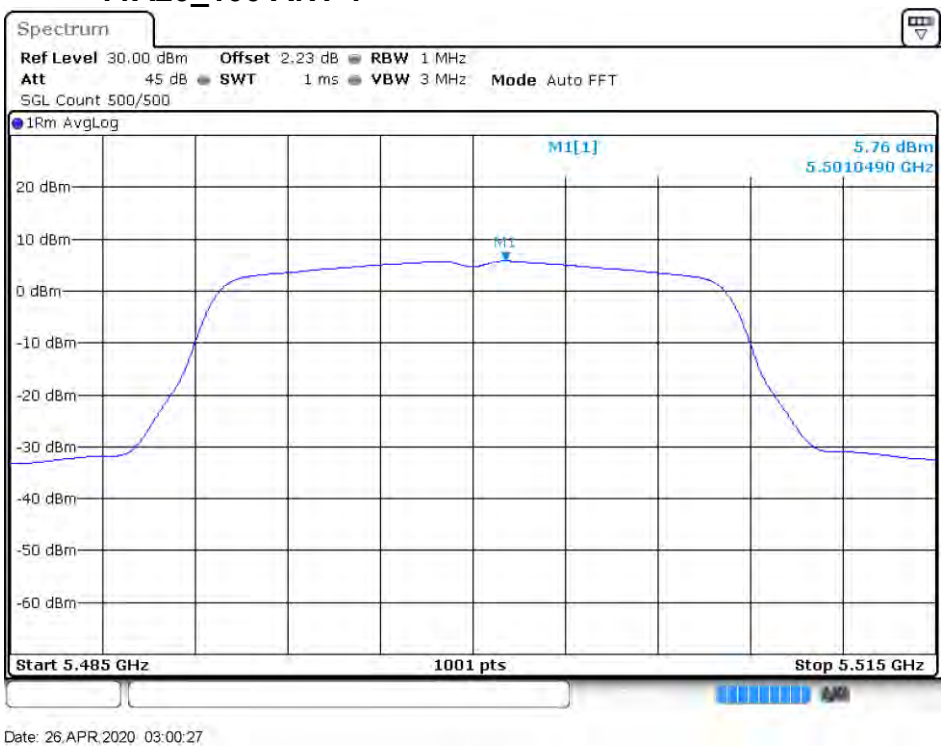
4.8.2.7 11A20_100 ANT 1



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4.8.2.8 11A20_116 ANT 1

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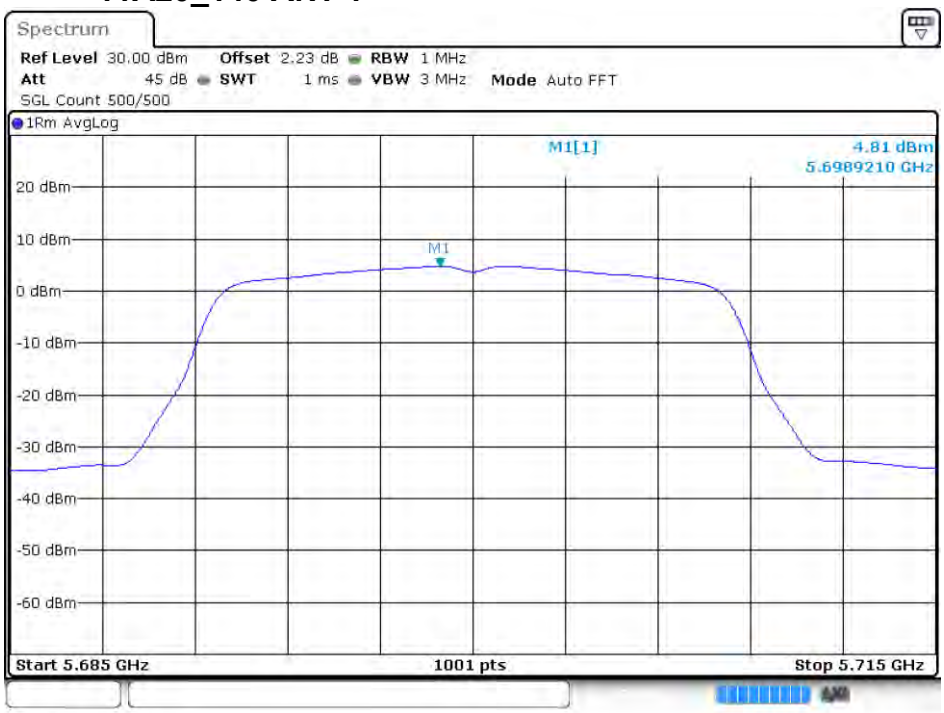
4.8.2.9 11A20_140 ANT 1



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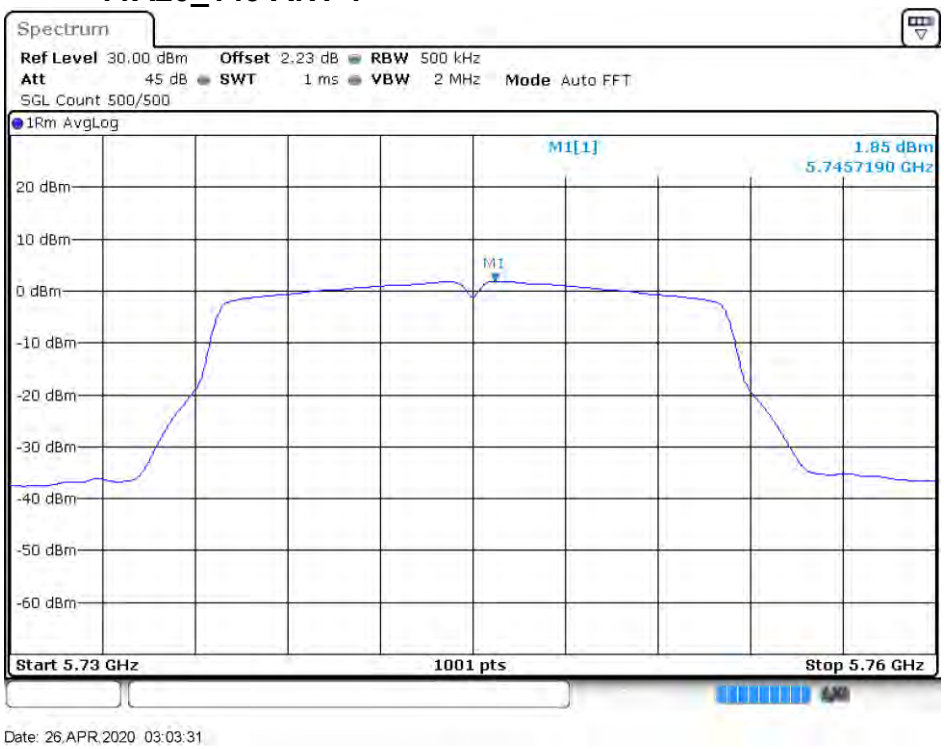
4.8.2.10 11A20_149 ANT 1



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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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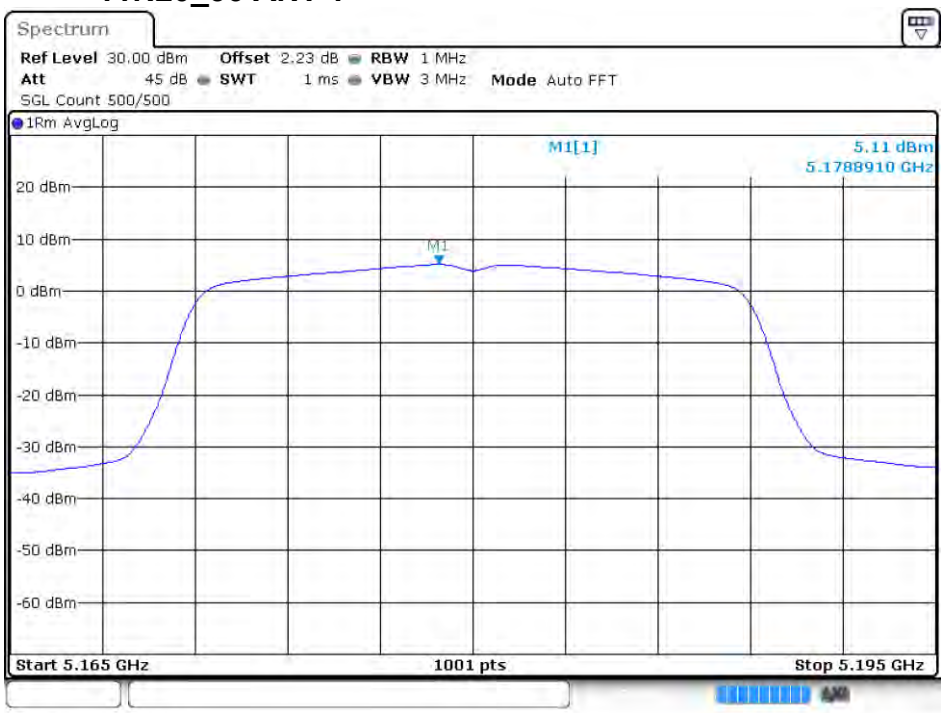
4.8.2.13 11N20_36 ANT 1



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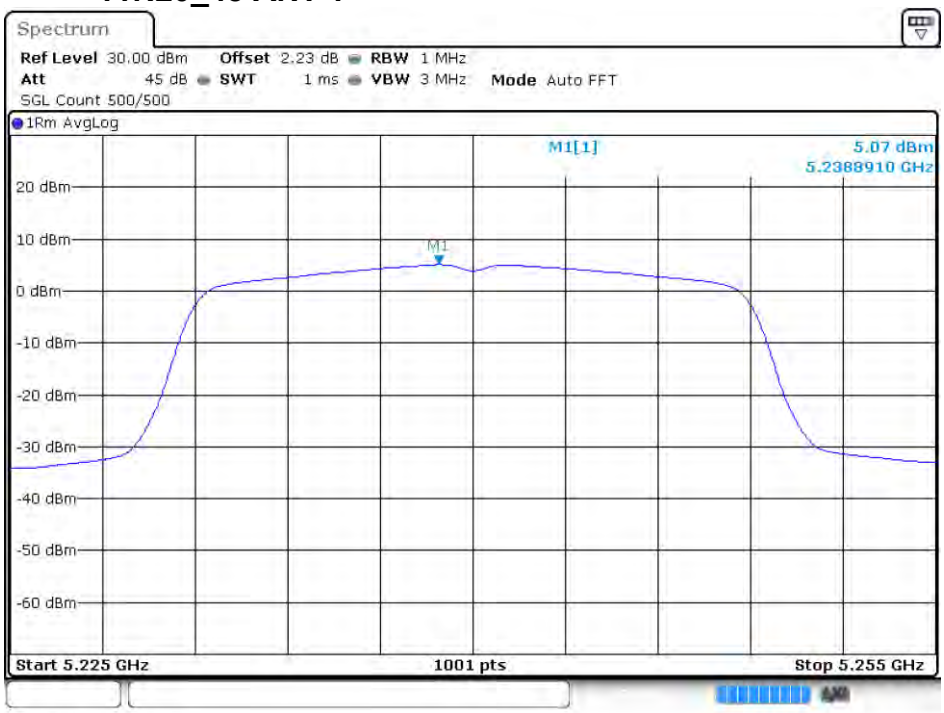

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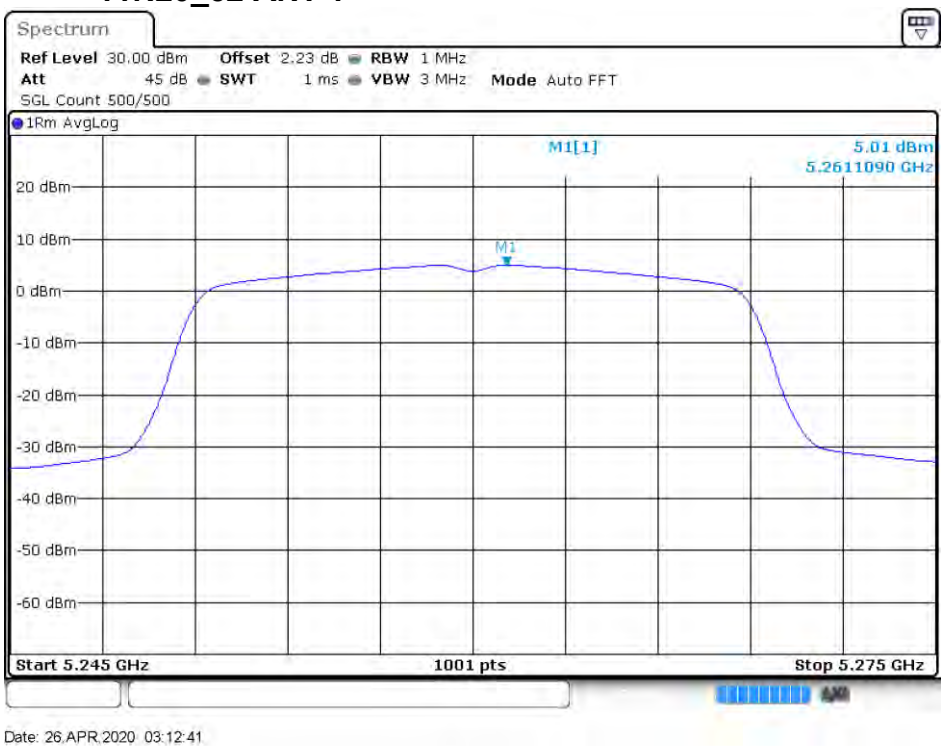
4.8.2.16 11N20_52 ANT 1



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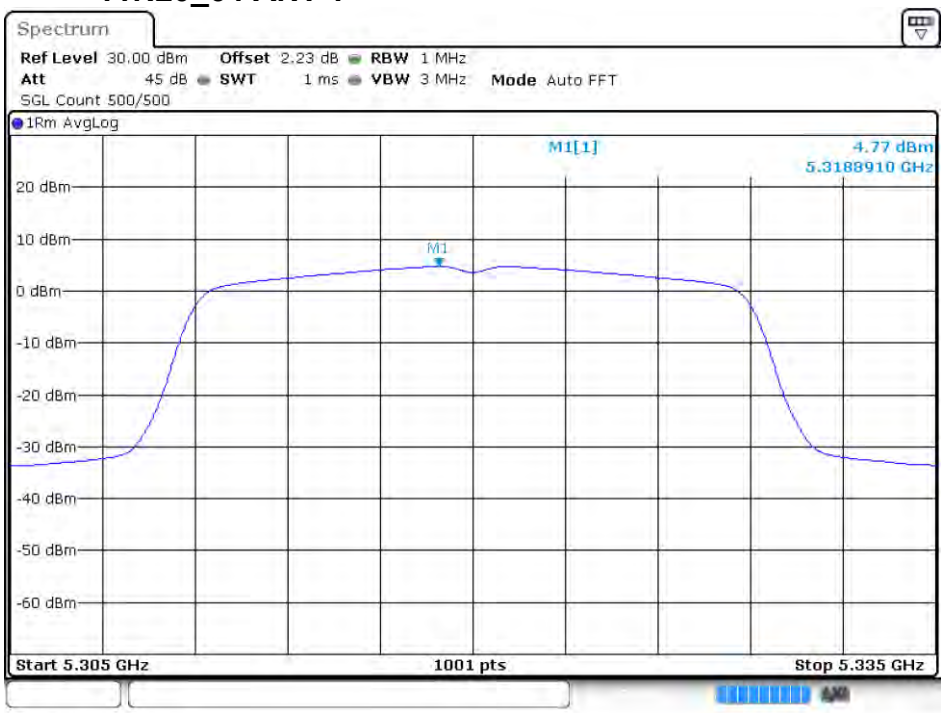

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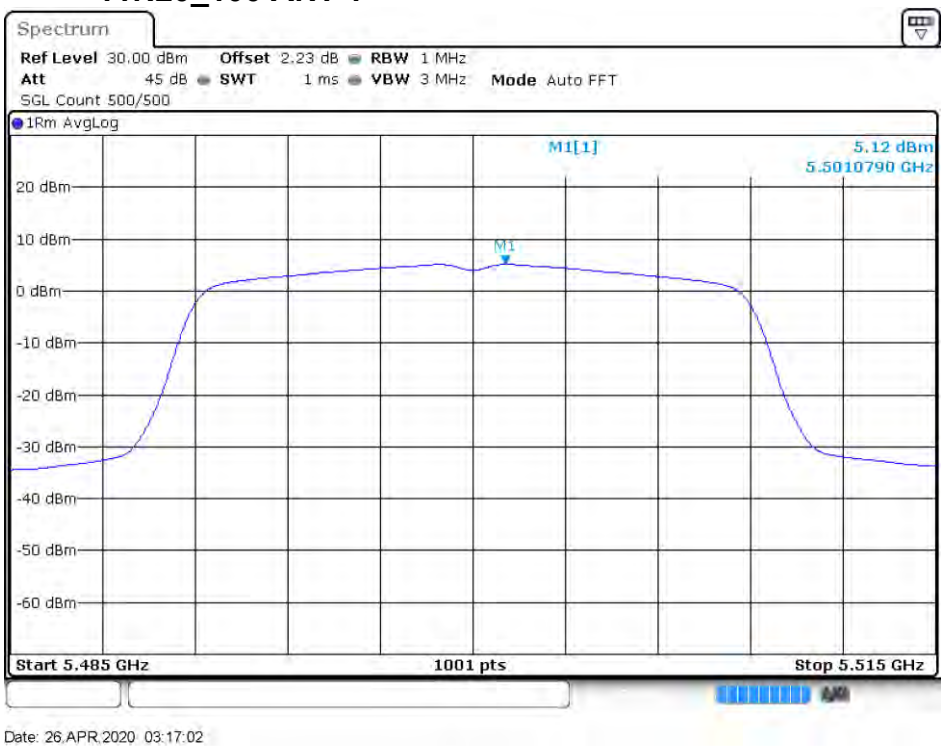

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4.8.2.20 11N20_116 ANT 1

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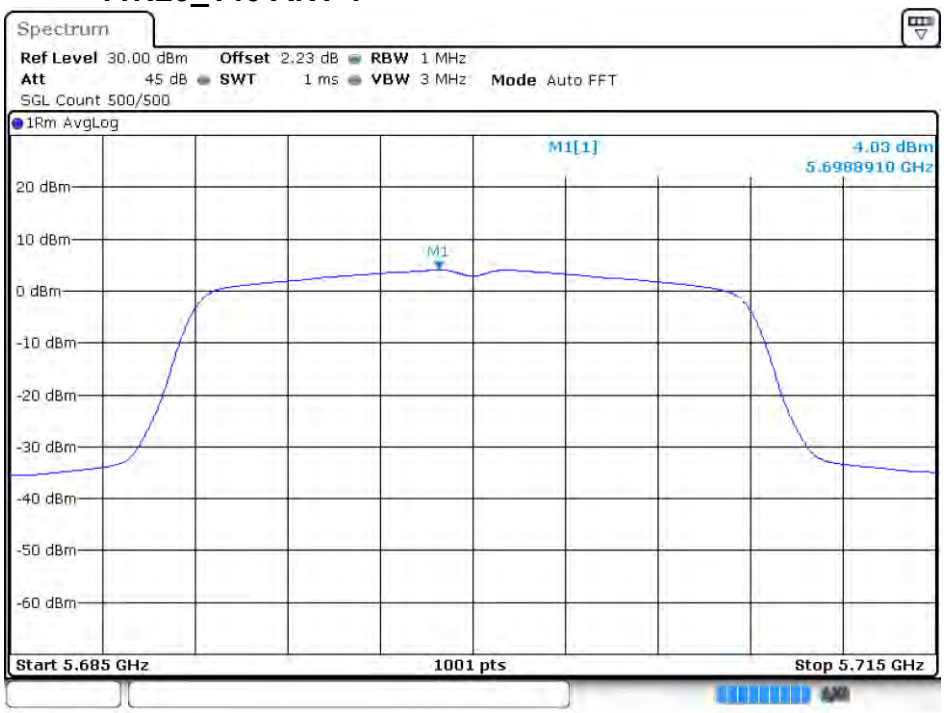
4.8.2.21 11N20_140 ANT 1



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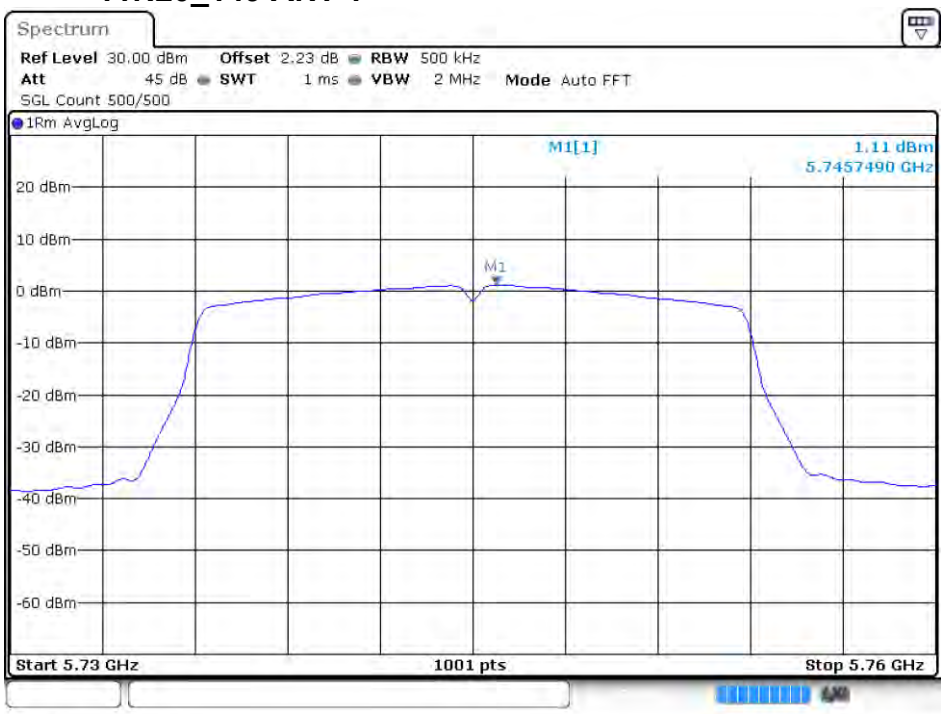

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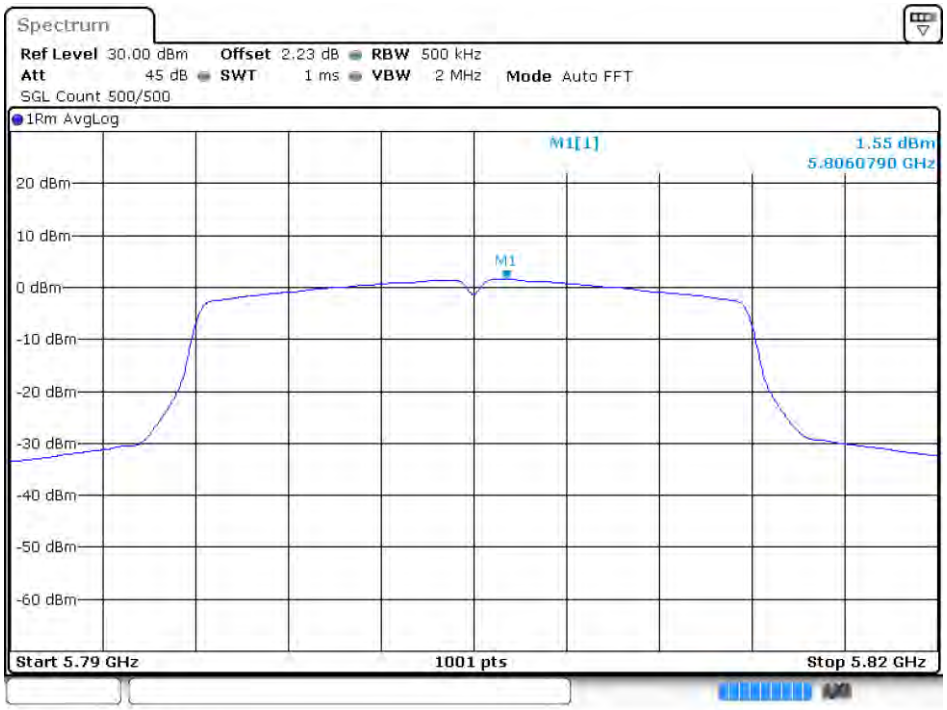

Date: 29.APR.2020 10:20:31

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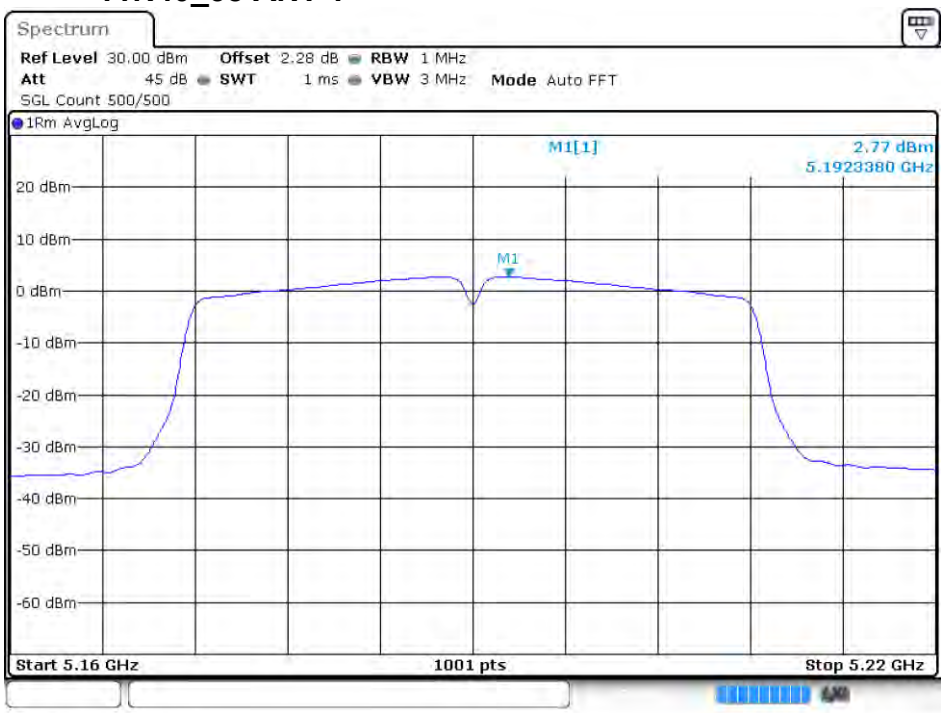
4.8.2.25 11N40_38 ANT 1



Date: 26.APR.2020 03:31:22

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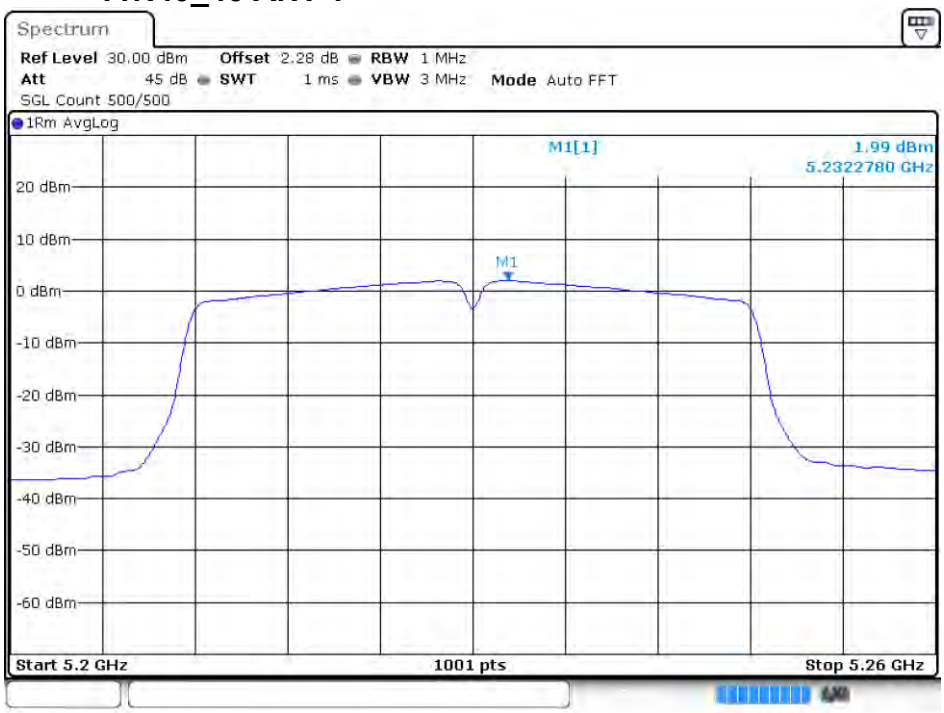
4.8.2.26 11N40_46 ANT 1



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

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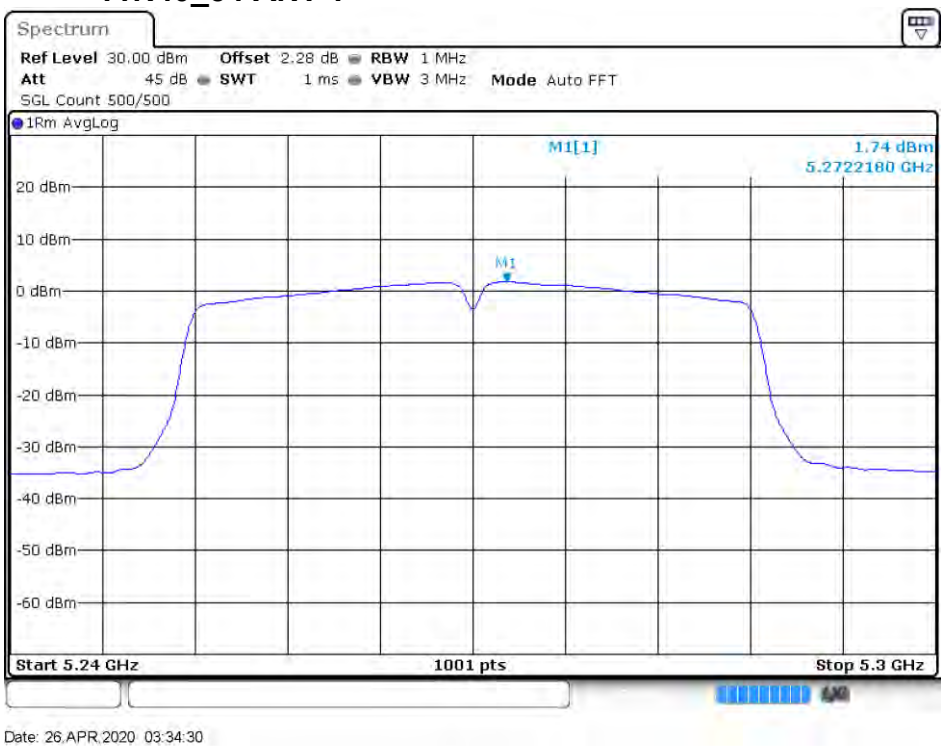
4.8.2.27 11N40_54 ANT 1



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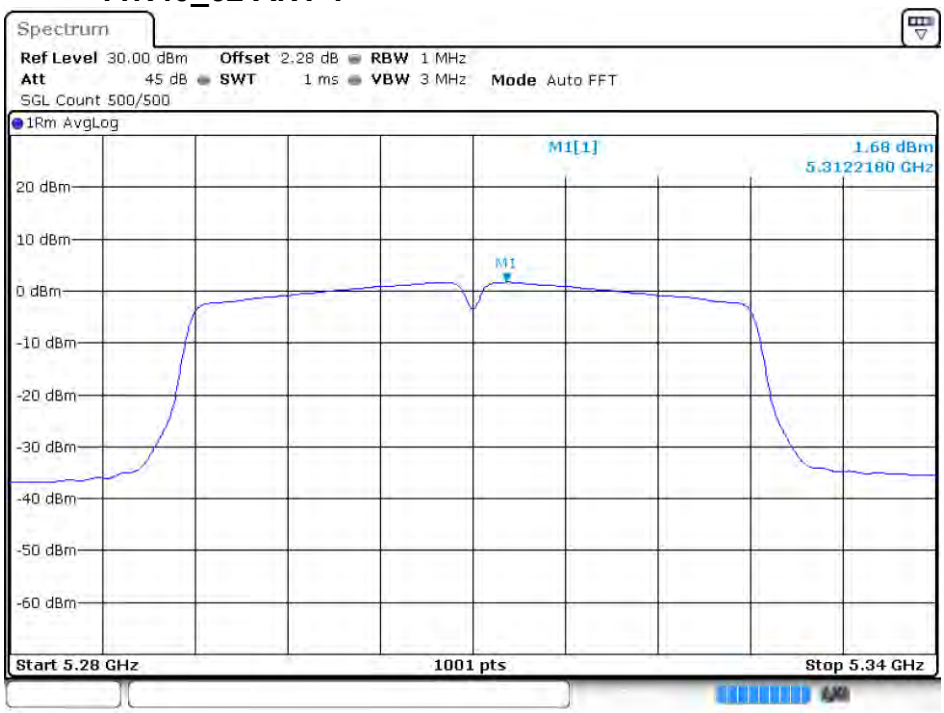
4.8.2.28 11N40_62 ANT 1



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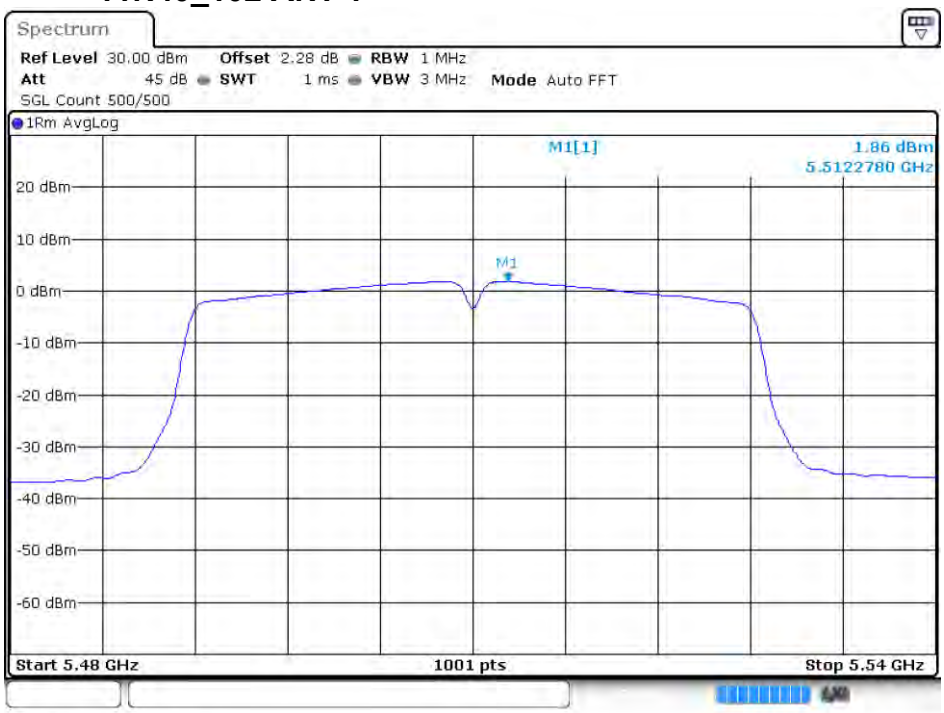
4.8.2.29 11N40_102 ANT 1



Date: 26.APR.2020 03:37:51

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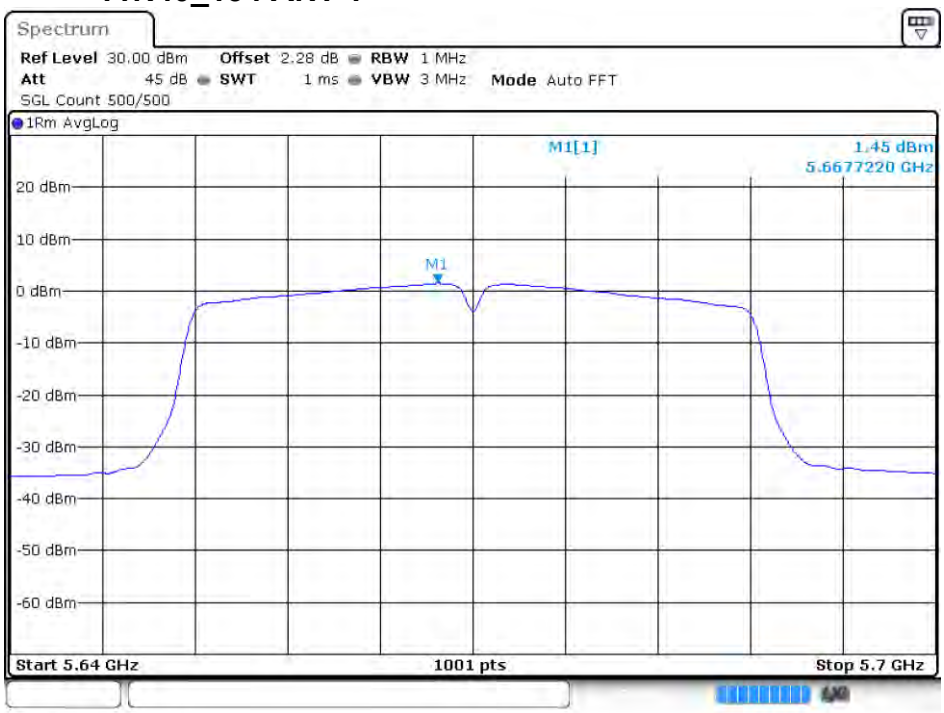
4.8.2.30 11N40_110 ANT 1

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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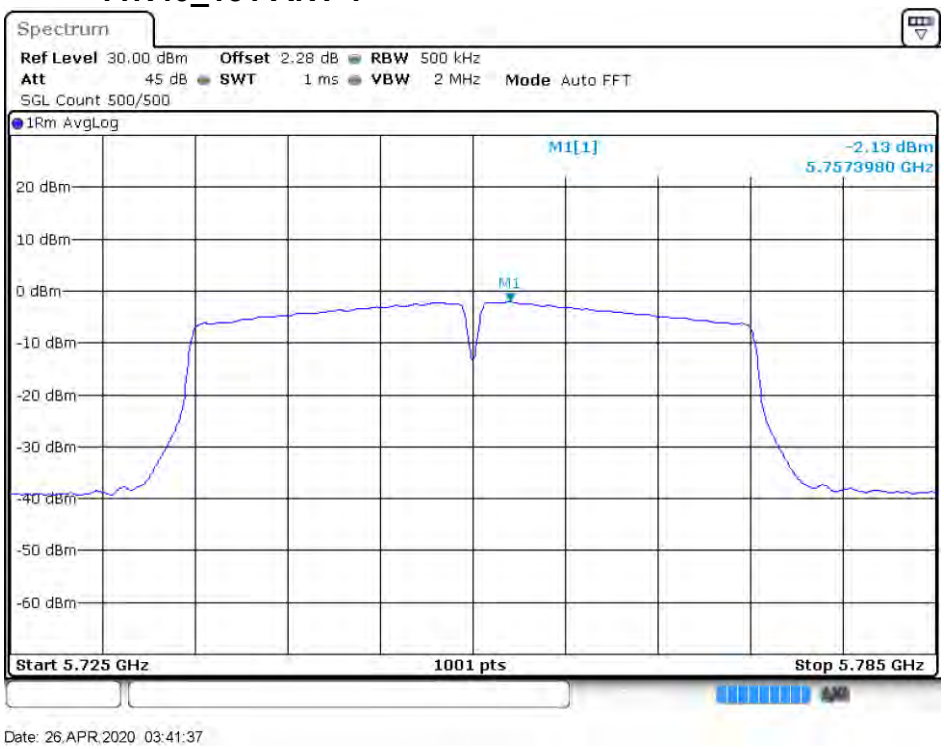
4.8.2.32 11N40_151 ANT 1



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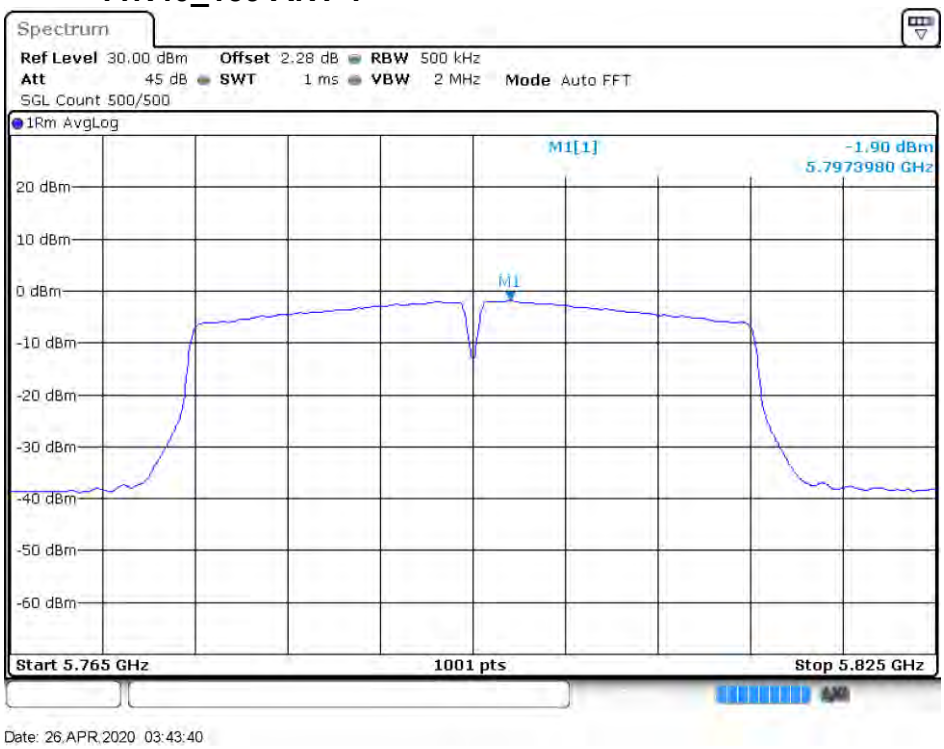
4.8.2.33 11N40_159 ANT 1



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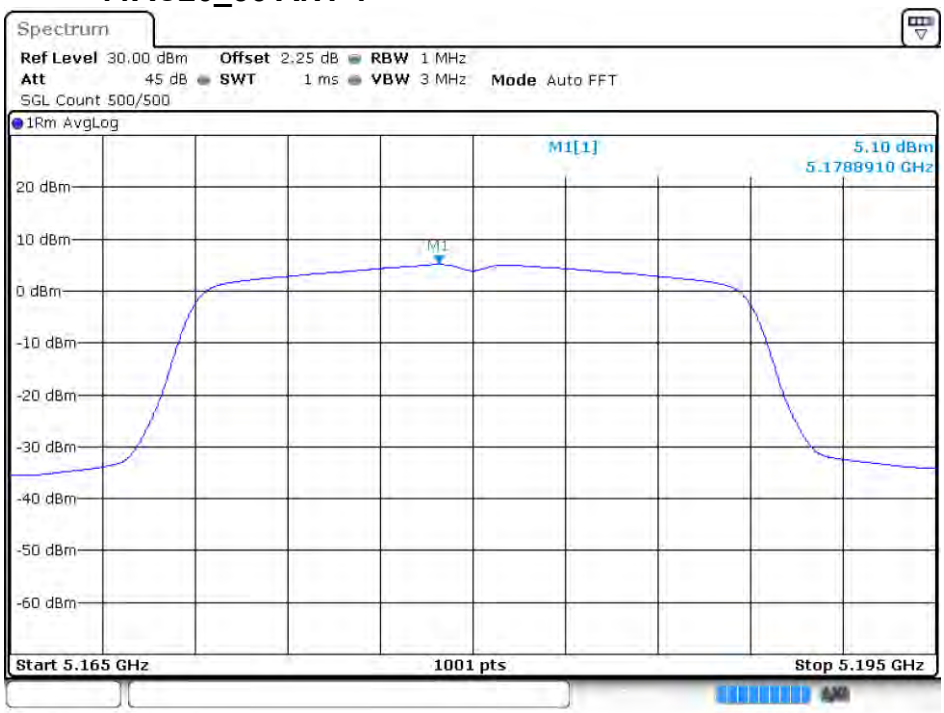
4.8.2.34 11AC20_36 ANT 1



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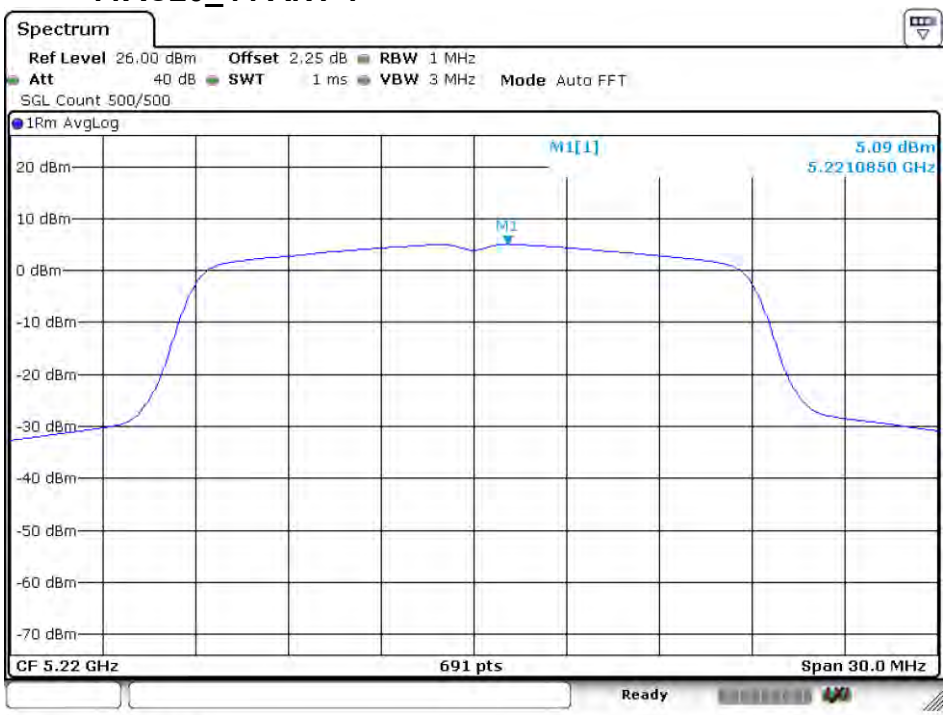
4.8.2.35 11AC20_44 ANT 1



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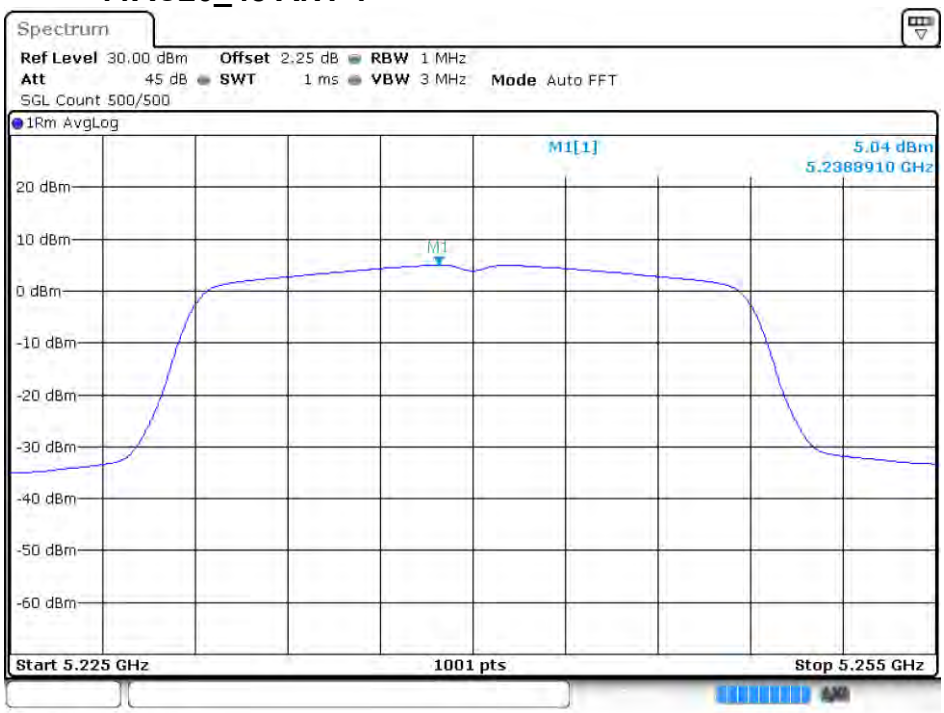

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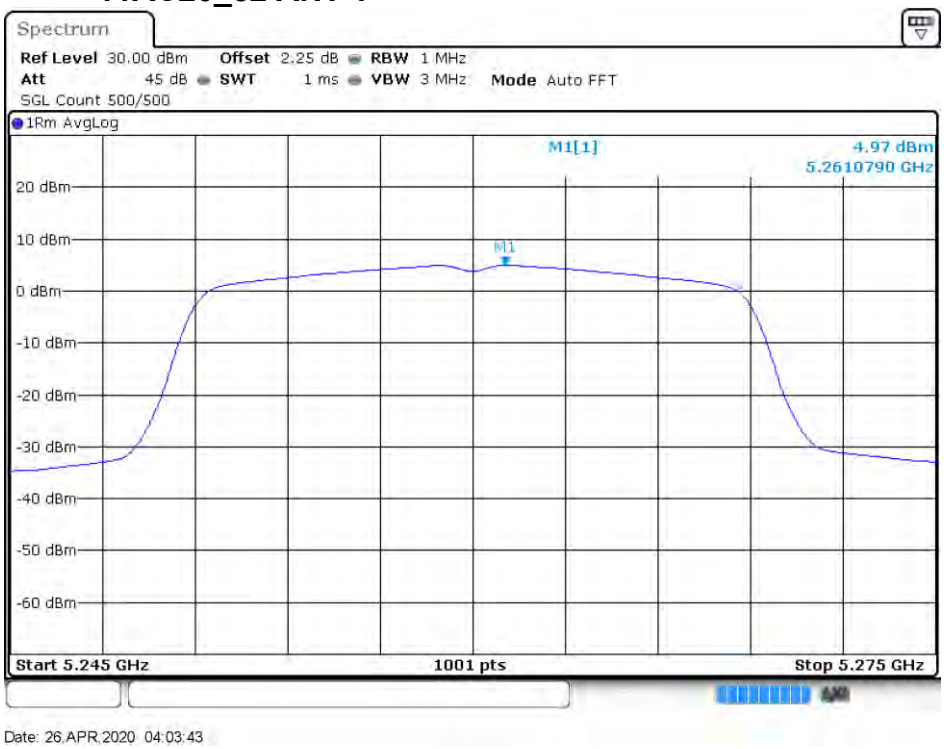

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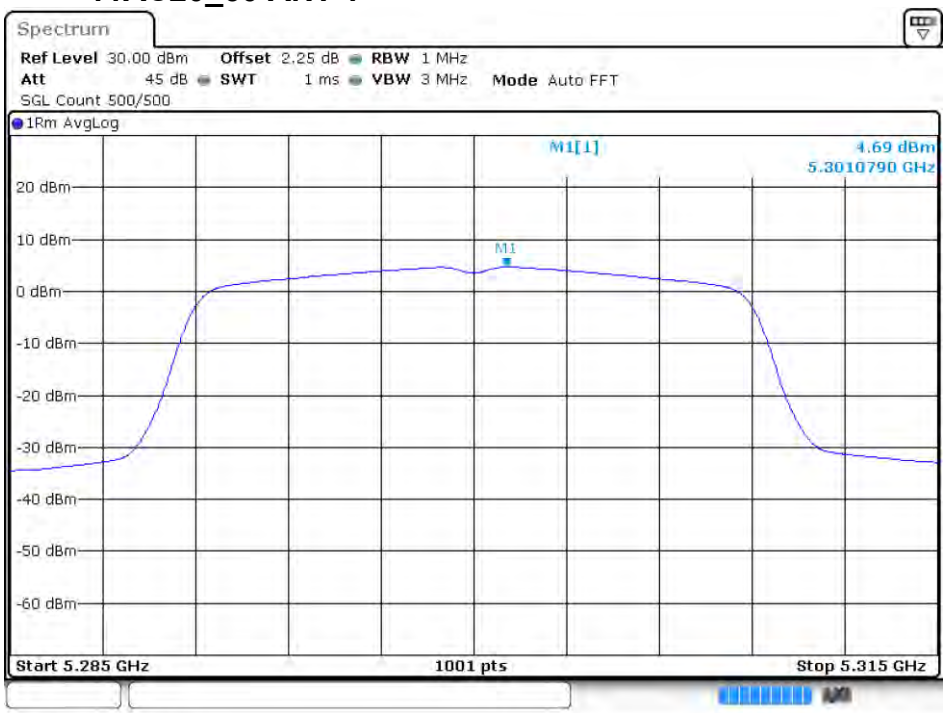
4.8.2.38 11AC20_60 ANT 1



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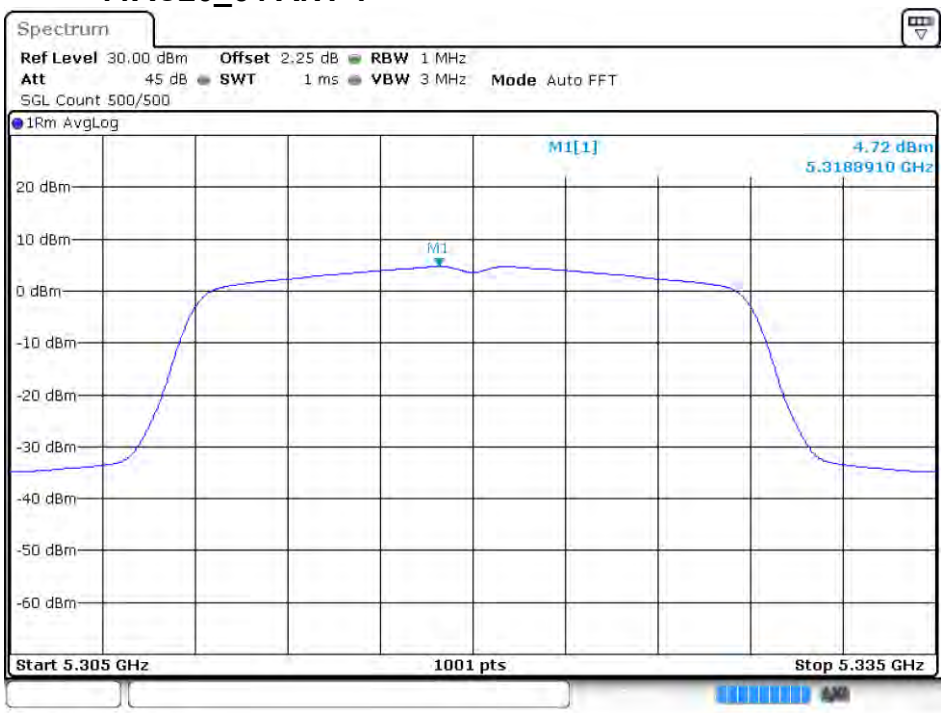
4.8.2.39 11AC20_64 ANT 1



Date: 26.APR.2020 04:10:57

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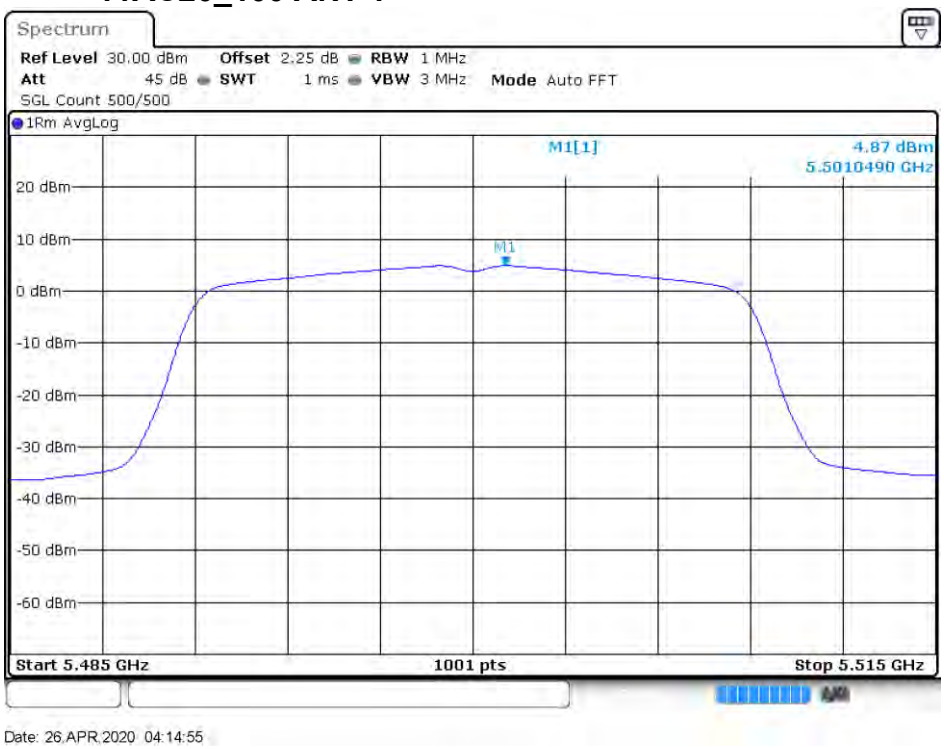
4.8.2.40 11AC20_100 ANT 1



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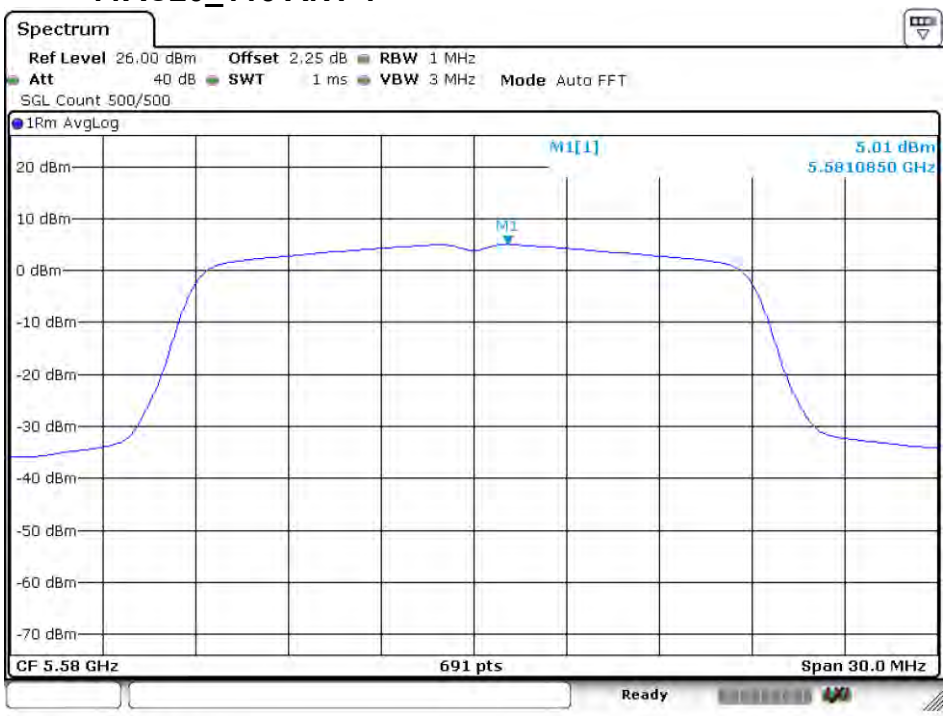
4.8.2.41 11AC20_116 ANT 1



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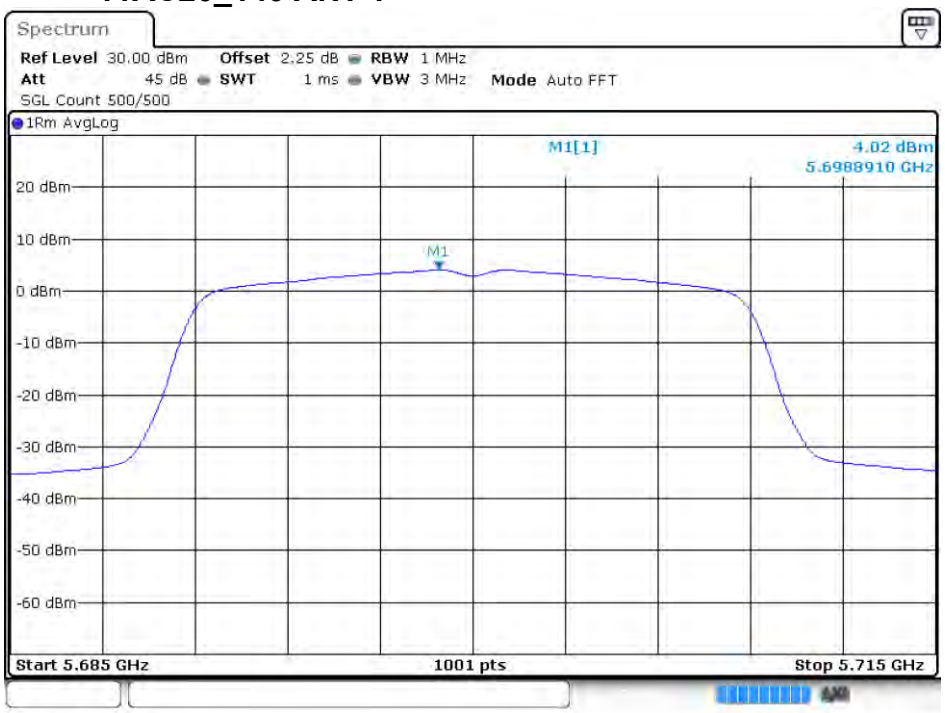
4.8.2.42 11AC20_140 ANT 1



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4.8.2.43 11AC20_149 ANT 1

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4.8.2.44 11AC20_157 ANT 1

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4.8.2.45 11AC20_161 ANT 1

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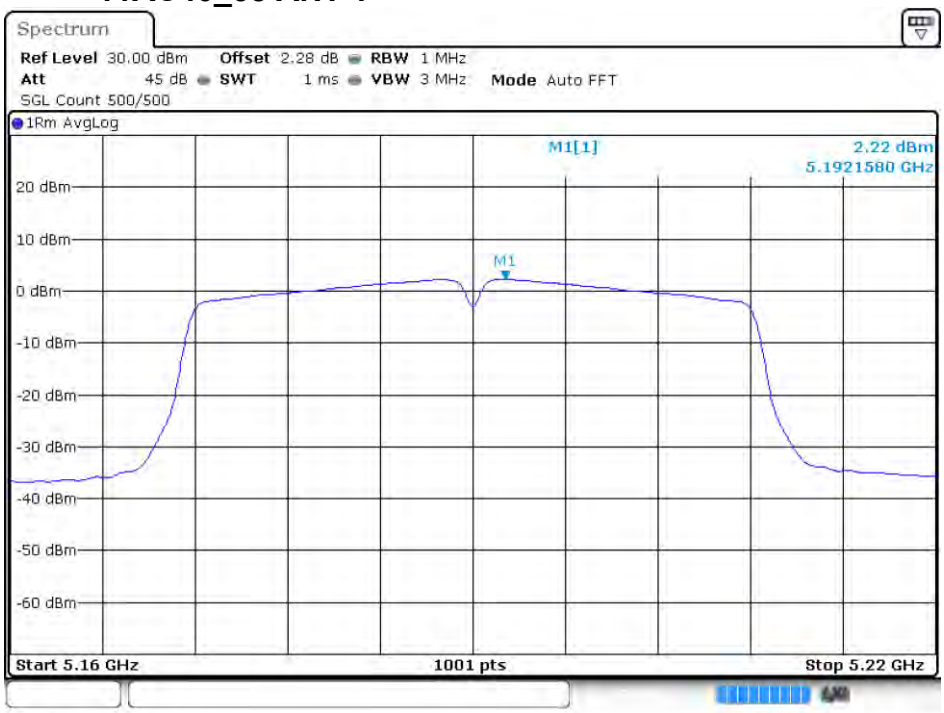
4.8.2.46 11AC40_38 ANT 1



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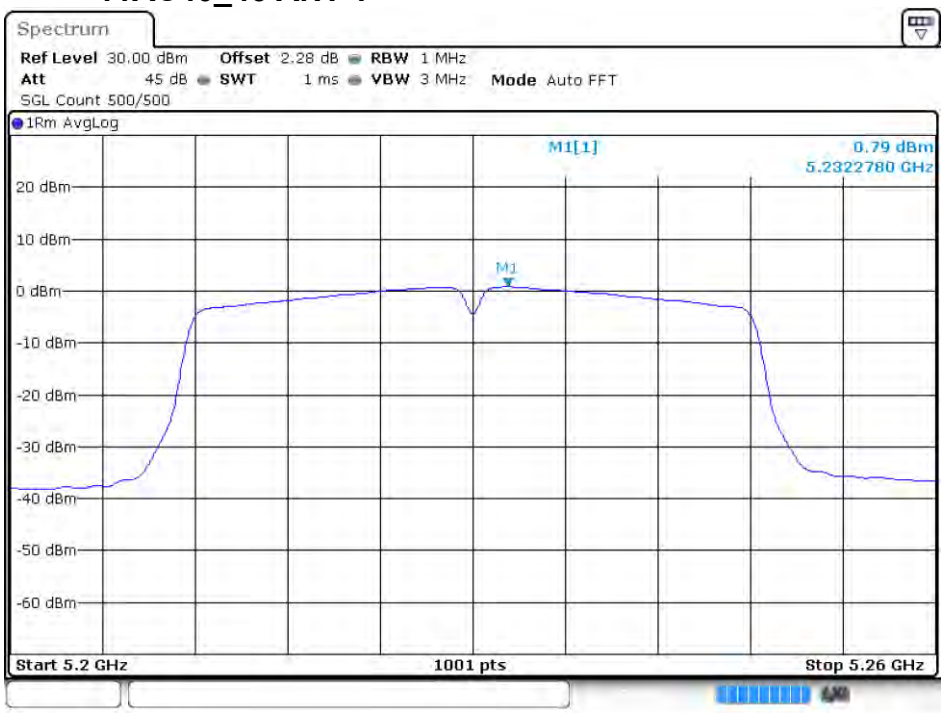
4.8.2.47 11AC40_46 ANT 1



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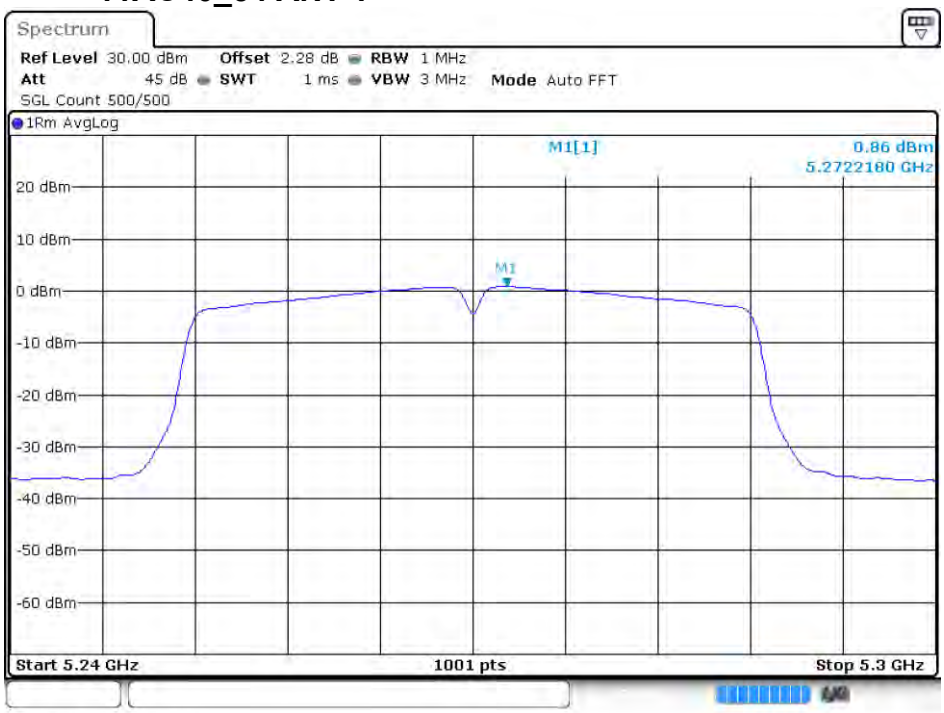
4.8.2.48 11AC40_54 ANT 1



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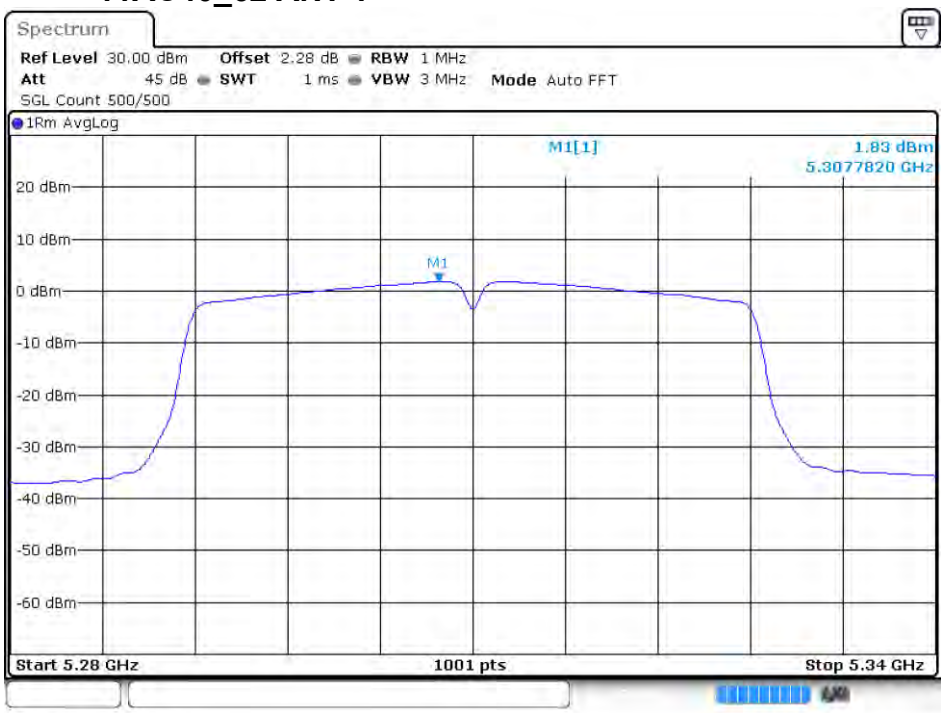
4.8.2.49 11AC40_62 ANT 1



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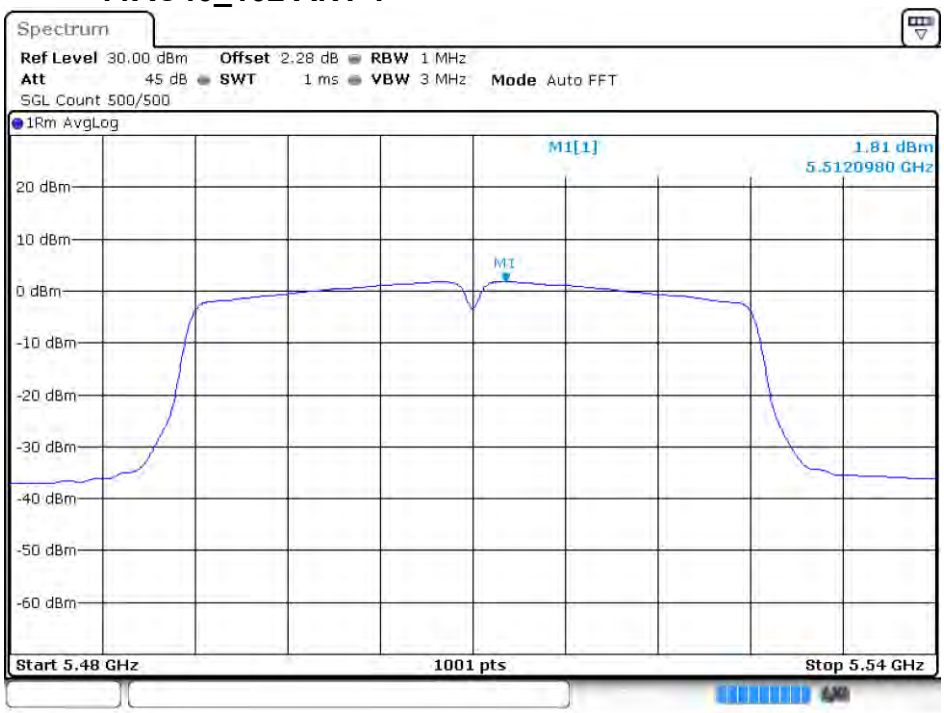
4.8.2.50 11AC40_102 ANT 1



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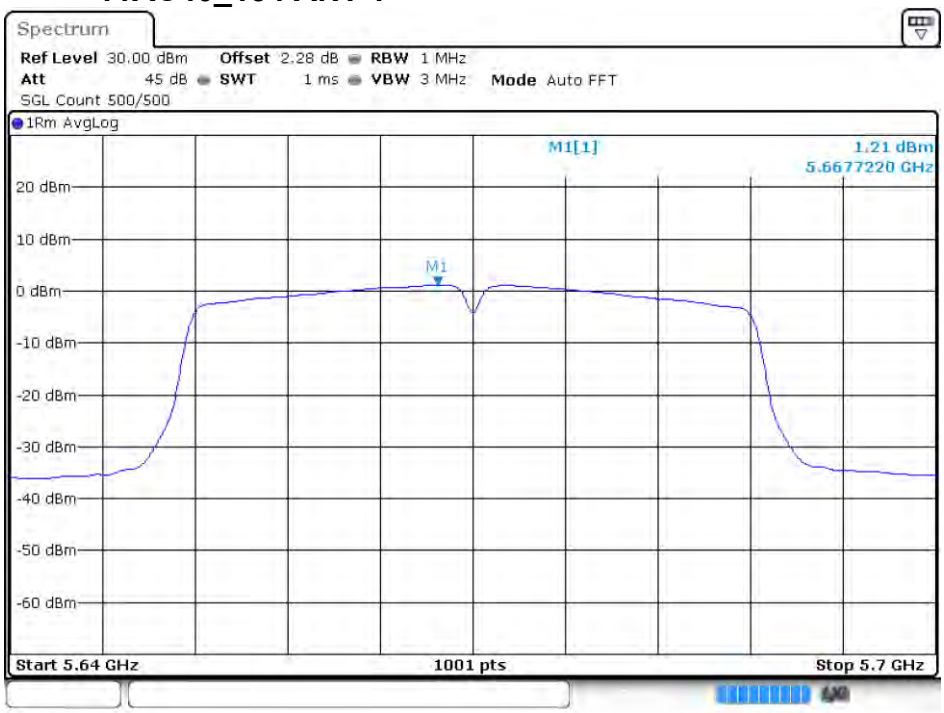
4.8.2.51 11AC40_110 ANT 1

Date: 30.APR.2020 09:47:28

4.8.2.52 11AC40_134 ANT 1



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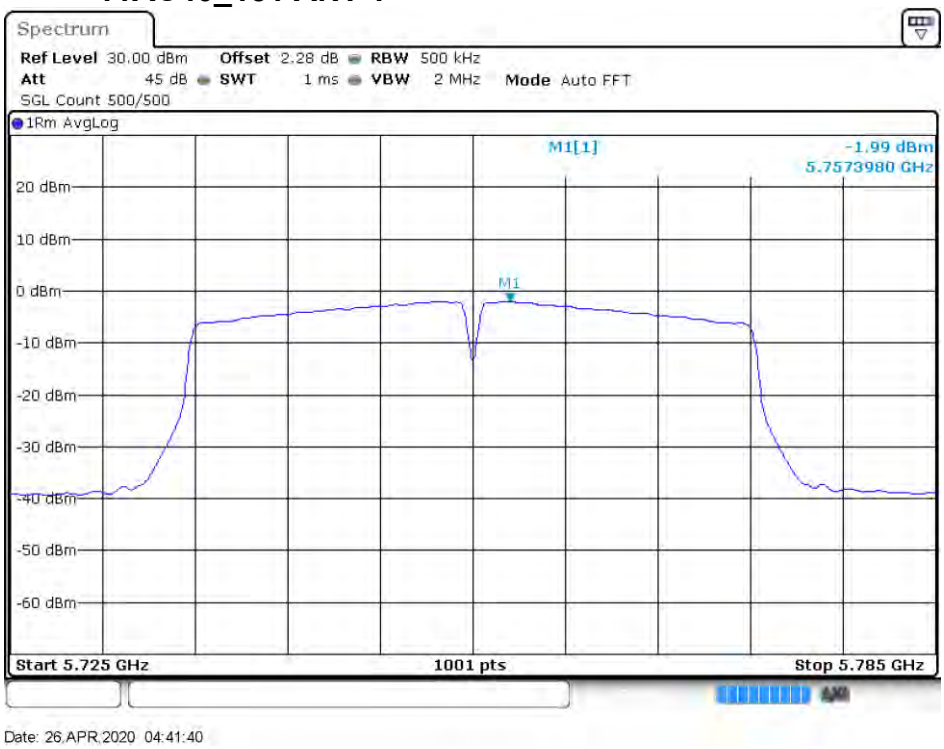
4.8.2.53 11AC40_151 ANT 1



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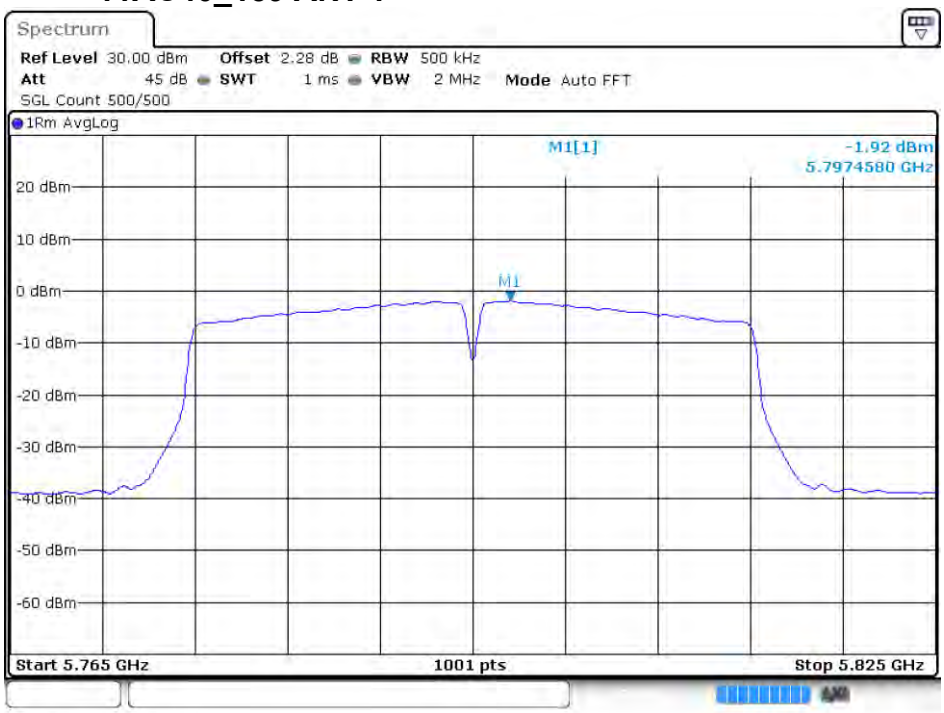
4.8.2.54 11AC40_159 ANT 1



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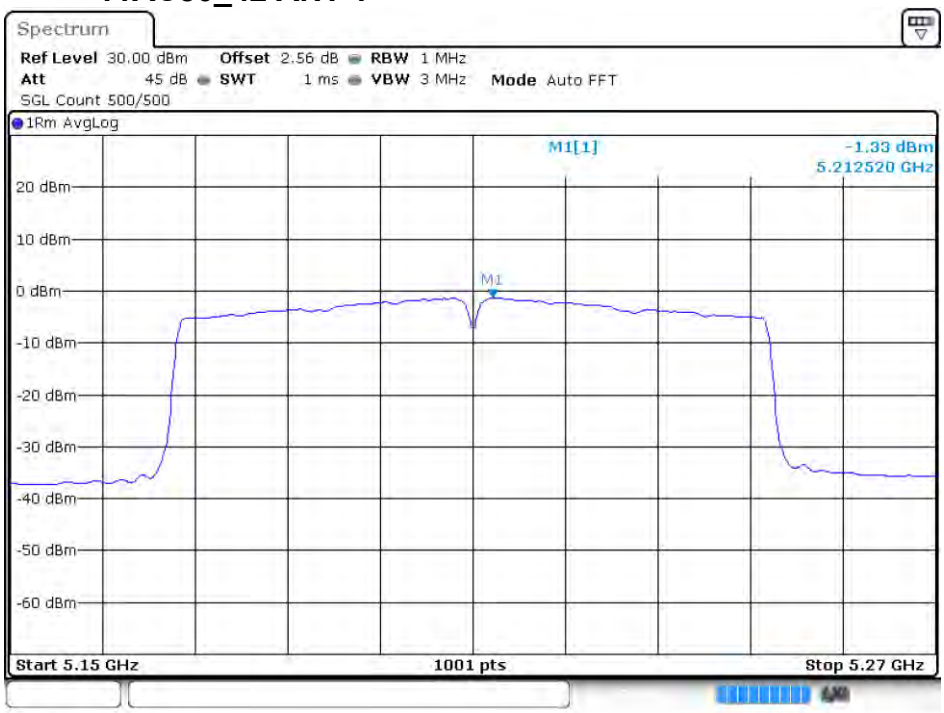
4.8.2.55 11AC80_42 ANT 1



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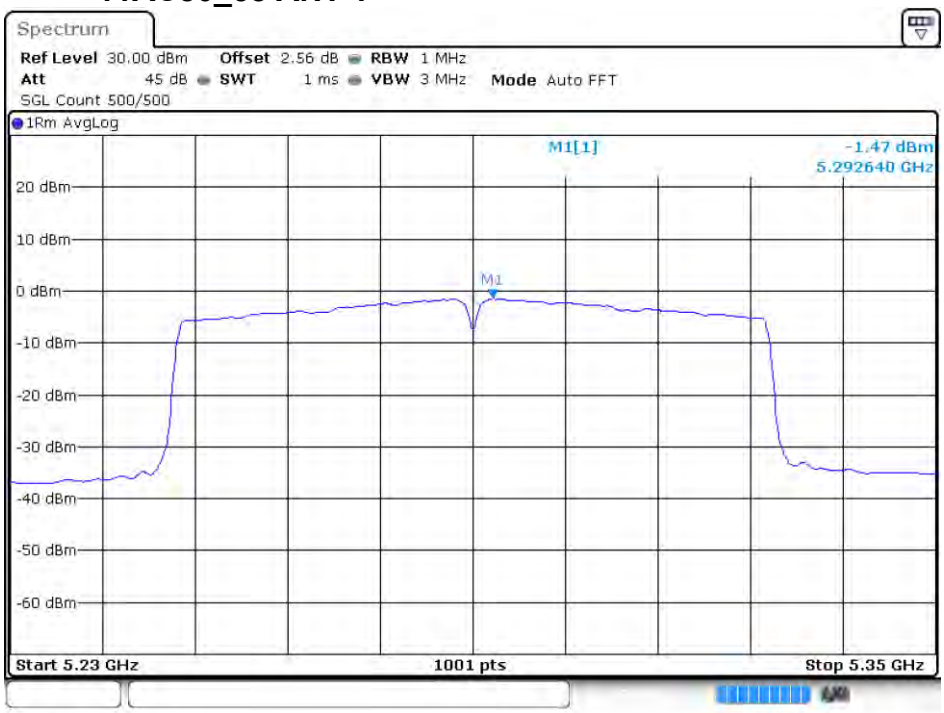
4.8.2.56 11AC80_58 ANT 1



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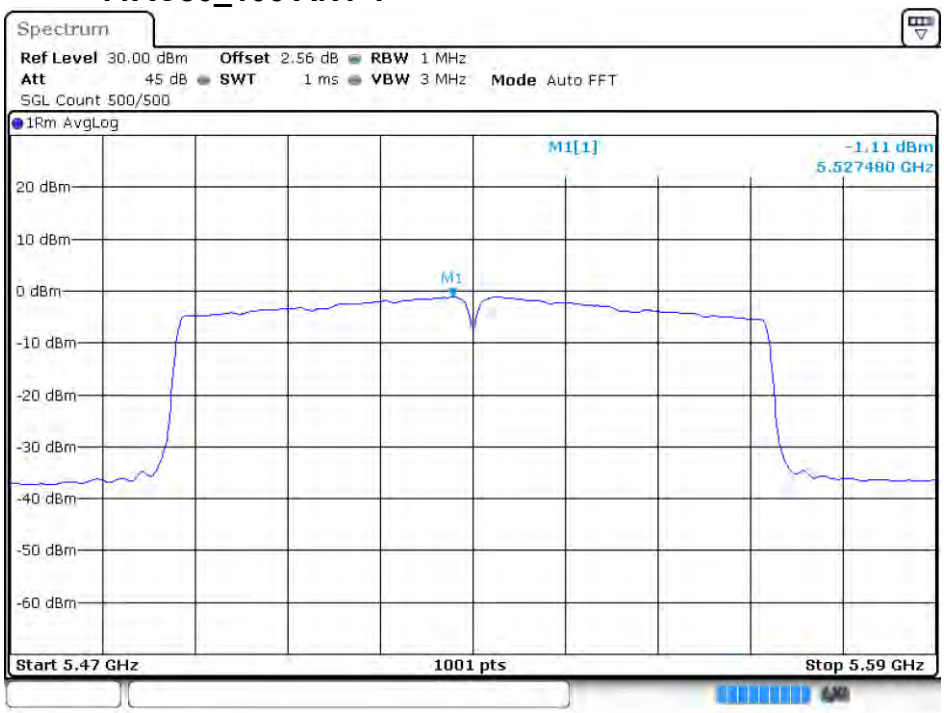
4.8.2.57 11AC80_106 ANT 1



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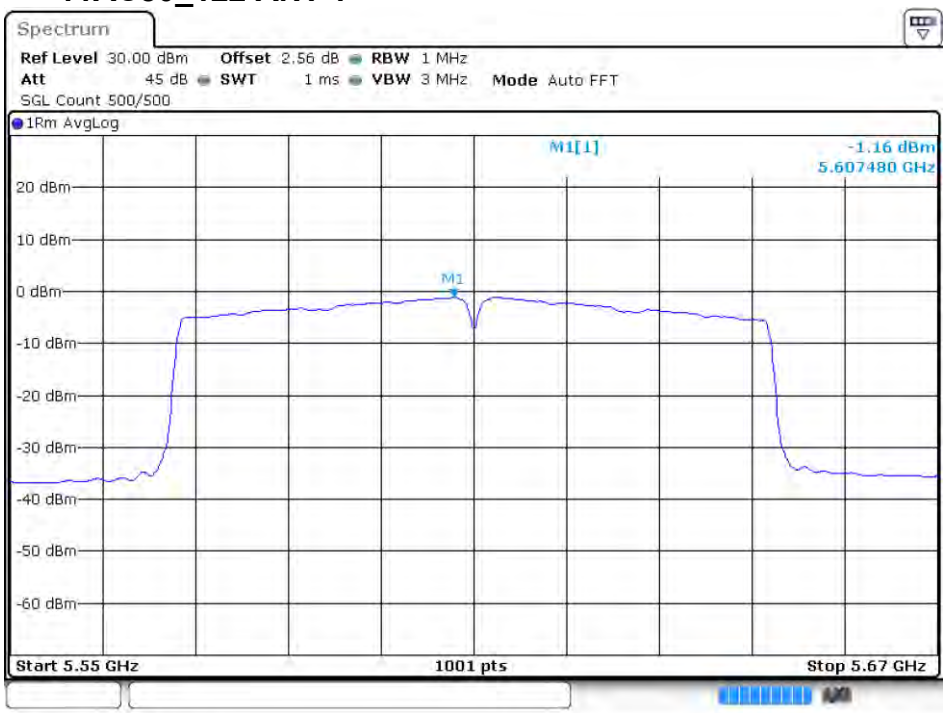
4.8.2.58 11AC80_122 ANT 1



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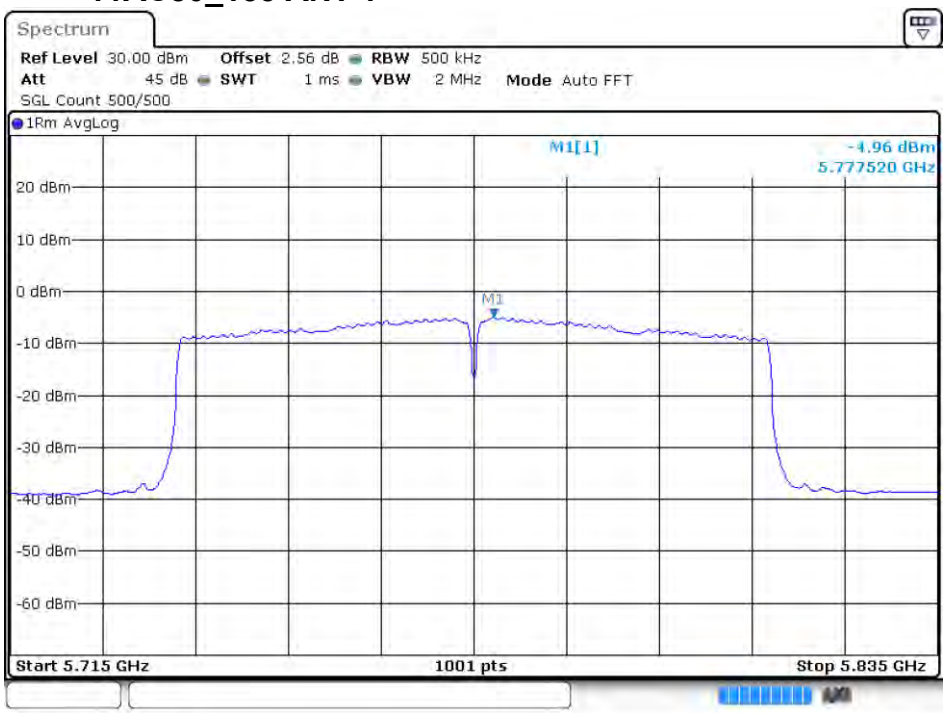

Date: 26.APR.2020 04:51:13

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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:	

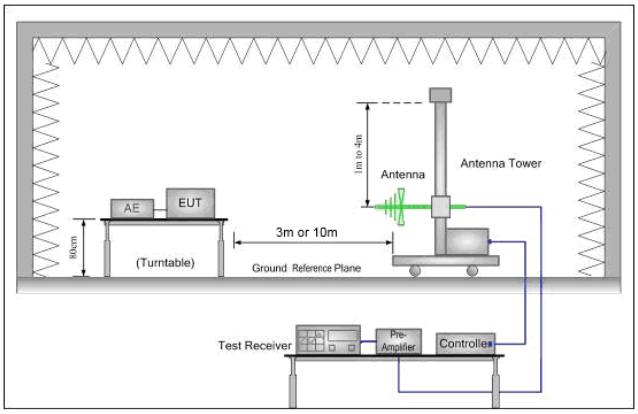

Figure 1. 30MHz to 1GHz

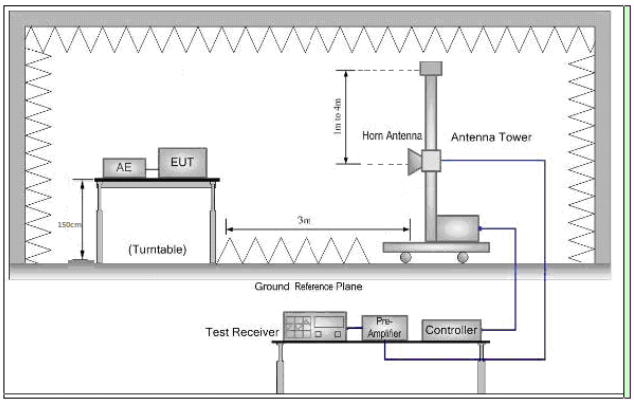

Figure 2. Above 1 GHz

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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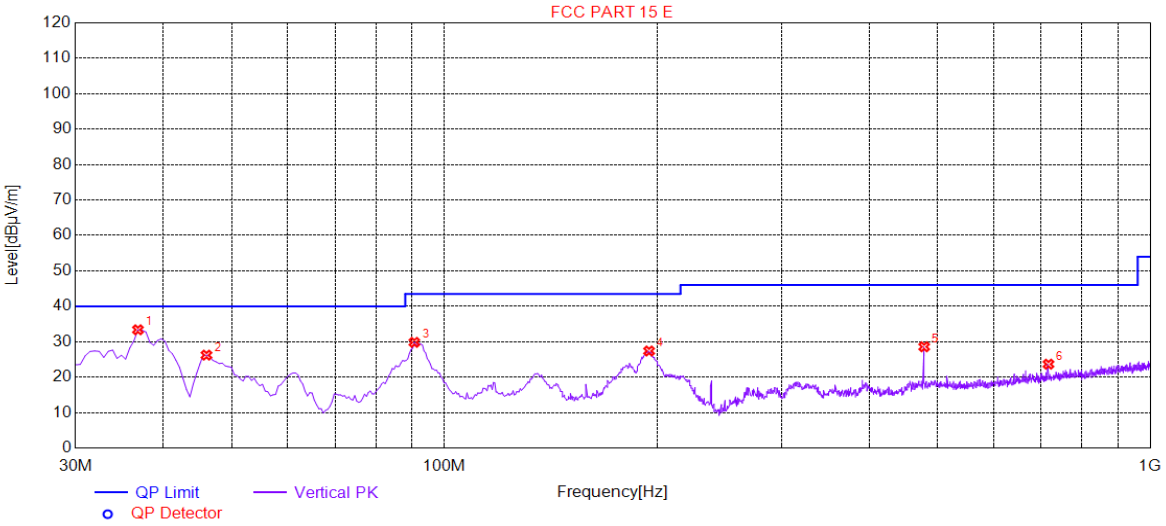
4.9.1 Radiated emission below 1GHz

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	242	202	Vertical
2	46.0130	26.22	-30.20	40.00	13.78	268	345	Vertical
3	90.6553	29.83	-33.32	43.50	13.67	165	106	Vertical
4	194.9825	27.38	-31.35	43.50	16.12	266	115	Vertical
5	478.3642	28.57	-23.25	46.00	17.43	213	195	Vertical
6	717.5888	23.67	-18.32	46.00	22.33	265	255	Vertical

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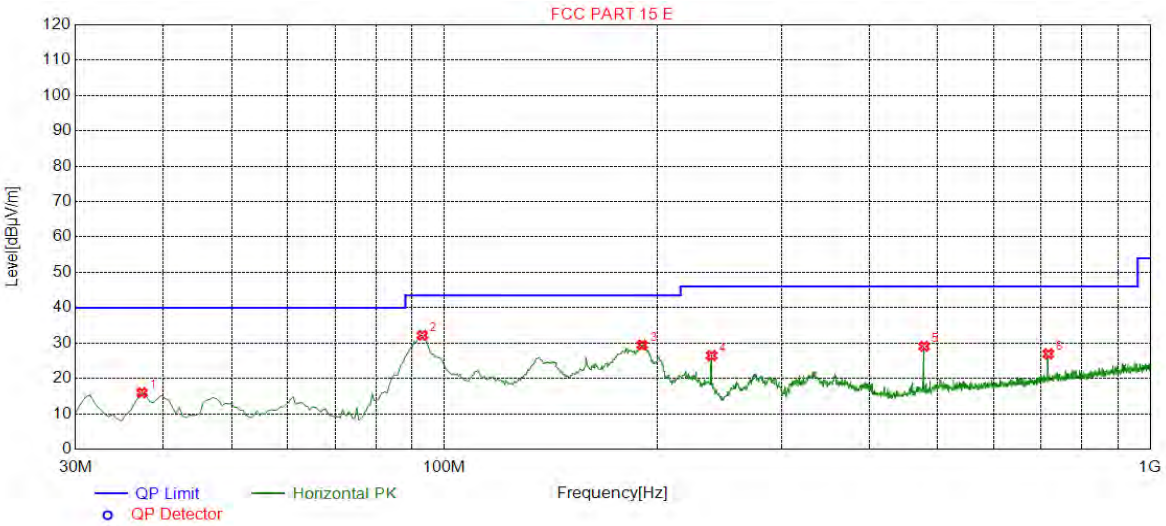
Test mode:	Transmitting	Horizontal



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	161	220	Horizontal
2	93.0815	32.20	-32.89	43.50	11.30	147	276	Horizontal
3	190.615	29.44	-31.81	43.50	14.06	141	81	Horizontal
4	239.139	26.45	-29.63	46.00	19.55	166	110	Horizontal
5	478.364	29.07	-23.25	46.00	16.93	170	229	Horizontal
6	717.103	26.95	-18.33	46.00	19.05	106	81	Horizontal

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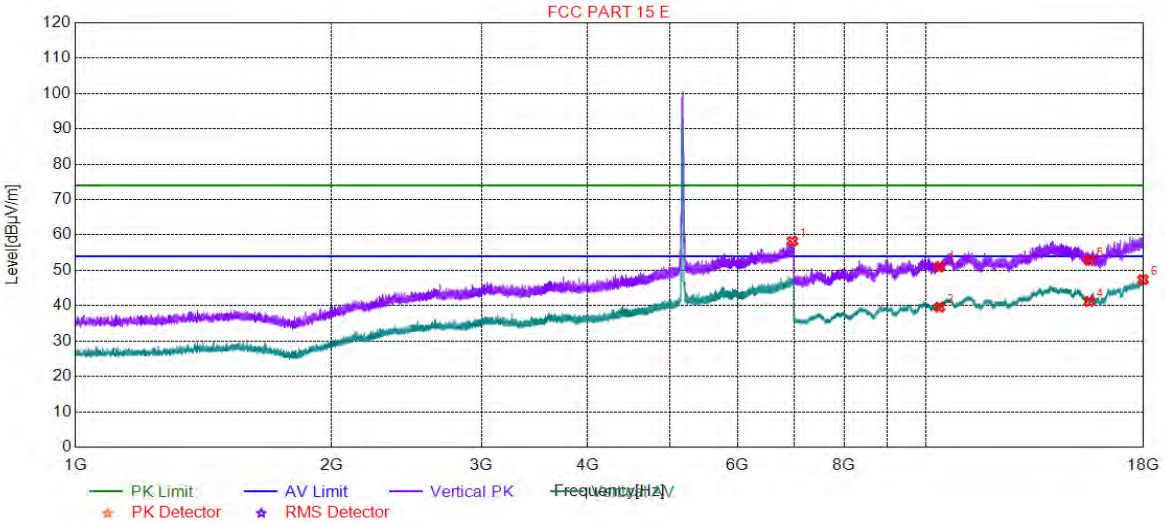
4.9.2 Transmitter emission above 1GHz

4.9.2.1 11A20_36 ANT 1_Vertical



Suspected List								
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1	6959.79	58.24	21.26	74.00	15.76	271	118	Vertical
2	10360.0	39.60	-3.63	54.00	14.40	208	125	Vertical
3	10360.0	51.01	-3.63	74.00	22.99	221	180	Vertical
4	15540.0	41.21	0.46	54.00	12.79	159	180	Vertical
5	15540.0	52.85	0.46	74.00	21.15	279	125	Vertical
6	17968.0	47.38	1.71	54.00	6.62	199	73	Vertical

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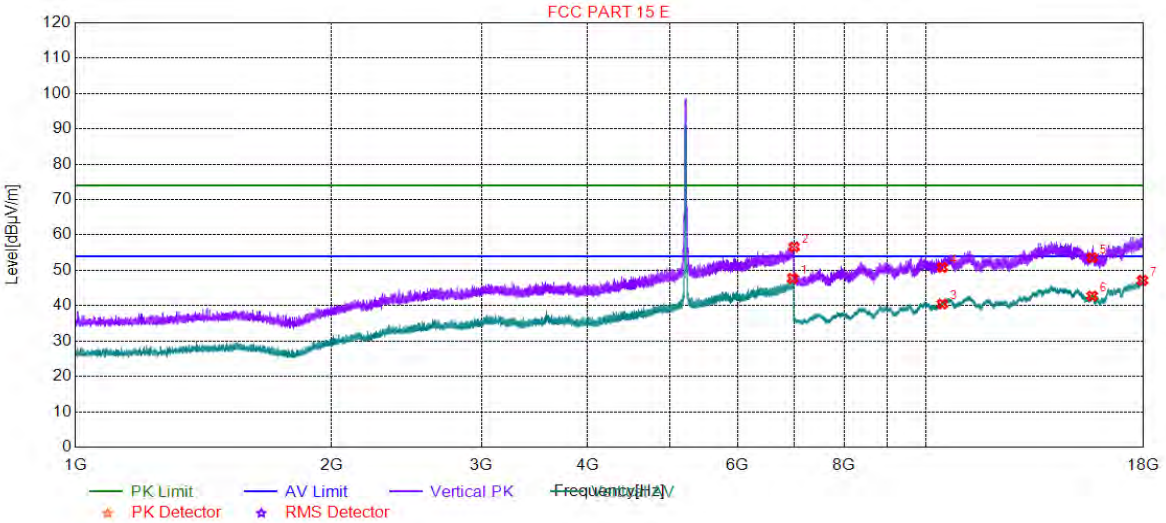
4.9.2.2 11A20_44 ANT 1_Vertical



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	265	88	Vertical
2	6992.79	56.62	21.27	74.00	17.38	252	37	Vertical
3	10440.0	40.50	-3.24	54.00	13.50	168	149	Vertical
4	10440.0	50.80	-3.24	74.00	23.20	257	250	Vertical
5	15660.0	53.58	0.43	74.00	20.42	196	149	Vertical
6	15660.0	42.75	0.43	54.00	11.25	272	199	Vertical
7	17944.4	47.17	1.70	54.00	6.83	191	356	Vertical

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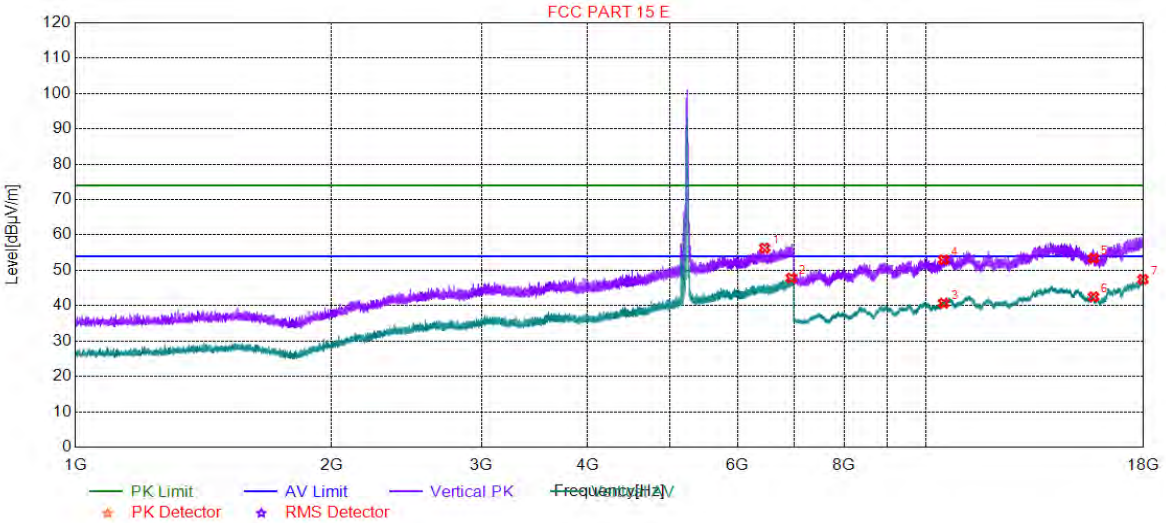
4.9.2.3 11A20_48 ANT 1_Vertical



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	295	219	Vertical
2	6939.09	47.83	21.16	54.00	6.17	192	269	Vertical
3	10480.0	40.69	-2.94	54.00	13.31	199	42	Vertical
4	10480.0	52.97	-2.94	74.00	21.03	222	360	Vertical
5	15720.0	53.38	0.29	74.00	20.62	221	255	Vertical
6	15720.0	42.50	0.29	54.00	11.50	210	152	Vertical
7	17965.3	47.43	1.71	54.00	6.57	295	312	Vertical

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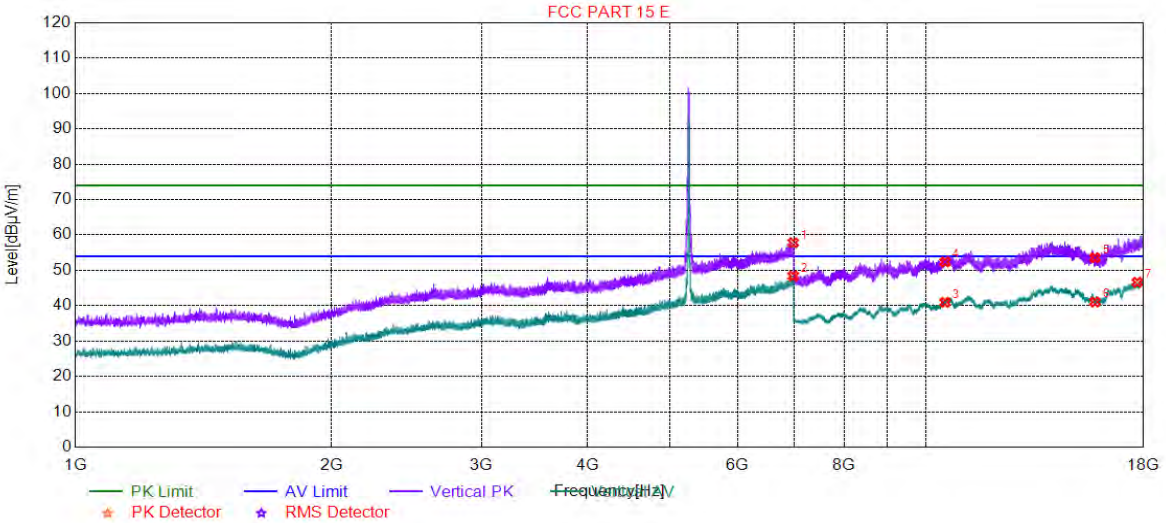
4.9.2.4 11A20_52 ANT 1_Vertical



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	179	360	Vertical
2	6974.49	48.38	21.26	54.00	5.62	210	360	Vertical
3	10520.0	40.96	-2.80	54.00	13.04	181	86	Vertical
4	10520.0	52.36	-2.80	74.00	21.64	265	34	Vertical
5	15780.0	53.57	-0.72	74.00	20.43	238	303	Vertical
6	15780.0	41.07	-0.72	54.00	12.93	218	303	Vertical
7	17696.9	46.62	2.36	54.00	7.38	256	251	Vertical

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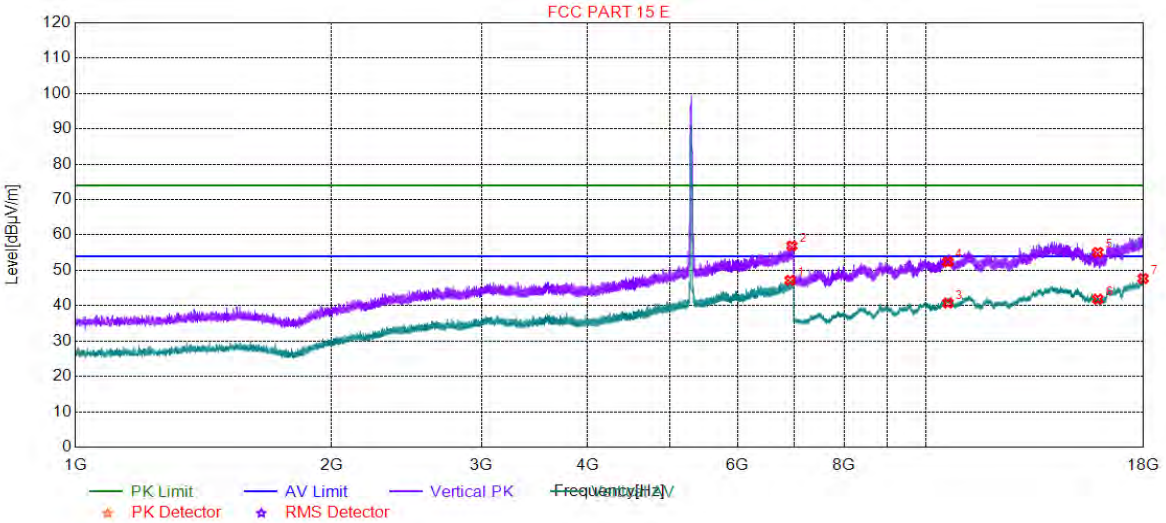
4.9.2.5 11A20_60 ANT 1_Vertical



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	257	127	Vertical
2	6948.39	56.95	21.24	74.00	17.05	184	226	Vertical
3	10600.0	40.75	-2.86	54.00	13.25	226	296	Vertical
4	10600.0	52.39	-2.86	74.00	21.61	170	124	Vertical
5	15900.0	55.10	-0.51	74.00	18.90	193	296	Vertical
6	15900.0	41.85	-0.51	54.00	12.15	193	68	Vertical
7	17972.4	47.68	1.71	54.00	6.32	203	235	Vertical

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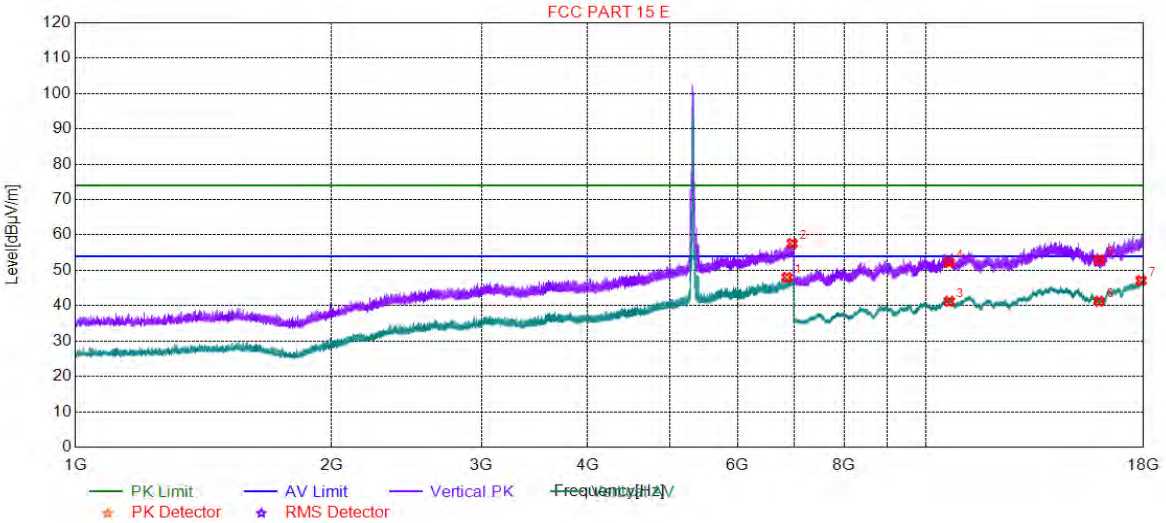
4.9.2.6 11A20_64 ANT 1_Vertical



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	210	218	Vertical
2	6956.79	57.58	21.26	74.00	16.42	157	318	Vertical
3	10640.0	41.21	-2.84	54.00	12.79	256	79	Vertical
4	10640.0	52.23	-2.84	74.00	21.77	213	352	Vertical
5	15960.0	52.91	-0.61	74.00	21.09	208	187	Vertical
6	15960.0	41.26	-0.61	54.00	12.74	154	298	Vertical
7	17875.1	47.12	1.36	54.00	6.88	175	29	Vertical

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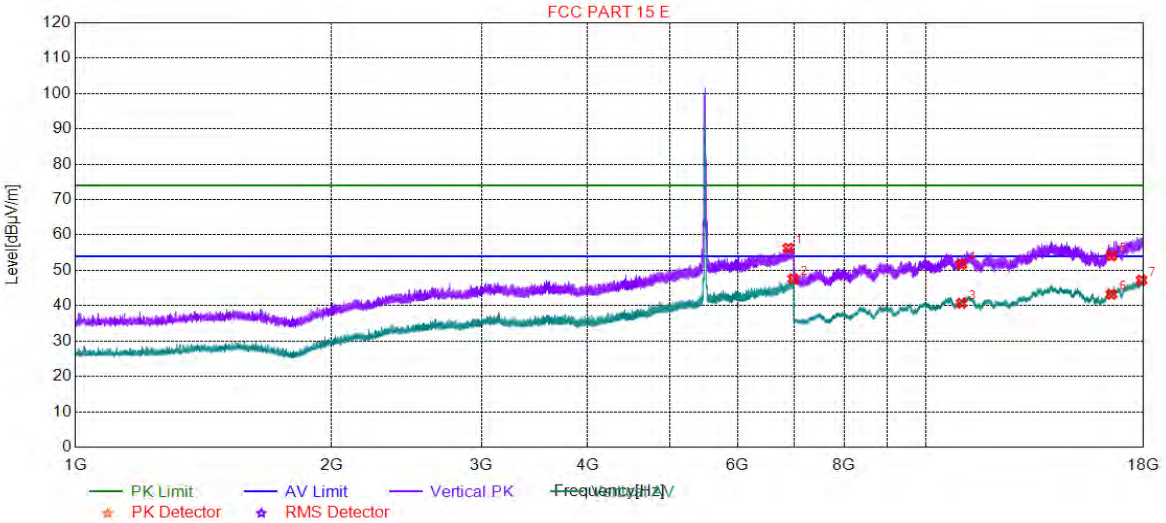
4.9.2.7 11A20_100 ANT 1_Vertical



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	222	118	Vertical
2	6976.29	47.62	21.26	54.00	6.38	269	118	Vertical
3	11000.0	40.70	-2.17	54.00	13.30	225	82	Vertical
4	11000.0	51.71	-2.17	74.00	22.29	242	351	Vertical
5	16500.0	54.09	0.34	74.00	19.91	269	298	Vertical
6	16500.0	43.25	0.34	54.00	10.75	251	82	Vertical
7	17901.5	47.23	1.69	54.00	6.77	273	30	Vertical

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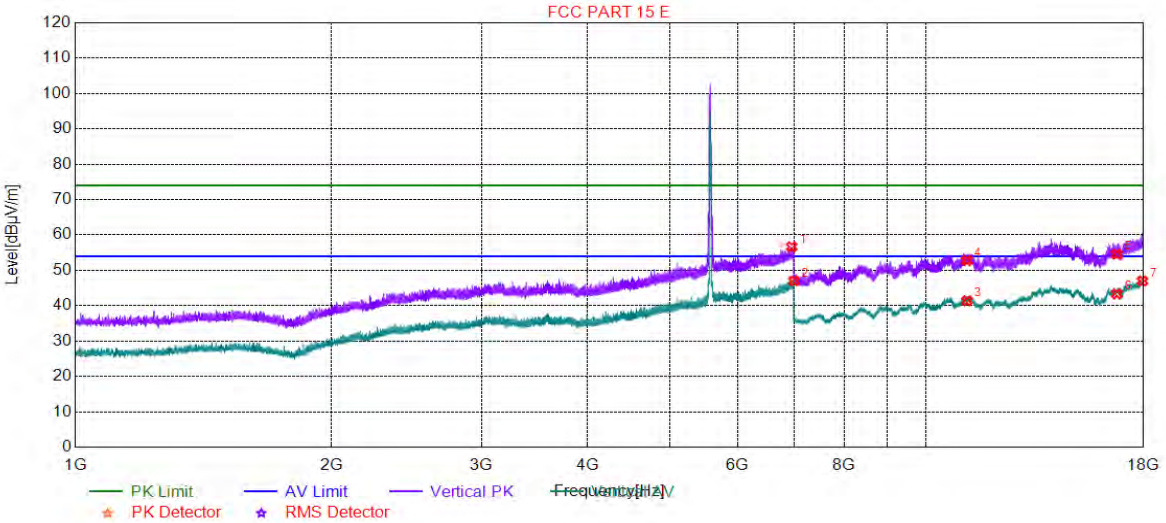
4.9.2.8 11A20_116 ANT 1_Vertical



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	258	150	Vertical
2	6989.49	47.01	21.27	54.00	6.99	163	150	Vertical
3	11160.0	41.37	-2.32	54.00	12.63	283	145	Vertical
4	11160.0	52.75	-2.32	74.00	21.25	243	313	Vertical
5	16740.0	54.56	0.71	74.00	19.44	179	255	Vertical
6	16740.0	43.34	0.71	54.00	10.66	230	313	Vertical
7	17943.8	46.99	1.70	54.00	7.01	150	255	Vertical

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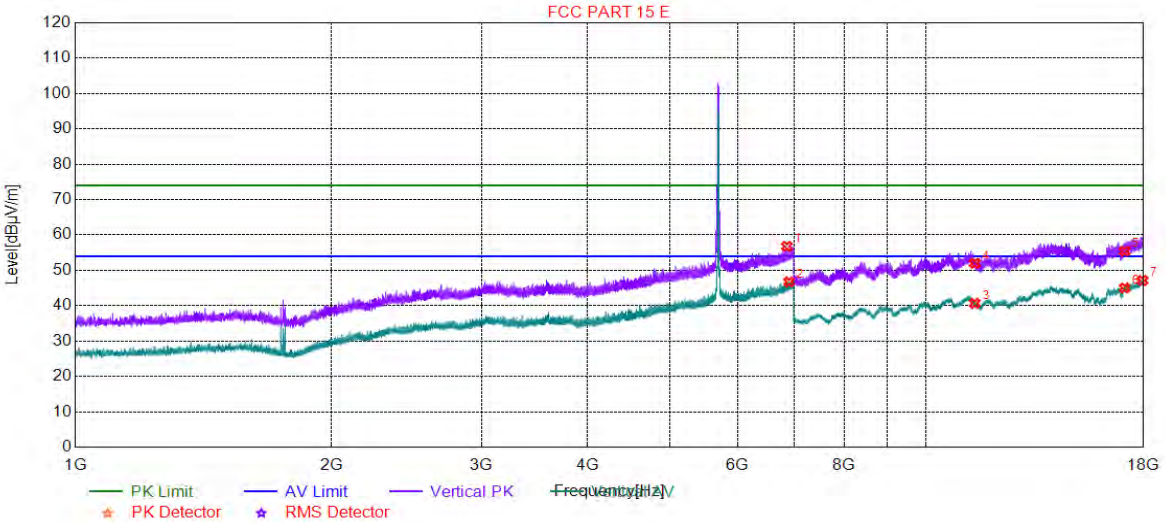
4.9.2.9 11A20_140 ANT 1_Vertical



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	181	94	Vertical
2	6896.19	46.73	20.82	54.00	7.27	212	0	Vertical
3	11400.0	40.67	-2.15	54.00	13.33	169	194	Vertical
4	11400.0	52.00	-2.15	74.00	22.00	259	138	Vertical
5	17100.0	55.43	0.04	74.00	18.57	175	357	Vertical
6	17100.0	45.01	0.04	54.00	8.99	155	138	Vertical
7	17948.8	47.13	1.70	54.00	6.87	154	248	Vertical

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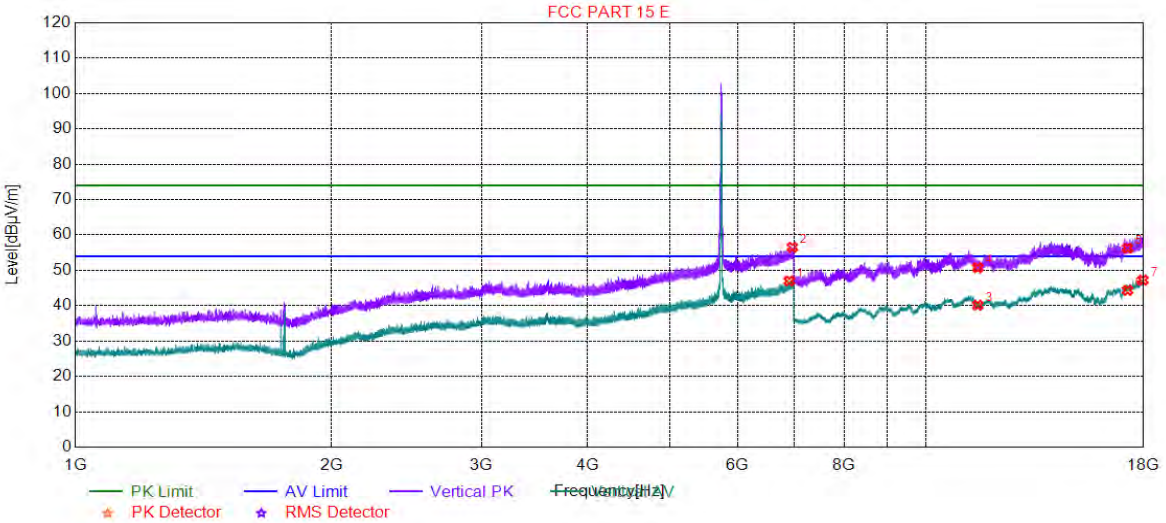
4.9.2.10 11A20_149 ANT 1_Vertical



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	276	46	Vertical
2	6958.89	56.54	21.26	74.00	17.46	196	103	Vertical
3	11490.0	40.15	-2.03	54.00	13.85	205	193	Vertical
4	11490.0	50.73	-2.03	74.00	23.27	241	360	Vertical
5	17235.0	56.28	0.33	74.00	17.72	163	256	Vertical
6	17235.0	44.35	0.33	54.00	9.65	187	193	Vertical
7	17966.4	47.25	1.71	54.00	6.75	228	140	Vertical

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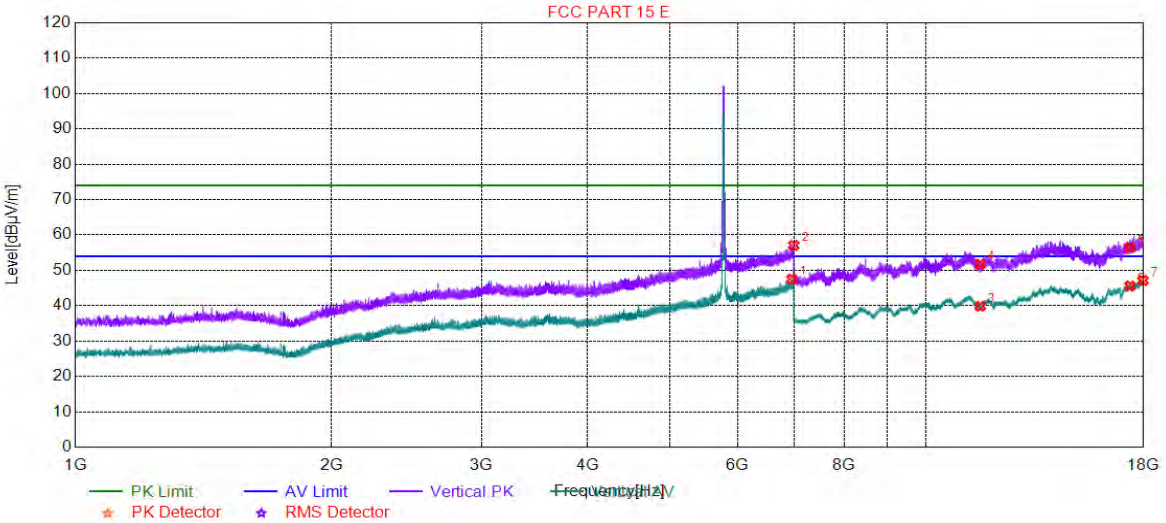
4.9.2.11 11A20_157 ANT 1_Vertical



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	193	136	Vertical
2	6983.49	57.07	21.27	74.00	16.93	275	197	Vertical
3	11570.0	39.85	-2.39	54.00	14.15	175	33	Vertical
4	11570.0	51.79	-2.39	74.00	22.21	193	33	Vertical
5	17355.0	56.41	1.06	74.00	17.59	248	261	Vertical
6	17355.0	45.58	1.06	54.00	8.42	239	33	Vertical
7	17967.5	47.13	1.71	54.00	6.87	181	322	Vertical

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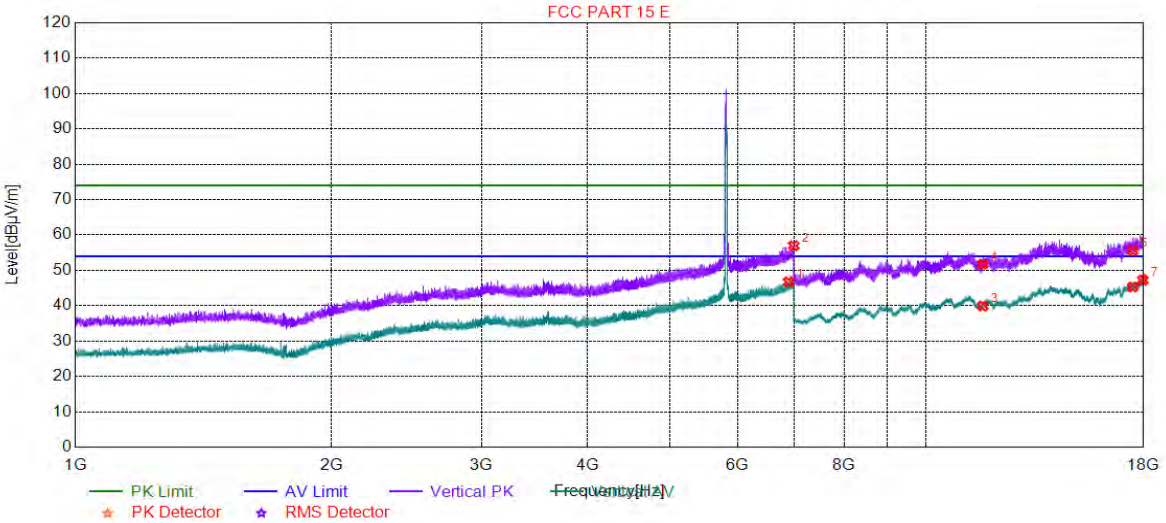
4.9.2.12 11A20_161 ANT 1_Vertical



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	158	114	Vertical
2	6984.69	56.96	21.27	74.00	17.04	264	335	Vertical
3	11650.0	39.92	-2.49	54.00	14.08	198	353	Vertical
4	11650.0	51.72	-2.49	74.00	22.28	160	135	Vertical
5	17475.0	55.55	1.76	74.00	18.45	203	26	Vertical
6	17475.0	45.27	1.76	54.00	8.73	299	76	Vertical
7	17957.6	47.23	1.71	54.00	6.77	285	76	Vertical

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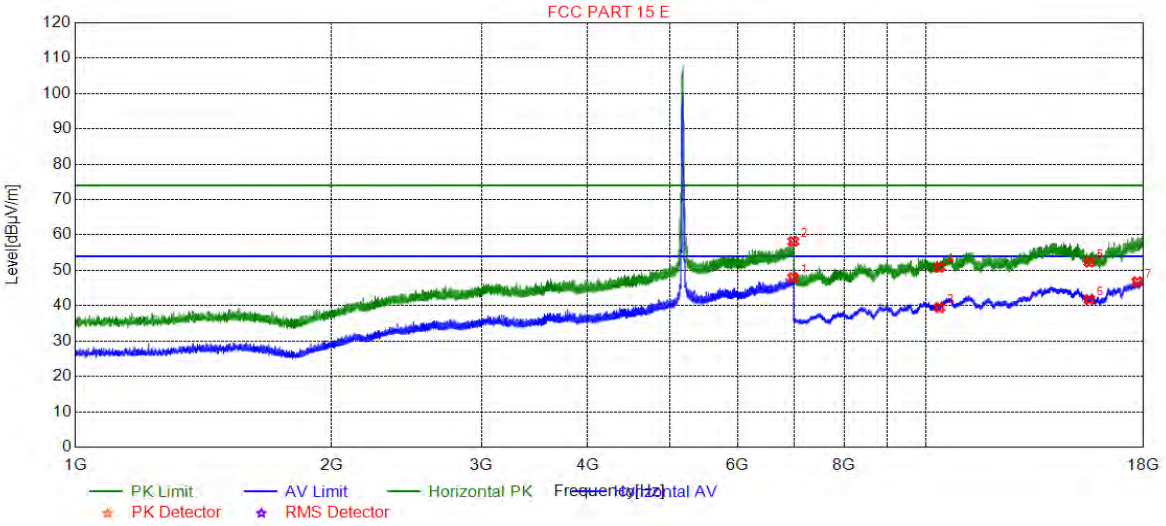
4.9.2.13 11A20_36 ANT 1_Horizontal



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	240	0	Horizontal
2	6977.79	58.18	21.26	74.00	15.82	192	141	Horizontal
3	10360.0	39.51	-3.63	54.00	14.49	192	234	Horizontal
4	10360.0	50.90	-3.63	74.00	23.10	191	181	Horizontal
5	15540.0	52.30	0.46	74.00	21.70	108	181	Horizontal
6	15540.0	41.75	0.46	54.00	12.25	120	127	Horizontal
7	17697.4	46.75	2.36	54.00	7.25	134	77	Horizontal

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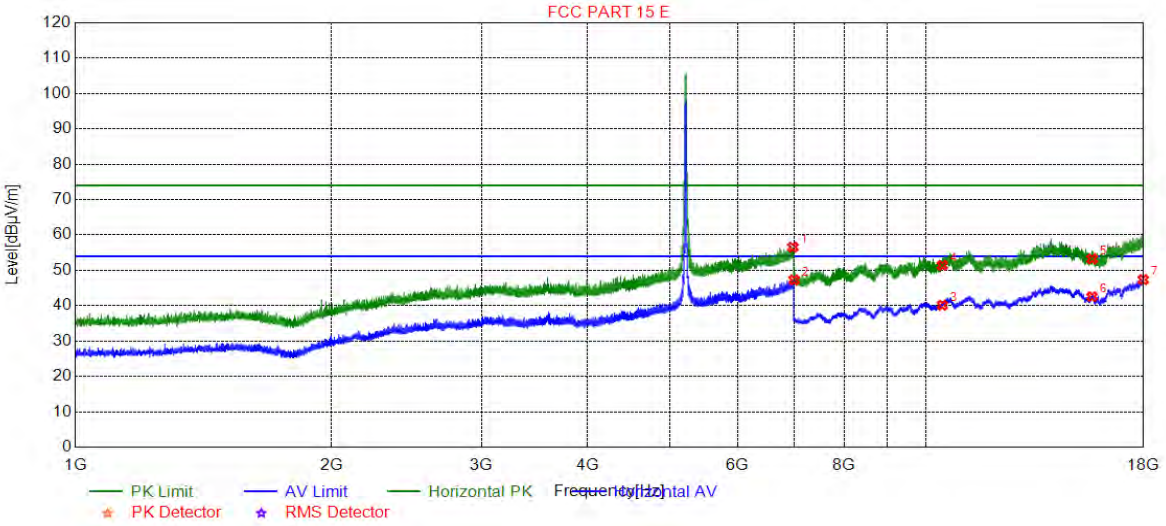
4.9.2.14 11A20_44 ANT 1_ Horizontal



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	108	360	Horizontal
2	6990.69	47.28	21.27	54.00	6.72	156	128	Horizontal
3	10440.0	40.15	-3.24	54.00	13.85	125	248	Horizontal
4	10440.0	51.41	-3.24	74.00	22.59	134	198	Horizontal
5	15660.0	53.24	0.43	74.00	20.76	175	248	Horizontal
6	15660.0	42.57	0.43	54.00	11.43	149	29	Horizontal
7	17982.9	47.36	1.71	54.00	6.64	223	84	Horizontal

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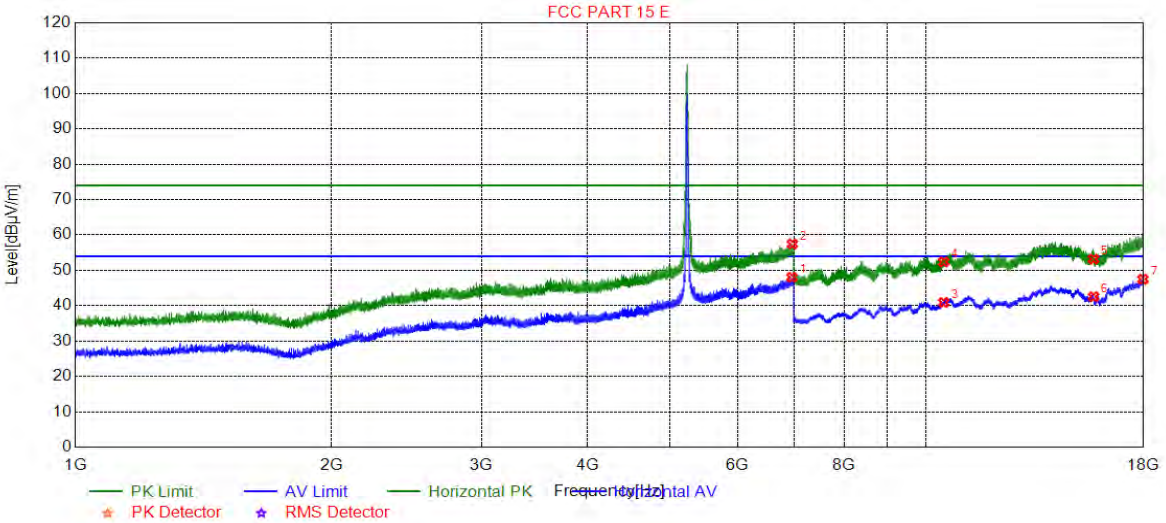
4.9.2.15 11A20_48 ANT 1_ Horizontal



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	244	0	Horizontal
2	6959.79	57.48	21.26	74.00	16.52	137	0	Horizontal
3	10480.0	40.91	-2.94	54.00	13.09	247	0	Horizontal
4	10480.0	52.37	-2.94	74.00	21.63	211	0	Horizontal
5	15720.0	53.18	0.29	74.00	20.82	129	82	Horizontal
6	15720.0	42.54	0.29	54.00	11.46	138	0	Horizontal
7	17965.8	47.47	1.71	54.00	6.53	139	0	Horizontal

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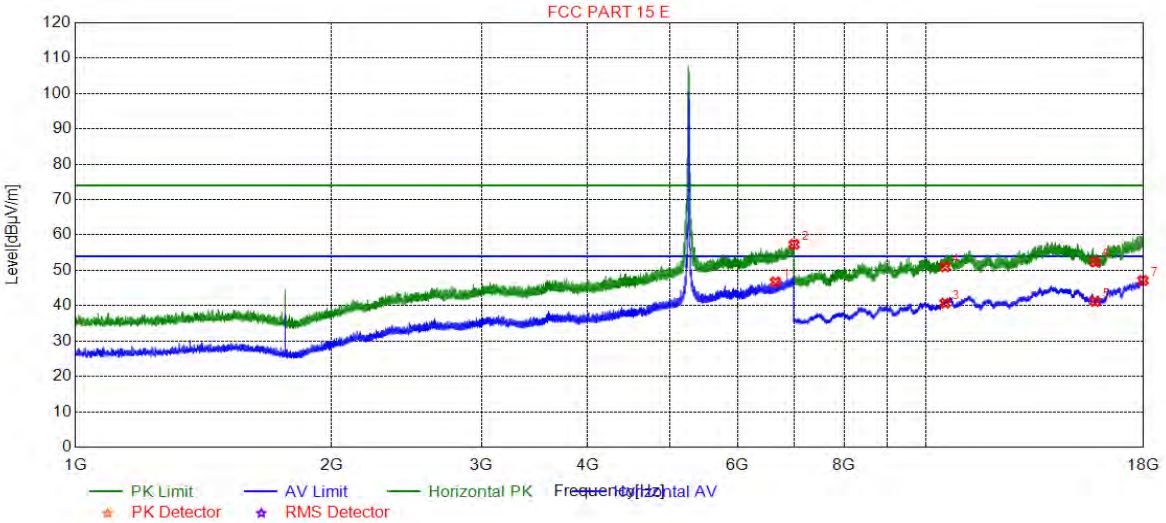
4.9.2.16 11A20_52 ANT 1_ Horizontal



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	124	0	Horizontal
2	6992.79	57.30	21.27	74.00	16.70	146	238	Horizontal
3	10520.0	40.71	-2.80	54.00	13.29	164	56	Horizontal
4	10520.0	50.98	-2.80	74.00	23.02	105	289	Horizontal
5	15780.0	41.21	-0.72	54.00	12.79	132	170	Horizontal
6	15780.0	52.36	-0.72	74.00	21.64	148	2	Horizontal
7	17969.1	47.14	1.71	54.00	6.86	105	342	Horizontal

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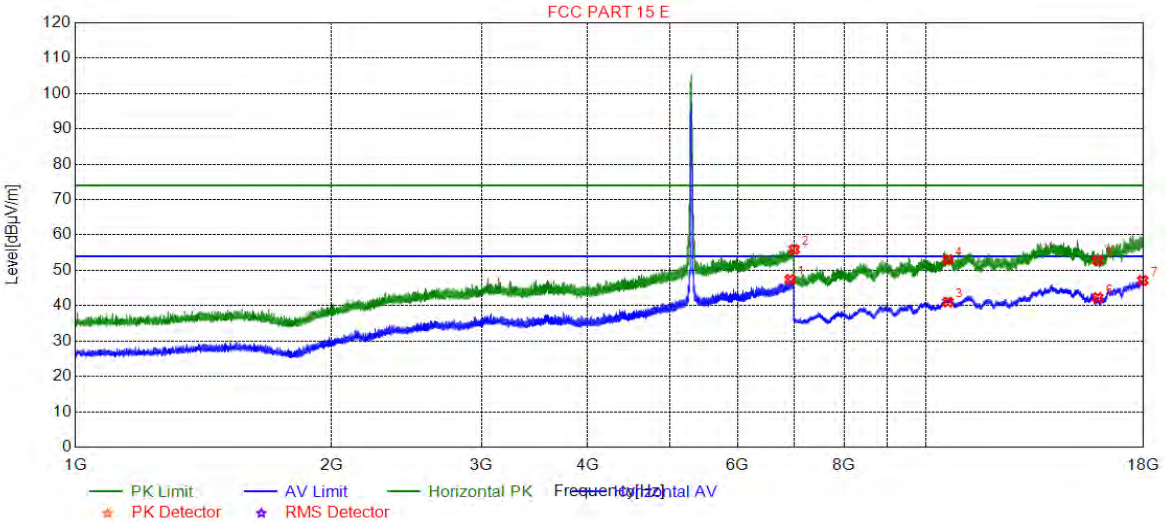
4.9.2.17 11A20_60 ANT 1_ Horizontal



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	214	238	Horizontal
2	6992.49	55.91	21.27	74.00	18.09	119	238	Horizontal
3	10600.0	41.05	-2.86	54.00	12.95	164	154	Horizontal
4	10600.0	53.02	-2.86	74.00	20.98	107	48	Horizontal
5	15900.0	52.79	-0.51	74.00	21.21	211	259	Horizontal
6	15900.0	42.24	-0.51	54.00	11.76	109	329	Horizontal
7	17956.5	47.14	1.71	54.00	6.86	106	206	Horizontal

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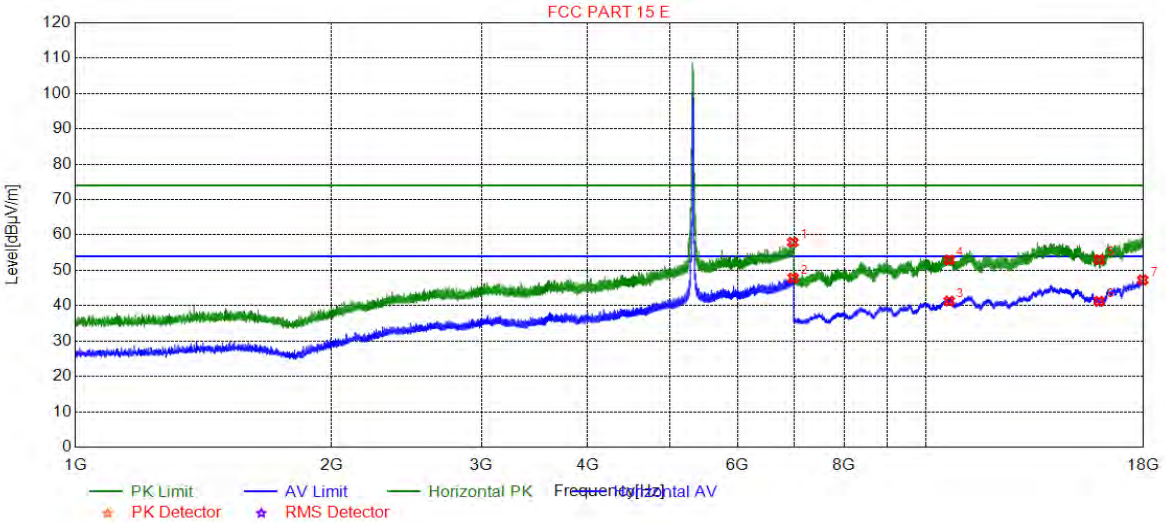
4.9.2.18 11A20_64 ANT 1_ Horizontal



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	120	42	Horizontal
2	6975.09	47.83	21.26	54.00	6.17	117	92	Horizontal
3	10640.0	41.32	-2.84	54.00	12.68	156	335	Horizontal
4	10640.0	52.92	-2.84	74.00	21.08	207	66	Horizontal
5	15960.0	53.04	-0.61	74.00	20.96	144	117	Horizontal
6	15960.0	41.25	-0.61	54.00	12.75	152	335	Horizontal
7	17956.5	47.26	1.71	54.00	6.74	151	335	Horizontal

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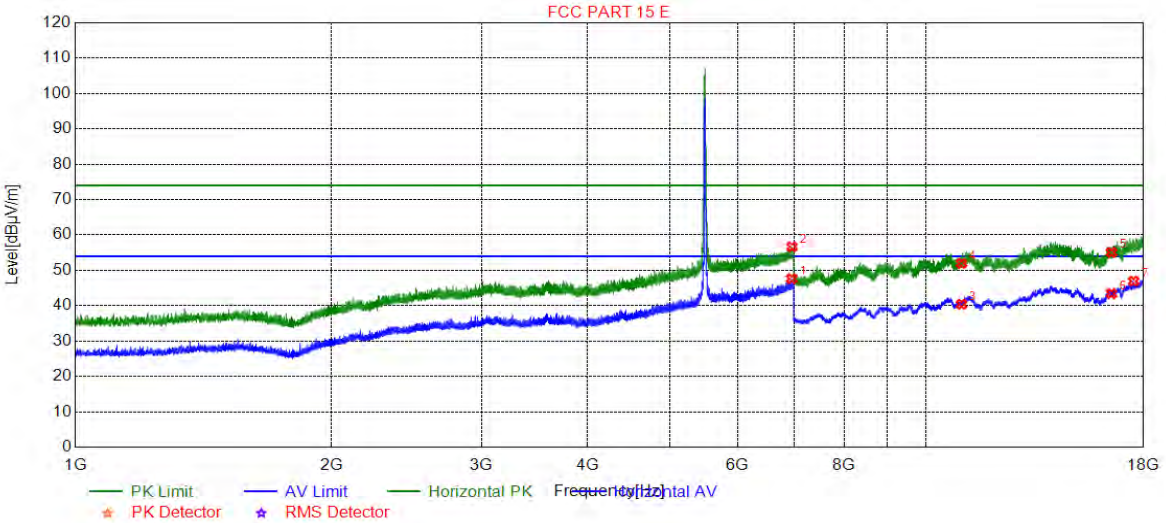
4.9.2.19 11A20_100 ANT 1_ Horizontal



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	177	37	Horizontal
2	6952.29	56.68	21.26	74.00	17.32	176	91	Horizontal
3	11000.0	40.40	-2.17	54.00	13.60	194	276	Horizontal
4	11000.0	51.98	-2.17	74.00	22.02	141	224	Horizontal
5	16500.0	55.05	0.34	74.00	18.95	221	174	Horizontal
6	16500.0	43.42	0.34	54.00	10.58	140	329	Horizontal
7	17521.4	46.96	2.00	54.00	7.04	201	11	Horizontal

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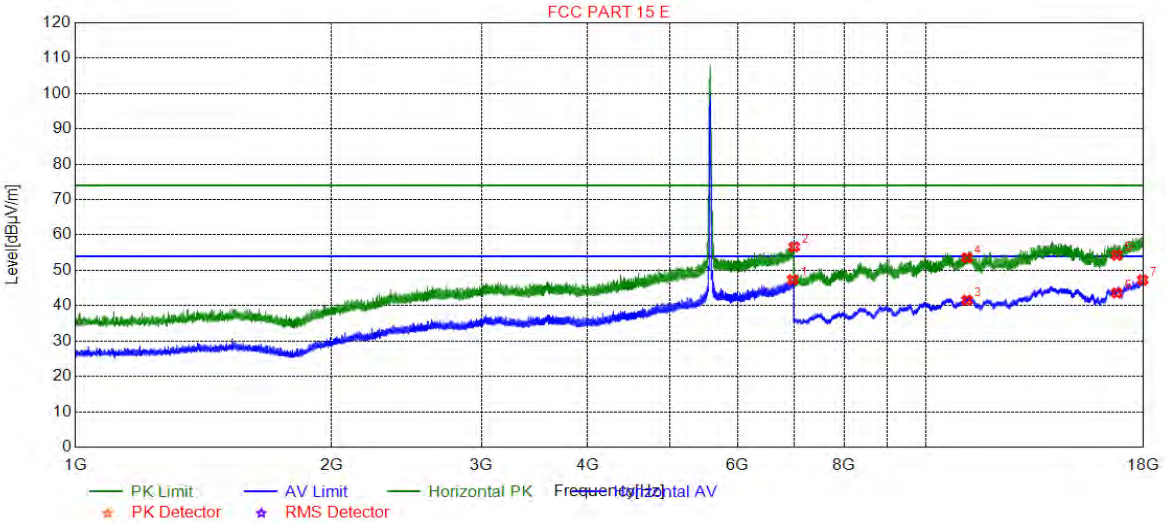
4.9.2.20 11A20_116 ANT 1_ Horizontal



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	211	259	Horizontal
2	6993.39	56.63	21.27	74.00	17.37	189	79	Horizontal
3	11160.0	41.54	-2.32	54.00	12.46	154	142	Horizontal
4	11160.0	53.55	-2.32	74.00	20.45	170	193	Horizontal
5	16740.0	54.30	0.71	74.00	19.70	208	292	Horizontal
6	16740.0	43.61	0.71	54.00	10.39	144	142	Horizontal
7	17954.3	47.26	1.71	54.00	6.74	109	292	Horizontal

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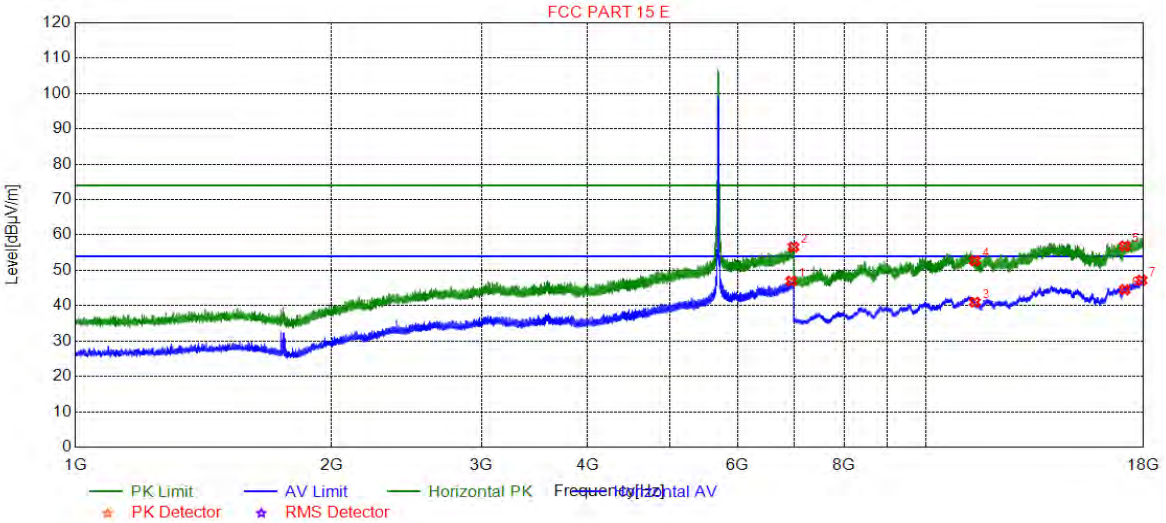
4.9.2.21 11A20_140 ANT 1_ Horizontal



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	132	18	Horizontal
2	6979.59	56.60	21.26	74.00	17.40	223	18	Horizontal
3	11400.0	41.00	-2.15	54.00	13.00	174	134	Horizontal
4	11400.0	52.73	-2.15	74.00	21.27	227	134	Horizontal
5	17100.0	56.91	0.04	74.00	17.09	219	284	Horizontal
6	17100.0	44.54	0.04	54.00	9.46	139	84	Horizontal
7	17903.1	47.21	1.69	54.00	6.79	187	234	Horizontal

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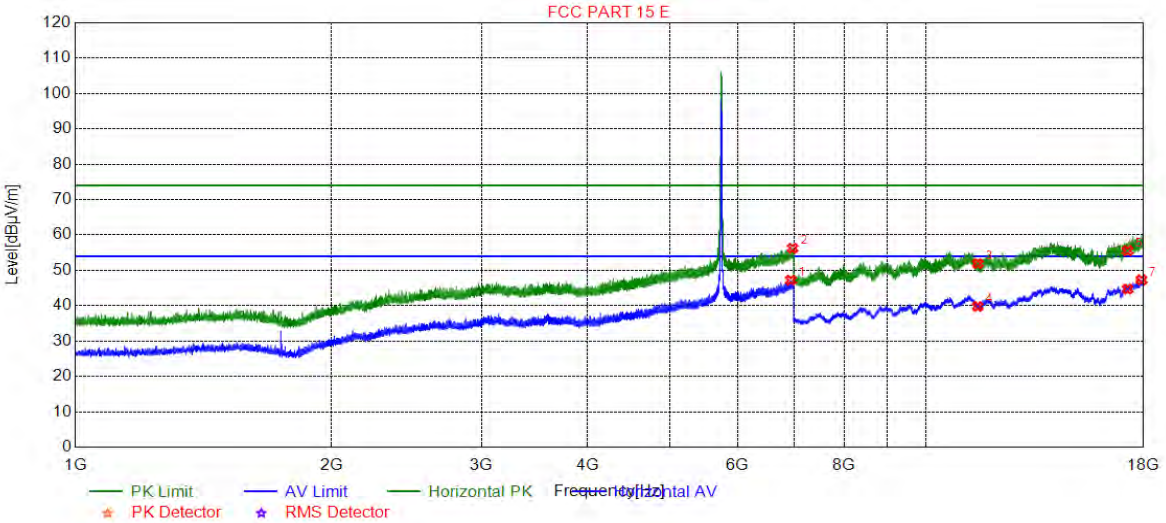
4.9.2.22 11A20_149 ANT 1_ Horizontal



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	164	73	Horizontal
2	6963.69	56.25	21.26	74.00	17.75	213	263	Horizontal
3	11490.0	51.92	-2.03	74.00	22.08	236	287	Horizontal
4	11490.0	39.78	-2.03	54.00	14.22	113	287	Horizontal
5	17235.0	55.54	0.33	74.00	18.46	109	170	Horizontal
6	17235.0	44.69	0.33	54.00	9.31	137	118	Horizontal
7	17902.6	47.30	1.69	54.00	6.70	232	338	Horizontal

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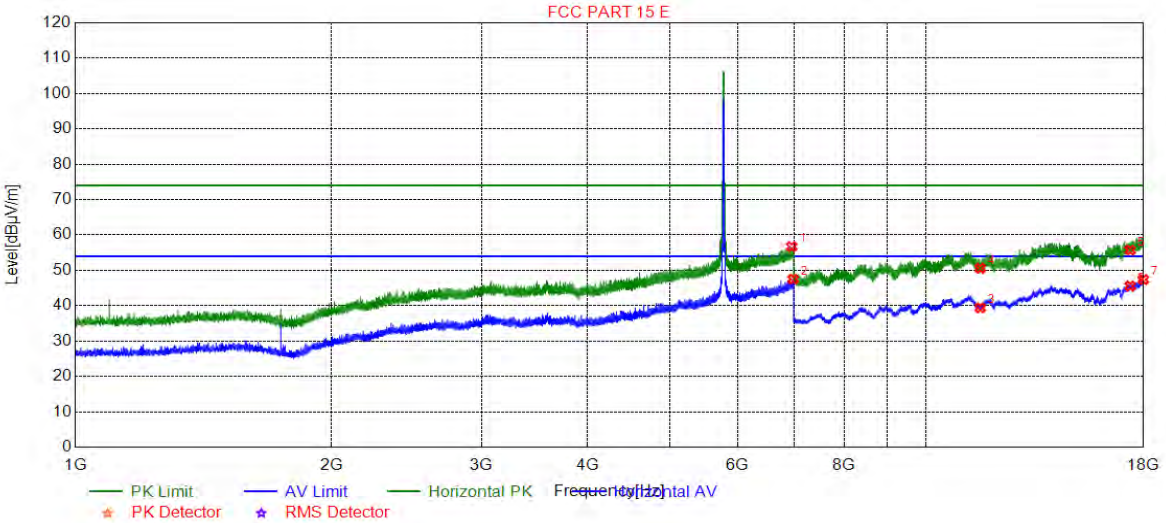
4.9.2.23 11A20_157 ANT 1_ Horizontal



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	148	253	Horizontal
2	6972.99	47.52	21.26	54.00	6.48	191	83	Horizontal
3	11570.0	39.42	-2.39	54.00	14.58	147	84	Horizontal
4	11570.0	50.60	-2.39	74.00	23.40	187	140	Horizontal
5	17355.0	55.73	1.06	74.00	18.27	160	193	Horizontal
6	17355.0	45.55	1.06	54.00	8.45	228	329	Horizontal
7	17987.3	47.39	1.72	54.00	6.61	225	140	Horizontal

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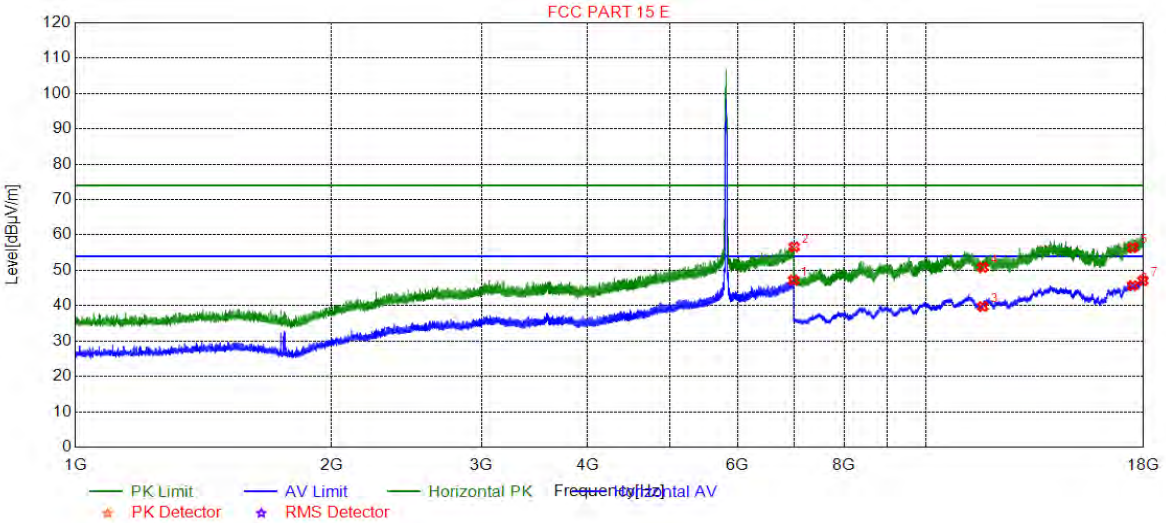
4.9.2.24 11A20_161 ANT 1_ Horizontal



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	201	18	Horizontal
2	6993.39	56.64	21.27	74.00	17.36	125	352	Horizontal
3	11650.0	39.76	-2.49	54.00	14.24	194	203	Horizontal
4	11650.0	50.87	-2.49	74.00	23.13	198	308	Horizontal
5	17475.0	56.42	1.76	74.00	17.58	238	254	Horizontal
6	17475.0	45.67	1.76	54.00	8.33	165	308	Horizontal
7	17966.4	47.10	1.71	54.00	6.90	116	32	Horizontal

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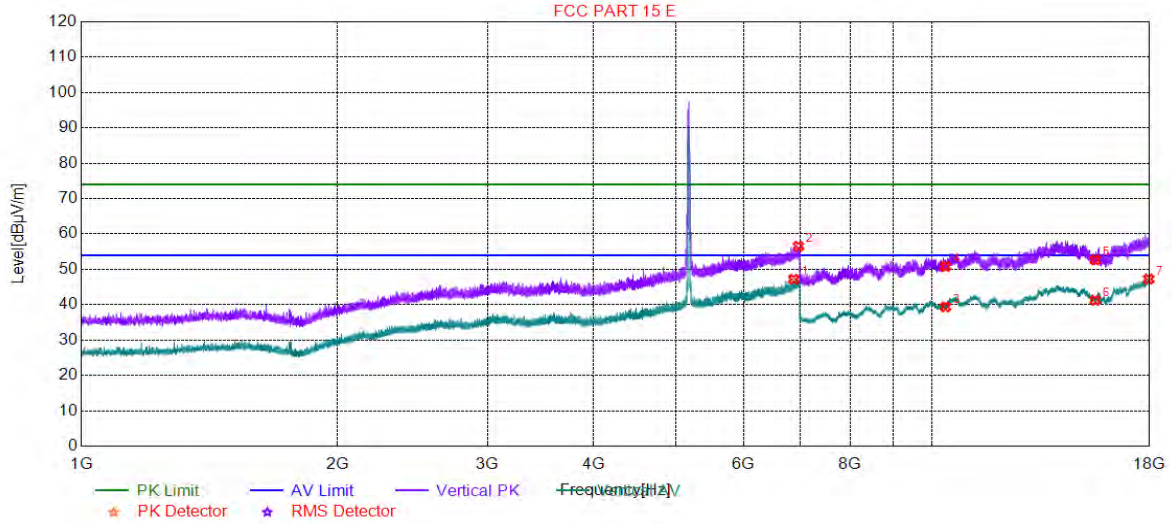
4.9.2.25 11N20_36 ANT 1_Vertical



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	216	333	Vertical
2	6961.29	56.56	21.26	74.00	17.44	299	183	Vertical
3	10360.0	39.39	-3.63	54.00	14.61	257	356	Vertical
4	10360.0	50.82	-3.63	74.00	23.18	178	139	Vertical
5	15540.0	52.69	0.46	74.00	21.31	267	80	Vertical
6	15540.0	41.25	0.46	54.00	12.75	277	80	Vertical
7	17950.4	47.25	1.71	54.00	6.75	294	253	Vertical

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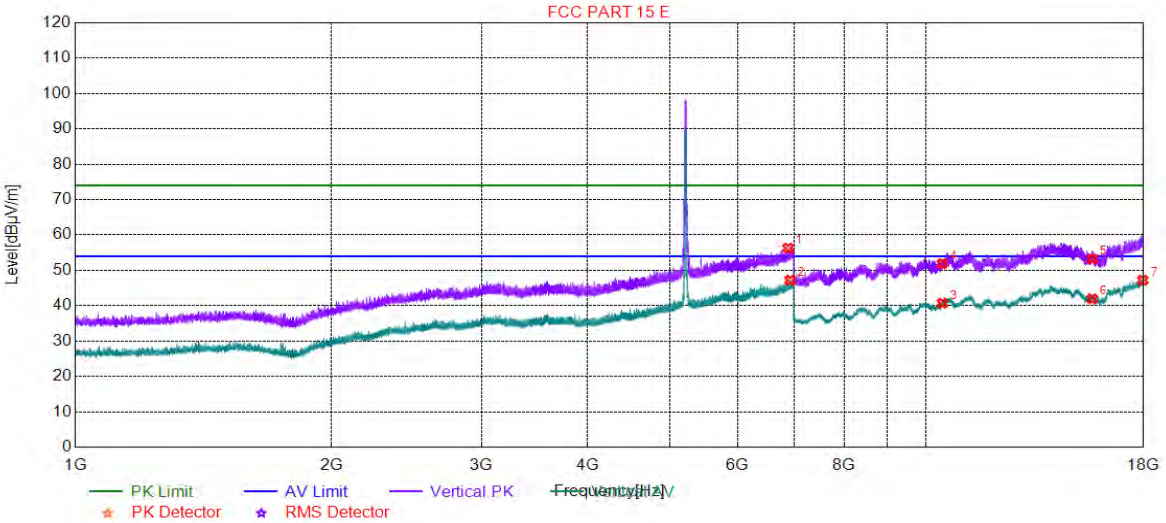
4.9.2.26 11N20_44 ANT 1_Vertical



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	220	248	Vertical
2	6915.99	47.23	20.95	54.00	6.77	210	307	Vertical
3	10440.0	40.69	-3.24	54.00	13.31	154	88	Vertical
4	10440.0	51.88	-3.24	74.00	22.12	227	88	Vertical
5	15660.0	53.21	0.43	74.00	20.79	273	205	Vertical
6	15660.0	41.92	0.43	54.00	12.08	257	269	Vertical
7	17956.5	47.21	1.71	54.00	6.79	264	320	Vertical

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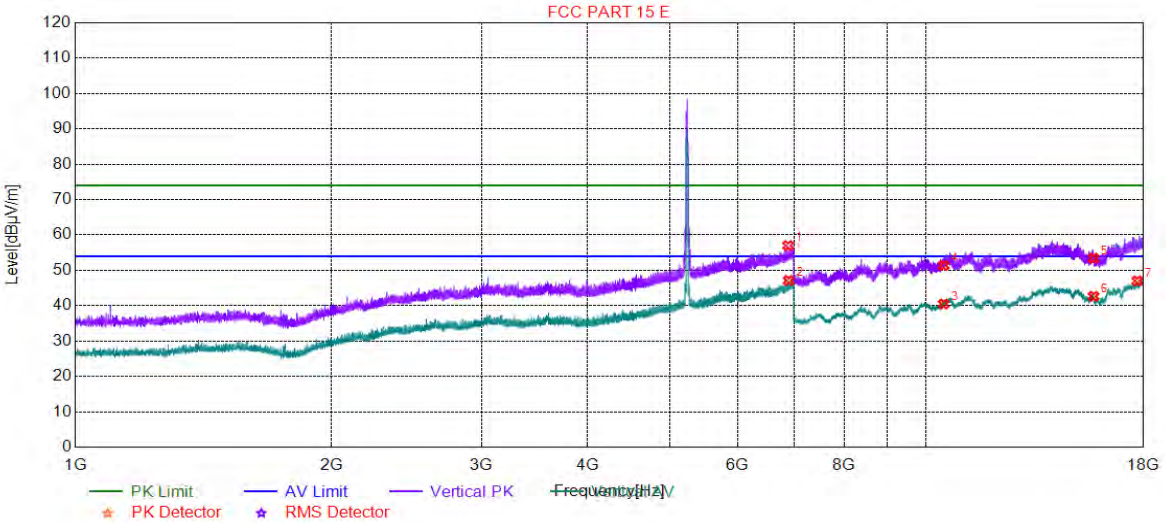
4.9.2.27 11N20_48 ANT 1_Vertical



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	221	338	Vertical
2	6889.59	47.14	20.83	54.00	6.86	196	130	Vertical
3	10480.0	40.49	-2.94	54.00	13.51	243	317	Vertical
4	10480.0	51.35	-2.94	74.00	22.65	267	140	Vertical
5	15720.0	53.39	0.29	74.00	20.61	155	360	Vertical
6	15720.0	42.67	0.29	54.00	11.33	175	262	Vertical
7	17698.5	47.02	2.36	54.00	6.98	295	25	Vertical

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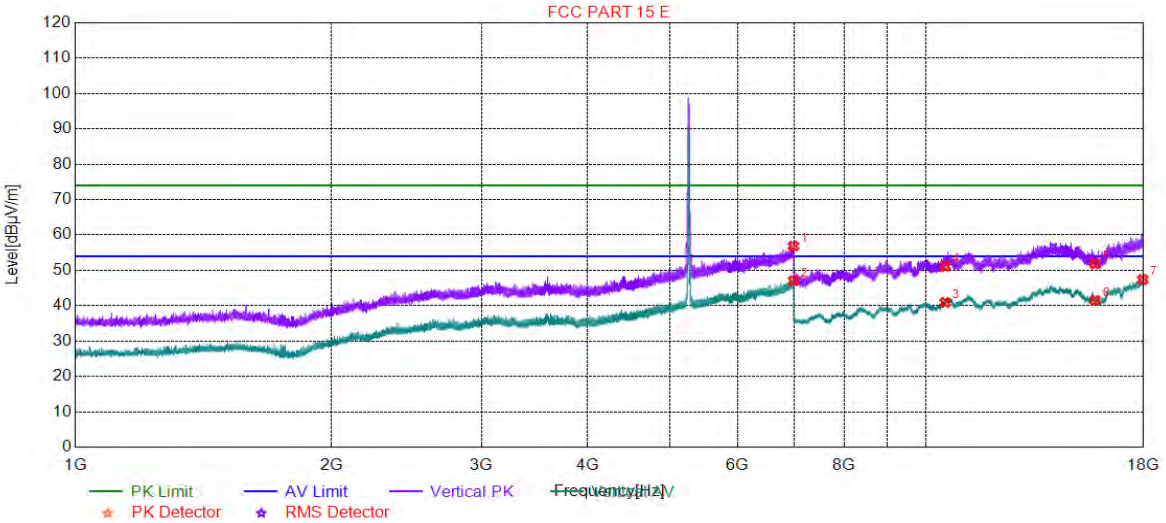
4.9.2.28 11N20_52 ANT 1_Vertical



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	229	141	Vertical
2	6981.39	47.07	21.26	54.00	6.93	236	242	Vertical
3	10520.0	40.92	-2.80	54.00	13.08	157	299	Vertical
4	10520.0	51.14	-2.80	74.00	22.86	284	32	Vertical
5	15780.0	51.82	-0.72	74.00	22.18	269	299	Vertical
6	15780.0	41.53	-0.72	54.00	12.47	295	243	Vertical
7	17952.6	47.38	1.71	54.00	6.62	170	137	Vertical

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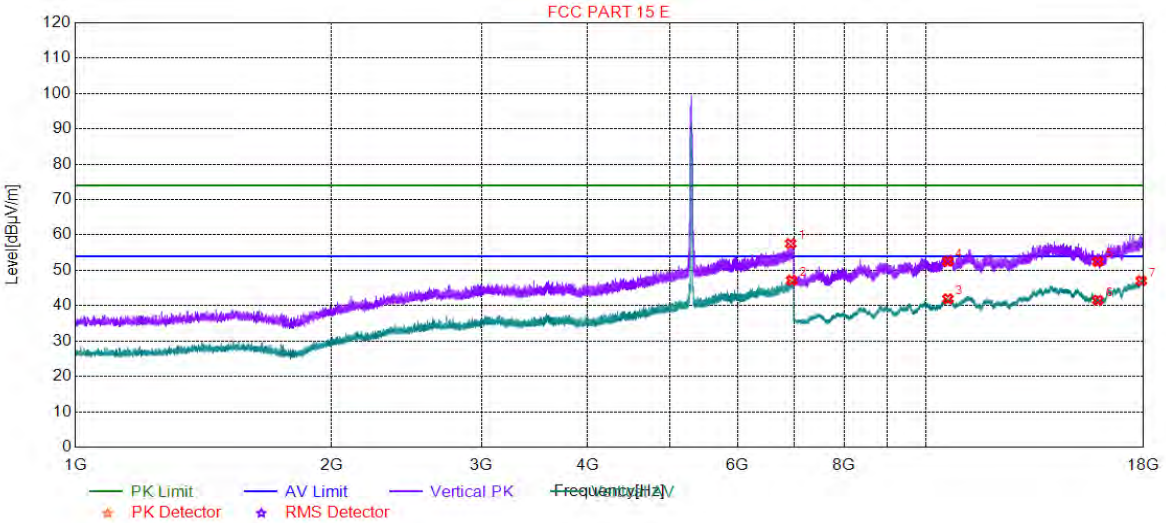
4.9.2.29 11N20_60 ANT 1_Vertical



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	194	123	Vertical
2	6946.89	47.18	21.23	54.00	6.82	227	73	Vertical
3	10600.0	41.95	-2.86	54.00	12.05	274	185	Vertical
4	10600.0	52.53	-2.86	74.00	21.47	187	24	Vertical
5	15900.0	52.46	-0.51	74.00	21.54	291	185	Vertical
6	15900.0	41.56	-0.51	54.00	12.44	290	238	Vertical
7	17887.2	47.04	1.52	54.00	6.96	261	24	Vertical

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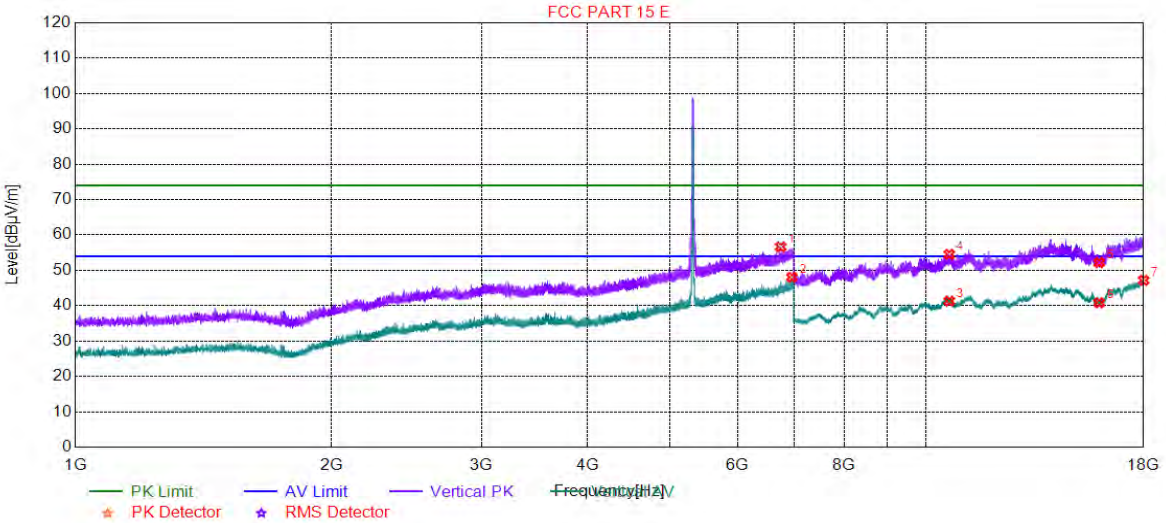
4.9.2.30 11N20_64 ANT 1_Vertical



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	259	122	Vertical
2	6949.59	48.05	21.25	54.00	5.95	190	63	Vertical
3	10640.0	41.29	-2.84	54.00	12.71	223	255	Vertical
4	10640.0	54.52	-2.84	74.00	19.48	257	143	Vertical
5	15960.0	52.18	-0.61	74.00	21.82	187	360	Vertical
6	15960.0	40.82	-0.61	54.00	13.18	248	86	Vertical
7	18000.0	47.17	1.72	54.00	6.83	173	321	Vertical

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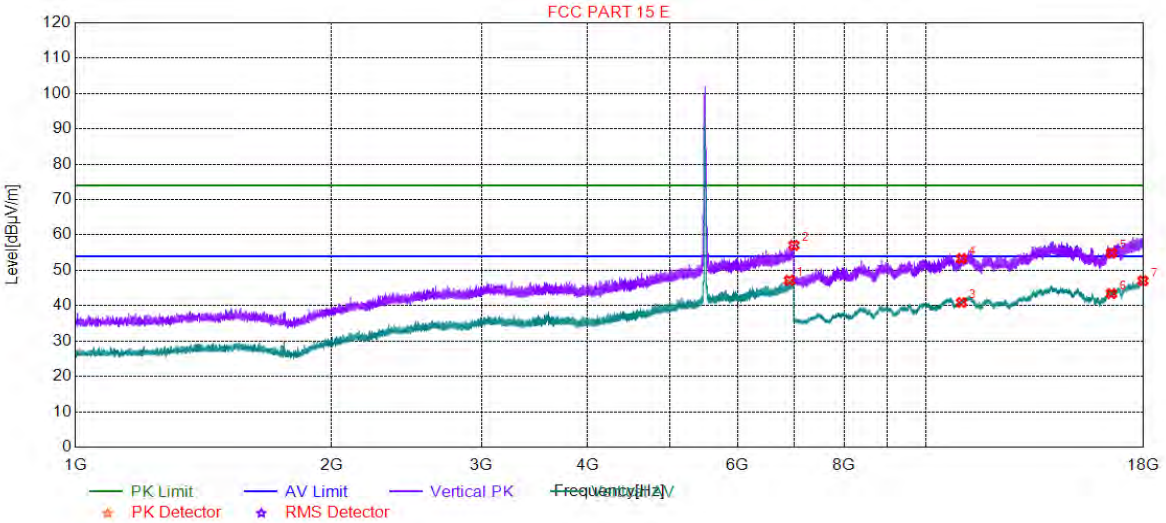
4.9.2.31 11N20_100 ANT 1_Vertical



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	180	6	Vertical
2	6988.89	57.08	21.27	74.00	16.92	262	285	Vertical
3	11000.0	40.91	-2.17	54.00	13.09	290	225	Vertical
4	11000.0	53.33	-2.17	74.00	20.67	189	225	Vertical
5	16500.0	54.91	0.34	74.00	19.09	234	96	Vertical
6	16500.0	43.43	0.34	54.00	10.57	247	175	Vertical
7	17964.7	47.07	1.71	54.00	6.93	181	175	Vertical

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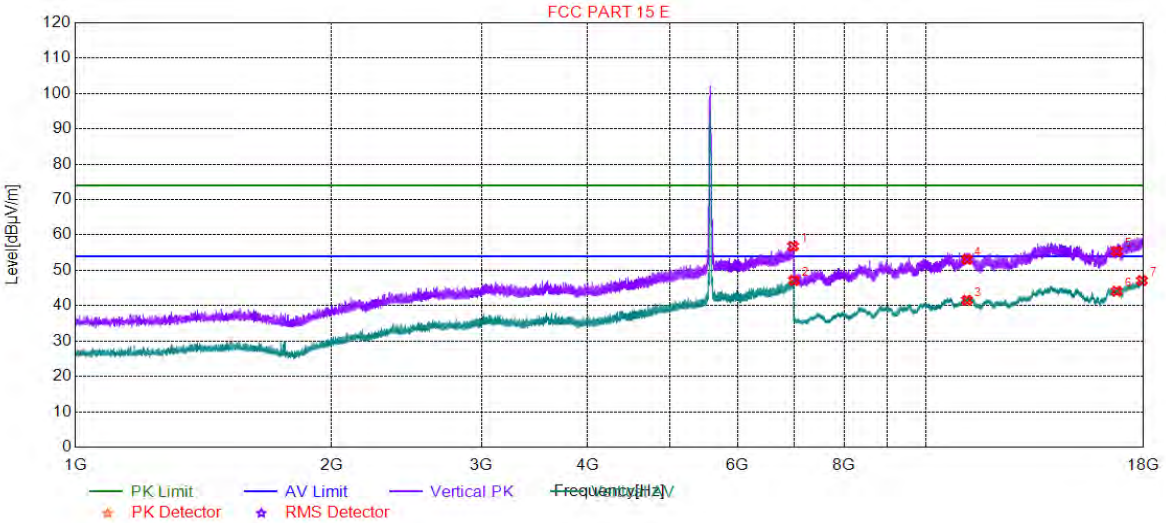
4.9.2.32 11N20_116 ANT 1_Vertical



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	202	173	Vertical
2	6988.59	47.14	21.27	54.00	6.86	172	335	Vertical
3	11160.0	41.55	-2.32	54.00	12.45	173	27	Vertical
4	11160.0	53.10	-2.32	74.00	20.90	219	185	Vertical
5	16740.0	55.39	0.71	74.00	18.61	213	240	Vertical
6	16740.0	44.10	0.71	54.00	9.90	195	79	Vertical
7	17920.7	47.11	1.70	54.00	6.89	270	290	Vertical

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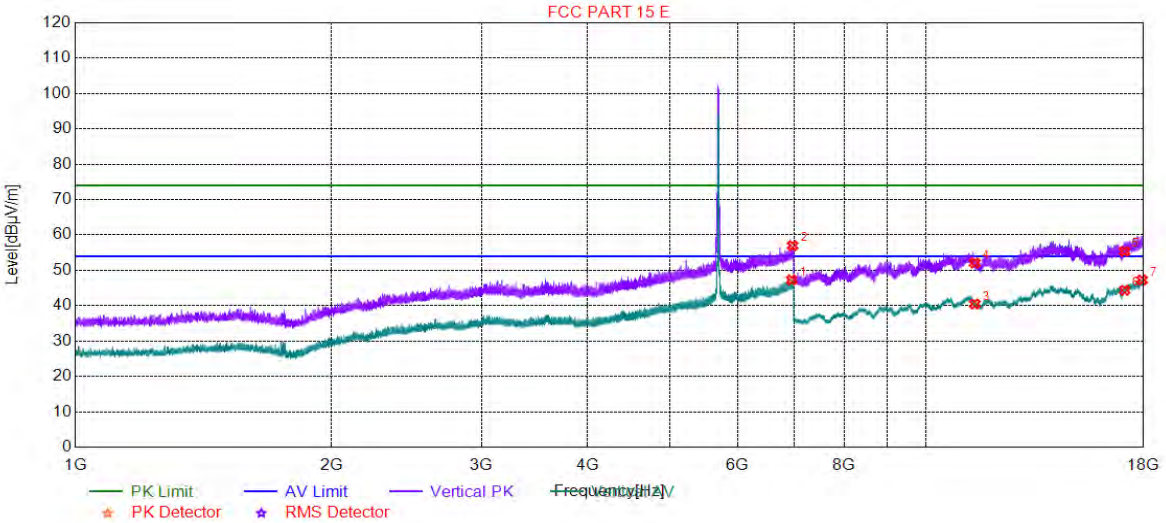
4.9.2.33 11N20_140 ANT 1_Vertical



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	239	82	Vertical
2	6963.69	57.00	21.26	74.00	17.00	245	185	Vertical
3	11400.0	40.47	-2.15	54.00	13.53	284	96	Vertical
4	11400.0	52.09	-2.15	74.00	21.91	278	268	Vertical
5	17100.0	55.39	0.04	74.00	18.61	151	214	Vertical
6	17100.0	44.37	0.04	54.00	9.63	209	268	Vertical
7	17922.9	47.27	1.70	54.00	6.73	244	96	Vertical

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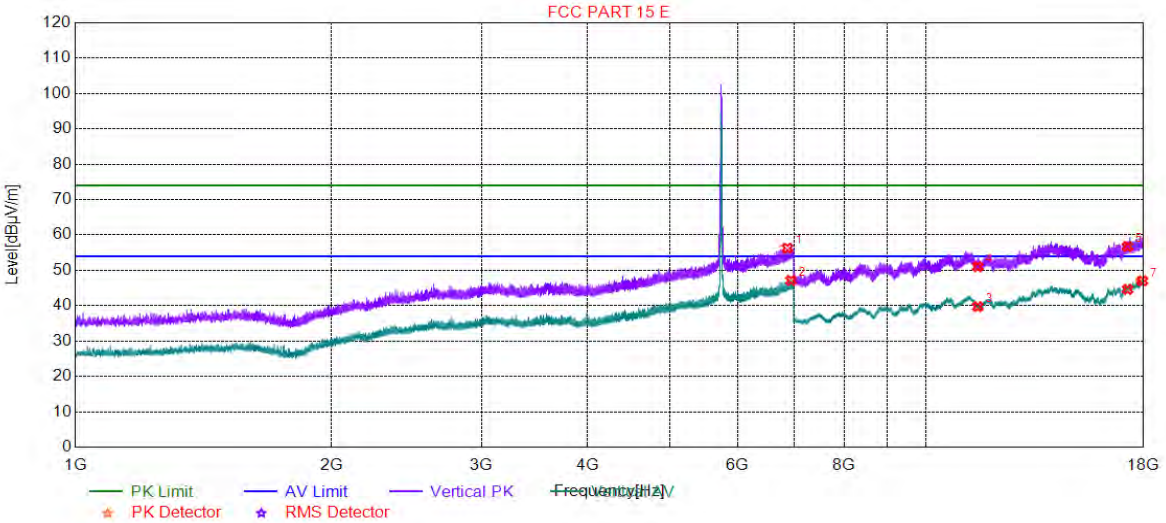
4.9.2.34 11N20_149 ANT 1_Vertical



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	254	281	Vertical
2	6933.09	47.15	21.10	54.00	6.85	217	2	Vertical
3	11490.0	39.72	-2.03	54.00	14.28	270	135	Vertical
4	11490.0	51.03	-2.03	74.00	22.97	245	240	Vertical
5	17235.0	56.71	0.33	74.00	17.29	242	240	Vertical
6	17235.0	44.61	0.33	54.00	9.39	299	135	Vertical
7	17944.4	47.03	1.70	54.00	6.97	223	350	Vertical

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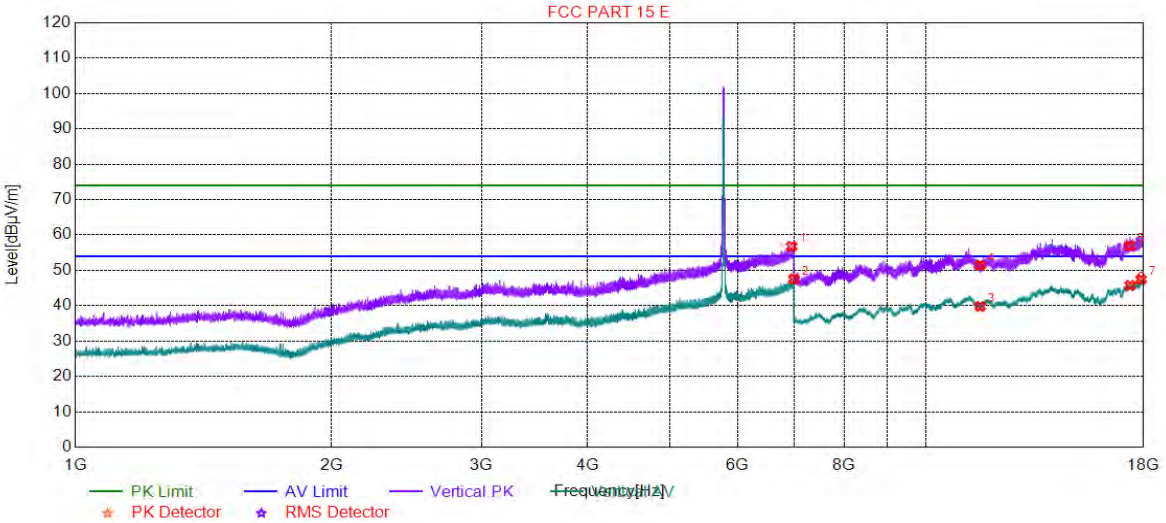
4.9.2.35 11N20_157 ANT 1_Vertical



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	188	209	Vertical
2	6986.79	47.55	21.27	54.00	6.45	228	102	Vertical
3	11570.0	39.80	-2.39	54.00	14.20	168	285	Vertical
4	11570.0	51.46	-2.39	74.00	22.54	185	232	Vertical
5	17355.0	56.91	1.06	74.00	17.09	285	339	Vertical
6	17355.0	45.72	1.06	54.00	8.28	252	79	Vertical
7	17875.6	47.42	1.37	54.00	6.58	260	285	Vertical

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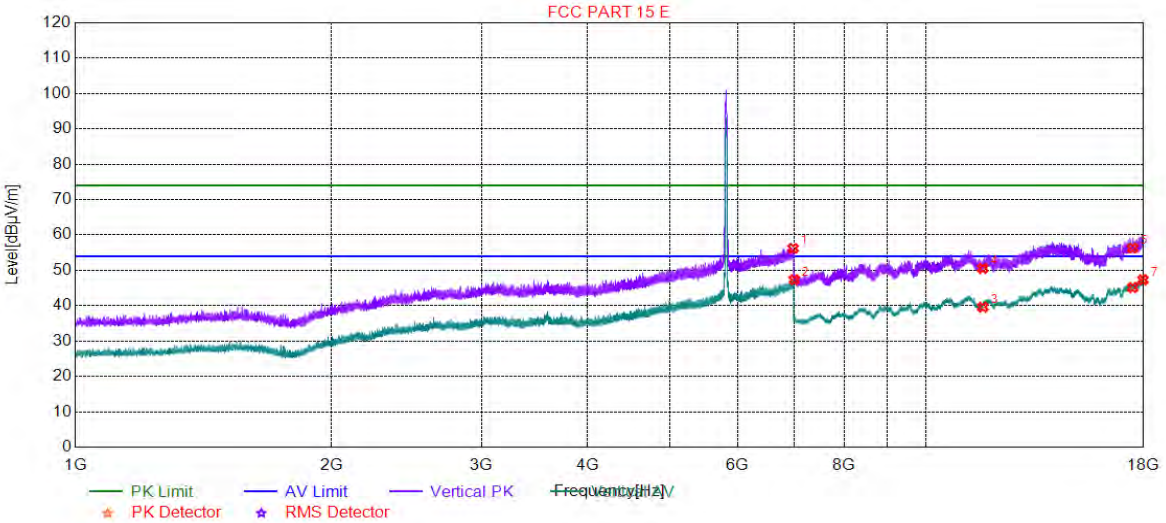
4.9.2.36 11N20_161 ANT 1_Vertical



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	152	344	Vertical
2	6993.99	47.32	21.27	54.00	6.68	295	168	Vertical
3	11650.0	39.60	-2.49	54.00	14.40	185	340	Vertical
4	11650.0	50.55	-2.49	74.00	23.45	260	82	Vertical
5	17475.0	56.28	1.76	74.00	17.72	280	232	Vertical
6	17475.0	45.14	1.76	54.00	8.86	171	232	Vertical
7	17965.3	47.31	1.71	54.00	6.69	283	232	Vertical

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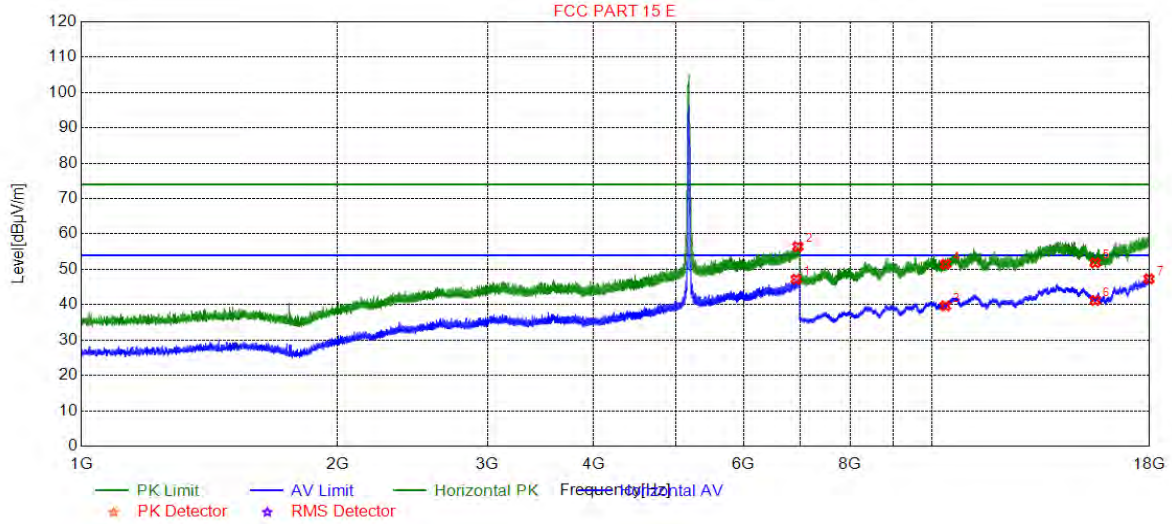
4.9.2.37 11N20_36 ANT 1_Horizontal



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	155	342	Horizontal
2	6949.29	56.43	21.25	74.00	17.57	241	80	Horizontal
3	10360.0	39.65	-3.63	54.00	14.35	206	55	Horizontal
4	10360.0	51.45	-3.63	74.00	22.55	178	160	Horizontal
5	15540.0	51.84	0.46	74.00	22.16	109	160	Horizontal
6	15540.0	41.20	0.46	54.00	12.80	102	110	Horizontal
7	17967.5	47.29	1.71	54.00	6.71	210	338	Horizontal

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