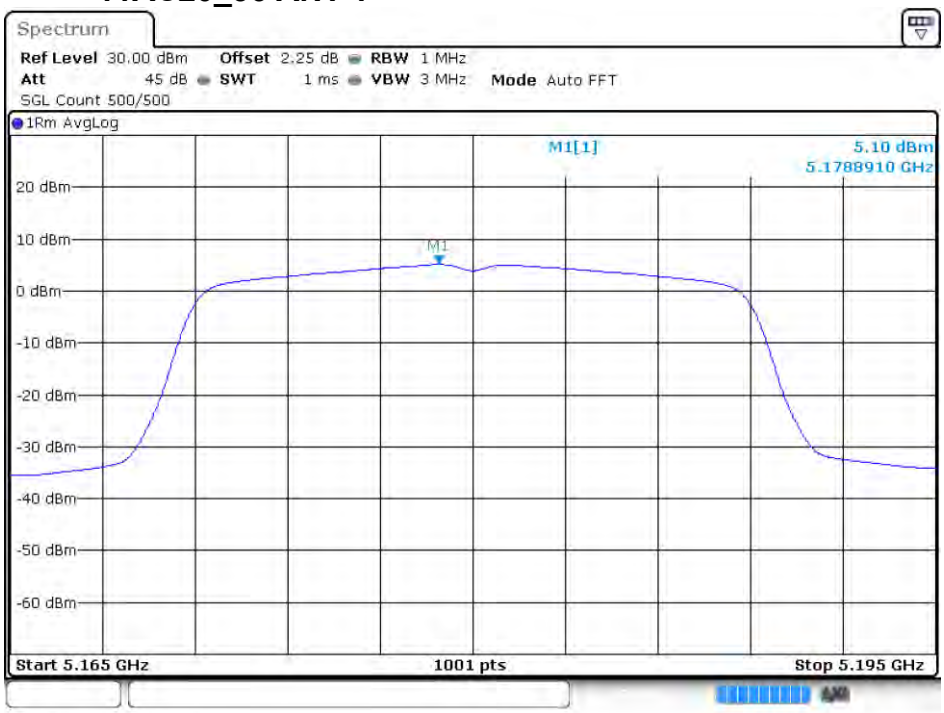
4.8.2.34 11AC20_36 ANT 1



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4.8.2.35 11AC20_44 ANT 1

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4.8.2.36 11AC20_48 ANT 1

Date: 26.APR.2020 04:01:01

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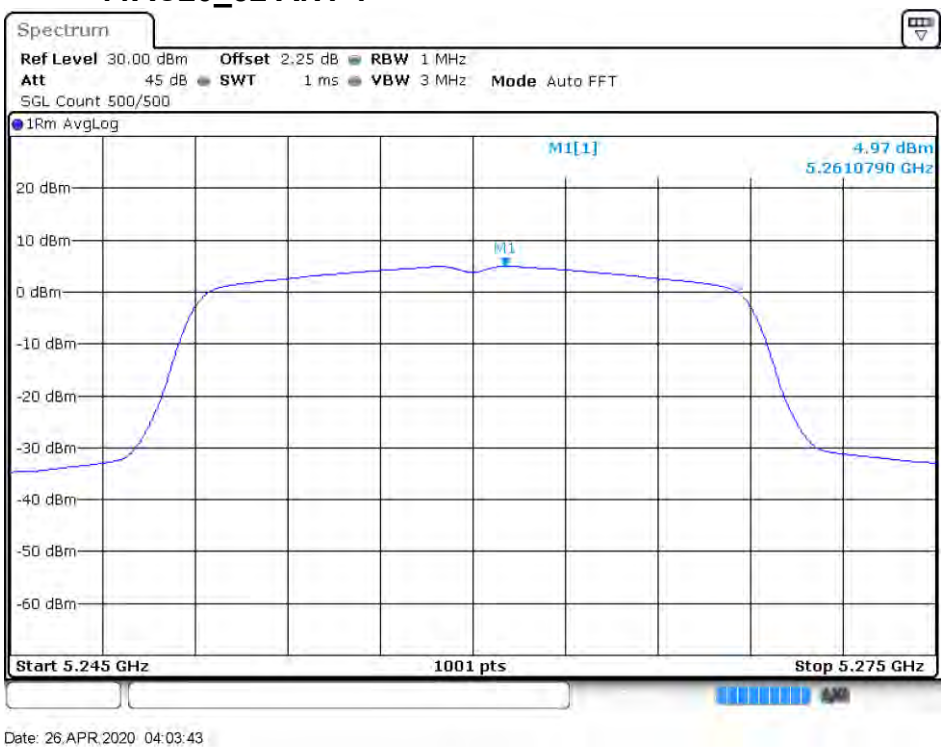

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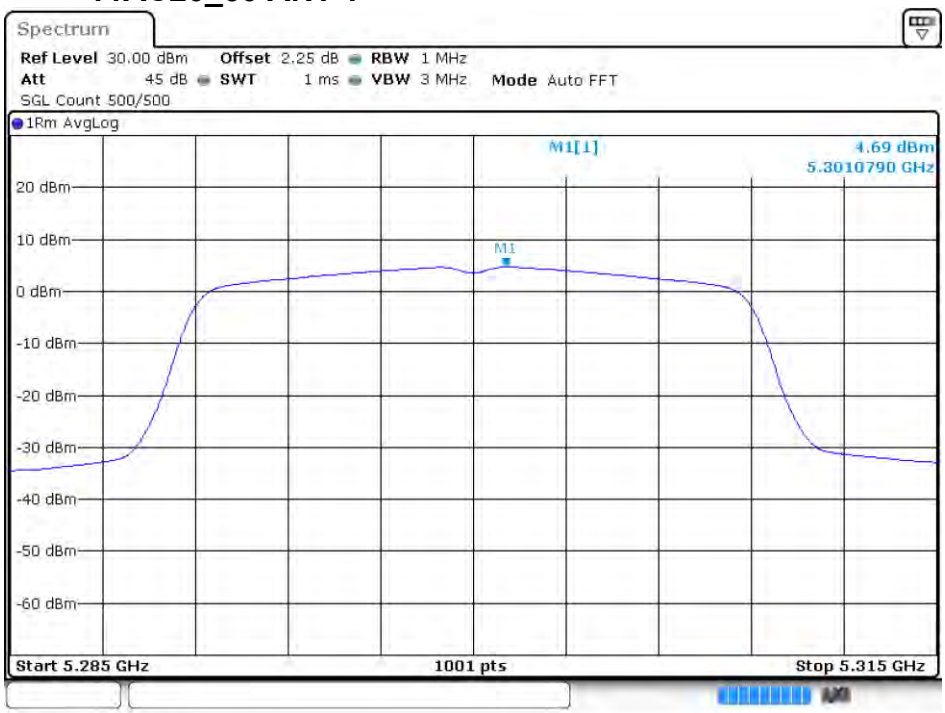
4.8.2.38 11AC20_60 ANT 1



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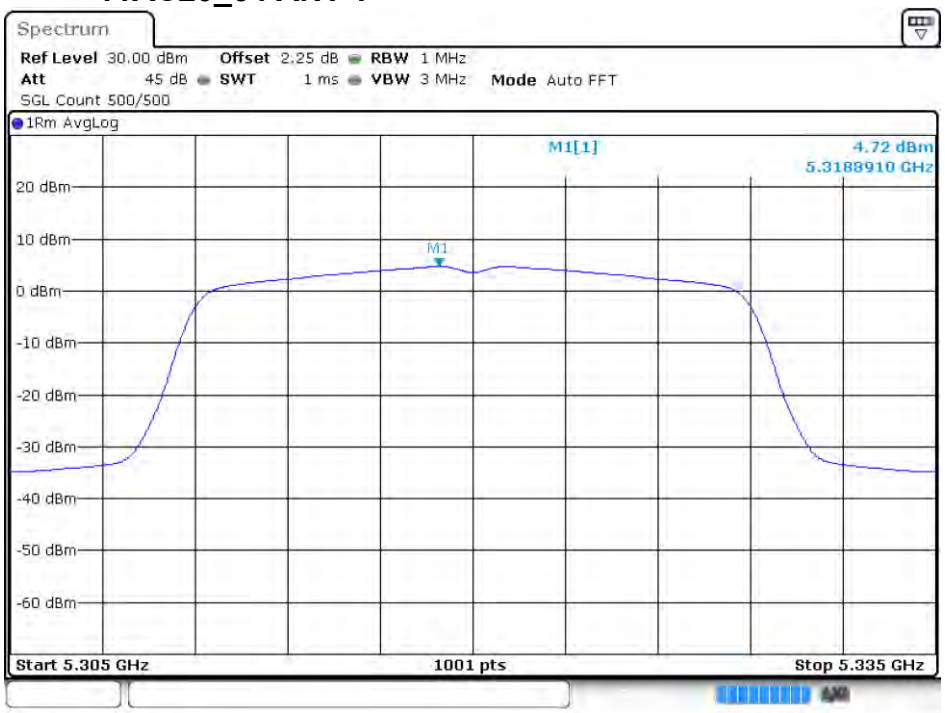
4.8.2.39 11AC20_64 ANT 1



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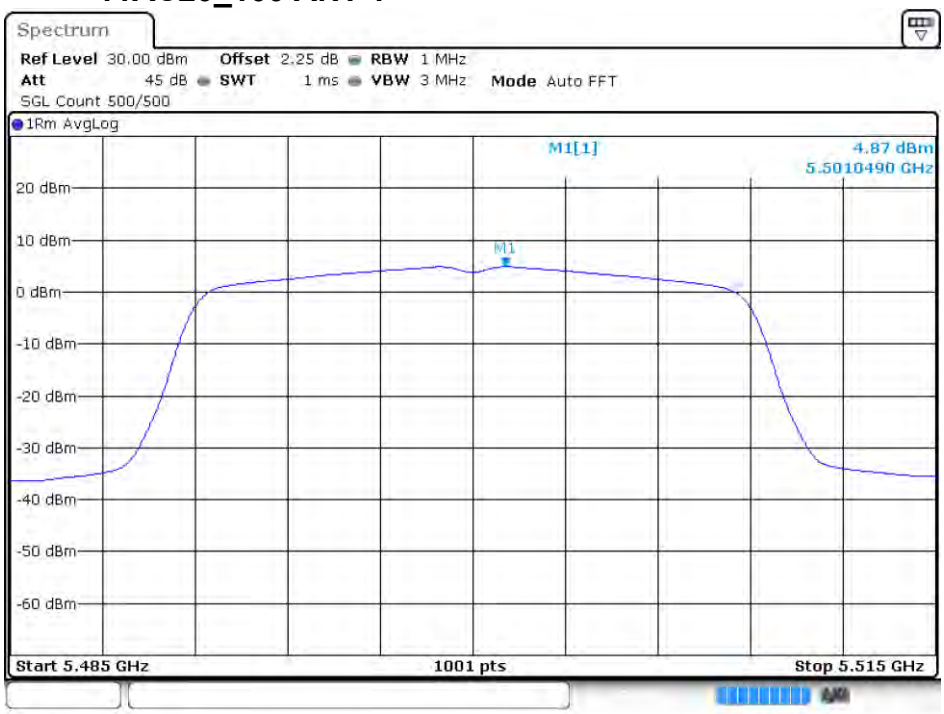

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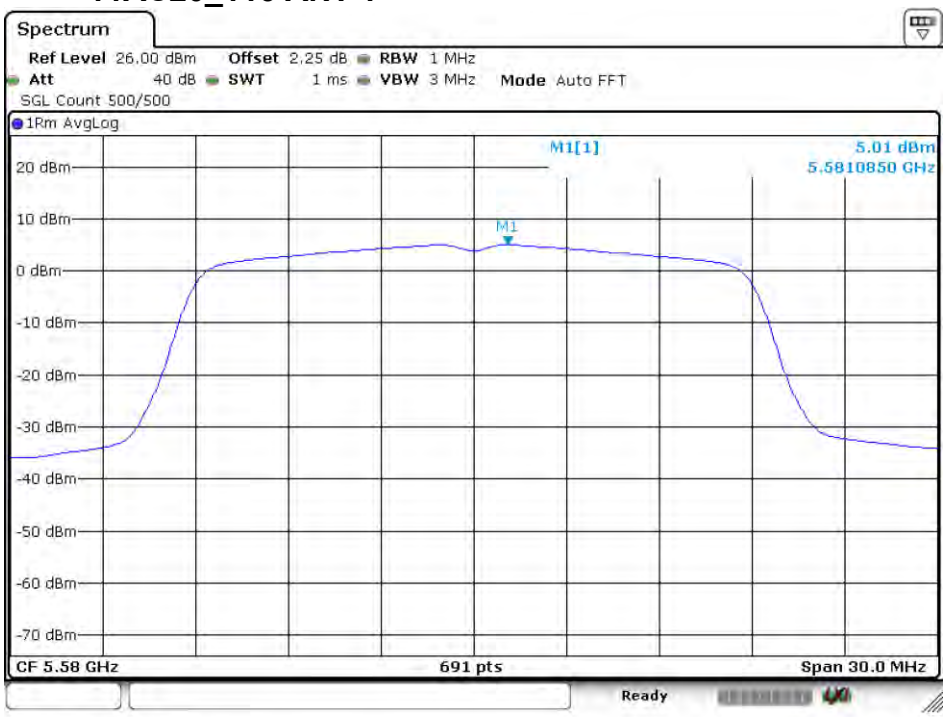
4.8.2.41 11AC20_116 ANT 1



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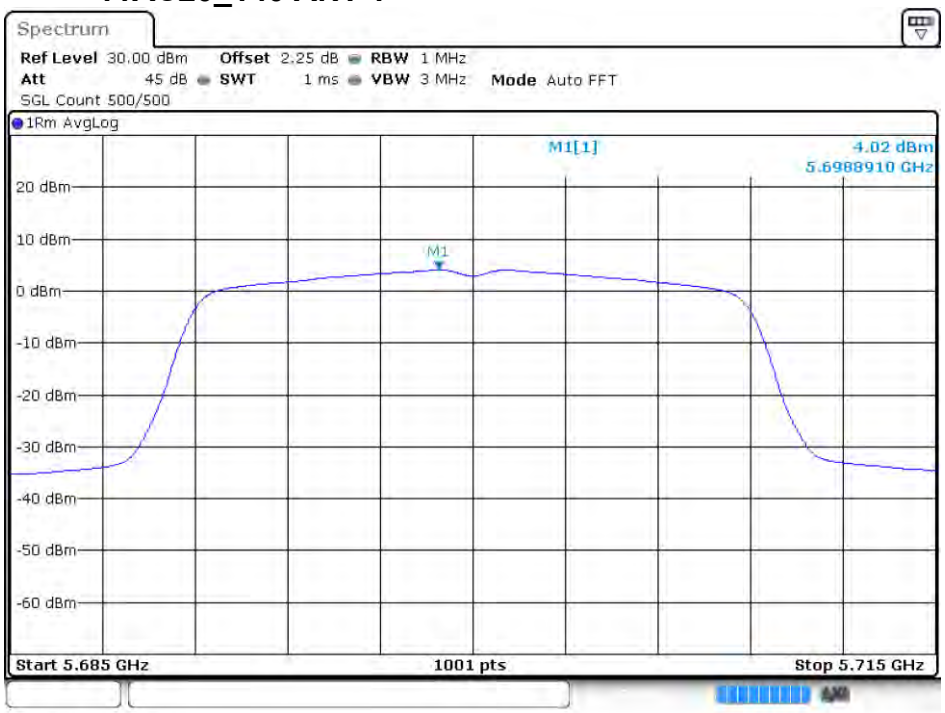
4.8.2.42 11AC20_140 ANT 1



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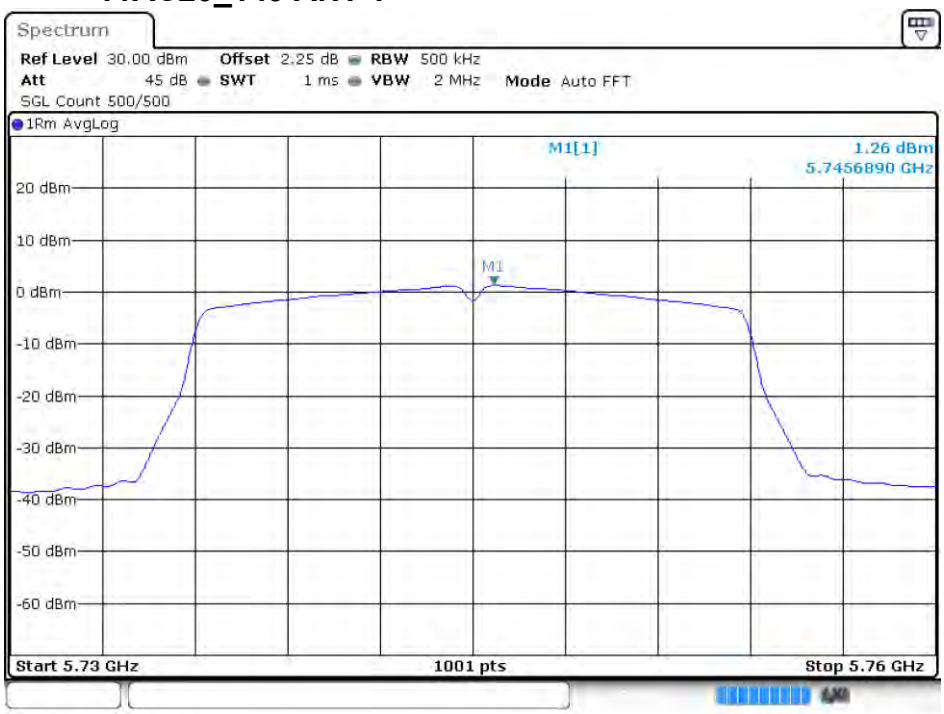
4.8.2.43 11AC20_149 ANT 1



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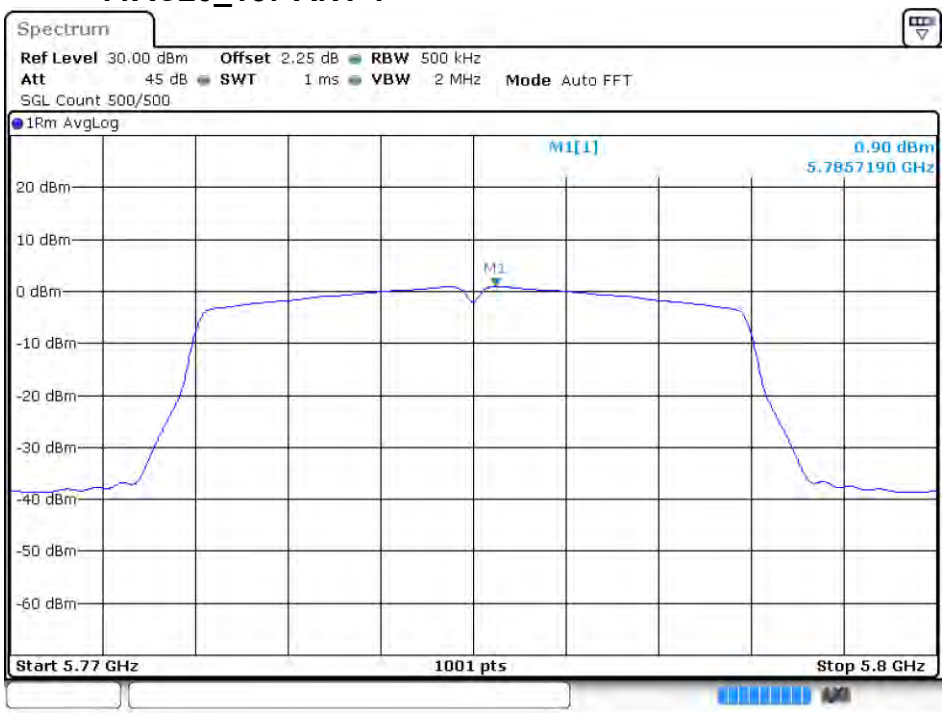
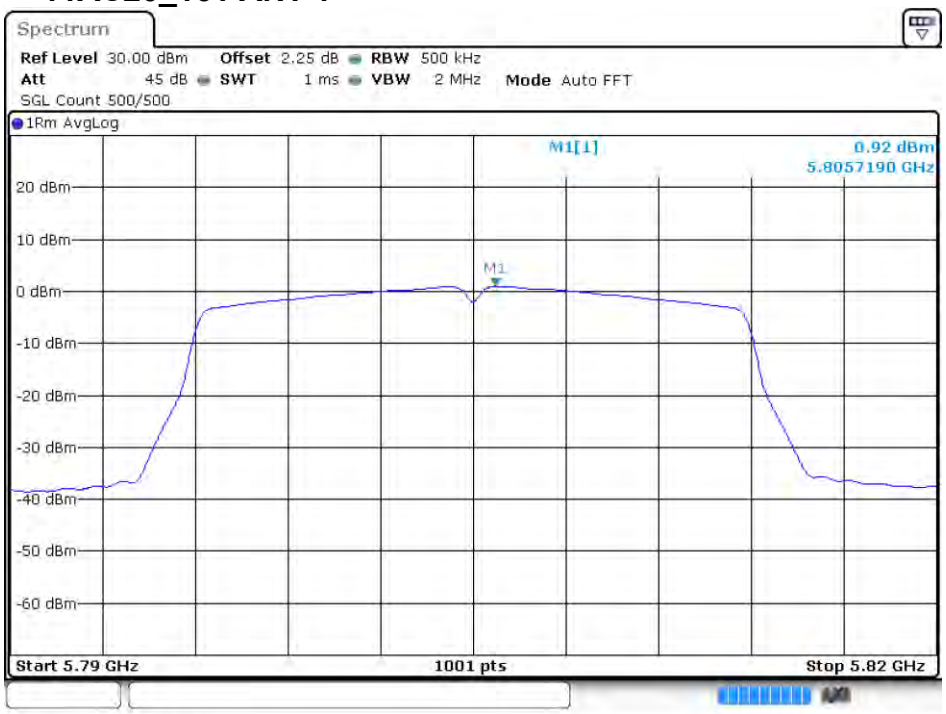
4.8.2.44 11AC20_157 ANT 1



Date: 26.APR.2020 04:20:49

4.8.2.45 11AC20_161 ANT 1



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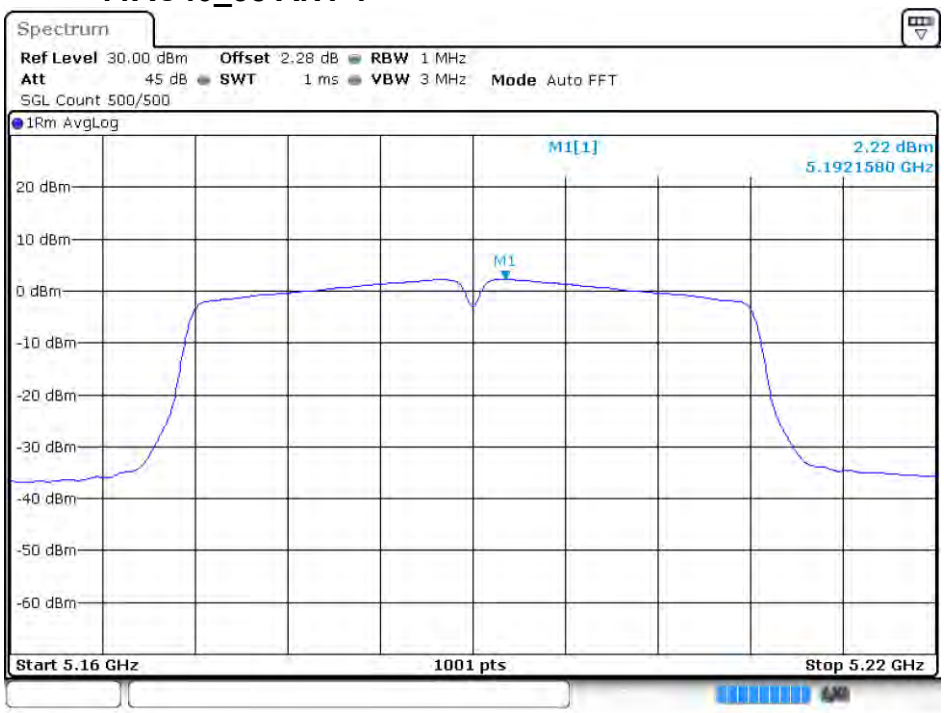
4.8.2.46 11AC40_38 ANT 1



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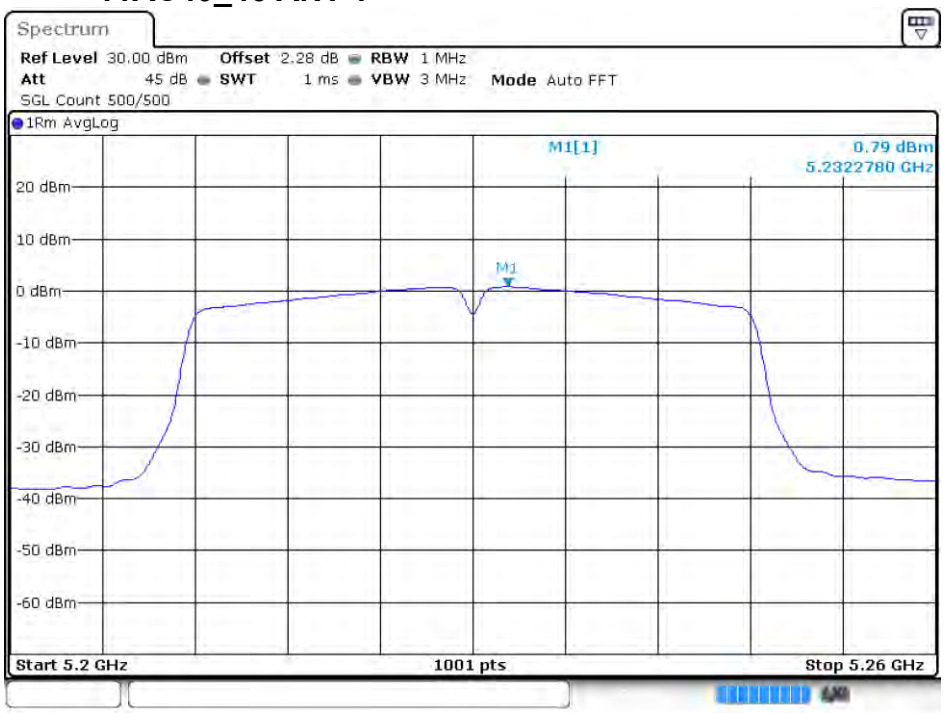
4.8.2.47 11AC40_46 ANT 1



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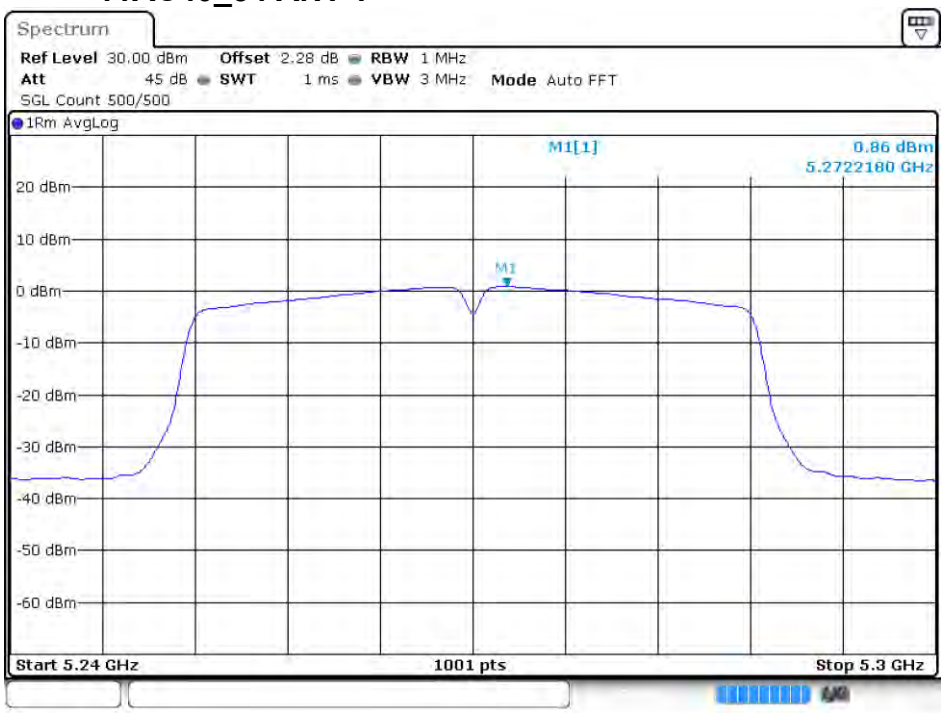
4.8.2.48 11AC40_54 ANT 1



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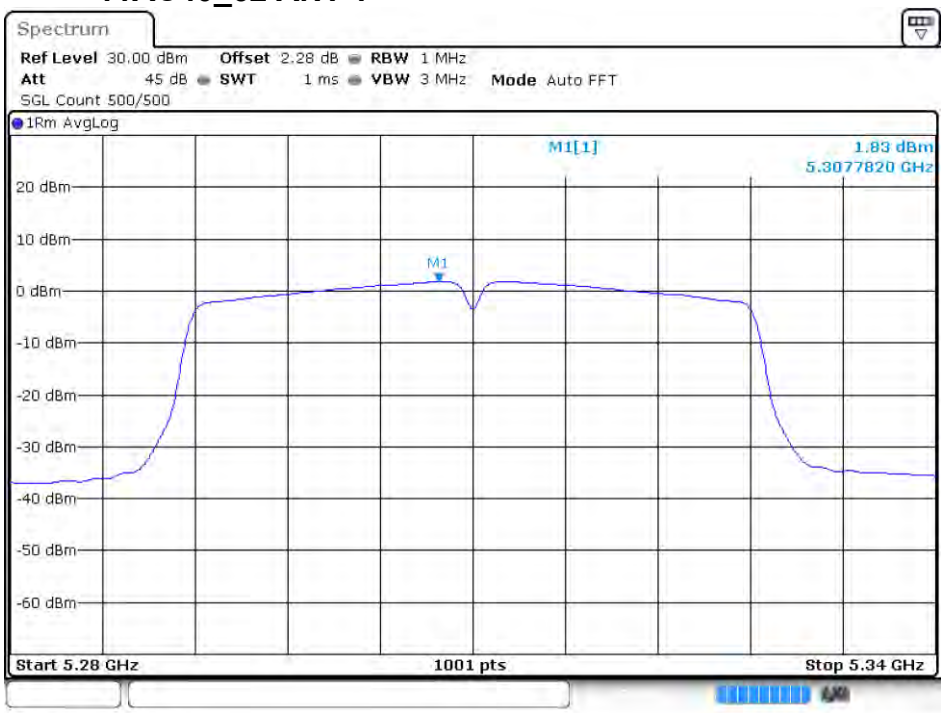
4.8.2.49 11AC40_62 ANT 1



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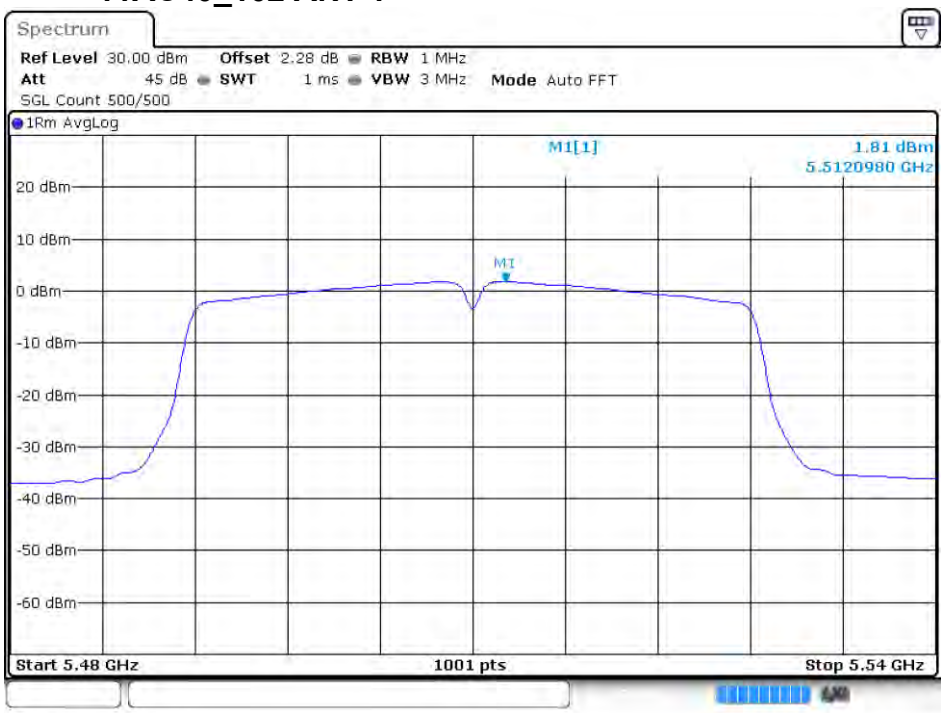

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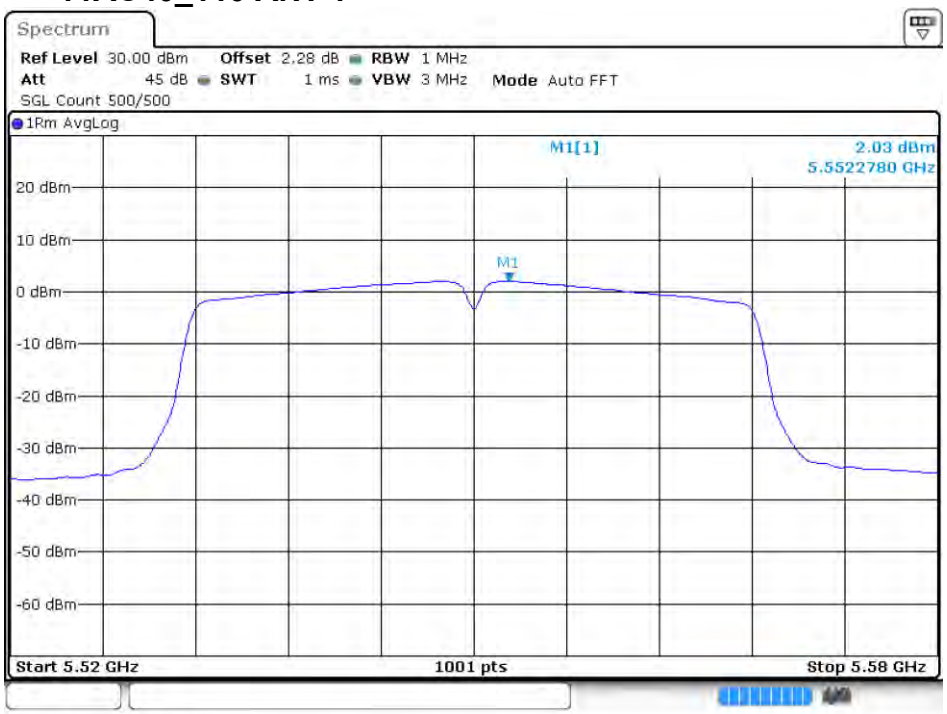

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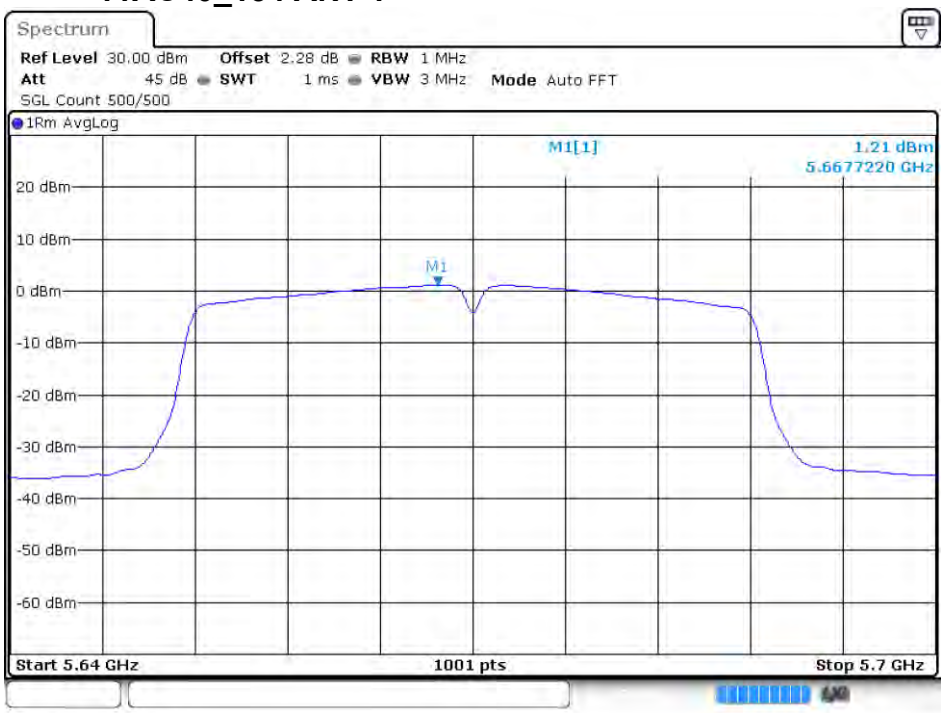

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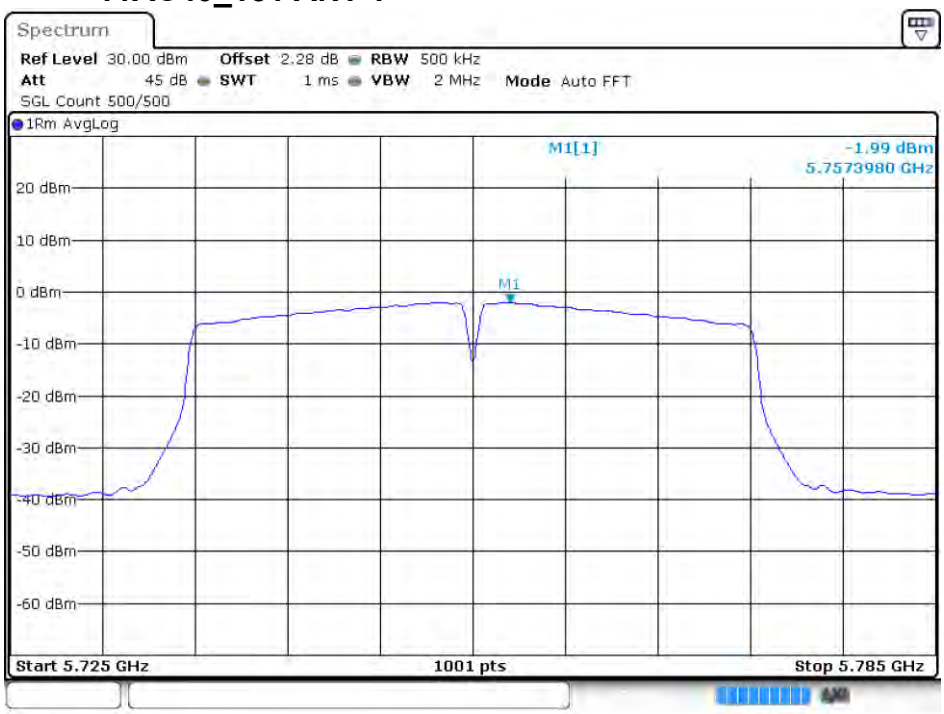

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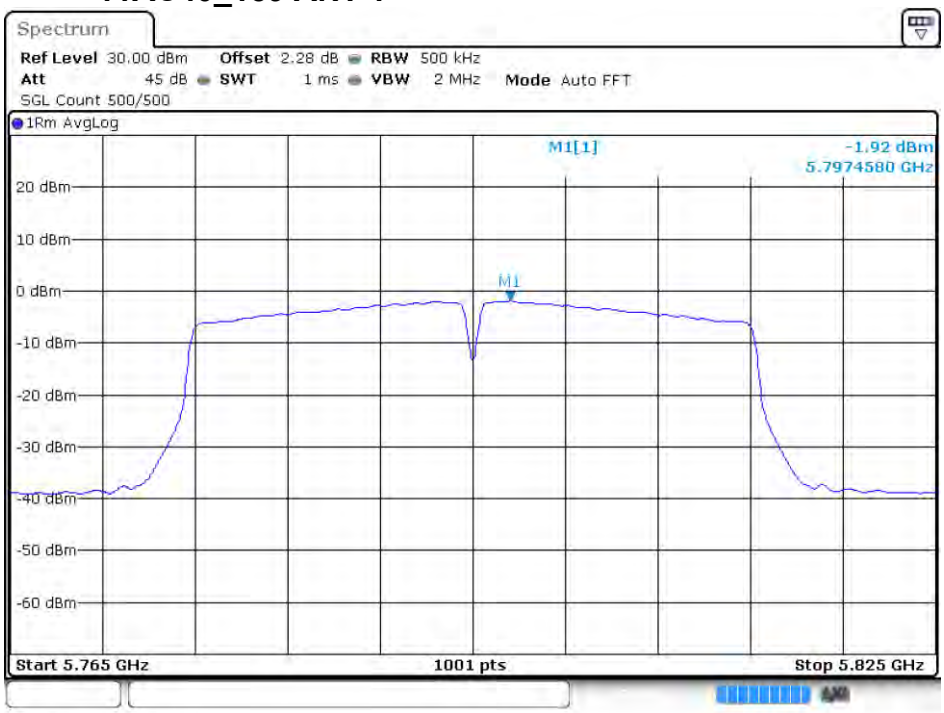
4.8.2.54 11AC40_159 ANT 1



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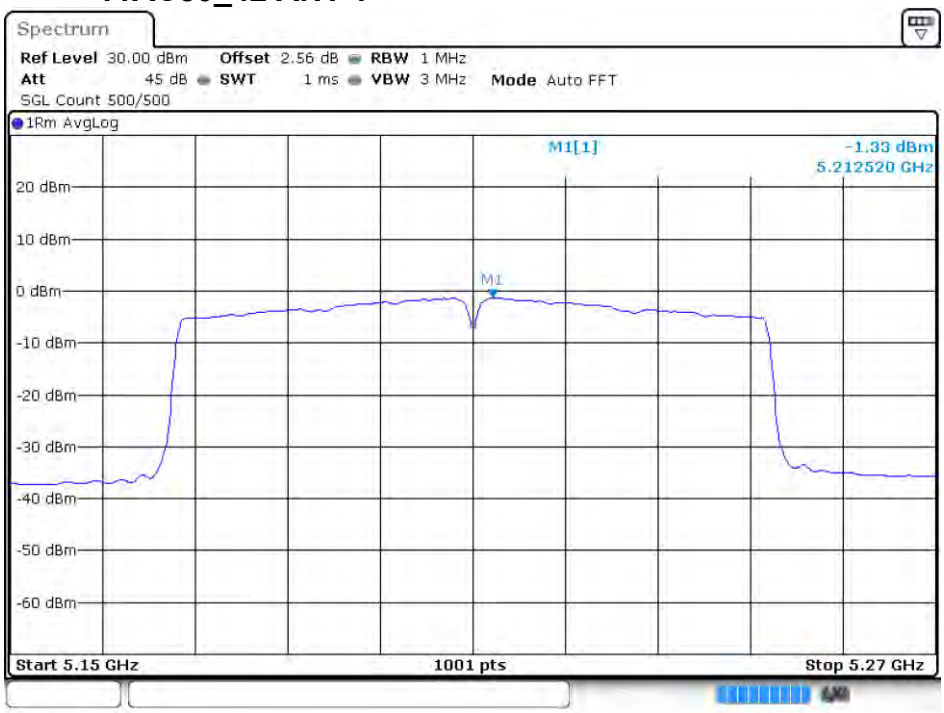
4.8.2.55 11AC80_42 ANT 1



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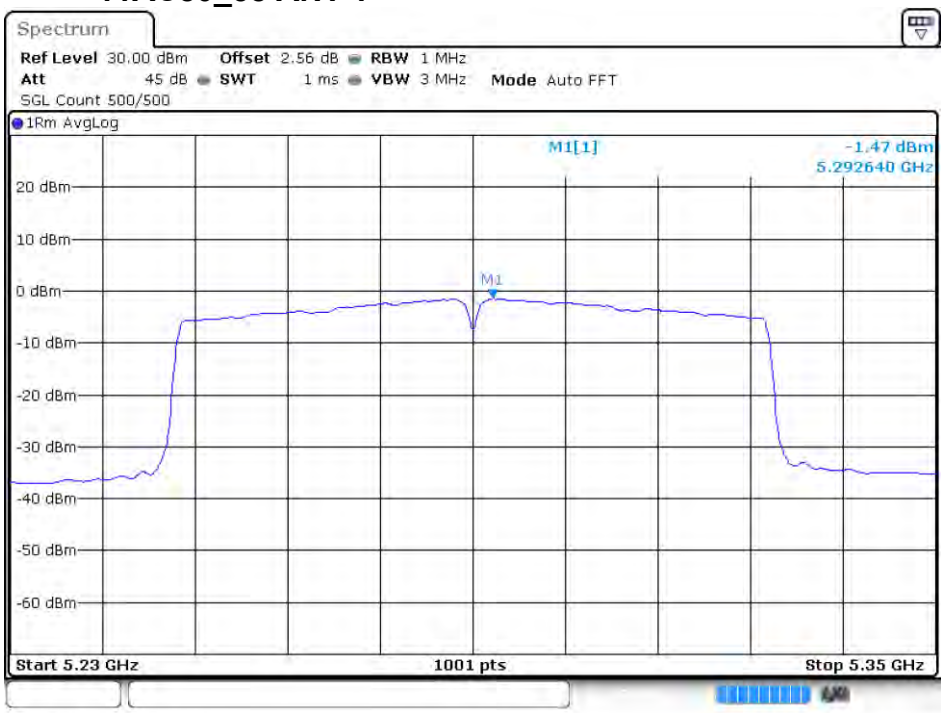
4.8.2.56 11AC80_58 ANT 1



Date: 26.APR.2020 04:47:32

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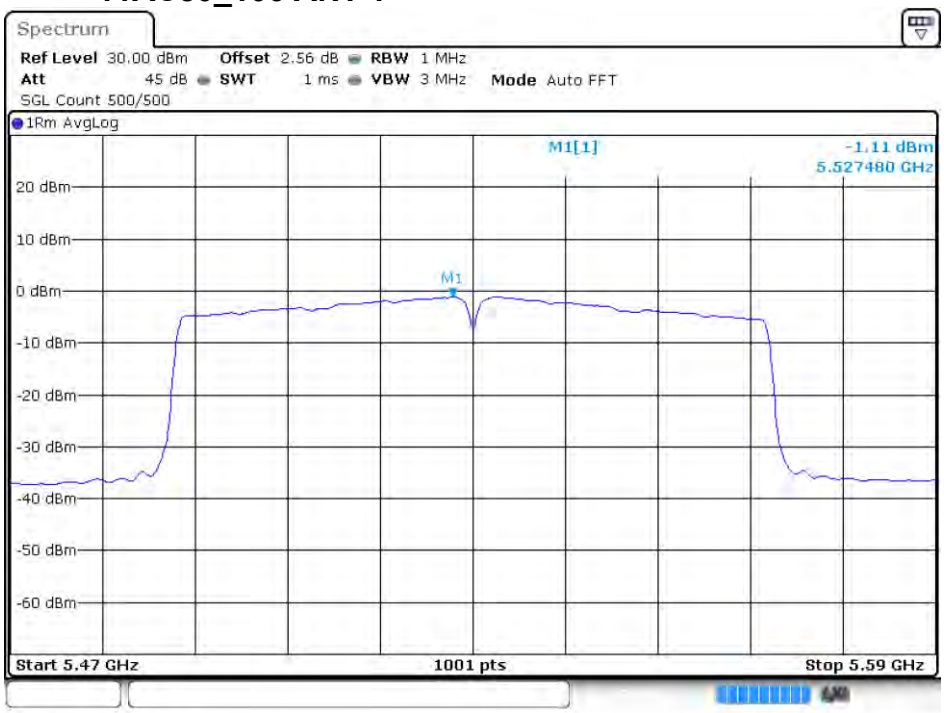
4.8.2.57 11AC80_106 ANT 1



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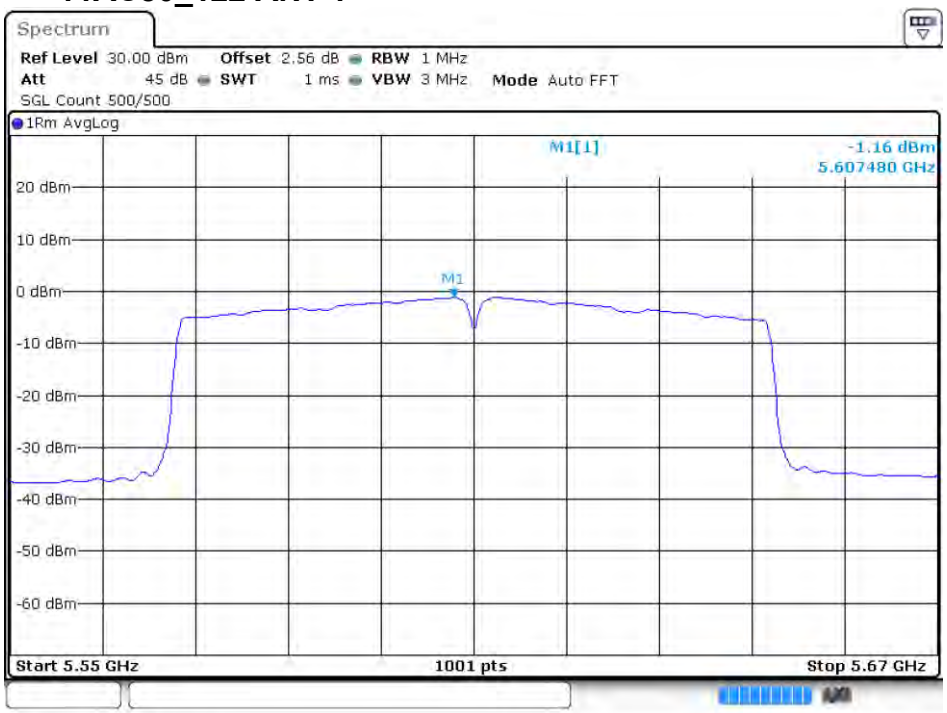
4.8.2.58 11AC80_122 ANT 1



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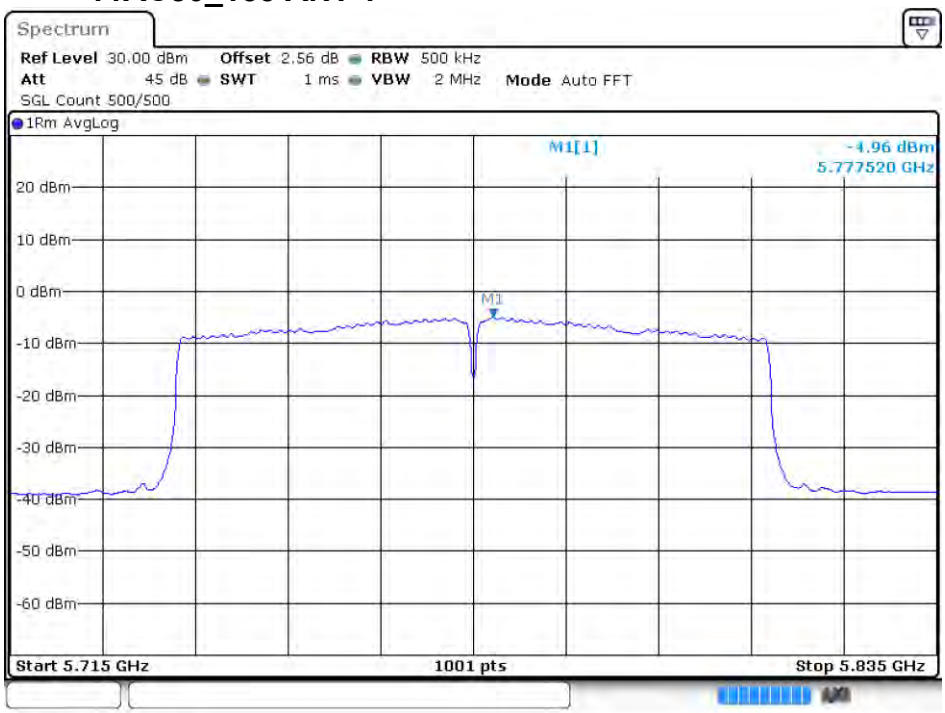

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4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test Setup:	

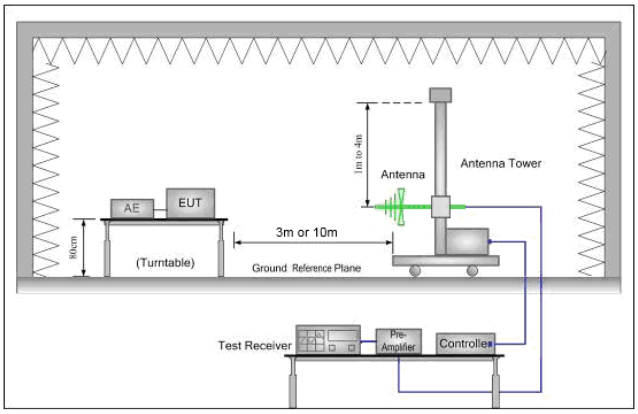

Figure 1. 30MHz to 1GHz

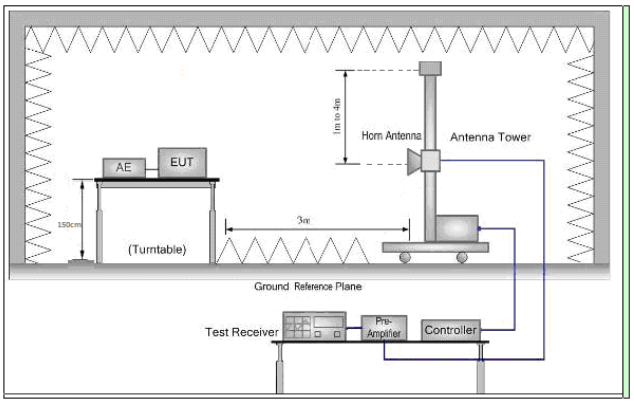

Figure 2. Above 1 GHz

Test Procedure:	a. For below 1GHz test, 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 camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. 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 rotatable 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. Test the EUT in the outermost channels. h. 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.

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	i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; 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 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80) For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

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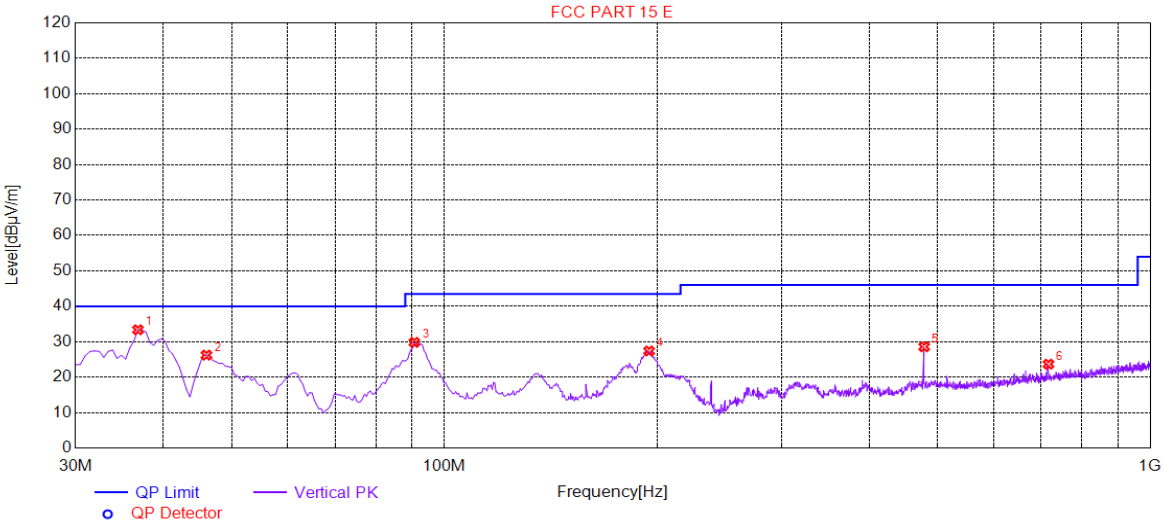
4.9.1 Radiated emission below 1GHz

Test mode:	Transmitting	Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.7934	33.38	-32.19	40.00	6.62	100	202	Vertical
2	46.0130	26.22	-30.20	40.00	13.78	100	345	Vertical
3	90.6553	29.83	-33.32	43.50	13.67	100	106	Vertical
4	194.9825	27.38	-31.35	43.50	16.12	100	115	Vertical
5	478.3642	28.57	-23.25	46.00	17.43	200	195	Vertical
6	717.5888	23.67	-18.32	46.00	22.33	100	255	Vertical

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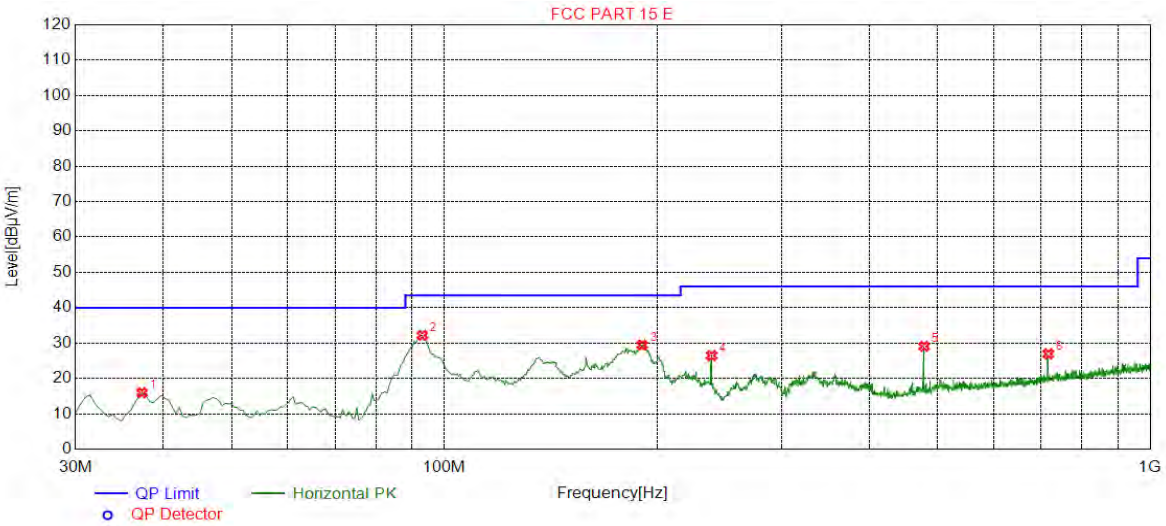
Test mode:	Transmitting	Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.2786	15.96	-32.03	40.00	24.04	200	220	Horizontal
2	93.0815	32.20	-32.89	43.50	11.30	200	276	Horizontal
3	190.615	29.44	-31.81	43.50	14.06	100	81	Horizontal
4	239.139	26.45	-29.63	46.00	19.55	100	110	Horizontal
5	478.364	29.07	-23.25	46.00	16.93	200	229	Horizontal
6	717.103	26.95	-18.33	46.00	19.05	100	81	Horizontal

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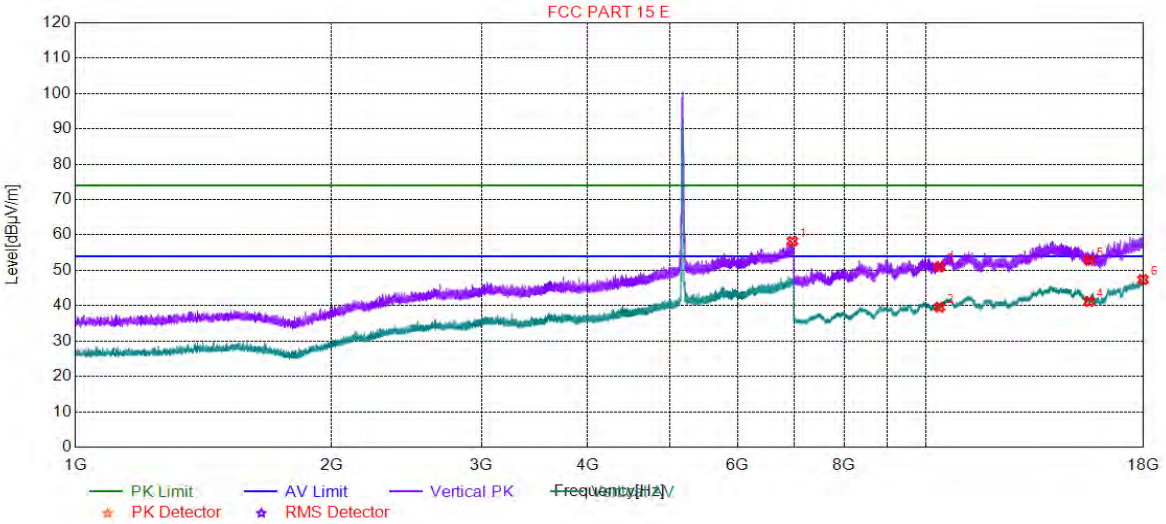
4.9.2 Transmitter emission above 1GHz

4.9.2.1 11A20_36 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6959.79	58.24	21.26	74.00	15.76	150	118	Vertical
2	10360.0	39.60	-3.63	54.00	14.40	150	125	Vertical
3	10360.0	51.01	-3.63	74.00	22.99	150	180	Vertical
4	15540.0	41.21	0.46	54.00	12.79	150	180	Vertical
5	15540.0	52.85	0.46	74.00	21.15	150	125	Vertical
6	17968.0	47.38	1.71	54.00	6.62	150	73	Vertical

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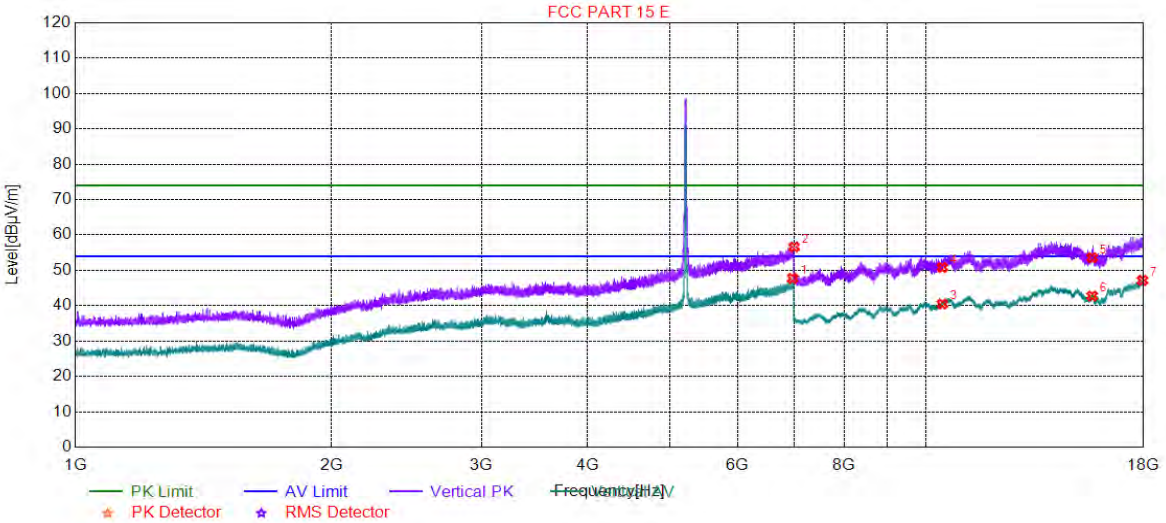
4.9.2.2 11A20_44 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6965.49	47.73	21.26	54.00	6.27	150	88	Vertical
2	6992.79	56.62	21.27	74.00	17.38	150	37	Vertical
3	10440.0	40.50	-3.24	54.00	13.50	150	149	Vertical
4	10440.0	50.80	-3.24	74.00	23.20	150	250	Vertical
5	15660.0	53.58	0.43	74.00	20.42	150	149	Vertical
6	15660.0	42.75	0.43	54.00	11.25	150	199	Vertical
7	17944.4	47.17	1.70	54.00	6.83	150	356	Vertical

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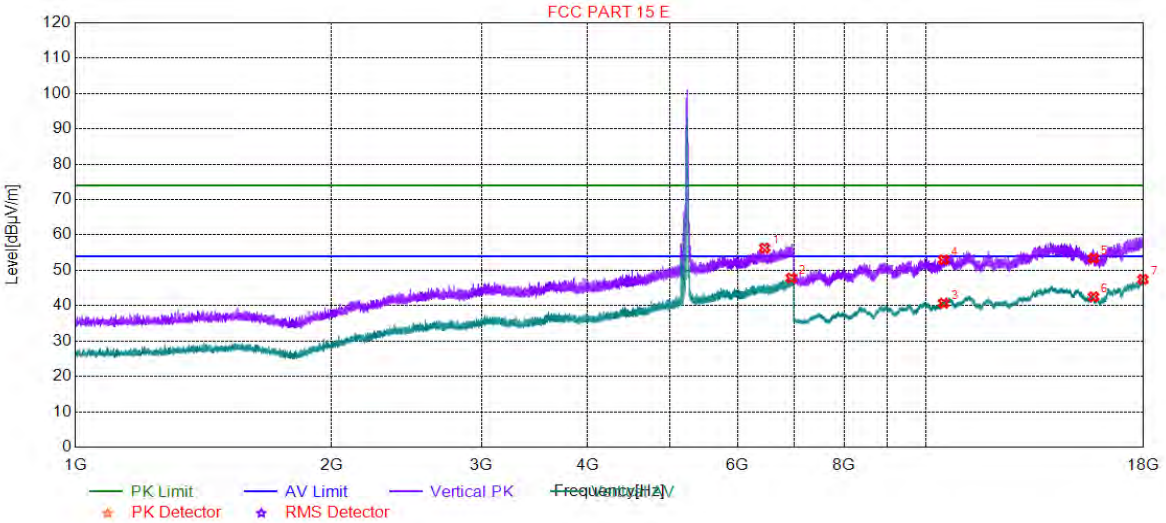
4.9.2.3 11A20_48 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6455.77	56.36	19.50	74.00	17.64	150	219	Vertical
2	6939.09	47.83	21.16	54.00	6.17	150	269	Vertical
3	10480.0	40.69	-2.94	54.00	13.31	150	42	Vertical
4	10480.0	52.97	-2.94	74.00	21.03	150	360	Vertical
5	15720.0	53.38	0.29	74.00	20.62	150	255	Vertical
6	15720.0	42.50	0.29	54.00	11.50	150	152	Vertical
7	17965.3	47.43	1.71	54.00	6.57	150	312	Vertical

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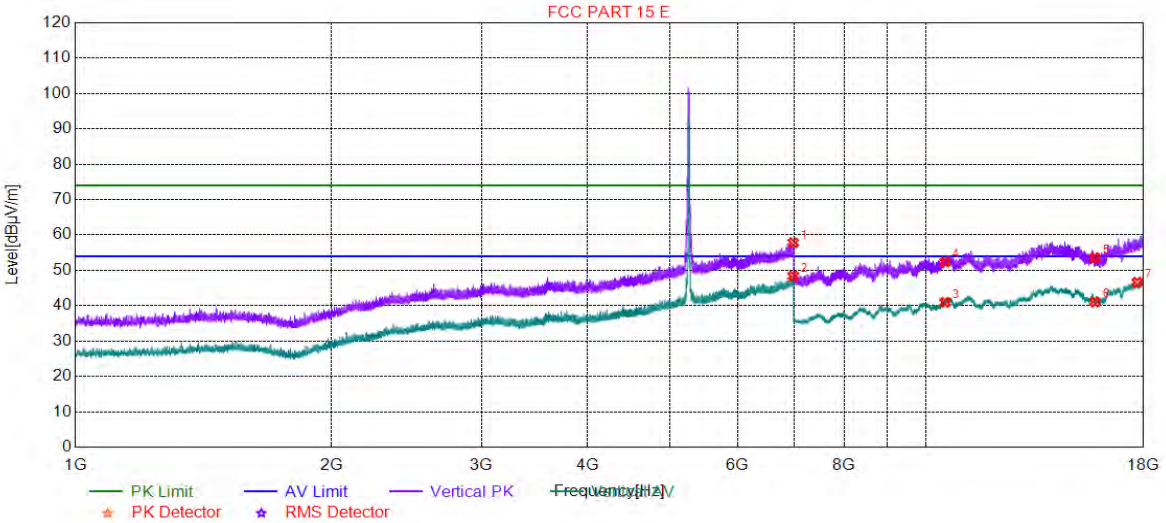
4.9.2.4 11A20_52 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6974.49	57.78	21.26	74.00	16.22	150	360	Vertical
2	6974.49	48.38	21.26	54.00	5.62	150	360	Vertical
3	10520.0	40.96	-2.80	54.00	13.04	150	86	Vertical
4	10520.0	52.36	-2.80	74.00	21.64	150	34	Vertical
5	15780.0	53.57	-0.72	74.00	20.43	150	303	Vertical
6	15780.0	41.07	-0.72	54.00	12.93	150	303	Vertical
7	17696.9	46.62	2.36	54.00	7.38	150	251	Vertical

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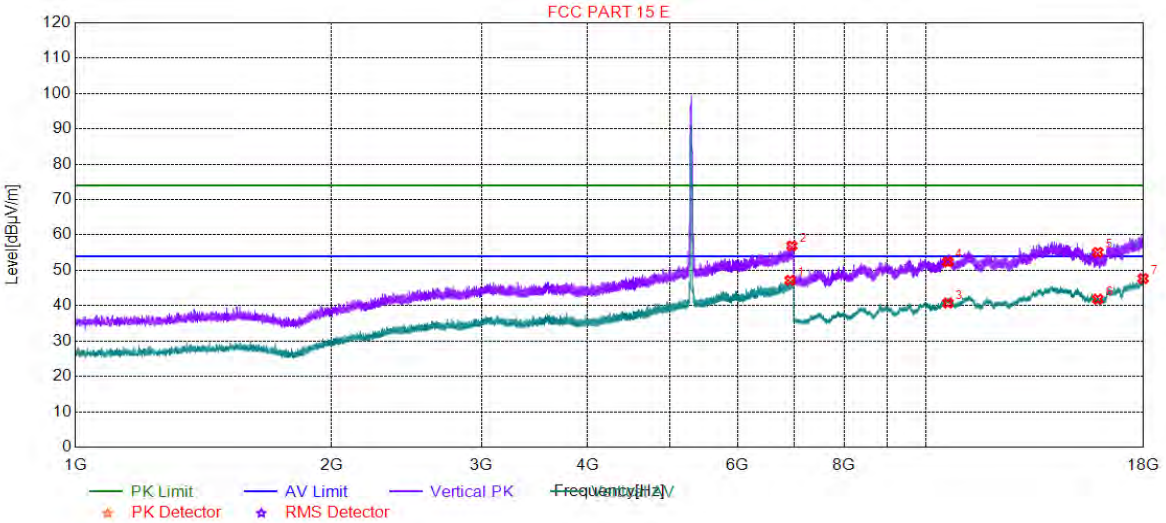
4.9.2.5 11A20_60 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6917.19	47.19	20.96	54.00	6.81	150	127	Vertical
2	6948.39	56.95	21.24	74.00	17.05	150	226	Vertical
3	10600.0	40.75	-2.86	54.00	13.25	150	296	Vertical
4	10600.0	52.39	-2.86	74.00	21.61	150	124	Vertical
5	15900.0	55.10	-0.51	74.00	18.90	150	296	Vertical
6	15900.0	41.85	-0.51	54.00	12.15	150	68	Vertical
7	17972.4	47.68	1.71	54.00	6.32	150	235	Vertical

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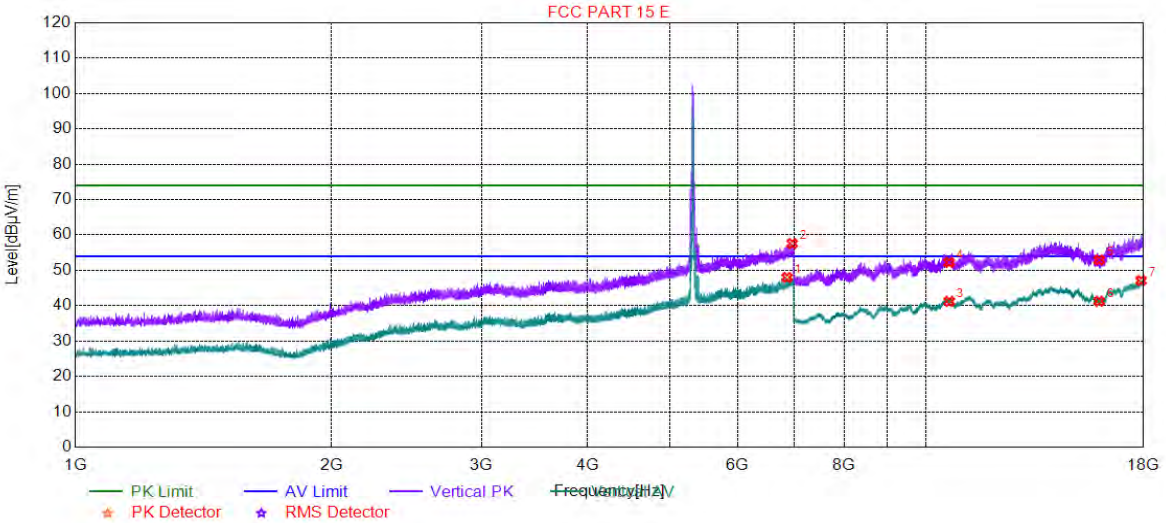
4.9.2.6 11A20_64 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6860.49	47.99	20.87	54.00	6.01	150	218	Vertical
2	6956.79	57.58	21.26	74.00	16.42	150	318	Vertical
3	10640.0	41.21	-2.84	54.00	12.79	150	79	Vertical
4	10640.0	52.23	-2.84	74.00	21.77	150	352	Vertical
5	15960.0	52.91	-0.61	74.00	21.09	150	187	Vertical
6	15960.0	41.26	-0.61	54.00	12.74	150	298	Vertical
7	17875.1	47.12	1.36	54.00	6.88	150	29	Vertical

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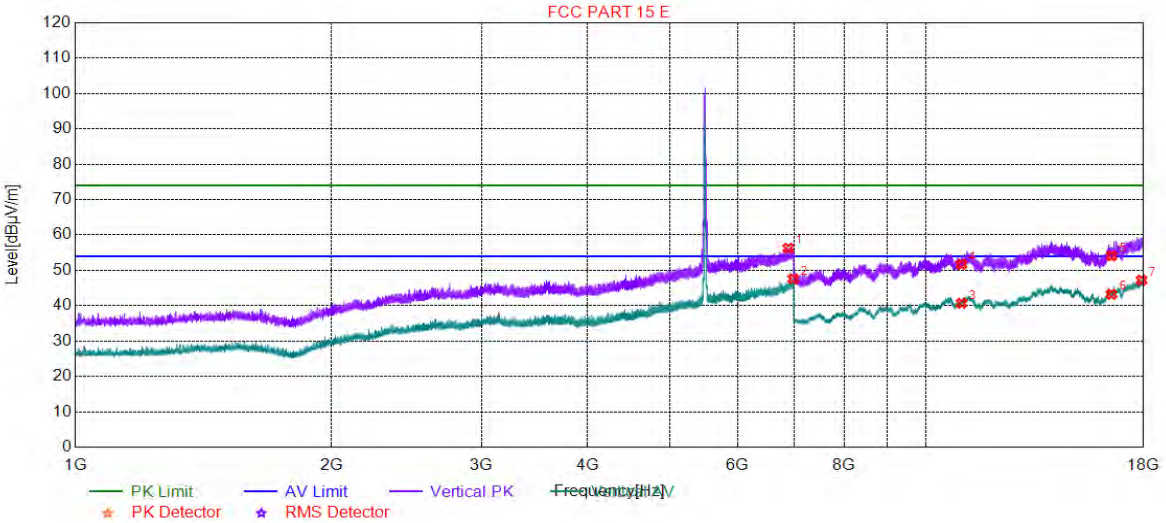
4.9.2.7 11A20_100 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6881.79	56.28	20.84	74.00	17.72	150	118	Vertical
2	6976.29	47.62	21.26	54.00	6.38	150	118	Vertical
3	11000.0	40.70	-2.17	54.00	13.30	150	82	Vertical
4	11000.0	51.71	-2.17	74.00	22.29	150	351	Vertical
5	16500.0	54.09	0.34	74.00	19.91	150	298	Vertical
6	16500.0	43.25	0.34	54.00	10.75	150	82	Vertical
7	17901.5	47.23	1.69	54.00	6.77	150	30	Vertical

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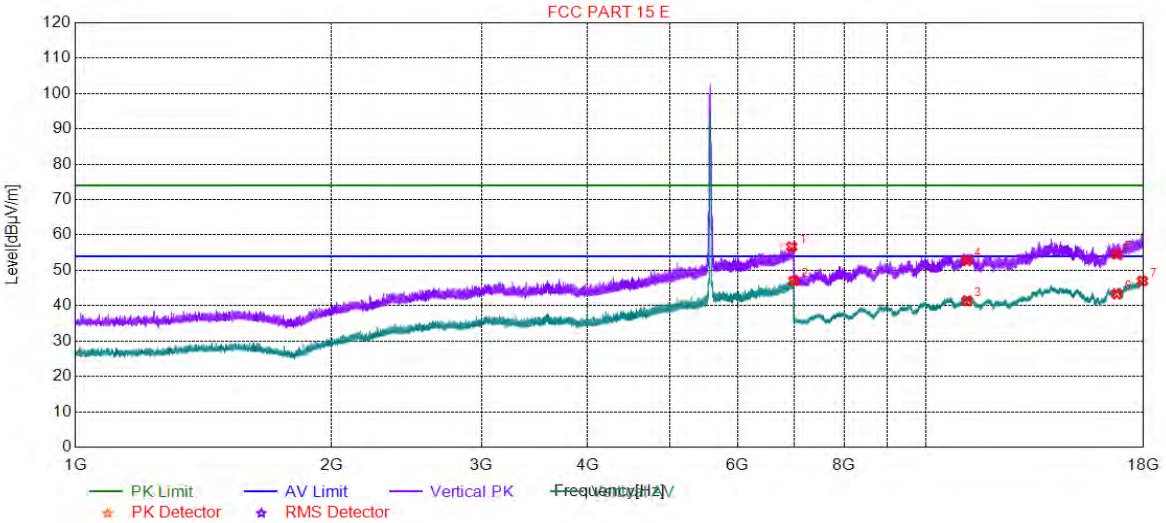
4.9.2.8 11A20_116 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.29	56.67	21.22	74.00	17.33	150	150	Vertical
2	6989.49	47.01	21.27	54.00	6.99	150	150	Vertical
3	11160.0	41.37	-2.32	54.00	12.63	150	145	Vertical
4	11160.0	52.75	-2.32	74.00	21.25	150	313	Vertical
5	16740.0	54.56	0.71	74.00	19.44	150	255	Vertical
6	16740.0	43.34	0.71	54.00	10.66	150	313	Vertical
7	17943.8	46.99	1.70	54.00	7.01	150	255	Vertical

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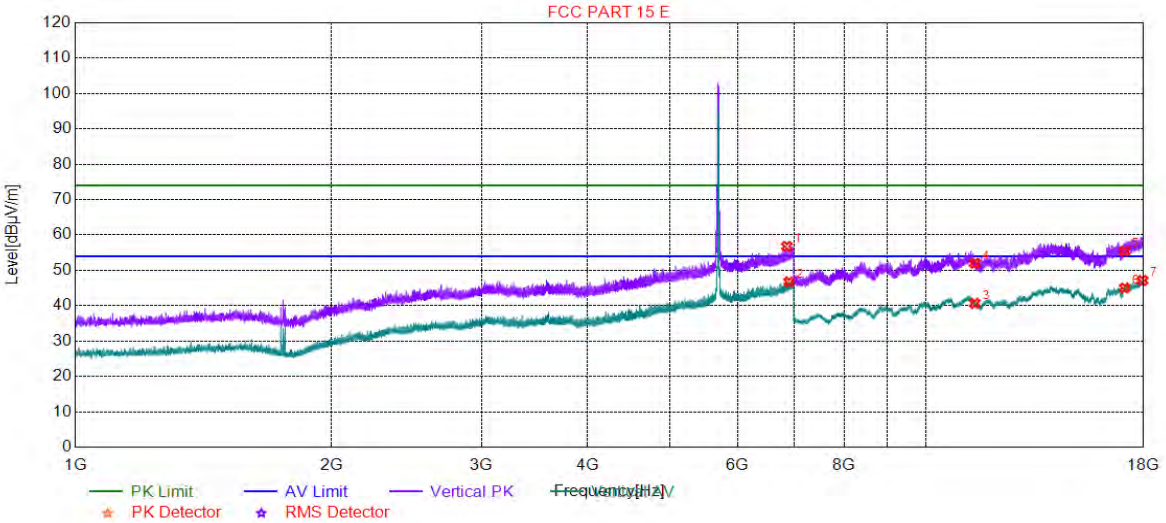
4.9.2.9 11A20_140 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6856.59	56.81	20.88	74.00	17.19	150	94	Vertical
2	6896.19	46.73	20.82	54.00	7.27	150	0	Vertical
3	11400.0	40.67	-2.15	54.00	13.33	150	194	Vertical
4	11400.0	52.00	-2.15	74.00	22.00	150	138	Vertical
5	17100.0	55.43	0.04	74.00	18.57	150	357	Vertical
6	17100.0	45.01	0.04	54.00	8.99	150	138	Vertical
7	17948.8	47.13	1.70	54.00	6.87	150	248	Vertical

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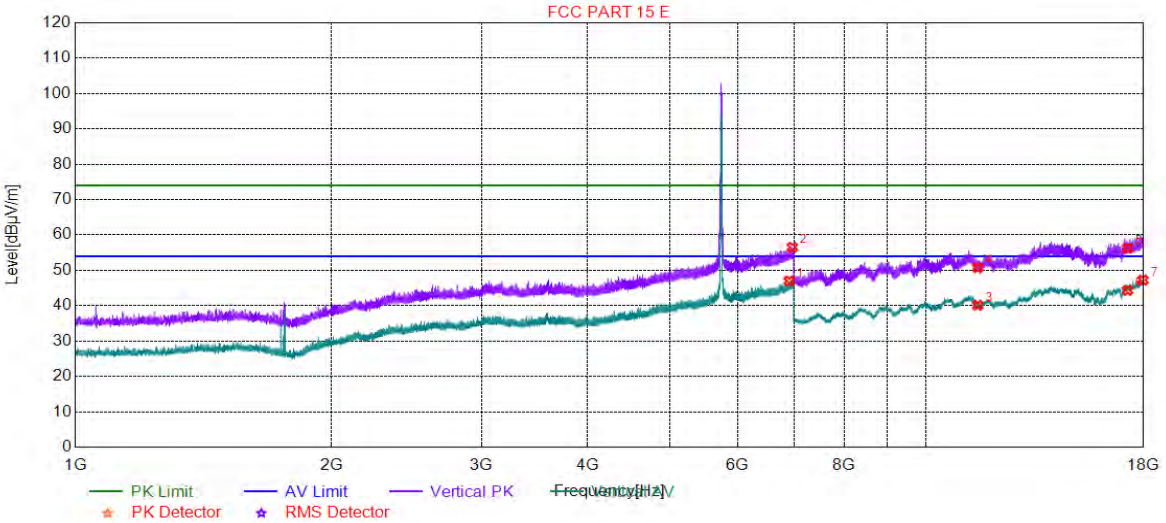
4.9.2.10 11A20_149 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6900.99	47.01	20.82	54.00	6.99	150	46	Vertical
2	6958.89	56.54	21.26	74.00	17.46	150	103	Vertical
3	11490.0	40.15	-2.03	54.00	13.85	150	193	Vertical
4	11490.0	50.73	-2.03	74.00	23.27	150	360	Vertical
5	17235.0	56.28	0.33	74.00	17.72	150	256	Vertical
6	17235.0	44.35	0.33	54.00	9.65	150	193	Vertical
7	17966.4	47.25	1.71	54.00	6.75	150	140	Vertical

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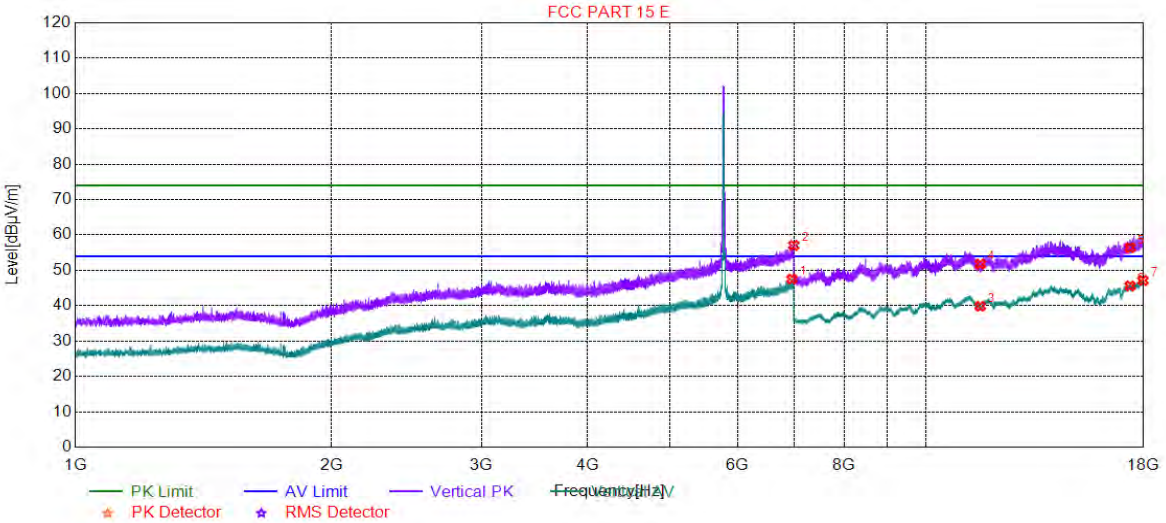
4.9.2.11 11A20_157 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6950.19	47.55	21.26	54.00	6.45	150	136	Vertical
2	6983.49	57.07	21.27	74.00	16.93	150	197	Vertical
3	11570.0	39.85	-2.39	54.00	14.15	150	33	Vertical
4	11570.0	51.79	-2.39	74.00	22.21	150	33	Vertical
5	17355.0	56.41	1.06	74.00	17.59	150	261	Vertical
6	17355.0	45.58	1.06	54.00	8.42	150	33	Vertical
7	17967.5	47.13	1.71	54.00	6.87	150	322	Vertical

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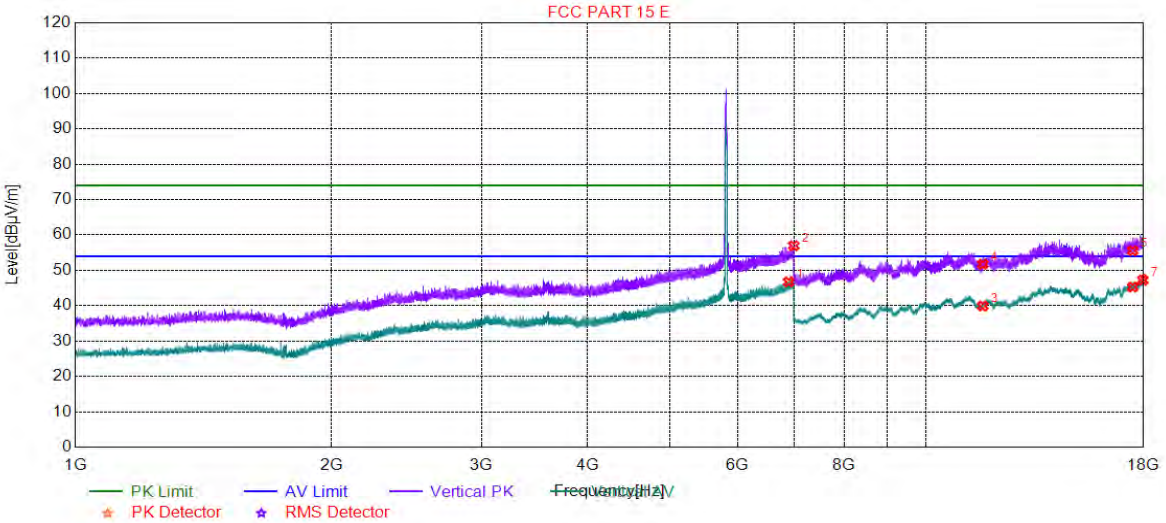
4.9.2.12 11A20_161 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6890.79	46.73	20.82	54.00	7.27	150	114	Vertical
2	6984.69	56.96	21.27	74.00	17.04	150	335	Vertical
3	11650.0	39.92	-2.49	54.00	14.08	150	353	Vertical
4	11650.0	51.72	-2.49	74.00	22.28	150	135	Vertical
5	17475.0	55.55	1.76	74.00	18.45	150	26	Vertical
6	17475.0	45.27	1.76	54.00	8.73	150	76	Vertical
7	17957.6	47.23	1.71	54.00	6.77	150	76	Vertical

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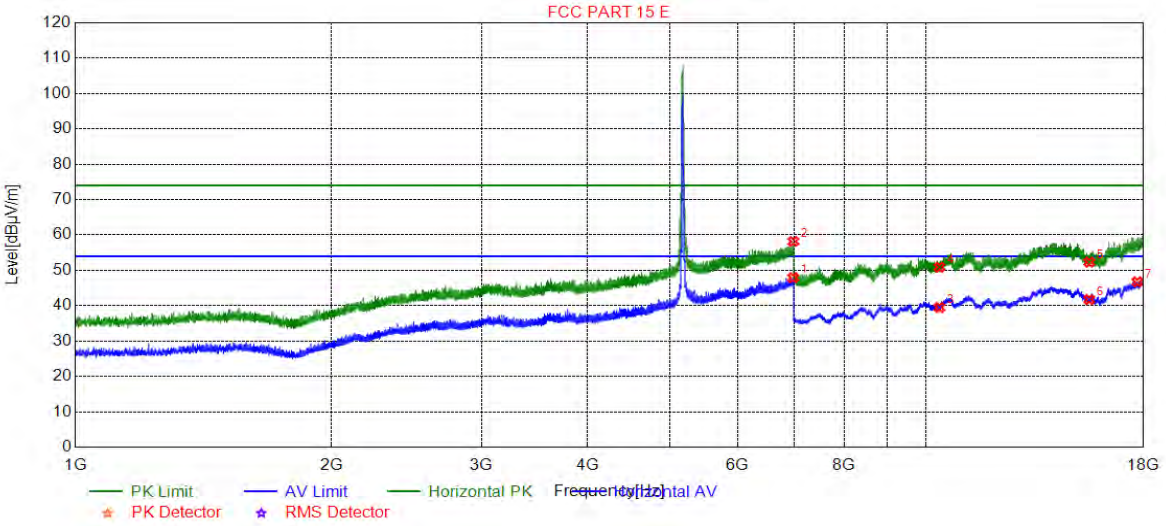
4.9.2.13 11A20_36 ANT 1_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6973.89	47.92	21.26	54.00	6.08	150	0	Horizontal
2	6977.79	58.18	21.26	74.00	15.82	150	141	Horizontal
3	10360.0	39.51	-3.63	54.00	14.49	150	234	Horizontal
4	10360.0	50.90	-3.63	74.00	23.10	150	181	Horizontal
5	15540.0	52.30	0.46	74.00	21.70	150	181	Horizontal
6	15540.0	41.75	0.46	54.00	12.25	150	127	Horizontal
7	17697.4	46.75	2.36	54.00	7.25	150	77	Horizontal

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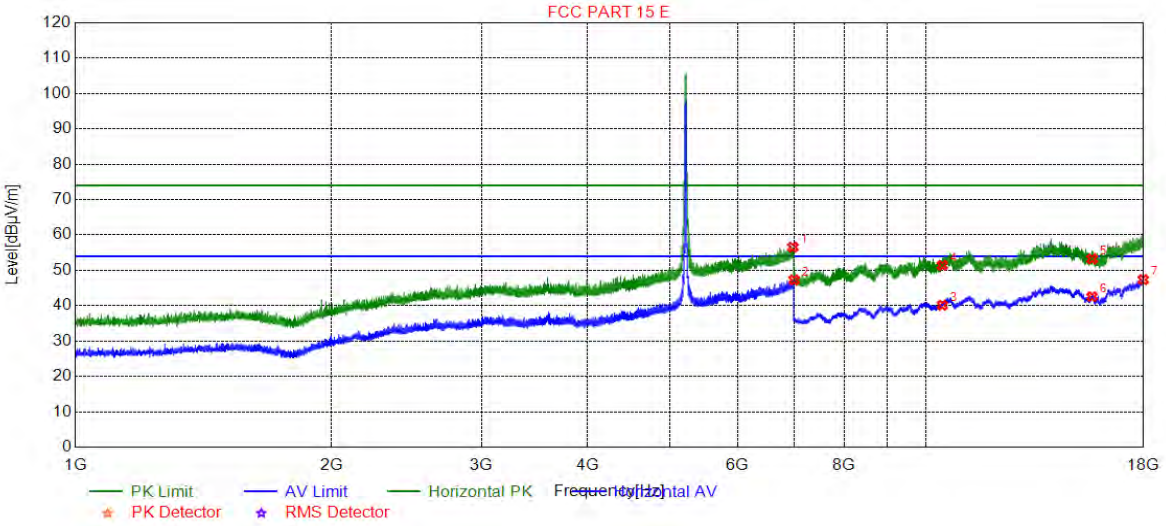
4.9.2.14 11A20_44 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6969.69	56.57	21.26	74.00	17.43	150	360	Horizontal
2	6990.69	47.28	21.27	54.00	6.72	150	128	Horizontal
3	10440.0	40.15	-3.24	54.00	13.85	150	248	Horizontal
4	10440.0	51.41	-3.24	74.00	22.59	150	198	Horizontal
5	15660.0	53.24	0.43	74.00	20.76	150	248	Horizontal
6	15660.0	42.57	0.43	54.00	11.43	150	29	Horizontal
7	17982.9	47.36	1.71	54.00	6.64	150	84	Horizontal

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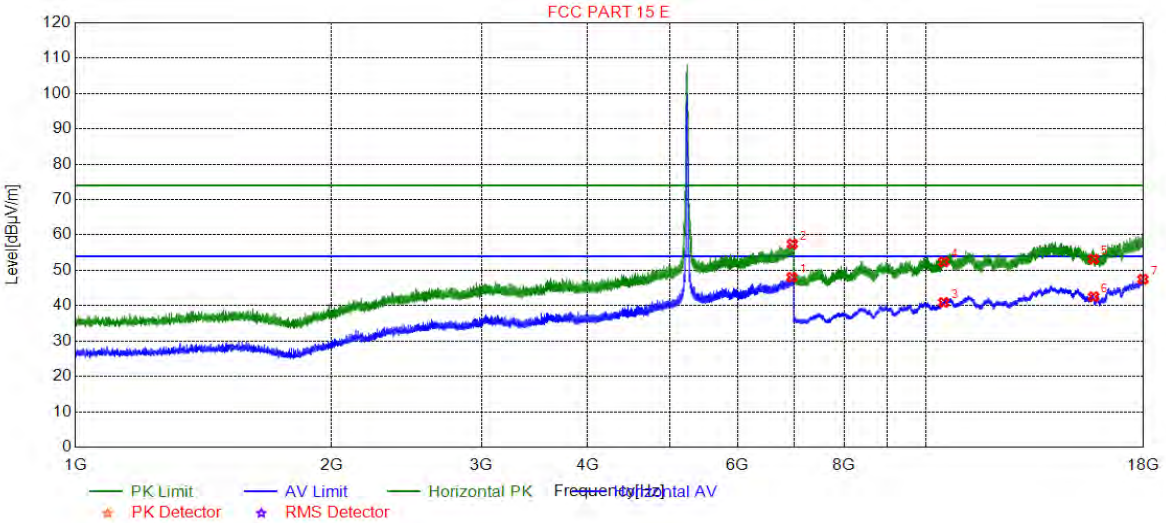
4.9.2.15 11A20_48 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6949.59	48.03	21.25	54.00	5.97	150	0	Horizontal
2	6959.79	57.48	21.26	74.00	16.52	150	0	Horizontal
3	10480.0	40.91	-2.94	54.00	13.09	150	0	Horizontal
4	10480.0	52.37	-2.94	74.00	21.63	150	0	Horizontal
5	15720.0	53.18	0.29	74.00	20.82	150	82	Horizontal
6	15720.0	42.54	0.29	54.00	11.46	150	0	Horizontal
7	17965.8	47.47	1.71	54.00	6.53	150	0	Horizontal

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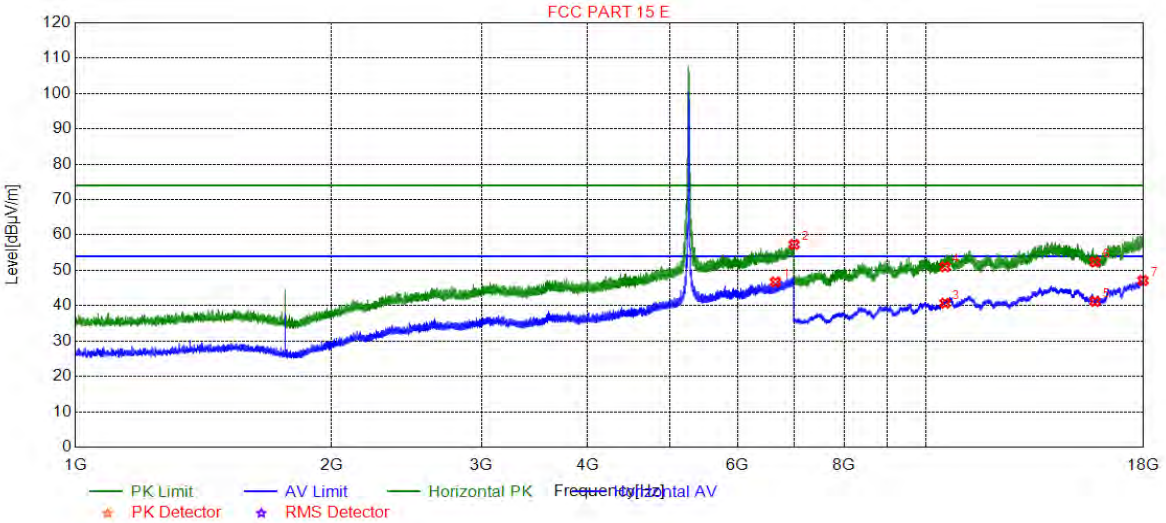
4.9.2.16 11A20_52 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6648.38	46.71	19.81	54.00	7.29	150	0	Horizontal
2	6992.79	57.30	21.27	74.00	16.70	150	238	Horizontal
3	10520.0	40.71	-2.80	54.00	13.29	150	56	Horizontal
4	10520.0	50.98	-2.80	74.00	23.02	150	289	Horizontal
5	15780.0	41.21	-0.72	54.00	12.79	150	170	Horizontal
6	15780.0	52.36	-0.72	74.00	21.64	150	2	Horizontal
7	17969.1	47.14	1.71	54.00	6.86	150	342	Horizontal

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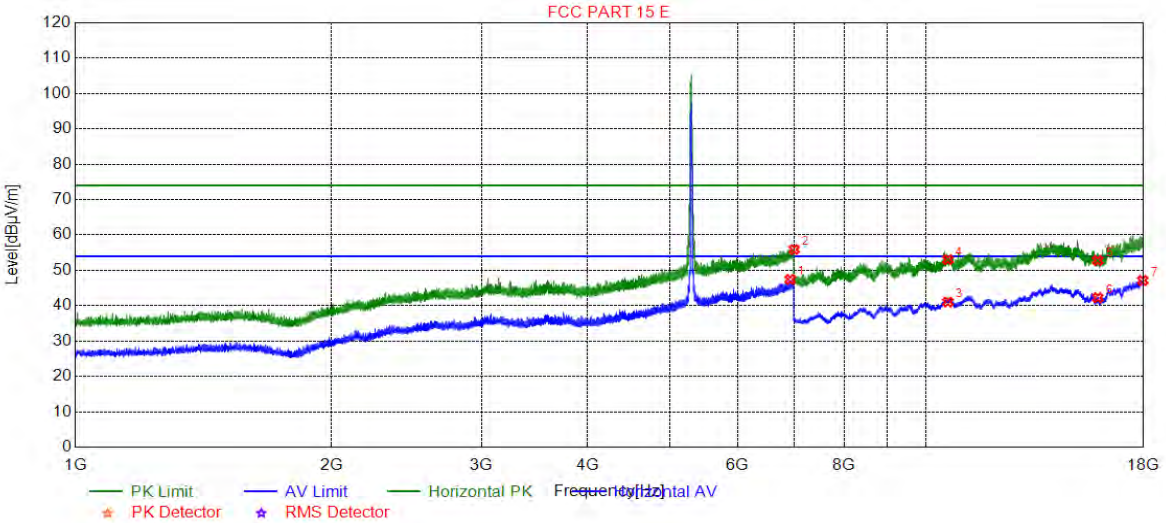
4.9.2.17 11A20_60 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6918.09	47.42	20.97	54.00	6.58	150	238	Horizontal
2	6992.49	55.91	21.27	74.00	18.09	150	238	Horizontal
3	10600.0	41.05	-2.86	54.00	12.95	150	154	Horizontal
4	10600.0	53.02	-2.86	74.00	20.98	150	48	Horizontal
5	15900.0	52.79	-0.51	74.00	21.21	150	259	Horizontal
6	15900.0	42.24	-0.51	54.00	11.76	150	329	Horizontal
7	17956.5	47.14	1.71	54.00	6.86	150	206	Horizontal

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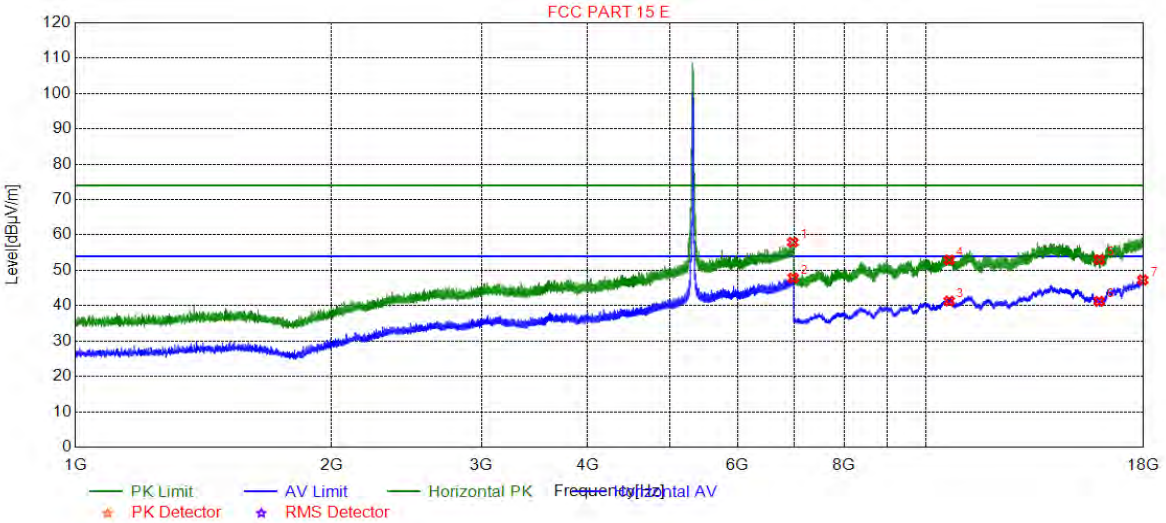
4.9.2.18 11A20_64 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6966.39	57.92	21.26	74.00	16.08	150	42	Horizontal
2	6975.09	47.83	21.26	54.00	6.17	150	92	Horizontal
3	10640.0	41.32	-2.84	54.00	12.68	150	335	Horizontal
4	10640.0	52.92	-2.84	74.00	21.08	150	66	Horizontal
5	15960.0	53.04	-0.61	74.00	20.96	150	117	Horizontal
6	15960.0	41.25	-0.61	54.00	12.75	150	335	Horizontal
7	17956.5	47.26	1.71	54.00	6.74	150	335	Horizontal

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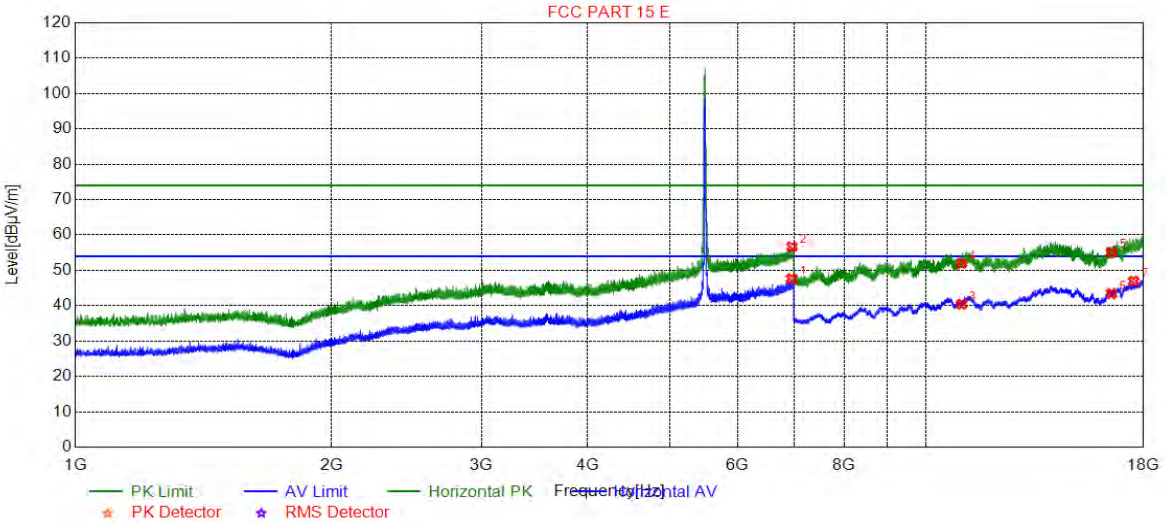
4.9.2.19 11A20_100 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.59	47.62	21.22	54.00	6.38	150	37	Horizontal
2	6952.29	56.68	21.26	74.00	17.32	150	91	Horizontal
3	11000.0	40.40	-2.17	54.00	13.60	150	276	Horizontal
4	11000.0	51.98	-2.17	74.00	22.02	150	224	Horizontal
5	16500.0	55.05	0.34	74.00	18.95	150	174	Horizontal
6	16500.0	43.42	0.34	54.00	10.58	150	329	Horizontal
7	17521.4	46.96	2.00	54.00	7.04	150	11	Horizontal

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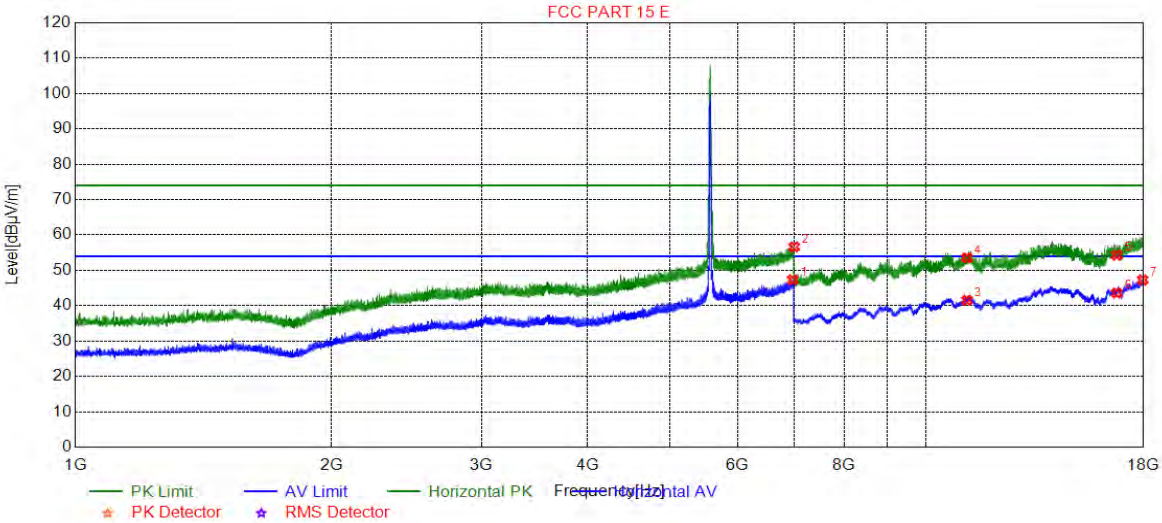
4.9.2.20 11A20_116 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6965.79	47.31	21.26	54.00	6.69	150	259	Horizontal
2	6993.39	56.63	21.27	74.00	17.37	150	79	Horizontal
3	11160.0	41.54	-2.32	54.00	12.46	150	142	Horizontal
4	11160.0	53.55	-2.32	74.00	20.45	150	193	Horizontal
5	16740.0	54.30	0.71	74.00	19.70	150	292	Horizontal
6	16740.0	43.61	0.71	54.00	10.39	150	142	Horizontal
7	17954.3	47.26	1.71	54.00	6.74	150	292	Horizontal

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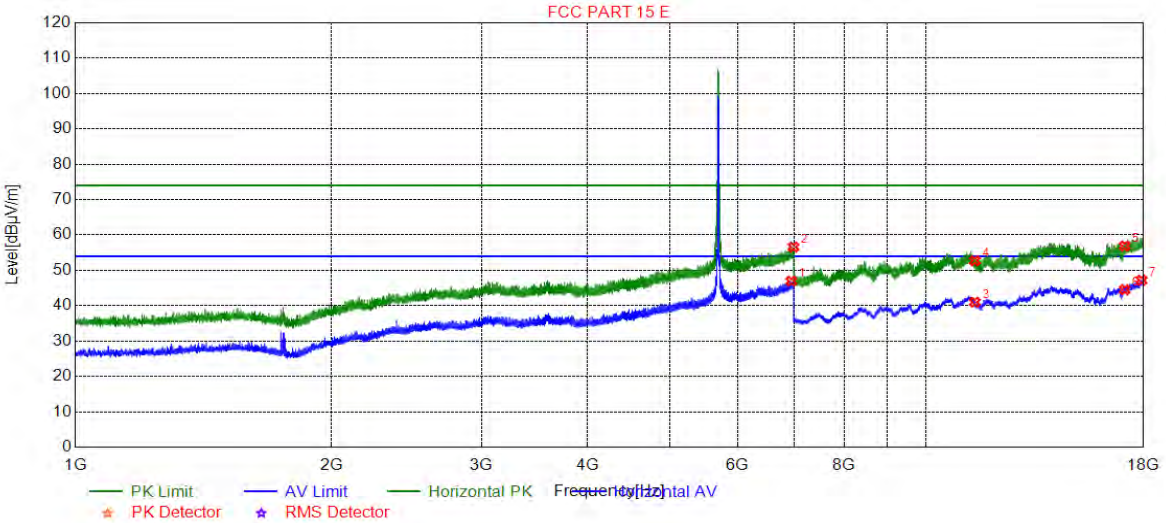
4.9.2.21 11A20_140 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6938.19	46.95	21.15	54.00	7.05	150	18	Horizontal
2	6979.59	56.60	21.26	74.00	17.40	150	18	Horizontal
3	11400.0	41.00	-2.15	54.00	13.00	150	134	Horizontal
4	11400.0	52.73	-2.15	74.00	21.27	150	134	Horizontal
5	17100.0	56.91	0.04	74.00	17.09	150	284	Horizontal
6	17100.0	44.54	0.04	54.00	9.46	150	84	Horizontal
7	17903.1	47.21	1.69	54.00	6.79	150	234	Horizontal

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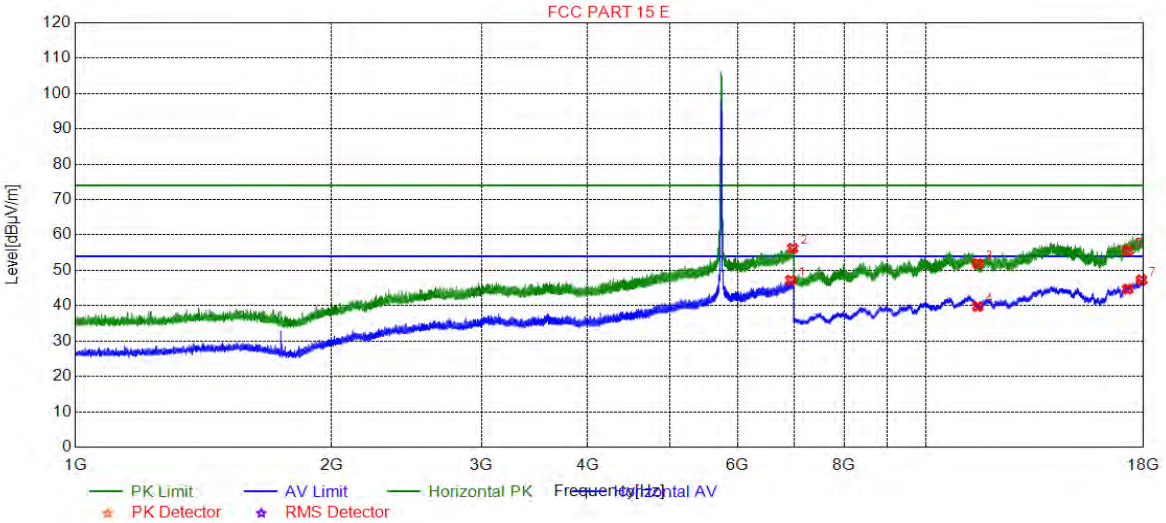
4.9.2.22 11A20_149 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6929.19	47.22	21.07	54.00	6.78	150	73	Horizontal
2	6963.69	56.25	21.26	74.00	17.75	150	263	Horizontal
3	11490.0	51.92	-2.03	74.00	22.08	150	287	Horizontal
4	11490.0	39.78	-2.03	54.00	14.22	150	287	Horizontal
5	17235.0	55.54	0.33	74.00	18.46	150	170	Horizontal
6	17235.0	44.69	0.33	54.00	9.31	150	118	Horizontal
7	17902.6	47.30	1.69	54.00	6.70	150	338	Horizontal

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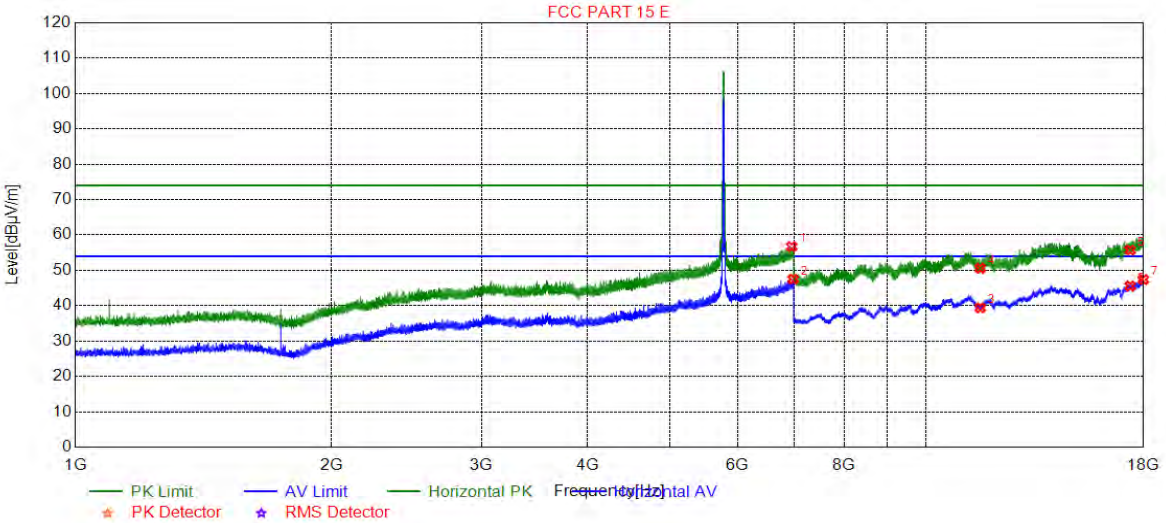
4.9.2.23 11A20_157 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6943.89	56.70	21.20	74.00	17.30	150	253	Horizontal
2	6972.99	47.52	21.26	54.00	6.48	150	83	Horizontal
3	11570.0	39.42	-2.39	54.00	14.58	150	84	Horizontal
4	11570.0	50.60	-2.39	74.00	23.40	150	140	Horizontal
5	17355.0	55.73	1.06	74.00	18.27	150	193	Horizontal
6	17355.0	45.55	1.06	54.00	8.45	150	329	Horizontal
7	17987.3	47.39	1.72	54.00	6.61	150	140	Horizontal

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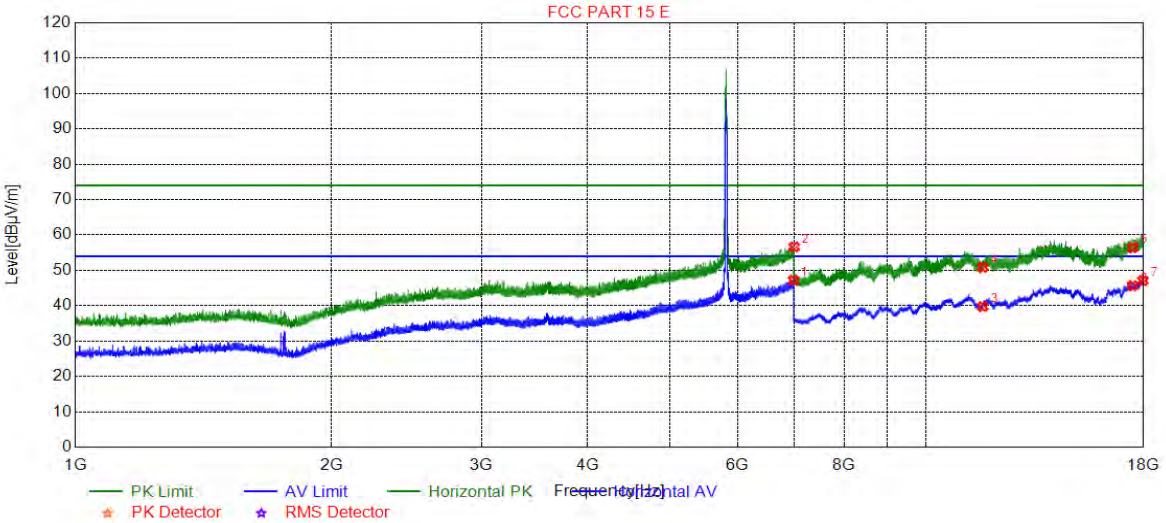
4.9.2.24 11A20_161 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6982.29	47.20	21.26	54.00	6.80	150	18	Horizontal
2	6993.39	56.64	21.27	74.00	17.36	150	352	Horizontal
3	11650.0	39.76	-2.49	54.00	14.24	150	203	Horizontal
4	11650.0	50.87	-2.49	74.00	23.13	150	308	Horizontal
5	17475.0	56.42	1.76	74.00	17.58	150	254	Horizontal
6	17475.0	45.67	1.76	54.00	8.33	150	308	Horizontal
7	17966.4	47.10	1.71	54.00	6.90	150	32	Horizontal

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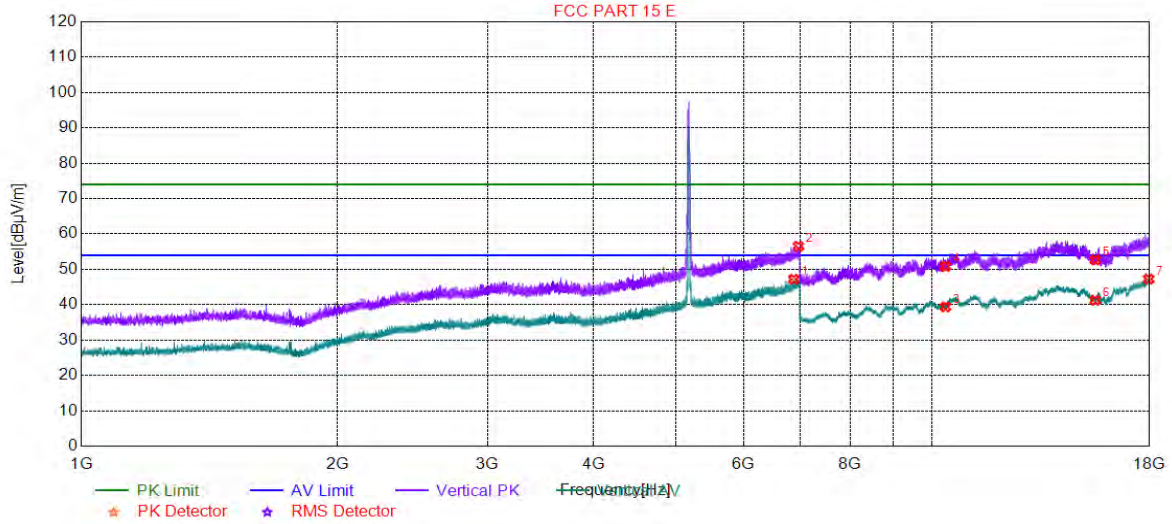
4.9.2.25 11N20_36 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6871.89	47.19	20.85	54.00	6.81	150	333	Vertical
2	6961.29	56.56	21.26	74.00	17.44	150	183	Vertical
3	10360.0	39.39	-3.63	54.00	14.61	150	356	Vertical
4	10360.0	50.82	-3.63	74.00	23.18	150	139	Vertical
5	15540.0	52.69	0.46	74.00	21.31	150	80	Vertical
6	15540.0	41.25	0.46	54.00	12.75	150	80	Vertical
7	17950.4	47.25	1.71	54.00	6.75	150	253	Vertical

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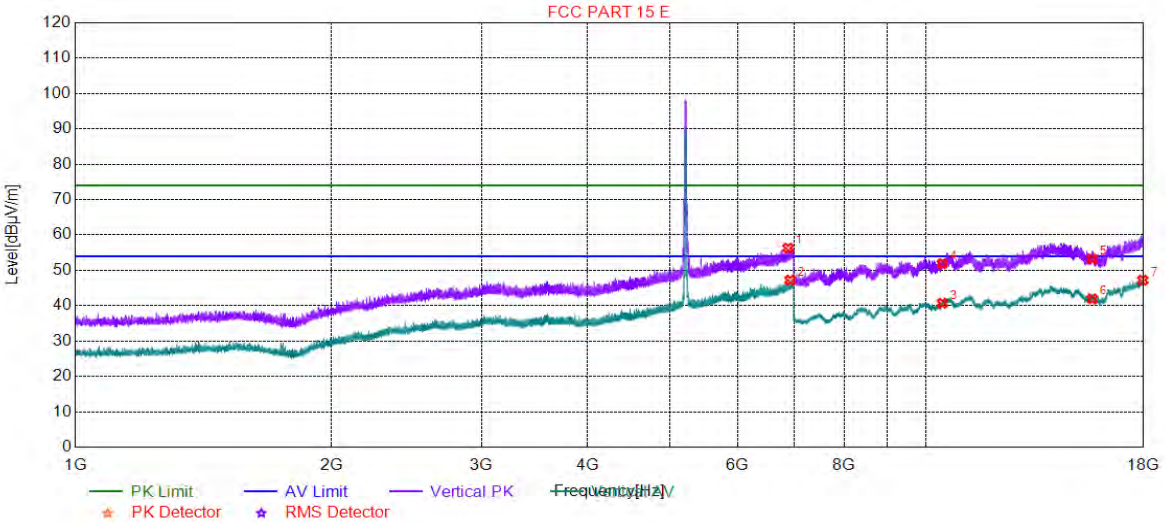
4.9.2.26 11N20_44 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6879.09	56.30	20.84	74.00	17.70	150	248	Vertical
2	6915.99	47.23	20.95	54.00	6.77	150	307	Vertical
3	10440.0	40.69	-3.24	54.00	13.31	150	88	Vertical
4	10440.0	51.88	-3.24	74.00	22.12	150	88	Vertical
5	15660.0	53.21	0.43	74.00	20.79	150	205	Vertical
6	15660.0	41.92	0.43	54.00	12.08	150	269	Vertical
7	17956.5	47.21	1.71	54.00	6.79	150	320	Vertical

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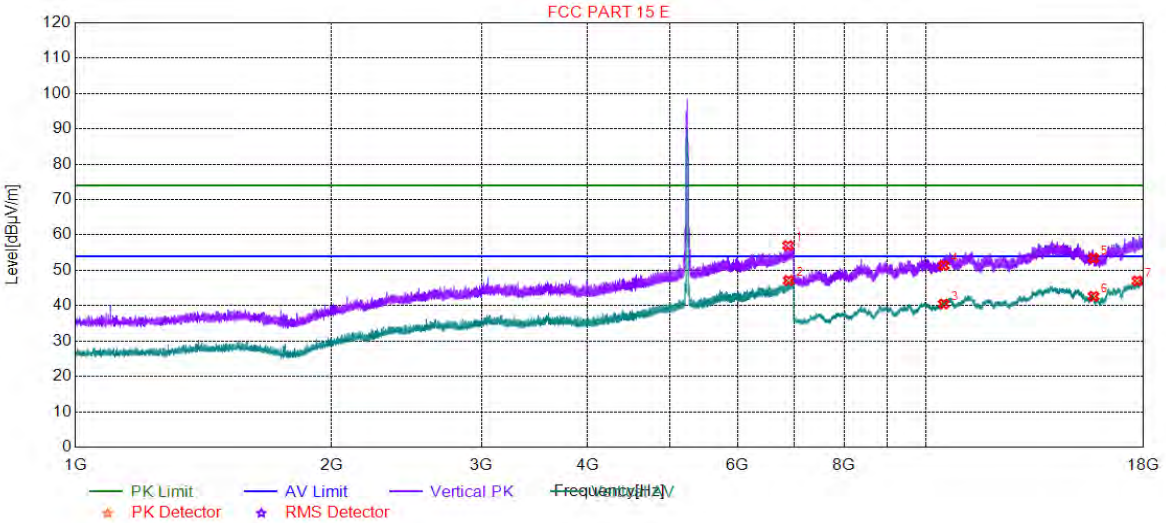
4.9.2.27 11N20_48 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6879.69	57.00	20.84	74.00	17.00	150	338	Vertical
2	6889.59	47.14	20.83	54.00	6.86	150	130	Vertical
3	10480.0	40.49	-2.94	54.00	13.51	150	317	Vertical
4	10480.0	51.35	-2.94	74.00	22.65	150	140	Vertical
5	15720.0	53.39	0.29	74.00	20.61	150	360	Vertical
6	15720.0	42.67	0.29	54.00	11.33	150	262	Vertical
7	17698.5	47.02	2.36	54.00	6.98	150	25	Vertical

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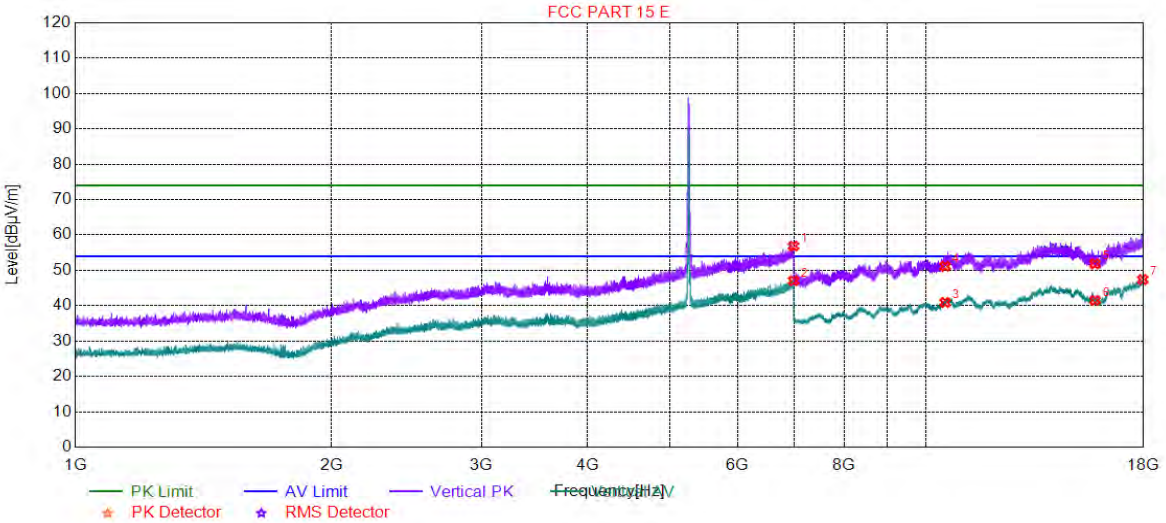
4.9.2.28 11N20_52 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6980.79	56.87	21.26	74.00	17.13	150	141	Vertical
2	6981.39	47.07	21.26	54.00	6.93	150	242	Vertical
3	10520.0	40.92	-2.80	54.00	13.08	150	299	Vertical
4	10520.0	51.14	-2.80	74.00	22.86	150	32	Vertical
5	15780.0	51.82	-0.72	74.00	22.18	150	299	Vertical
6	15780.0	41.53	-0.72	54.00	12.47	150	243	Vertical
7	17952.6	47.38	1.71	54.00	6.62	150	137	Vertical

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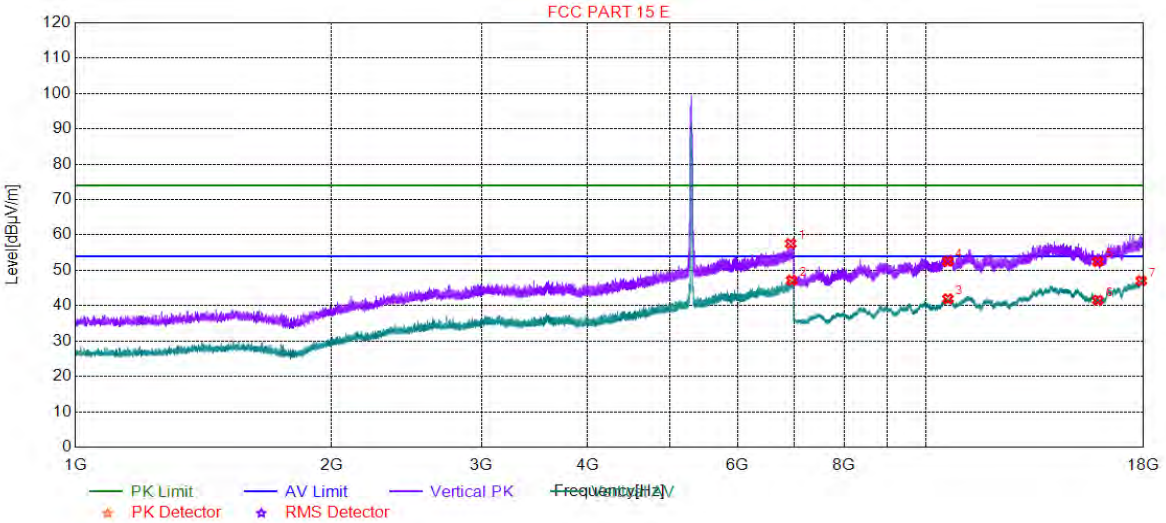
4.9.2.29 11N20_60 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6927.39	57.55	21.05	74.00	16.45	150	123	Vertical
2	6946.89	47.18	21.23	54.00	6.82	150	73	Vertical
3	10600.0	41.95	-2.86	54.00	12.05	150	185	Vertical
4	10600.0	52.53	-2.86	74.00	21.47	150	24	Vertical
5	15900.0	52.46	-0.51	74.00	21.54	150	185	Vertical
6	15900.0	41.56	-0.51	54.00	12.44	150	238	Vertical
7	17887.2	47.04	1.52	54.00	6.96	150	24	Vertical

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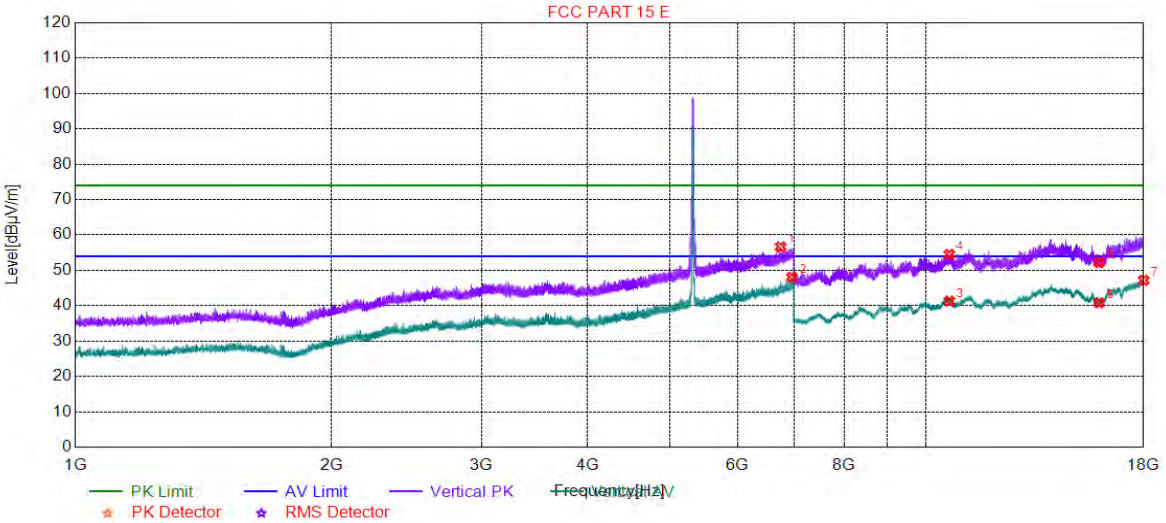
4.9.2.30 11N20_64 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6742.88	56.65	20.52	74.00	17.35	150	122	Vertical
2	6949.59	48.05	21.25	54.00	5.95	150	63	Vertical
3	10640.0	41.29	-2.84	54.00	12.71	150	255	Vertical
4	10640.0	54.52	-2.84	74.00	19.48	150	143	Vertical
5	15960.0	52.18	-0.61	74.00	21.82	150	360	Vertical
6	15960.0	40.82	-0.61	54.00	13.18	150	86	Vertical
7	18000.0	47.17	1.72	54.00	6.83	150	321	Vertical

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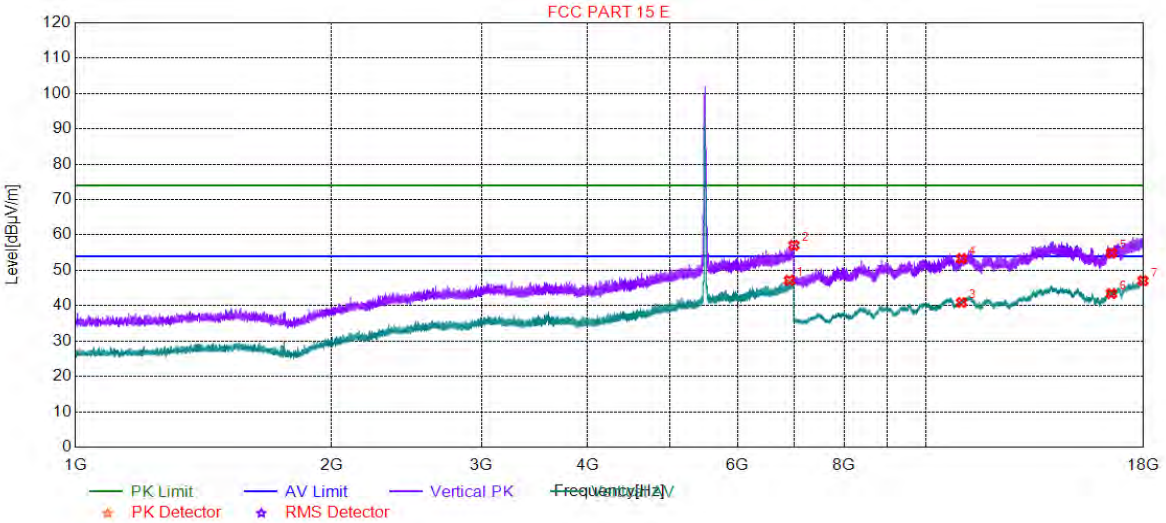
4.9.2.31 11N20_100 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6903.69	47.18	20.84	54.00	6.82	150	6	Vertical
2	6988.89	57.08	21.27	74.00	16.92	150	285	Vertical
3	11000.0	40.91	-2.17	54.00	13.09	150	225	Vertical
4	11000.0	53.33	-2.17	74.00	20.67	150	225	Vertical
5	16500.0	54.91	0.34	74.00	19.09	150	96	Vertical
6	16500.0	43.43	0.34	54.00	10.57	150	175	Vertical
7	17964.7	47.07	1.71	54.00	6.93	150	175	Vertical

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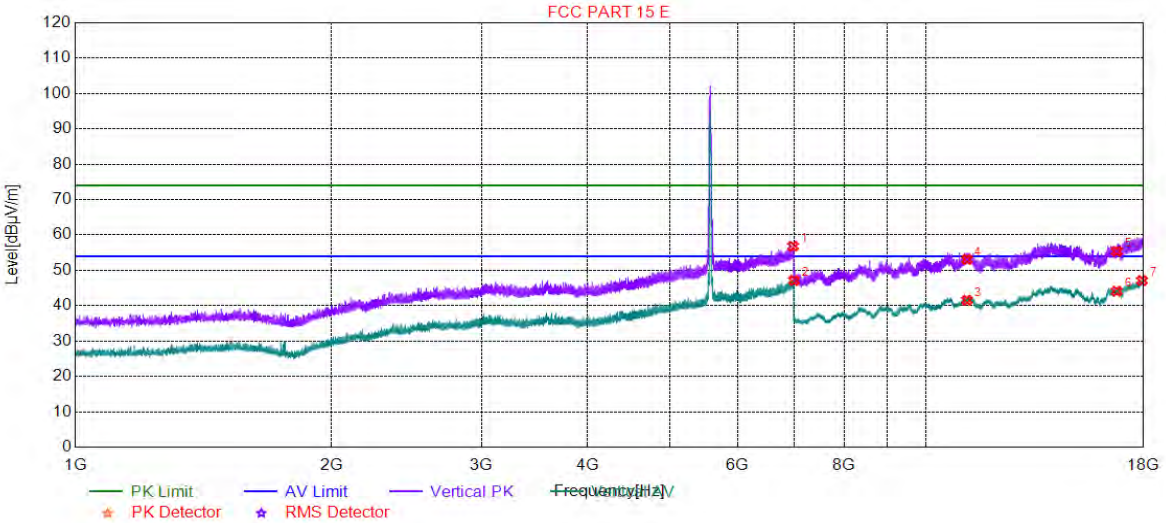
4.9.2.32 11N20_116 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6971.79	56.83	21.26	74.00	17.17	150	173	Vertical
2	6988.59	47.14	21.27	54.00	6.86	150	335	Vertical
3	11160.0	41.55	-2.32	54.00	12.45	150	27	Vertical
4	11160.0	53.10	-2.32	74.00	20.90	150	185	Vertical
5	16740.0	55.39	0.71	74.00	18.61	150	240	Vertical
6	16740.0	44.10	0.71	54.00	9.90	150	79	Vertical
7	17920.7	47.11	1.70	54.00	6.89	150	290	Vertical

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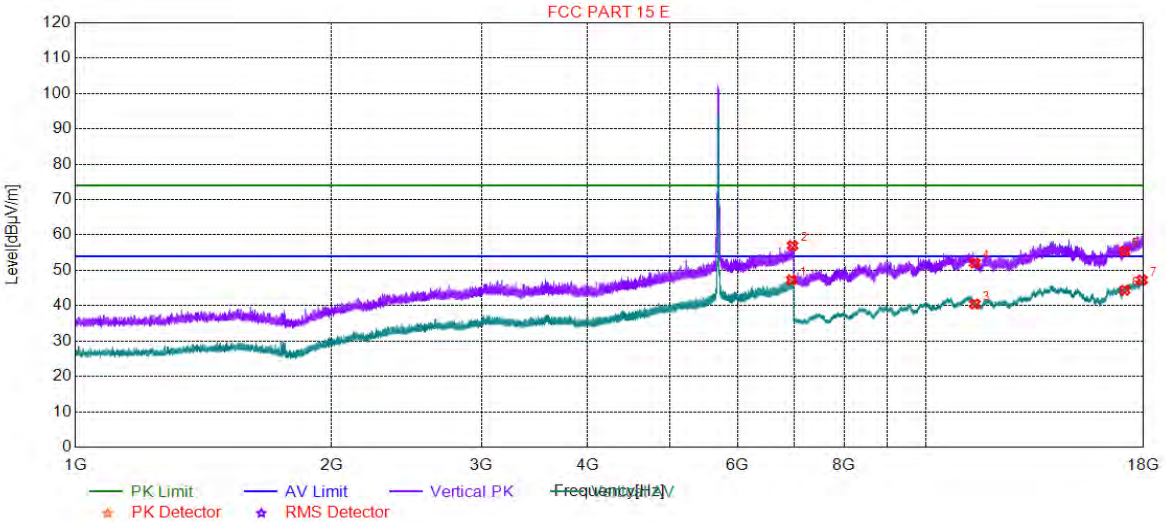
4.9.2.33 11N20_140 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6944.79	47.29	21.21	54.00	6.71	150	82	Vertical
2	6963.69	57.00	21.26	74.00	17.00	150	185	Vertical
3	11400.0	40.47	-2.15	54.00	13.53	150	96	Vertical
4	11400.0	52.09	-2.15	74.00	21.91	150	268	Vertical
5	17100.0	55.39	0.04	74.00	18.61	150	214	Vertical
6	17100.0	44.37	0.04	54.00	9.63	150	268	Vertical
7	17922.9	47.27	1.70	54.00	6.73	150	96	Vertical

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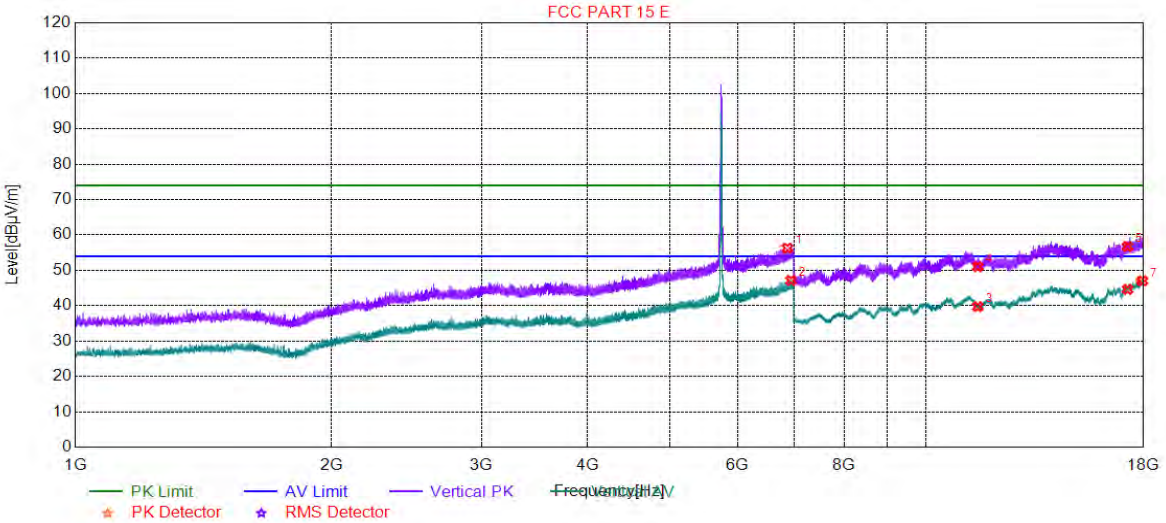
4.9.2.34 11N20_149 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6866.19	56.30	20.86	74.00	17.70	150	281	Vertical
2	6933.09	47.15	21.10	54.00	6.85	150	2	Vertical
3	11490.0	39.72	-2.03	54.00	14.28	150	135	Vertical
4	11490.0	51.03	-2.03	74.00	22.97	150	240	Vertical
5	17235.0	56.71	0.33	74.00	17.29	150	240	Vertical
6	17235.0	44.61	0.33	54.00	9.39	150	135	Vertical
7	17944.4	47.03	1.70	54.00	6.97	150	350	Vertical

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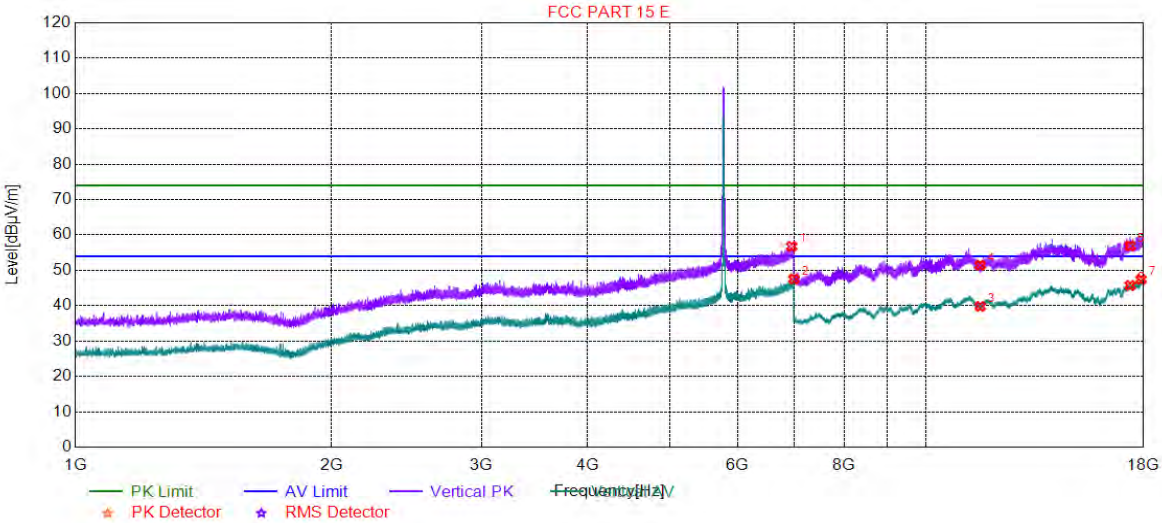
4.9.2.35 11N20_157 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6945.09	56.77	21.21	74.00	17.23	150	209	Vertical
2	6986.79	47.55	21.27	54.00	6.45	150	102	Vertical
3	11570.0	39.80	-2.39	54.00	14.20	150	285	Vertical
4	11570.0	51.46	-2.39	74.00	22.54	150	232	Vertical
5	17355.0	56.91	1.06	74.00	17.09	150	339	Vertical
6	17355.0	45.72	1.06	54.00	8.28	150	79	Vertical
7	17875.6	47.42	1.37	54.00	6.58	150	285	Vertical

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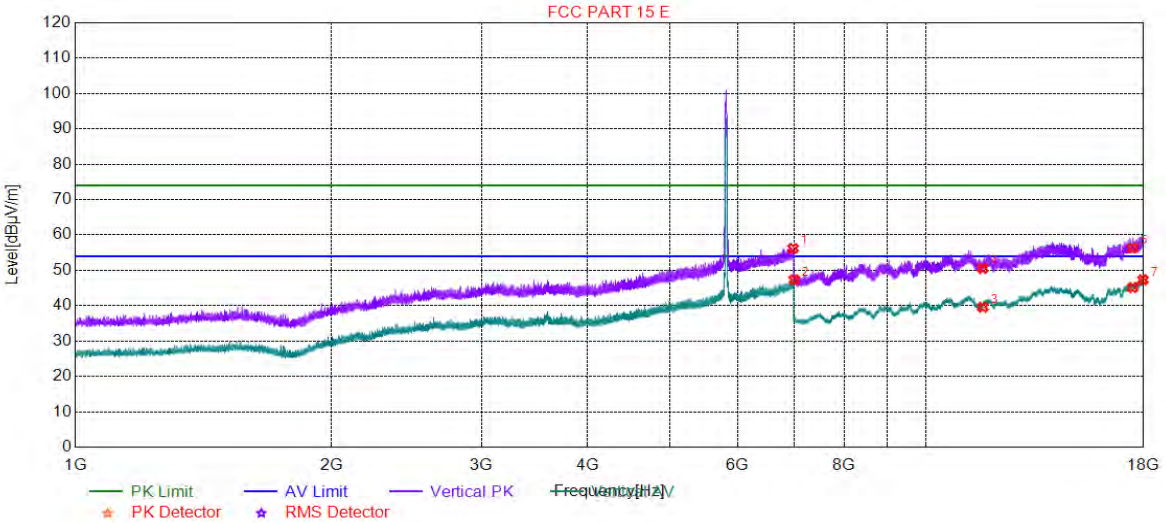
4.9.2.36 11N20_161 ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6972.39	56.22	21.26	74.00	17.78	150	344	Vertical
2	6993.99	47.32	21.27	54.00	6.68	150	168	Vertical
3	11650.0	39.60	-2.49	54.00	14.40	150	340	Vertical
4	11650.0	50.55	-2.49	74.00	23.45	150	82	Vertical
5	17475.0	56.28	1.76	74.00	17.72	150	232	Vertical
6	17475.0	45.14	1.76	54.00	8.86	150	232	Vertical
7	17965.3	47.31	1.71	54.00	6.69	150	232	Vertical

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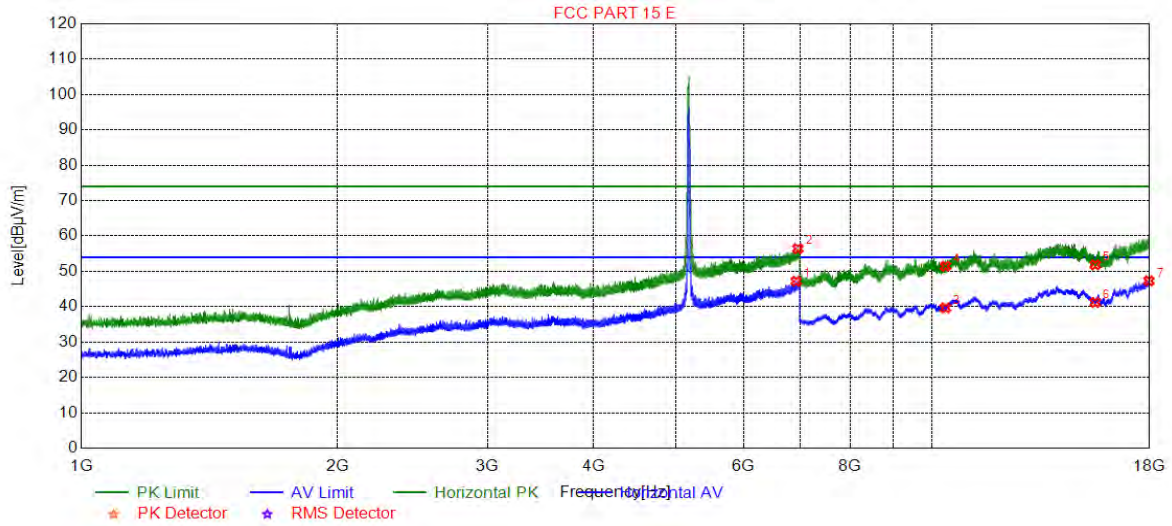
4.9.2.37 11N20_36 ANT 1_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6917.49	47.19	20.97	54.00	6.81	150	342	Horizontal
2	6949.29	56.43	21.25	74.00	17.57	150	80	Horizontal
3	10360.0	39.65	-3.63	54.00	14.35	150	55	Horizontal
4	10360.0	51.45	-3.63	74.00	22.55	150	160	Horizontal
5	15540.0	51.84	0.46	74.00	22.16	150	160	Horizontal
6	15540.0	41.20	0.46	54.00	12.80	150	110	Horizontal
7	17967.5	47.29	1.71	54.00	6.71	150	338	Horizontal

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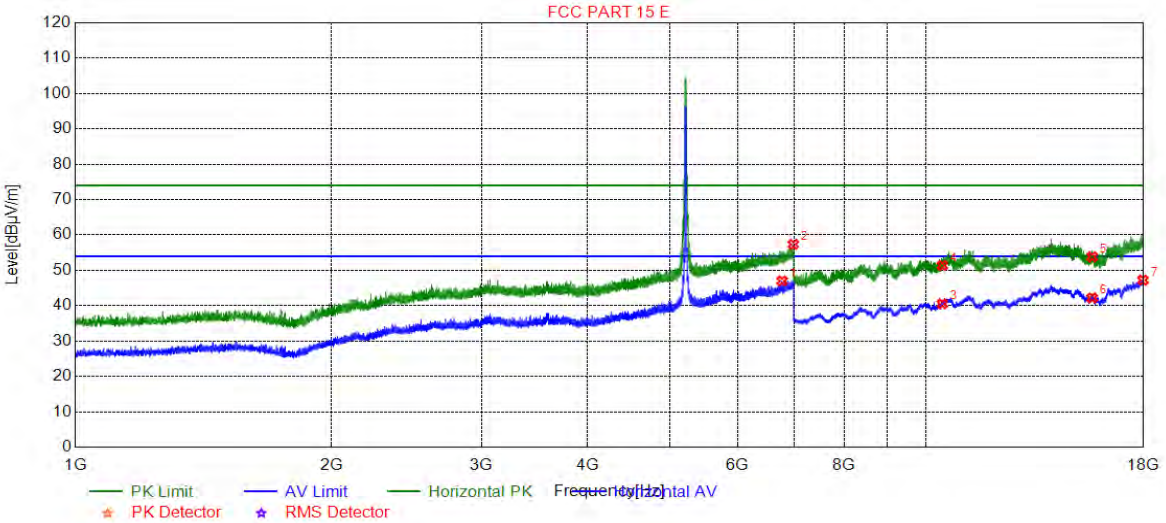
4.9.2.38 11N20_44 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6768.08	47.02	20.56	54.00	6.98	150	89	Horizontal
2	6977.19	57.34	21.26	74.00	16.66	150	32	Horizontal
3	10440.0	40.54	-3.24	54.00	13.46	150	72	Horizontal
4	10440.0	51.36	-3.24	74.00	22.64	150	72	Horizontal
5	15660.0	53.84	0.43	74.00	20.16	150	126	Horizontal
6	15660.0	42.21	0.43	54.00	11.79	150	284	Horizontal
7	17966.4	47.23	1.71	54.00	6.77	150	284	Horizontal

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