

**4.8.2.3 11A20\_48 ANT 1**



Date: 7, JUL 2020 03:58:14

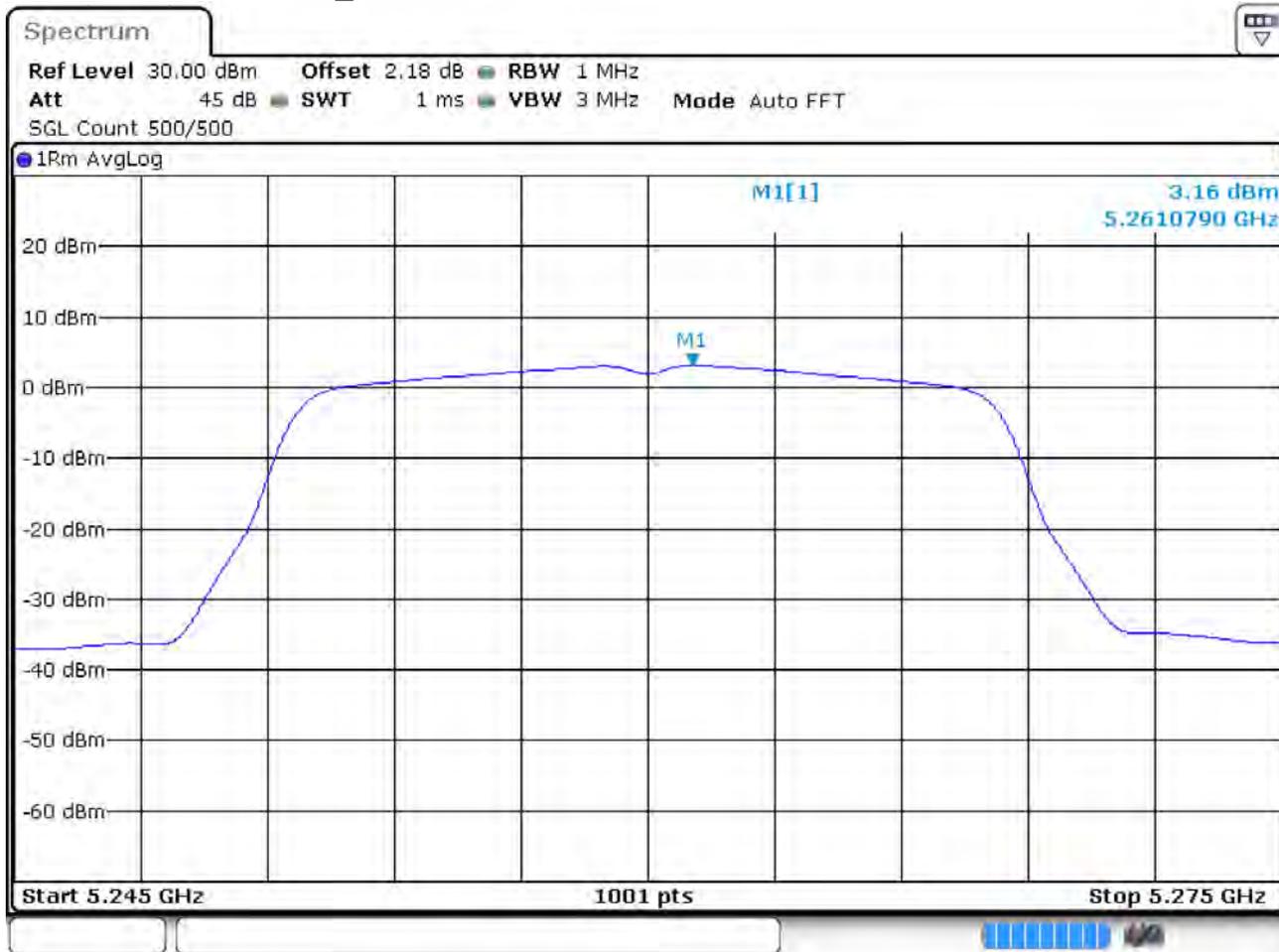


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**4.8.2.4 11A20\_52 ANT 1**

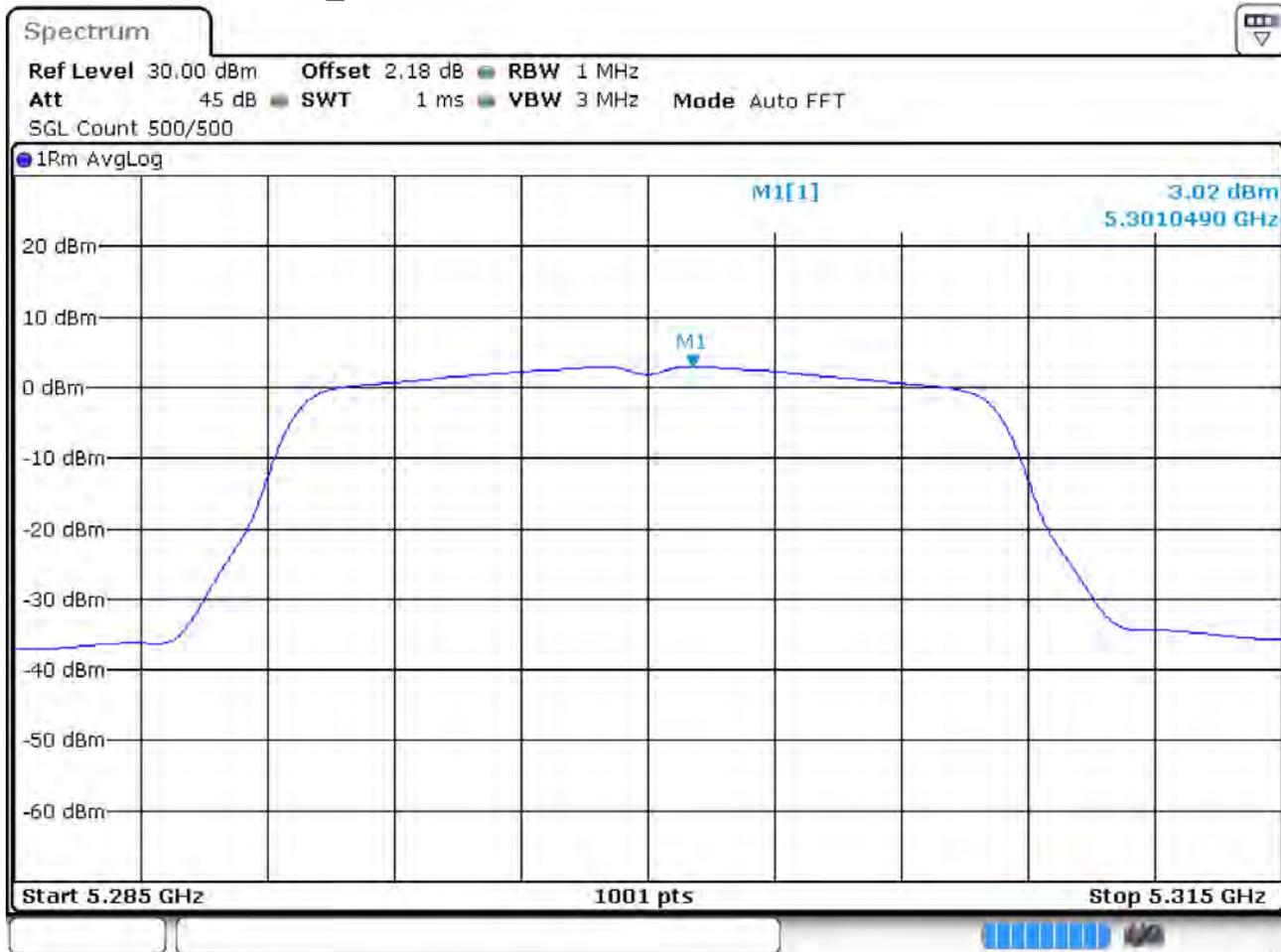


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**4.8.2.5 11A20\_60 ANT 1**



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**4.8.2.6 11A20\_64 ANT 1**



Date: 7, JUL 2020 04:02:36



**4.8.2.7 11A20\_100 ANT 1**



Date: 7, JUL 2020 04:04:19

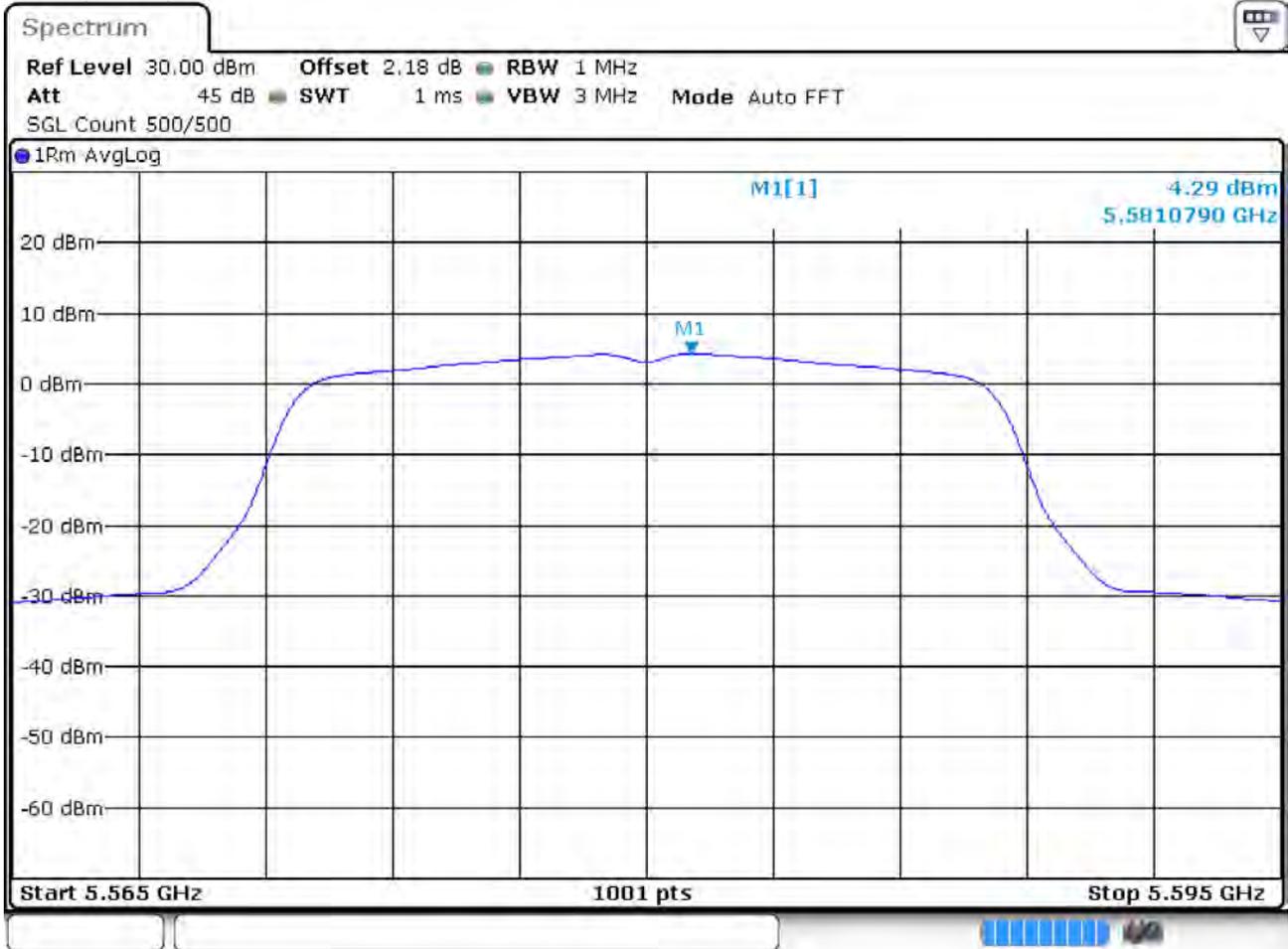


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**4.8.2.8 11A20\_116 ANT 1**



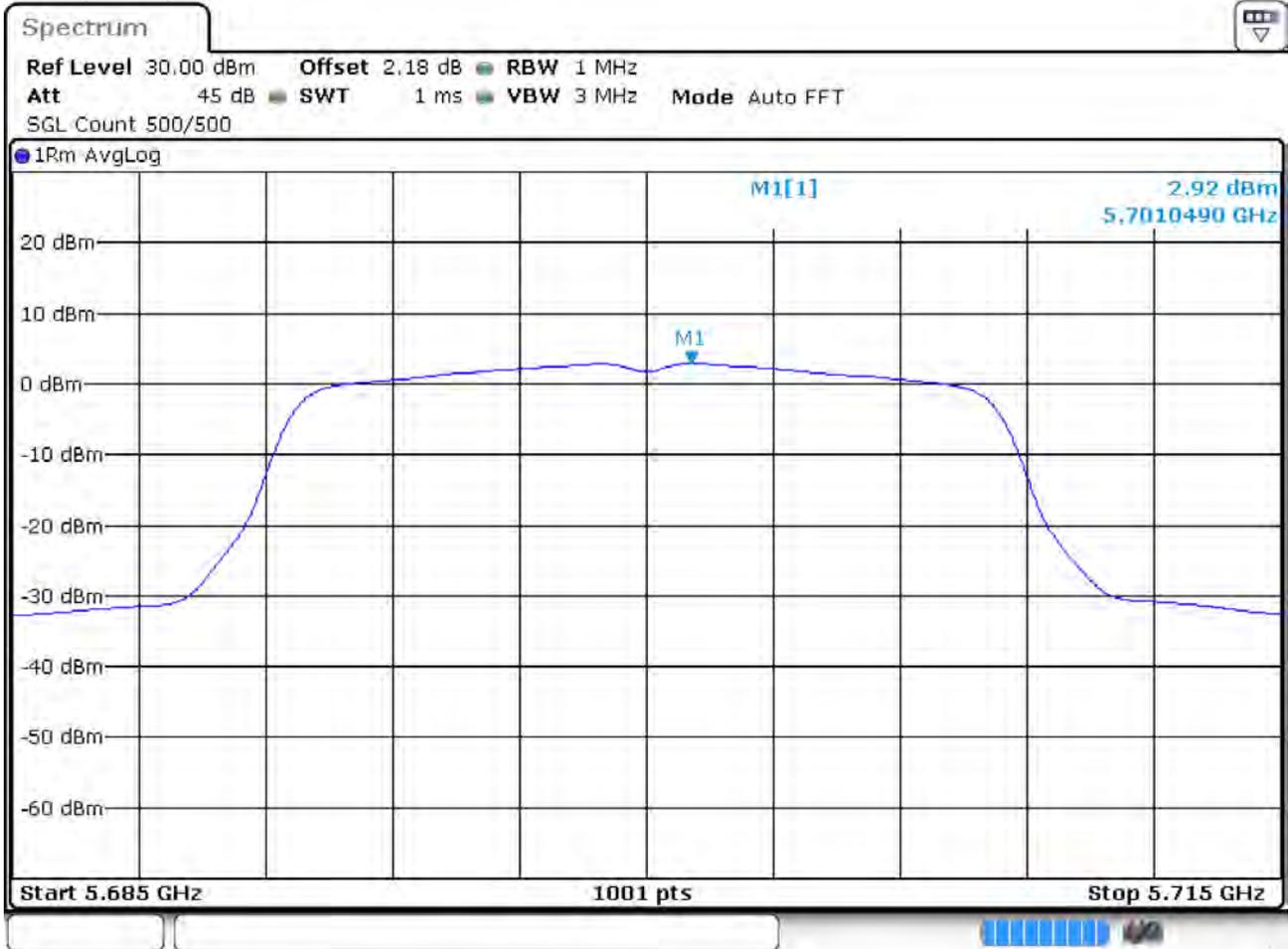
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**4.8.2.9 11A20\_140 ANT 1**

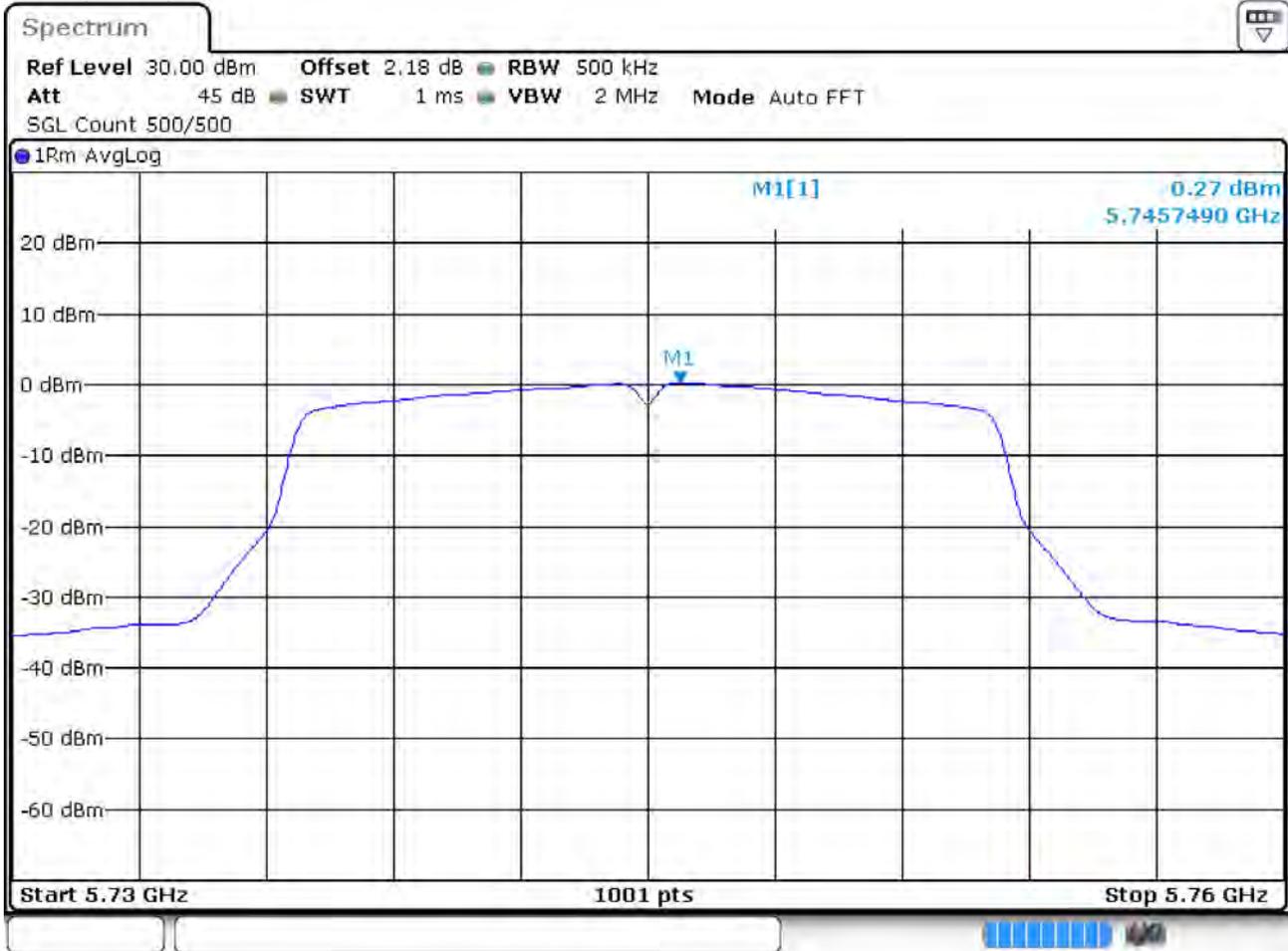


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**4.8.2.10 11A20\_149 ANT 1**



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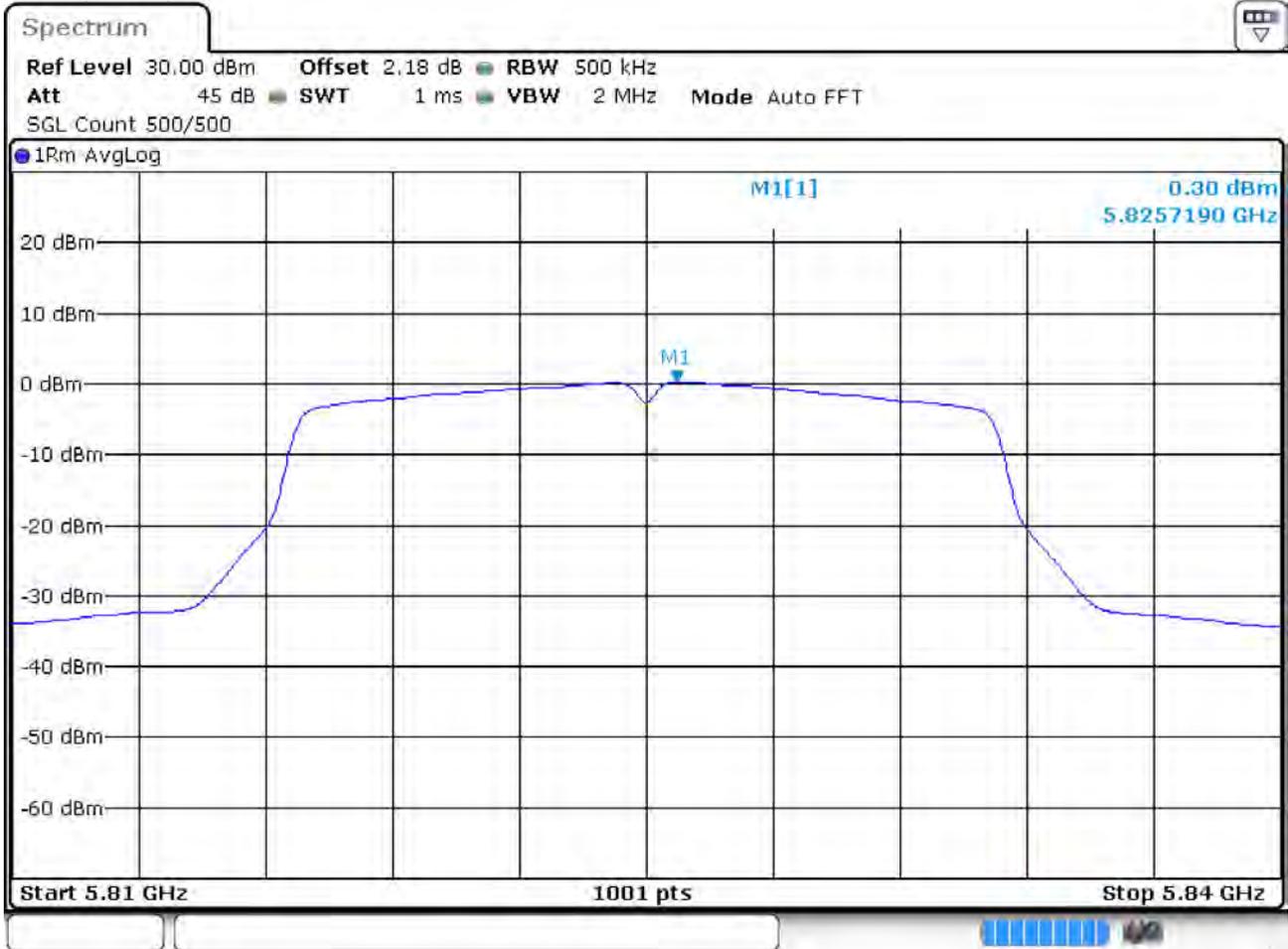


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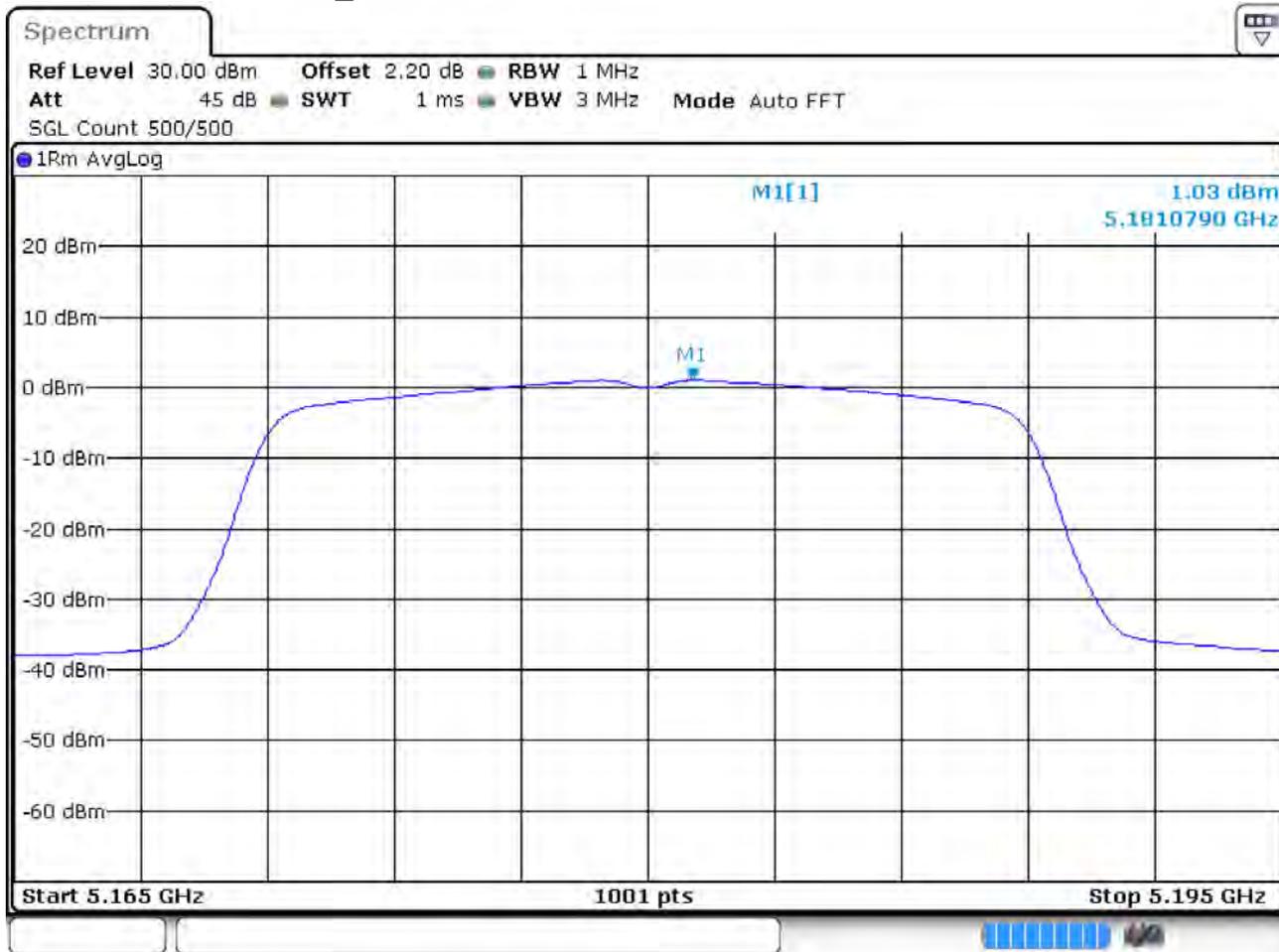
**4.8.2.11 11A20\_165 ANT 1**



Date: 7 JUL 2020 04:12:48



**4.8.2.12 11N20\_36 ANT 1**



Date: 7, JUL 2020 04:14:34

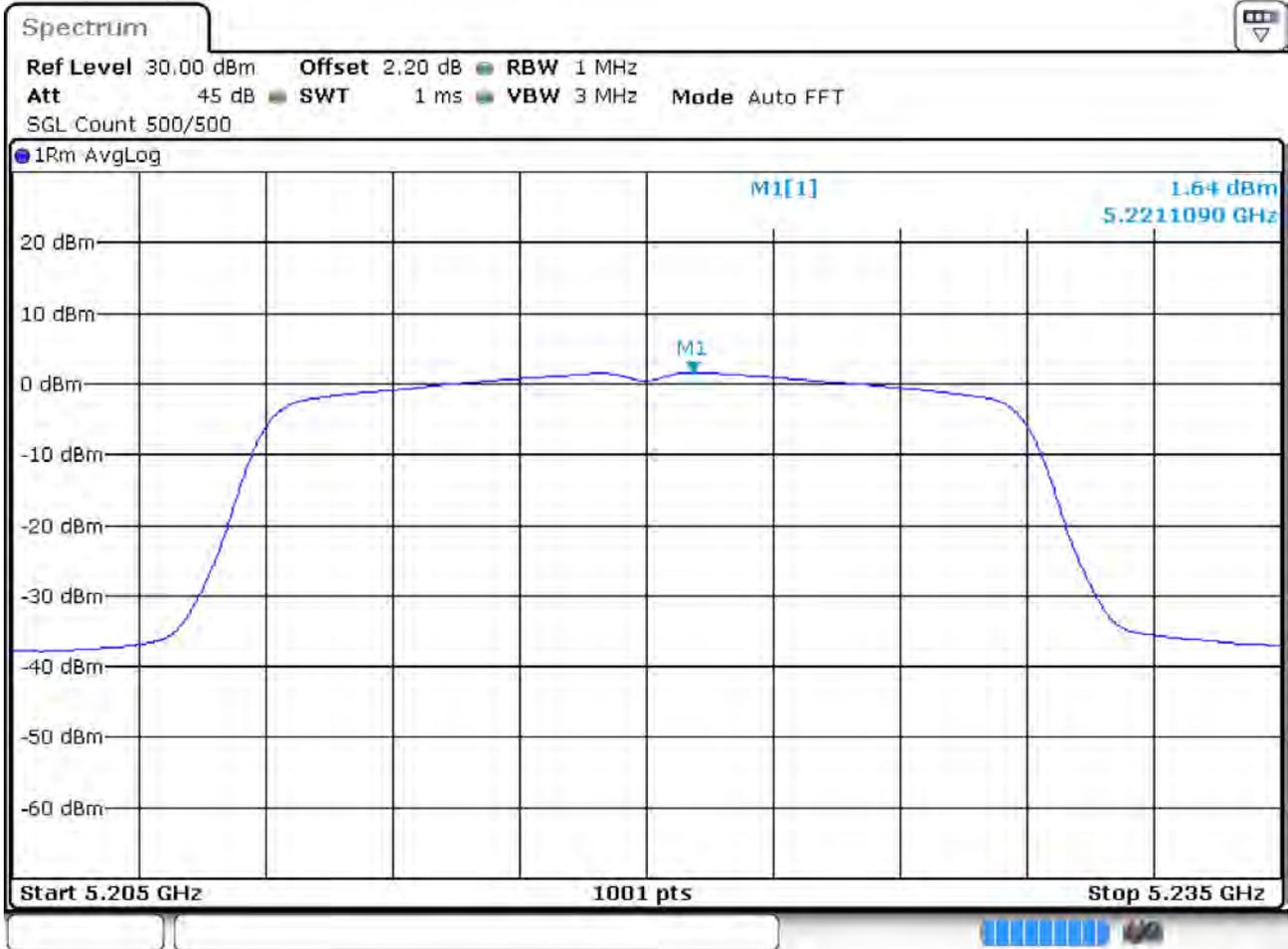


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**4.8.2.13 11N20\_44 ANT 1**



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**4.8.2.14 11N20\_48 ANT 1**



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**4.8.2.15 11N20\_52 ANT 1**



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**4.8.2.16 11N20\_60 ANT 1**



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**4.8.2.17 11N20\_64 ANT 1**



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**4.8.2.18 11N20\_100 ANT 1**

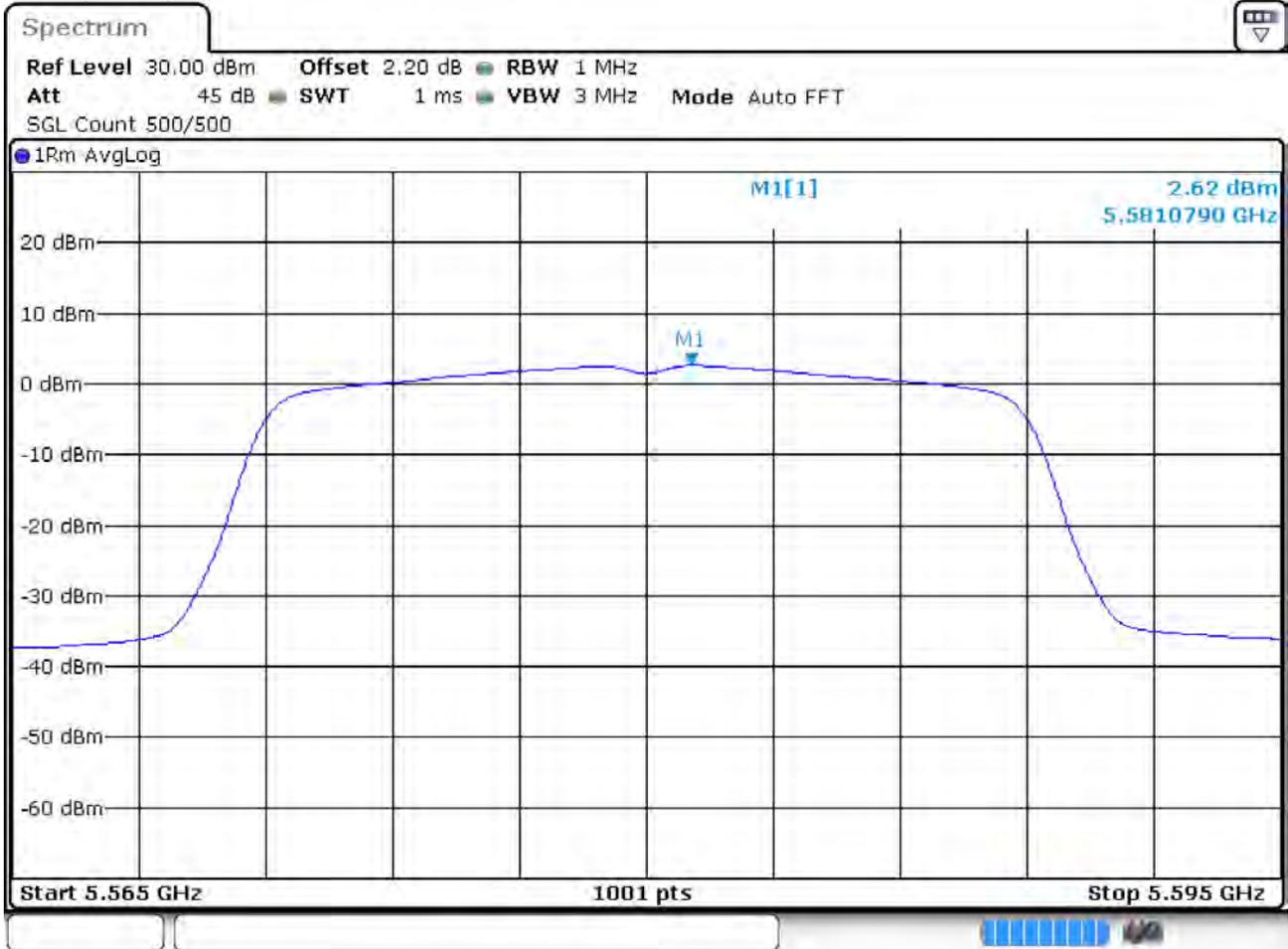


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**4.8.2.19 11N20\_116 ANT 1**



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**4.8.2.20 11N20\_140 ANT 1**



Date: 7, JUL 2020 04:32:08



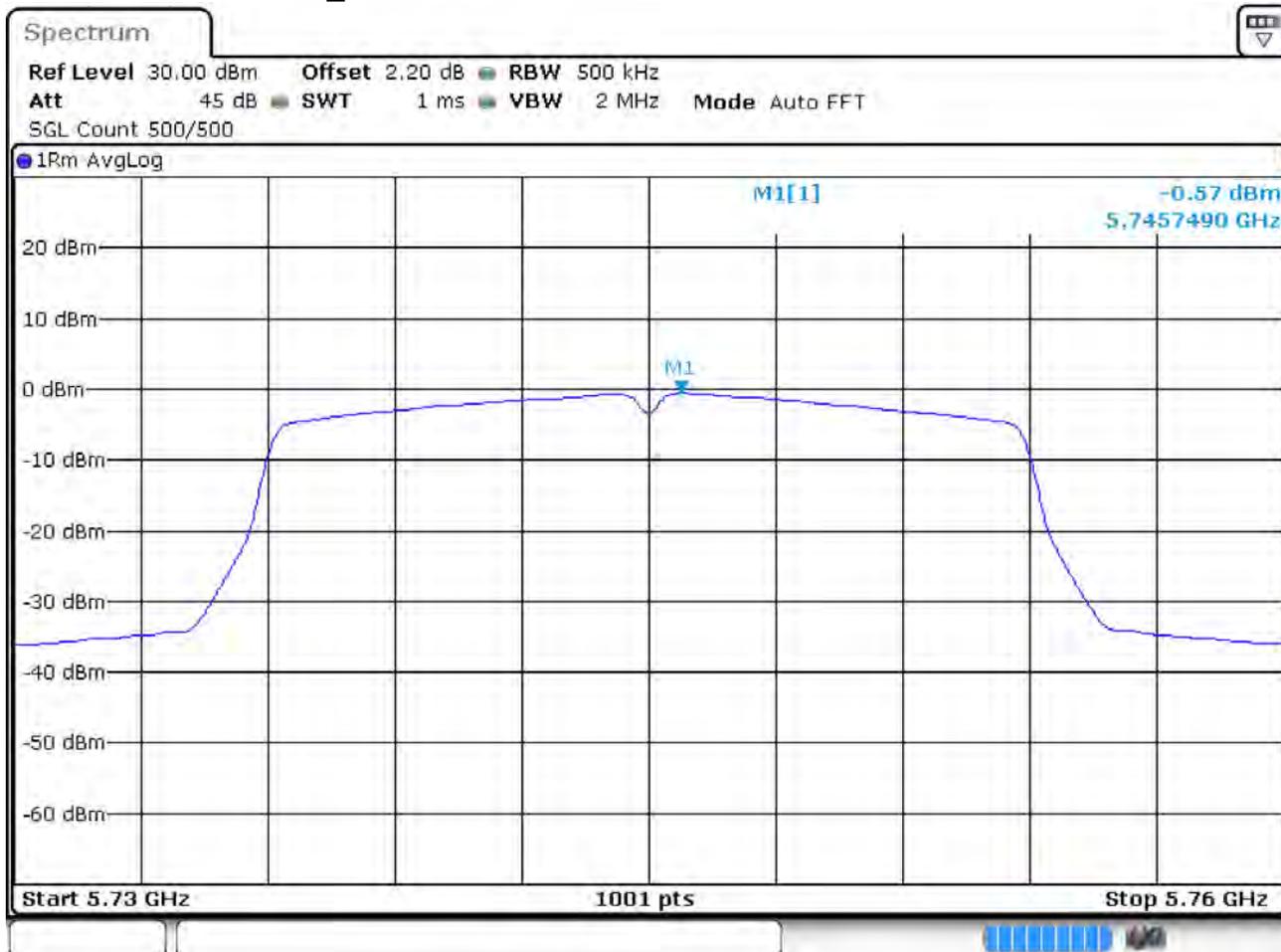
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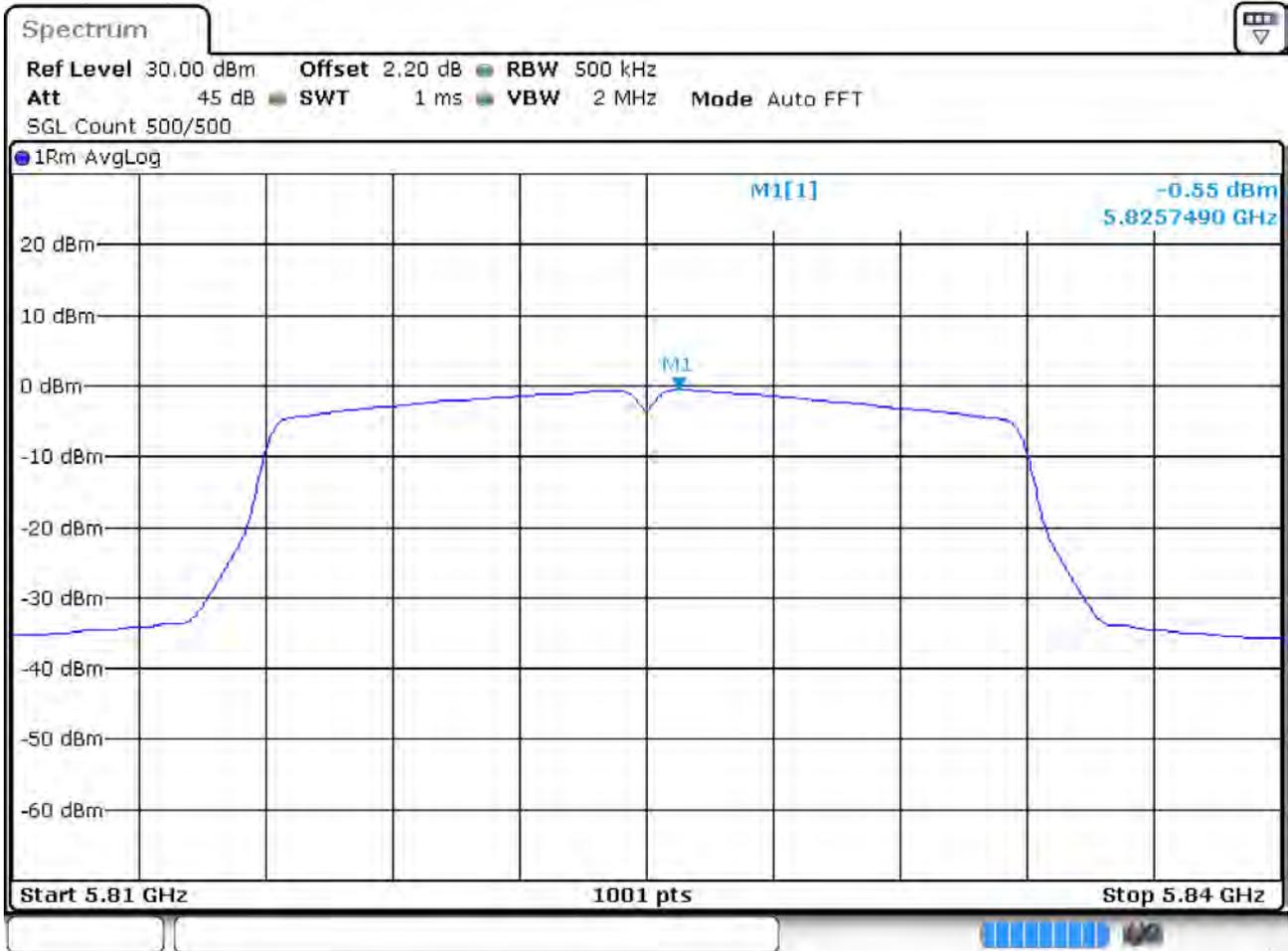
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**4.8.2.22 11N20\_165 ANT 1**



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4.8.2.23

11N40\_38 ANT 1



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**4.8.2.24 11N40\_46 ANT 1**



Date: 7, JUL 2020 04:40:21

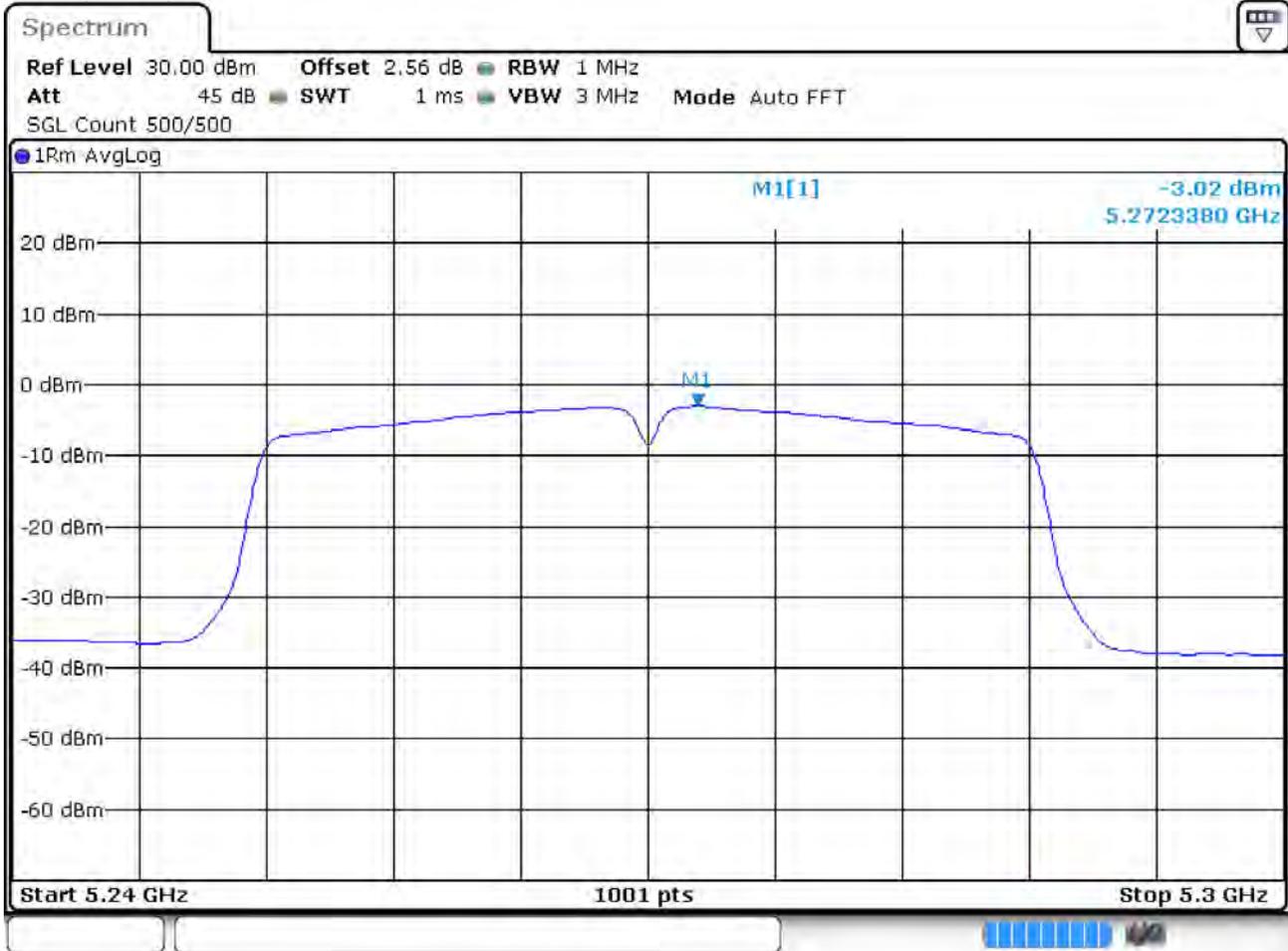


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**4.8.2.25 11N40\_54 ANT 1**



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**4.8.2.26 11N40\_62 ANT 1**



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**4.8.2.27 11N40\_102 ANT 1**

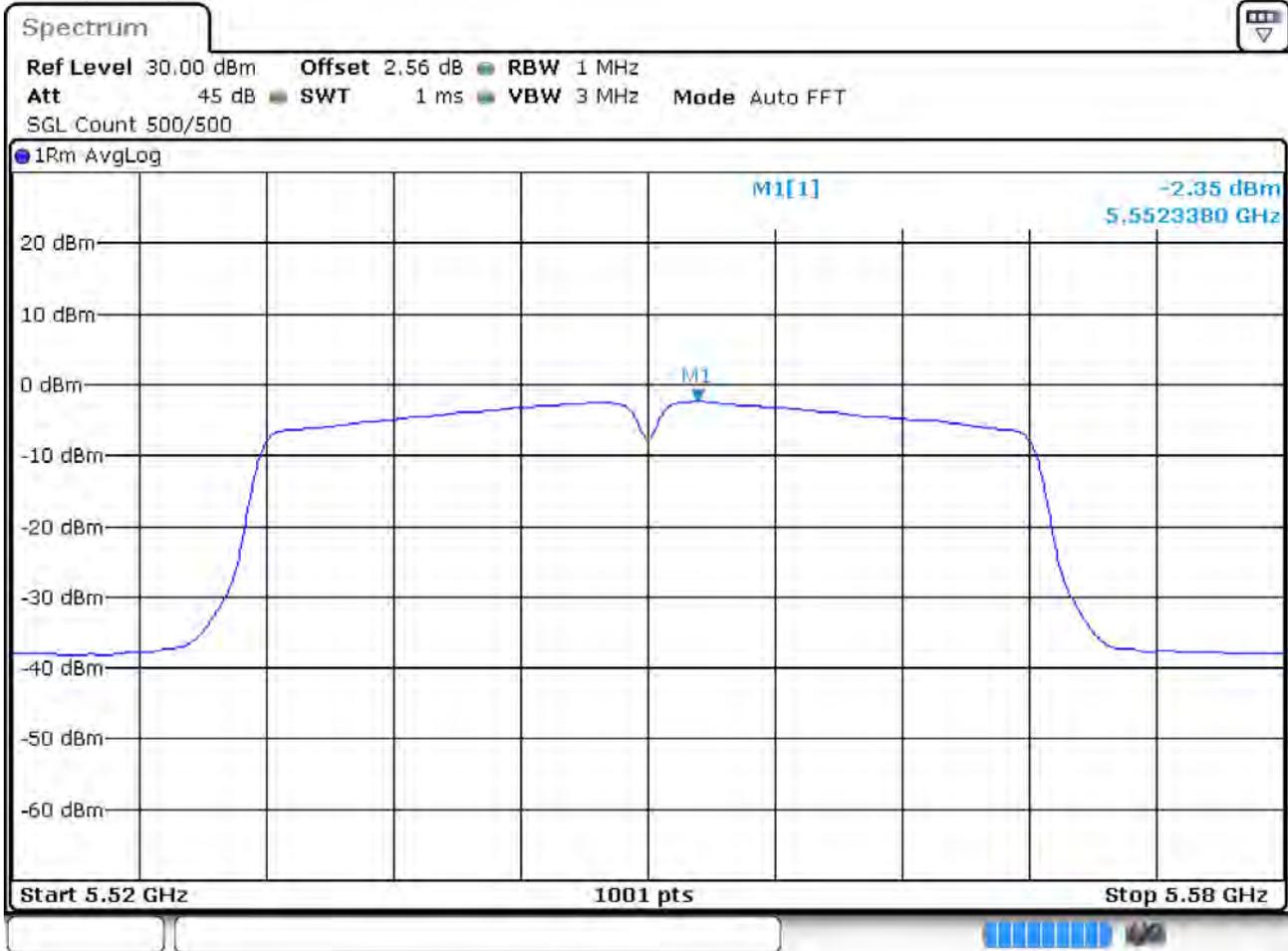


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**4.8.2.28 11N40\_110 ANT 1**



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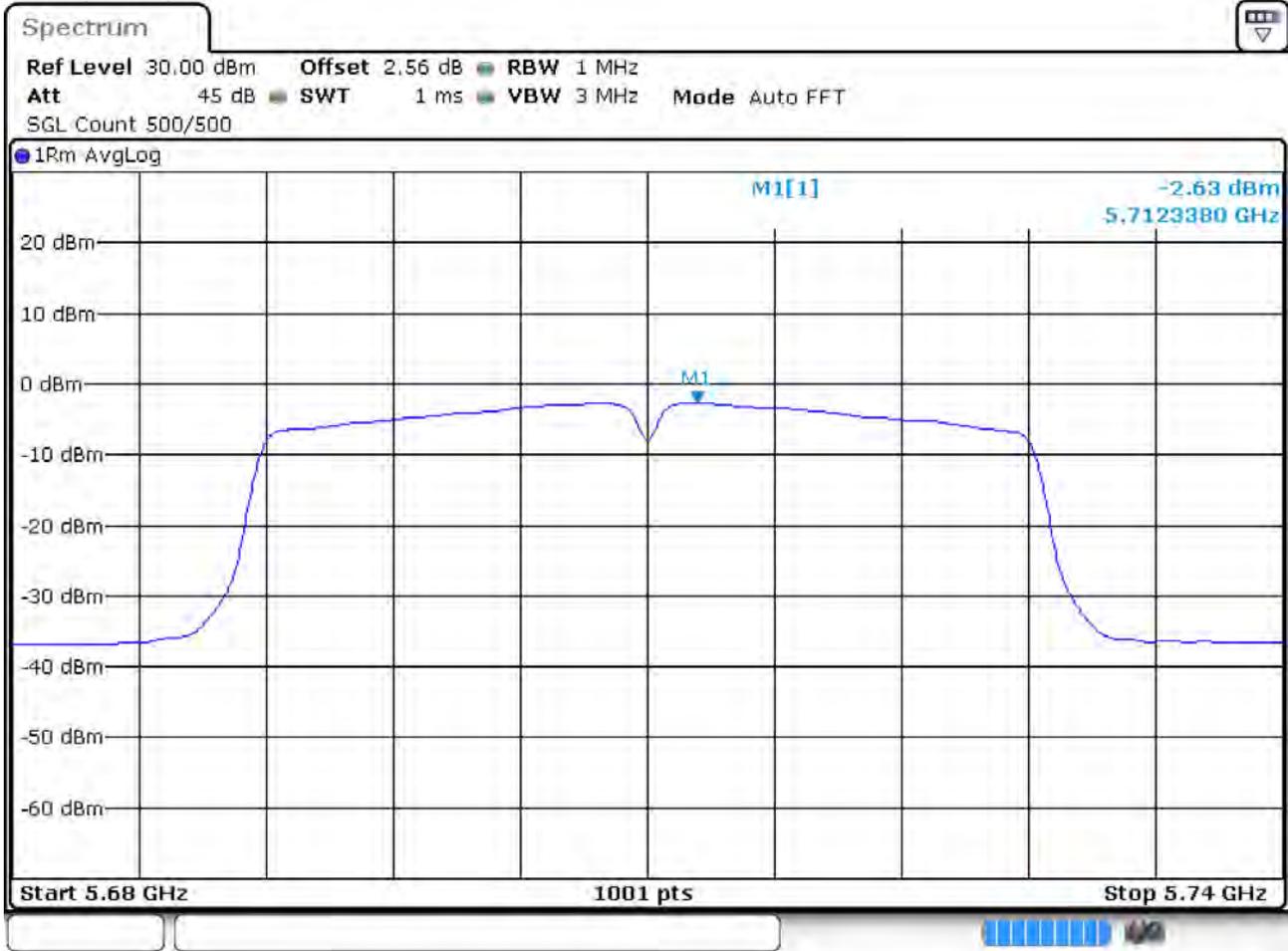


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**4.8.2.29 11N40\_142 ANT 1**



Date: 7.JUL.2020 04:50:12

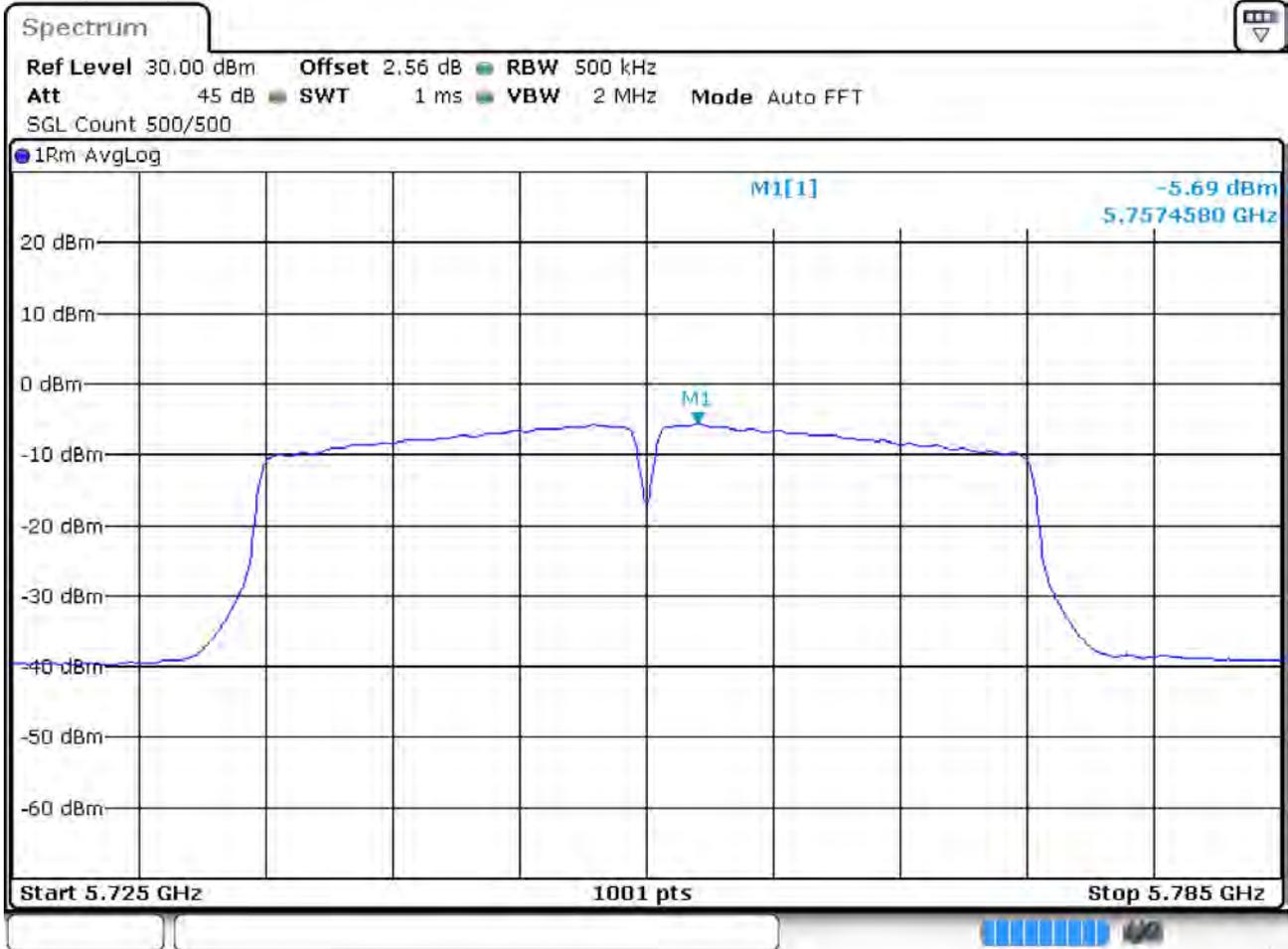


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**4.8.2.30 11N40\_151 ANT 1**



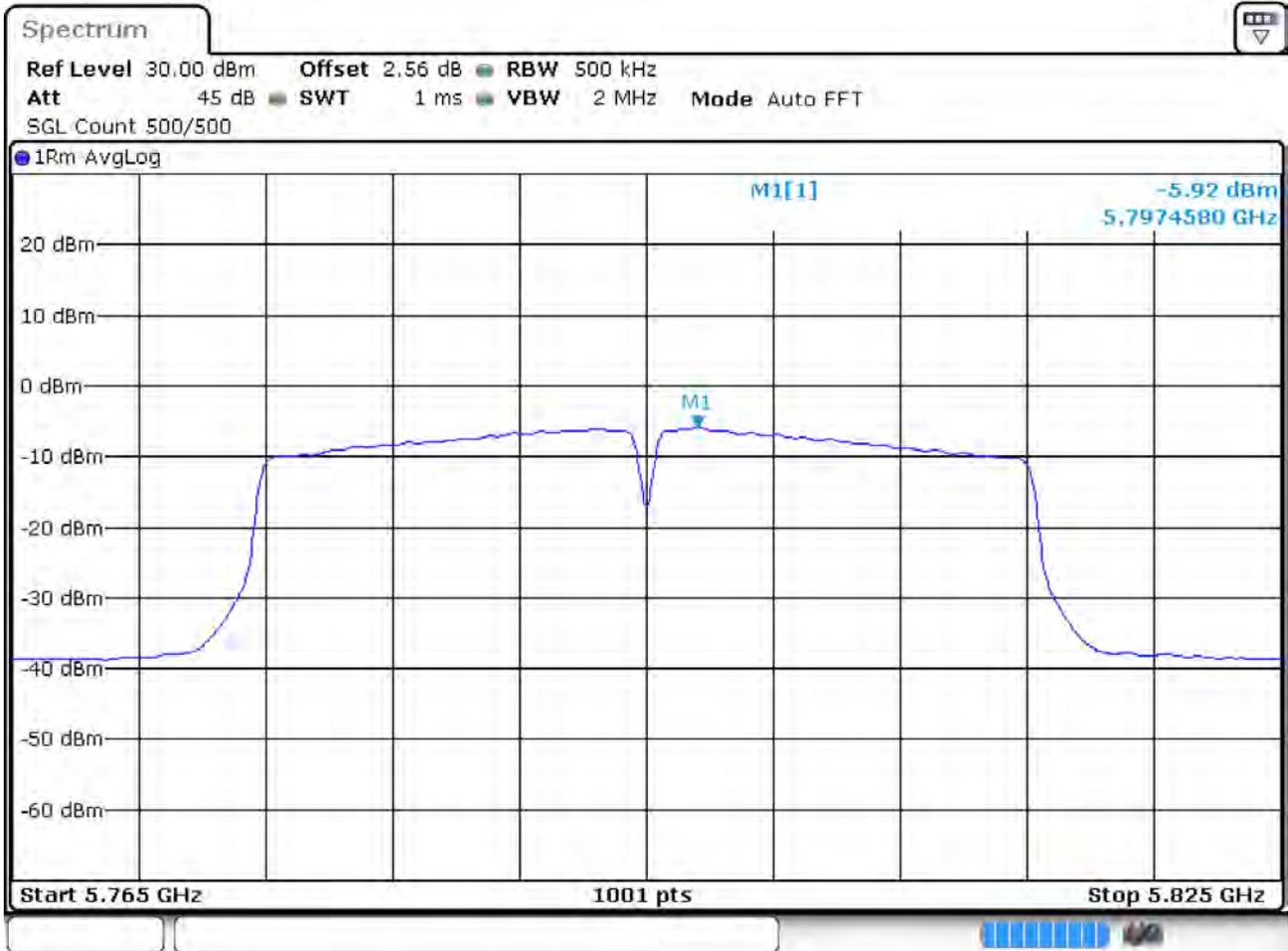
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**4.8.2.31 11N40\_159 ANT 1**



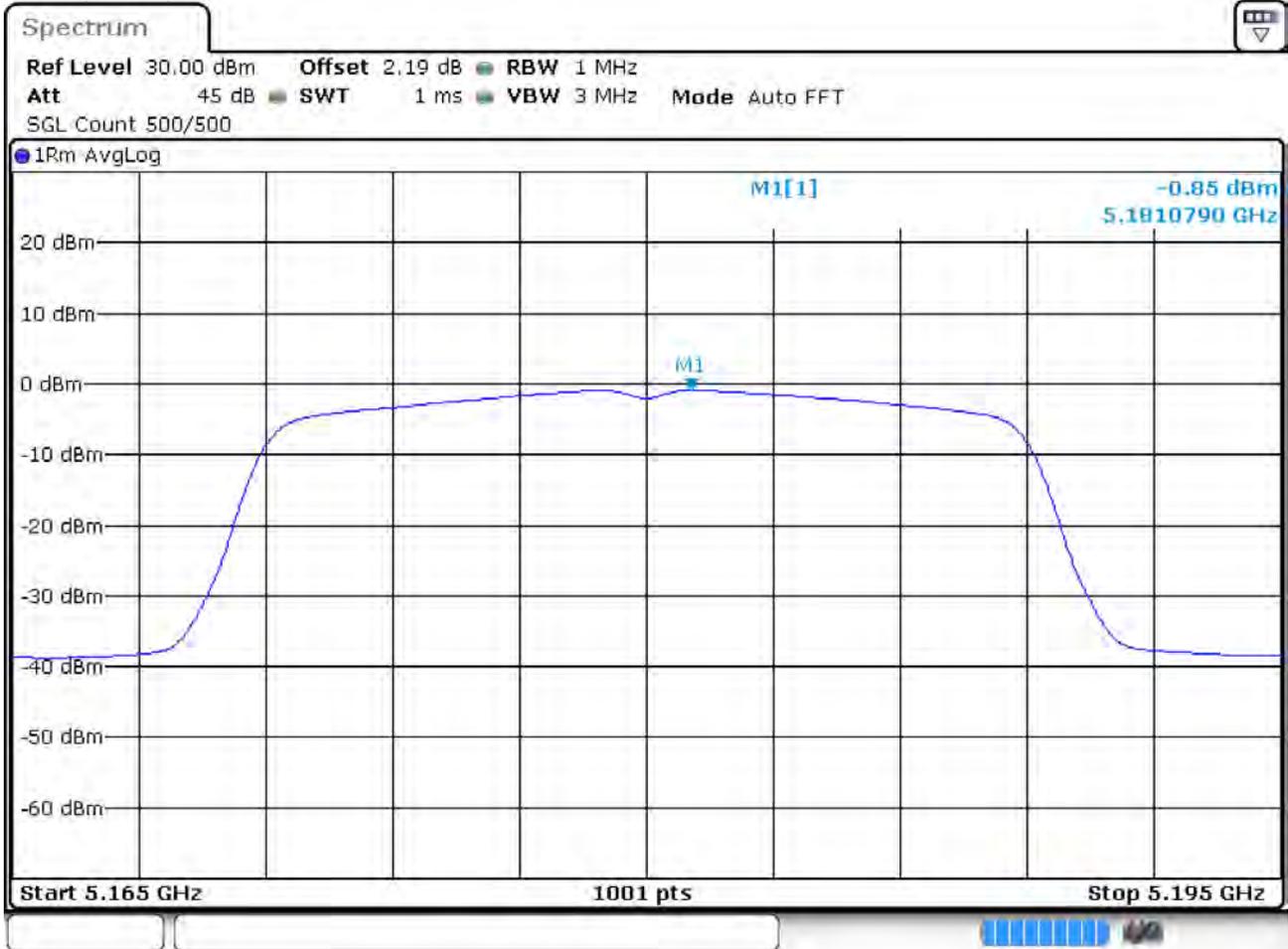
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**4.8.2.32 11AC20\_36 ANT 1**



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**4.8.2.33 11AC20\_44 ANT 1**

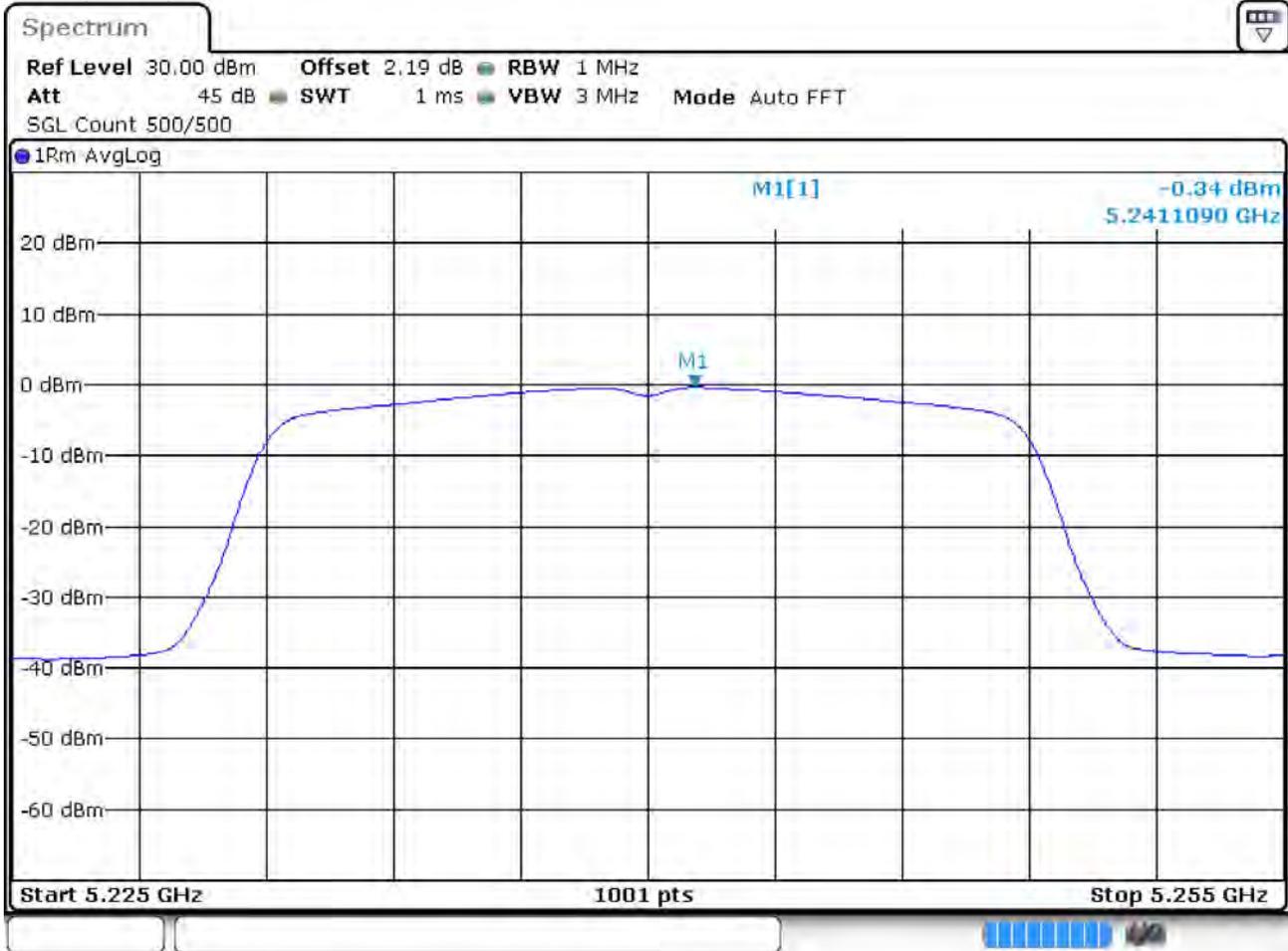


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**4.8.2.34 11AC20\_48 ANT 1**



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**4.8.2.35 11AC20\_52 ANT 1**



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**4.8.2.36 11AC20\_60 ANT 1**



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**4.8.2.37 11AC20\_64 ANT 1**



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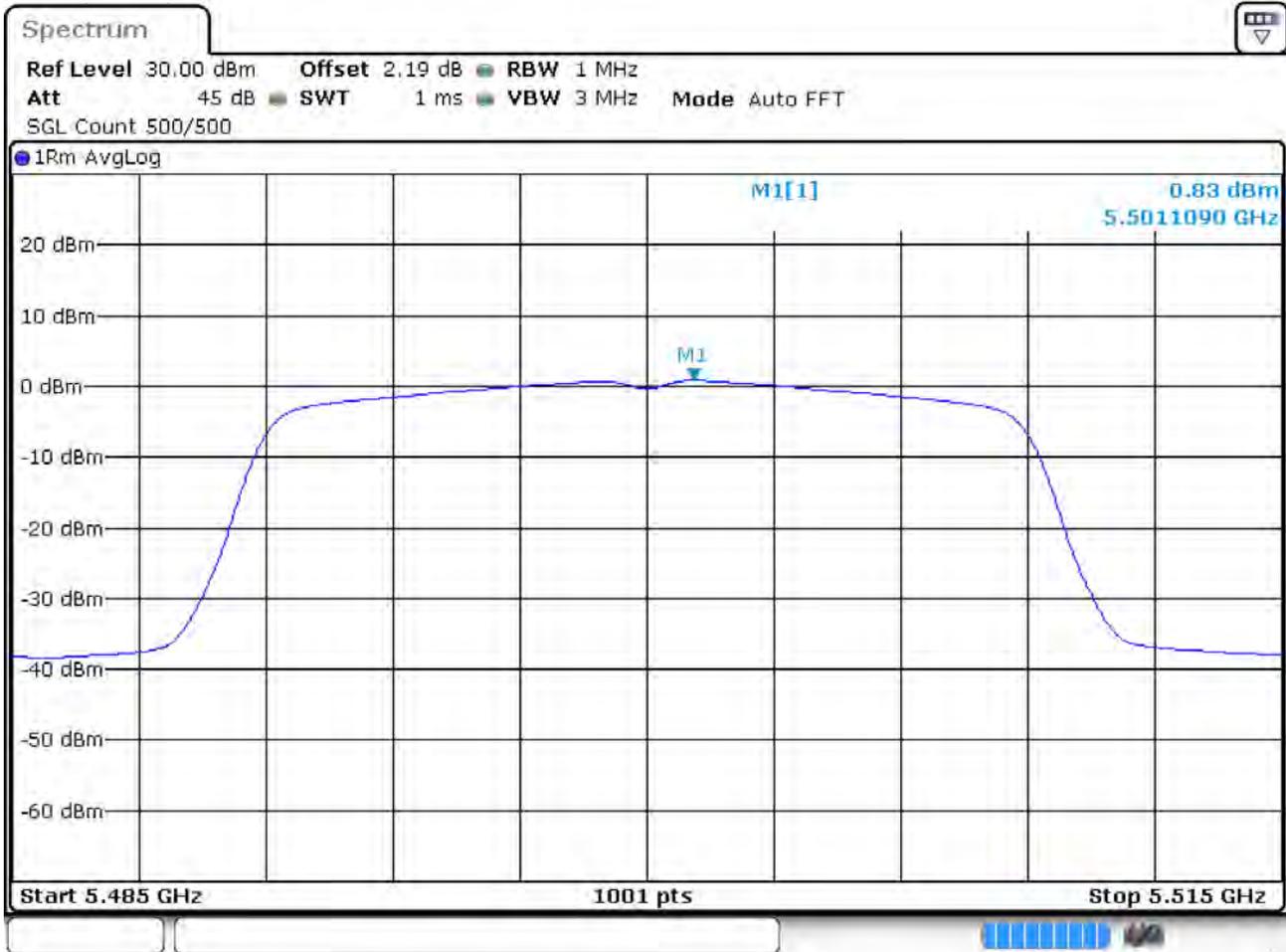


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**4.8.2.38 11AC20\_100 ANT 1**



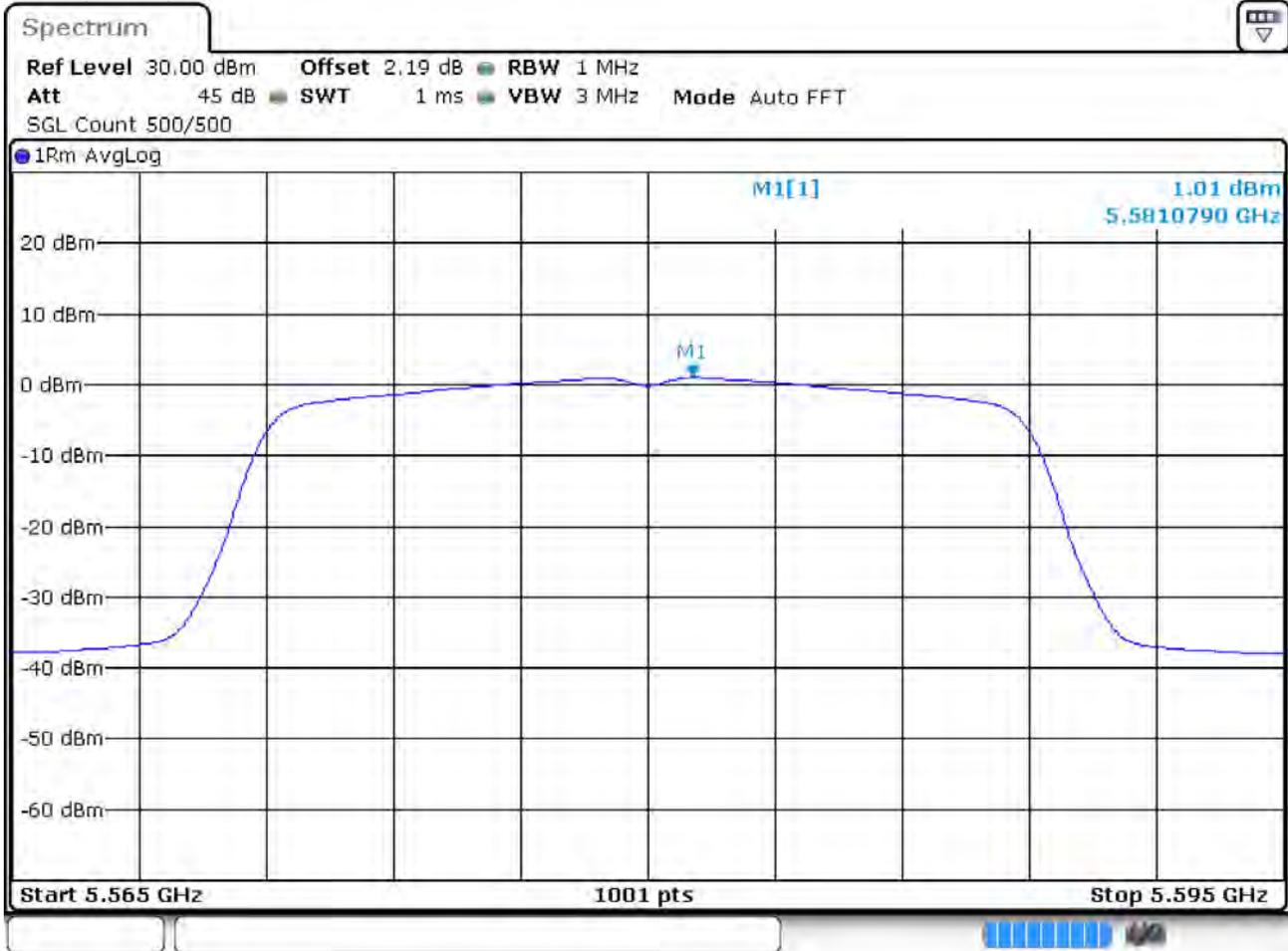
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**4.8.2.39 11AC20\_116 ANT 1**



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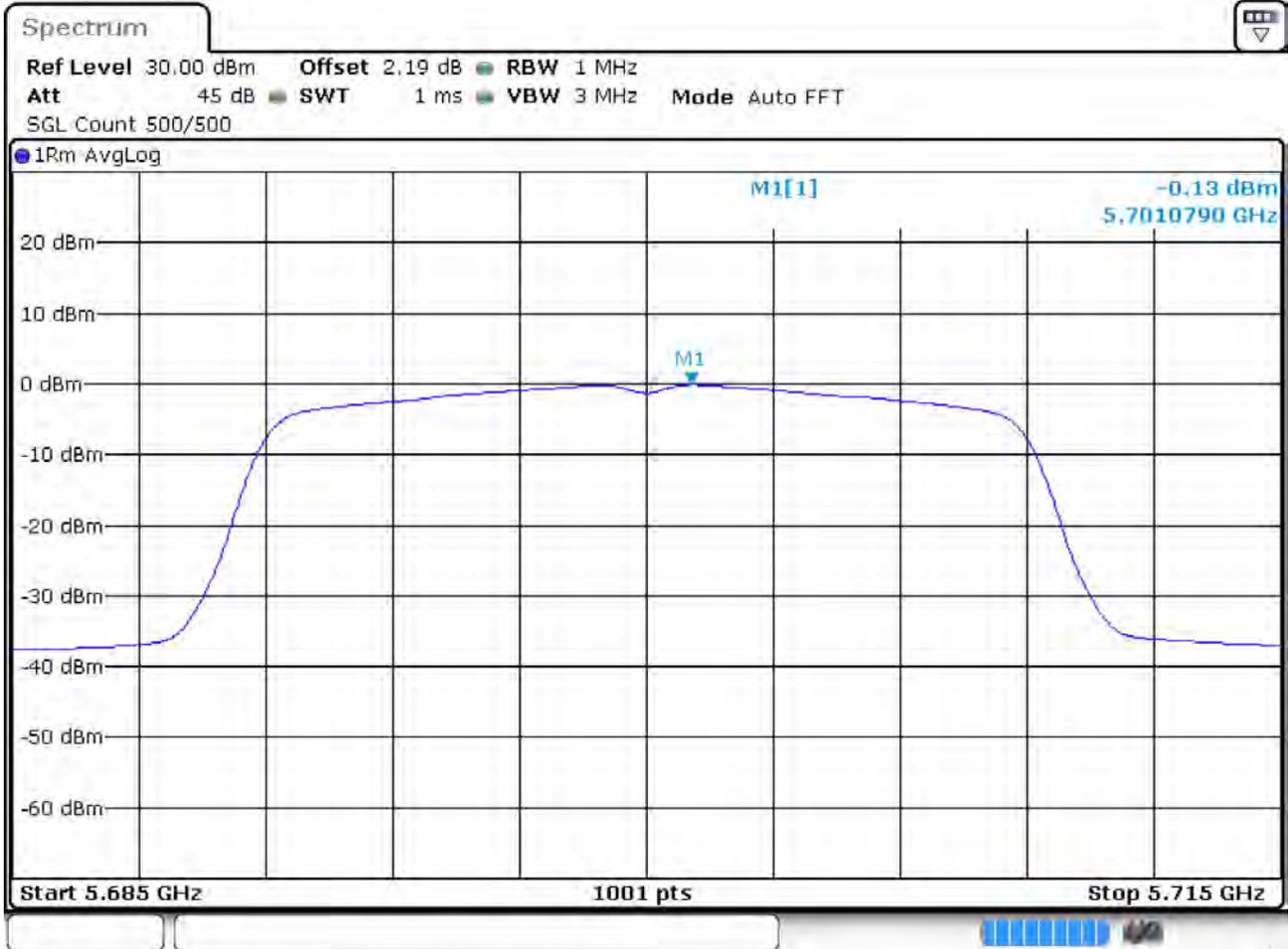


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**4.8.2.40 11AC20\_140 ANT 1**



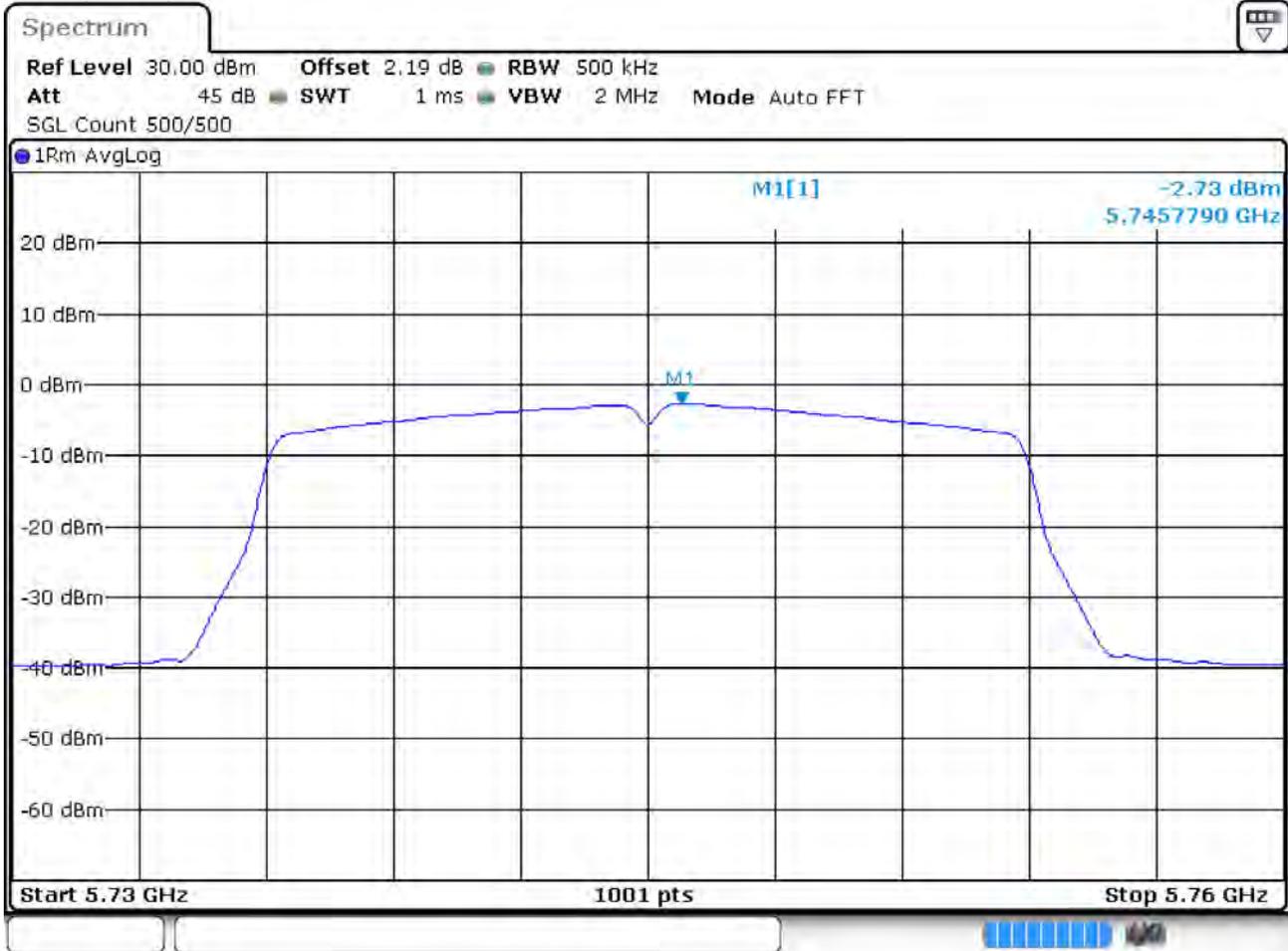
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**4.8.2.41 11AC20\_149 ANT 1**



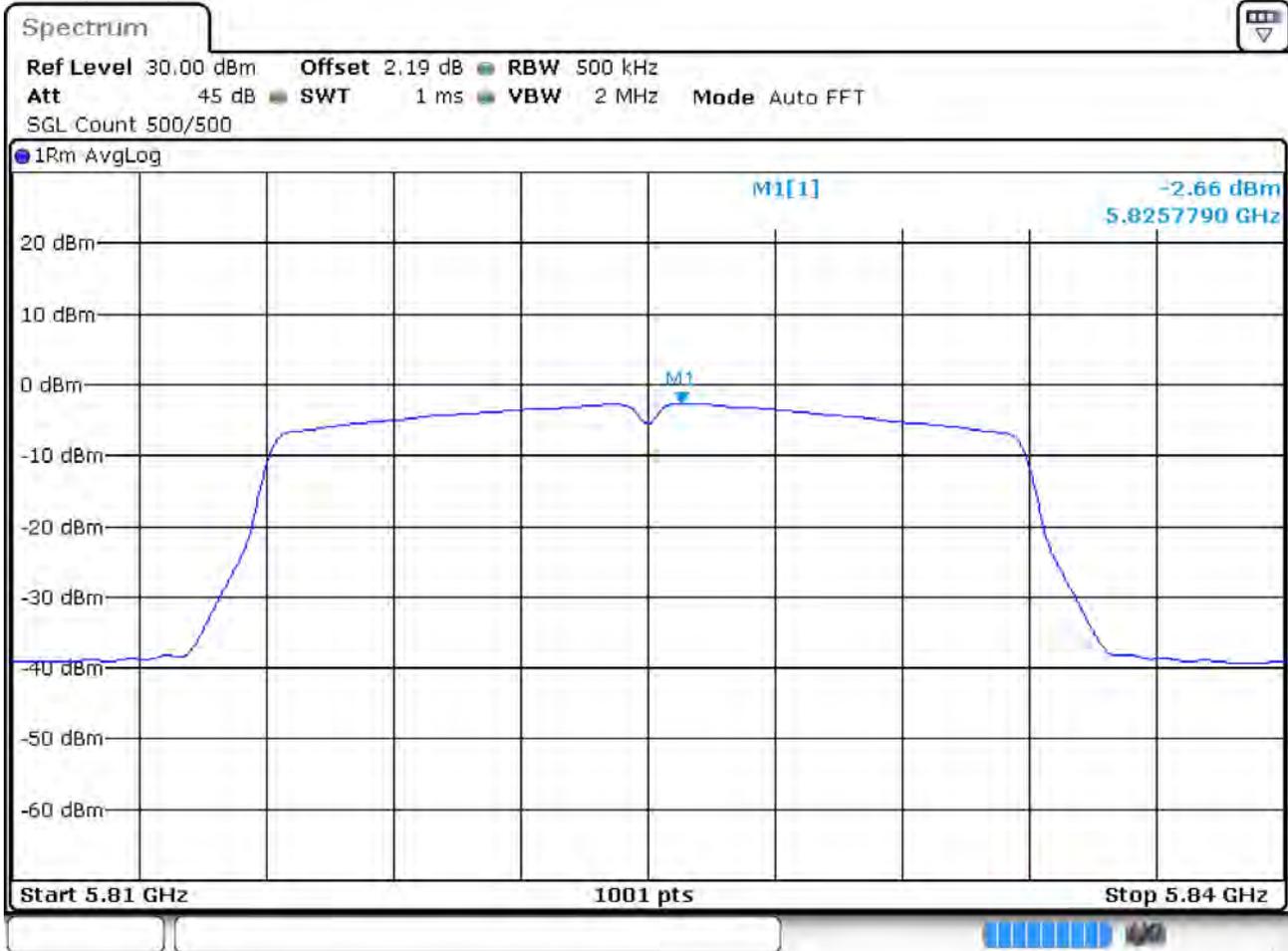
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**4.8.2.42 11AC20\_165 ANT 1**

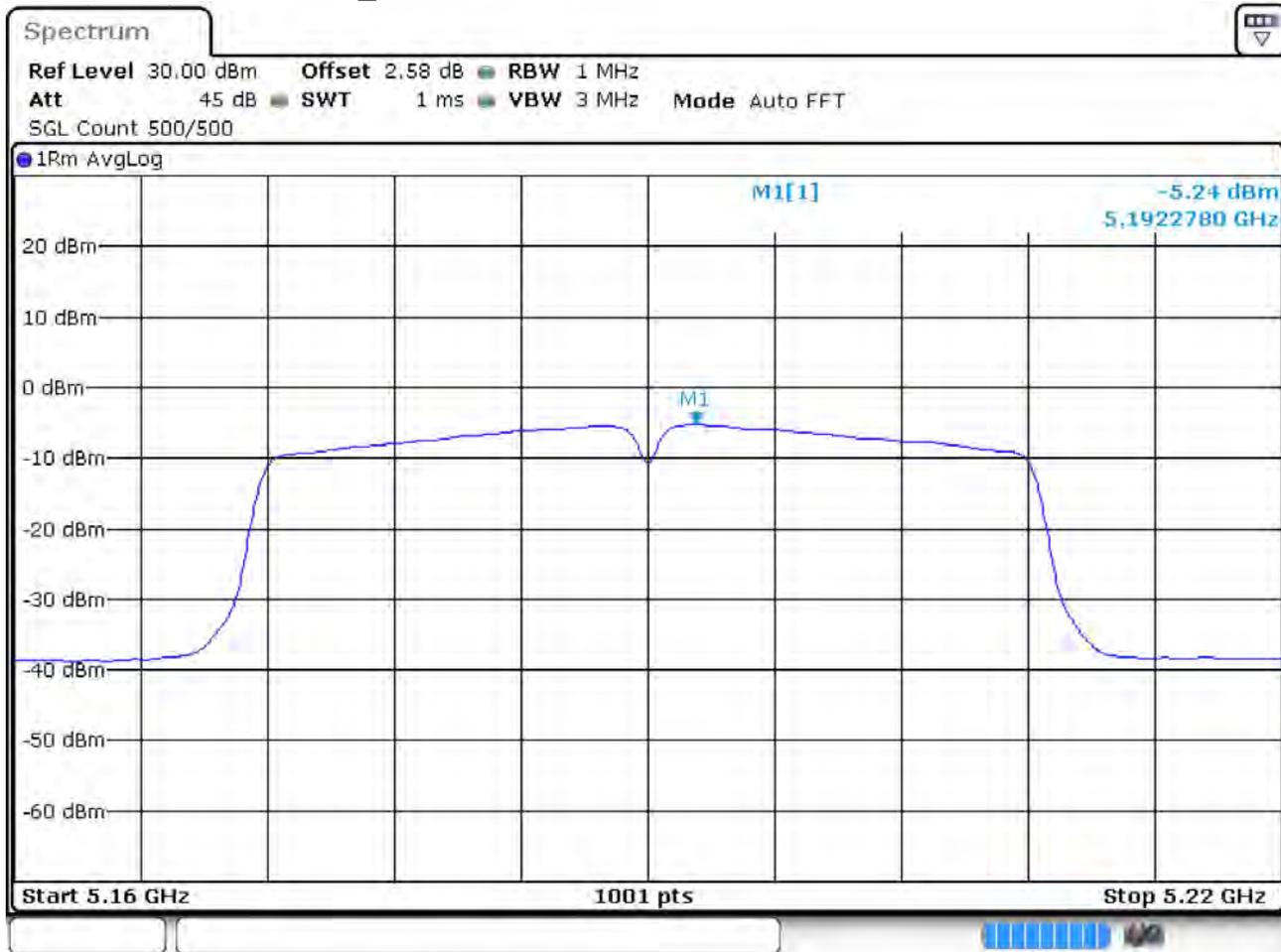


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**4.8.2.43 11AC40\_38 ANT 1**

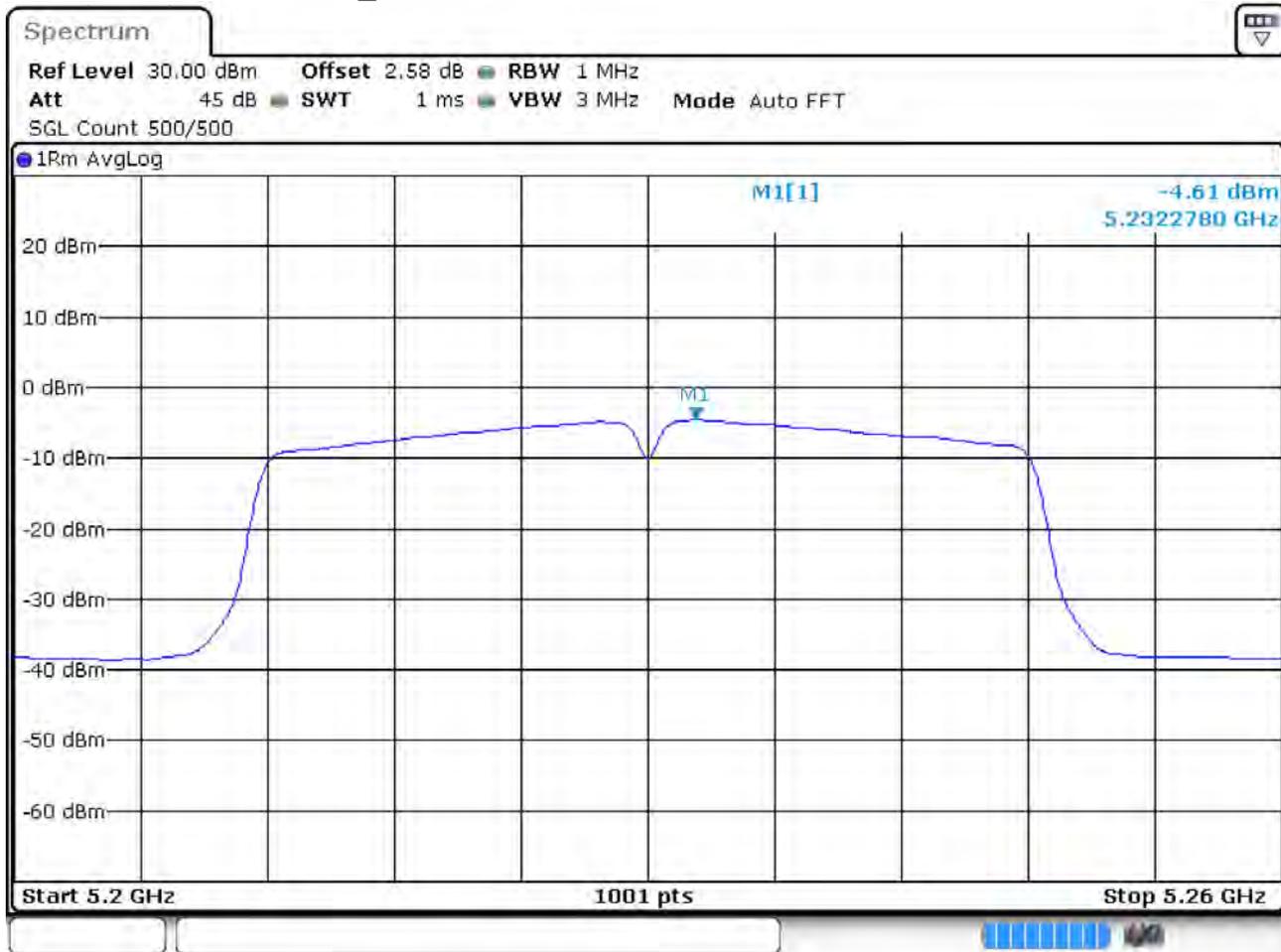


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**4.8.2.44 11AC40\_46 ANT 1**

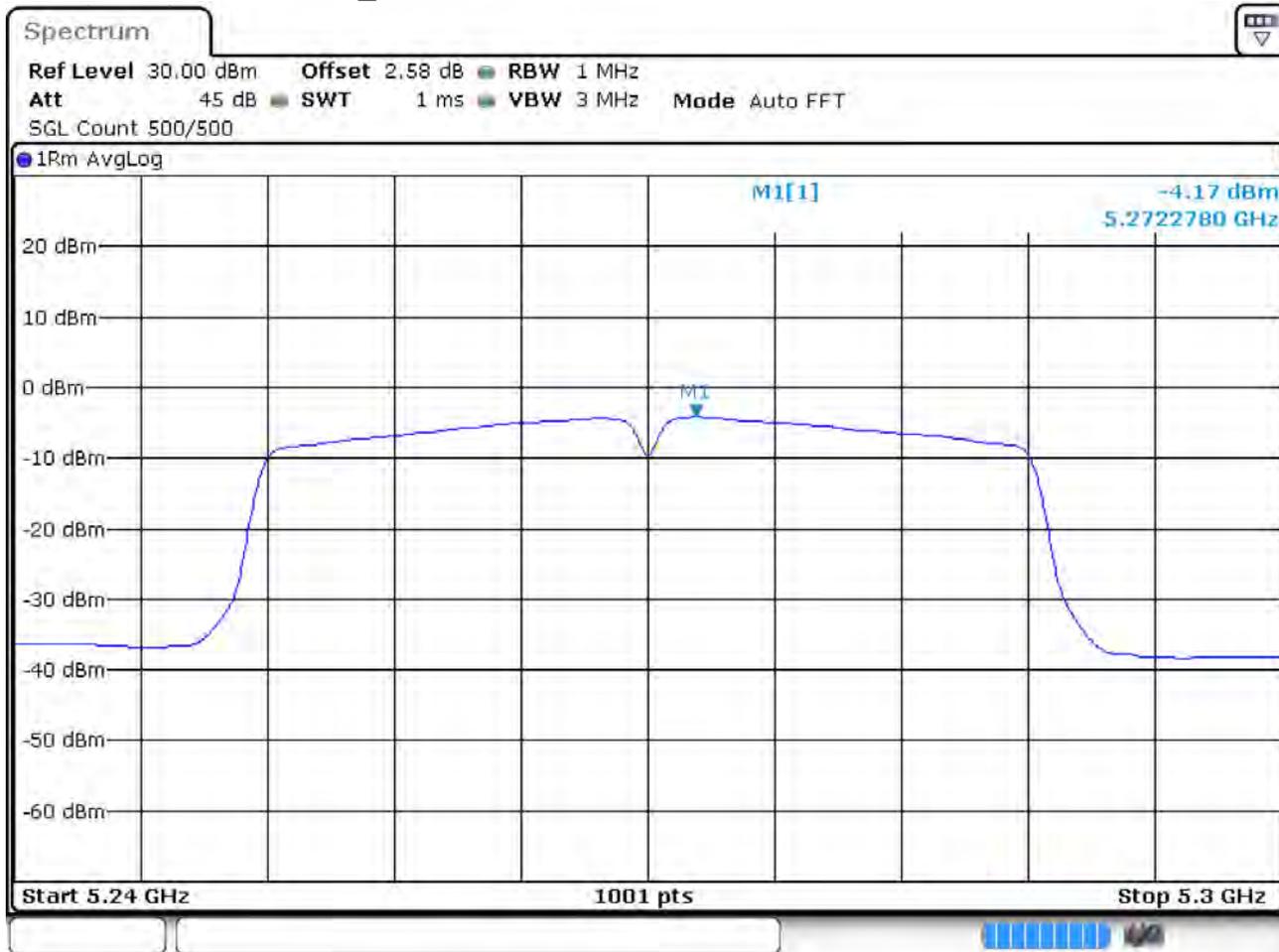


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**4.8.2.45 11AC40\_54 ANT 1**

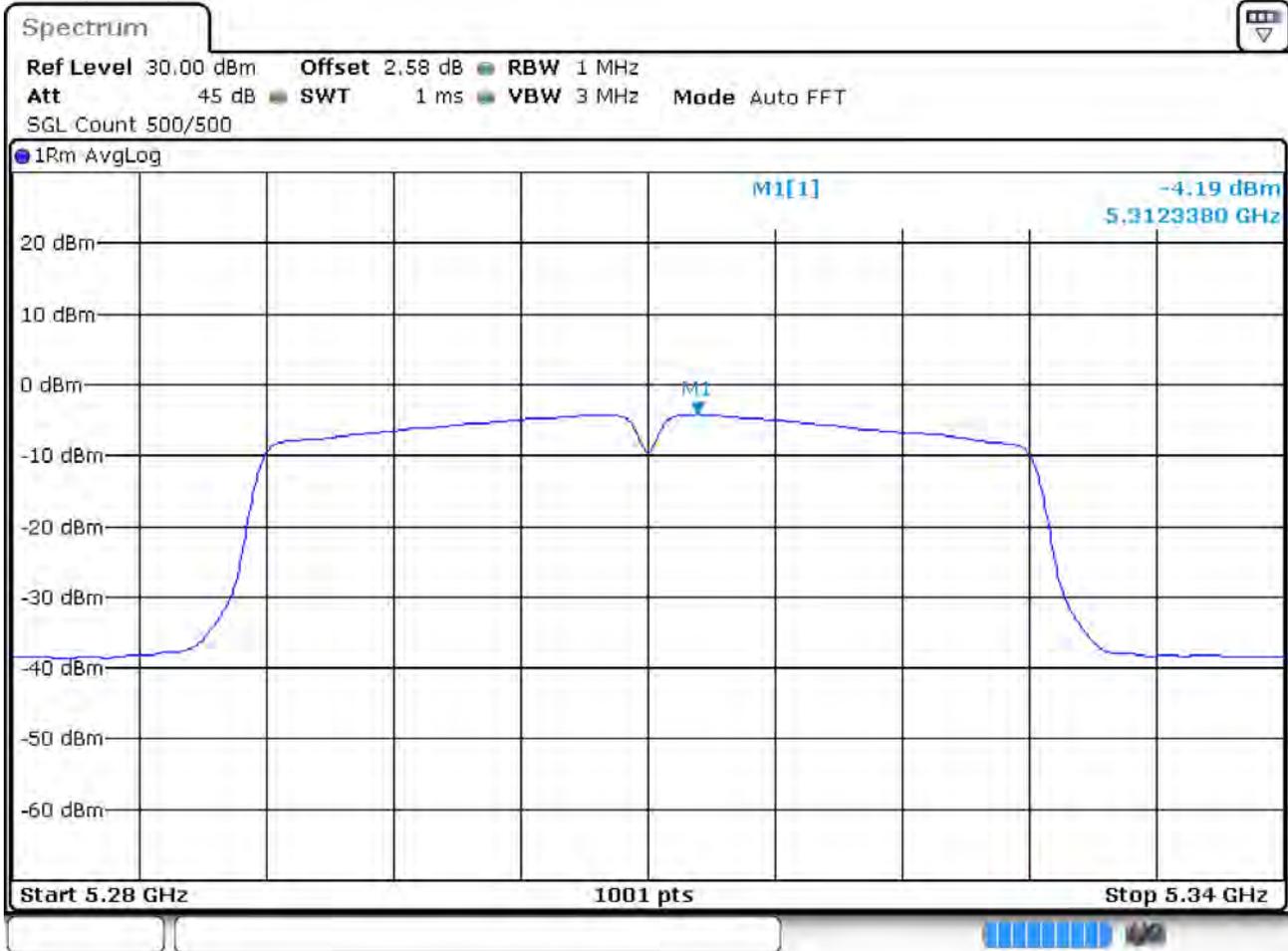


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**4.8.2.46 11AC40\_62 ANT 1**

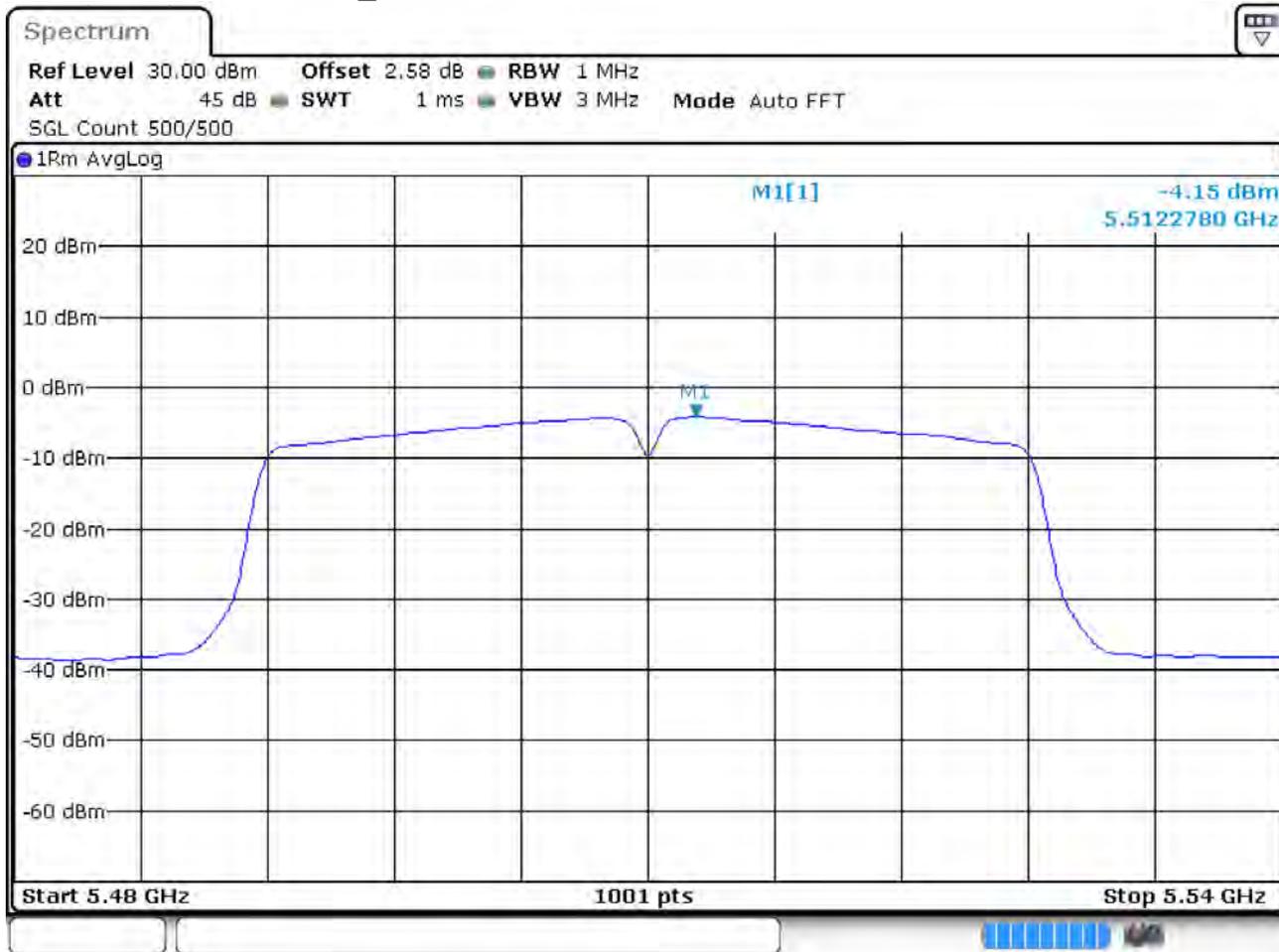


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**4.8.2.47 11AC40\_102 ANT 1**



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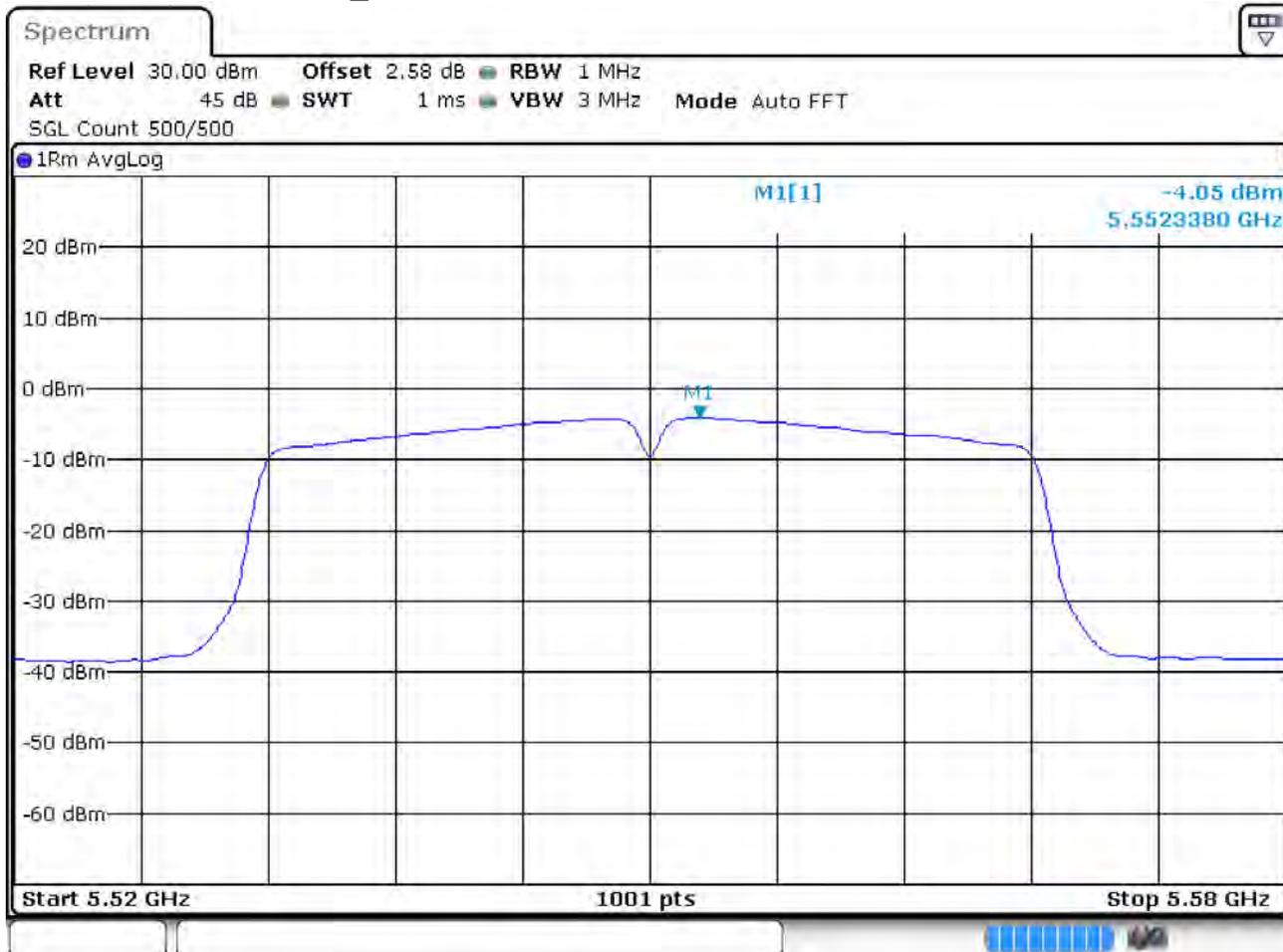


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**4.8.2.48 11AC40\_110 ANT 1**

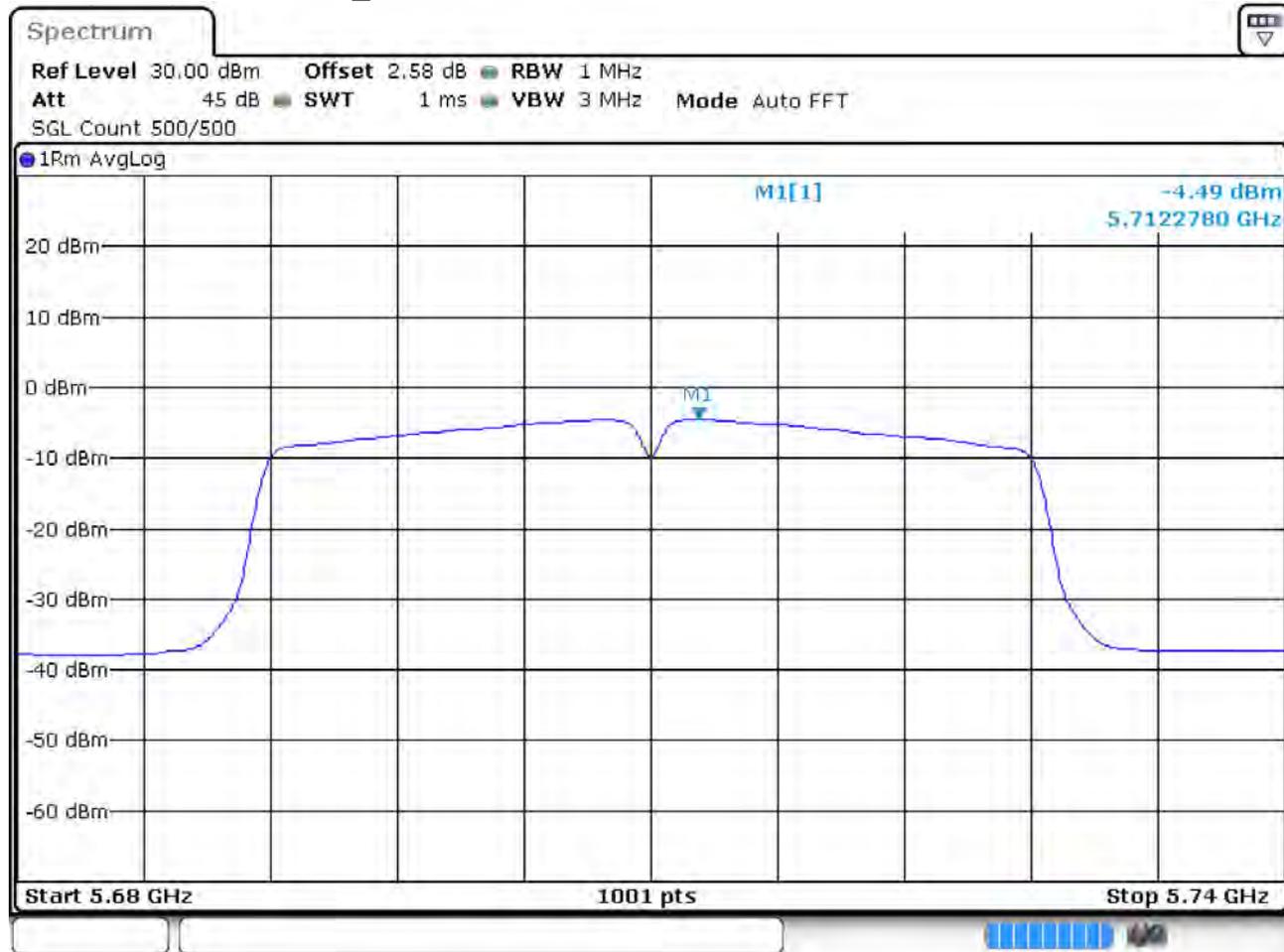


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**4.8.2.49 11AC40\_142 ANT 1**



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**4.8.2.50 11AC40\_151 ANT 1**



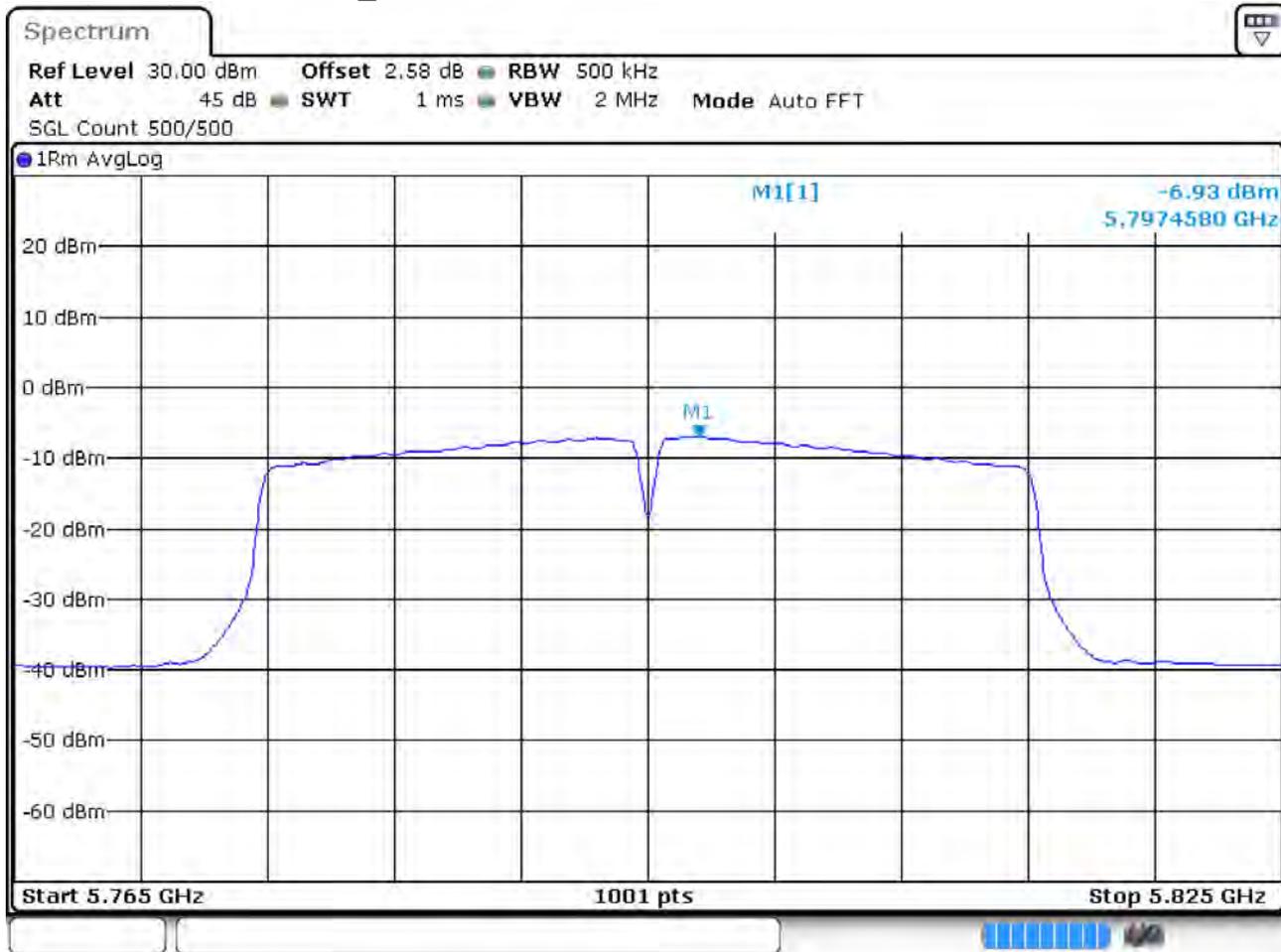
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**4.8.2.51 11AC40\_159 ANT 1**

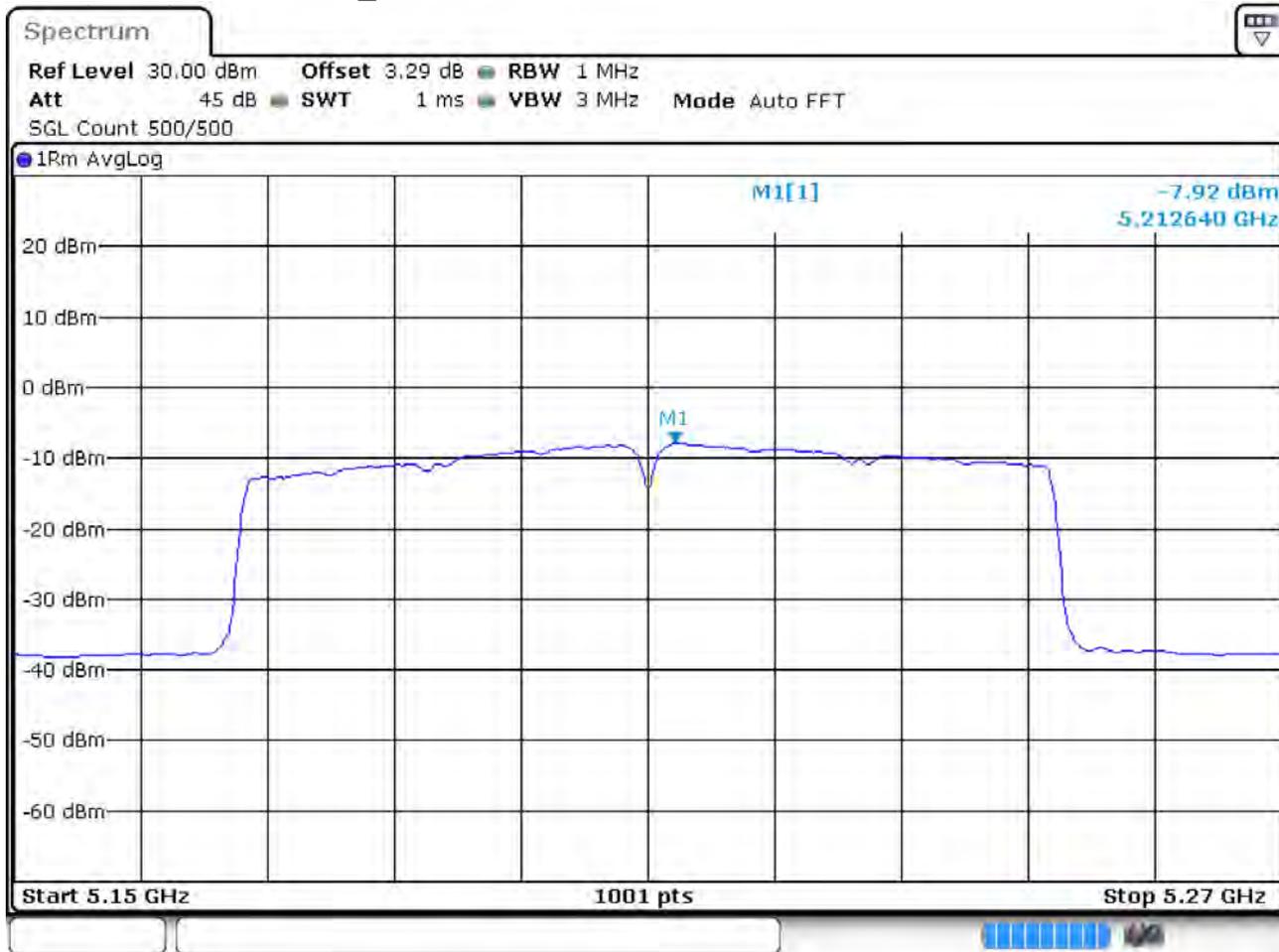


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**4.8.2.52 11AC80\_42 ANT 1**



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**4.8.2.53 11AC80\_58 ANT 1**

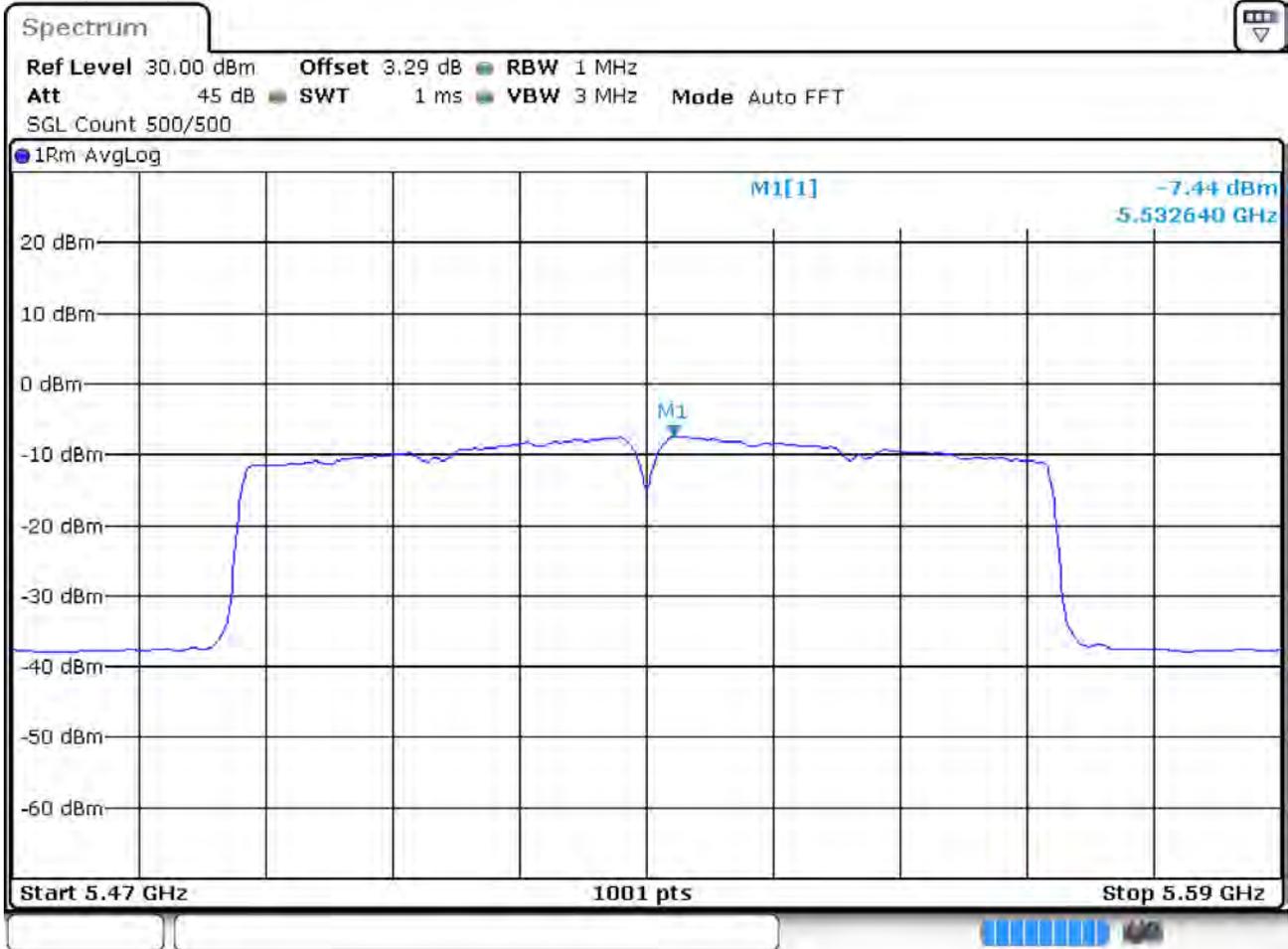


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**4.8.2.54 11AC80\_106 ANT 1**



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**4.8.2.55 11AC80\_122 ANT 1**



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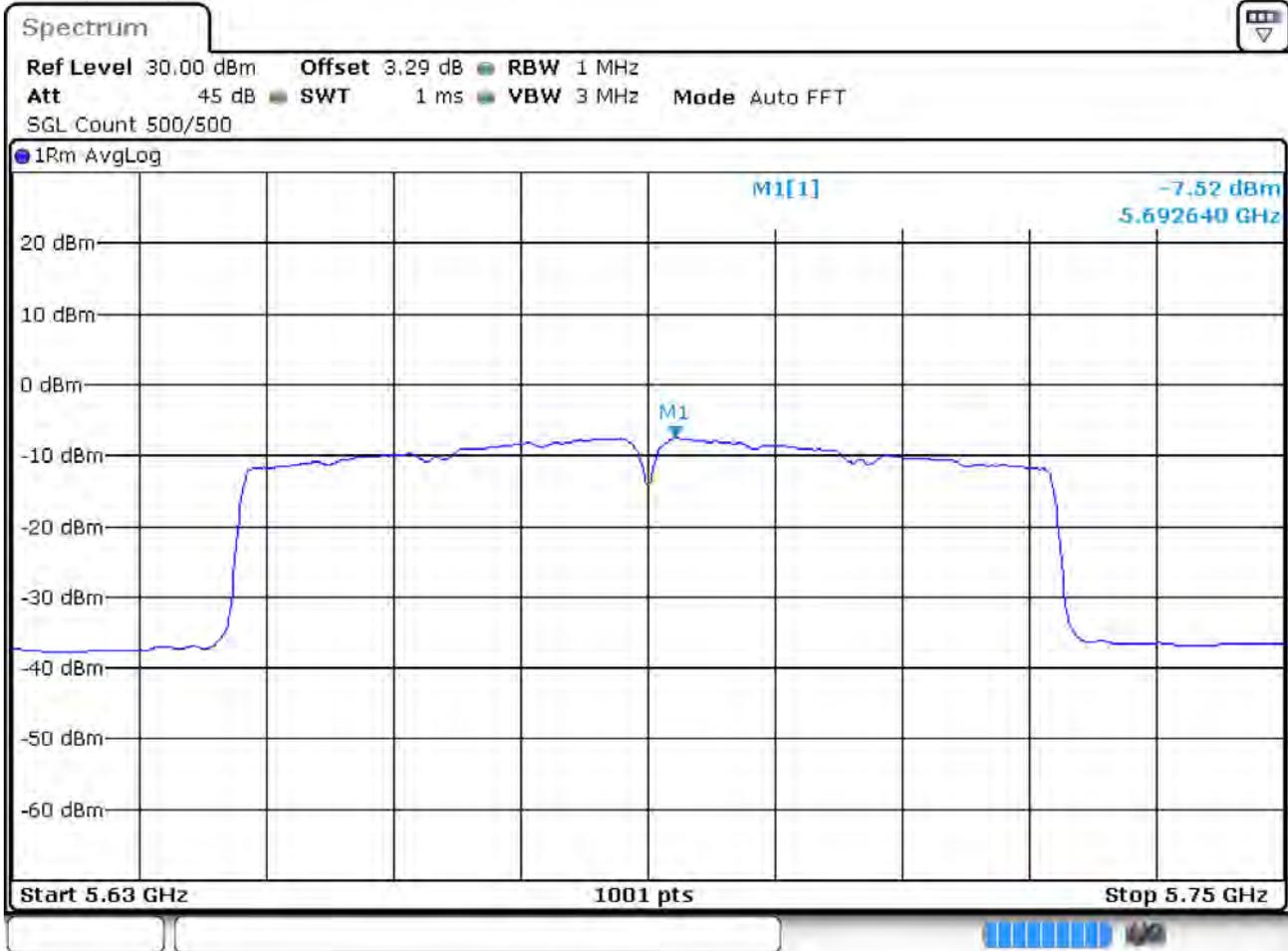


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**4.8.2.56 11AC80\_138 ANT 1**

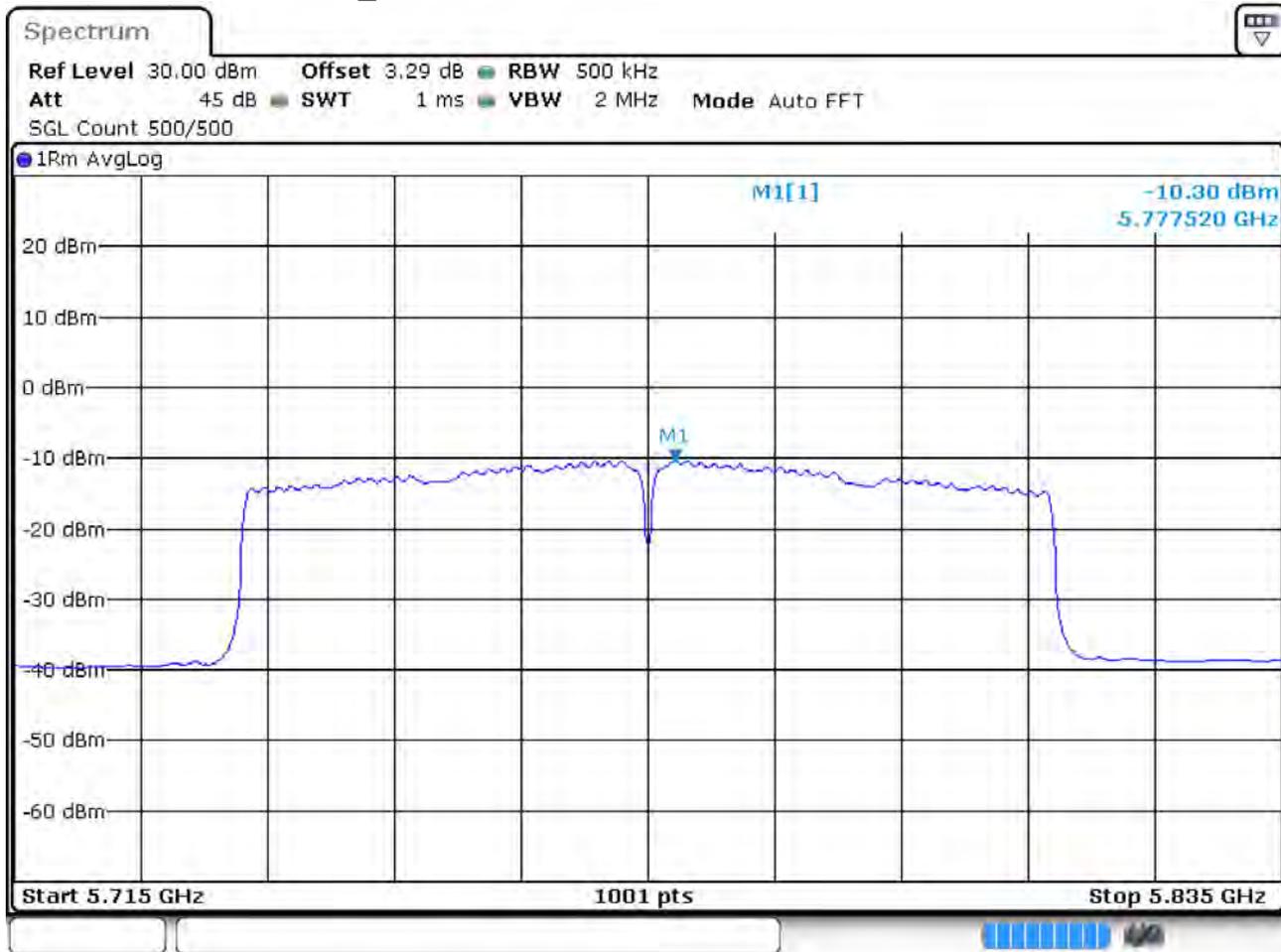


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**4.8.2.57 11AC80\_155 ANT 1**



Date: 7.JUL.2020 07:37:59



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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:	

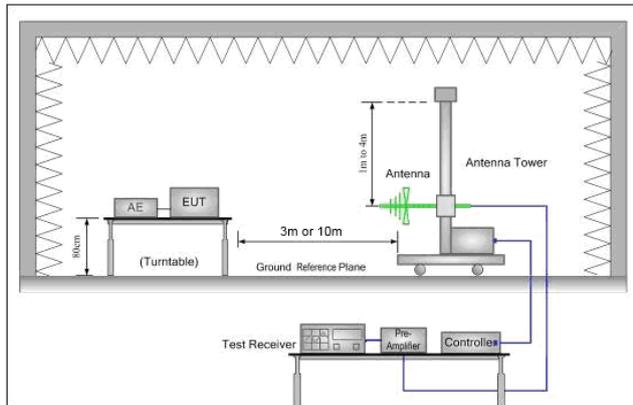


Figure 1. 30MHz to 1GHz

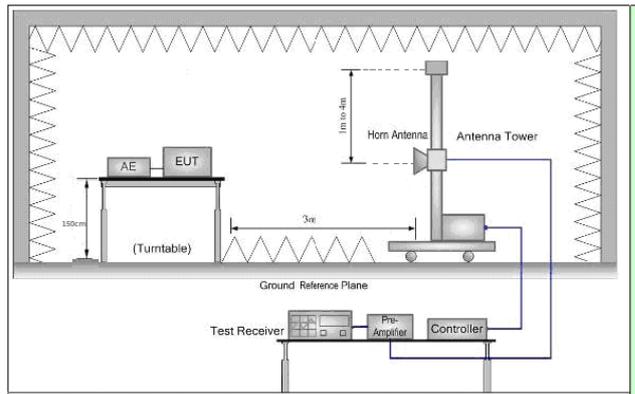


Figure 2. Above 1 GHz

**Test Procedure:**

- 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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Test the EUT in the outermost channels.
- 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



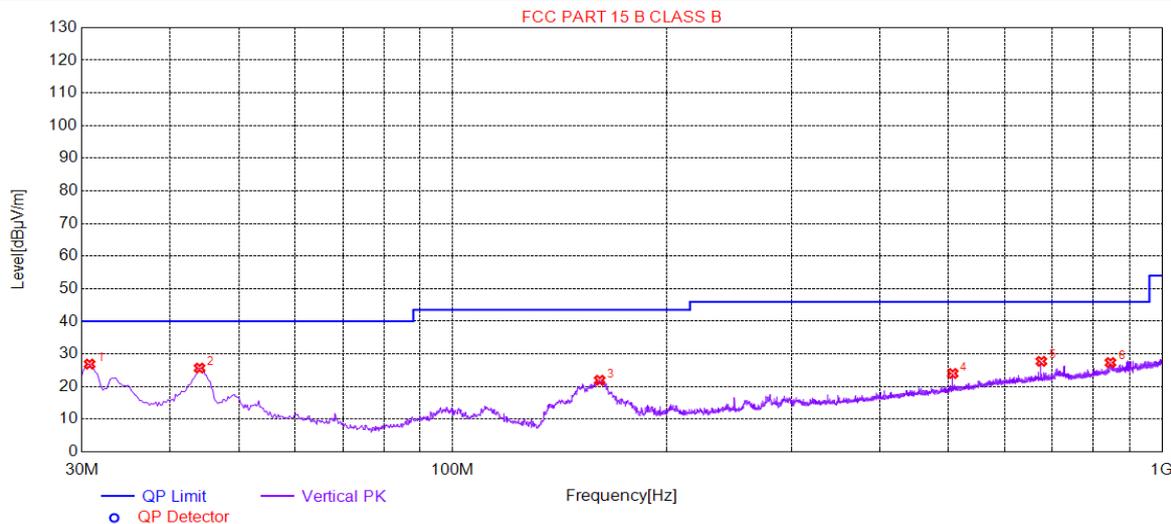
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**4.9.1 Radiated emission below 1GHz**

30MHz~1GHz (QP)		
Test mode:	Transmitting	Vertical



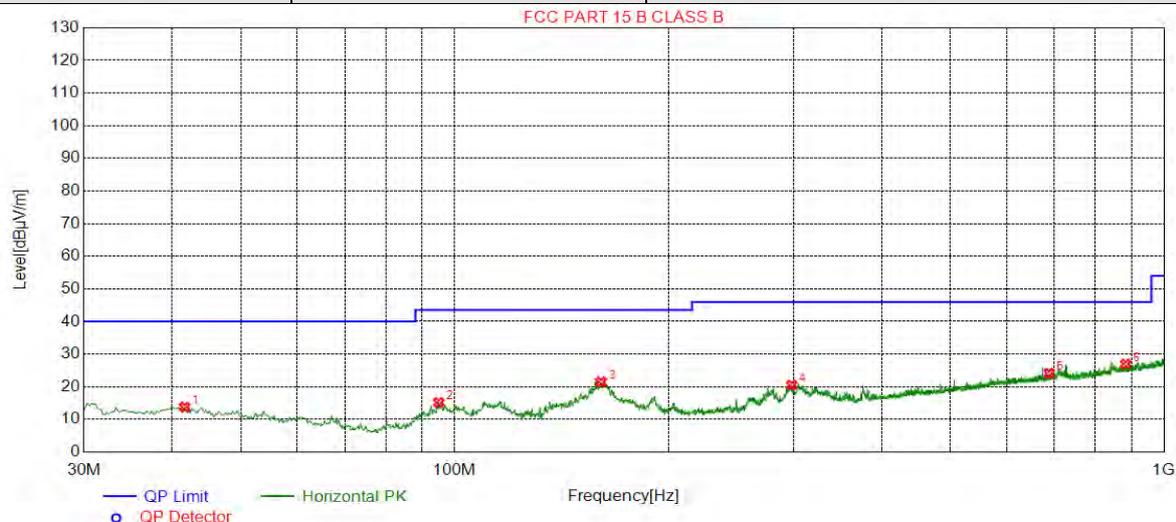
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.7762	26.91	-30.06	40.00	13.09	179	308	Vertical
2	43.9708	25.69	-30.00	40.00	14.31	197	241	Vertical
3	161.170	21.95	-34.56	43.50	21.55	175	340	Vertical
4	506.947	24.03	-23.14	46.00	21.97	288	337	Vertical
5	675.955	27.76	-19.76	46.00	18.24	255	267	Vertical
6	845.933	27.38	-16.95	46.00	18.62	212	1	Vertical



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Test mode:	Transmitting	Horizontal
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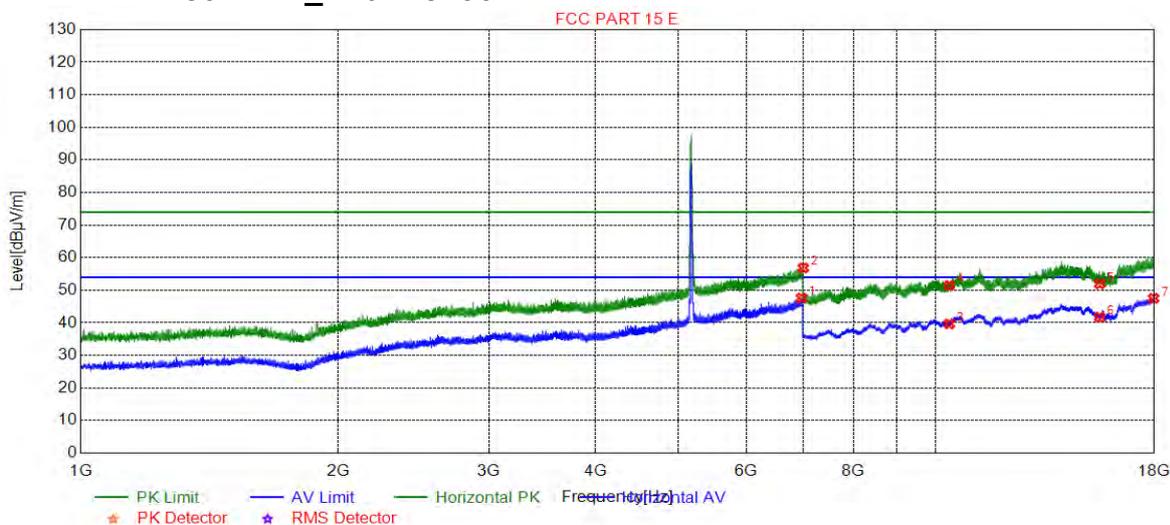
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.6423	13.79	-29.03	40.00	26.21	227	201	Horizontal
2	95.0030	15.18	-32.89	43.50	28.32	240	253	Horizontal
3	160.782	21.49	-34.58	43.50	22.01	123	119	Horizontal
4	298.743	20.54	-28.31	46.00	25.46	164	268	Horizontal
5	688.761	24.17	-19.63	46.00	21.83	123	157	Horizontal
6	883.188	26.97	-16.32	46.00	19.03	176	245	Horizontal



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**4.9.2 Transmitter emission above 1GHz**

**4.9.2.1 802.11A\_Channel 36**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6960.69	47.62	21.26	54.00	6.38	151	89	Horizontal
2	6994.29	56.86	21.27	74.00	17.14	193	342	Horizontal
3	10360.0	39.69	-3.63	54.00	14.31	110	242	Horizontal
4	10360.0	51.48	-3.63	74.00	22.52	112	192	Horizontal
5	15540.0	51.97	0.46	74.00	22.03	217	342	Horizontal
6	15540.0	41.69	0.46	54.00	12.31	178	242	Horizontal
7	17957.6	47.52	1.71	54.00	6.48	227	192	Horizontal

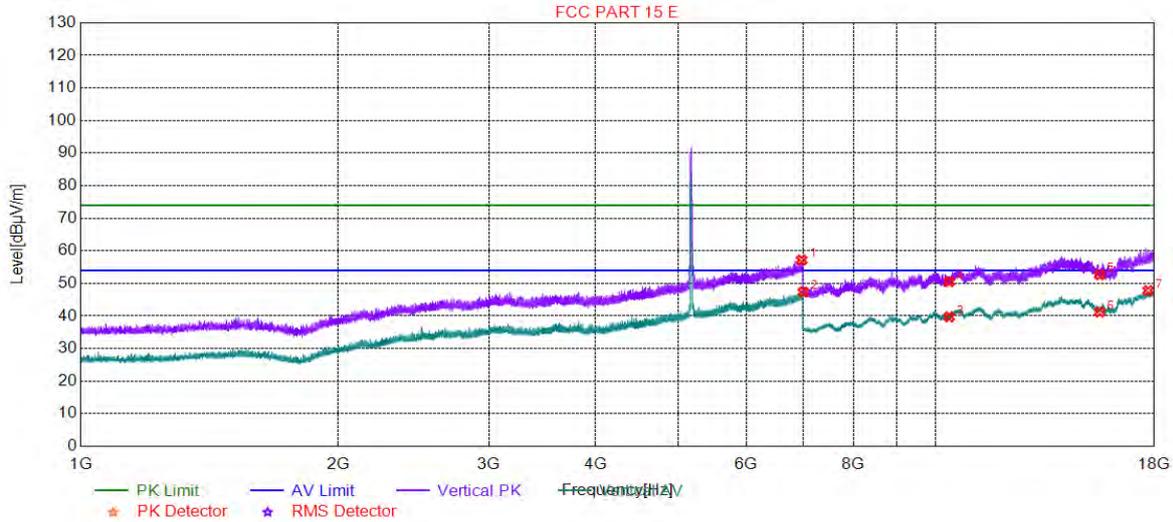


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**4.9.2.2 802.11A\_Channel 36**

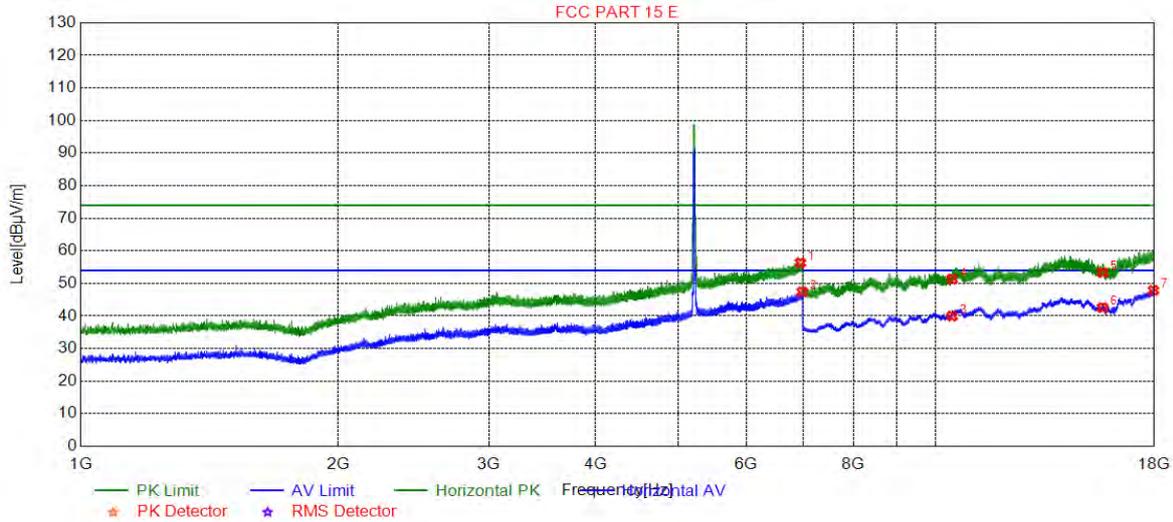


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6964.89	57.18	21.26	74.00	16.82	273	220	Vertical
2	6996.09	47.40	21.27	54.00	6.60	280	169	Vertical
3	10360.0	39.76	-3.63	54.00	14.24	151	119	Vertical
4	10360.0	50.53	-3.63	74.00	23.47	293	18	Vertical
5	15540.0	52.64	0.46	74.00	21.36	283	119	Vertical
6	15540.0	41.21	0.46	54.00	12.79	160	319	Vertical
7	17700.7	47.79	2.34	54.00	6.21	262	360	Vertical



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**4.9.2.3 802.11A\_Channel 44**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6939.99	56.35	21.17	74.00	17.65	219	40	Horizontal
2	6974.19	47.45	21.26	54.00	6.55	205	40	Horizontal
3	10440.0	39.98	-3.24	54.00	14.02	131	40	Horizontal
4	10440.0	51.35	-3.24	74.00	22.65	148	0	Horizontal
5	15660.0	53.33	0.43	74.00	20.67	241	292	Horizontal
6	15660.0	42.60	0.43	54.00	11.40	177	91	Horizontal
7	17948.8	47.87	1.70	54.00	6.13	247	40	Horizontal

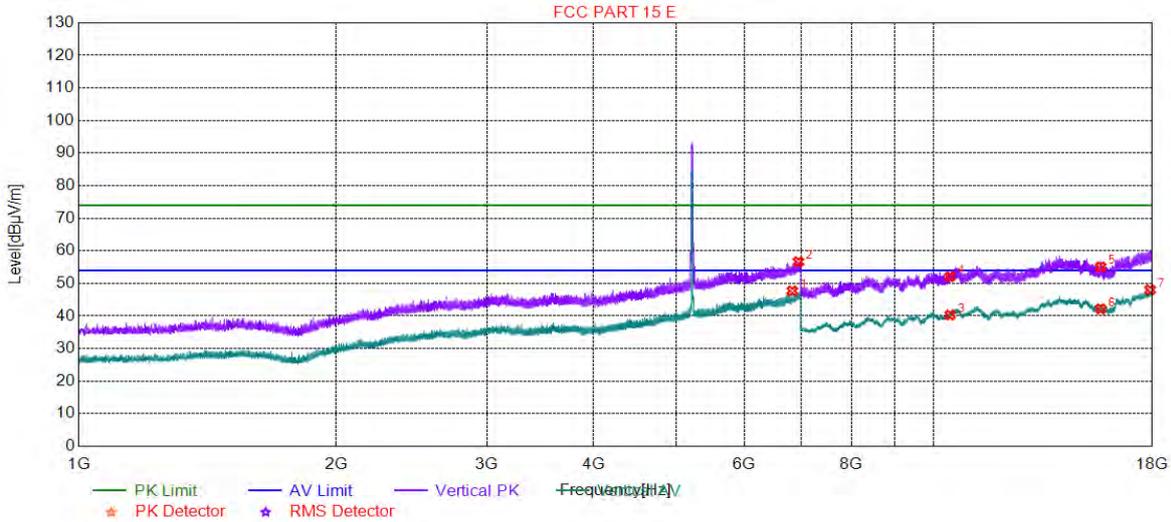


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**4.9.2.4 802.11A\_Channel 44**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6827.79	47.71	20.67	54.00	6.29	269	360	Vertical
2	6940.89	56.66	21.17	74.00	17.34	247	270	Vertical
3	10440.0	40.33	-3.24	54.00	13.67	297	69	Vertical
4	10440.0	52.13	-3.24	74.00	21.87	288	360	Vertical
5	15660.0	55.08	0.43	74.00	18.92	286	360	Vertical
6	15660.0	42.17	0.43	54.00	11.83	206	360	Vertical
7	17889.4	48.07	1.55	54.00	5.93	156	69	Vertical

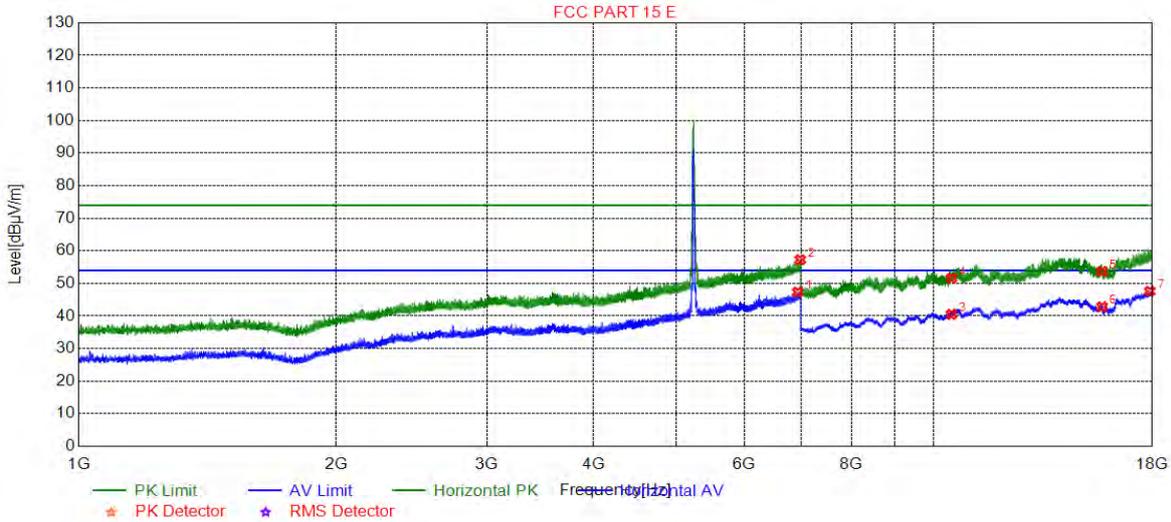


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**4.9.2.5 802.11A\_Channel 48**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6926.79	47.36	21.05	54.00	6.64	112	241	Horizontal
2	6975.69	57.26	21.26	74.00	16.74	193	291	Horizontal
3	10480.0	40.52	-2.94	54.00	13.48	146	141	Horizontal
4	10480.0	51.60	-2.94	74.00	22.40	238	90	Horizontal
5	15720.0	53.70	0.29	74.00	20.30	219	40	Horizontal
6	15720.0	42.85	0.29	54.00	11.15	206	0	Horizontal
7	17871.2	47.61	1.31	54.00	6.39	147	0	Horizontal

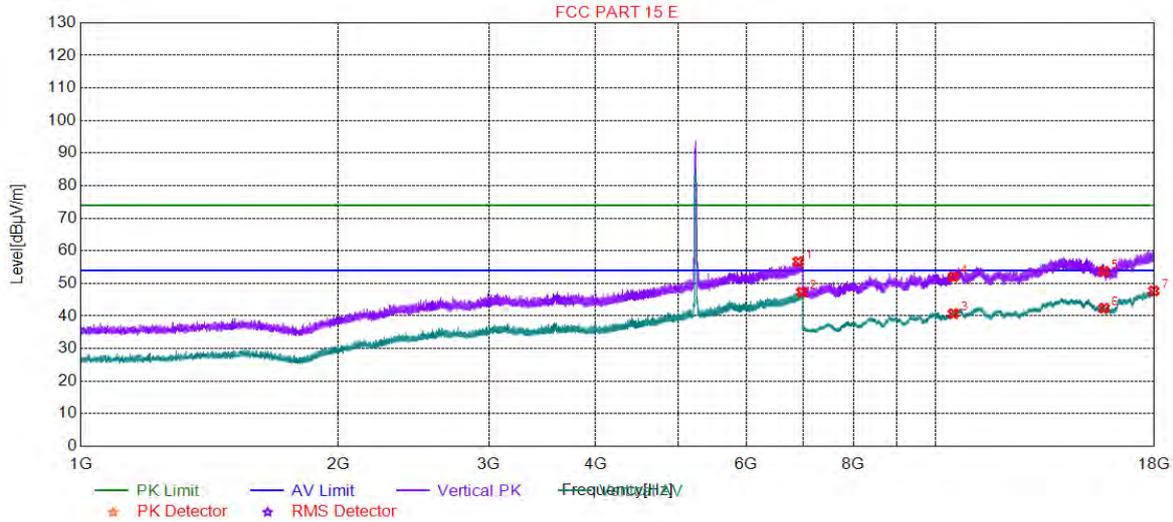


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**4.9.2.6 802.11A\_Channel 48**

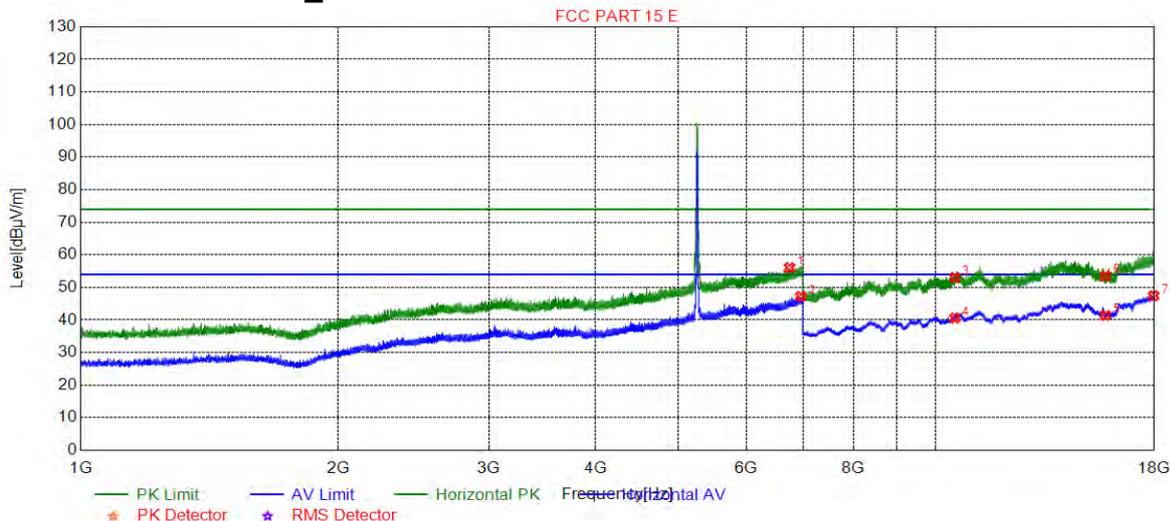


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6901.29	56.69	20.82	74.00	17.31	249	18	Vertical
2	6968.79	47.37	21.26	54.00	6.63	284	170	Vertical
3	10480.0	40.74	-2.94	54.00	13.26	292	68	Vertical
4	10480.0	52.04	-2.94	74.00	21.96	175	269	Vertical
5	15720.0	53.72	0.29	74.00	20.28	276	218	Vertical
6	15720.0	42.43	0.29	54.00	11.57	171	319	Vertical
7	17967.5	47.70	1.71	54.00	6.30	182	18	Vertical



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**4.9.2.7 802.11A\_Channel 52**

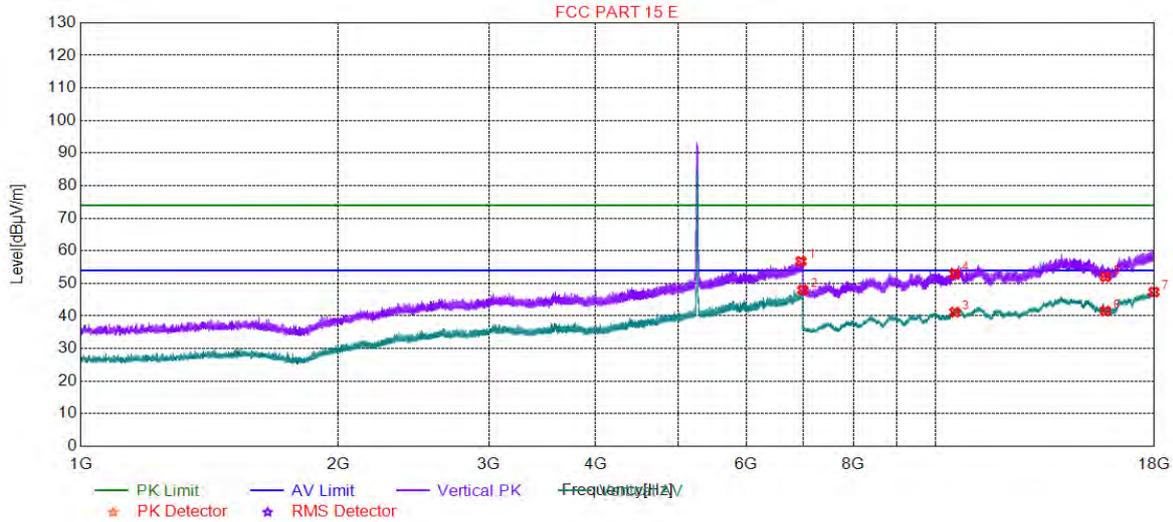


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6741.98	56.07	20.50	74.00	17.93	127	241	Horizontal
2	6948.39	47.25	21.24	54.00	6.75	134	241	Horizontal
3	10520.0	53.06	-2.80	74.00	20.94	117	190	Horizontal
4	10520.0	40.59	-2.80	54.00	13.41	113	241	Horizontal
5	15780.0	41.38	-0.72	54.00	12.62	139	291	Horizontal
6	15780.0	53.53	-0.72	74.00	20.47	110	241	Horizontal
7	17958.1	47.47	1.71	54.00	6.53	132	241	Horizontal



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**4.9.2.8 802.11A\_Channel 52**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6951.09	56.80	21.26	74.00	17.20	288	321	Vertical
2	6987.09	47.96	21.27	54.00	6.04	226	219	Vertical
3	10520.0	41.16	-2.80	54.00	12.84	277	141	Vertical
4	10520.0	52.95	-2.80	74.00	21.05	203	168	Vertical
5	15780.0	52.01	-0.72	74.00	21.99	209	269	Vertical
6	15780.0	41.53	-0.72	54.00	12.47	169	292	Vertical
7	17974.1	47.39	1.71	54.00	6.61	232	342	Vertical

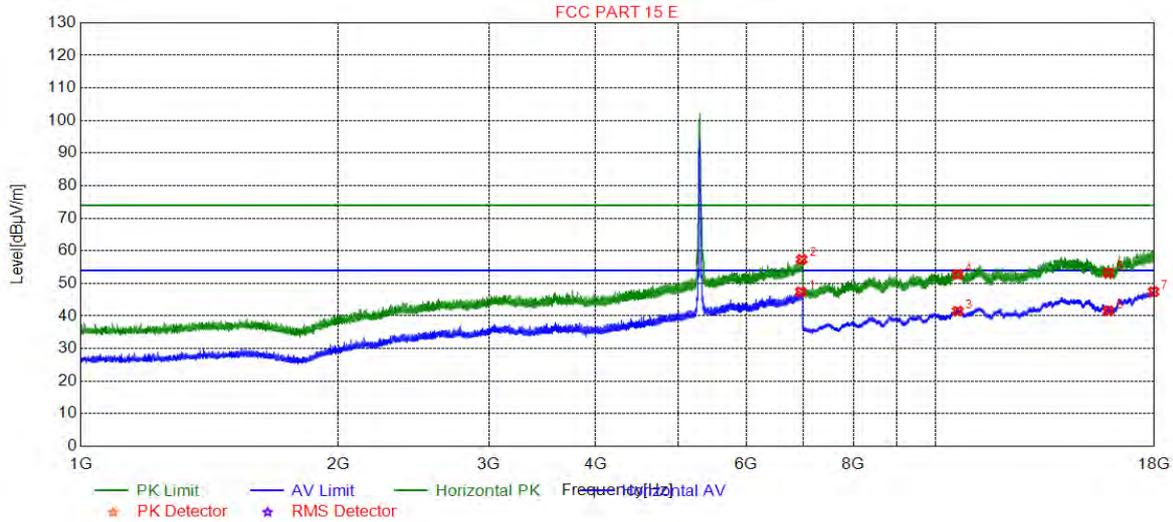


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**4.9.2.9 802.11A\_Channel 60**

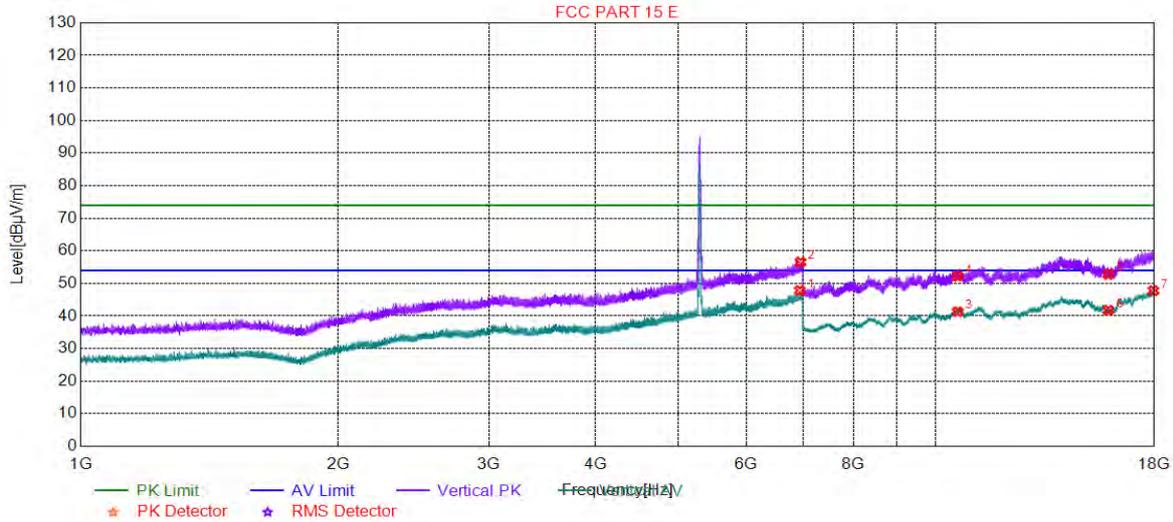


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.89	47.42	21.23	54.00	6.58	233	342	Horizontal
2	6964.29	57.38	21.26	74.00	16.62	158	142	Horizontal
3	10600.0	41.49	-2.86	54.00	12.51	220	90	Horizontal
4	10600.0	52.79	-2.86	74.00	21.21	208	40	Horizontal
5	15900.0	53.23	-0.51	74.00	20.77	151	242	Horizontal
6	15900.0	41.59	-0.51	54.00	12.41	127	0	Horizontal
7	17954.3	47.47	1.71	54.00	6.53	194	140	Horizontal



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**4.9.2.10 802.11A\_Channel 60**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6928.59	47.83	21.06	54.00	6.17	262	170	Vertical
2	6943.59	56.56	21.20	74.00	17.44	237	18	Vertical
3	10600.0	41.32	-2.86	54.00	12.68	290	119	Vertical
4	10600.0	52.23	-2.86	74.00	21.77	195	69	Vertical
5	15900.0	52.77	-0.51	74.00	21.23	223	268	Vertical
6	15900.0	41.76	-0.51	54.00	12.24	258	169	Vertical
7	17950.4	47.77	1.71	54.00	6.23	259	169	Vertical

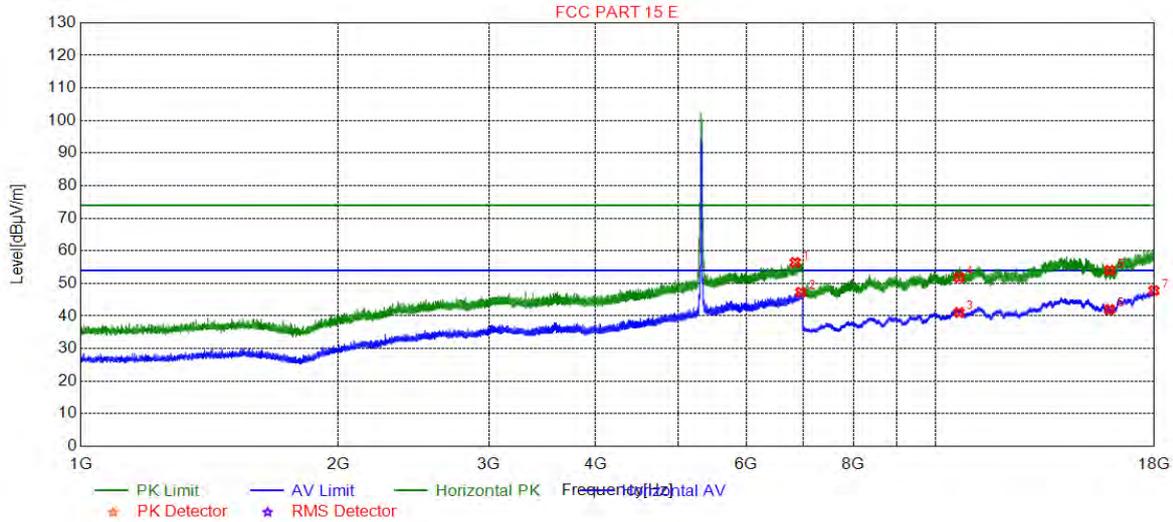


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**4.9.2.11 802.11A\_Channel 64**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6844.59	56.46	20.83	74.00	17.54	201	292	Horizontal
2	6949.29	47.28	21.25	54.00	6.72	205	140	Horizontal
3	10640.0	41.06	-2.84	54.00	12.94	128	0	Horizontal
4	10640.0	51.83	-2.84	74.00	22.17	218	40	Horizontal
5	15960.0	54.03	-0.61	74.00	19.97	129	190	Horizontal
6	15960.0	42.01	-0.61	54.00	11.99	191	190	Horizontal
7	17971.9	47.81	1.71	54.00	6.19	213	40	Horizontal

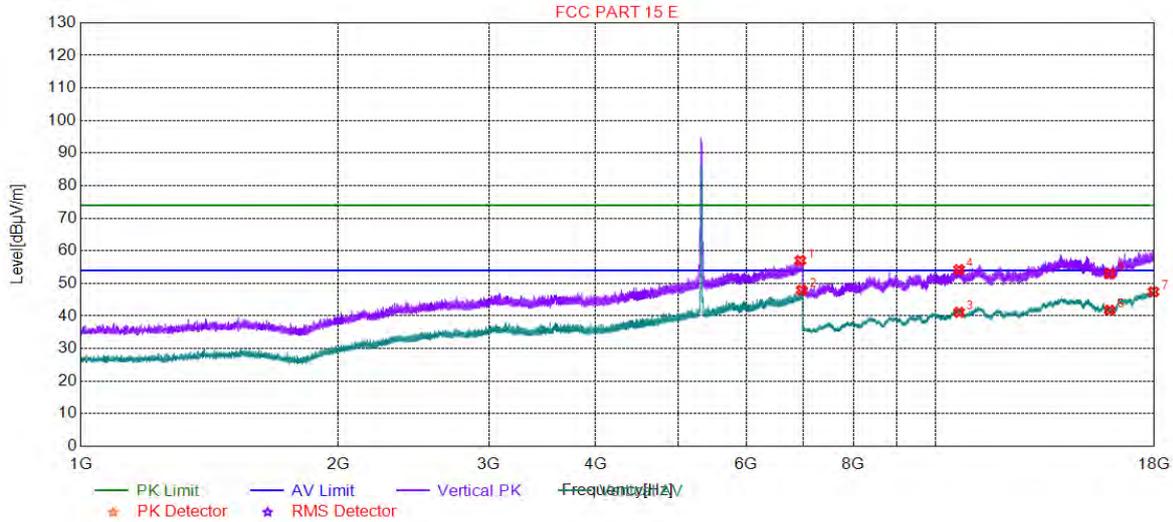


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**4.9.2.12 802.11A\_Channel 64**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6937.89	57.04	21.15	74.00	16.96	171	360	Vertical
2	6966.39	47.94	21.26	54.00	6.06	202	360	Vertical
3	10640.0	41.12	-2.84	54.00	12.88	251	69	Vertical
4	10640.0	54.26	-2.84	74.00	19.74	170	168	Vertical
5	15960.0	52.99	-0.61	74.00	21.01	246	118	Vertical
6	15960.0	41.80	-0.61	54.00	12.20	278	219	Vertical
7	17954.8	47.45	1.71	54.00	6.55	240	168	Vertical

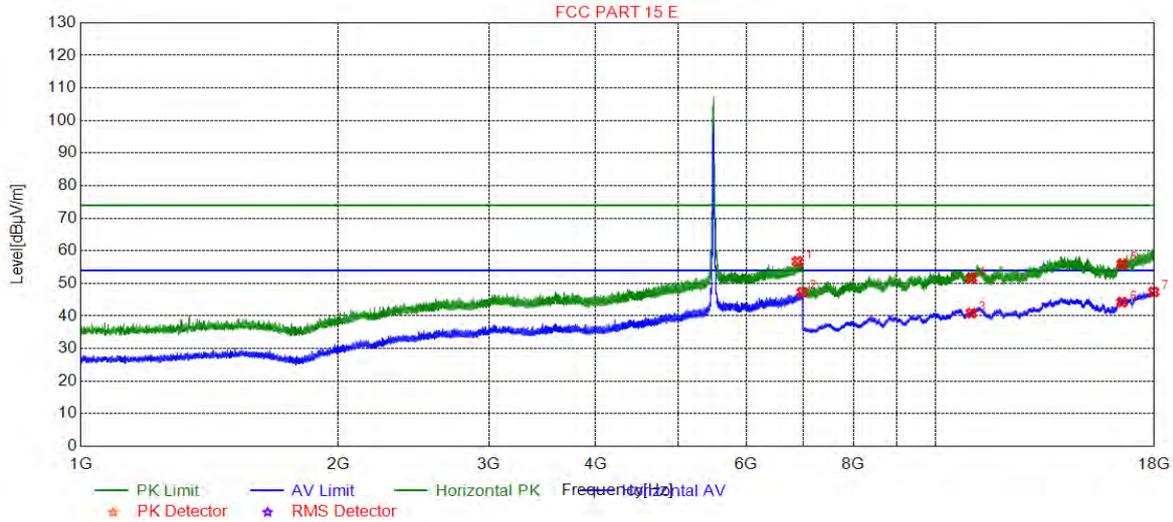


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**4.9.2.13 802.11A\_Channel 100**

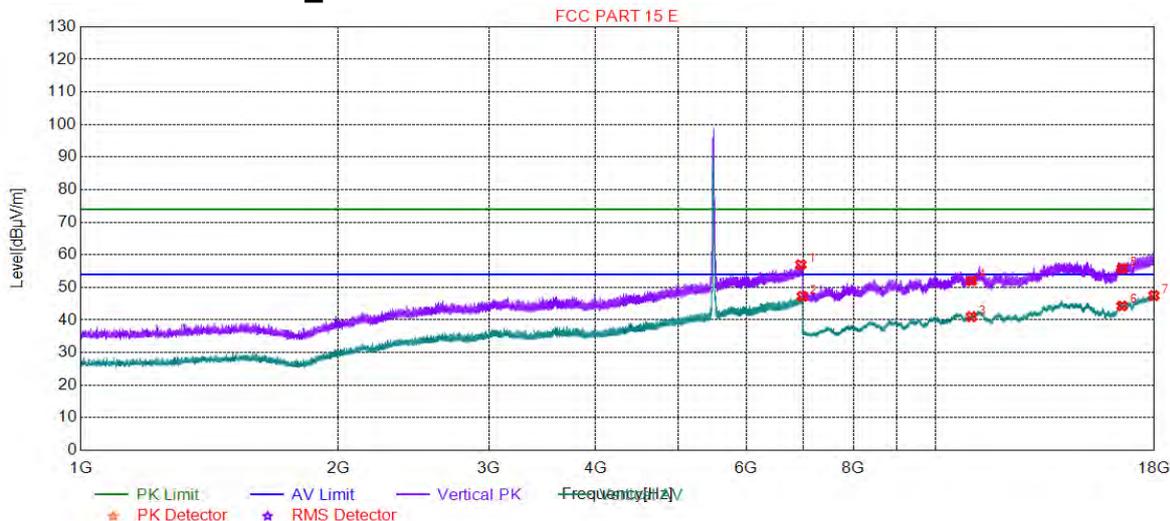


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6885.99	56.73	20.83	74.00	17.27	205	0	Horizontal
2	6977.49	47.33	21.26	54.00	6.67	230	240	Horizontal
3	11000.0	40.89	-2.17	54.00	13.11	101	342	Horizontal
4	11000.0	51.66	-2.17	74.00	22.34	245	91	Horizontal
5	16500.0	55.94	0.34	74.00	18.06	127	242	Horizontal
6	16500.0	44.25	0.34	54.00	9.75	177	91	Horizontal
7	17966.4	47.41	1.71	54.00	6.59	201	192	Horizontal



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**4.9.2.14 802.11A\_Channel 100**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6948.09	56.98	21.24	74.00	17.02	197	218	Vertical
2	6978.69	47.26	21.26	54.00	6.74	294	18	Vertical
3	11000.0	41.01	-2.17	54.00	12.99	162	360	Vertical
4	11000.0	52.03	-2.17	74.00	21.97	225	360	Vertical
5	16500.0	55.83	0.34	74.00	18.17	191	68	Vertical
6	16500.0	44.32	0.34	54.00	9.68	241	219	Vertical
7	17973.0	47.50	1.71	54.00	6.50	233	68	Vertical

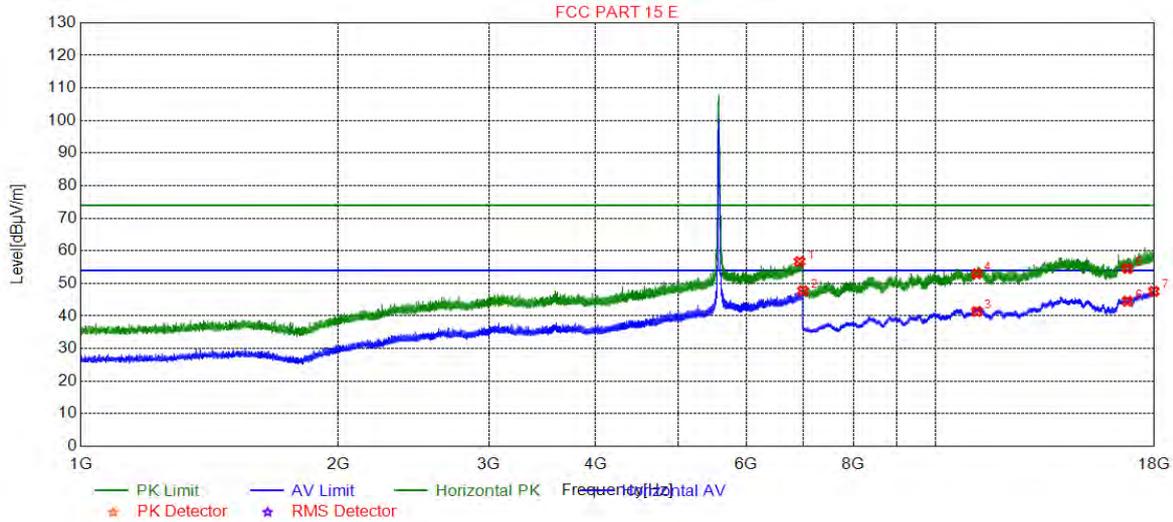


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**4.9.2.15 802.11A\_Channel 116**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6925.59	56.71	21.04	74.00	17.29	156	90	Horizontal
2	6987.99	47.75	21.27	54.00	6.25	145	342	Horizontal
3	11160.0	41.39	-2.32	54.00	12.61	144	342	Horizontal
4	11160.0	52.94	-2.32	74.00	21.06	206	140	Horizontal
5	16740.0	54.58	0.71	74.00	19.42	119	90	Horizontal
6	16740.0	44.56	0.71	54.00	9.44	227	292	Horizontal
7	17970.2	47.57	1.71	54.00	6.43	140	342	Horizontal

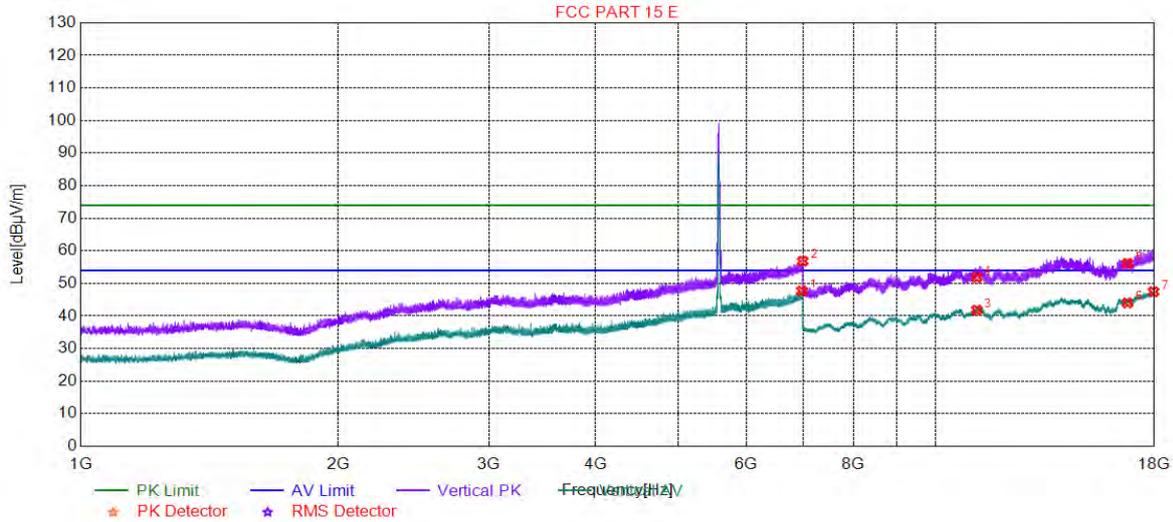


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**4.9.2.16 802.11A\_Channel 116**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6968.79	47.67	21.26	54.00	6.33	260	321	Vertical
2	6983.79	56.84	21.27	74.00	17.16	169	220	Vertical
3	11160.0	41.84	-2.32	54.00	12.16	237	18	Vertical
4	11160.0	51.85	-2.32	74.00	22.15	290	118	Vertical
5	16740.0	56.16	0.71	74.00	17.84	248	269	Vertical
6	16740.0	44.02	0.71	54.00	9.98	233	18	Vertical
7	17957.6	47.47	1.71	54.00	6.53	265	219	Vertical

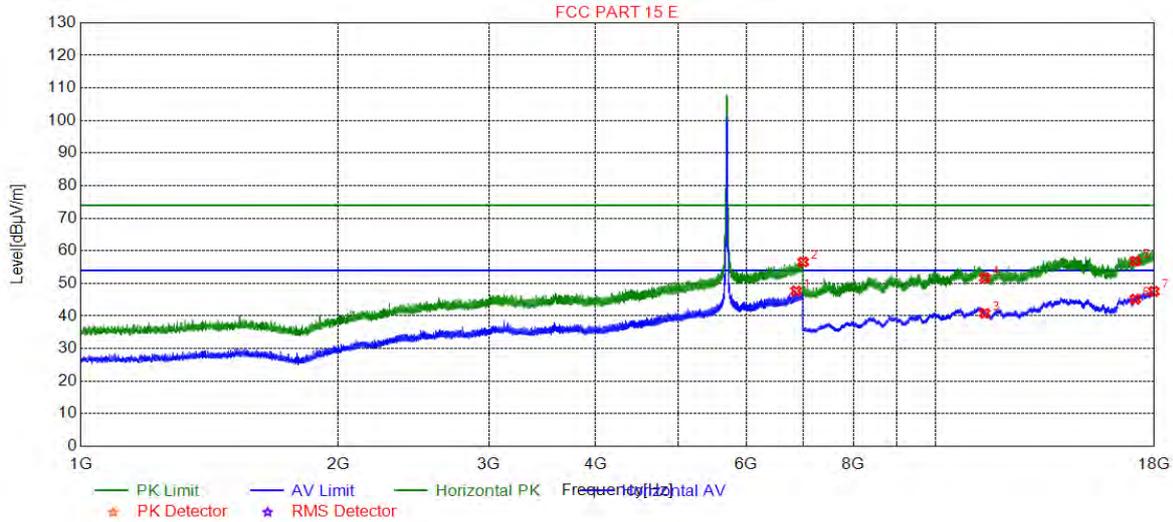


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**4.9.2.17 802.11A\_Channel 140**

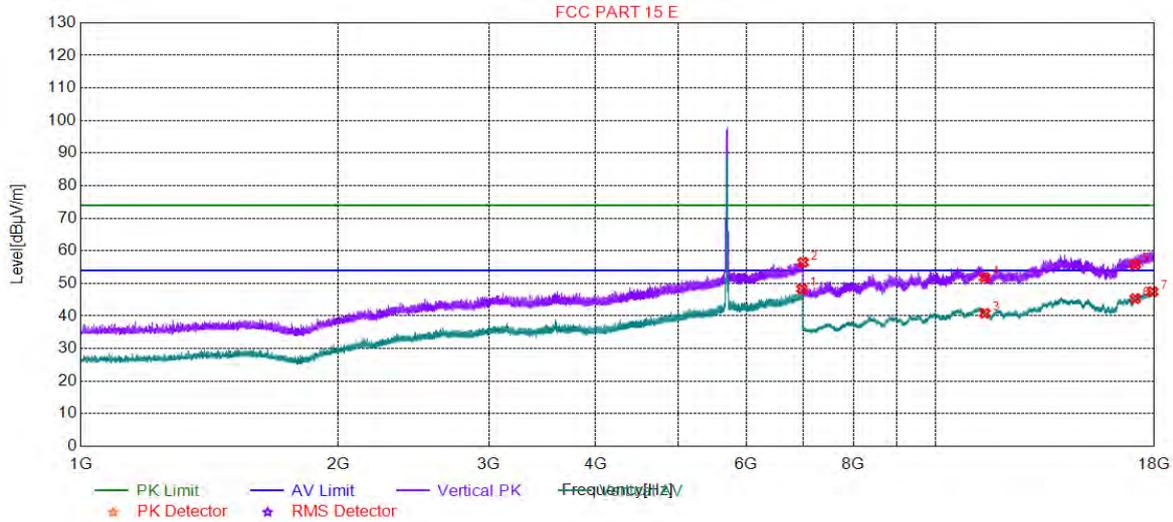


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6863.19	47.70	20.87	54.00	6.30	215	0	Horizontal
2	6991.89	56.59	21.27	74.00	17.41	113	0	Horizontal
3	11400.0	40.85	-2.15	54.00	13.15	126	242	Horizontal
4	11400.0	51.73	-2.15	74.00	22.27	213	90	Horizontal
5	17100.0	56.85	0.04	74.00	17.15	151	242	Horizontal
6	17100.0	45.20	0.04	54.00	8.80	165	342	Horizontal
7	17975.2	47.58	1.71	54.00	6.42	175	292	Horizontal



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**4.9.2.18 802.11A\_Channel 140**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6969.39	48.34	21.26	54.00	5.66	190	360	Vertical
2	6988.89	56.48	21.27	74.00	17.52	274	360	Vertical
3	11400.0	40.86	-2.15	54.00	13.14	196	68	Vertical
4	11400.0	51.88	-2.15	74.00	22.12	271	169	Vertical
5	17100.0	55.83	0.04	74.00	18.17	282	68	Vertical
6	17100.0	45.35	0.04	54.00	8.65	224	18	Vertical
7	17913.6	47.48	1.69	54.00	6.52	220	320	Vertical

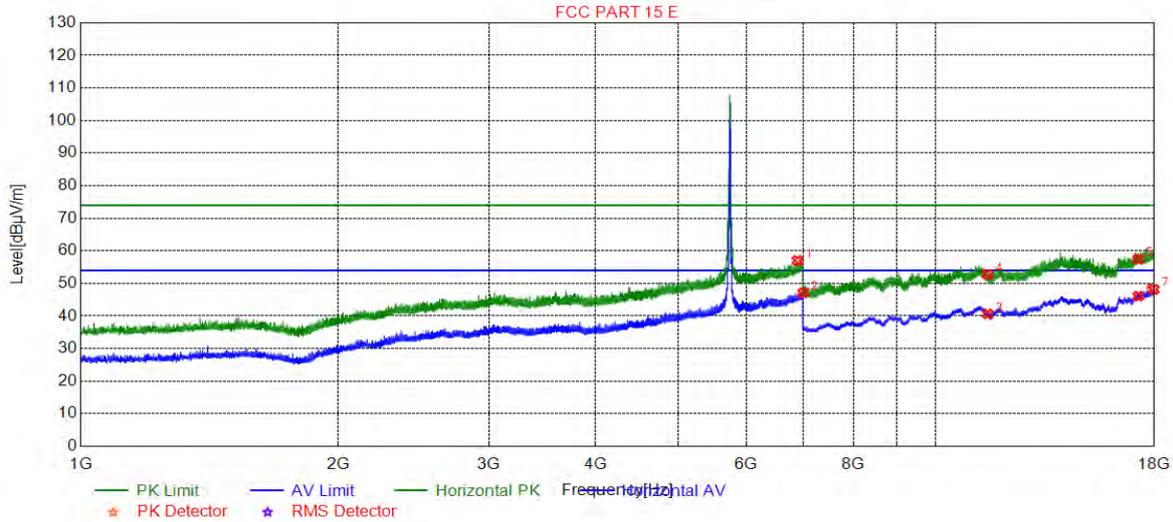


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**4.9.2.19 802.11A\_Channel 149**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6886.89	57.05	20.83	74.00	16.95	239	139	Horizontal
2	6992.19	47.08	21.27	54.00	6.92	121	190	Horizontal
3	11490.0	40.65	-2.03	54.00	13.35	149	190	Horizontal
4	11490.0	52.80	-2.03	74.00	21.20	210	41	Horizontal
5	17235.0	57.50	0.33	74.00	16.50	209	342	Horizontal
6	17235.0	46.08	0.33	54.00	7.92	111	141	Horizontal
7	17972.4	48.16	1.71	54.00	5.84	242	290	Horizontal

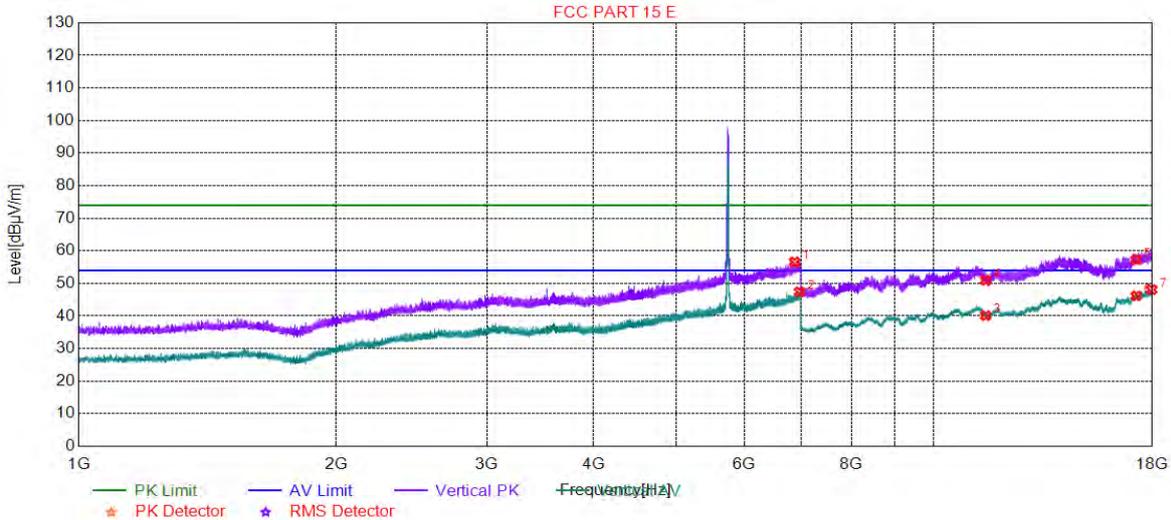


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**4.9.2.20 802.11A\_Channel 149**

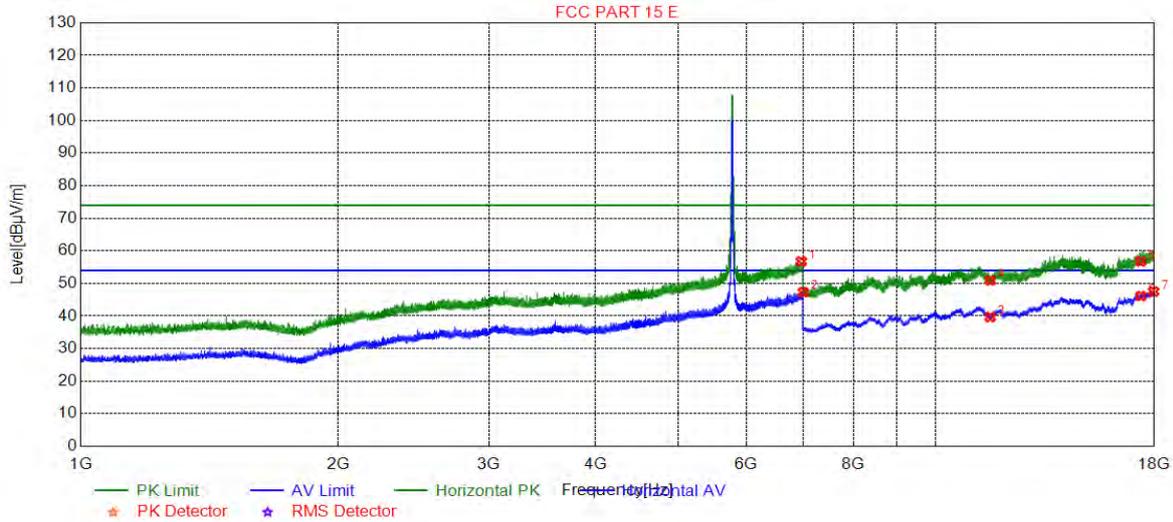


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6869.79	56.60	20.86	74.00	17.40	275	69	Vertical
2	6963.39	47.39	21.26	54.00	6.61	227	320	Vertical
3	11490.0	40.14	-2.03	54.00	13.86	298	219	Vertical
4	11490.0	50.96	-2.03	74.00	23.04	221	68	Vertical
5	17235.0	57.30	0.33	74.00	16.70	201	219	Vertical
6	17235.0	46.18	0.33	54.00	7.82	172	68	Vertical
7	17966.9	48.10	1.71	54.00	5.90	152	18	Vertical



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**4.9.2.21 802.11A\_Channel 157**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6957.69	56.76	21.26	74.00	17.24	243	40	Horizontal
2	6995.49	47.32	21.27	54.00	6.68	138	191	Horizontal
3	11570.0	39.68	-2.39	54.00	14.32	223	191	Horizontal
4	11570.0	50.93	-2.39	74.00	23.07	230	0	Horizontal
5	17355.0	56.74	1.06	74.00	17.26	239	141	Horizontal
6	17355.0	46.15	1.06	54.00	7.85	226	41	Horizontal
7	17960.3	47.51	1.71	54.00	6.49	132	91	Horizontal

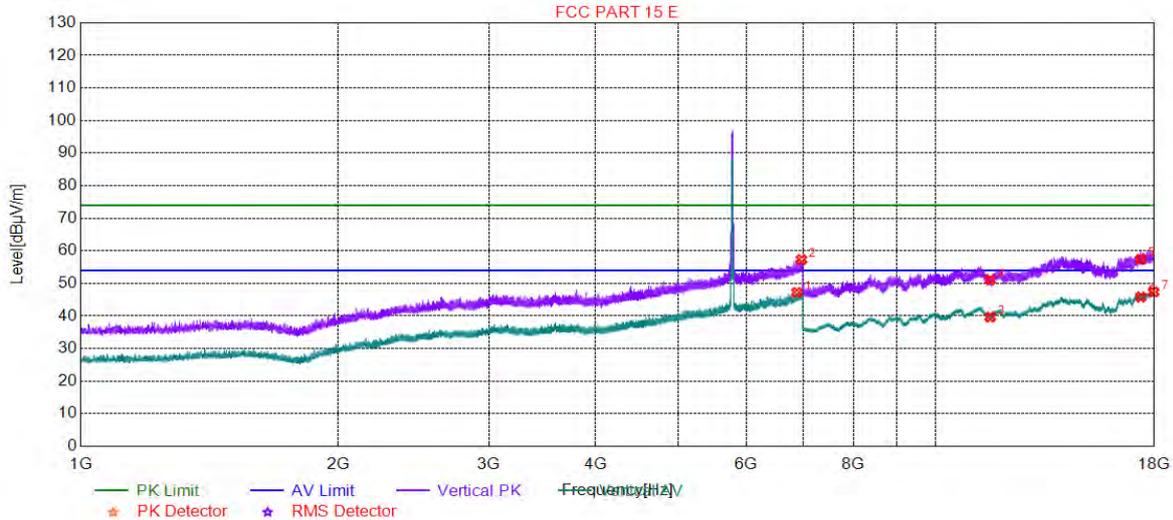


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**4.9.2.22 802.11A\_Channel 157**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6873.99	47.24	20.85	54.00	6.76	195	321	Vertical
2	6960.69	57.30	21.26	74.00	16.70	215	119	Vertical
3	11570.0	39.68	-2.39	54.00	14.32	257	360	Vertical
4	11570.0	51.11	-2.39	74.00	22.89	191	219	Vertical
5	17355.0	57.43	1.06	74.00	16.57	170	318	Vertical
6	17355.0	45.83	1.06	54.00	8.17	177	118	Vertical
7	17965.3	47.40	1.71	54.00	6.60	187	168	Vertical

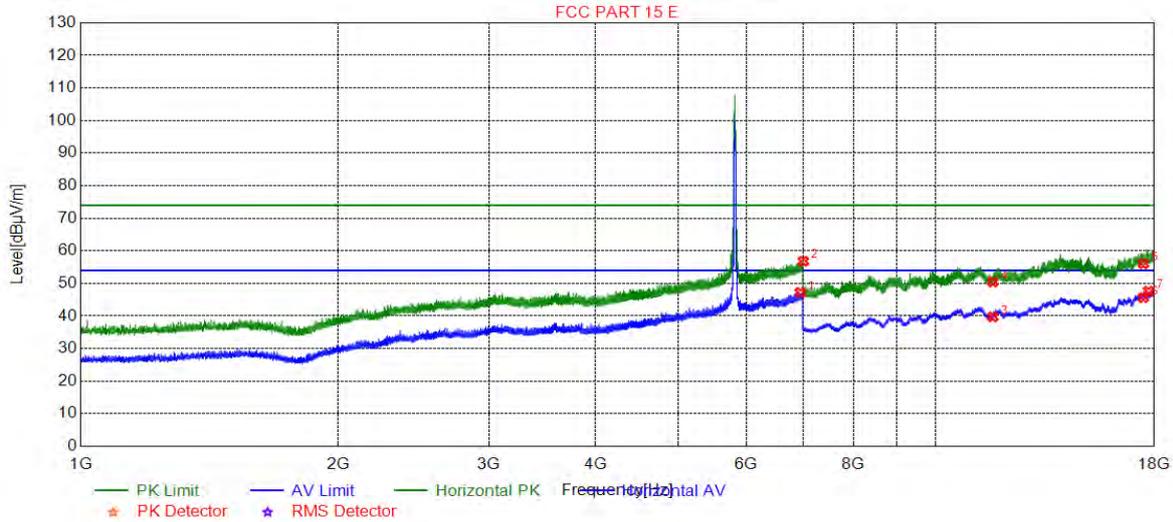


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**4.9.2.23 802.11A\_Channel 165**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.59	47.25	21.17	54.00	6.75	110	291	Horizontal
2	6995.49	56.80	21.27	74.00	17.20	107	291	Horizontal
3	11650.0	39.75	-2.49	54.00	14.25	215	141	Horizontal
4	11650.0	50.45	-2.49	74.00	23.55	117	0	Horizontal
5	17475.0	56.05	1.76	74.00	17.95	128	191	Horizontal
6	17475.0	45.66	1.76	54.00	8.34	179	92	Horizontal
7	17721.1	47.63	1.94	54.00	6.37	173	242	Horizontal

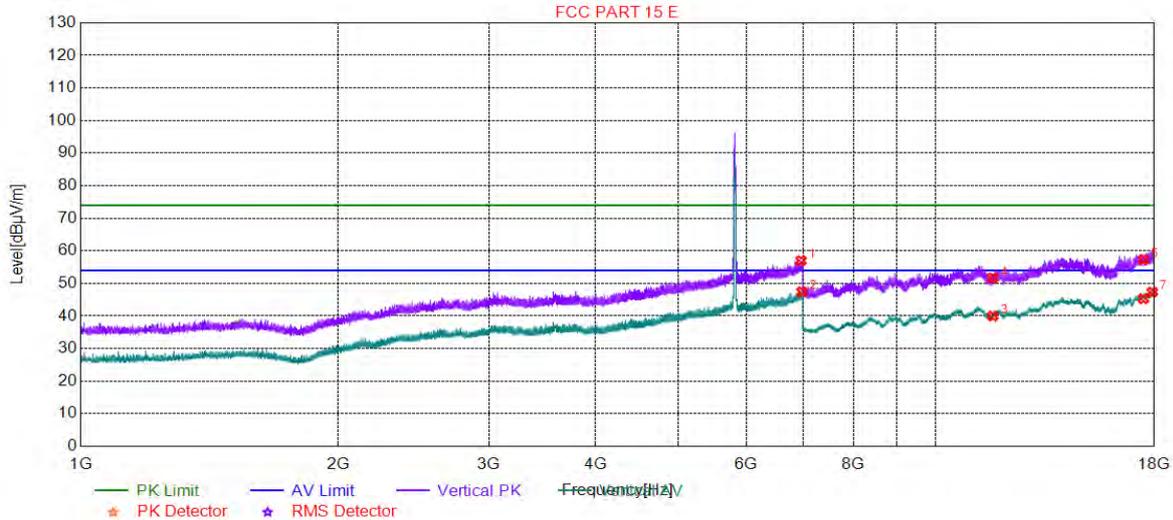


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**4.9.2.24 802.11A\_Channel 165**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6952.29	57.01	21.26	74.00	16.99	189	360	Vertical
2	6970.59	47.45	21.26	54.00	6.55	178	218	Vertical
3	11650.0	40.00	-2.49	54.00	14.00	295	268	Vertical
4	11650.0	51.70	-2.49	74.00	22.30	255	18	Vertical
5	17475.0	57.32	1.76	74.00	16.68	155	218	Vertical
6	17475.0	45.31	1.76	54.00	8.69	259	168	Vertical
7	17893.8	47.35	1.61	54.00	6.65	151	319	Vertical

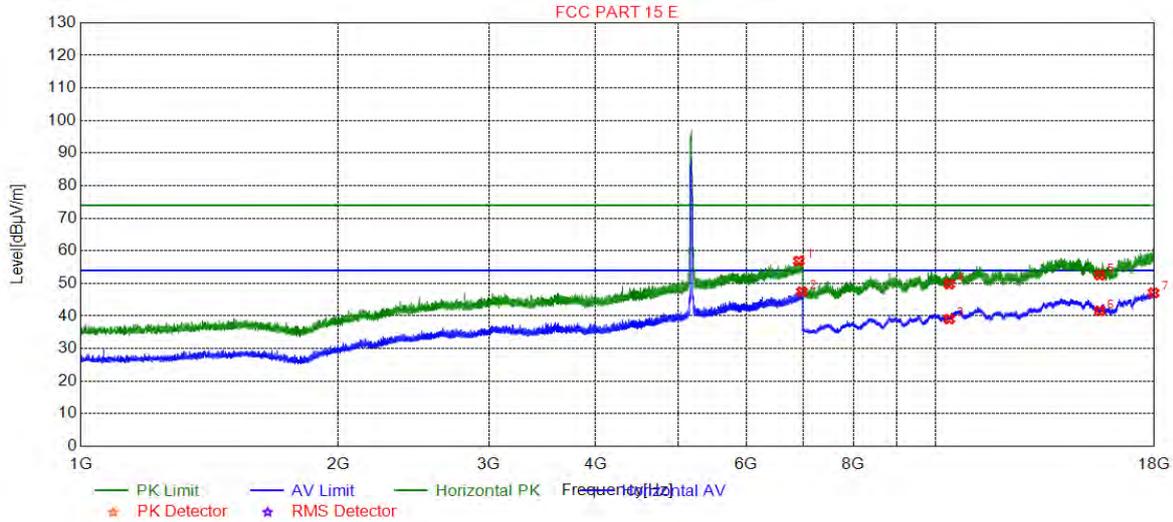


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**4.9.2.25 802.11N20\_Channel 36**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.29	56.91	20.90	74.00	17.09	134	291	Horizontal
2	6970.89	47.45	21.26	54.00	6.55	144	39	Horizontal
3	10360.0	39.07	-3.63	54.00	14.93	111	0	Horizontal
4	10360.0	49.79	-3.63	74.00	24.21	106	240	Horizontal
5	15540.0	52.54	0.46	74.00	21.46	122	138	Horizontal
6	15540.0	41.61	0.46	54.00	12.39	242	342	Horizontal
7	17955.9	47.08	1.71	54.00	6.92	136	188	Horizontal

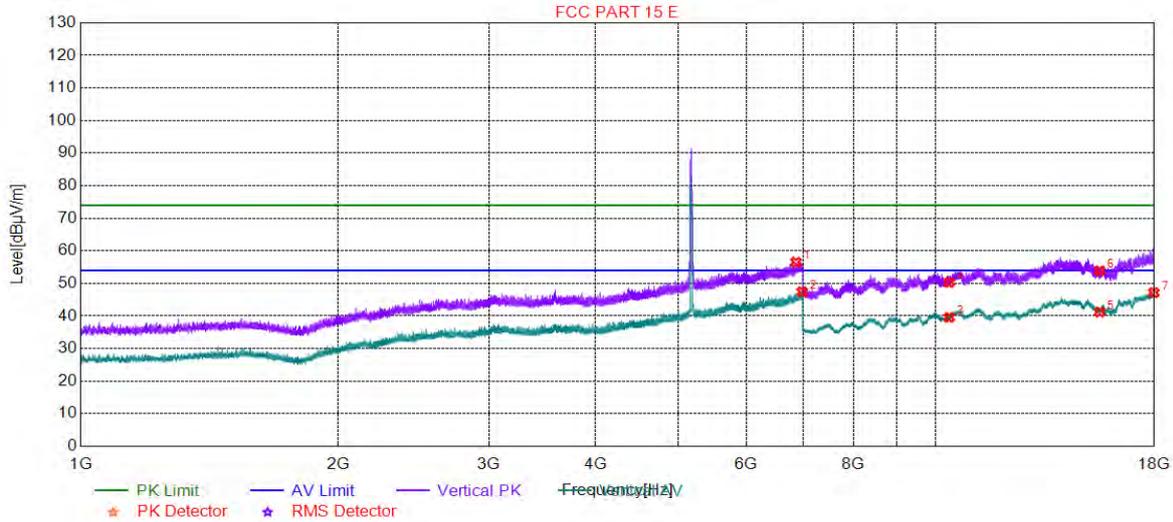


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**4.9.2.26 802.11N20\_Channel 36**



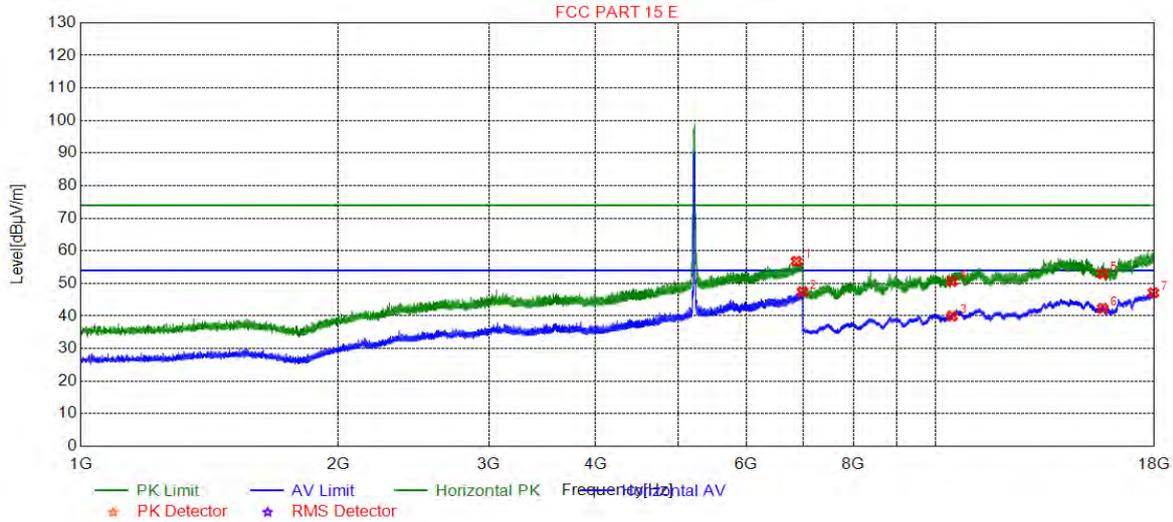
**Suspected List**

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6859.59	56.53	20.87	74.00	17.47	251	69	Vertical
2	6974.19	47.43	21.26	54.00	6.57	182	320	Vertical
3	10360.0	39.57	-3.63	54.00	14.43	230	171	Vertical
4	10360.0	50.26	-3.63	74.00	23.74	180	360	Vertical
5	15540.0	41.21	0.46	54.00	12.79	274	271	Vertical
6	15540.0	53.88	0.46	74.00	20.12	261	68	Vertical
7	17972.4	47.17	1.71	54.00	6.83	262	18	Vertical



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**4.9.2.27 802.11N20\_Channel 44**

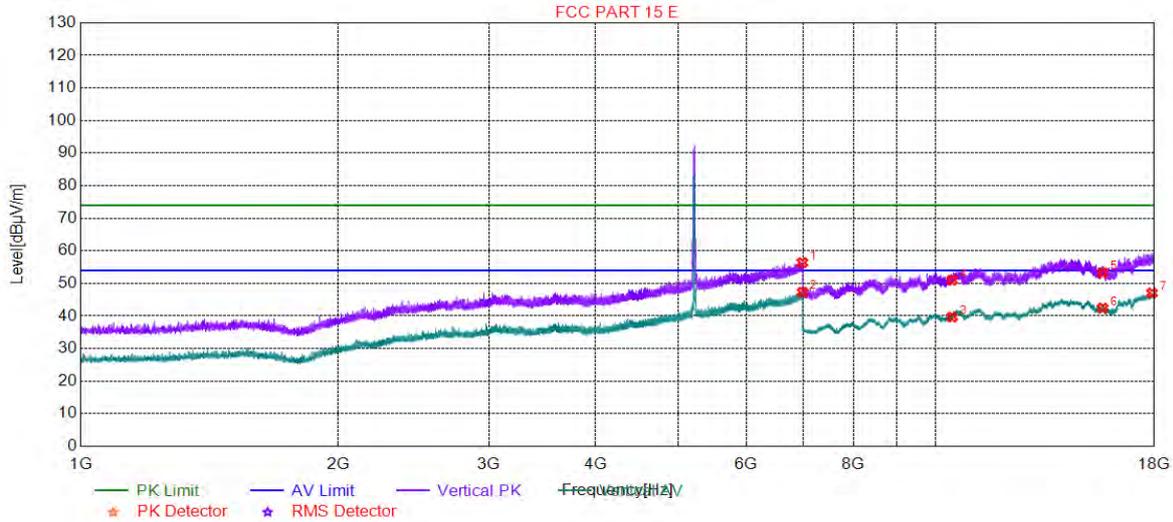


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6867.09	56.81	20.86	74.00	17.19	136	141	Horizontal
2	6979.89	47.50	21.26	54.00	6.50	116	40	Horizontal
3	10440.0	39.95	-3.24	54.00	14.05	222	239	Horizontal
4	10440.0	50.63	-3.24	74.00	23.37	150	239	Horizontal
5	15660.0	52.96	0.43	74.00	21.04	126	87	Horizontal
6	15660.0	42.37	0.43	54.00	11.63	151	87	Horizontal
7	17949.9	47.15	1.70	54.00	6.85	103	239	Horizontal



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**4.9.2.28 802.11N20\_Channel 44**

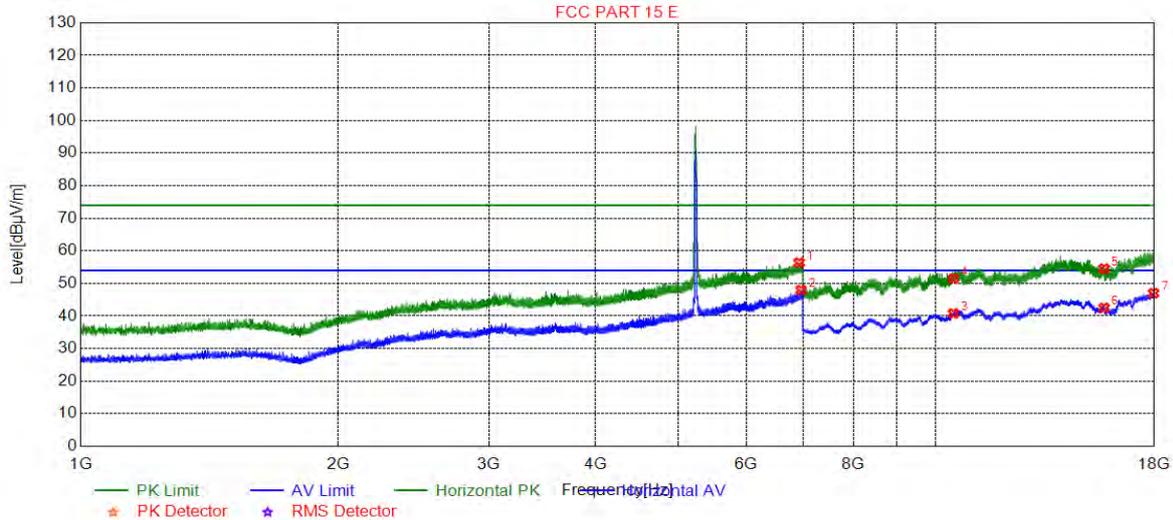


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6977.79	56.40	21.26	74.00	17.60	159	360	Vertical
2	6981.99	47.30	21.26	54.00	6.70	150	119	Vertical
3	10440.0	39.68	-3.24	54.00	14.32	192	18	Vertical
4	10440.0	51.01	-3.24	74.00	22.99	278	18	Vertical
5	15660.0	53.29	0.43	74.00	20.71	239	117	Vertical
6	15660.0	42.43	0.43	54.00	11.57	177	167	Vertical
7	17882.2	47.05	1.46	54.00	6.95	228	316	Vertical



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**4.9.2.29 802.11N20\_Channel 48**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6915.99	56.38	20.95	74.00	17.62	160	291	Horizontal
2	6953.49	47.99	21.26	54.00	6.01	146	0	Horizontal
3	10480.0	40.80	-2.94	54.00	13.20	183	91	Horizontal
4	10480.0	51.47	-2.94	74.00	22.53	244	91	Horizontal
5	15720.0	54.56	0.29	74.00	19.44	224	91	Horizontal
6	15720.0	42.52	0.29	54.00	11.48	117	40	Horizontal
7	17955.9	47.00	1.71	54.00	7.00	107	0	Horizontal

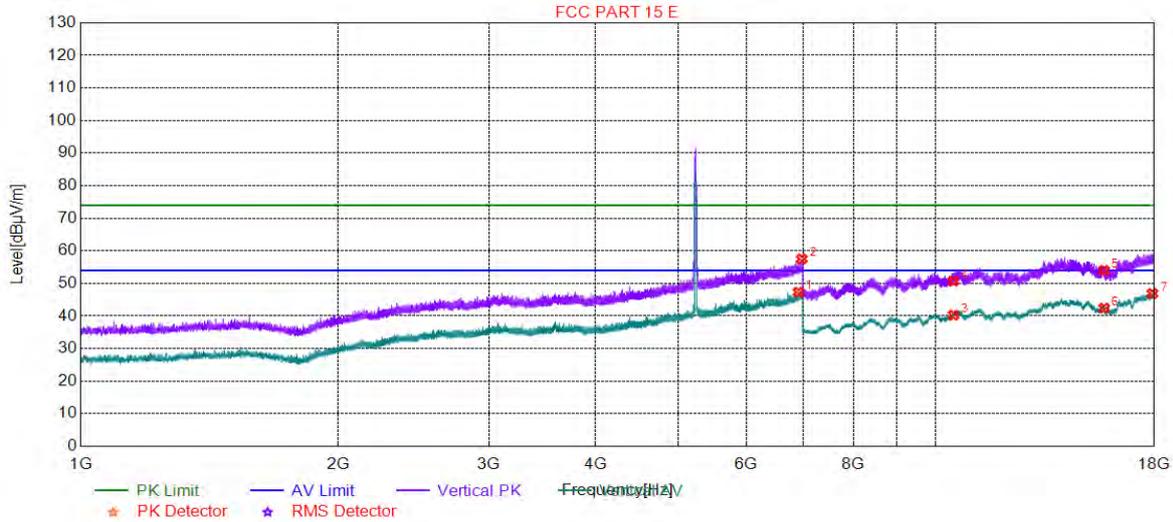


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**4.9.2.30 802.11N20\_Channel 48**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6903.99	47.33	20.85	54.00	6.67	299	69	Vertical
2	6966.39	57.54	21.26	74.00	16.46	188	220	Vertical
3	10480.0	40.27	-2.94	54.00	13.73	154	18	Vertical
4	10480.0	50.72	-2.94	74.00	23.28	196	360	Vertical
5	15720.0	54.01	0.29	74.00	19.99	228	360	Vertical
6	15720.0	42.44	0.29	54.00	11.56	151	68	Vertical
7	17908.1	46.92	1.69	54.00	7.08	296	269	Vertical

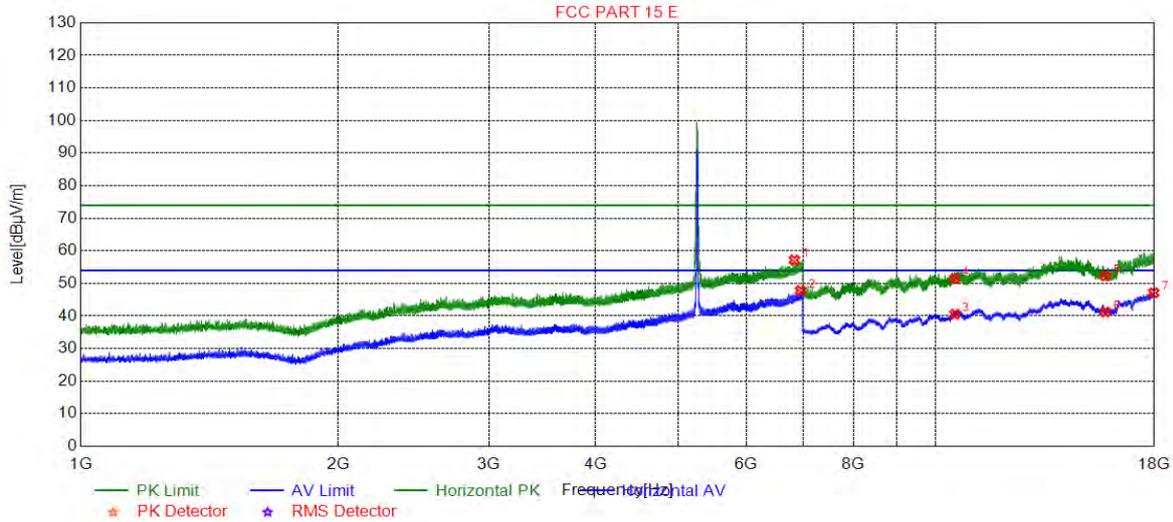


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**4.9.2.31 802.11N20\_Channel 52**

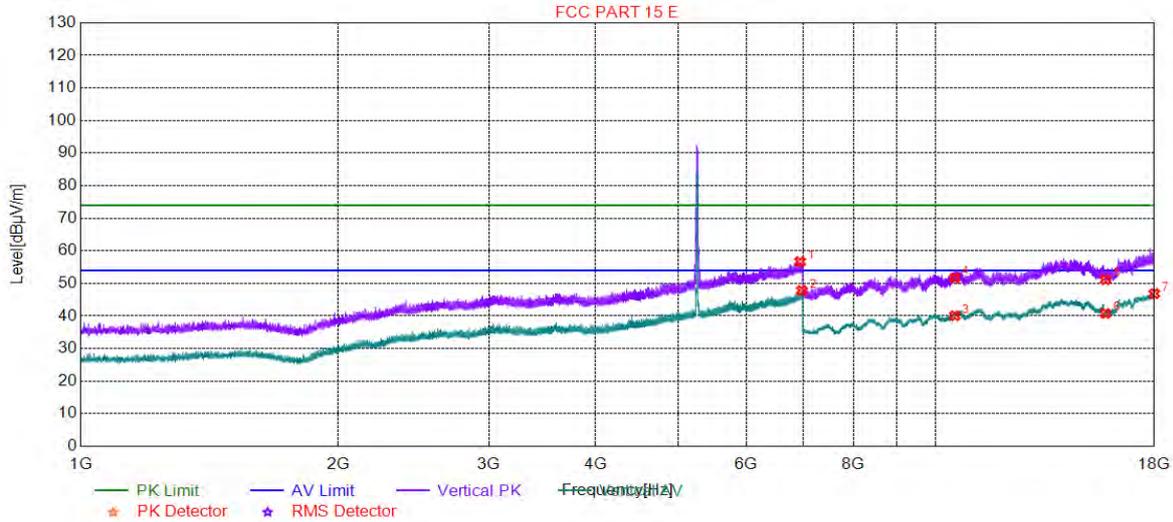


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6829.59	57.17	20.69	74.00	16.83	169	139	Horizontal
2	6944.49	47.79	21.21	54.00	6.21	108	190	Horizontal
3	10520.0	40.54	-2.80	54.00	13.46	110	287	Horizontal
4	10520.0	51.47	-2.80	74.00	22.53	176	287	Horizontal
5	15780.0	52.29	-0.72	74.00	21.71	135	35	Horizontal
6	15780.0	41.24	-0.72	54.00	12.76	246	135	Horizontal
7	17963.1	47.11	1.71	54.00	6.89	138	35	Horizontal



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**4.9.2.32 802.11N20\_Channel 52**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6936.39	56.66	21.13	74.00	17.34	195	360	Vertical
2	6966.99	47.81	21.26	54.00	6.19	187	120	Vertical
3	10520.0	40.09	-2.80	54.00	13.91	291	273	Vertical
4	10520.0	51.73	-2.80	74.00	22.27	221	273	Vertical
5	15780.0	51.17	-0.72	74.00	22.83	151	222	Vertical
6	15780.0	40.79	-0.72	54.00	13.21	294	70	Vertical
7	17994.4	46.86	1.72	54.00	7.14	173	120	Vertical

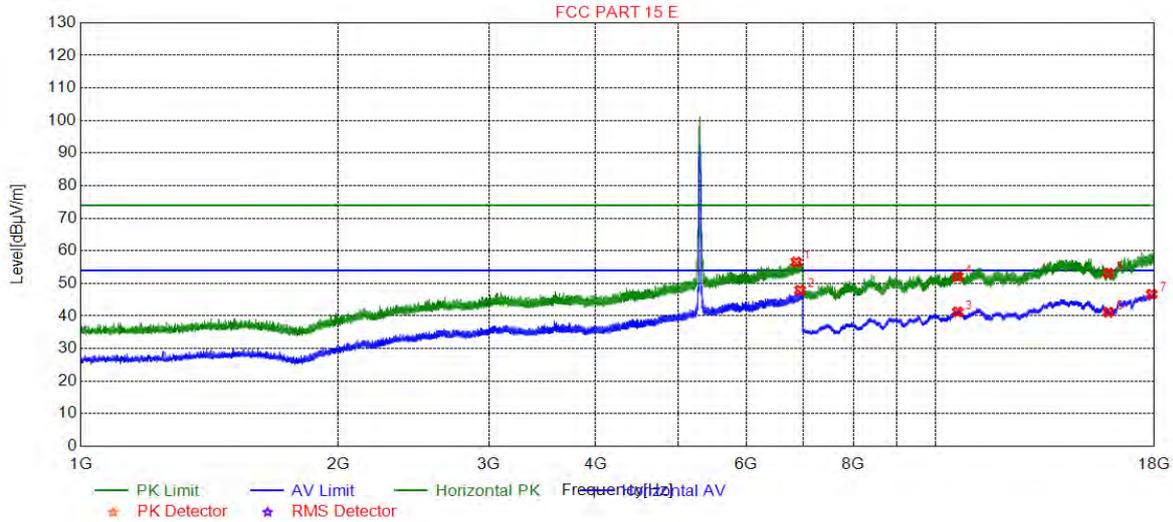


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**4.9.2.33 802.11N20\_Channel 60**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6864.09	56.56	20.86	74.00	17.44	205	40	Horizontal
2	6933.69	47.95	21.11	54.00	6.05	102	242	Horizontal
3	10600.0	41.25	-2.86	54.00	12.75	150	240	Horizontal
4	10600.0	52.14	-2.86	74.00	21.86	157	240	Horizontal
5	15900.0	53.15	-0.51	74.00	20.85	116	291	Horizontal
6	15900.0	41.17	-0.51	54.00	12.83	200	240	Horizontal
7	17872.9	46.71	1.33	54.00	7.29	157	342	Horizontal

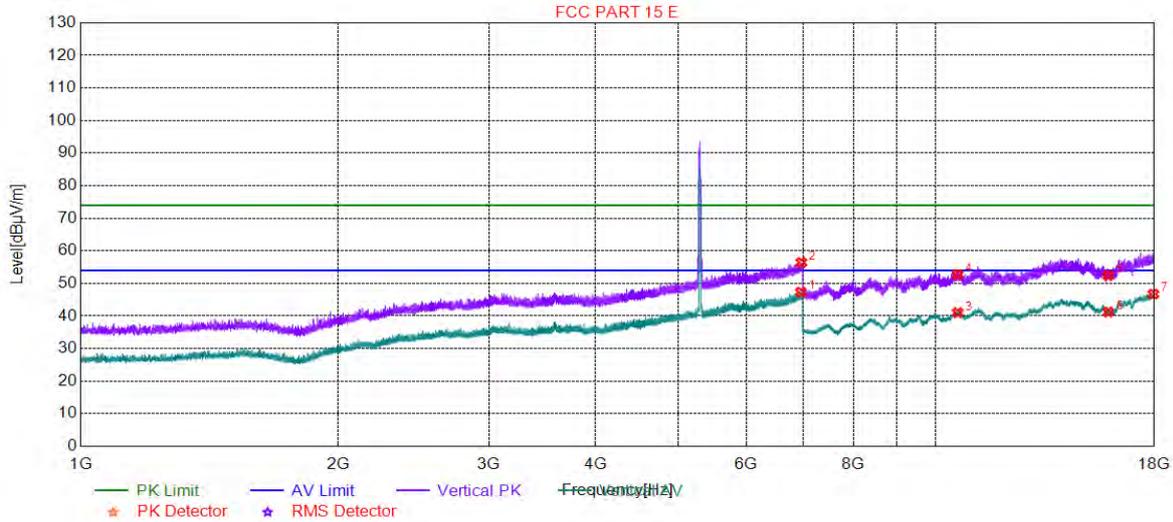


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**4.9.2.34 802.11N20\_Channel 60**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6951.09	47.34	21.26	54.00	6.66	201	321	Vertical
2	6958.59	56.43	21.26	74.00	17.57	254	270	Vertical
3	10600.0	41.01	-2.86	54.00	12.99	266	360	Vertical
4	10600.0	52.73	-2.86	74.00	21.27	287	68	Vertical
5	15900.0	52.42	-0.51	74.00	21.58	248	219	Vertical
6	15900.0	41.19	-0.51	54.00	12.81	167	319	Vertical
7	17951.5	46.73	1.71	54.00	7.27	295	319	Vertical

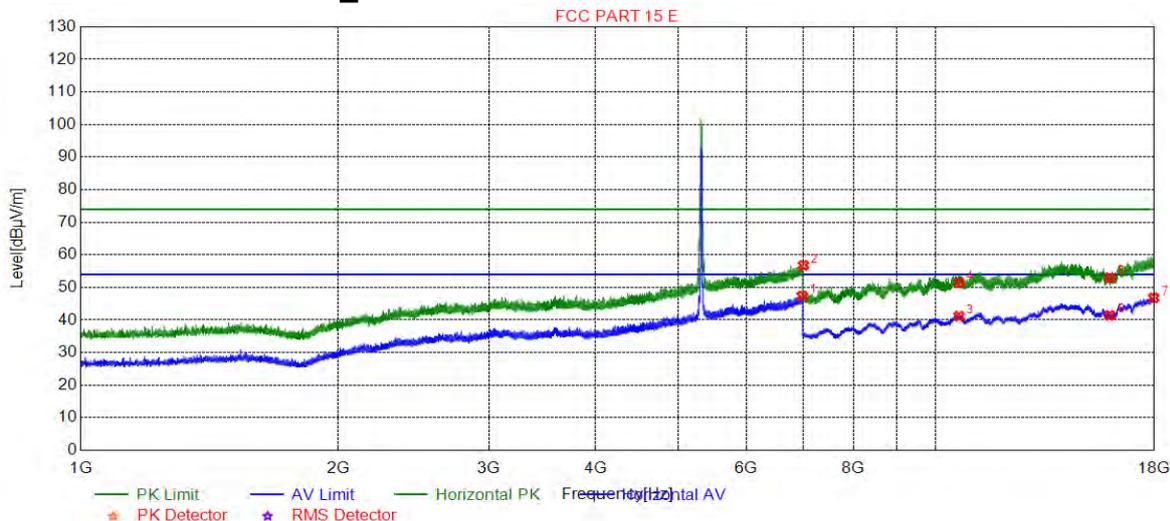


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**4.9.2.35 802.11N20\_Channel 64**



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6974.49	47.40	21.26	54.00	6.60	237	39	Horizontal
2	6997.59	56.76	21.27	74.00	17.24	248	291	Horizontal
3	10640.0	41.16	-2.84	54.00	12.84	122	141	Horizontal
4	10640.0	51.44	-2.84	74.00	22.56	114	191	Horizontal
5	15960.0	52.97	-0.61	74.00	21.03	140	292	Horizontal
6	15960.0	41.44	-0.61	54.00	12.56	147	41	Horizontal
7	17964.7	46.82	1.71	54.00	7.18	249	41	Horizontal



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