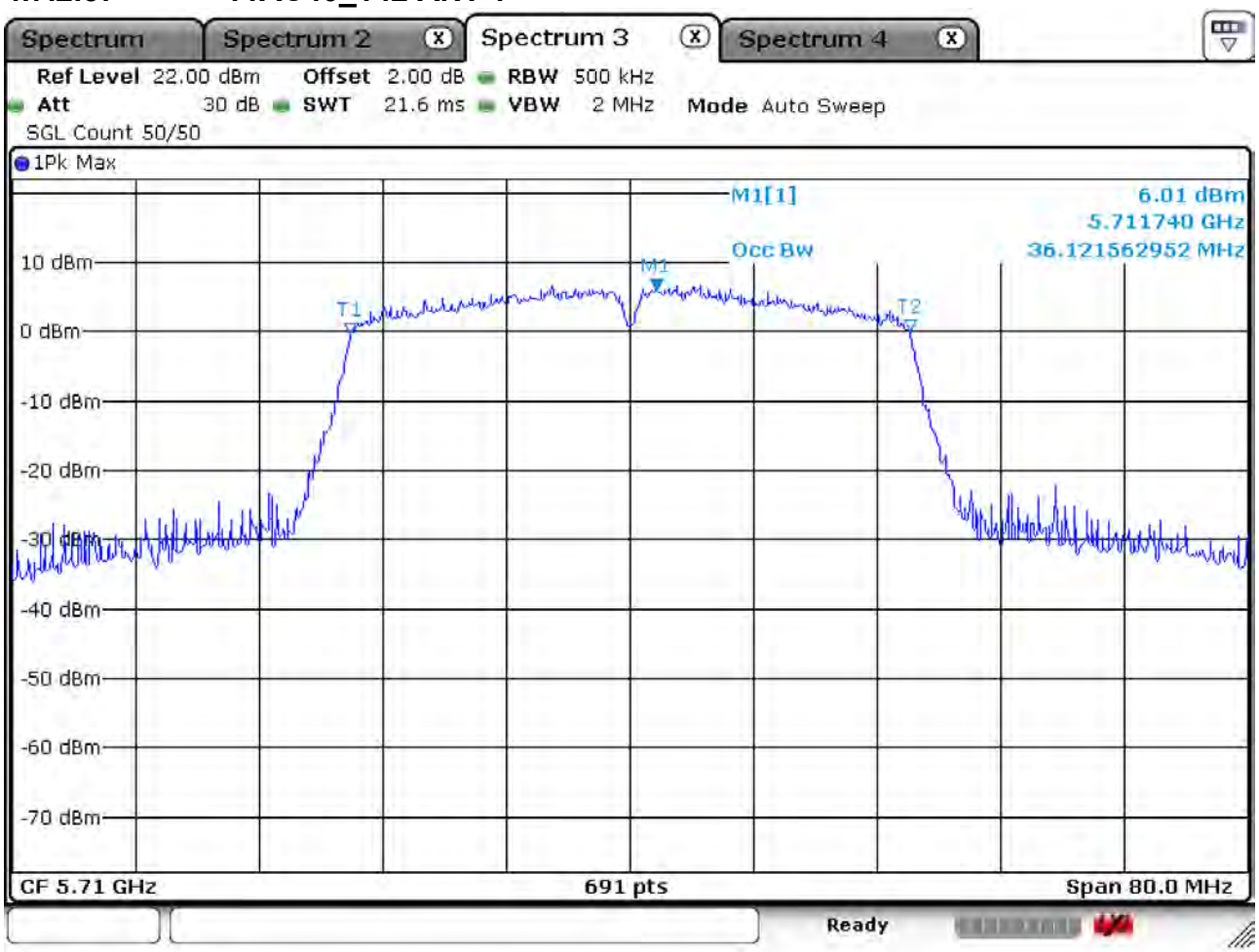
4.7.2.57 11AC40_142 ANT 1



Date: 21.OCT.2020 10:34:14

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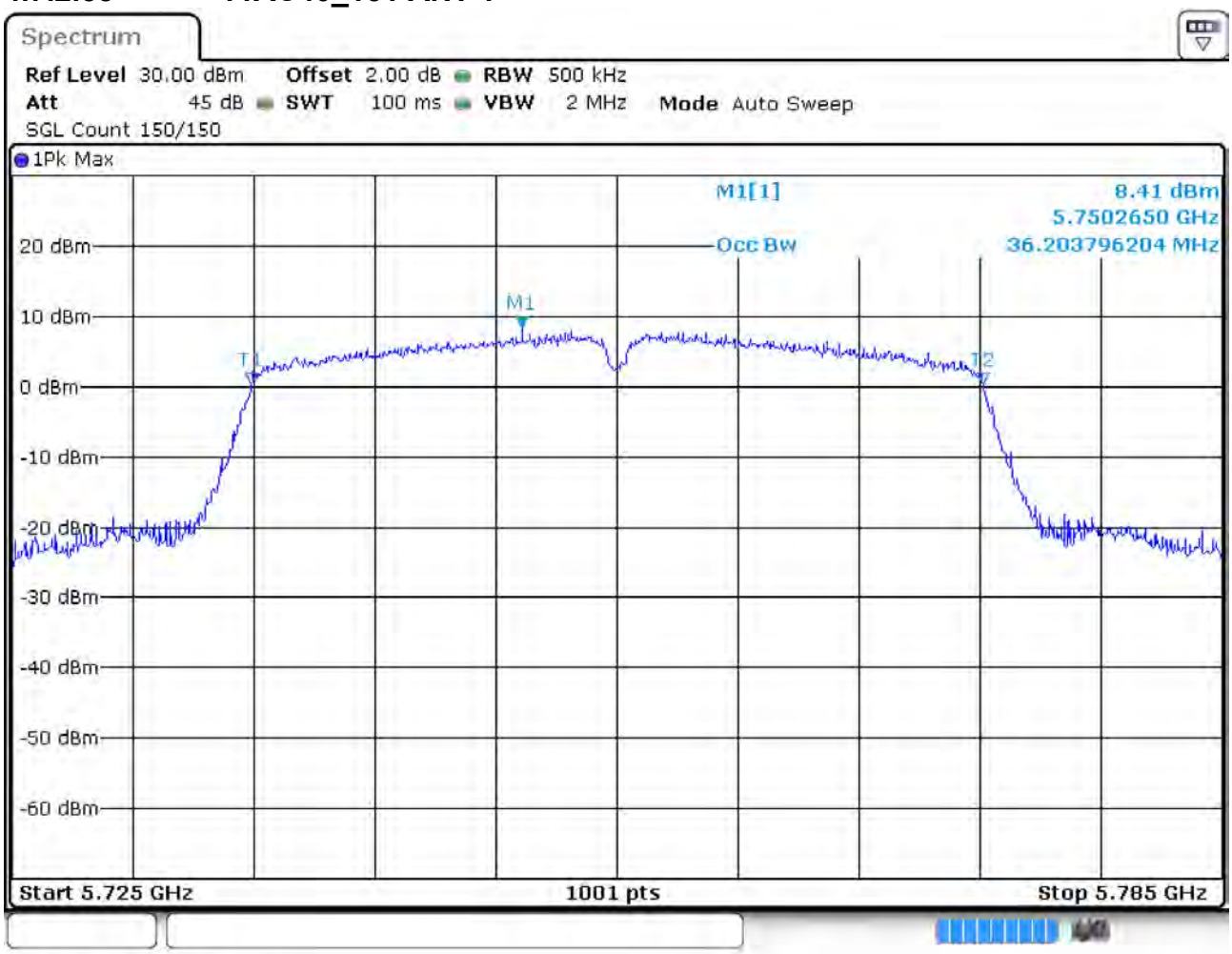
4.7.2.58 11AC40_151 ANT 1



Date: 18.SEP.2020 16:39:27

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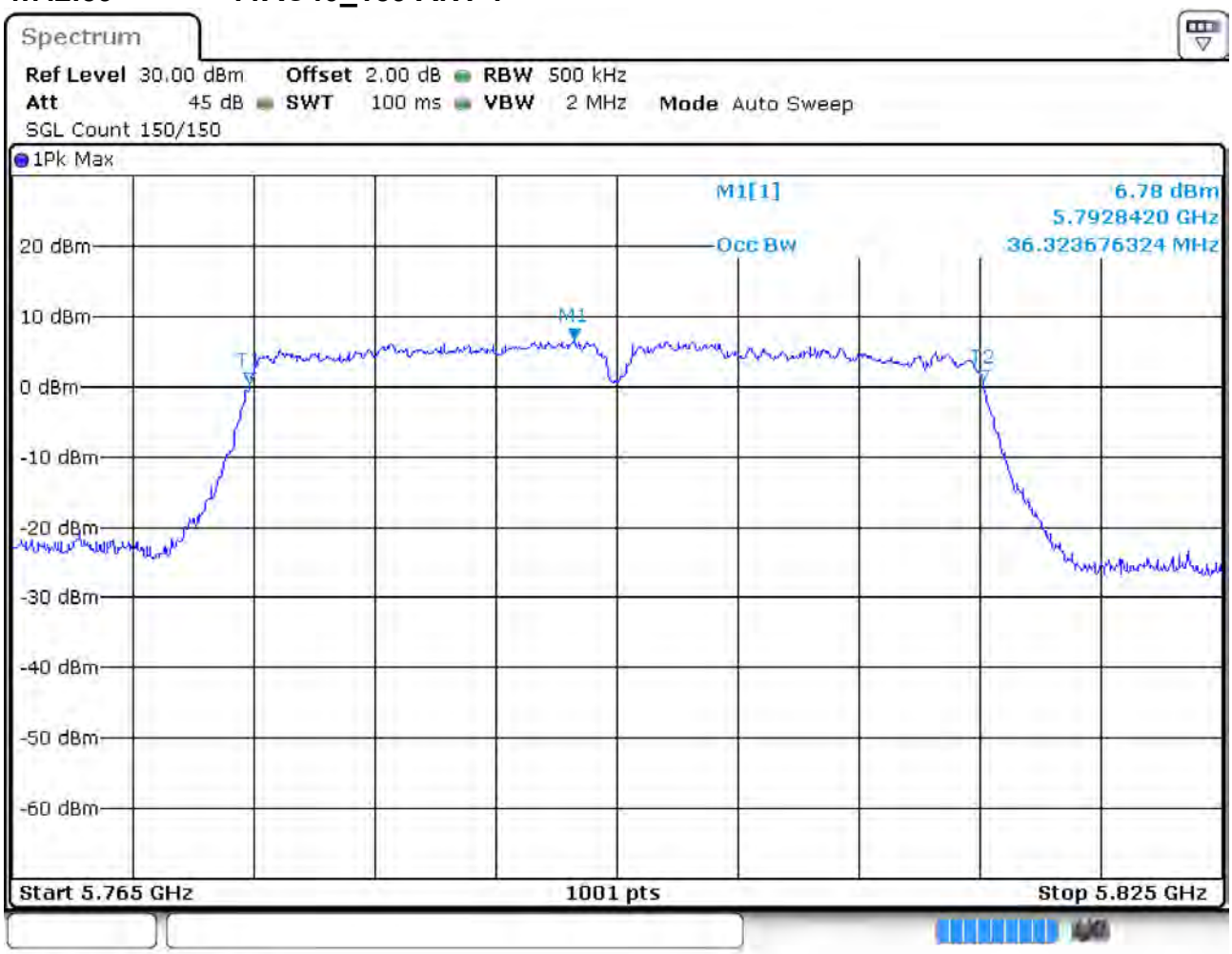
4.7.2.59 11AC40_159 ANT 1



Date: 29.SEP.2020 19:09:15

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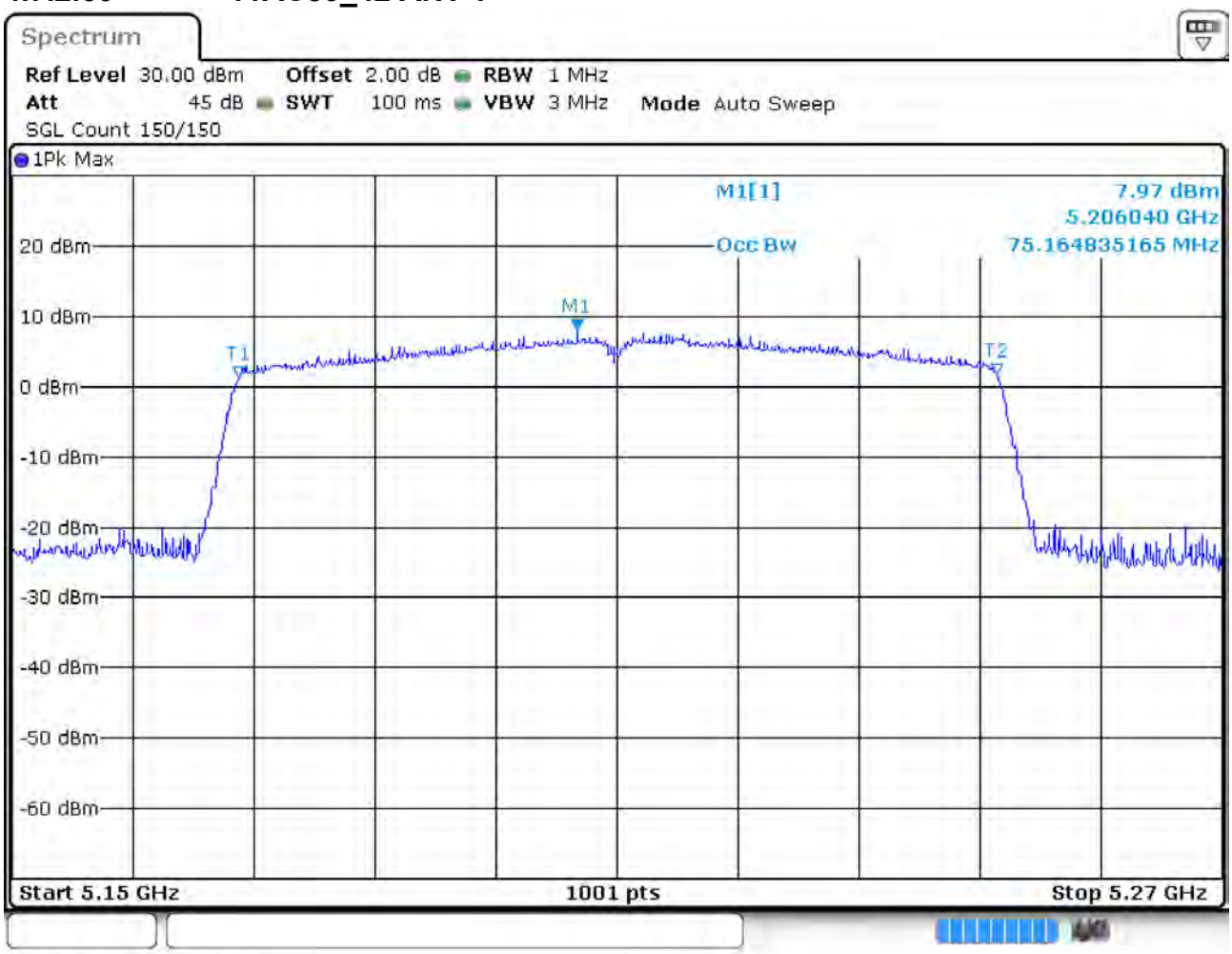
4.7.2.60 11AC80_42 ANT 1



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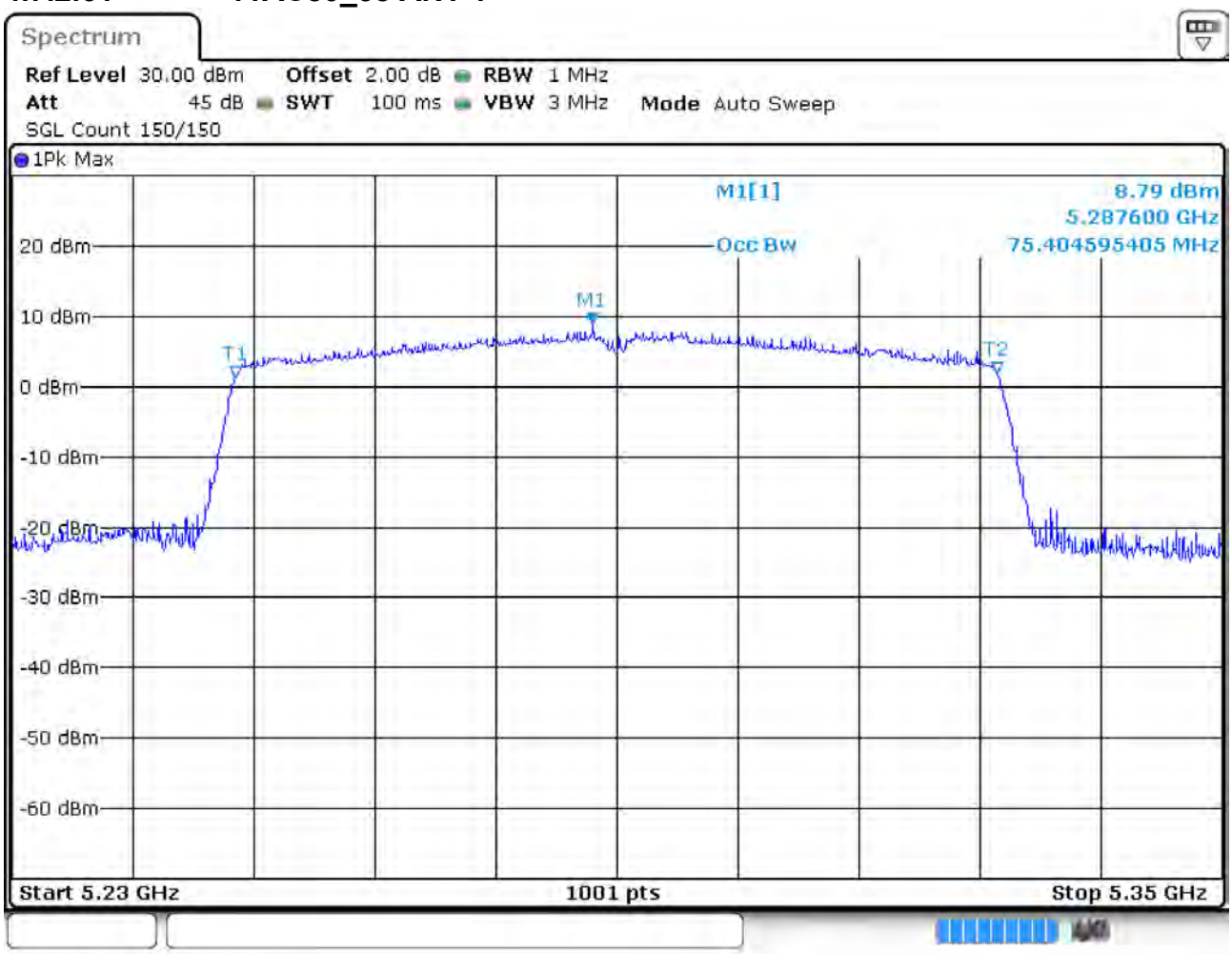
4.7.2.61 11AC80_58 ANT 1



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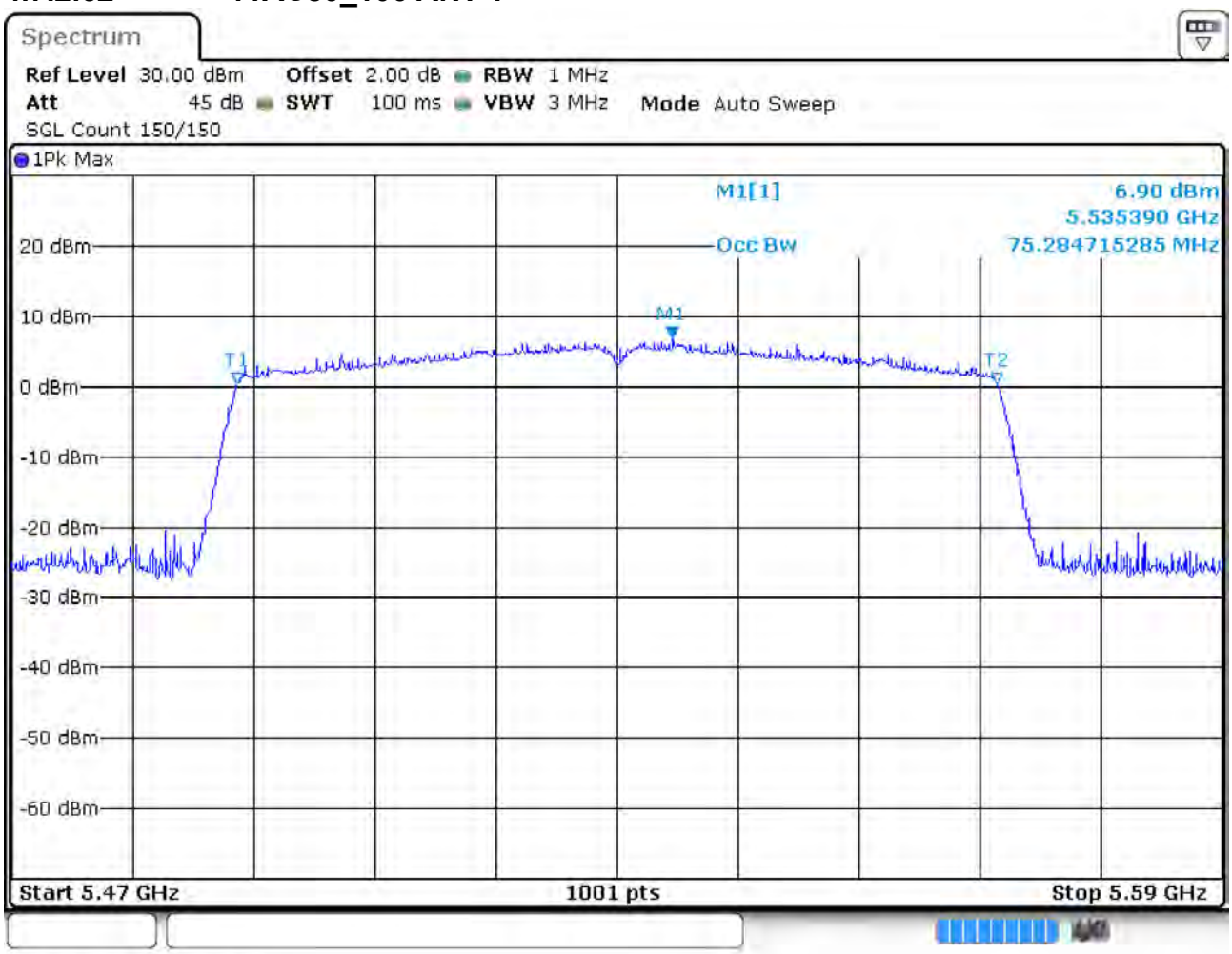
4.7.2.62 11AC80_106 ANT 1



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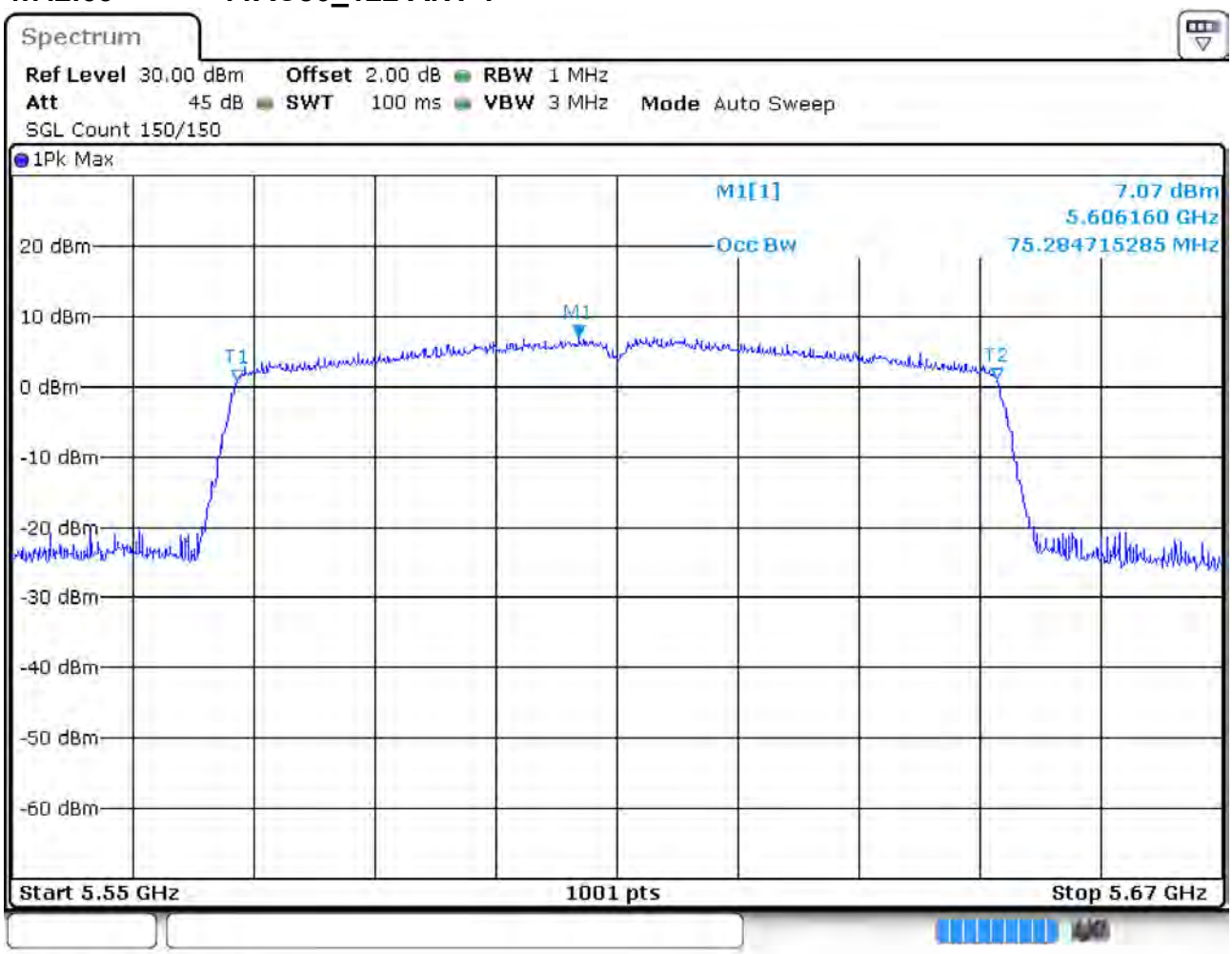
4.7.2.63 11AC80_122 ANT 1



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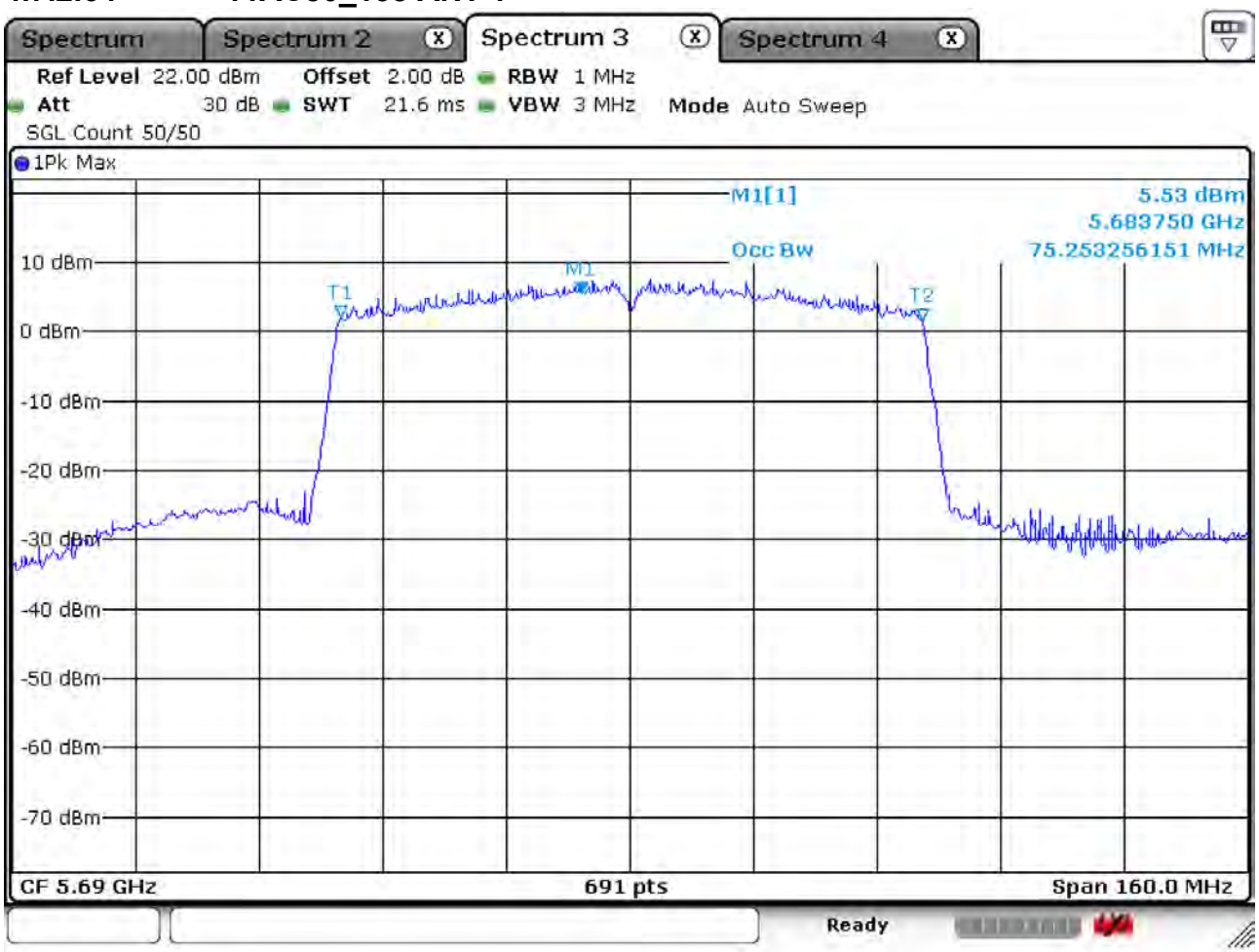
4.7.2.64 11AC80_138 ANT 1



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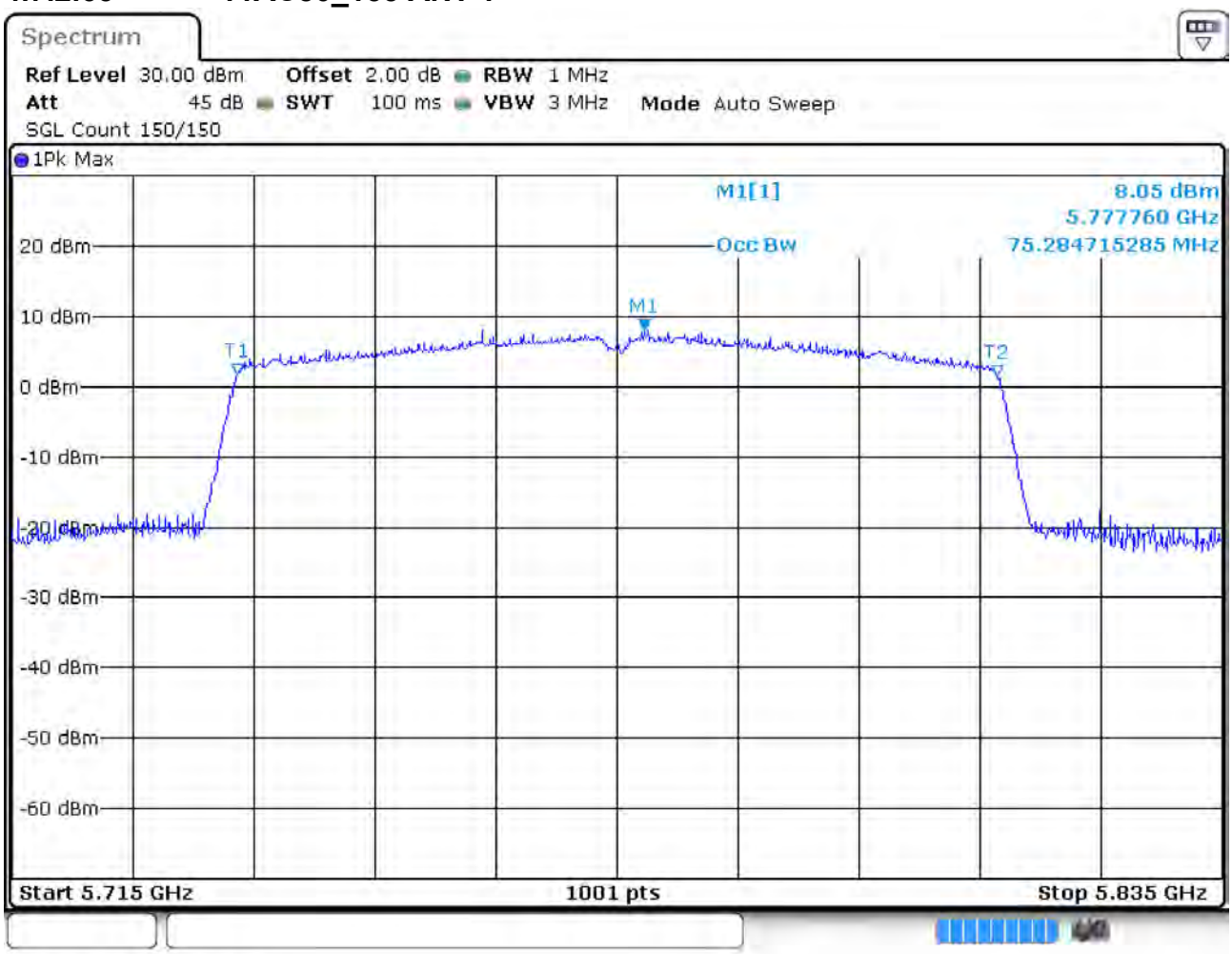
4.7.2.65 11AC80_155 ANT 1



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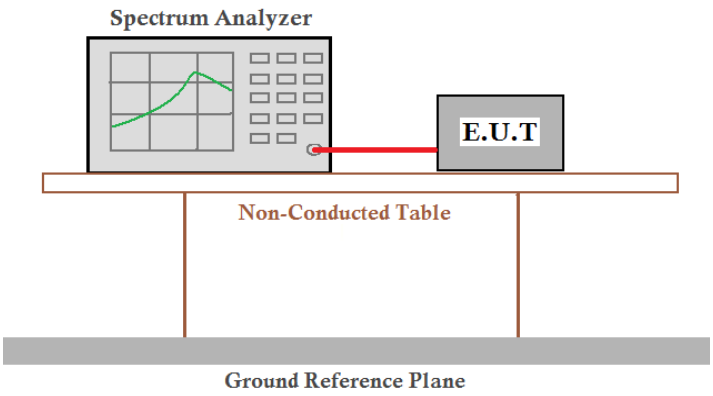
4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013 KDB 789033 D02 v02r01, Section F.	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
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). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than <30dBm/500KHz
Test Results:	Pass	

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4.8.1 Test Results For Power Density

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Corr'd. Level (Cond.) [dBm/1MHz(For UNII Band I/II)/500KHz(For UNII Band III)]	Verdict
11A20	36	5180	ANT 1	7.25	PASS
	44	5220	ANT 1	7.07	PASS
	48	5240	ANT 1	7.02	PASS
	52	5260	ANT 1	7.02	PASS
	60	5300	ANT 1	7.12	PASS
	64	5320	ANT 1	6.97	PASS
	100	5500	ANT 1	3.53	PASS
	116	5580	ANT 1	3.45	PASS
	140	5700	ANT 1	3.73	PASS
	144(BandII-C)	5720	ANT 1	5.21	PASS
	144(BandIII)	5720	ANT 1	0.62	PASS
	149	5745	ANT 1	4.40	PASS
	157	5785	ANT 1	4.40	PASS
	165	5825	ANT 1	4.43	PASS
11N20	36	5180	ANT 1	6.06	PASS
	44	5220	ANT 1	5.72	PASS
	48	5240	ANT 1	5.71	PASS
	52	5260	ANT 1	5.76	PASS
	60	5300	ANT 1	5.73	PASS
	64	5320	ANT 1	5.69	PASS
	100	5500	ANT 1	2.19	PASS
	116	5580	ANT 1	2.19	PASS
	140	5700	ANT 1	2.22	PASS
	144(BandII-C)	5720	ANT 1	3.93	PASS
	144(BandIII)	5720	ANT 1	-0.56	PASS
	149	5745	ANT 1	3.11	PASS
	157	5785	ANT 1	3.21	PASS
	165	5825	ANT 1	3.17	PASS

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11N40	38	5190	ANT 1	2.38	PASS
	46	5230	ANT 1	1.92	PASS
	54	5270	ANT 1	1.82	PASS
	62	5310	ANT 1	1.89	PASS
	102	5510	ANT 1	0.50	PASS
	110	5550	ANT 1	0.47	PASS
	134	5670	ANT 1	0.51	PASS
	144(BandII-C)	5710	ANT 1	2.27	PASS
	144(BandIII)	5710	ANT 1	-3.59	PASS
	151	5755	ANT 1	-0.68	PASS
	159	5795	ANT 1	-0.59	PASS
11AC20	36	5180	ANT 1	5.57	PASS
	44	5220	ANT 1	5.80	PASS
	48	5240	ANT 1	5.87	PASS
	52	5260	ANT 1	5.82	PASS
	60	5300	ANT 1	5.83	PASS
	64	5320	ANT 1	5.79	PASS
	100	5500	ANT 1	2.28	PASS
	116	5580	ANT 1	2.24	PASS
	140	5700	ANT 1	2.84	PASS
	144(BandII-C)	5720	ANT 1	3.50	PASS
	144(BandIII)	5720	ANT 1	-0.97	PASS
	149	5745	ANT 1	3.30	PASS
	157	5785	ANT 1	3.24	PASS
	165	5825	ANT 1	3.33	PASS
11AC40	38	5190	ANT 1	2.44	PASS
	46	5230	ANT 1	2.04	PASS
	54	5270	ANT 1	1.96	PASS
	62	5310	ANT 1	1.96	PASS
	102	5510	ANT 1	0.58	PASS
	110	5550	ANT 1	0.57	PASS
	134	5670	ANT 1	1.10	PASS

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	144(BandII-C)	5710	ANT 1	2.30	PASS
	144(BandIII)	5710	ANT 1	-4.04	PASS
	151	5755	ANT 1	-0.58	PASS
	159	5795	ANT 1	-3.00	PASS
11AC80	42	5210	ANT 1	-1.57	PASS
	58	5290	ANT 1	-1.14	PASS
	106	5530	ANT 1	-2.47	PASS
	122	5610	ANT 1	-1.96	PASS
	138(BandII-C)	5690	ANT 1	-0.68	PASS
	138(BandIII)	5690	ANT 1	-6.63	PASS
	155	5775	ANT 1	-3.97	PASS

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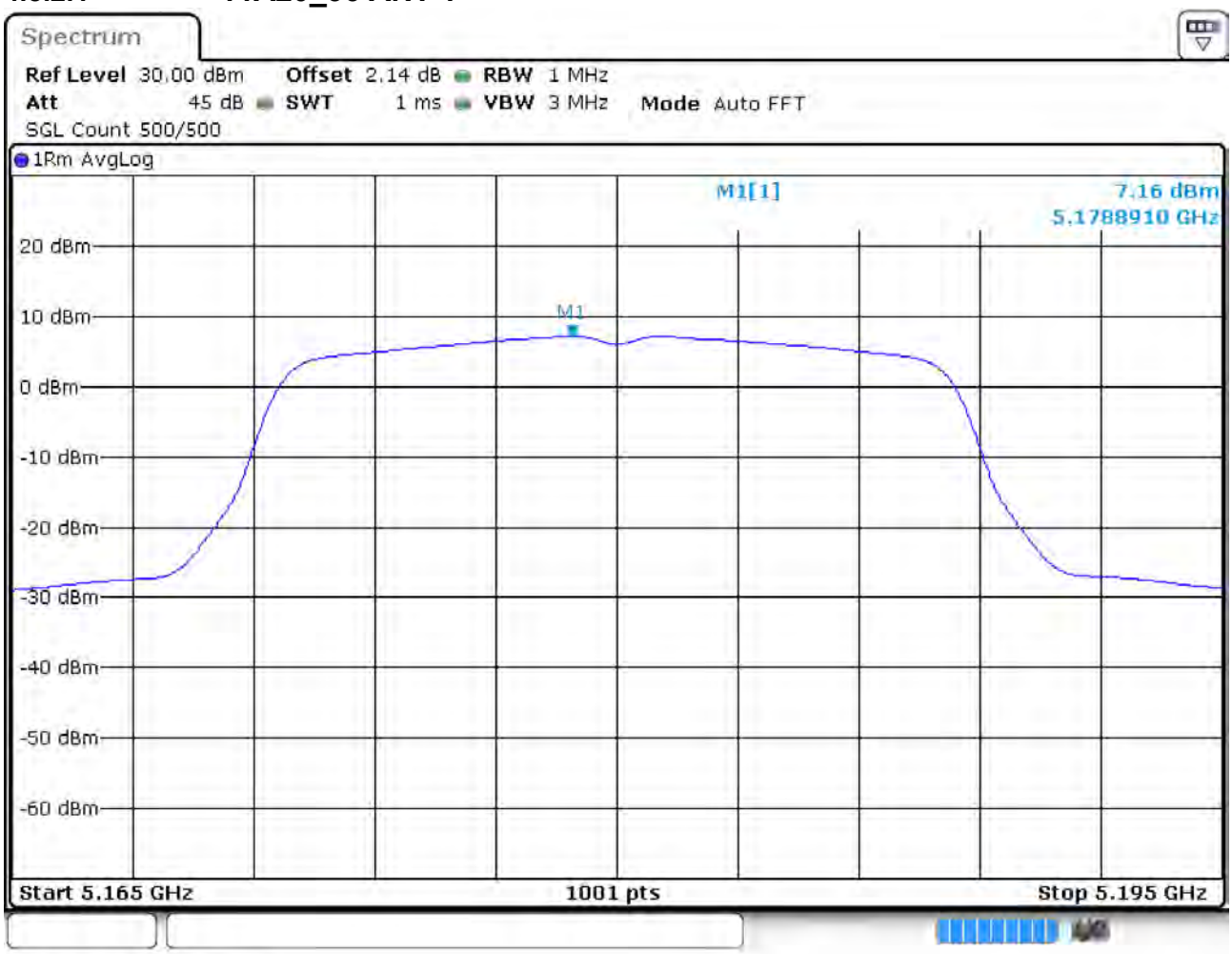
4.8.2 Test plots For Power Density

4.8.2.1 11A20_36 ANT 1



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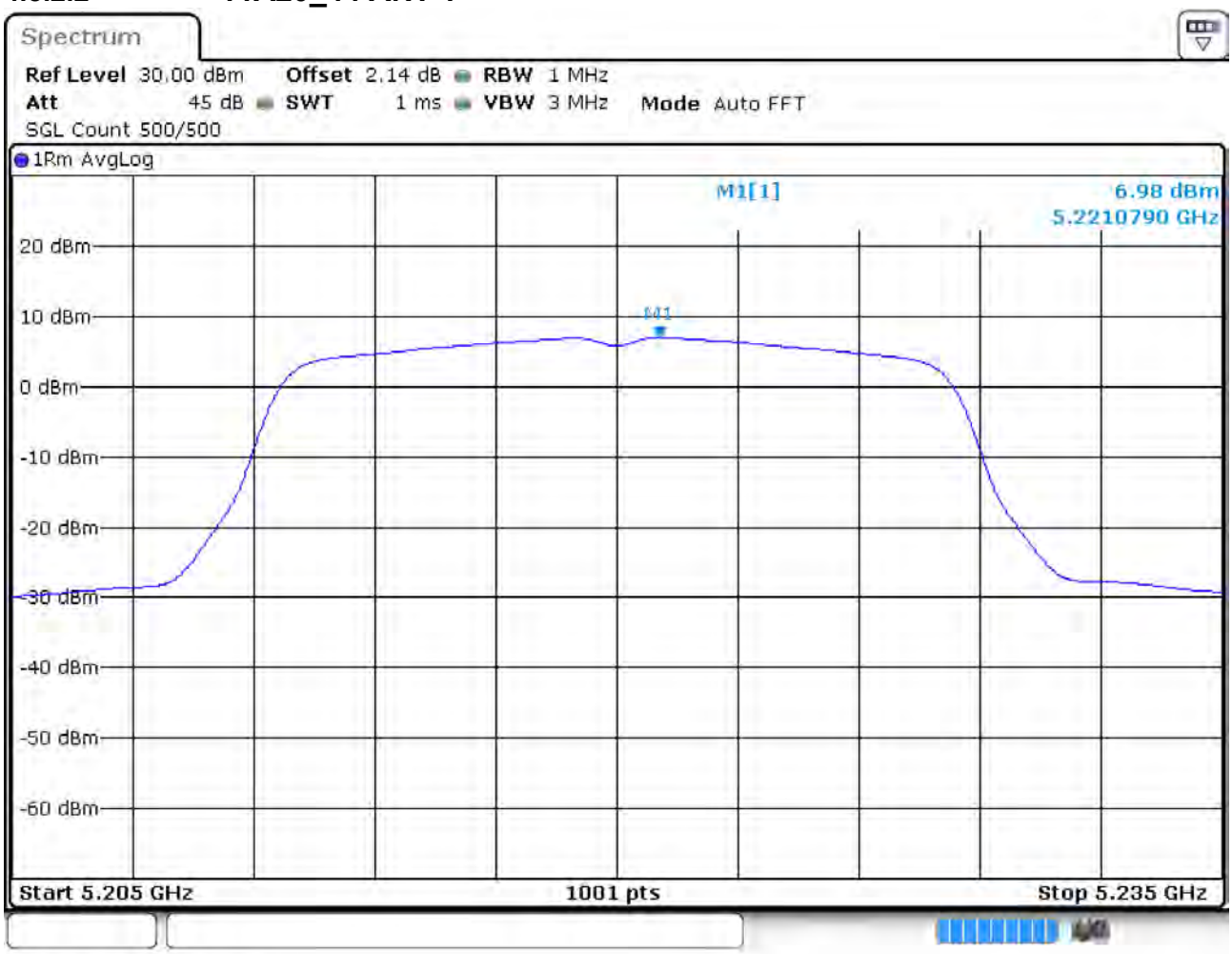
4.8.2.2 11A20_44 ANT 1



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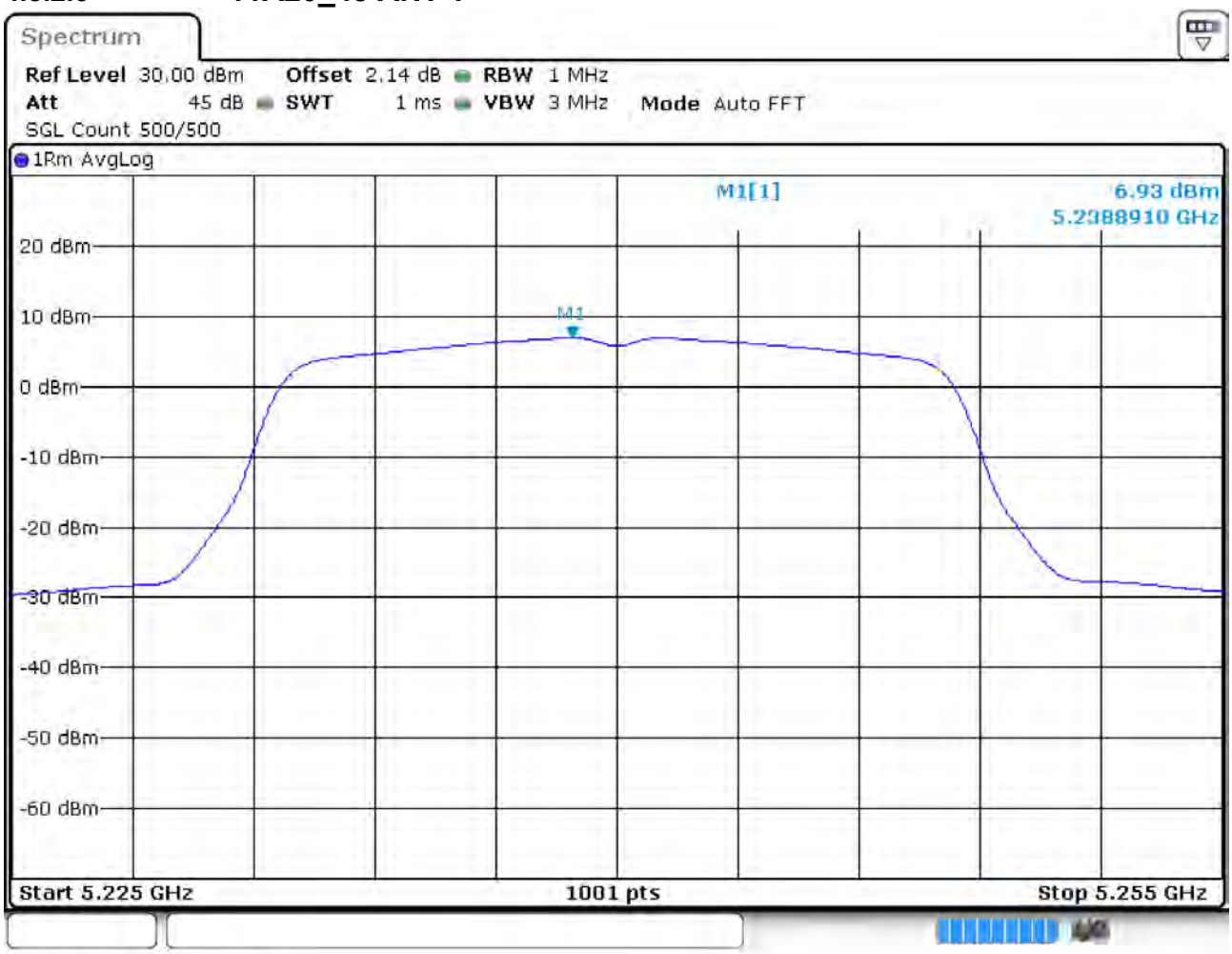
4.8.2.3 11A20_48 ANT 1



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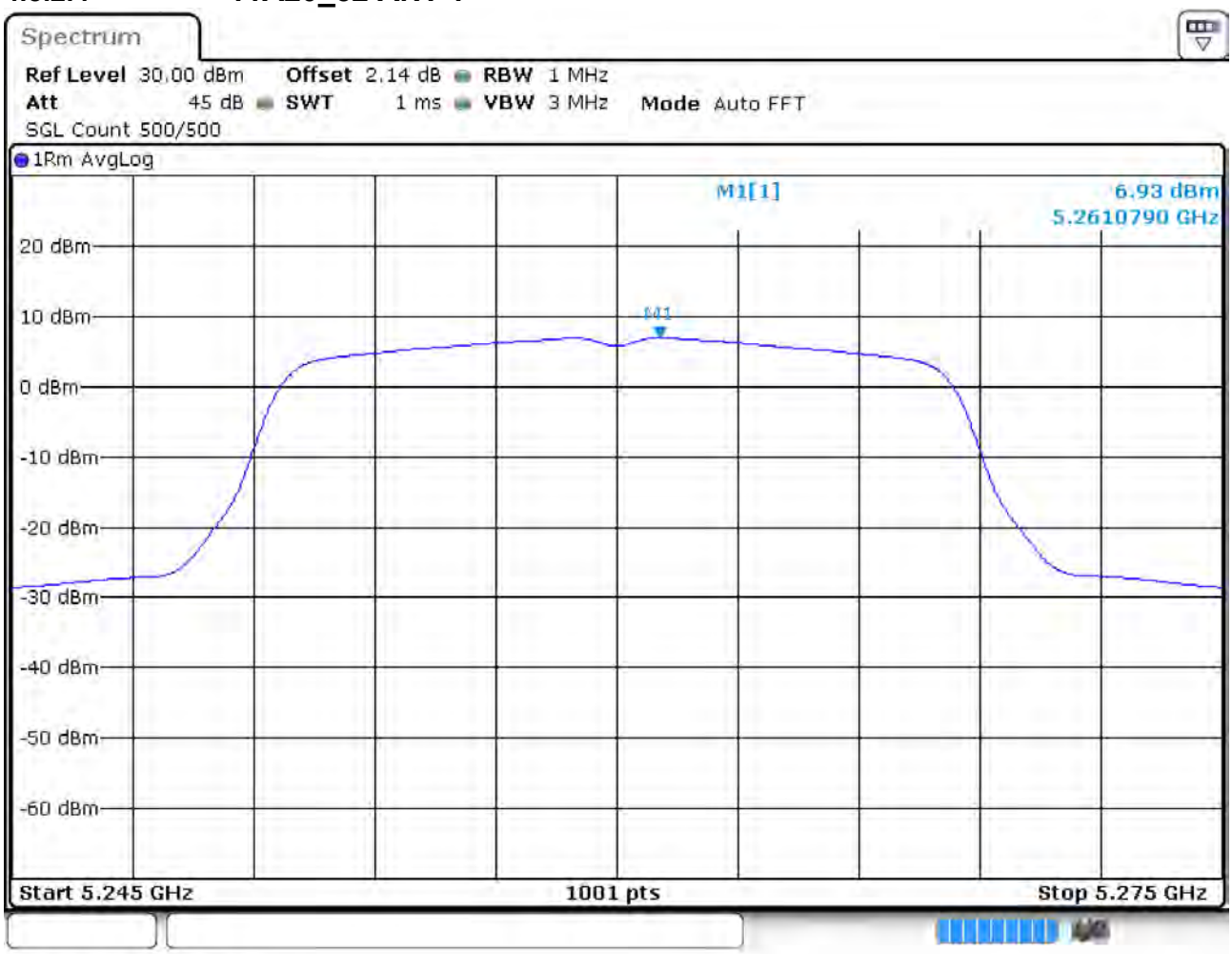
4.8.2.4 11A20_52 ANT 1



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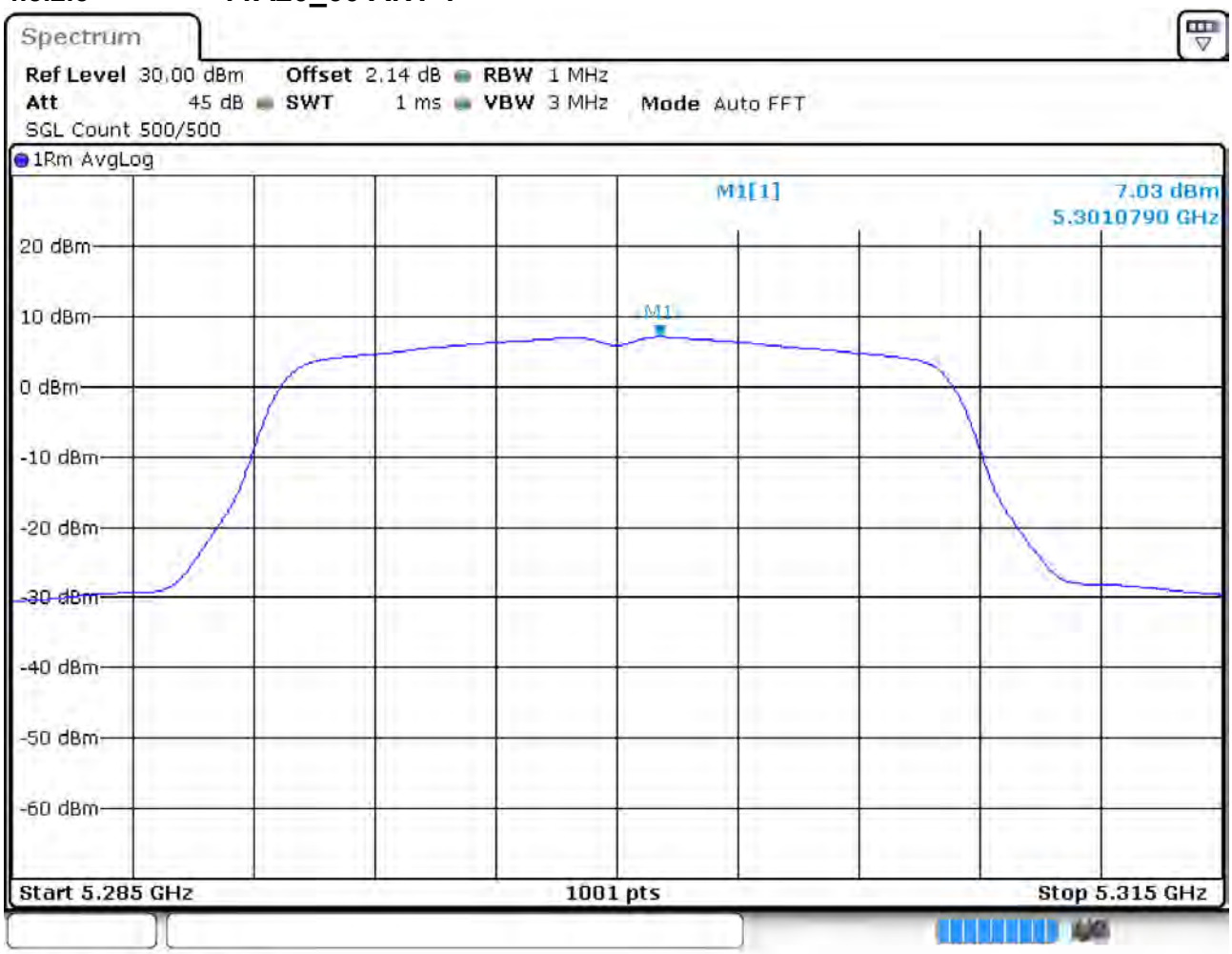
4.8.2.5 11A20_60 ANT 1



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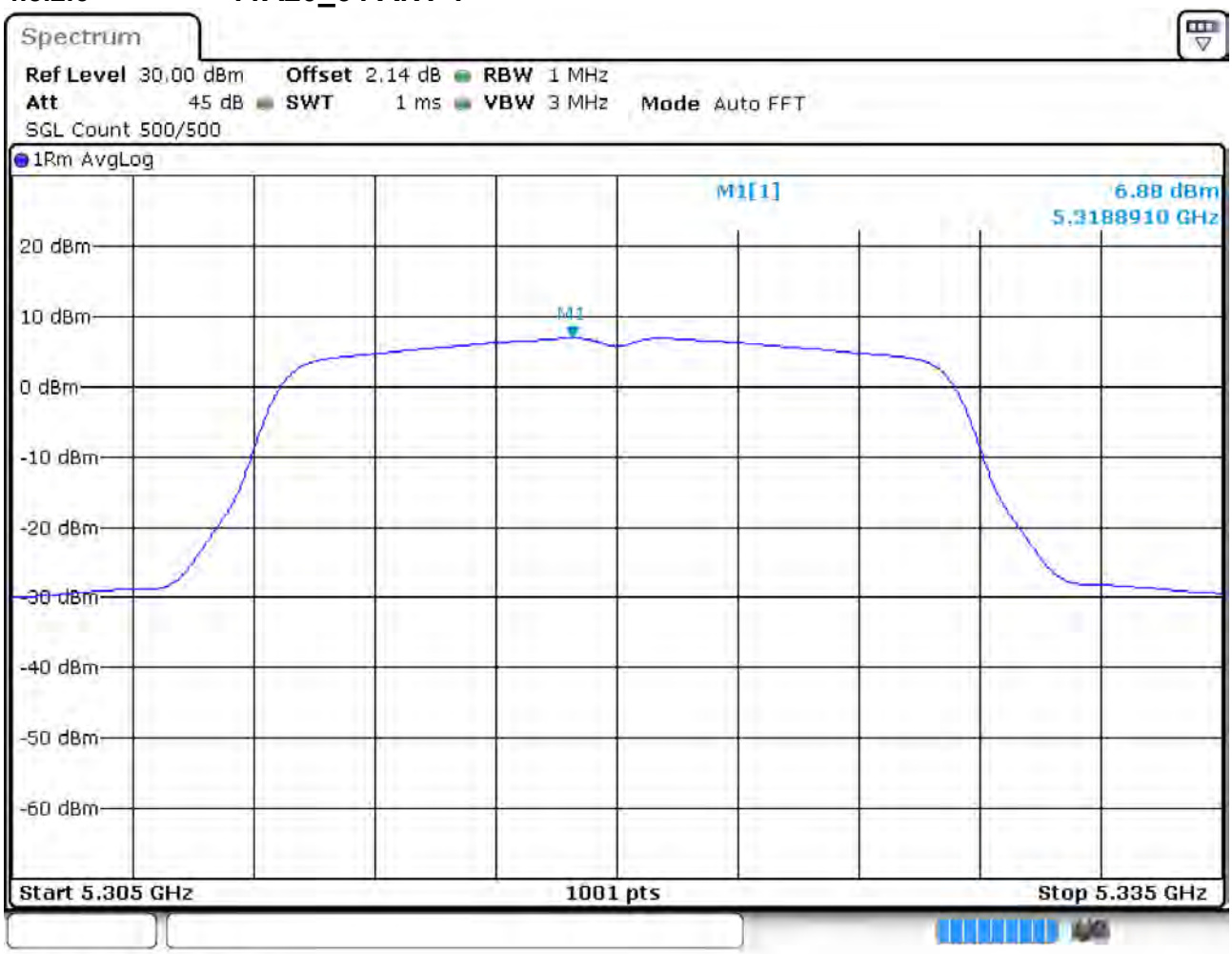
4.8.2.6 11A20_64 ANT 1



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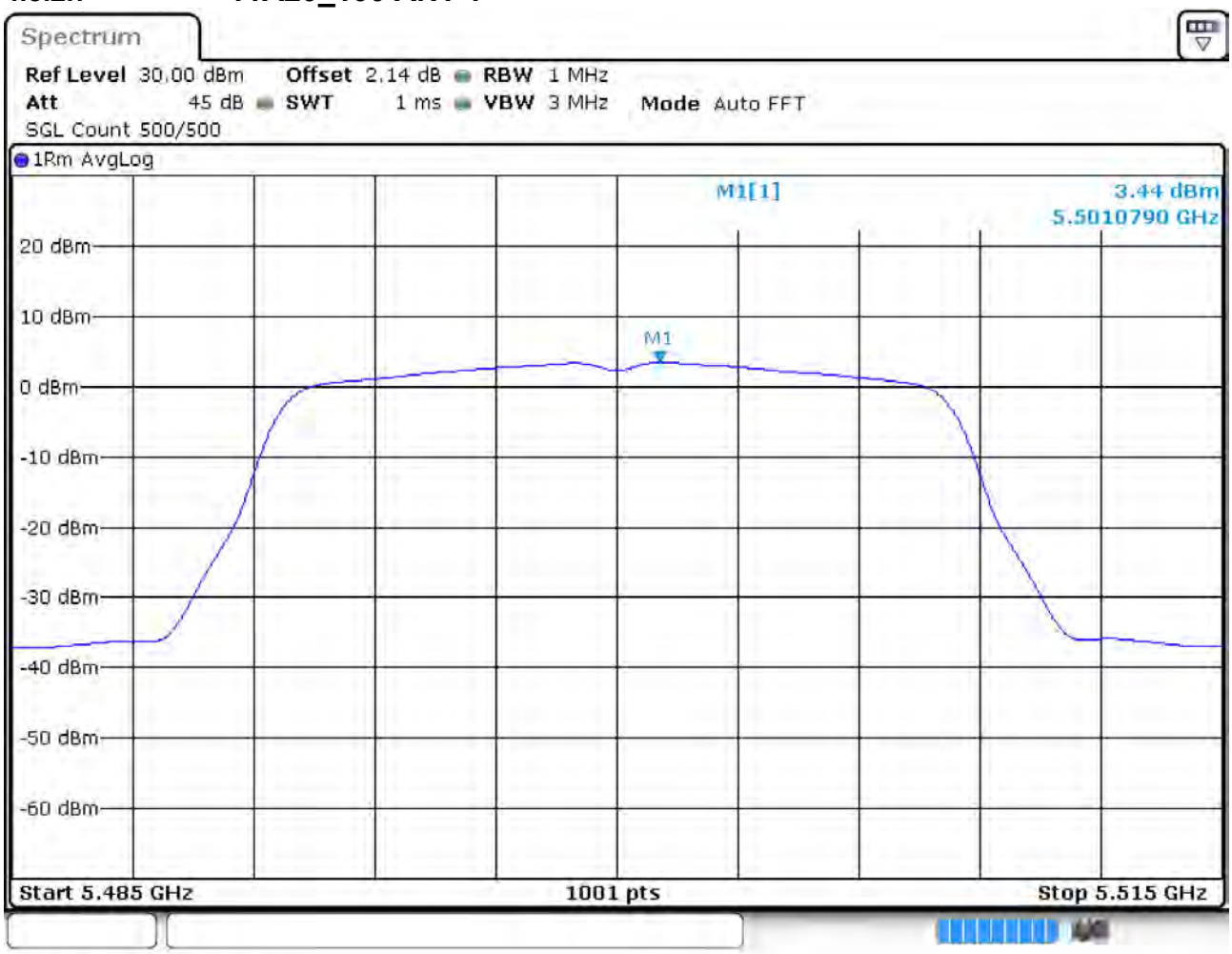
4.8.2.7 11A20_100 ANT 1



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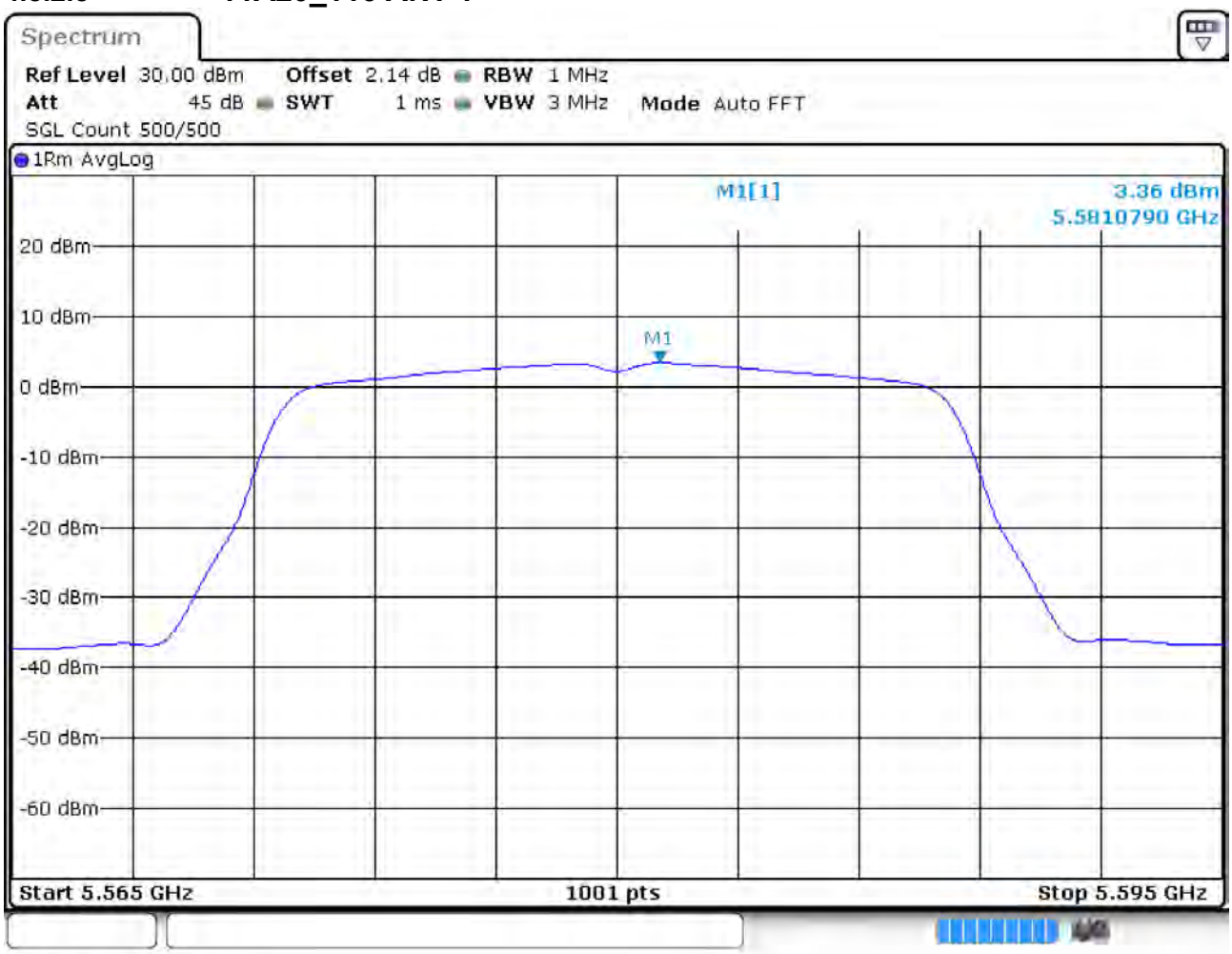
4.8.2.8 11A20_116 ANT 1



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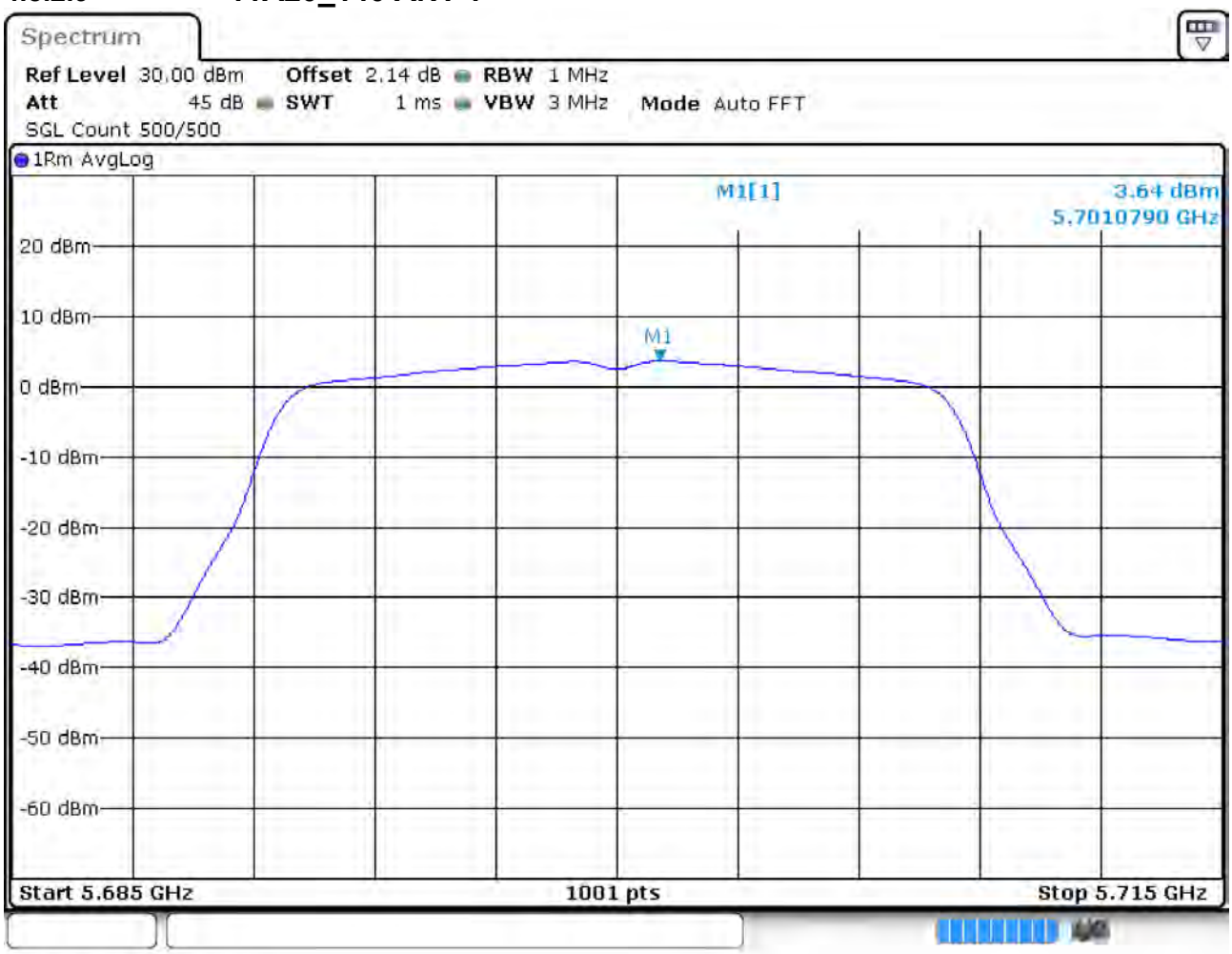
4.8.2.9 11A20_140 ANT 1



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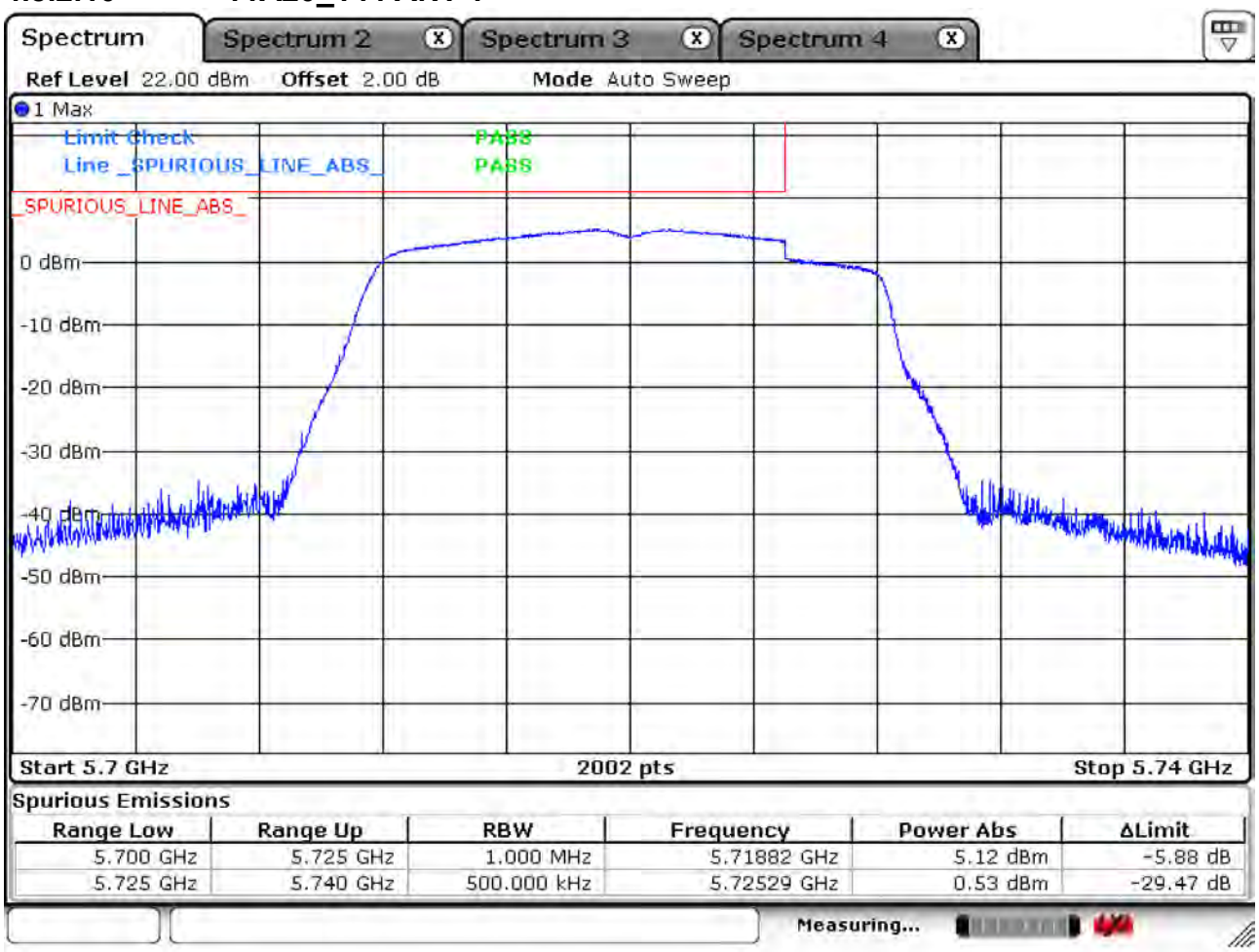
4.8.2.10 11A20_144 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.700 GHz	5.725 GHz	1.000 MHz	5.71882 GHz	5.12 dBm	-5.88 dB
5.725 GHz	5.740 GHz	500.000 kHz	5.72529 GHz	0.53 dBm	-29.47 dB

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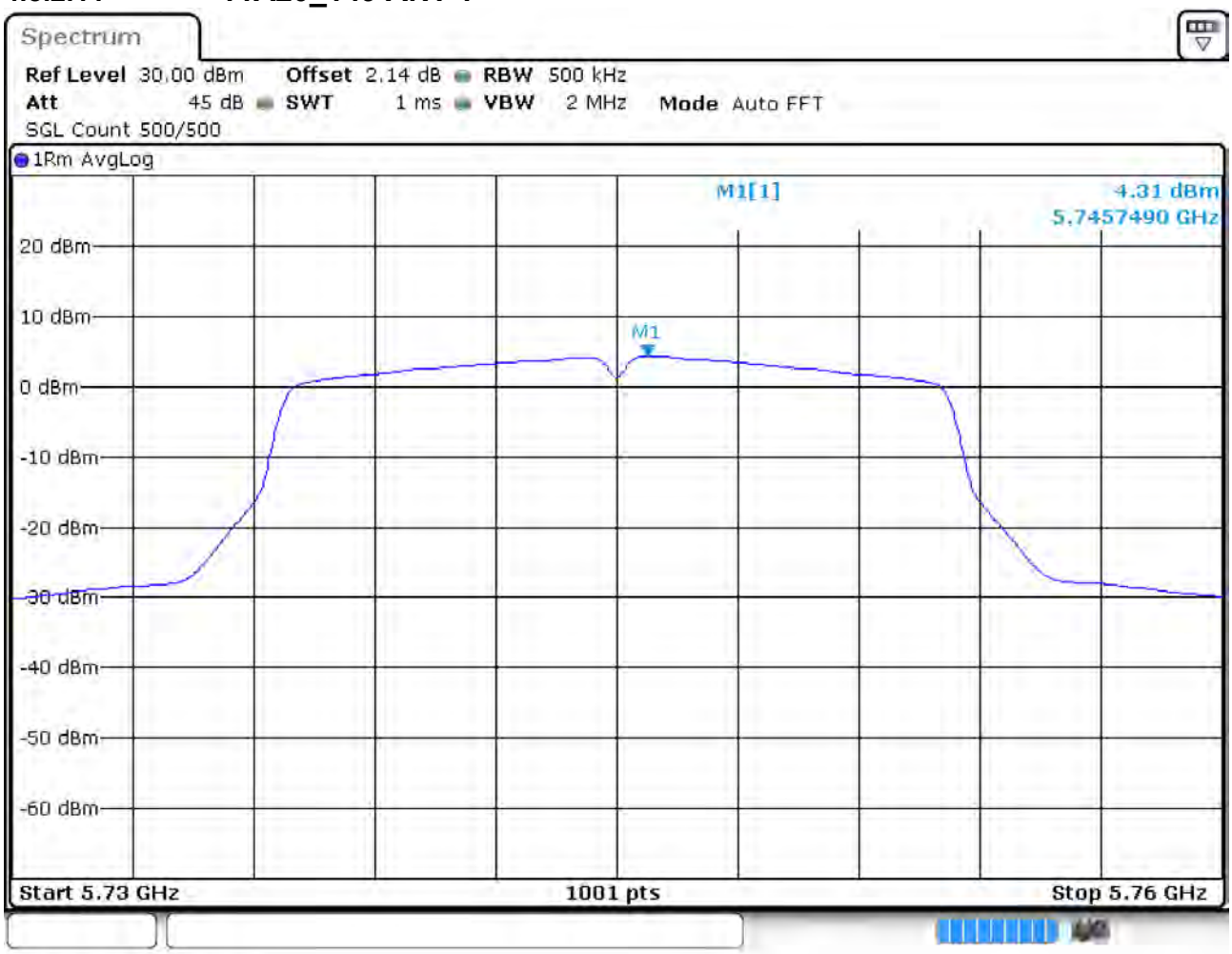
4.8.2.11 11A20_149 ANT 1



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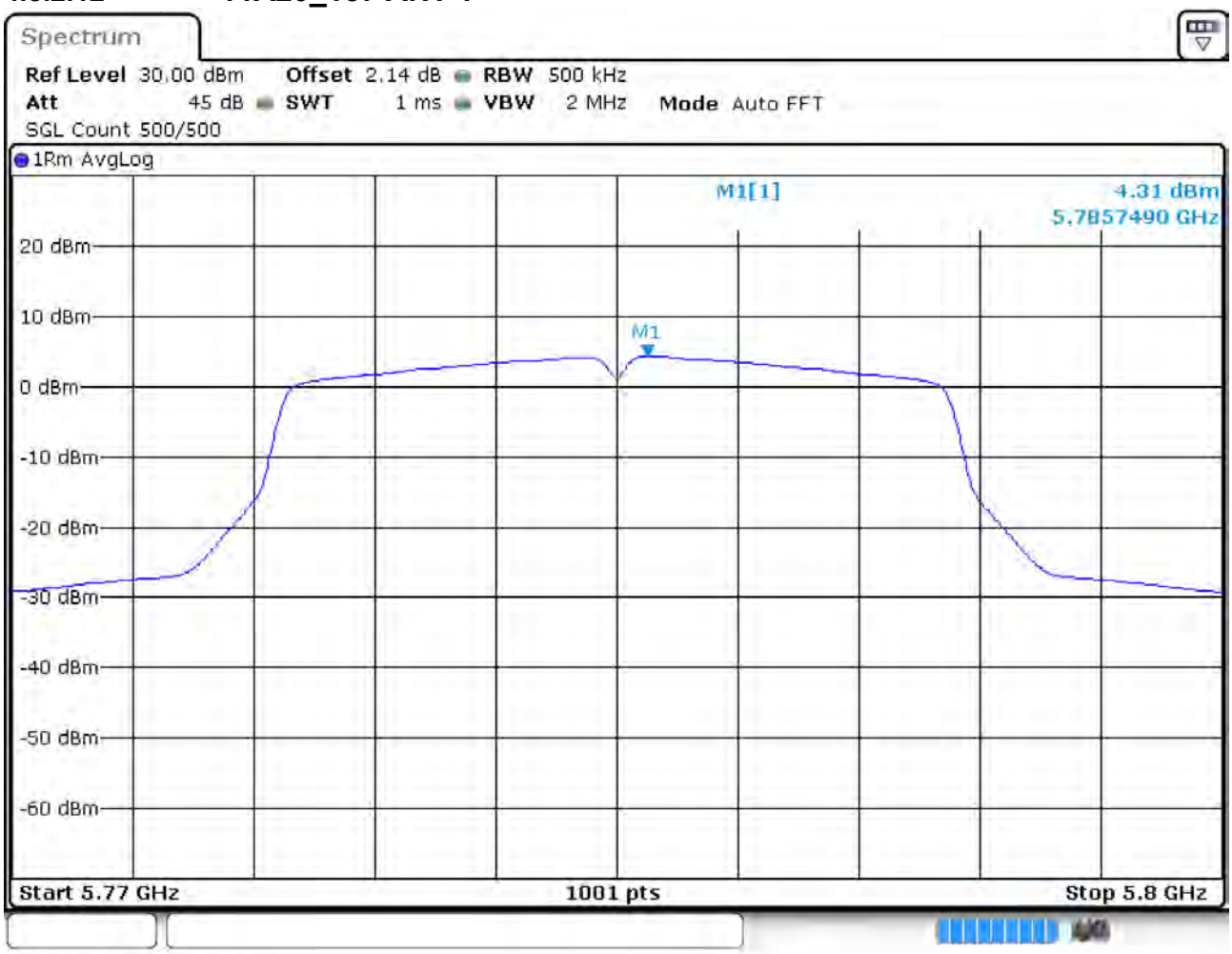
4.8.2.12 11A20_157 ANT 1



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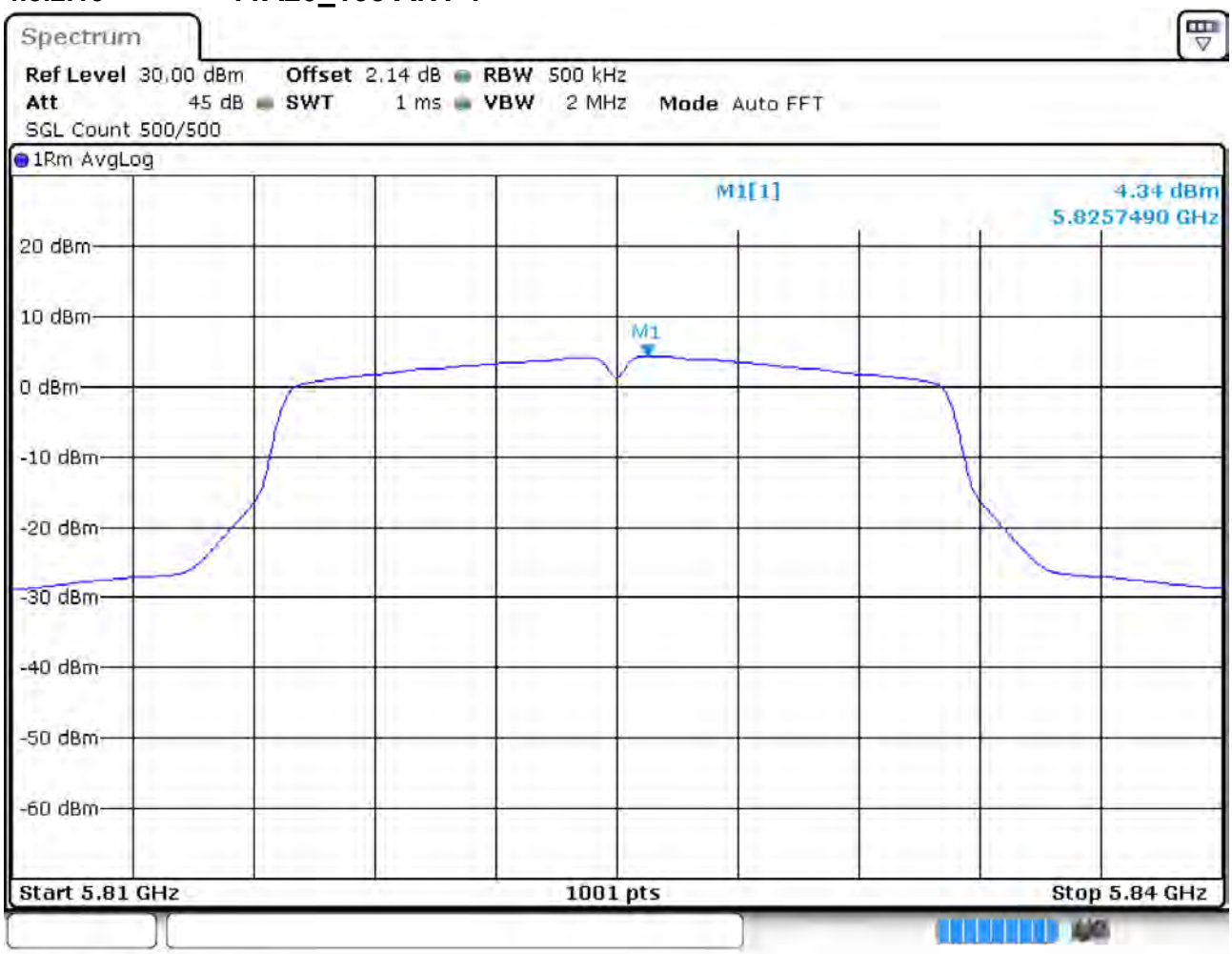
4.8.2.13 11A20_165 ANT 1



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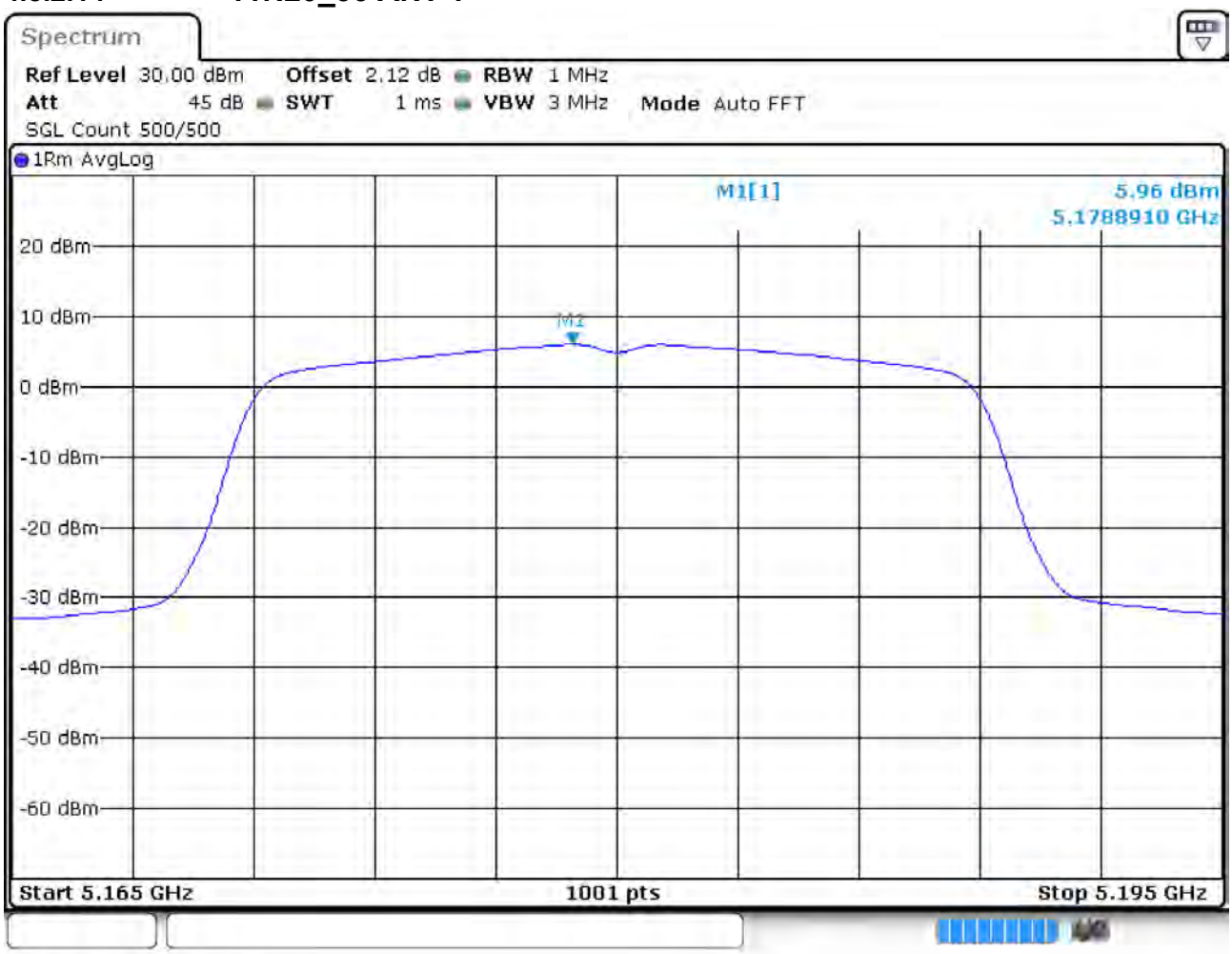
4.8.2.14 11N20_36 ANT 1



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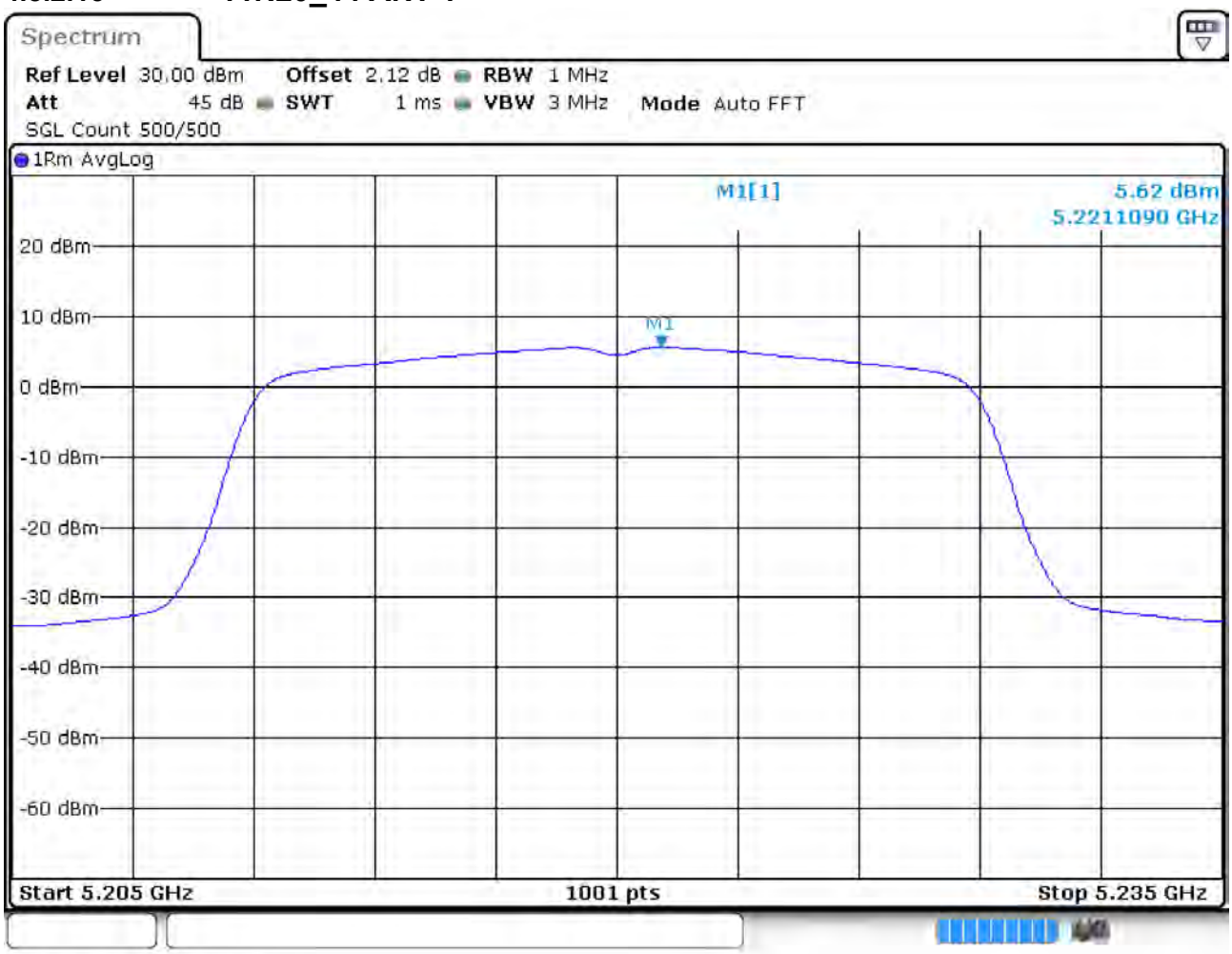
4.8.2.15 11N20_44 ANT 1



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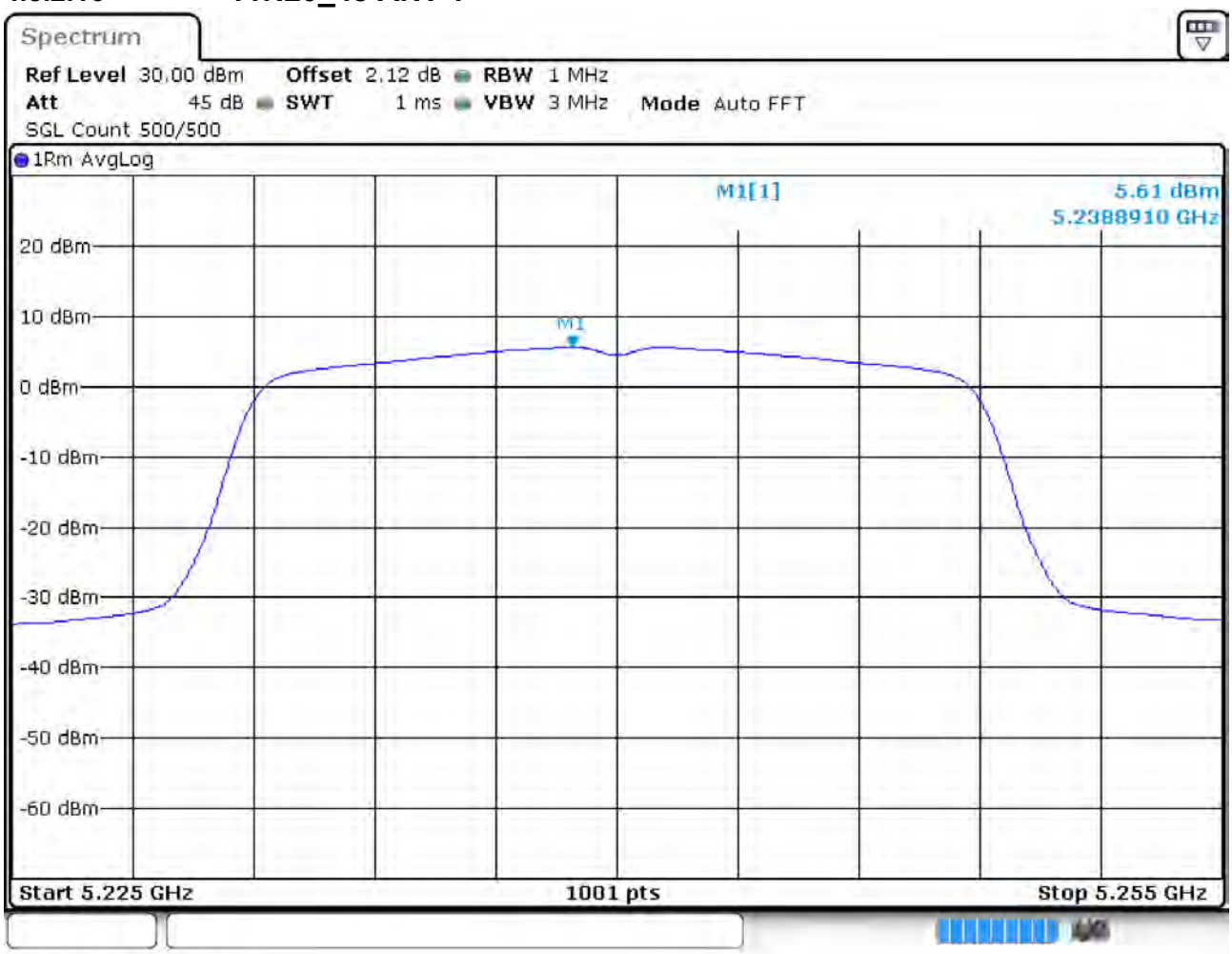
4.8.2.16 11N20_48 ANT 1



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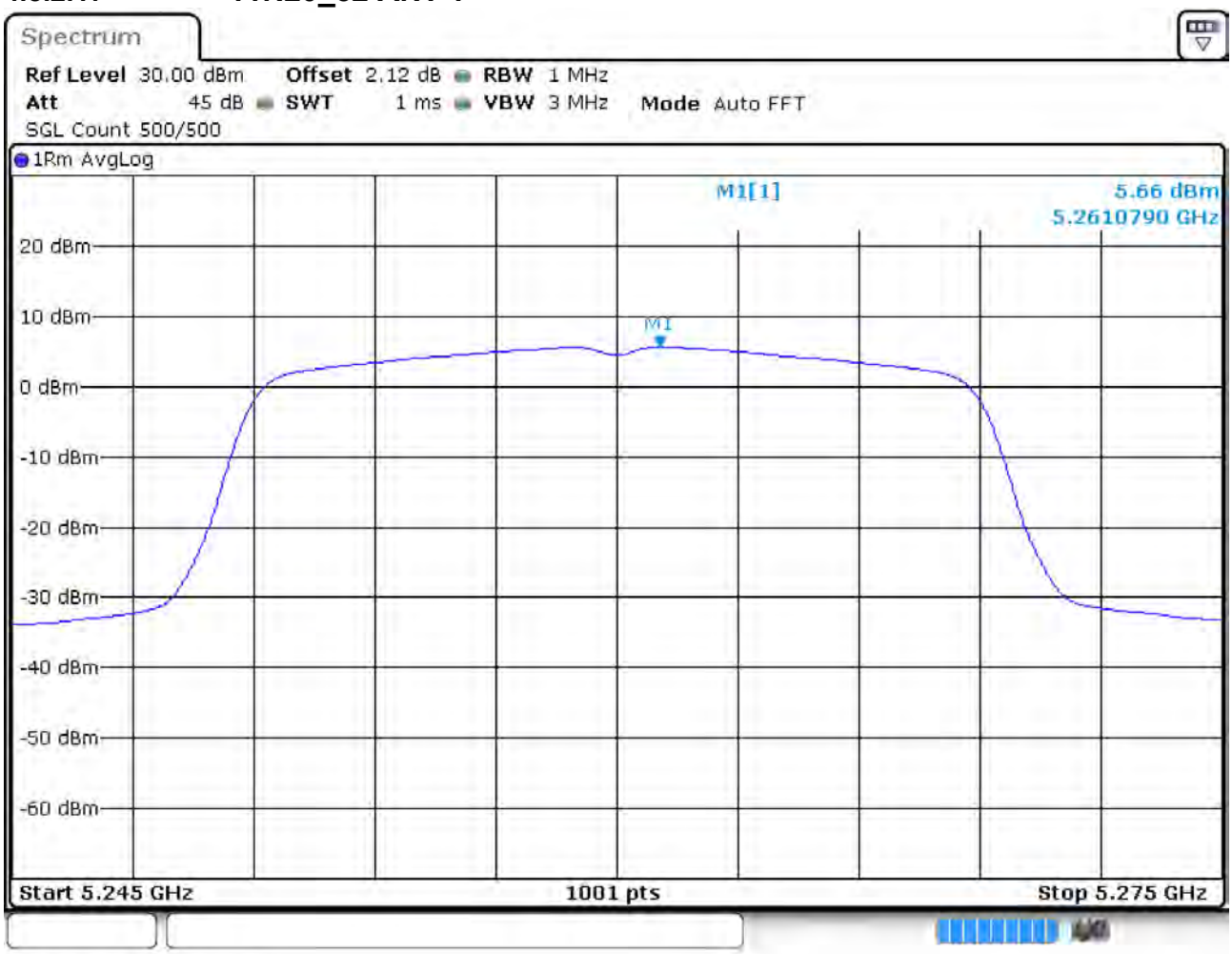
4.8.2.17 11N20_52 ANT 1



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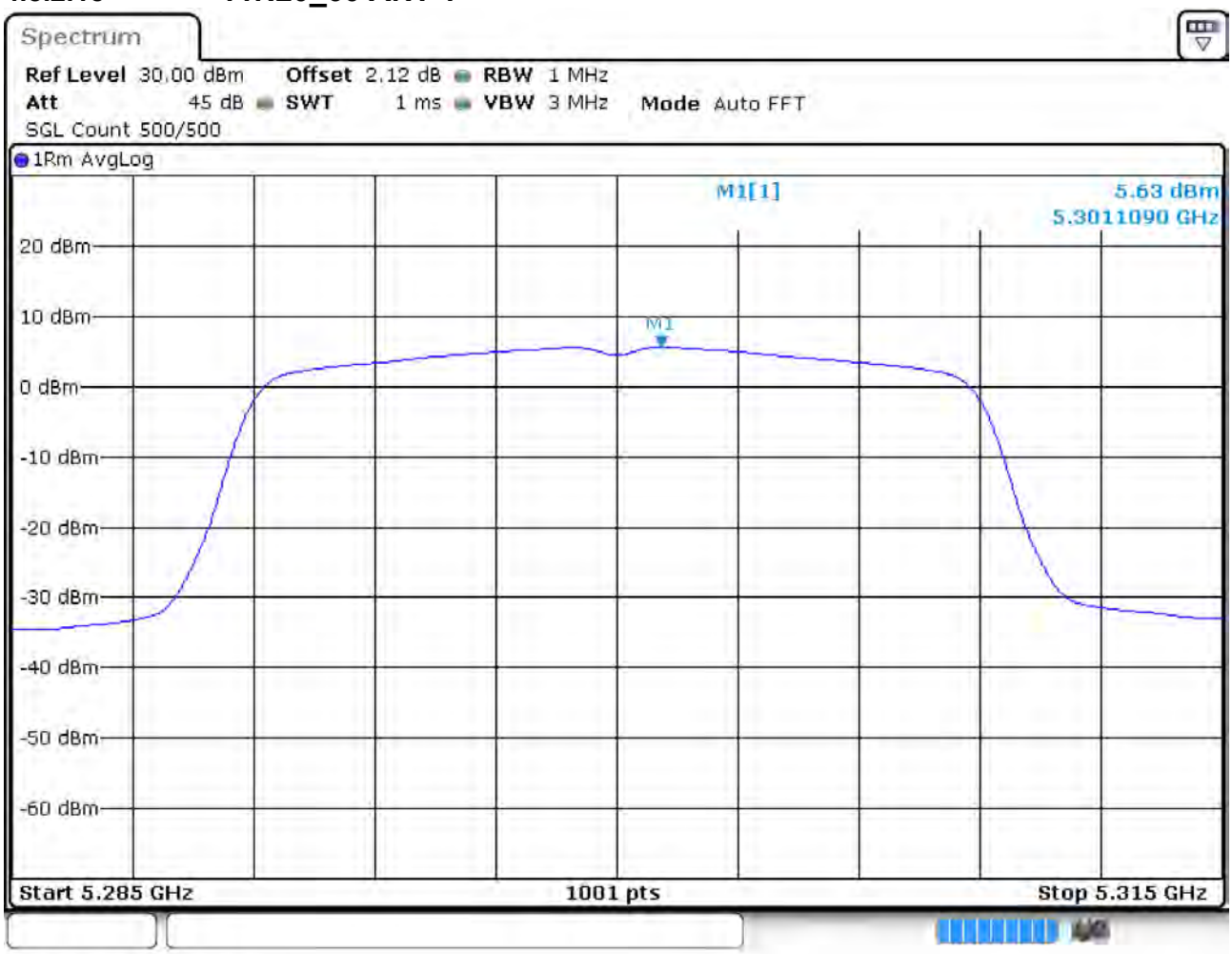
4.8.2.18 11N20_60 ANT 1



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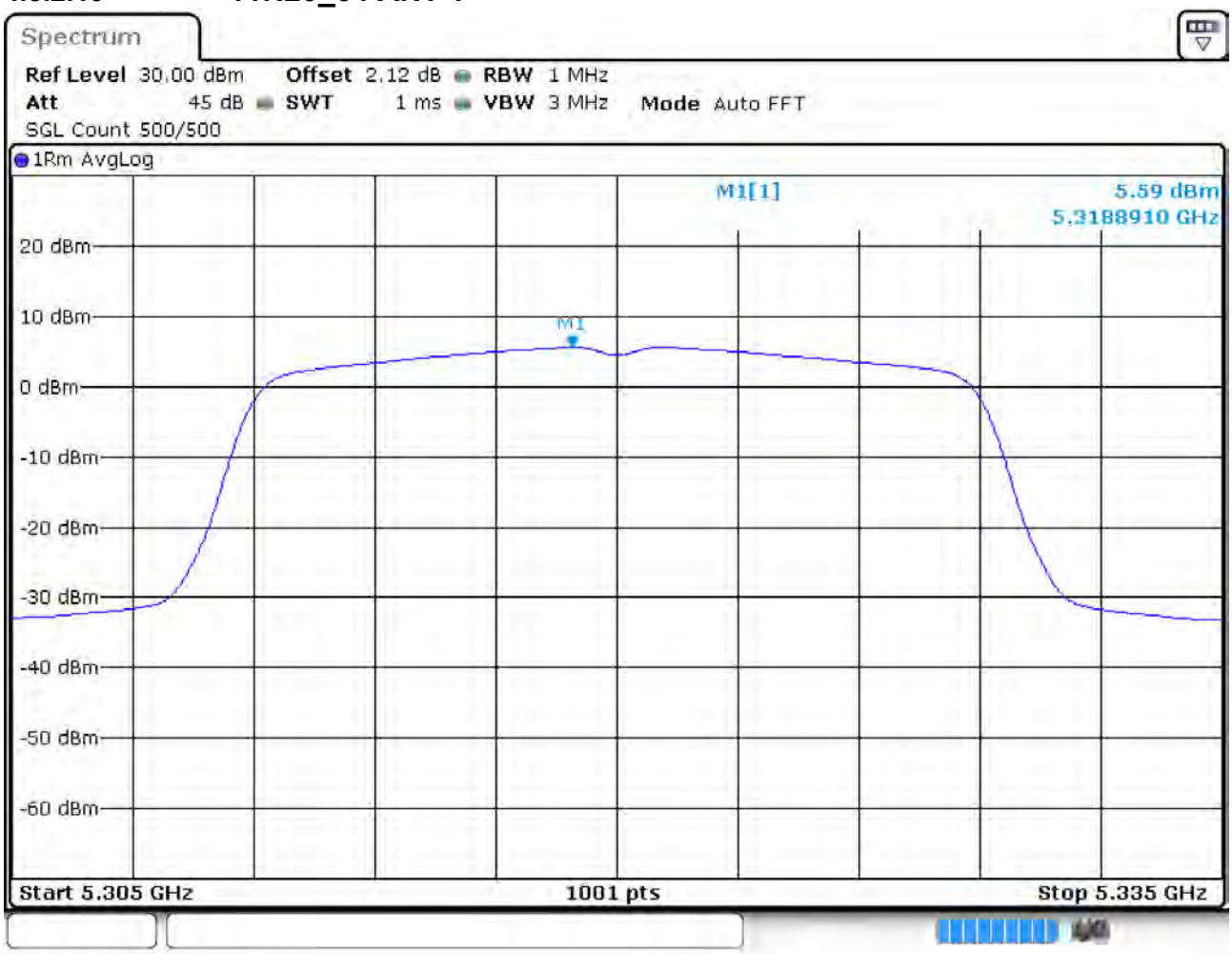

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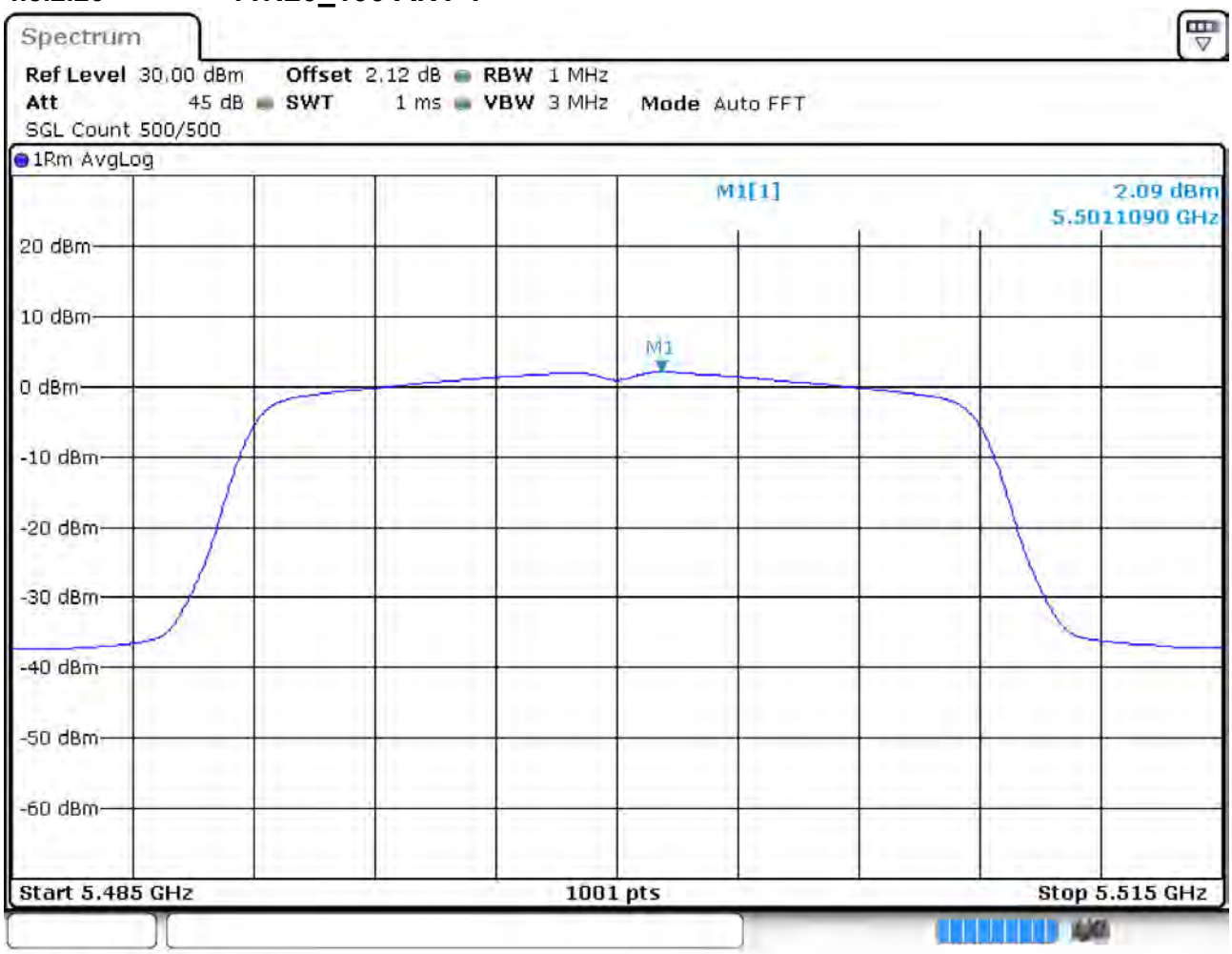

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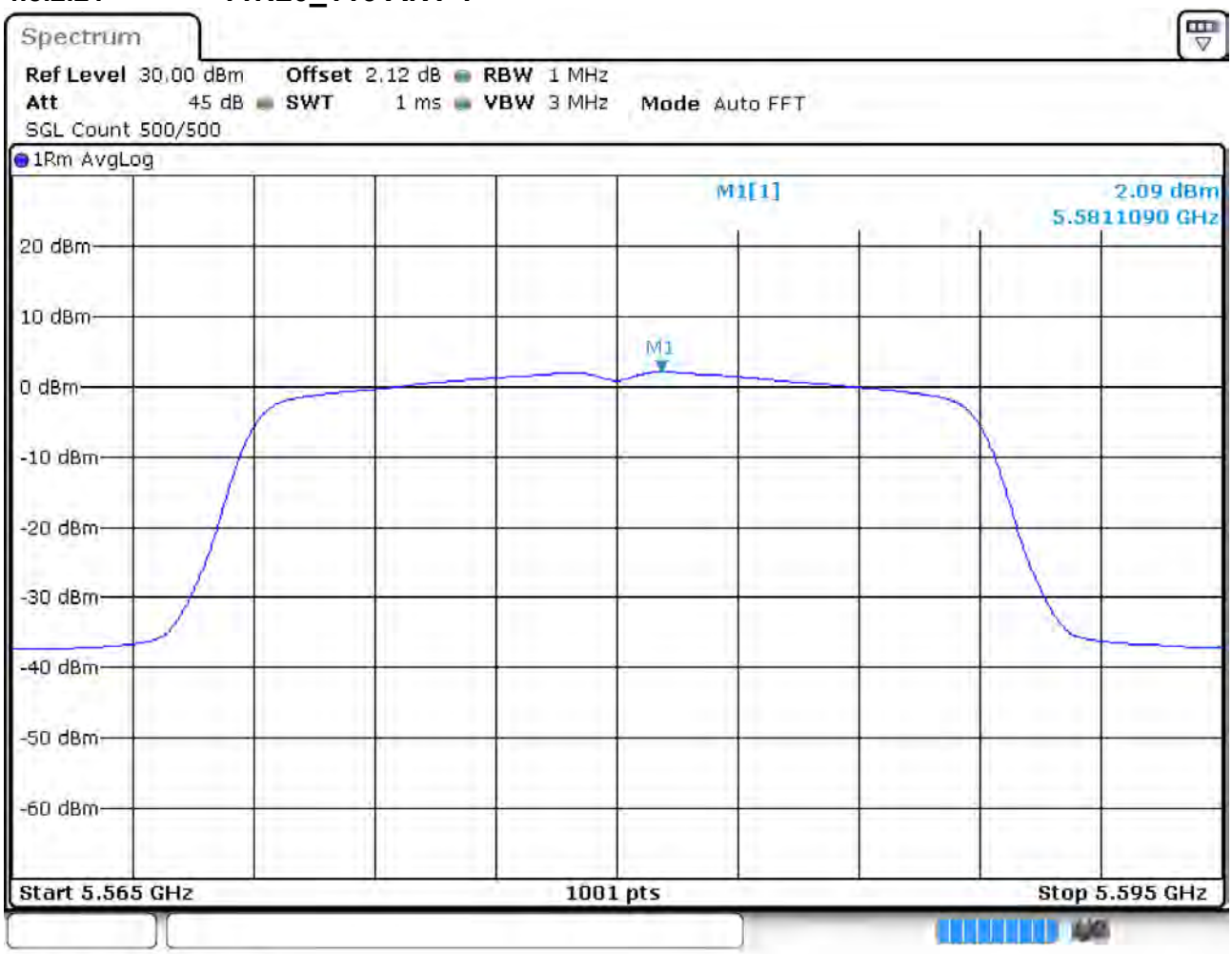
4.8.2.21 11N20_116 ANT 1



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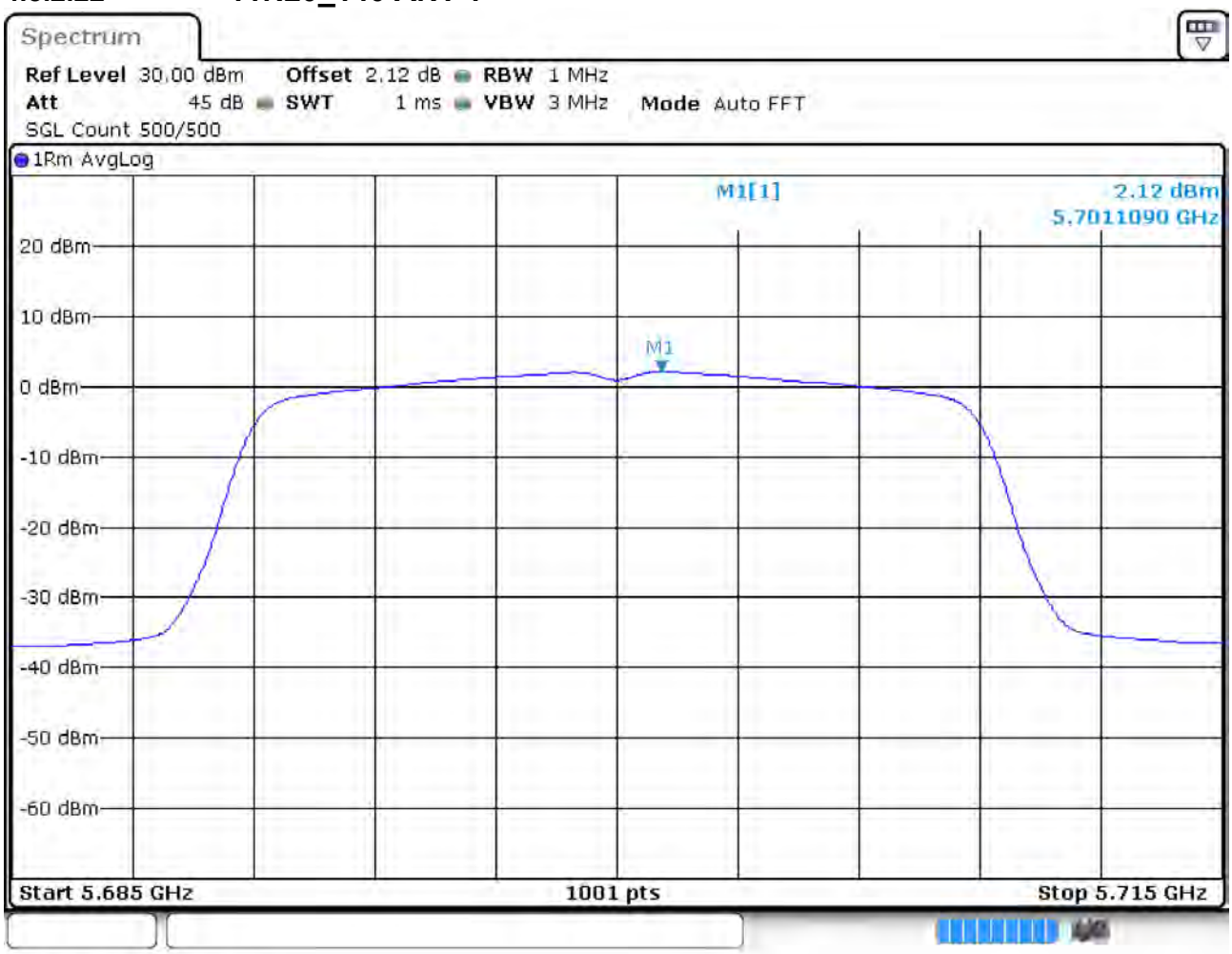
4.8.2.22 11N20_140 ANT 1



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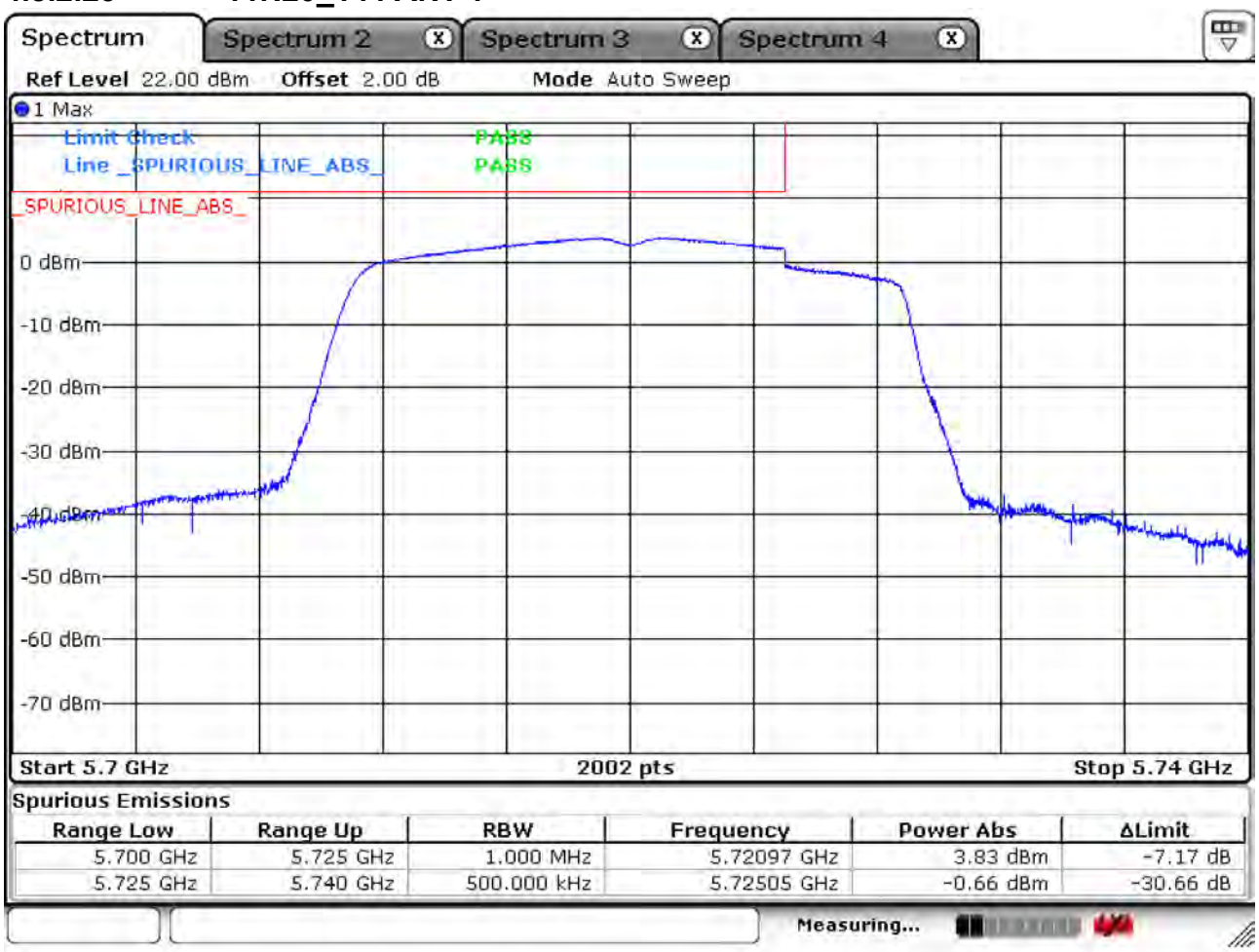
4.8.2.23 11N20_144 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.700 GHz	5.725 GHz	1.000 MHz	5.72097 GHz	3.83 dBm	-7.17 dB
5.725 GHz	5.740 GHz	500.000 kHz	5.72505 GHz	-0.66 dBm	-30.66 dB

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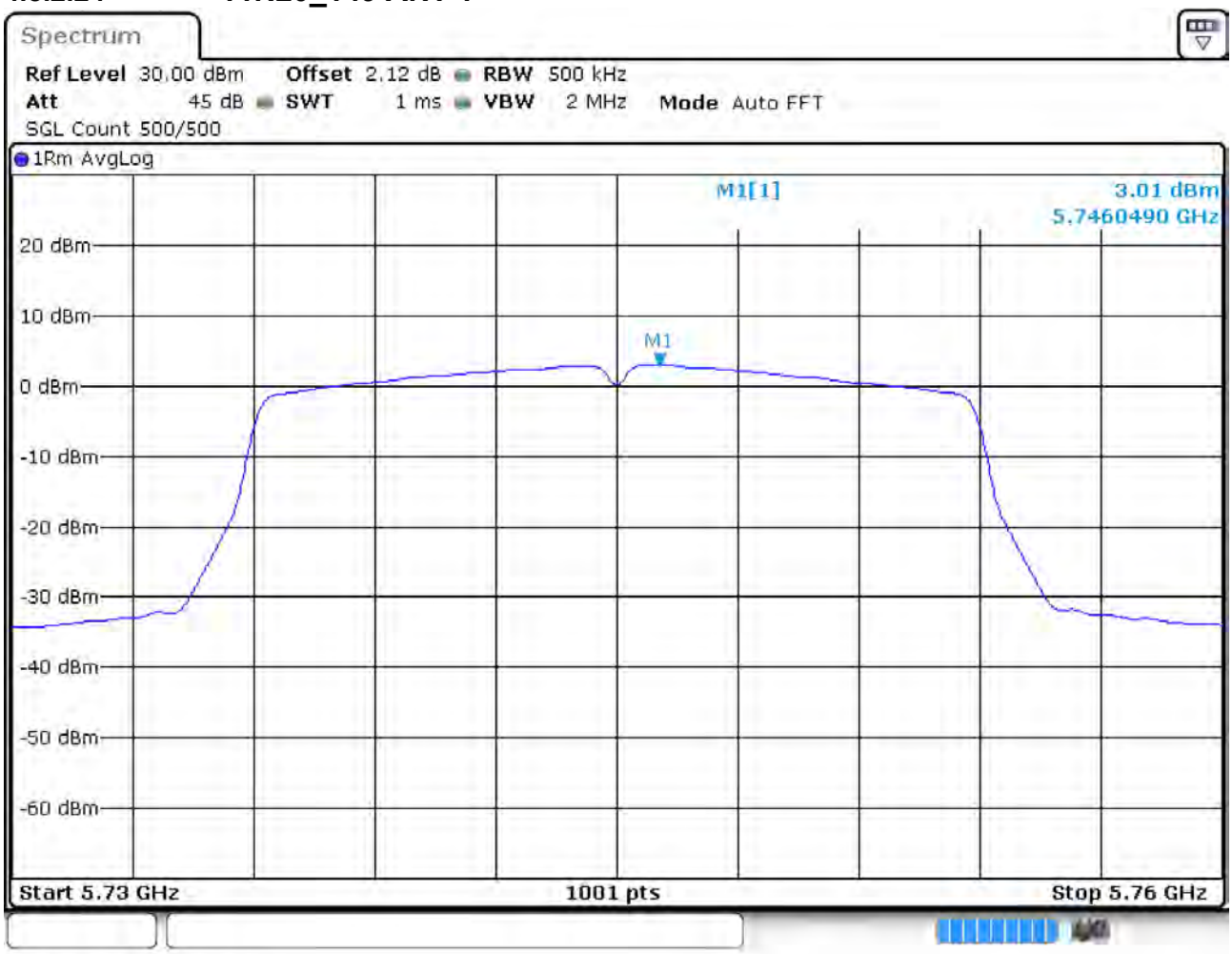
4.8.2.24 11N20_149 ANT 1



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4.8.2.25 11N20_157 ANT 1

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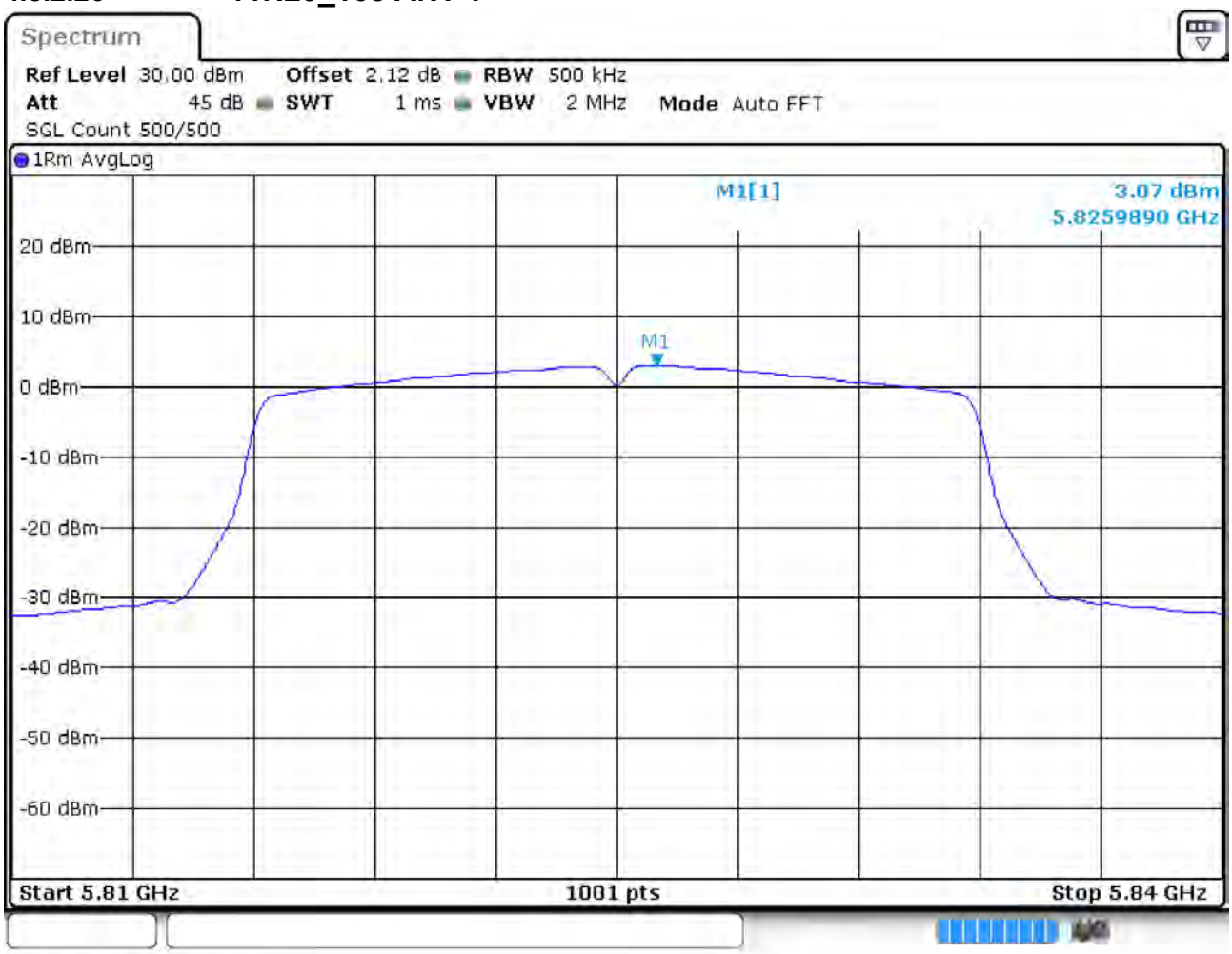
4.8.2.26 11N20_165 ANT 1



Date: 18.SEP.2020 11:29:02

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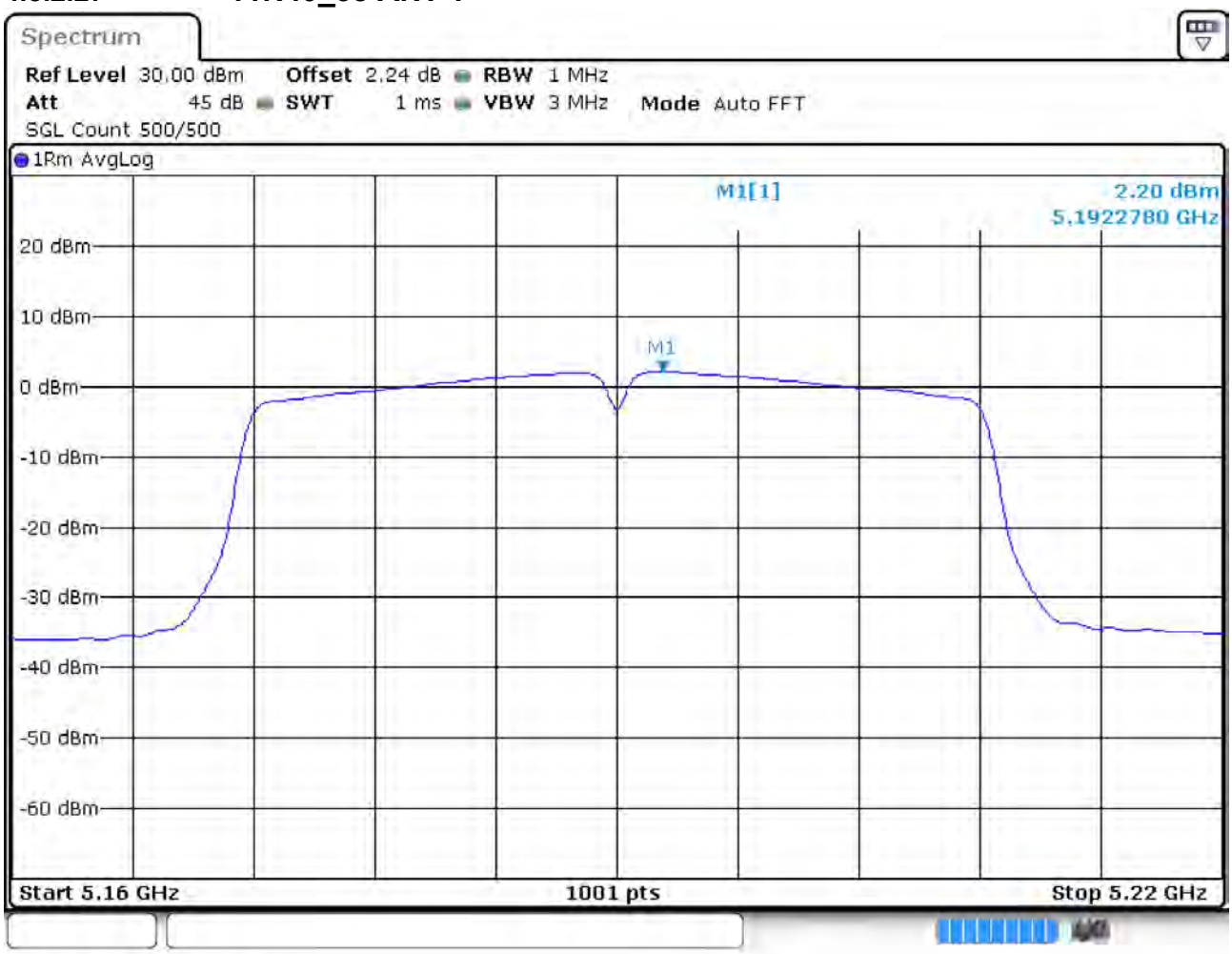
4.8.2.27 11N40_38 ANT 1



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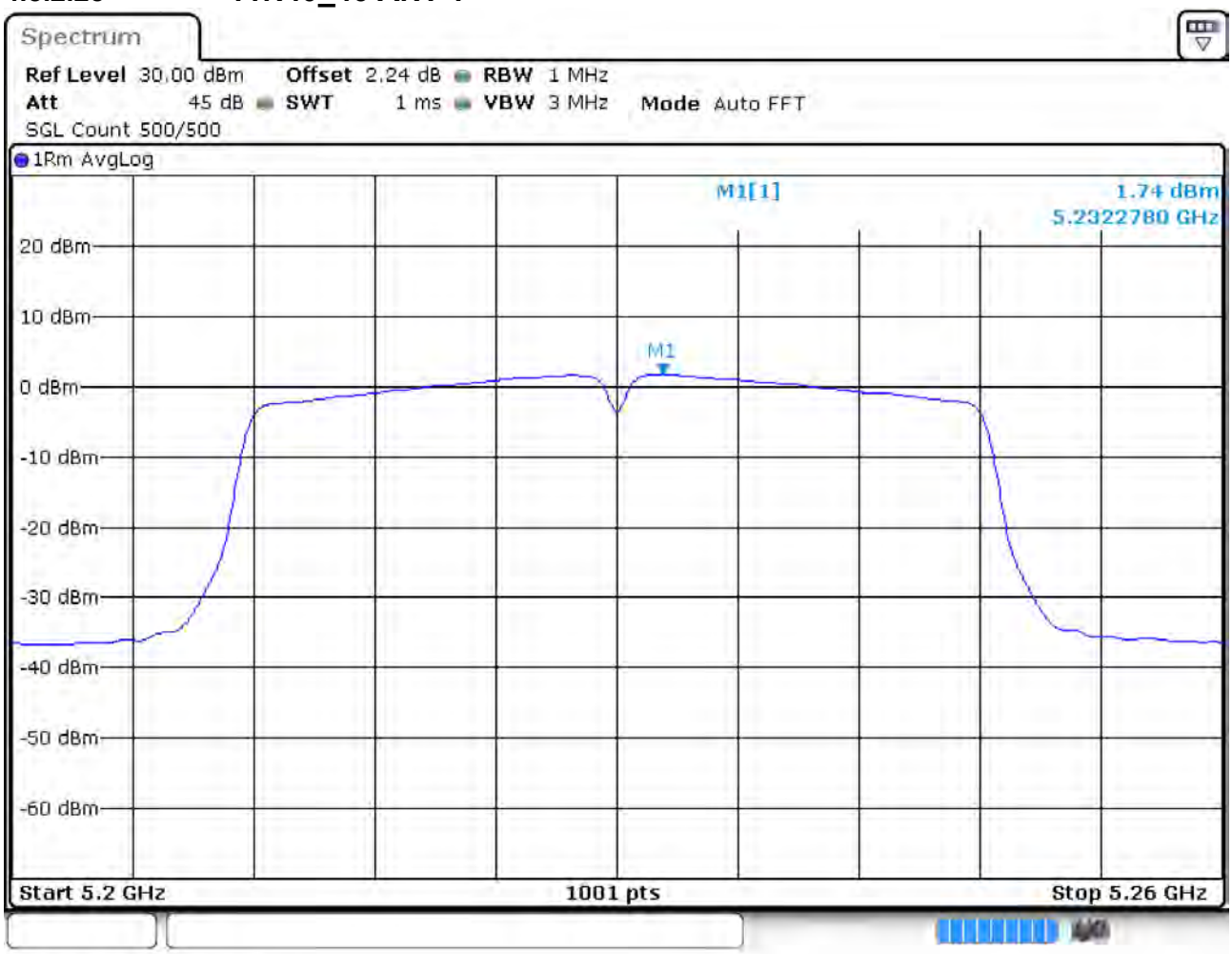
4.8.2.28 11N40_46 ANT 1



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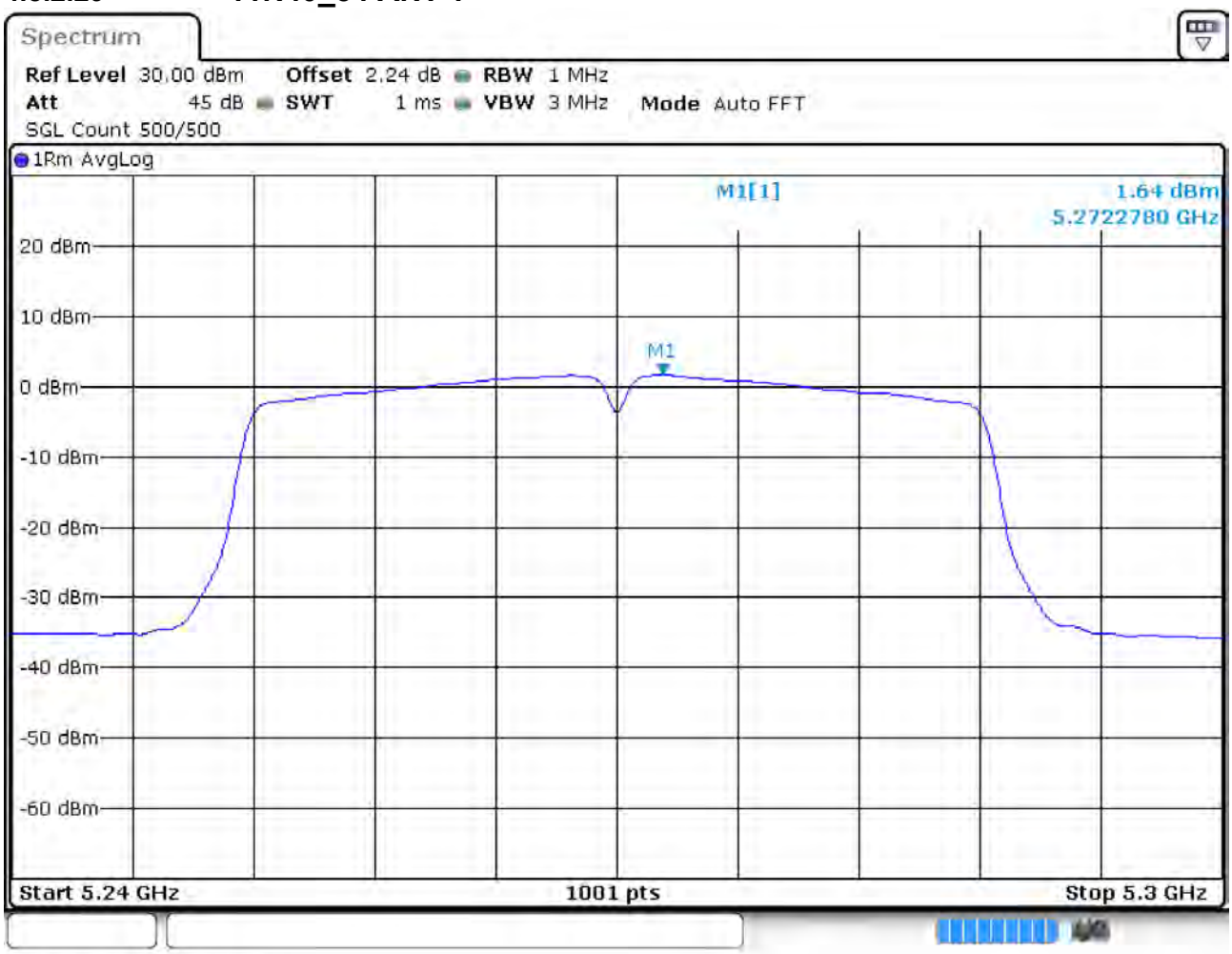
4.8.2.29 11N40_54 ANT 1



Date: 18.SEP.2020 11:34:59

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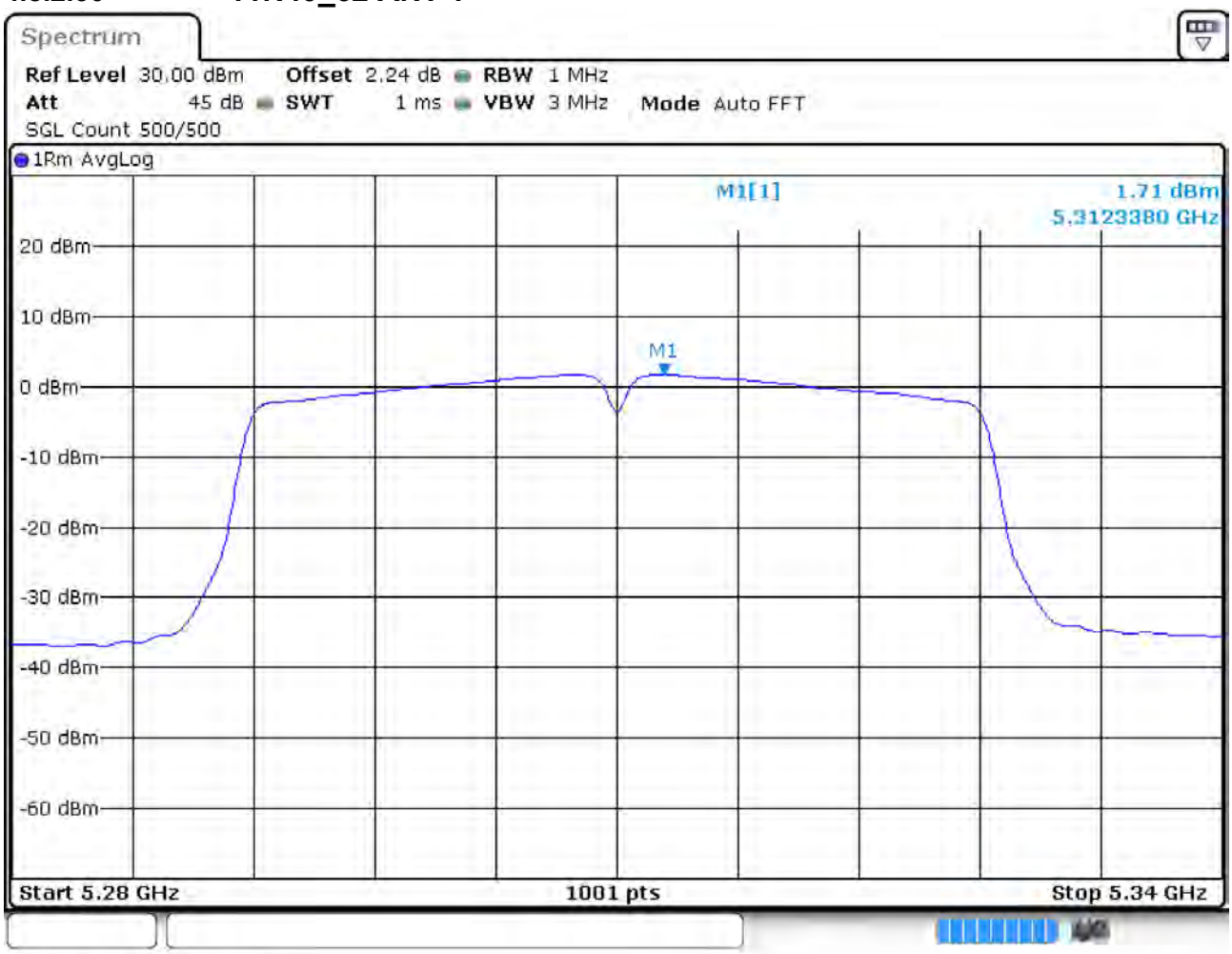
4.8.2.30 11N40_62 ANT 1



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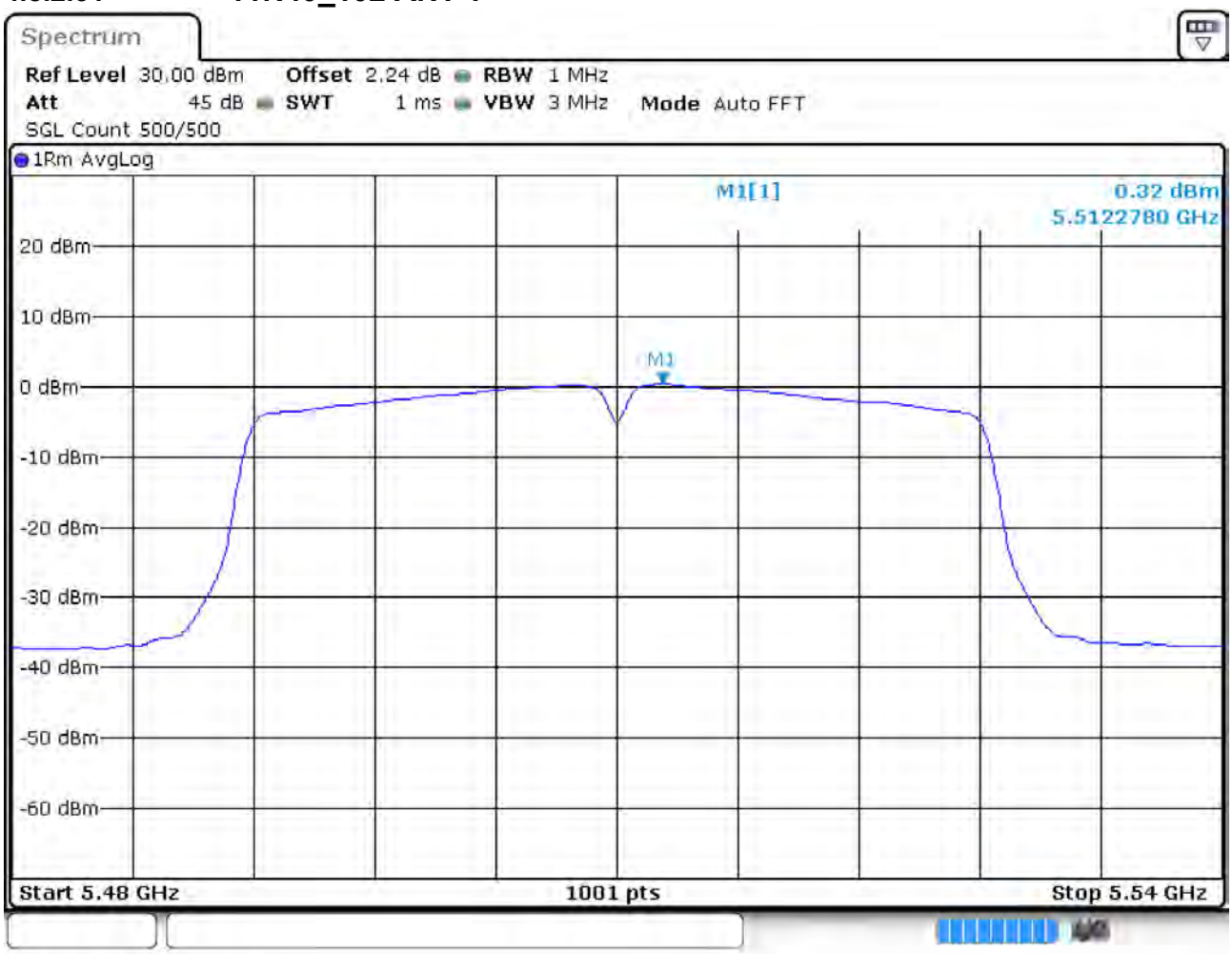
4.8.2.31 11N40_102 ANT 1



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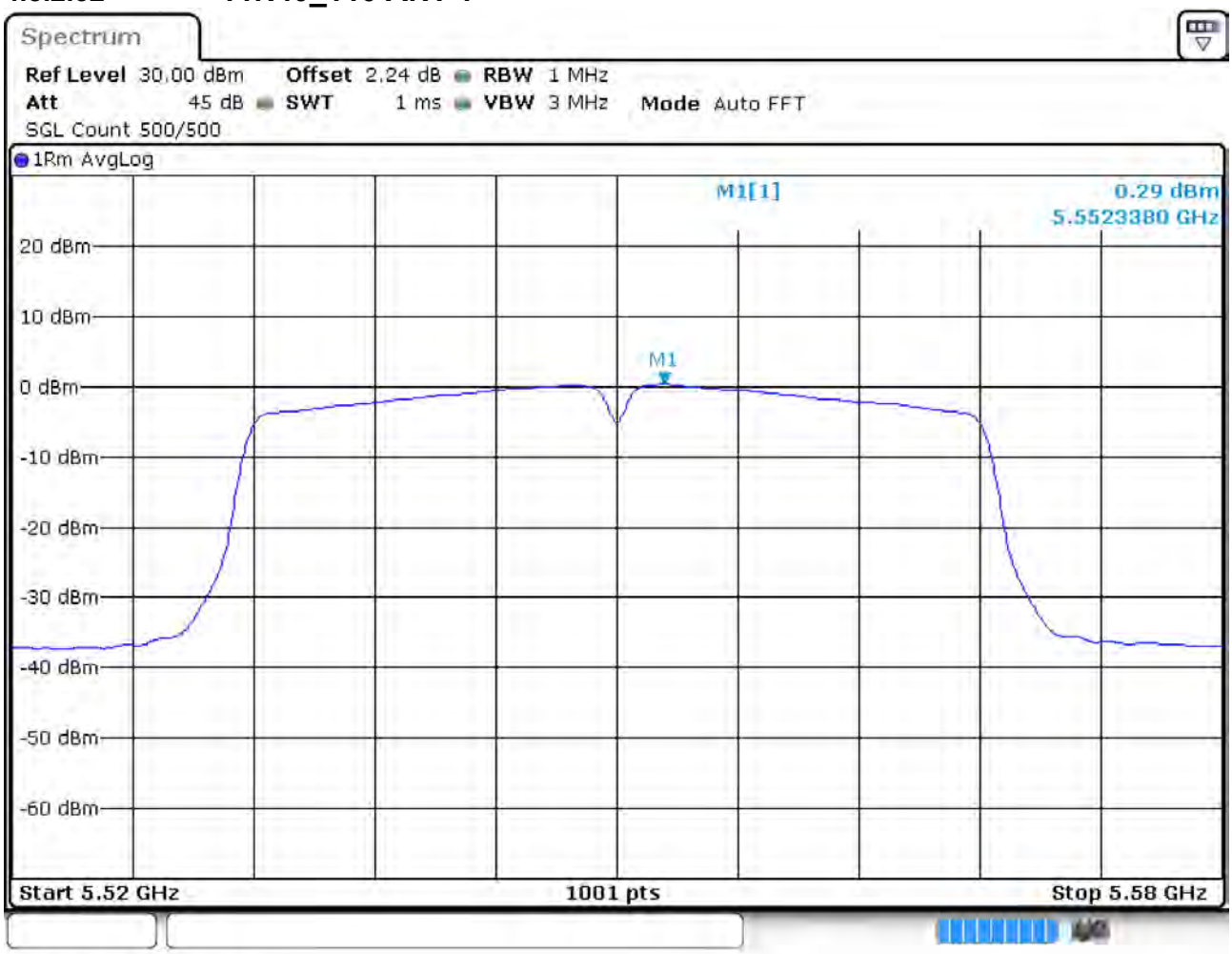
4.8.2.32 11N40_110 ANT 1



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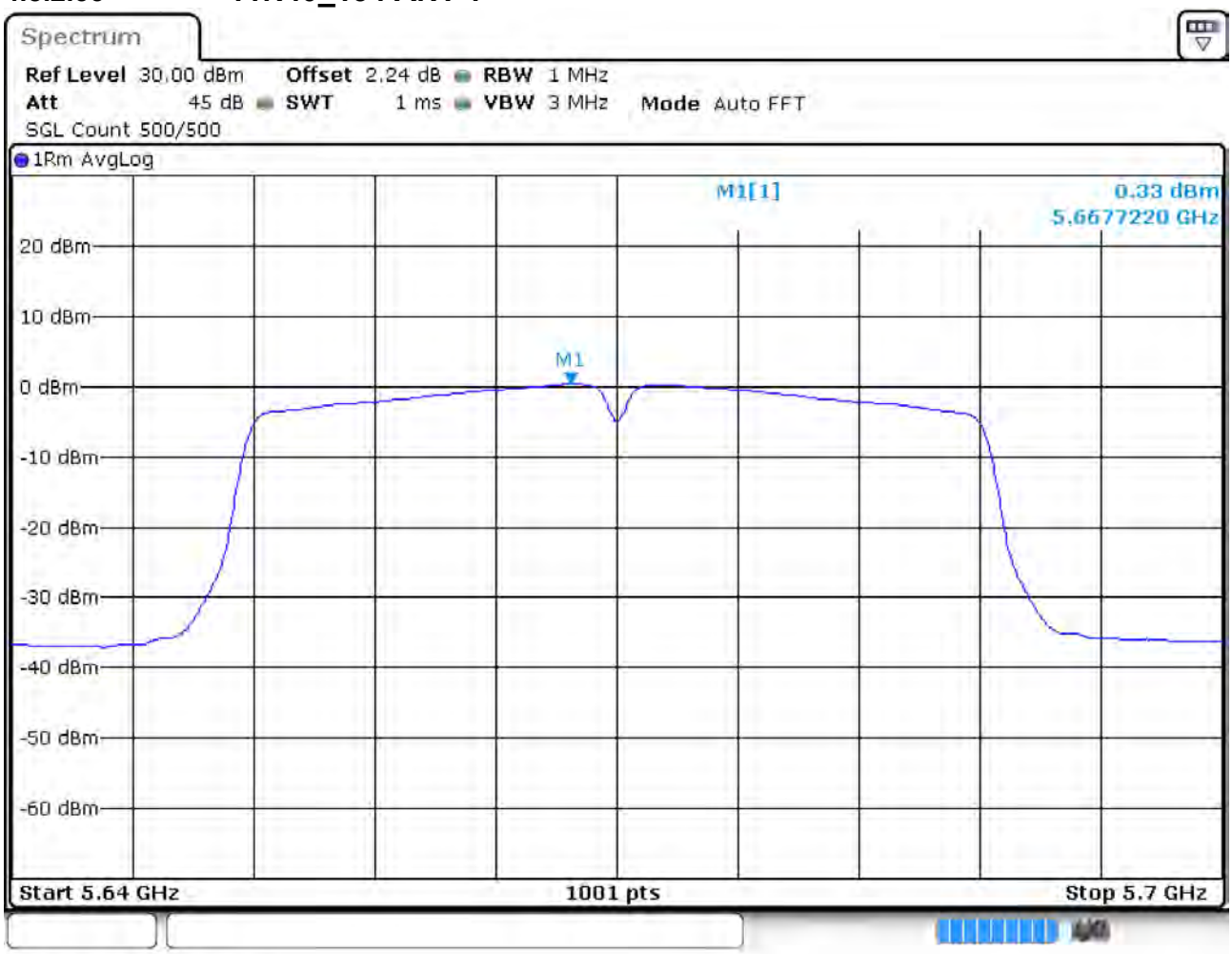
4.8.2.33 11N40_134 ANT 1



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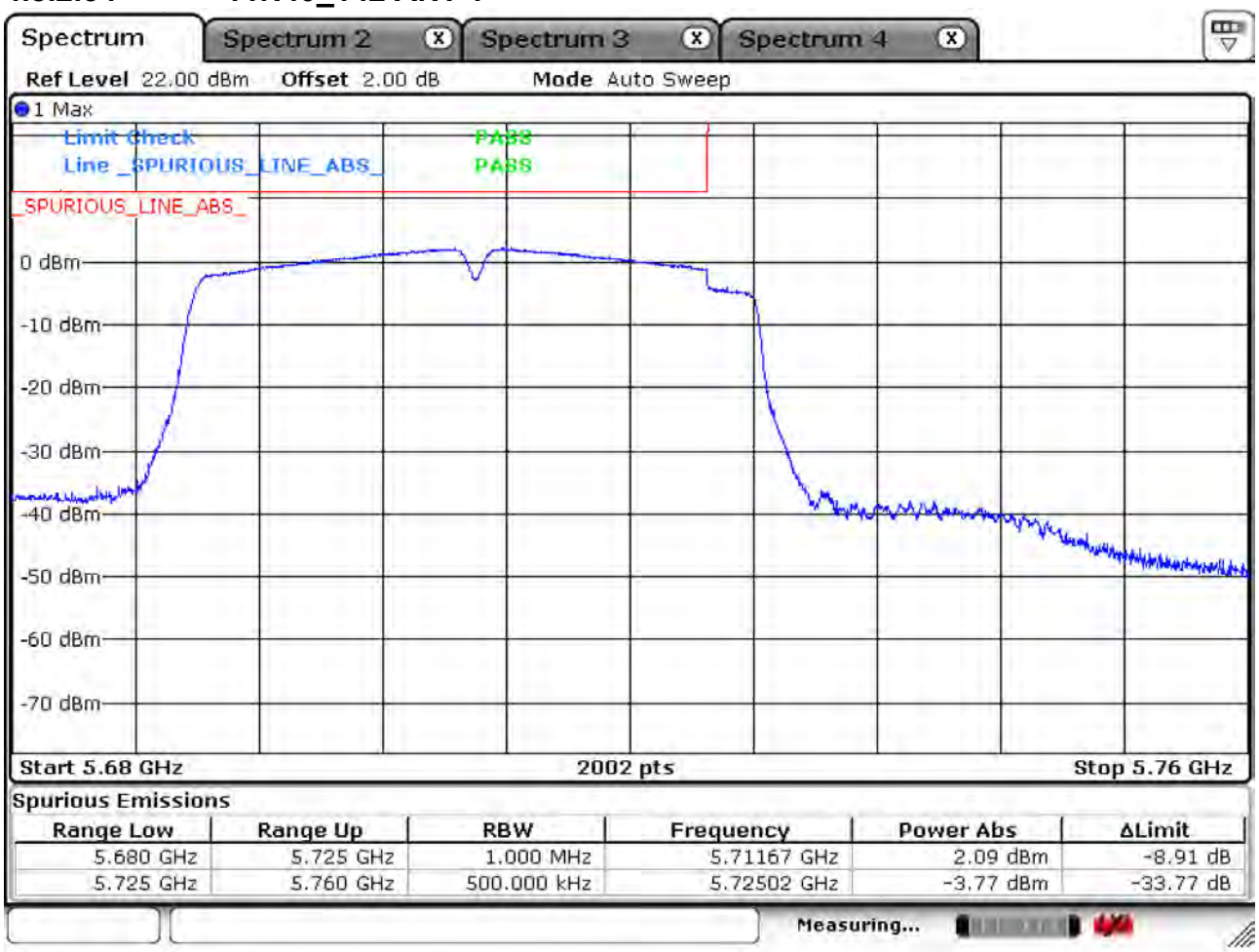
4.8.2.34 11N40_142 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.680 GHz	5.725 GHz	1.000 MHz	5.71167 GHz	2.09 dBm	-8.91 dB
5.725 GHz	5.760 GHz	500.000 kHz	5.72502 GHz	-3.77 dBm	-33.77 dB

Date: 21.OCT.2020 10:31:39

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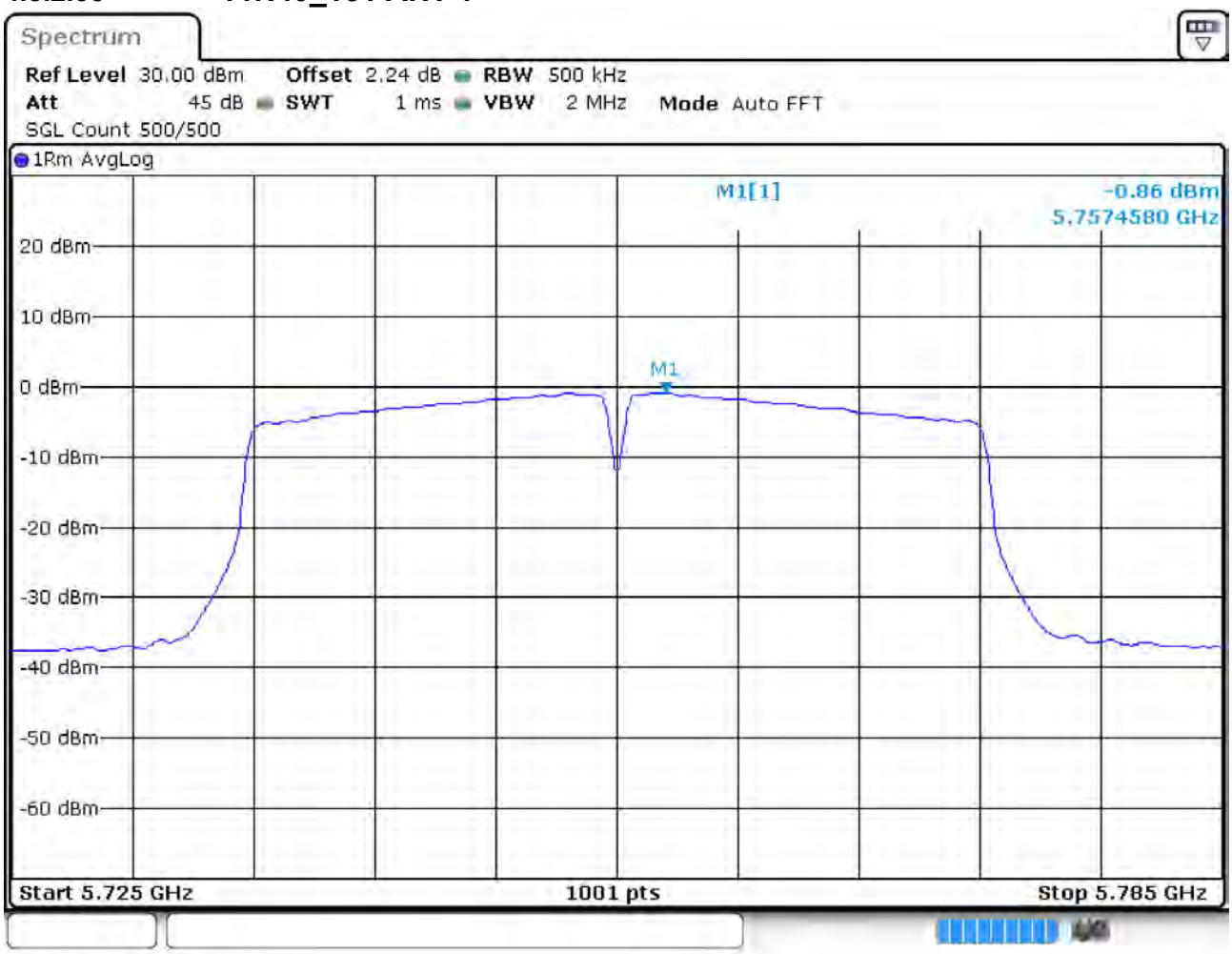
4.8.2.35 11N40_151 ANT 1



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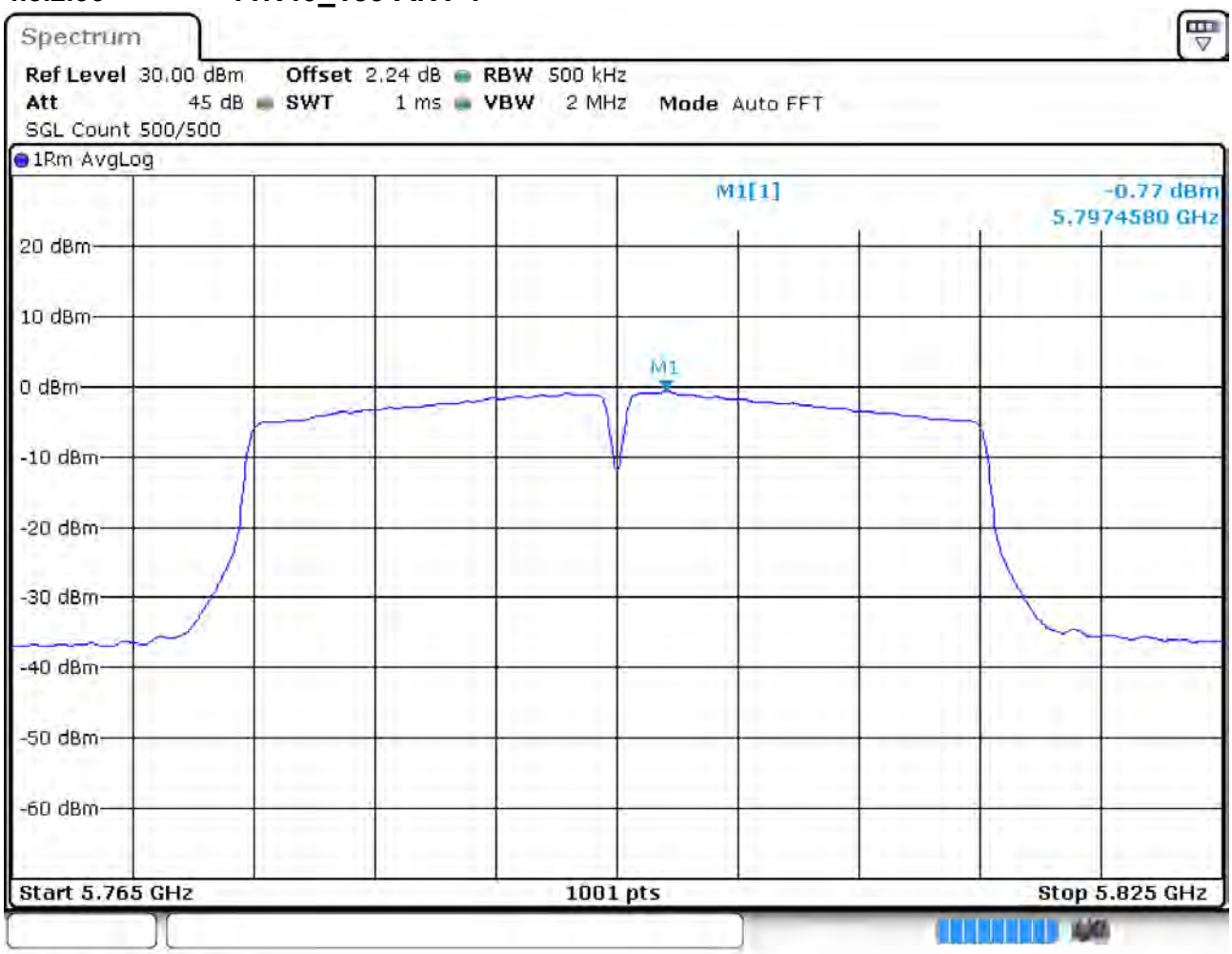
4.8.2.36 11N40_159 ANT 1



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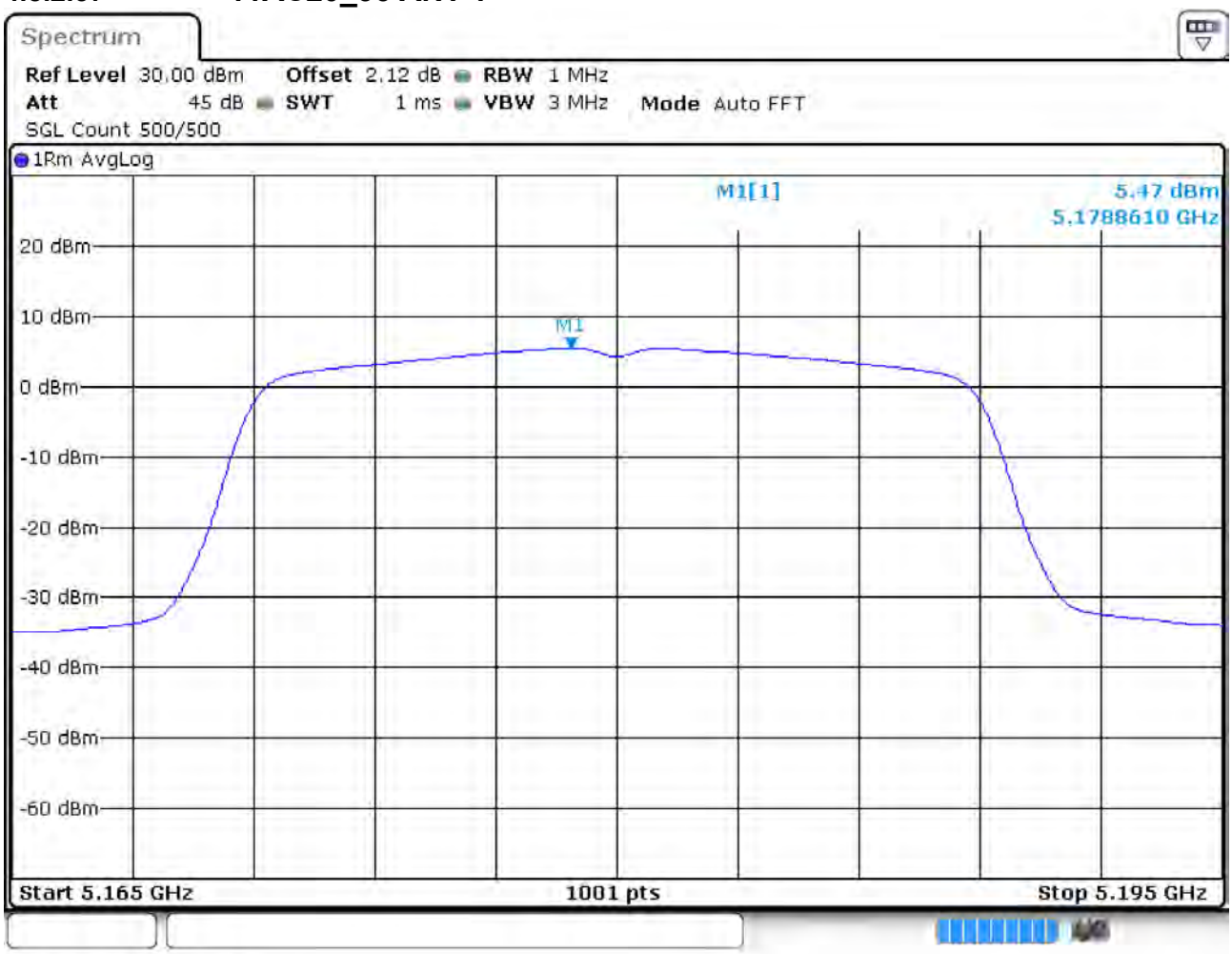
4.8.2.37 11AC20_36 ANT 1



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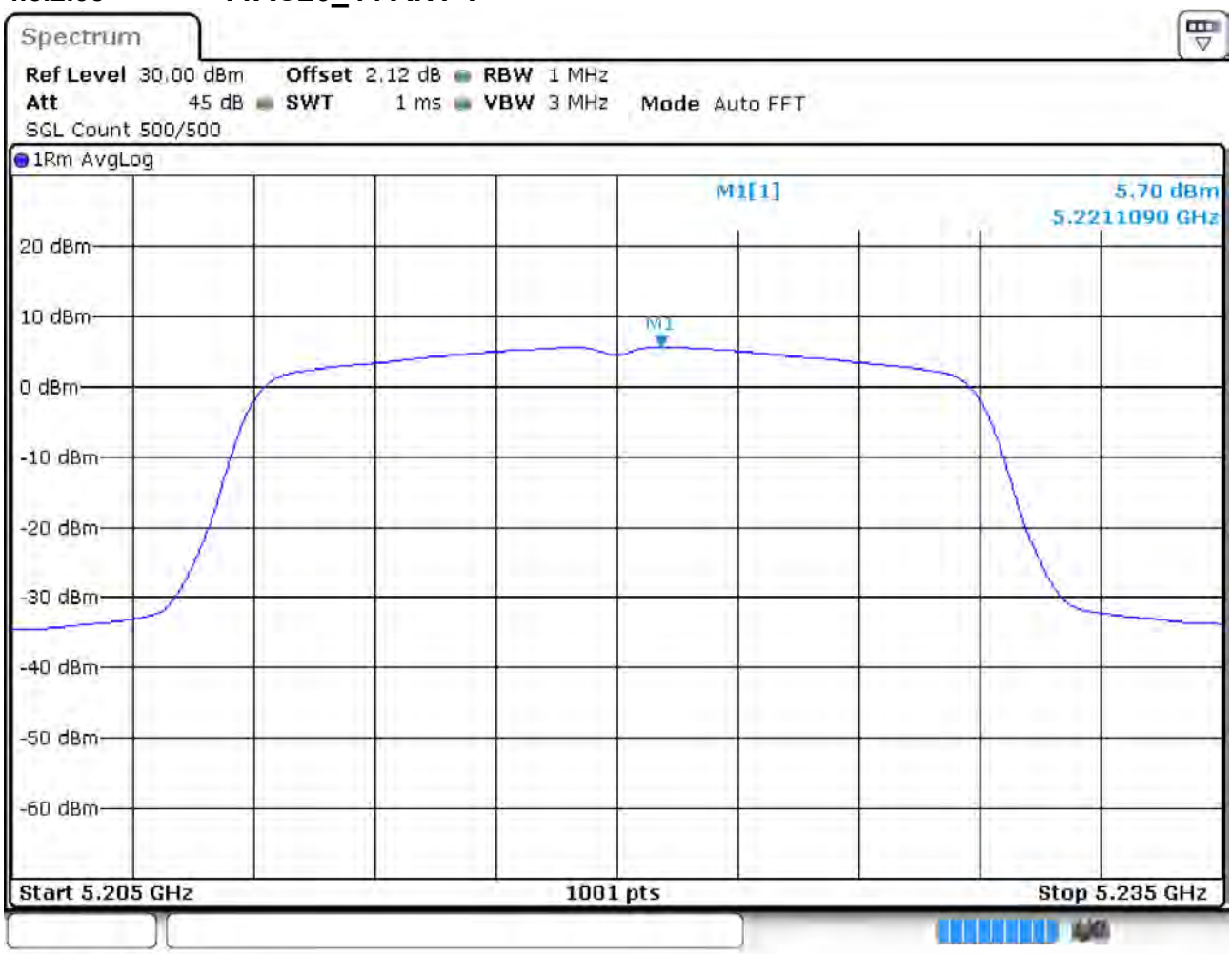
4.8.2.38 11AC20_44 ANT 1



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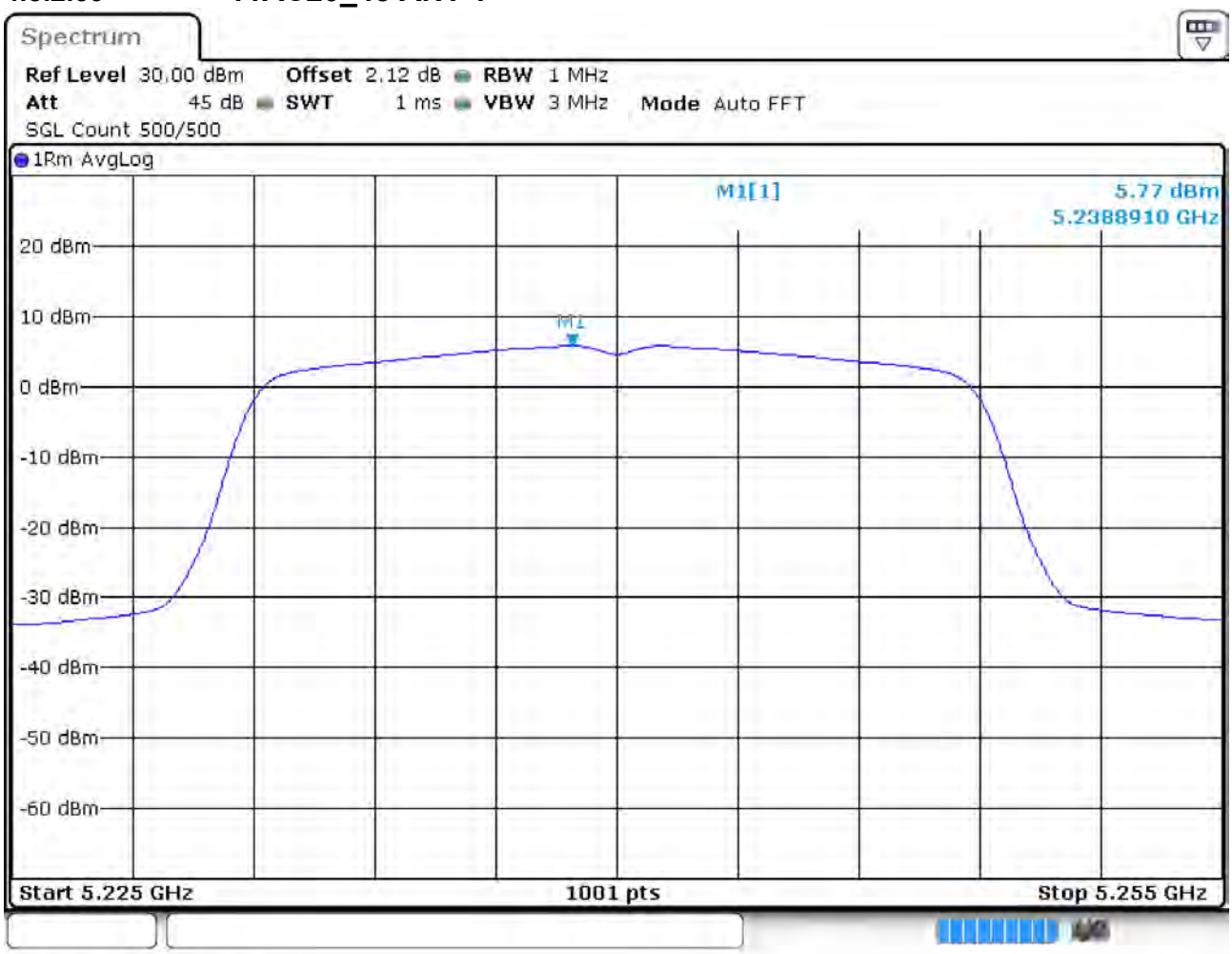
4.8.2.39 11AC20_48 ANT 1



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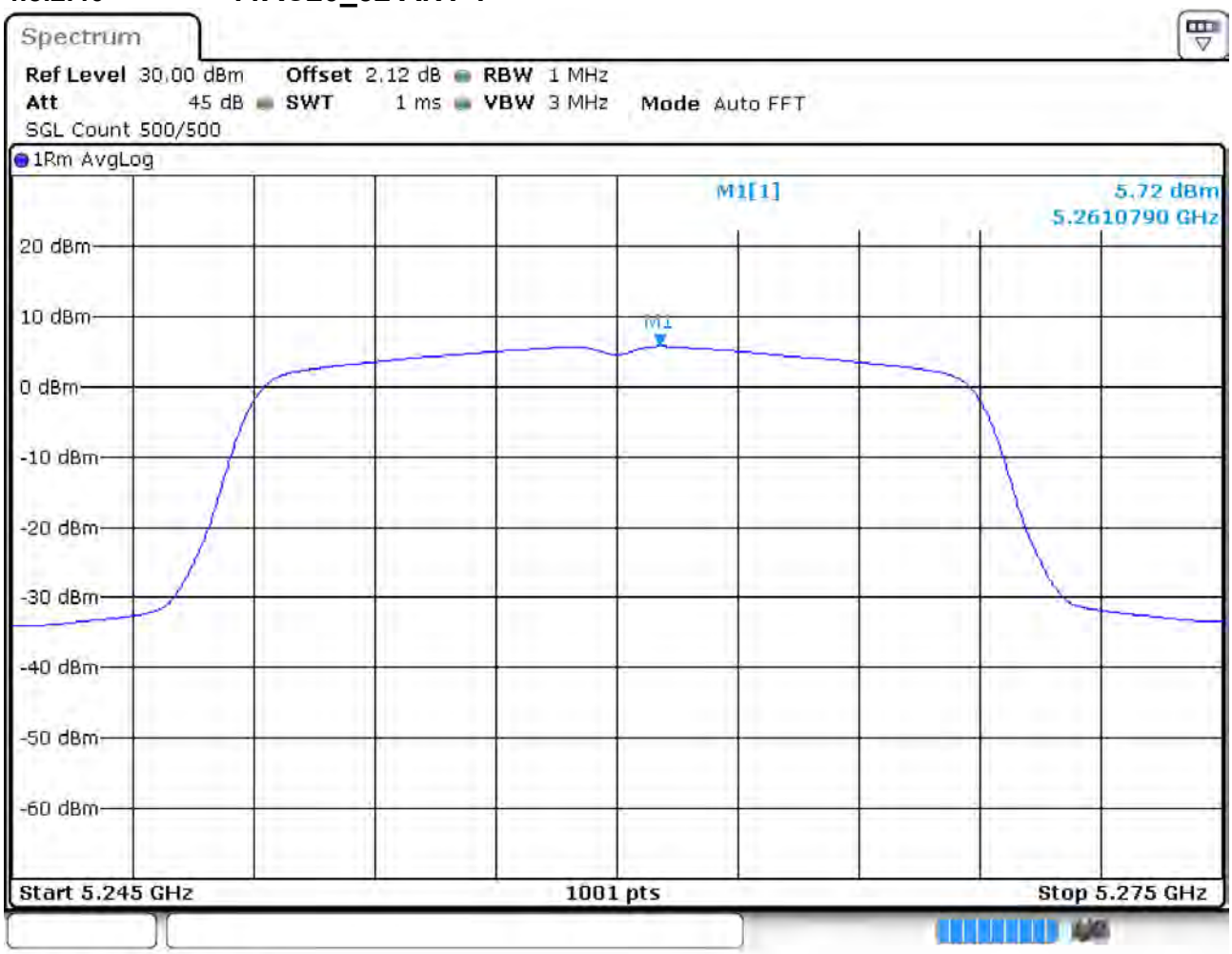
4.8.2.40 11AC20_52 ANT 1



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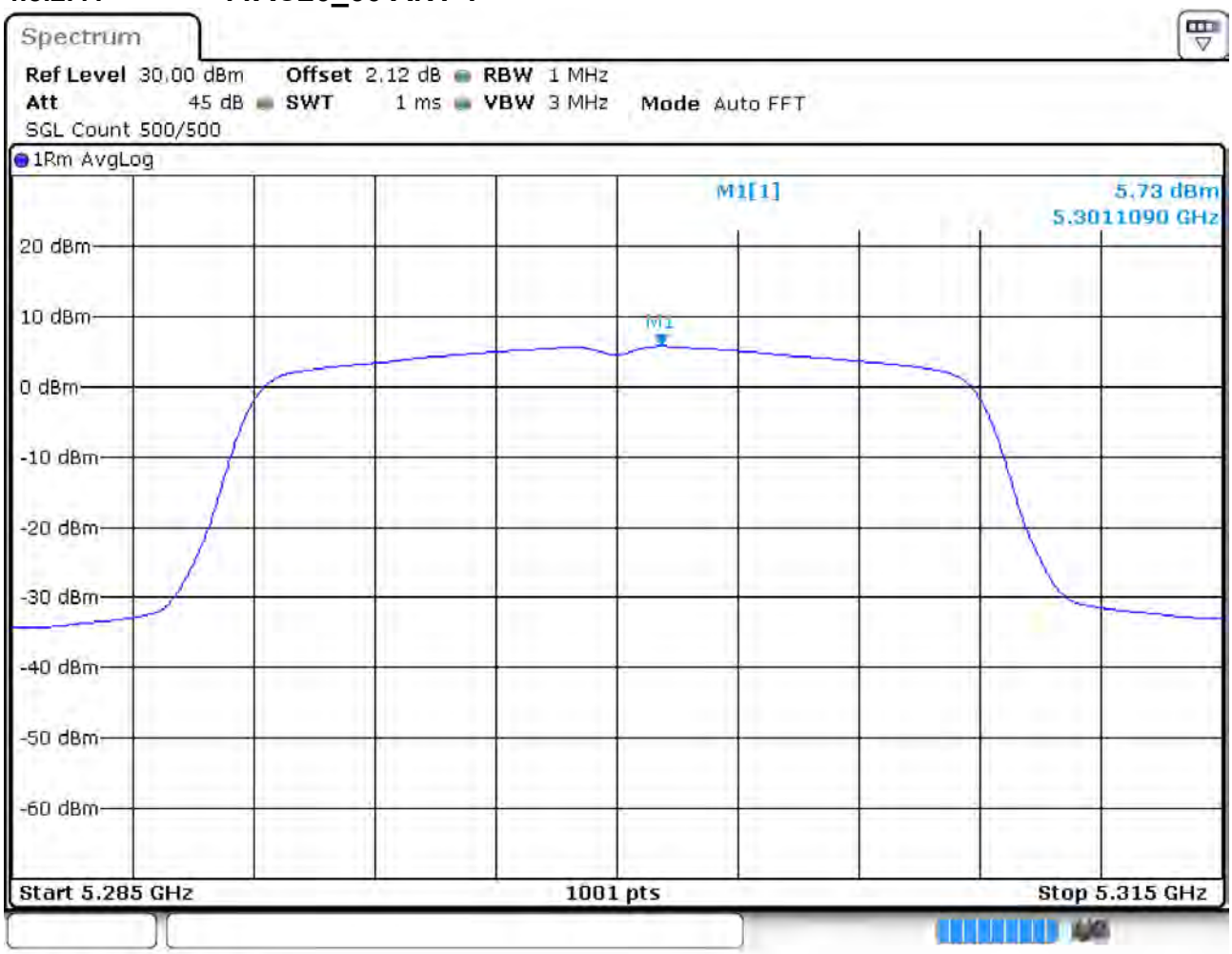
4.8.2.41 11AC20_60 ANT 1



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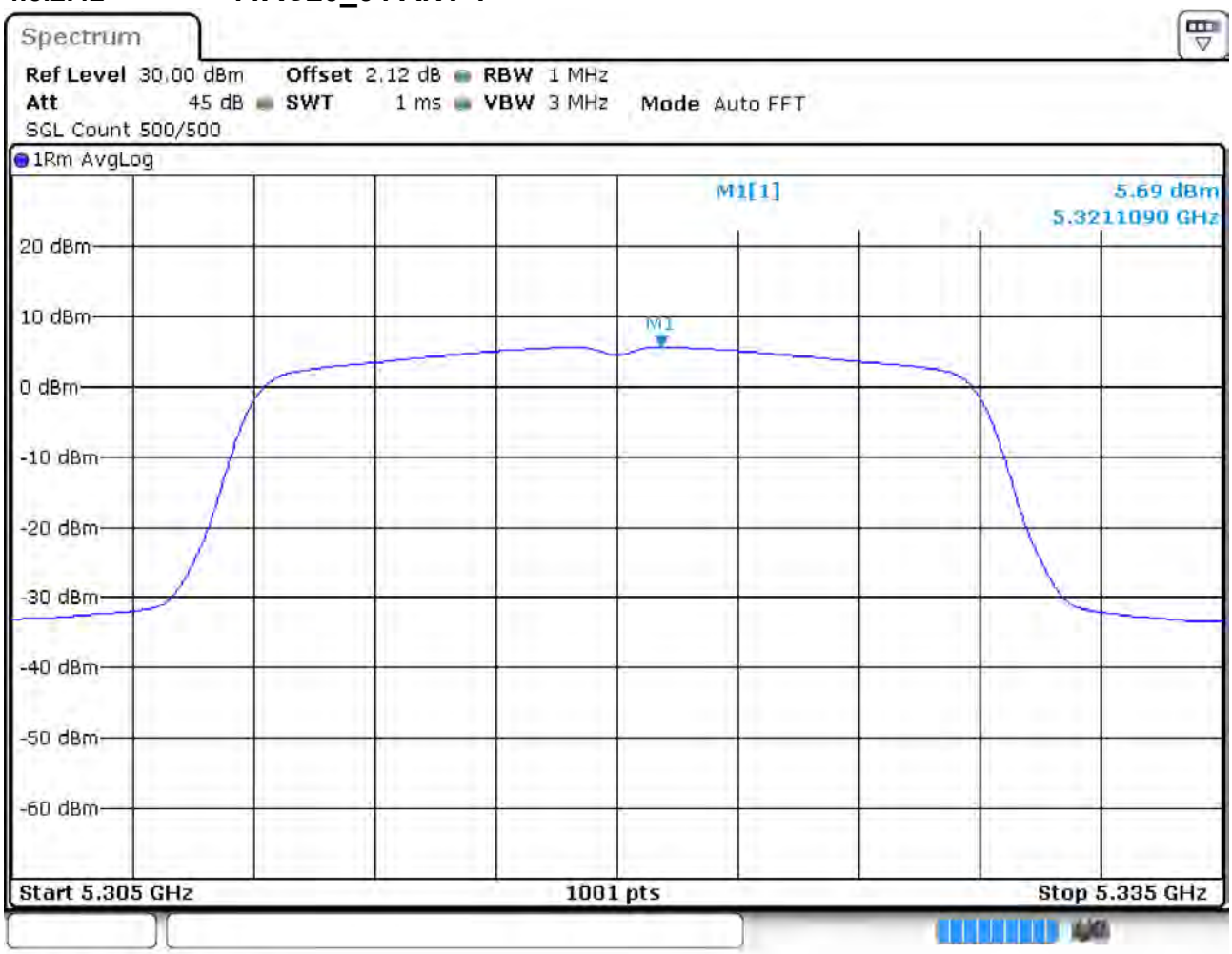
4.8.2.42 11AC20_64 ANT 1



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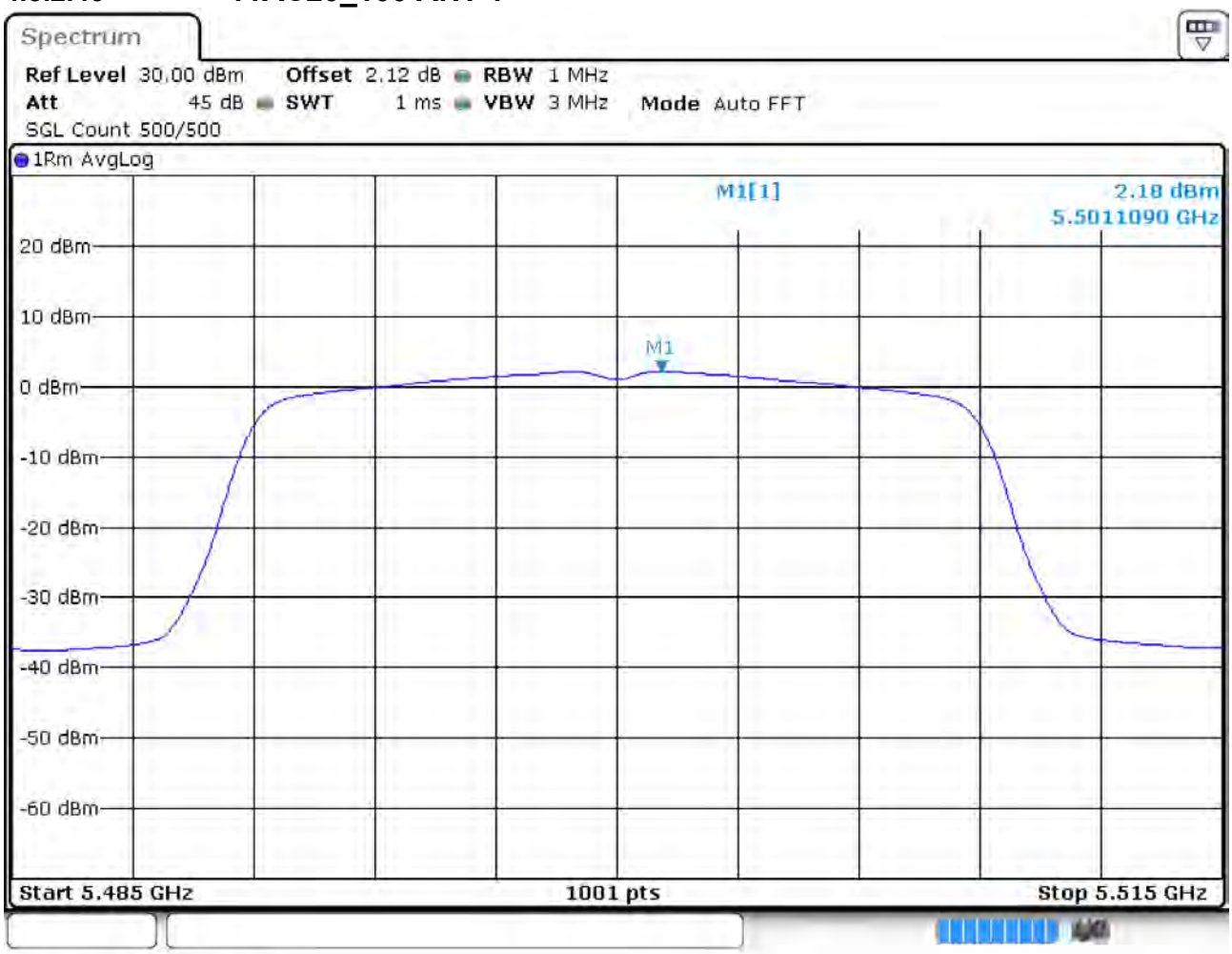
4.8.2.43 11AC20_100 ANT 1



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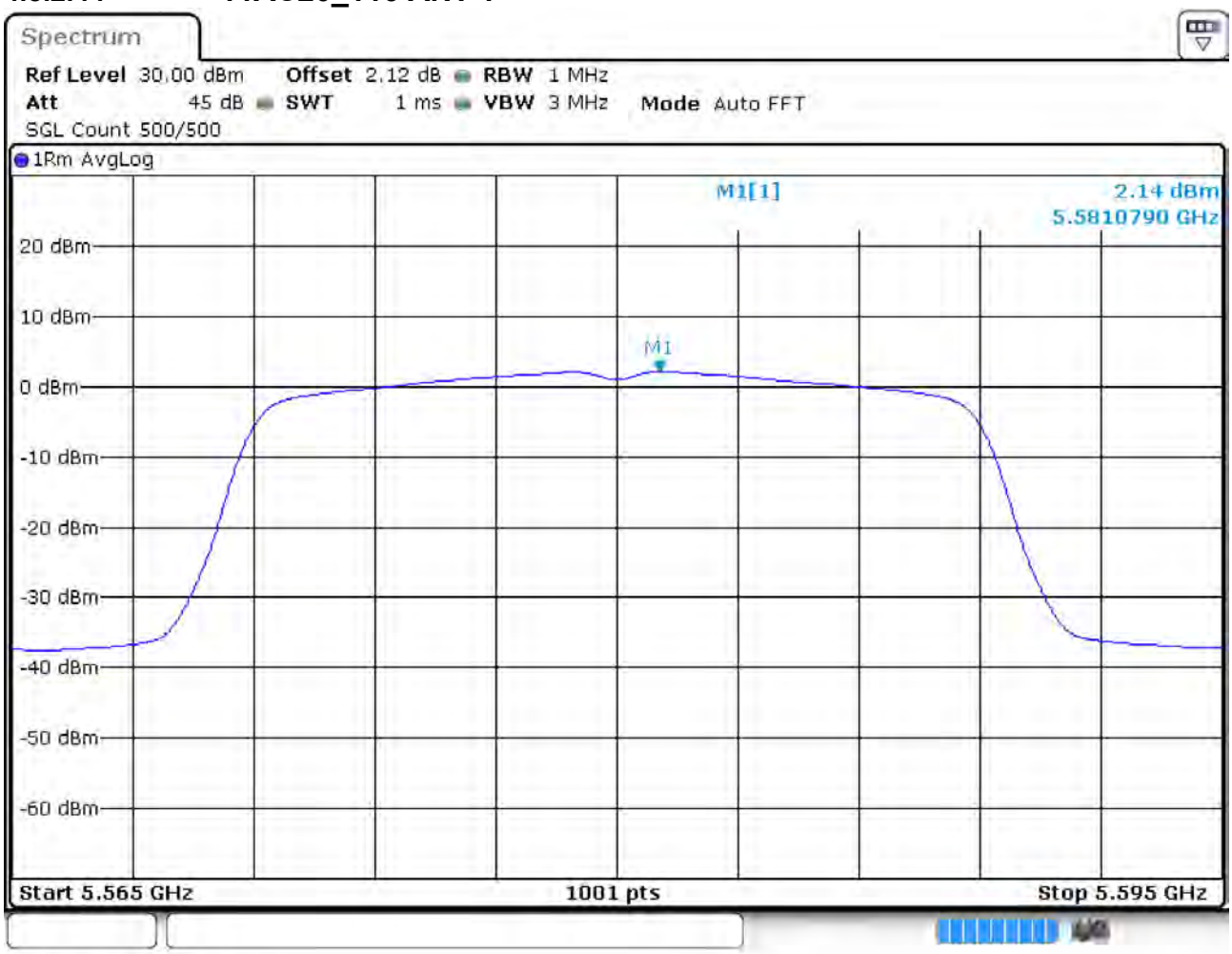
4.8.2.44 11AC20_116 ANT 1



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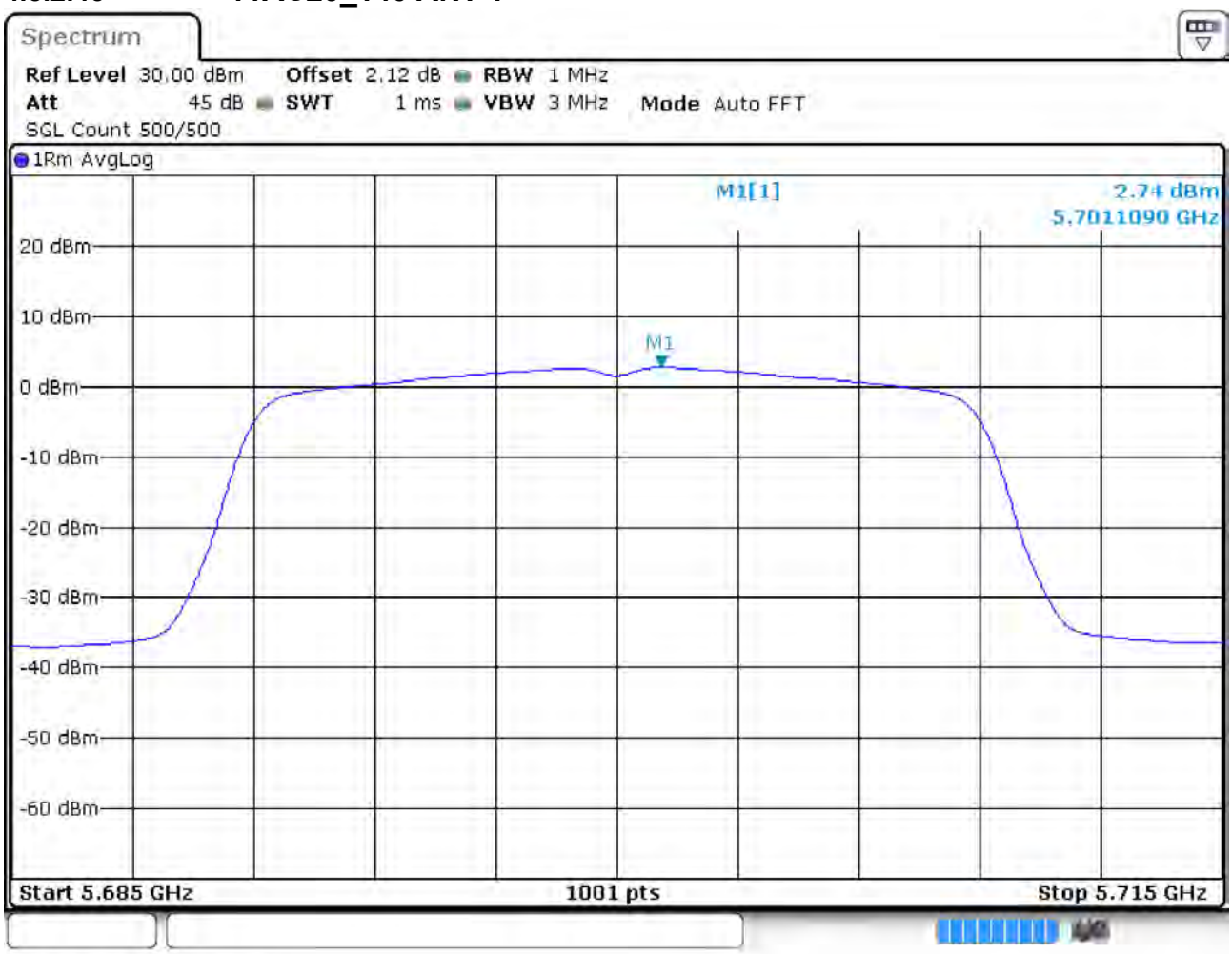

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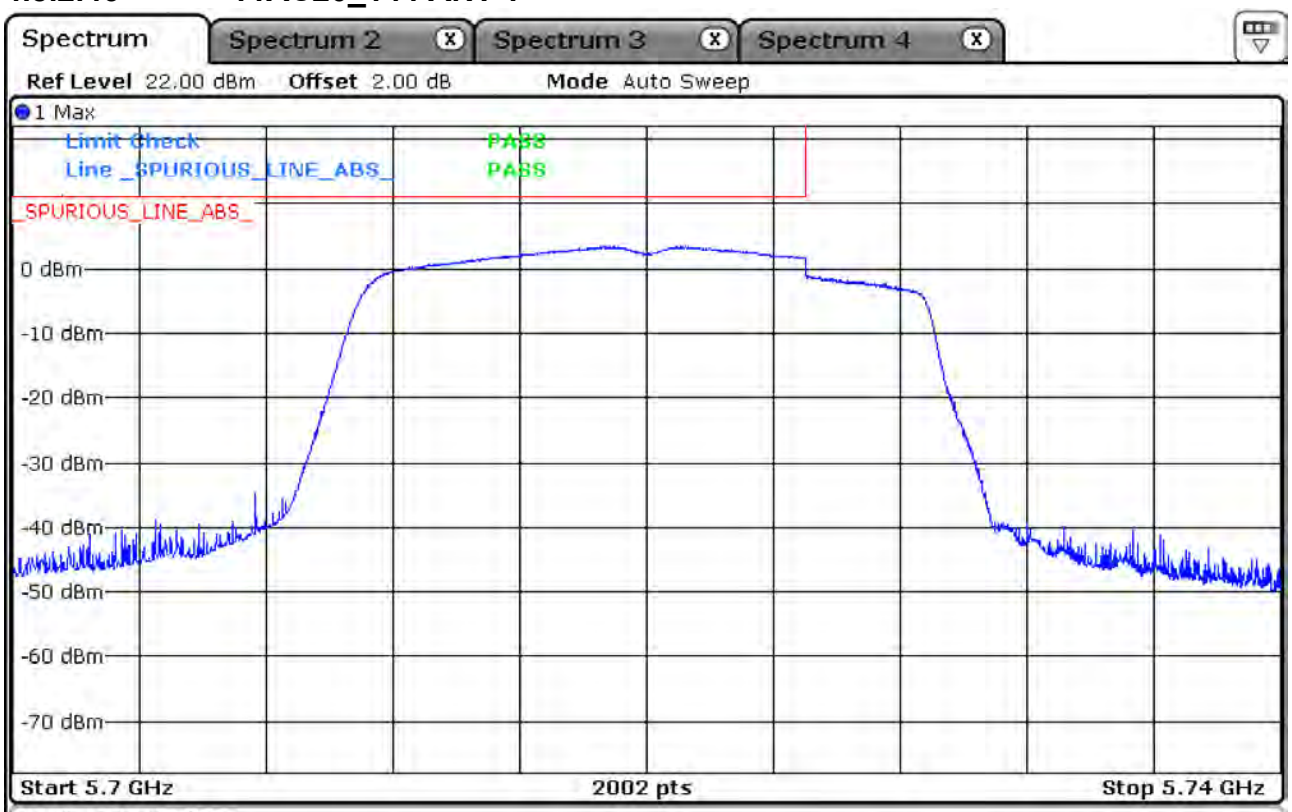
4.8.2.46 11AC20_144 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.700 GHz	5.725 GHz	1.000 MHz	5.72122 GHz	3.40 dBm	-7.60 dB
5.725 GHz	5.740 GHz	500.000 kHz	5.72507 GHz	-1.07 dBm	-31.07 dB

Date: 21.OCT.2020 10:23:48

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4.8.2.47 11AC20_149 ANT 1

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4.8.2.48 11AC20_157 ANT 1

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4.8.2.49 11AC20_165 ANT 1

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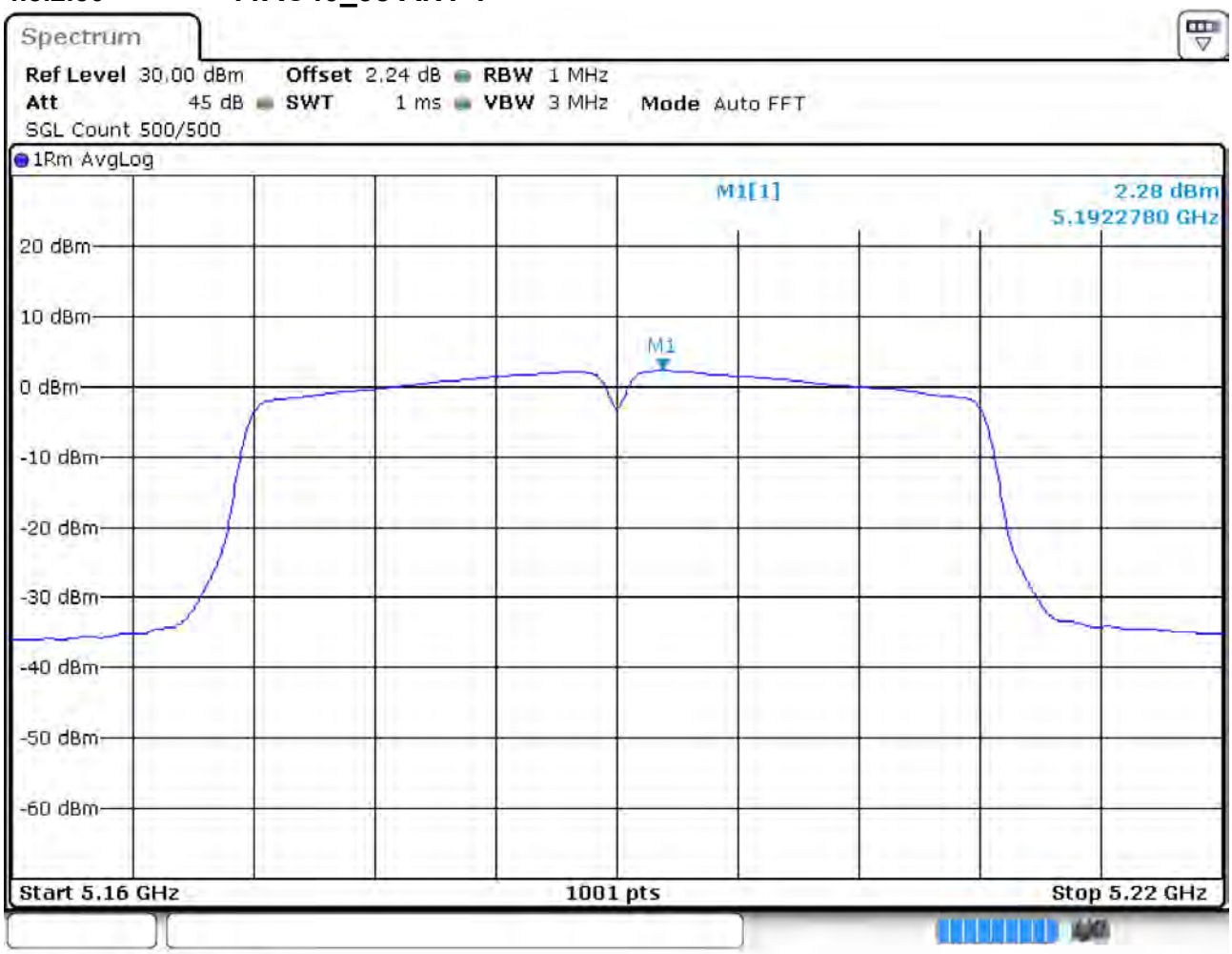
4.8.2.50 11AC40_38 ANT 1



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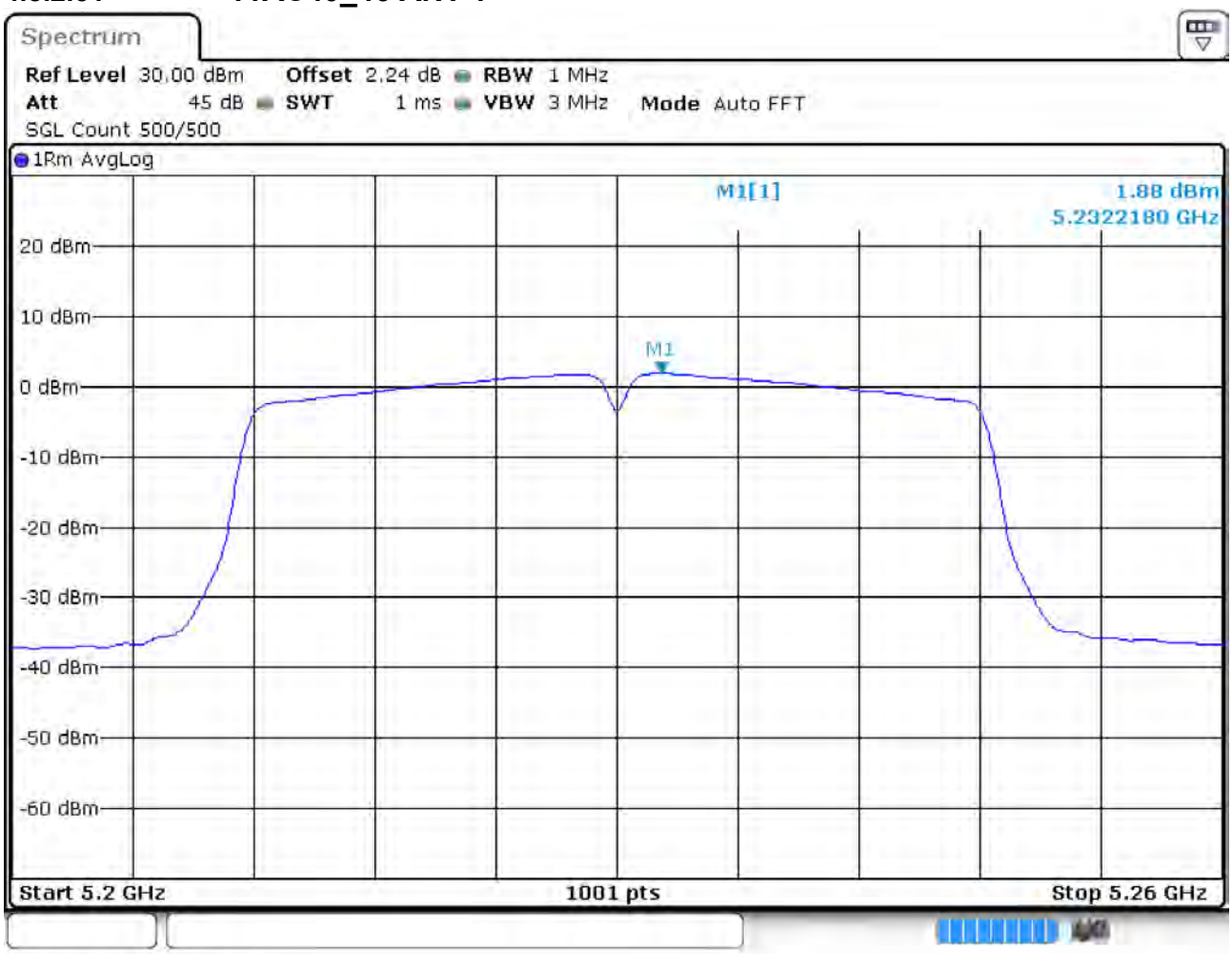
4.8.2.51 11AC40_46 ANT 1



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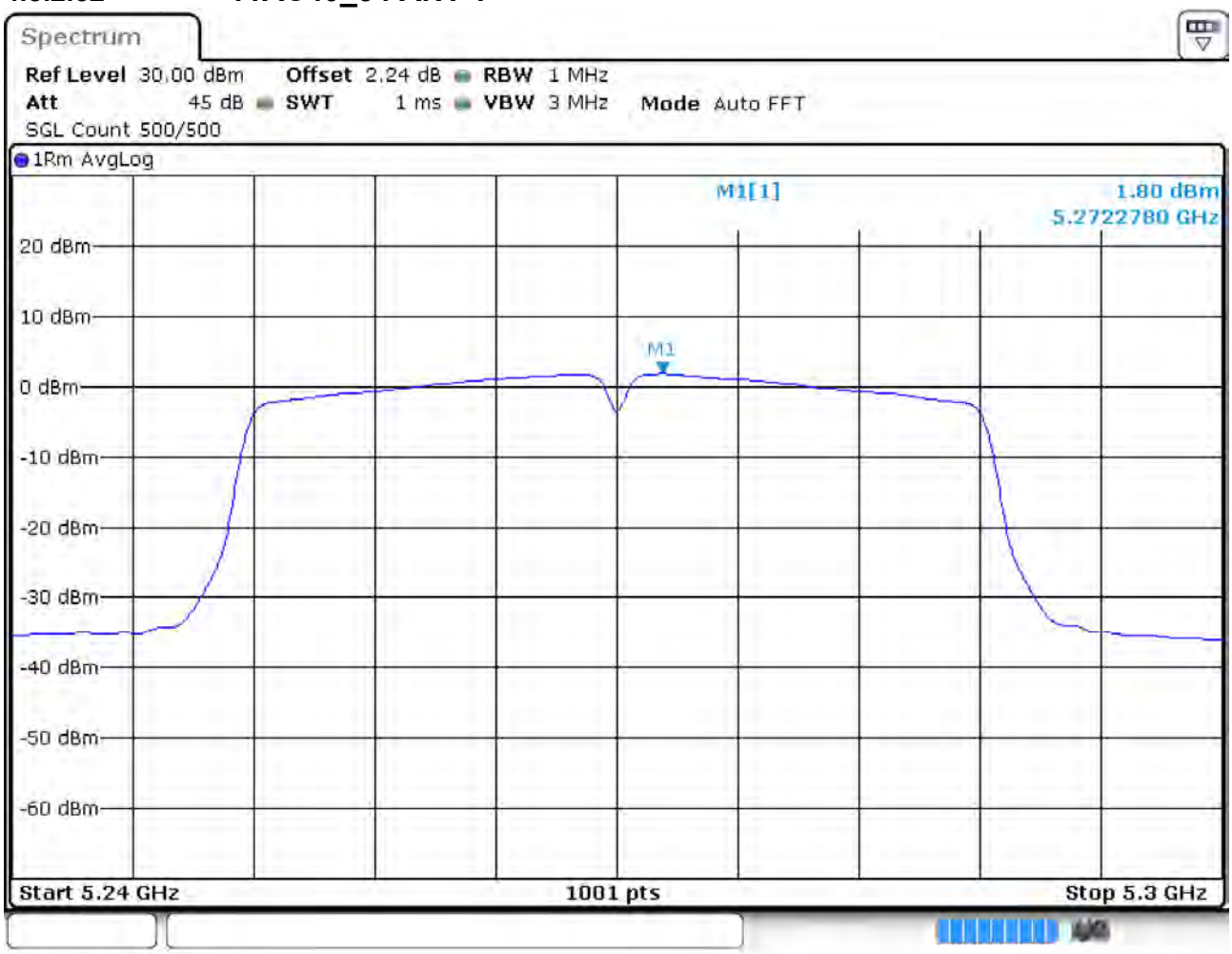
4.8.2.52 11AC40_54 ANT 1



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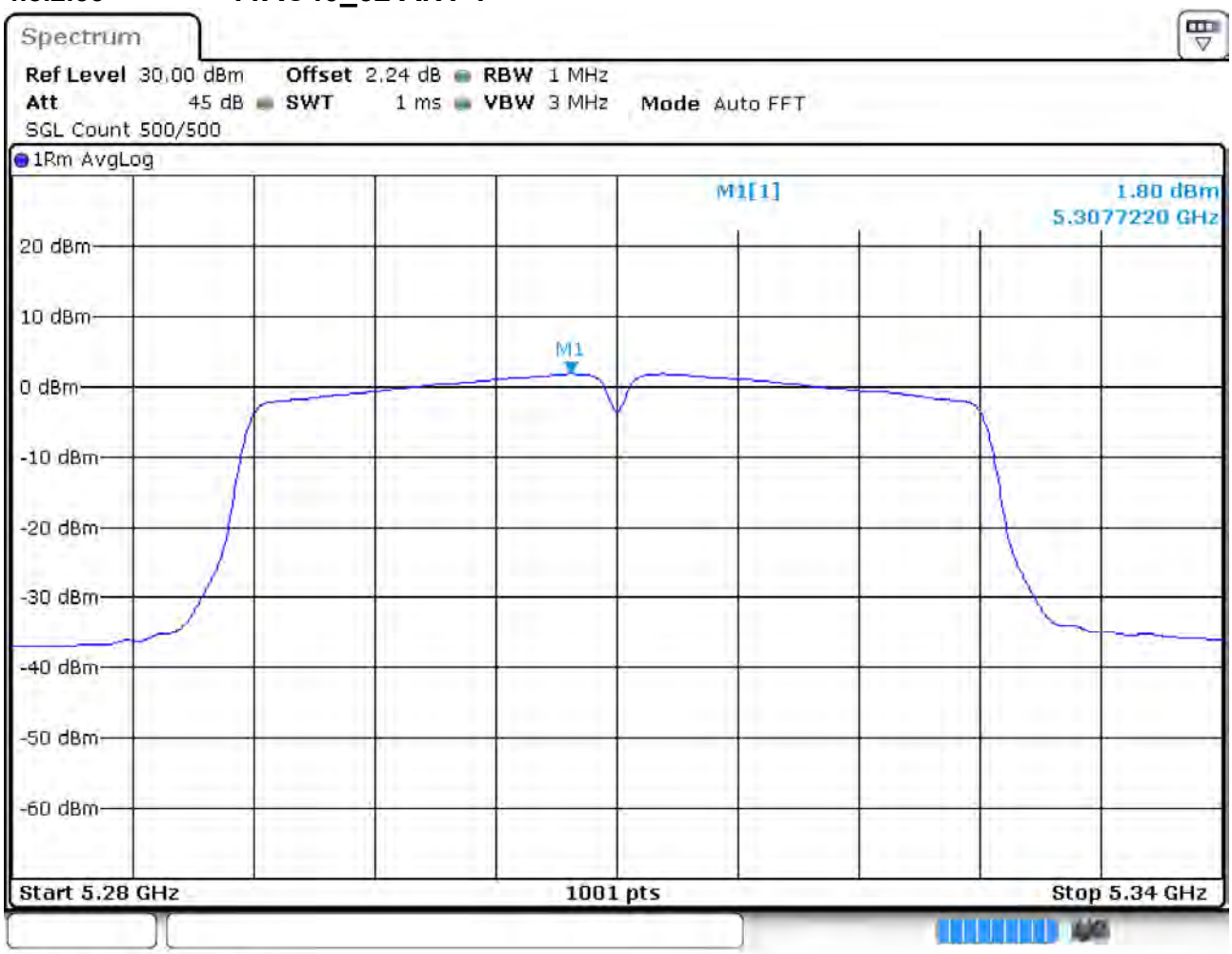
4.8.2.53 11AC40_62 ANT 1



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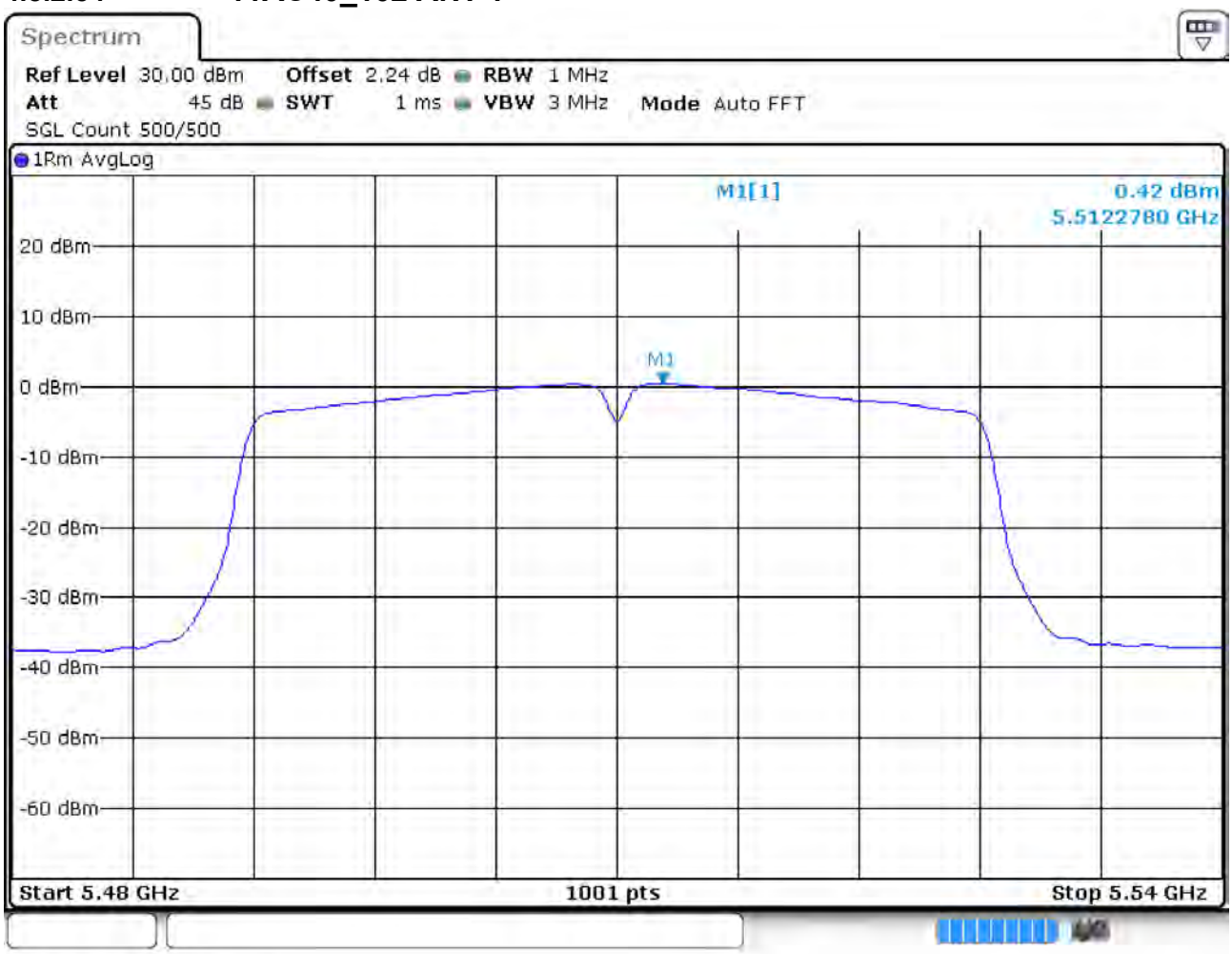
4.8.2.54 11AC40_102 ANT 1



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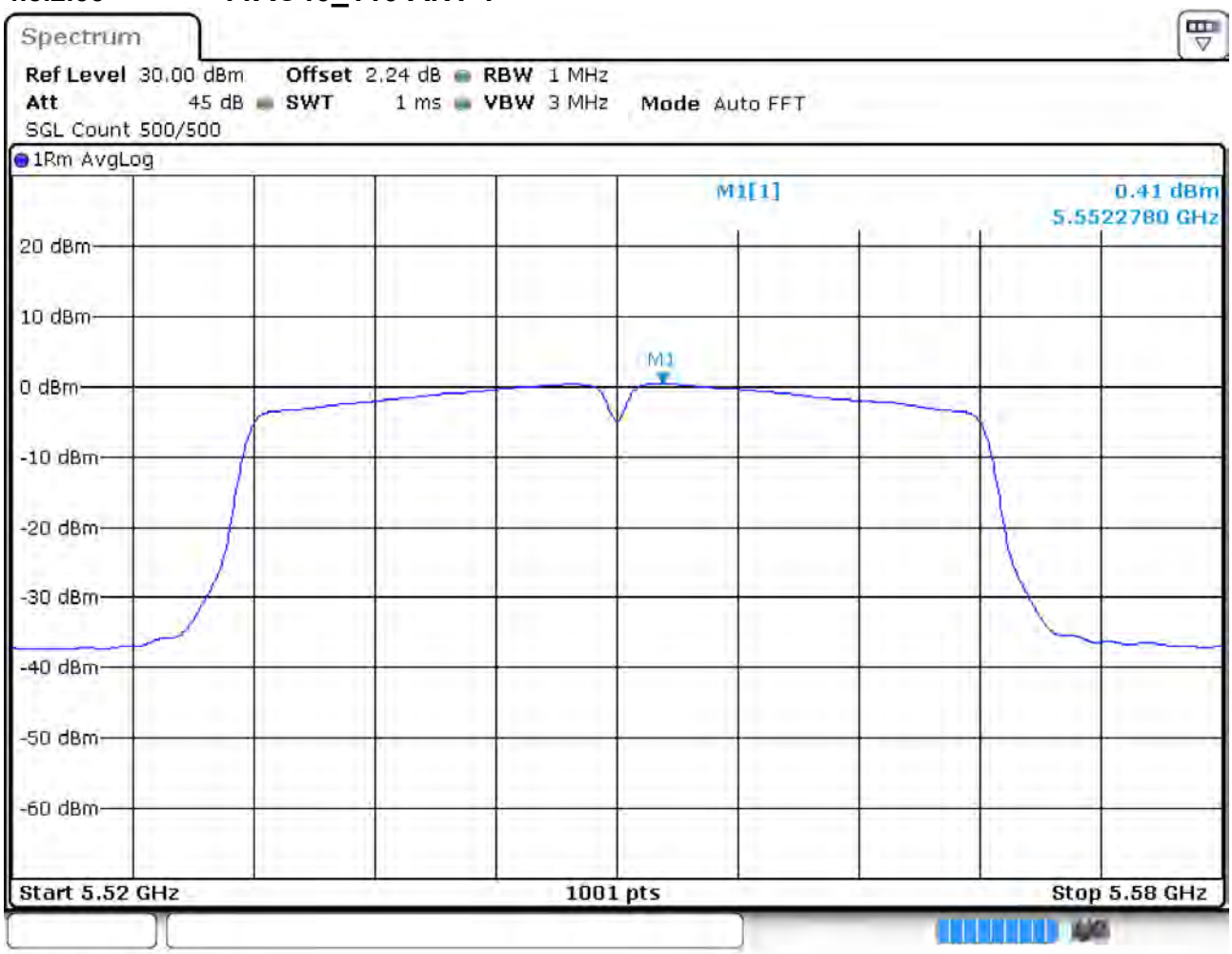
4.8.2.55 11AC40_110 ANT 1



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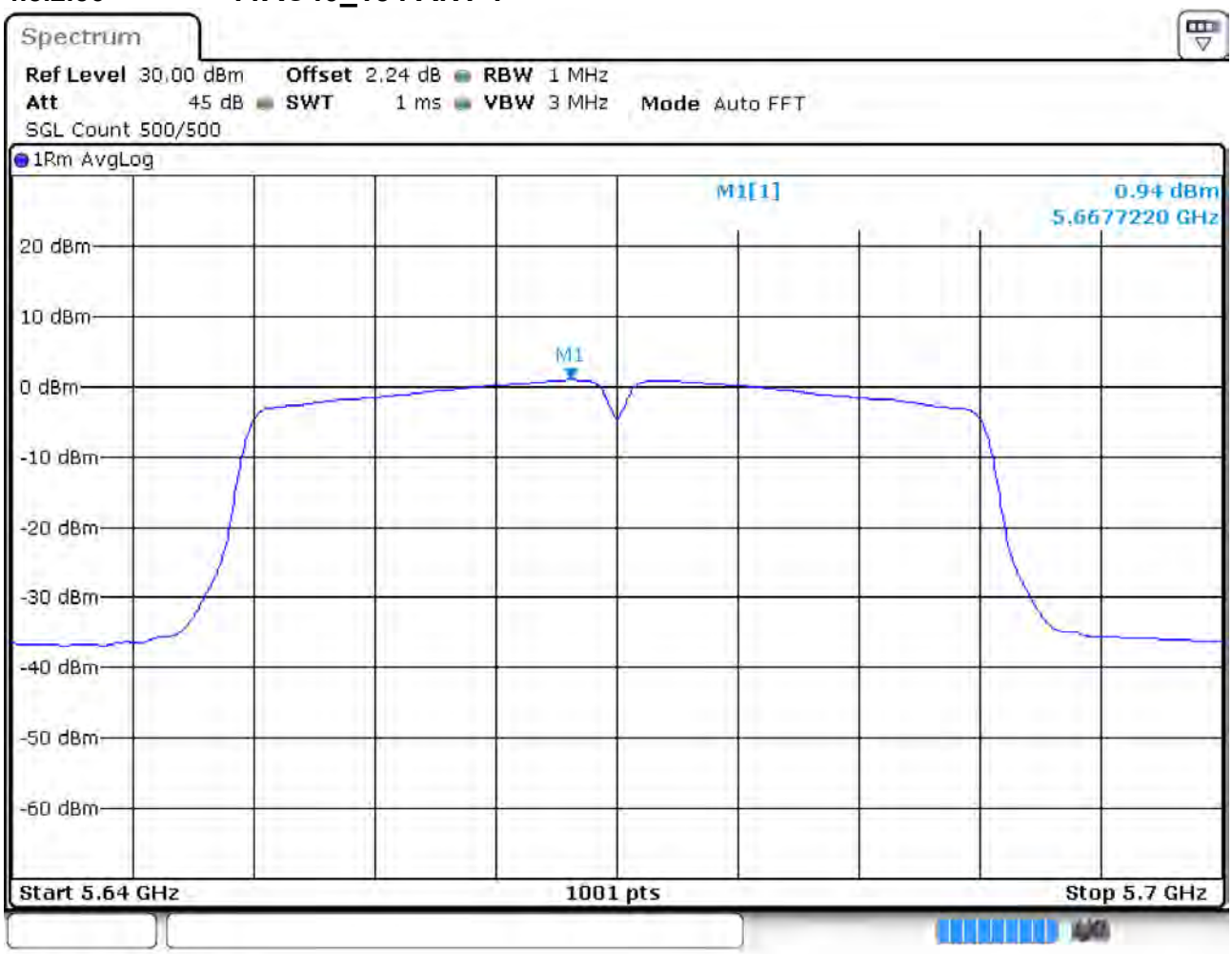
4.8.2.56 11AC40_134 ANT 1



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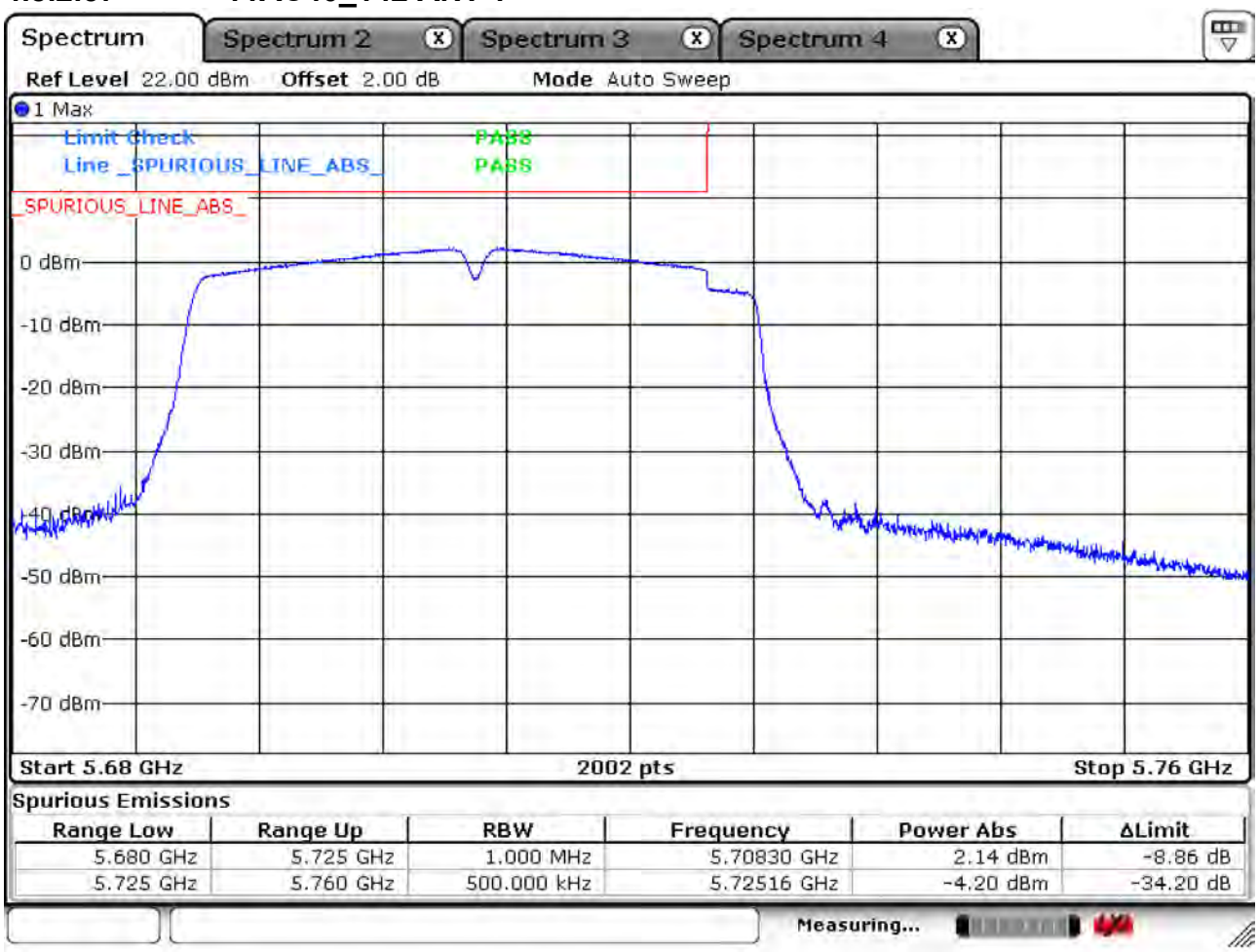
4.8.2.57 11AC40_142 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.680 GHz	5.725 GHz	1.000 MHz	5.70830 GHz	2.14 dBm	-8.86 dB
5.725 GHz	5.760 GHz	500.000 kHz	5.72516 GHz	-4.20 dBm	-34.20 dB

Date: 21.OCT.2020 10:33:07

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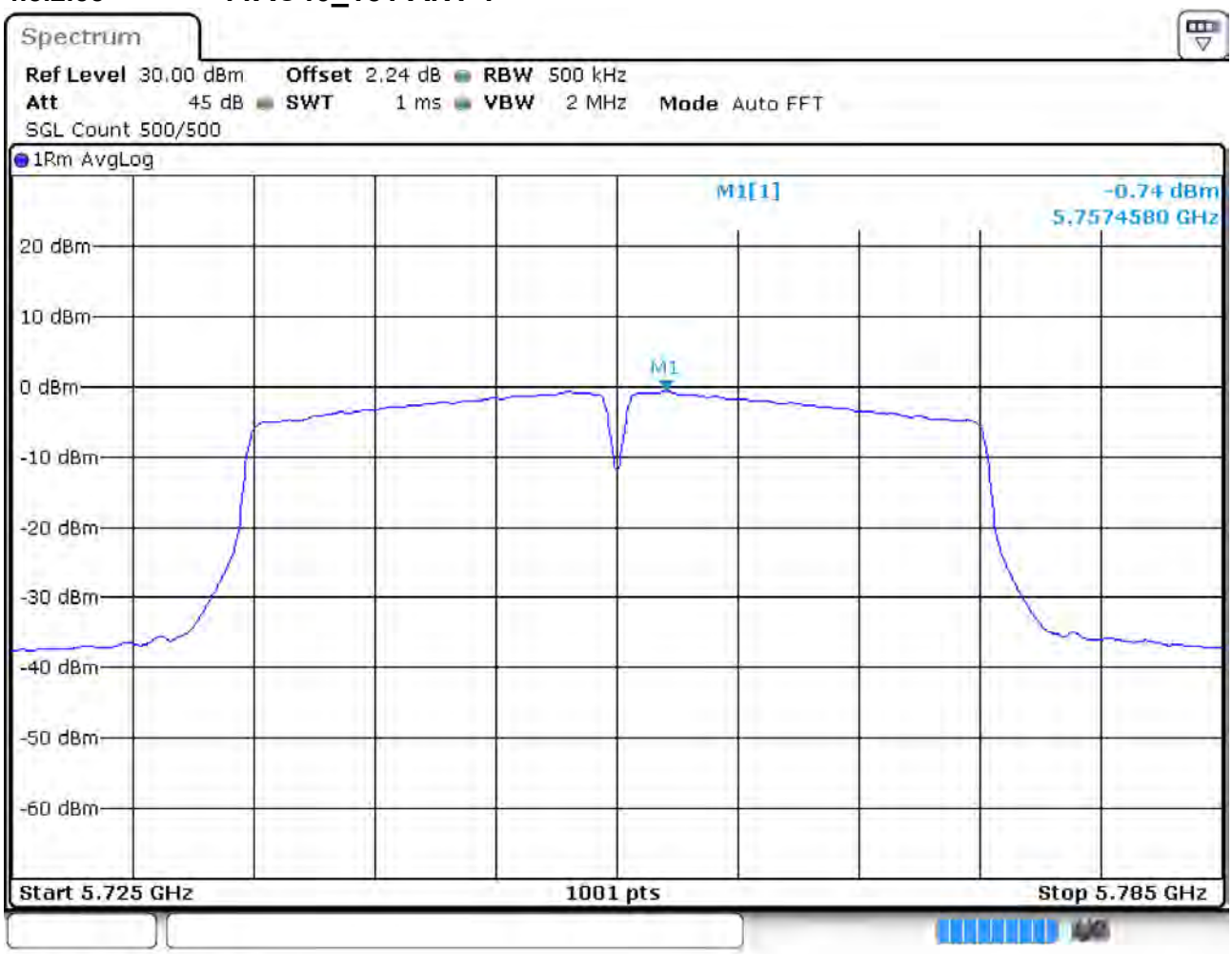
4.8.2.58 11AC40_151 ANT 1



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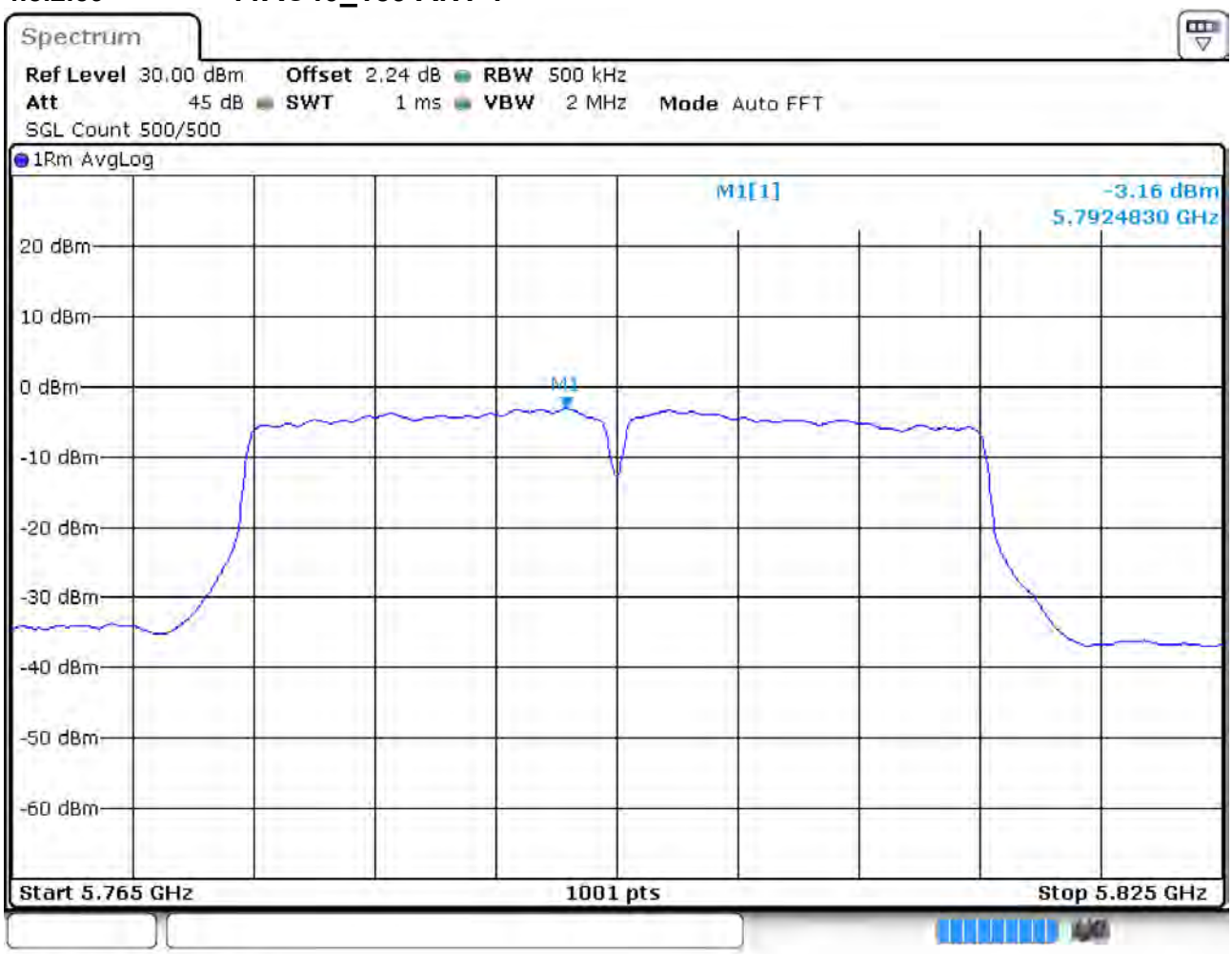
4.8.2.59 11AC40_159 ANT 1



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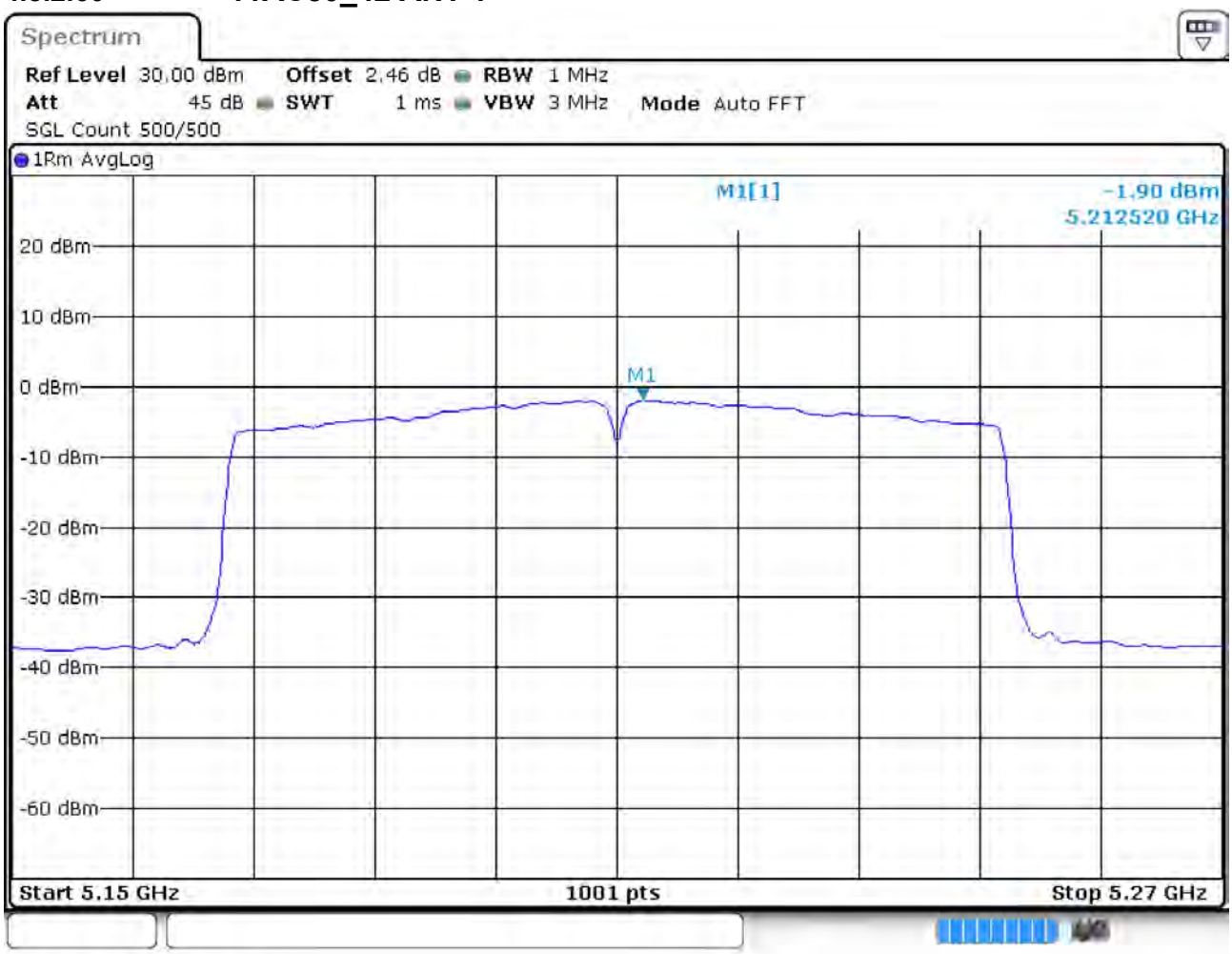
4.8.2.60 11AC80_42 ANT 1



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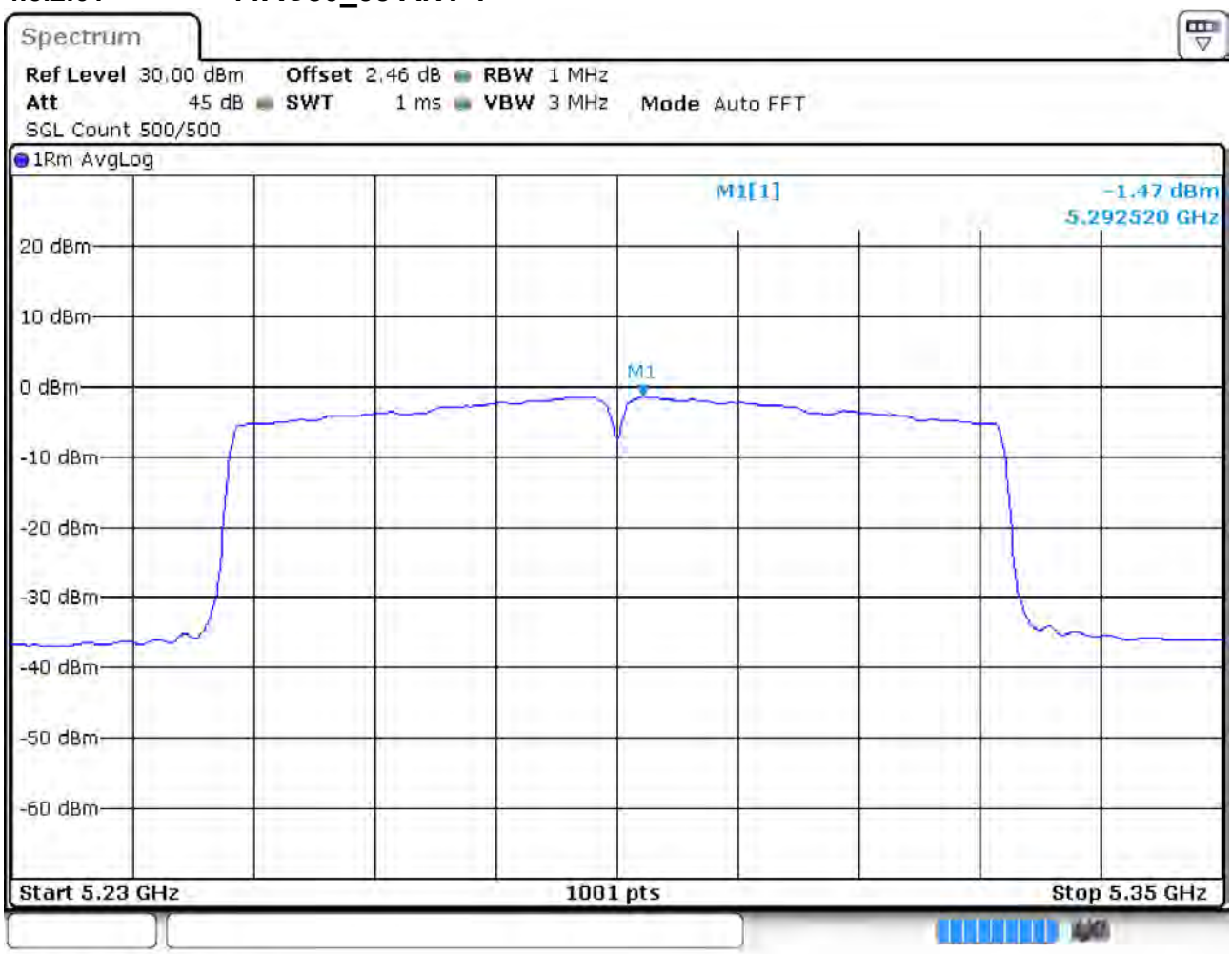
4.8.2.61 11AC80_58 ANT 1



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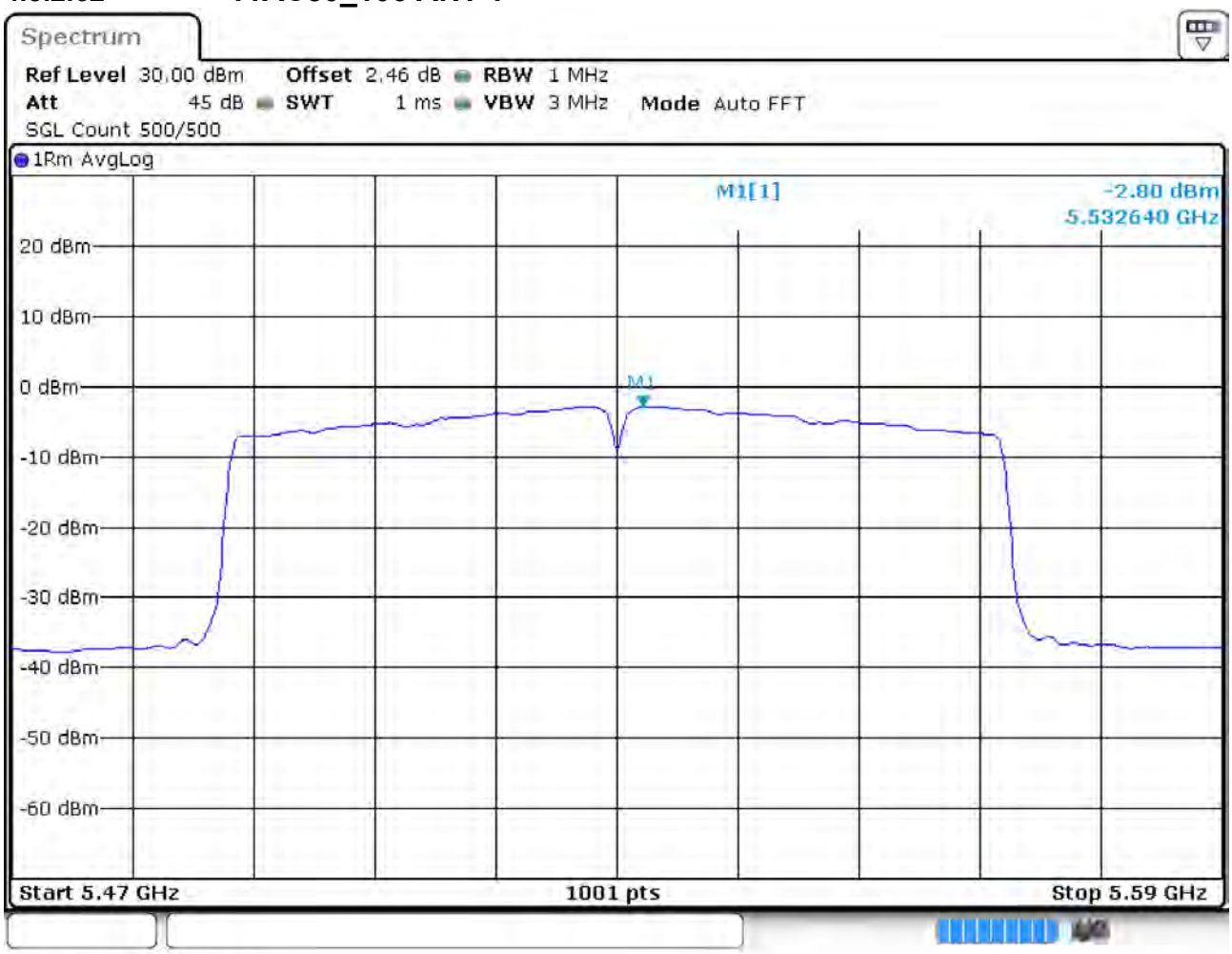
4.8.2.62 11AC80_106 ANT 1



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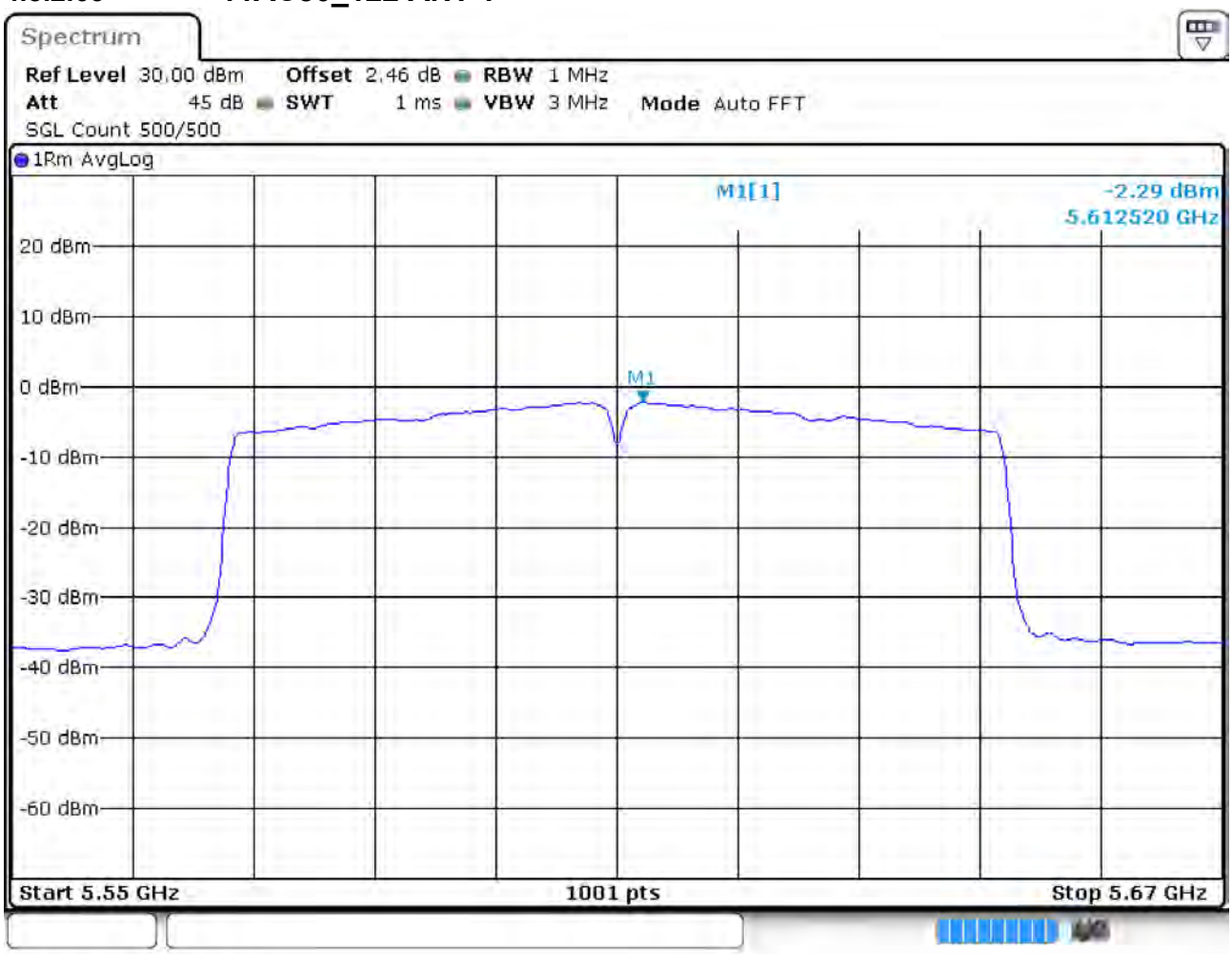
4.8.2.63 11AC80_122 ANT 1



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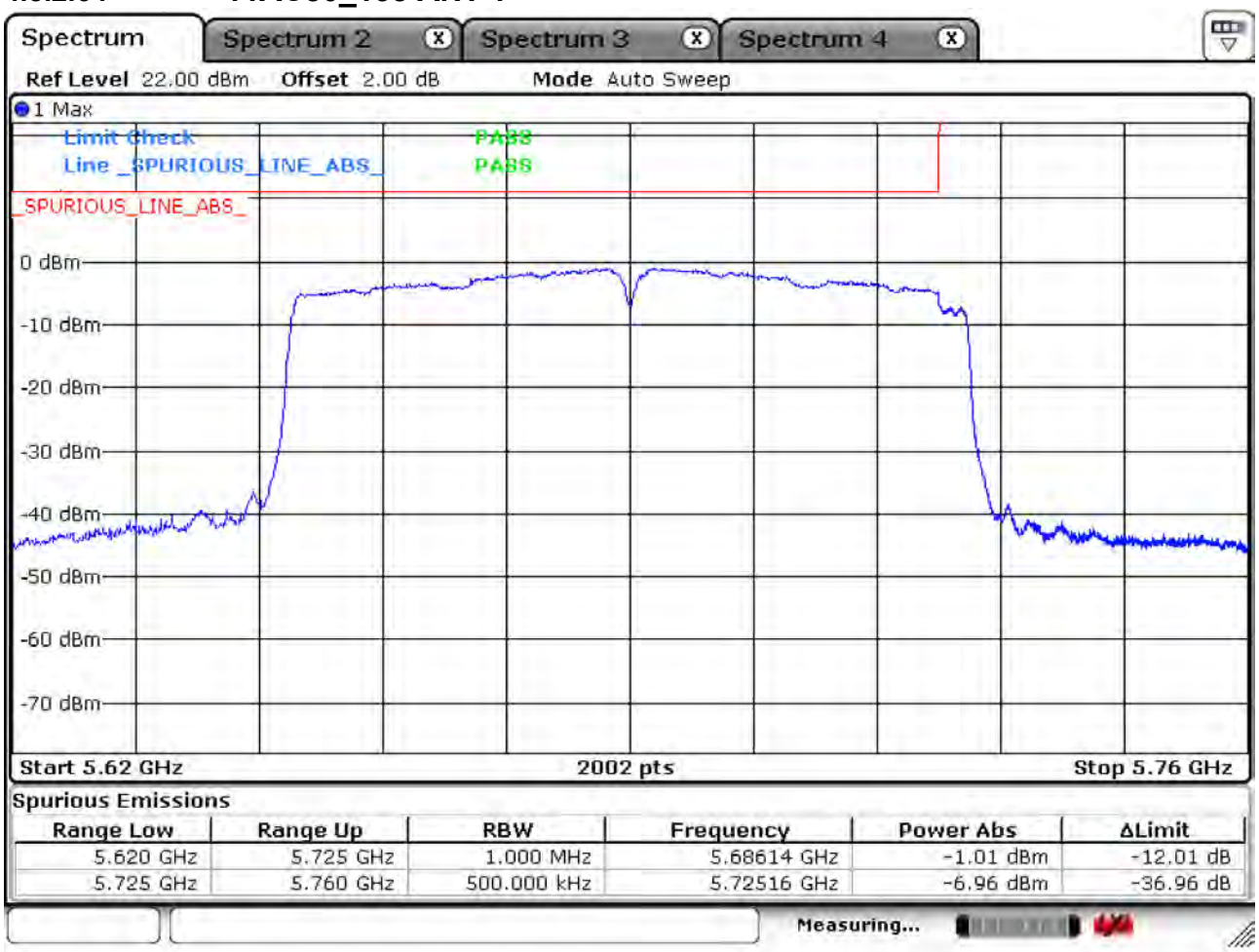
4.8.2.64 11AC80_138 ANT 1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.620 GHz	5.725 GHz	1.000 MHz	5.68614 GHz	-1.01 dBm	-12.01 dB
5.725 GHz	5.760 GHz	500.000 kHz	5.72516 GHz	-6.96 dBm	-36.96 dB

Date: 21.OCT.2020 10:36:39

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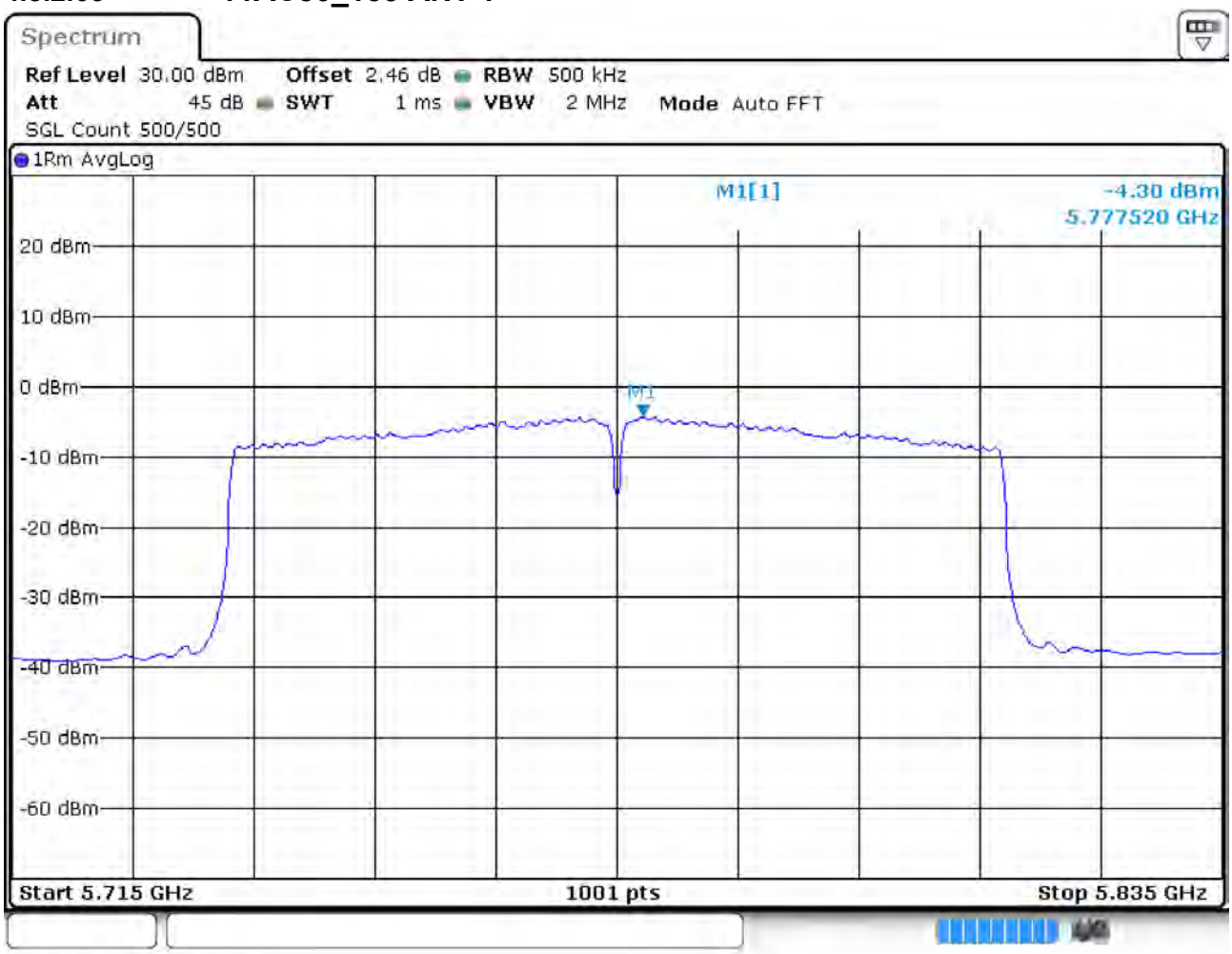
4.8.2.65 11AC80_155 ANT 1



Date: 18.SEP.2020 15:30:06

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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:	

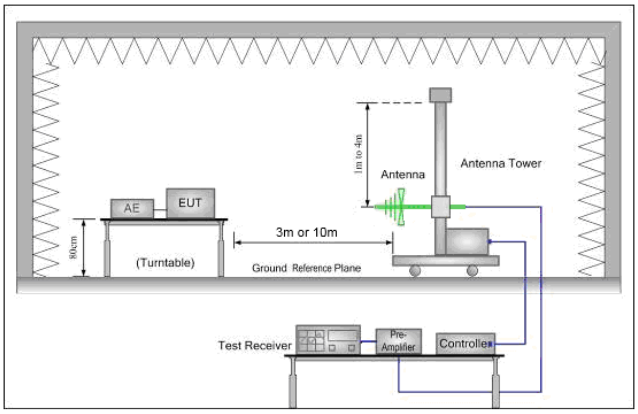

Figure 1. 30MHz to 1GHz

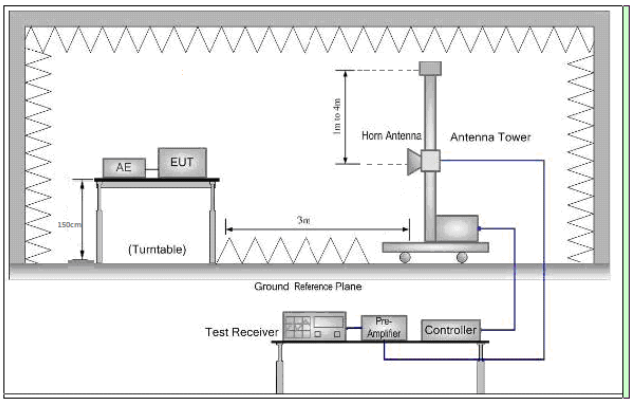

Figure 2. Above 1 GHz

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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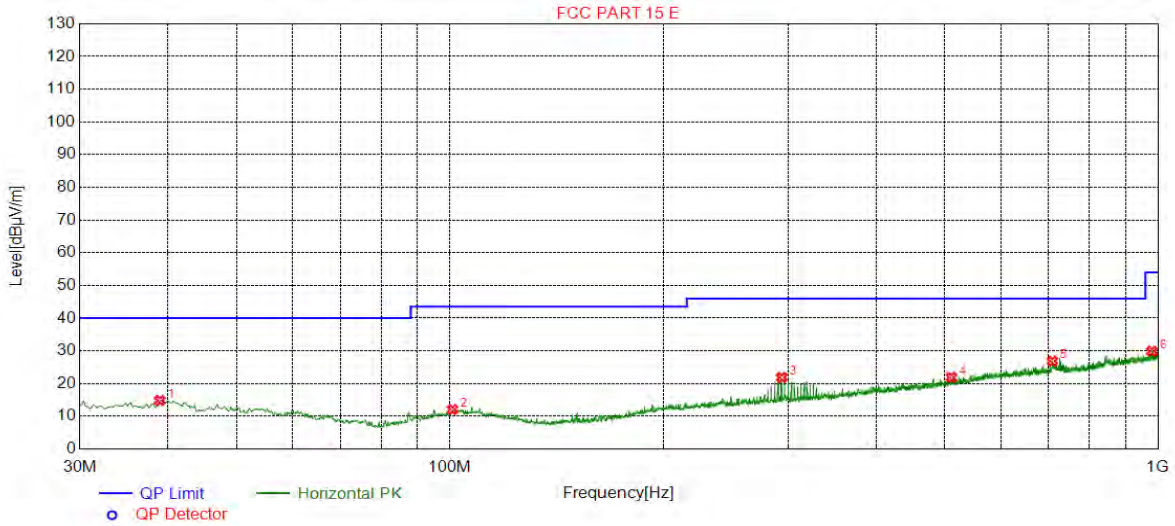
4.9.1 Radiated emission below 1GHz

Test Graph



Suspected List

Suspected List								
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1	38.9258	14.83	-28.69	40.00	25.17	100	40	Horizontal
2	100.8242	12.08	-32.00	43.50	31.42	100	329	Horizontal
3	294.2809	21.91	-28.48	46.00	24.09	100	271	Horizontal
4	510.6341	21.92	-23.05	46.00	24.08	100	227	Horizontal
5	709.3299	26.87	-19.29	46.00	19.13	200	320	Horizontal
6	980.5961	29.91	-15.06	54.00	24.09	100	346	Horizontal

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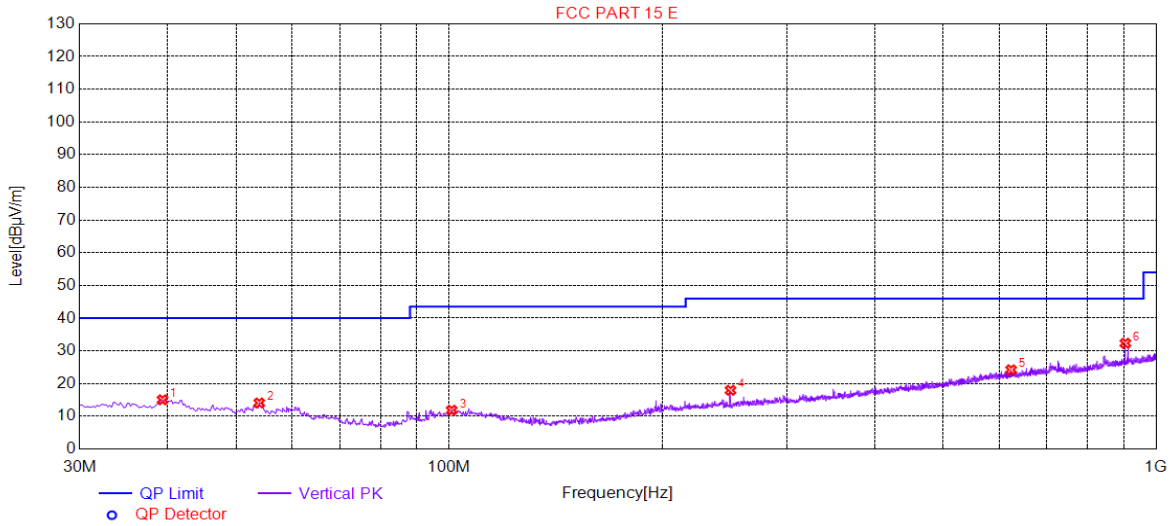
Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.3139	15.05	-28.56	40.00	24.95	100	93	Vertical
2	53.8668	14.10	-30.95	40.00	25.90	100	237	Vertical
3	100.824	11.86	-32.00	43.50	31.64	100	81	Vertical
4	250.040	17.96	-29.66	46.00	28.04	100	184	Vertical
5	623.564	24.23	-20.35	46.00	21.77	100	164	Vertical
6	904.726	32.36	-15.98	46.00	13.64	100	286	Vertical

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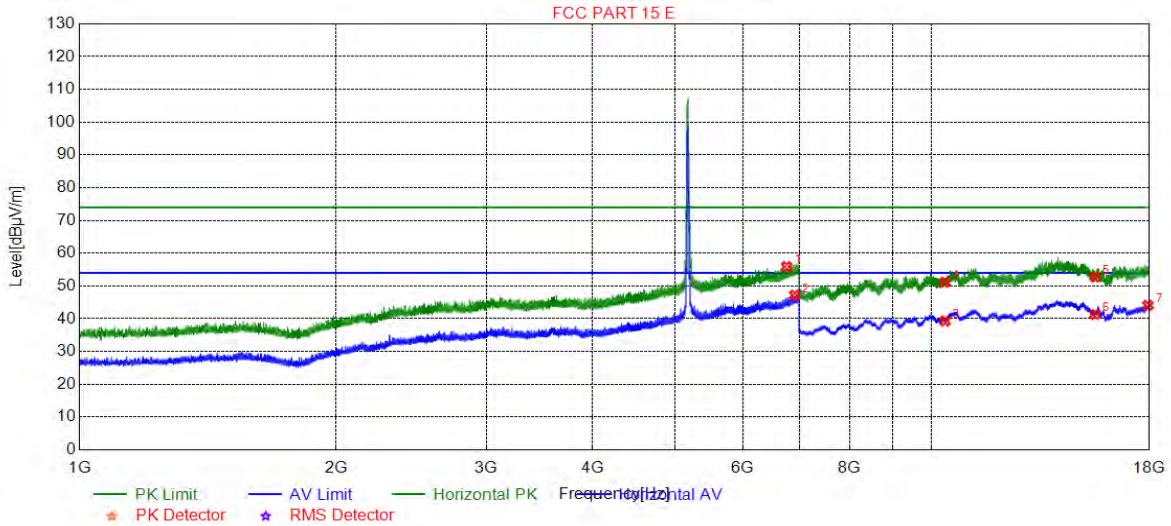
4.9.2 Transmitter emission above 1GHz

4.9.2.1 802.11A_Channel 36

Test Graph



Suspected List

Suspected List								
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1	6753.68	55.92	20.63	74.00	18.08	150	191	Horizontal
2	6903.09	47.23	20.84	54.00	6.77	150	242	Horizontal
3	10360.0	39.33	-3.63	54.00	14.67	150	243	Horizontal
4	10360.0	51.18	-3.63	74.00	22.82	150	144	Horizontal
5	15540.0	52.76	0.46	74.00	21.24	150	342	Horizontal
6	15540.0	41.32	0.46	54.00	12.68	150	193	Horizontal
7	17924.0	44.09	-1.30	54.00	9.91	150	193	Horizontal

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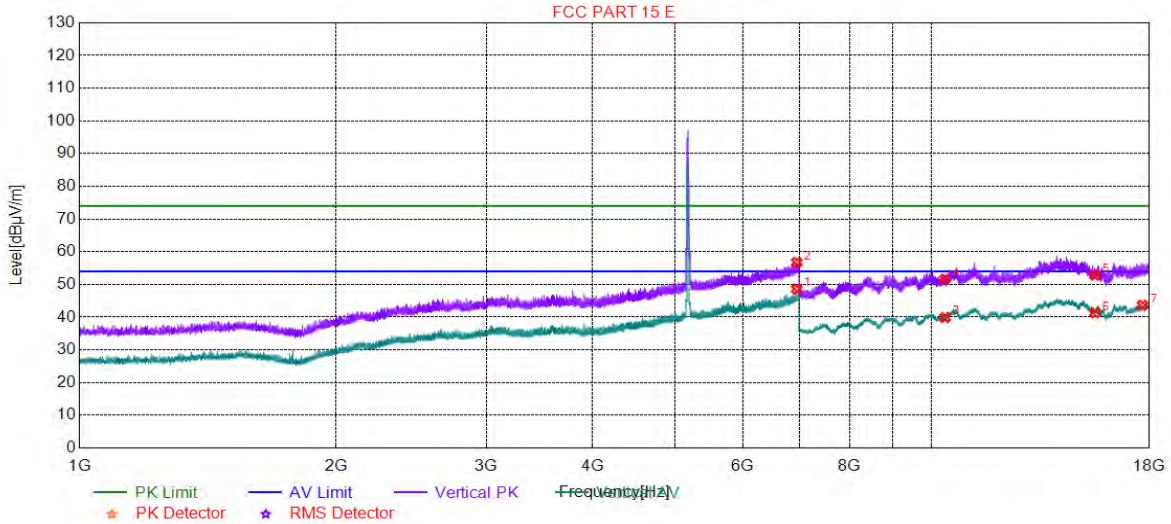
4.9.2.2 802.11A_Channel 36

Test Graph



Suspected List

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1	6940.89	48.62	21.17	54.00	5.38	150	18	Vertical
2	6941.79	56.76	21.18	74.00	17.24	150	360	Vertical
3	10360.0	39.91	-3.63	54.00	14.09	150	360	Vertical
4	10360.0	51.67	-3.63	74.00	22.33	150	68	Vertical
5	15540.0	52.81	0.46	74.00	21.19	150	118	Vertical
6	15540.0	41.31	0.46	54.00	12.69	150	269	Vertical
7	17662.2	43.68	-0.66	54.00	10.32	150	319	Vertical

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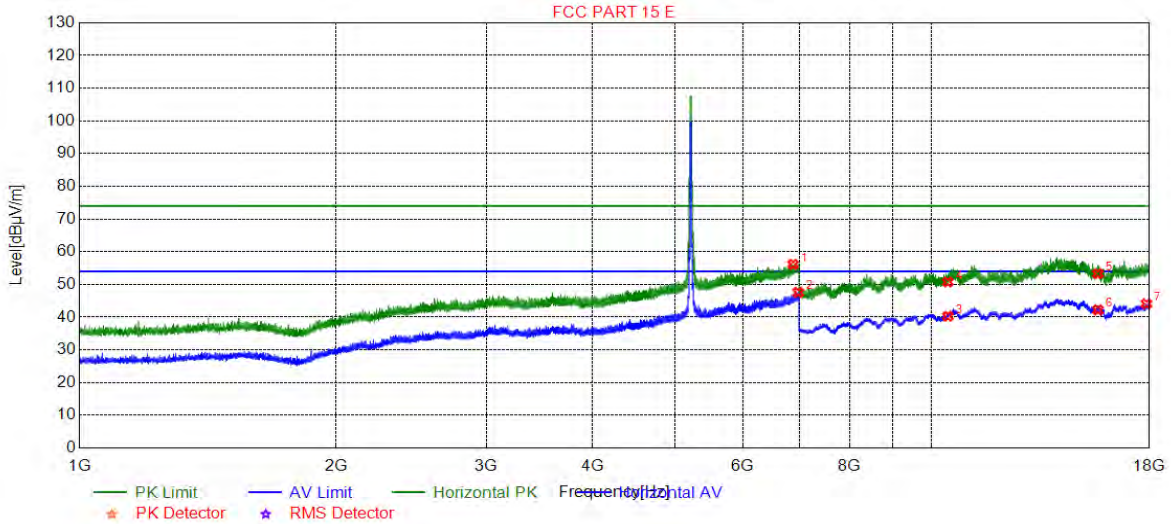
4.9.2.3 802.11A_Channel 44

Test Graph



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NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6871.89	56.16	20.85	74.00	17.84	150	40	Horizontal
2	6970.29	47.58	21.26	54.00	6.42	150	342	Horizontal
3	10440.0	40.30	-3.24	54.00	13.70	150	18	Vertical
4	10440.0	50.75	-3.24	74.00	23.25	150	92	Horizontal
5	15660.0	53.30	0.43	74.00	20.70	150	291	Horizontal
6	15660.0	42.23	0.43	54.00	11.77	150	219	Vertical
7	17852.5	44.09	-1.94	54.00	9.91	150	360	Vertical

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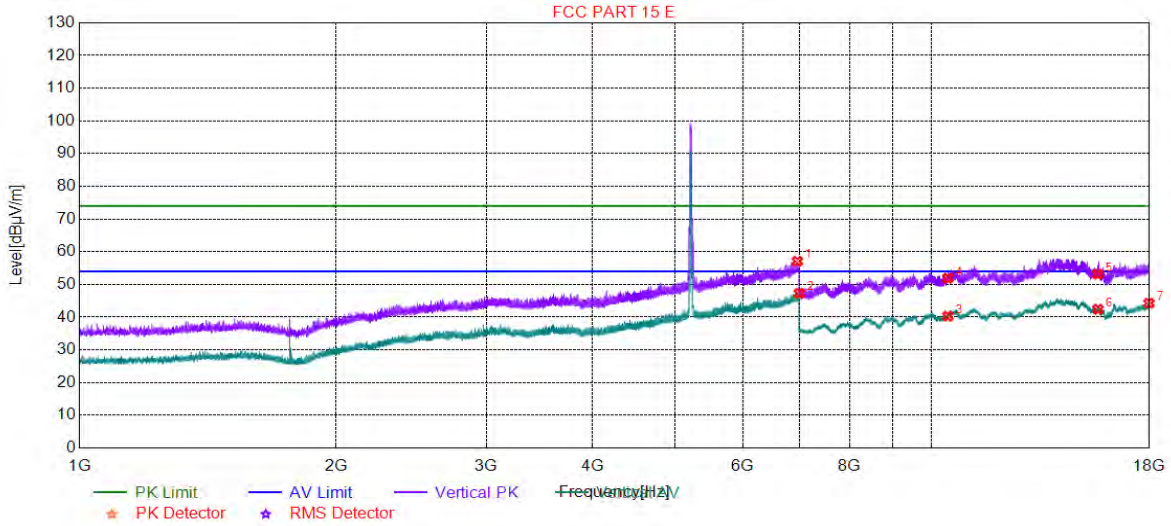
4.9.2.4 802.11A_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6951.69	57.09	21.26	74.00	16.91	150	69	Vertical
2	6987.69	47.31	21.27	54.00	6.69	150	268	Vertical
3	10440.0	40.34	-3.24	54.00	13.66	150	320	Vertical
4	10440.0	51.89	-3.24	74.00	22.11	150	219	Vertical
5	15660.0	53.15	0.43	74.00	20.85	150	219	Vertical
6	15660.0	42.42	0.43	54.00	11.58	150	270	Vertical
7	17970.8	44.29	-1.29	54.00	9.71	150	118	Vertical

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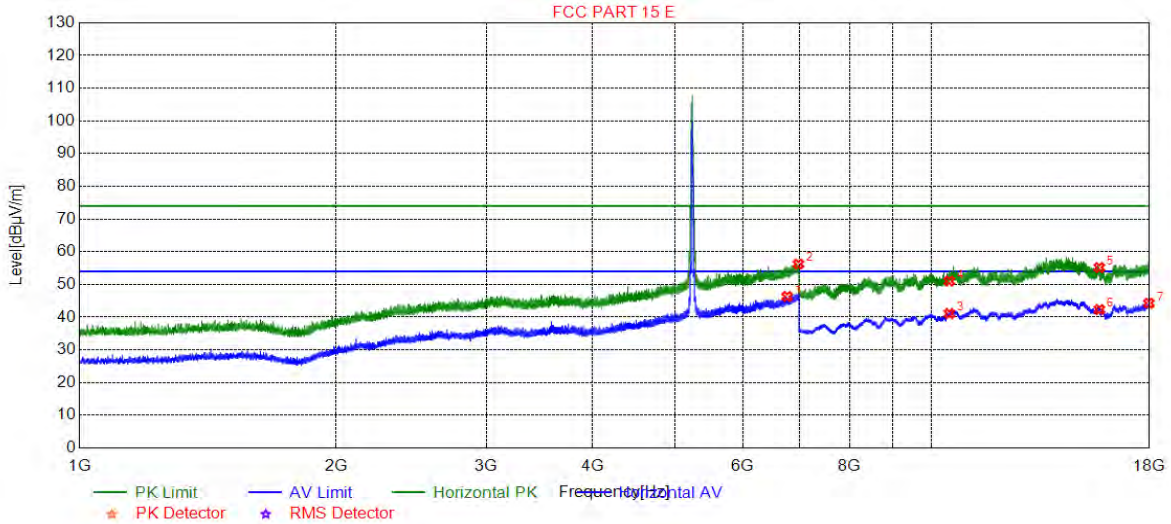
4.9.2.5 802.11A_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6763.58	46.34	20.58	54.00	7.66	150	91	Horizontal
2	6972.39	56.24	21.26	74.00	17.76	150	41	Horizontal
3	10480.0	41.10	-2.94	54.00	12.90	150	0	Horizontal
4	10480.0	51.06	-2.94	74.00	22.94	150	142	Horizontal
5	15720.0	55.20	0.29	74.00	18.80	150	42	Horizontal
6	15720.0	42.33	0.29	54.00	11.67	150	142	Horizontal
7	17968.0	44.27	-1.29	54.00	9.73	150	142	Horizontal

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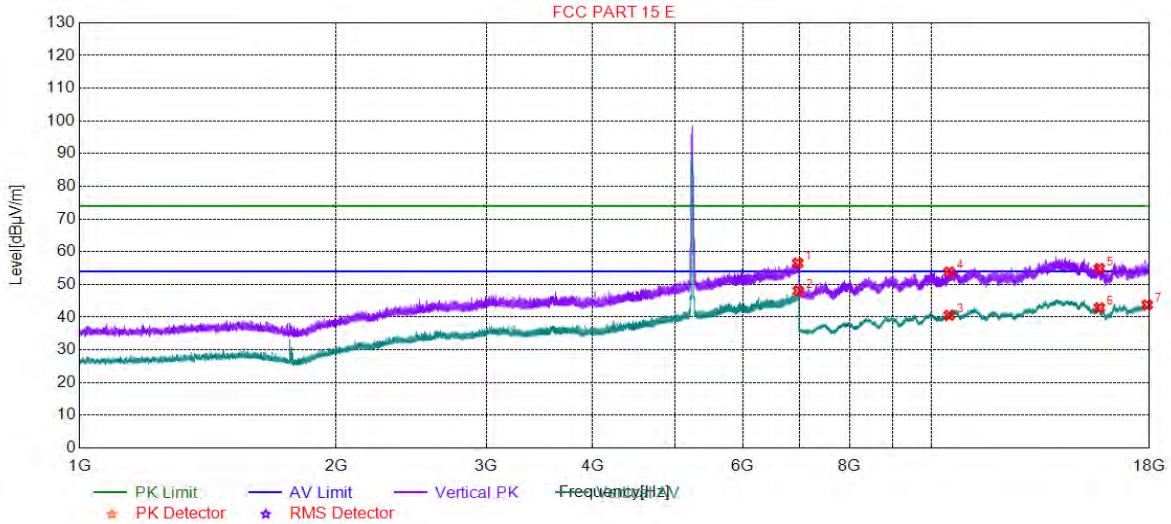
4.9.2.6 802.11A_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6961.29	56.56	21.26	74.00	17.44	150	360	Vertical
2	6971.79	48.09	21.26	54.00	5.91	150	220	Vertical
3	10480.0	40.59	-2.94	54.00	13.41	150	68	Vertical
4	10480.0	53.82	-2.94	74.00	20.18	150	68	Vertical
5	15720.0	54.93	0.29	74.00	19.07	150	118	Vertical
6	15720.0	42.89	0.29	54.00	11.11	150	168	Vertical
7	17893.2	43.78	-1.40	54.00	10.22	150	360	Vertical

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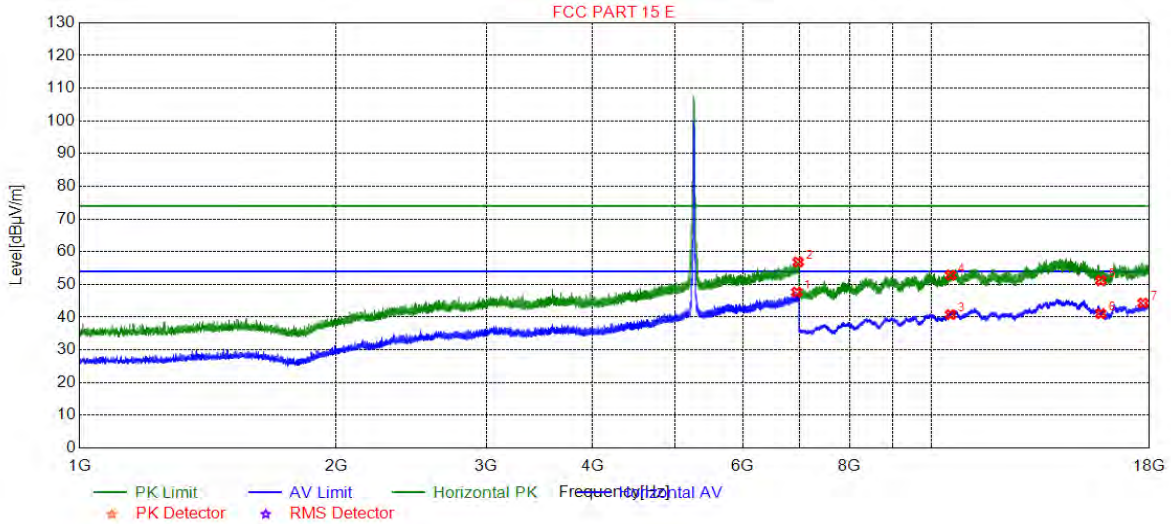
4.9.2.7 802.11A_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.89	47.66	21.17	54.00	6.34	150	142	Horizontal
2	6968.79	56.88	21.26	74.00	17.12	150	292	Horizontal
3	10520.0	40.79	-2.80	54.00	13.21	150	142	Horizontal
4	10520.0	52.86	-2.80	74.00	21.14	150	42	Horizontal
5	15780.0	51.20	-0.72	74.00	22.80	150	92	Horizontal
6	15780.0	41.05	-0.72	54.00	12.95	150	342	Horizontal
7	17691.4	44.30	-0.64	54.00	9.70	150	242	Horizontal

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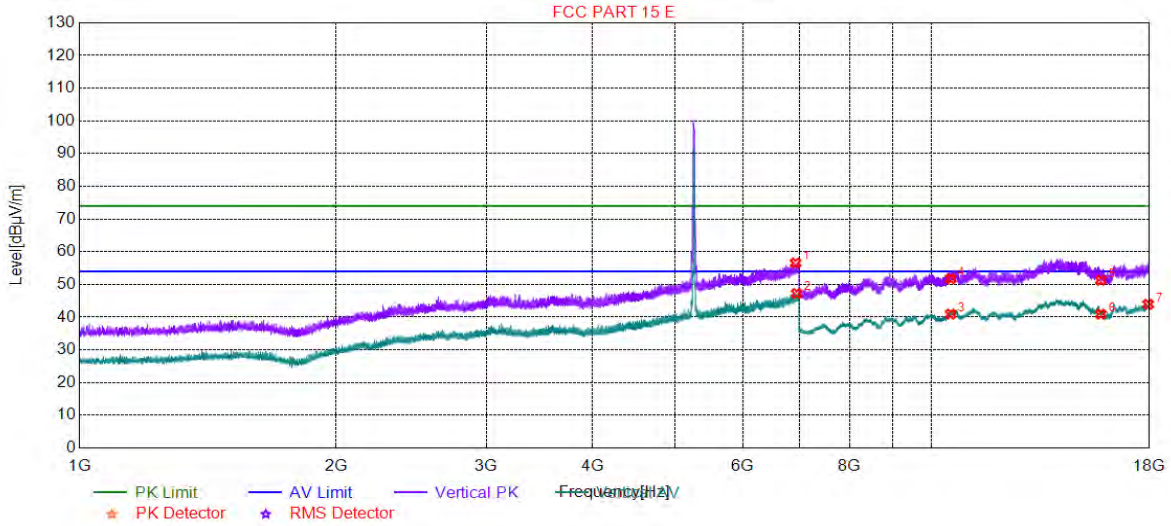
4.9.2.8 802.11A_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6920.19	56.58	20.99	74.00	17.42	150	119	Vertical
2	6938.49	47.27	21.15	54.00	6.73	150	219	Vertical
3	10520.0	40.95	-2.80	54.00	13.05	150	118	Vertical
4	10520.0	51.75	-2.80	74.00	22.25	150	169	Vertical
5	15780.0	51.31	-0.72	74.00	22.69	150	319	Vertical
6	15780.0	40.93	-0.72	54.00	13.07	150	169	Vertical
7	17934.5	43.95	-1.30	54.00	10.05	150	68	Vertical

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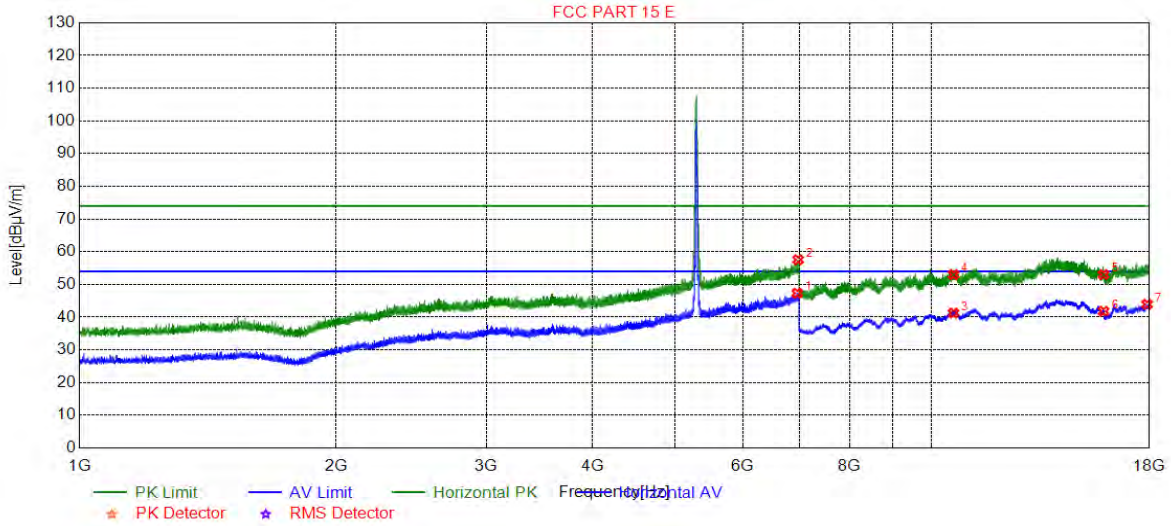
4.9.2.9 802.11A_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6949.89	47.35	21.25	54.00	6.65	150	91	Horizontal
2	6966.69	57.58	21.26	74.00	16.42	150	91	Horizontal
3	10600.0	41.26	-2.86	54.00	12.74	150	342	Horizontal
4	10600.0	53.02	-2.86	74.00	20.98	150	241	Horizontal
5	15900.0	53.02	-0.52	74.00	20.98	150	342	Horizontal
6	15900.0	41.81	-0.52	54.00	12.19	150	342	Horizontal
7	17881.7	43.94	-1.55	54.00	10.06	150	141	Horizontal

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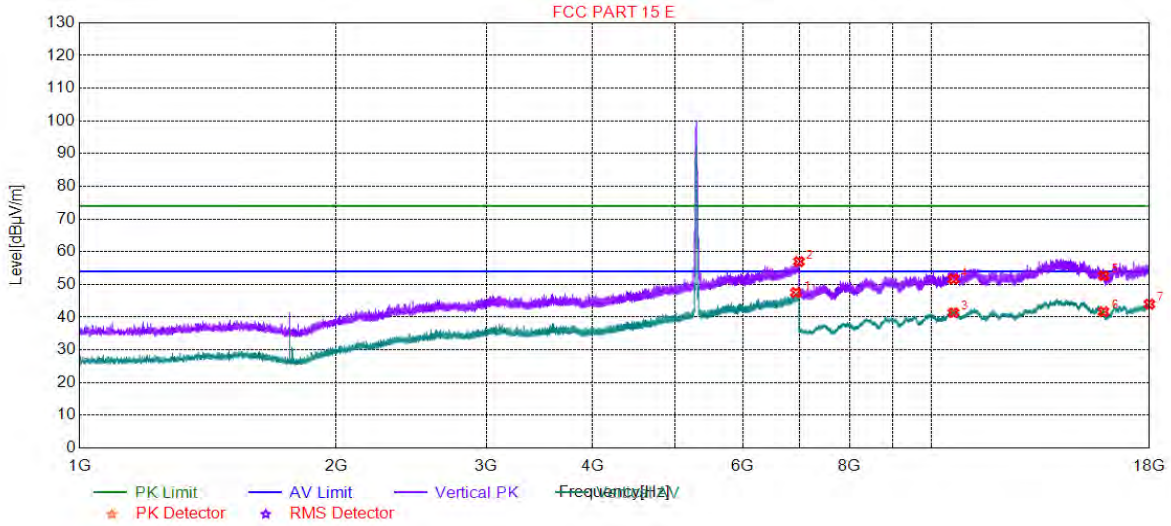
4.9.2.10 802.11A_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6924.39	47.55	21.03	54.00	6.45	150	18	Vertical
2	6981.99	57.00	21.26	74.00	17.00	150	270	Vertical
3	10600.0	41.37	-2.86	54.00	12.63	150	68	Vertical
4	10600.0	51.67	-2.86	74.00	22.33	150	119	Vertical
5	15900.0	52.64	-0.52	74.00	21.36	150	119	Vertical
6	15900.0	41.67	-0.52	54.00	12.33	150	169	Vertical
7	17998.3	44.00	-1.28	54.00	10.00	150	318	Vertical

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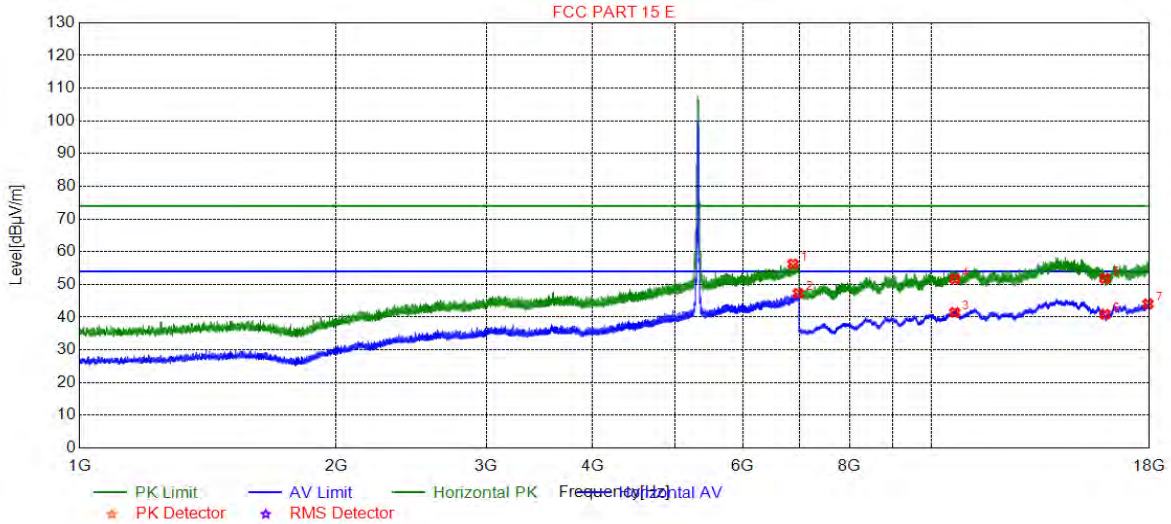
4.9.2.11 802.11A_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6870.99	56.26	20.85	74.00	17.74	150	140	Horizontal
2	6970.59	47.32	21.26	54.00	6.68	150	190	Horizontal
3	10640.0	41.43	-2.84	54.00	12.57	150	40	Horizontal
4	10640.0	51.66	-2.84	74.00	22.34	150	0	Horizontal
5	15960.0	51.82	-1.22	74.00	22.18	150	90	Horizontal
6	15960.0	40.86	-1.22	54.00	13.14	150	90	Horizontal
7	17924.6	44.06	-1.30	54.00	9.94	150	342	Horizontal

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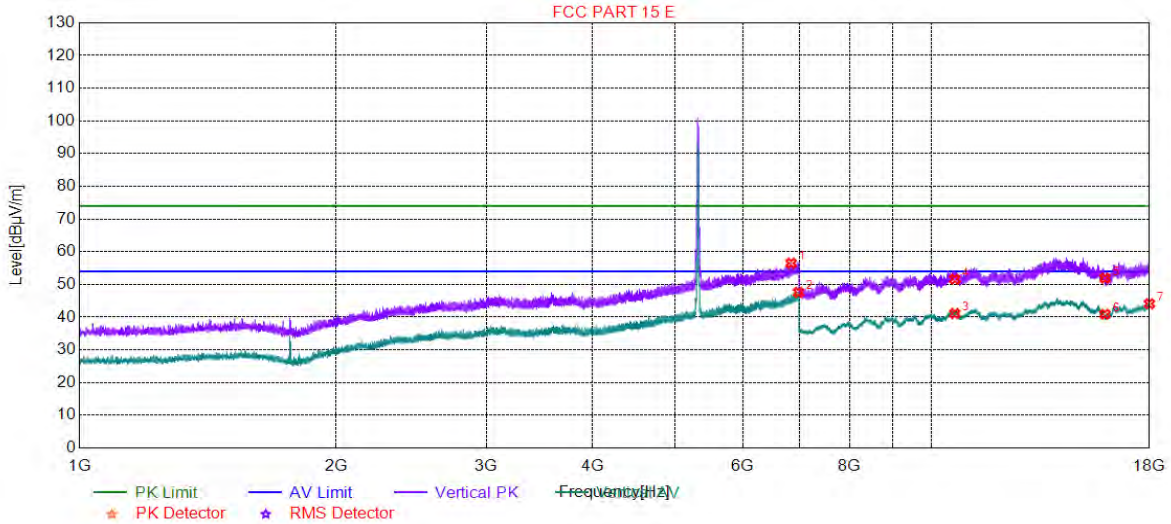
4.9.2.12 802.11A_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6837.69	56.53	20.77	74.00	17.47	150	219	Vertical
2	6974.79	47.60	21.26	54.00	6.40	150	18	Vertical
3	10640.0	41.10	-2.84	54.00	12.90	150	360	Vertical
4	10640.0	51.60	-2.84	74.00	22.40	150	218	Vertical
5	15960.0	51.93	-1.22	74.00	22.07	150	69	Vertical
6	15960.0	40.92	-1.22	54.00	13.08	150	118	Vertical
7	17998.8	44.11	-1.28	54.00	9.89	150	168	Vertical

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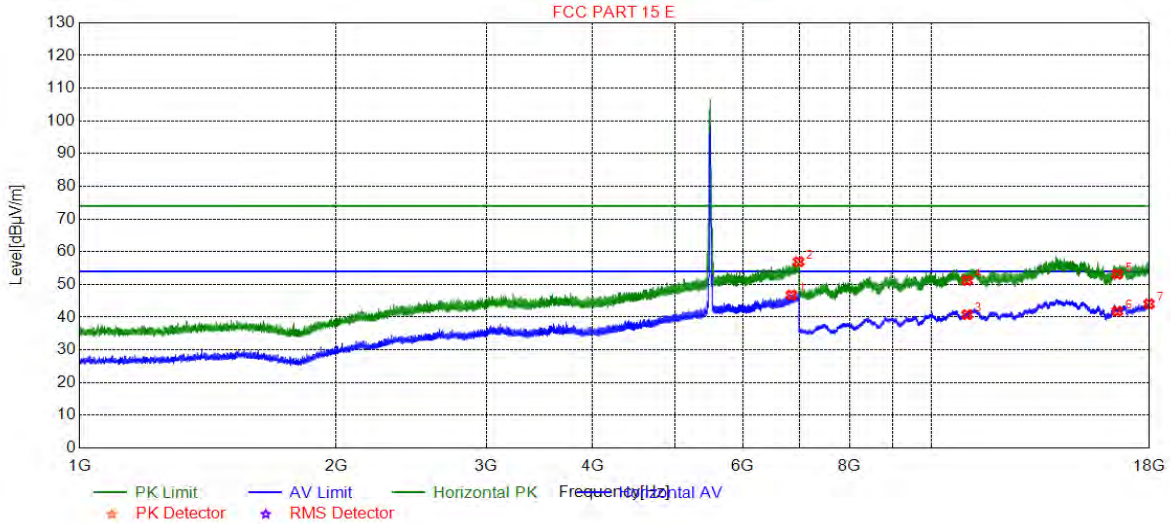
4.9.2.13 802.11A_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6843.09	46.79	20.82	54.00	7.21	150	40	Horizontal
2	6976.59	56.95	21.26	74.00	17.05	150	342	Horizontal
3	11000.0	40.78	-2.17	54.00	13.22	150	90	Horizontal
4	11000.0	51.26	-2.17	74.00	22.74	150	41	Horizontal
5	16500.0	53.14	-1.16	74.00	20.86	150	292	Horizontal
6	16500.0	41.81	-1.16	54.00	12.19	150	41	Horizontal
7	17974.6	44.05	-1.29	54.00	9.95	150	292	Horizontal

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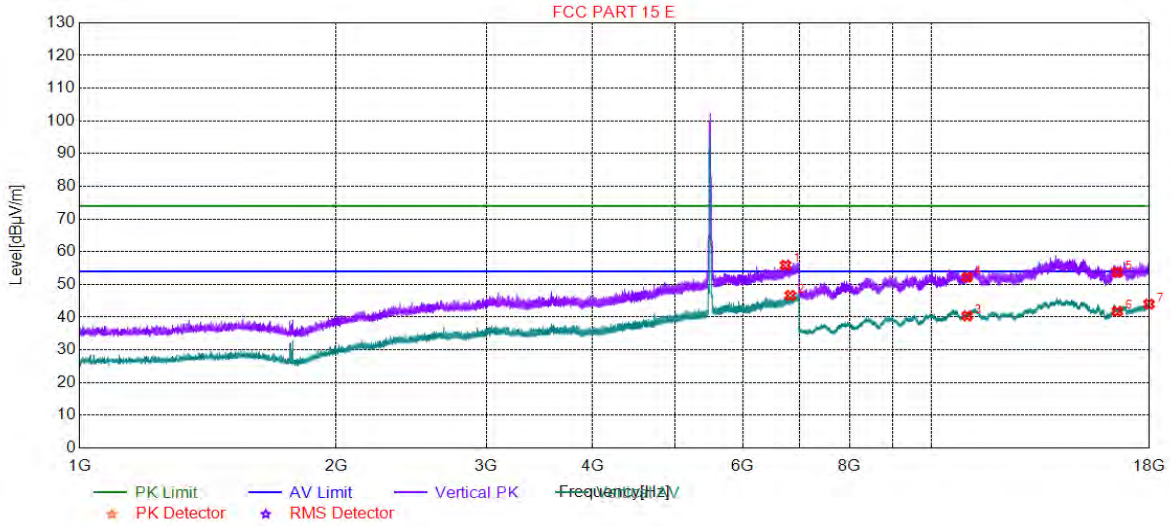
4.9.2.14 802.11A_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6735.08	55.89	20.38	74.00	18.11	150	319	Vertical
2	6821.79	46.63	20.61	54.00	7.37	150	269	Vertical
3	11000.0	40.38	-2.17	54.00	13.62	150	319	Vertical
4	11000.0	52.22	-2.17	74.00	21.78	150	18	Vertical
5	16500.0	53.73	-1.16	74.00	20.27	150	360	Vertical
6	16500.0	41.78	-1.16	54.00	12.22	150	360	Vertical
7	17975.2	43.99	-1.29	54.00	10.01	150	219	Vertical

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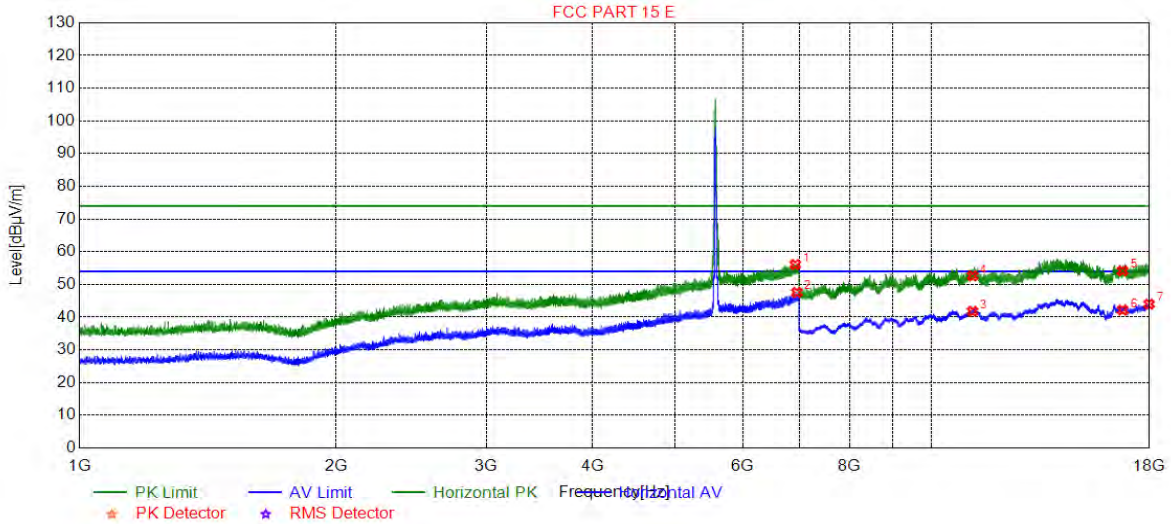
4.9.2.15 802.11A_Channel 116

Test Graph



Suspected List

Suspected List								
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1	6912.69	56.09	20.92	74.00	17.91	150	241	Horizontal
2	6942.69	47.56	21.19	54.00	6.44	150	0	Horizontal
3	11160.0	41.79	-2.32	54.00	12.21	150	42	Horizontal
4	11160.0	52.61	-2.32	74.00	21.39	150	143	Horizontal
5	16740.0	54.17	-0.79	74.00	19.83	150	193	Horizontal
6	16740.0	42.18	-0.79	54.00	11.82	150	193	Horizontal
7	17979.6	44.00	-1.29	54.00	10.00	150	0	Horizontal

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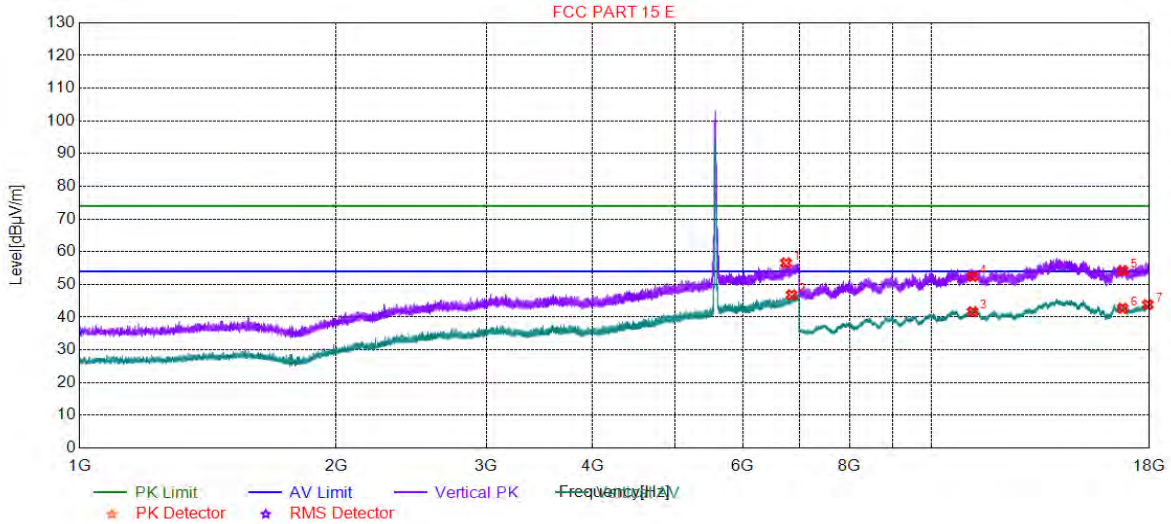
4.9.2.16 802.11A_Channel 116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6742.58	56.57	20.51	74.00	17.43	150	168	Vertical
2	6844.89	46.84	20.84	54.00	7.16	150	269	Vertical
3	11160.0	41.66	-2.32	54.00	12.34	150	219	Vertical
4	11160.0	52.44	-2.32	74.00	21.56	150	319	Vertical
5	16740.0	54.26	-0.79	74.00	19.74	150	219	Vertical
6	16740.0	42.73	-0.79	54.00	11.27	150	18	Vertical
7	17913.6	43.83	-1.31	54.00	10.17	150	219	Vertical

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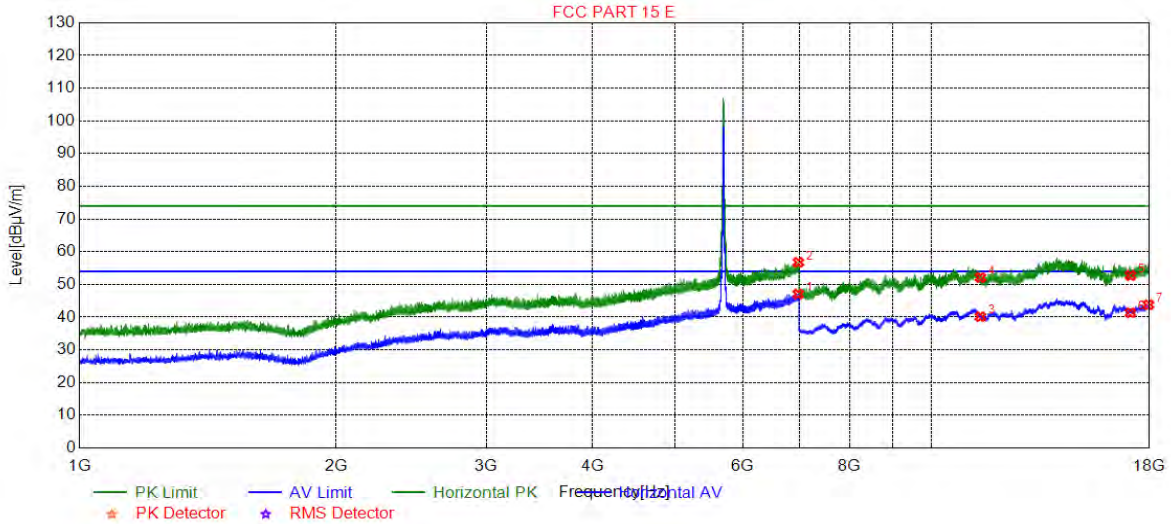
4.9.2.17 802.11A_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6969.39	47.05	21.26	54.00	6.95	150	292	Horizontal
2	6971.79	56.77	21.26	74.00	17.23	150	142	Horizontal
3	11400.0	40.14	-2.15	54.00	13.86	150	92	Horizontal
4	11400.0	52.14	-2.15	74.00	21.86	150	41	Horizontal
5	17100.0	52.75	-2.96	74.00	21.25	150	192	Horizontal
6	17100.0	41.33	-2.96	54.00	12.67	150	292	Horizontal
7	17950.4	43.81	-1.29	54.00	10.19	150	141	Horizontal

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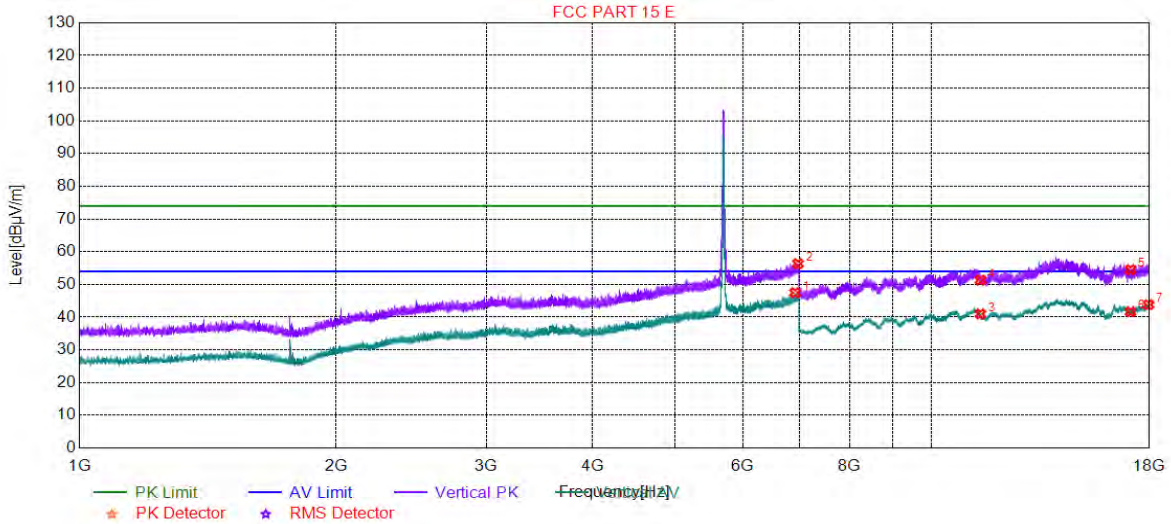
4.9.2.18 802.11A_Channel 140

Test Graph



Suspected List

Suspected List								
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1	6908.79	47.49	20.89	54.00	6.51	150	229	Vertical
2	6966.09	56.37	21.26	74.00	17.63	150	278	Vertical
3	11400.0	41.00	-2.15	54.00	13.00	150	68	Vertical
4	11400.0	51.34	-2.15	74.00	22.66	150	219	Vertical
5	17100.0	54.56	-2.96	74.00	19.44	150	319	Vertical
6	17100.0	41.66	-2.96	54.00	12.34	150	319	Vertical
7	17953.7	43.83	-1.29	54.00	10.17	150	360	Vertical

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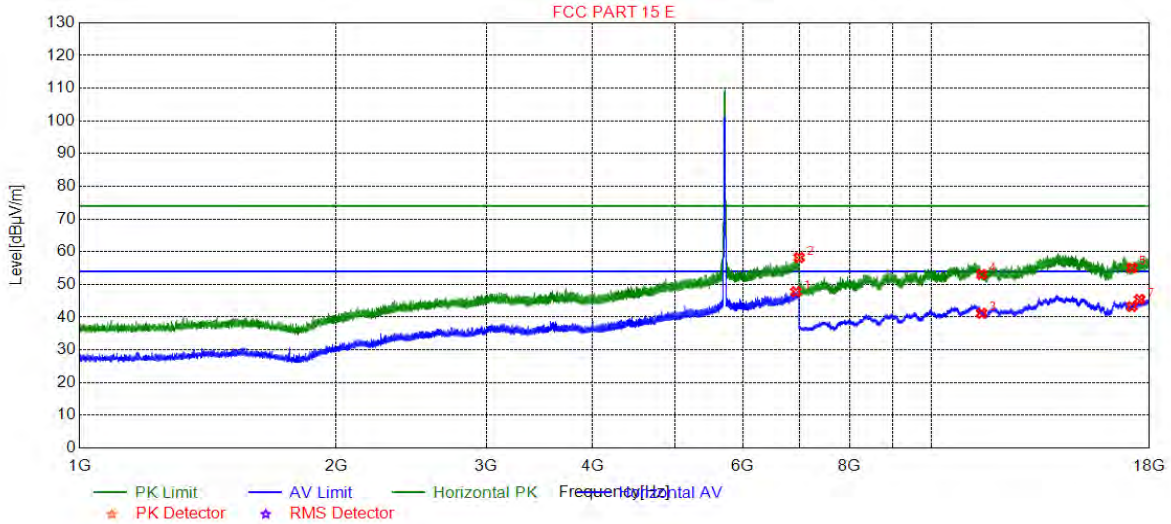
4.9.2.19 802.11A_Channel 144

Test Graph



Suspected List

Suspected List								
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1	6927.09	47.79	21.05	54.00	6.21	150	0	Horizontal
2	6985.29	58.24	21.27	74.00	15.76	150	142	Horizontal
3	11440.0	41.17	-2.10	54.00	12.83	150	242	Horizontal
4	11440.0	53.06	-2.10	74.00	20.94	150	342	Horizontal
5	17160.0	55.08	-2.94	74.00	18.92	150	43	Horizontal
6	17160.0	43.25	-2.94	54.00	10.75	150	93	Horizontal
7	17518.7	45.45	-1.01	54.00	8.55	150	93	Horizontal

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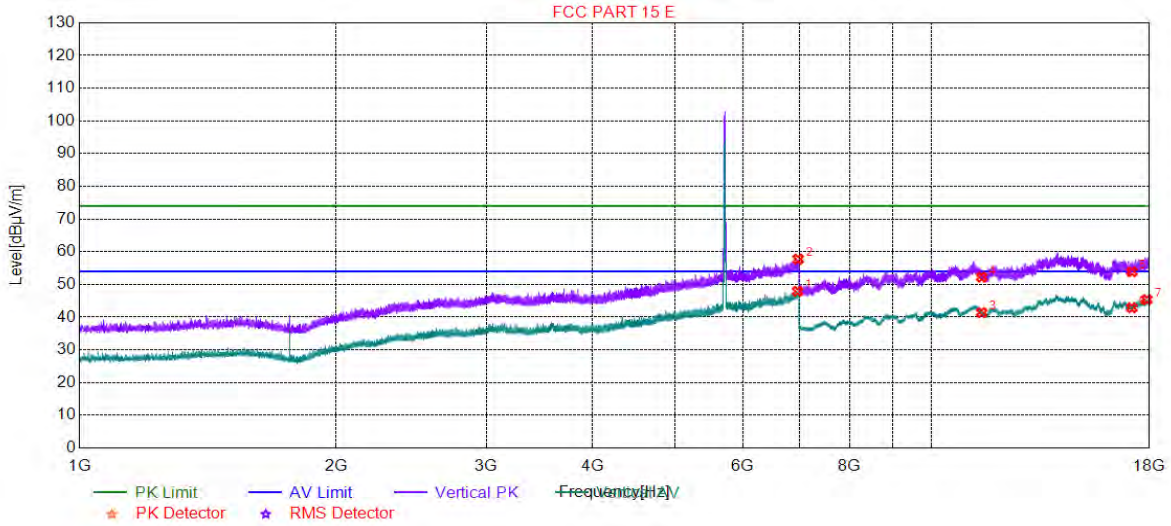
4.9.2.20 802.11A_Channel 144

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6956.19	47.94	21.26	54.00	6.06	150	219	Vertical
2	6968.19	57.75	21.26	74.00	16.25	150	219	Vertical
3	11440.0	41.41	-2.10	54.00	12.59	150	68	Vertical
4	11440.0	52.25	-2.10	74.00	21.75	150	18	Vertical
5	17160.0	53.87	-2.94	74.00	20.13	150	360	Vertical
6	17160.0	42.88	-2.94	54.00	11.12	150	360	Vertical
7	17872.9	45.37	-1.67	54.00	8.63	150	168	Vertical

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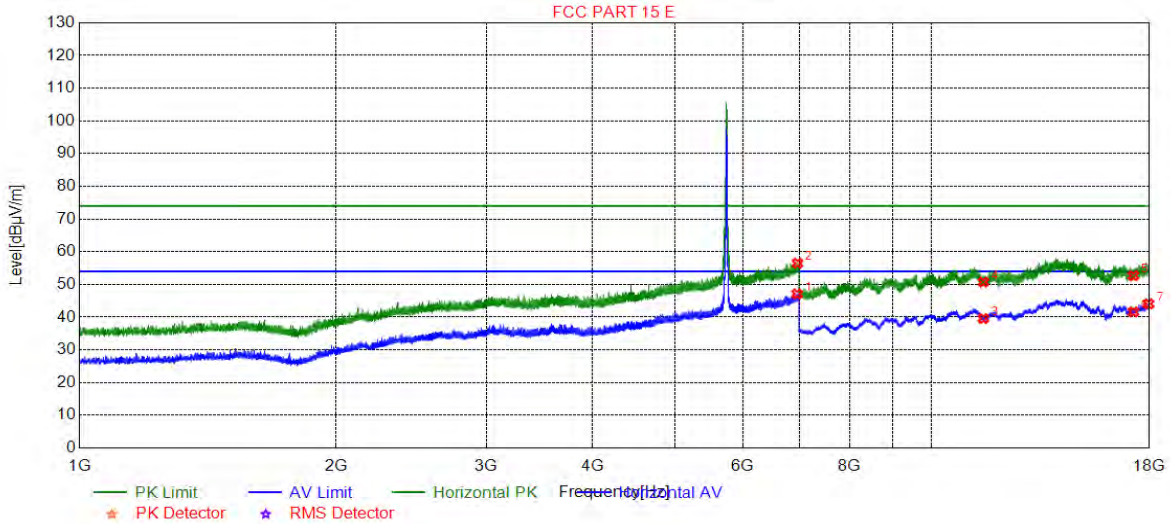
4.9.2.21 802.11A_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.59	47.10	21.22	54.00	6.90	150	291	Horizontal
2	6956.79	56.49	21.26	74.00	17.51	150	141	Horizontal
3	11490.0	39.58	-2.03	54.00	14.42	150	241	Horizontal
4	11490.0	50.73	-2.03	74.00	23.27	150	192	Horizontal
5	17235.0	52.66	-2.67	74.00	21.34	150	41	Horizontal
6	17235.0	41.62	-2.67	54.00	12.38	150	192	Horizontal
7	17958.7	44.07	-1.29	54.00	9.93	150	292	Horizontal

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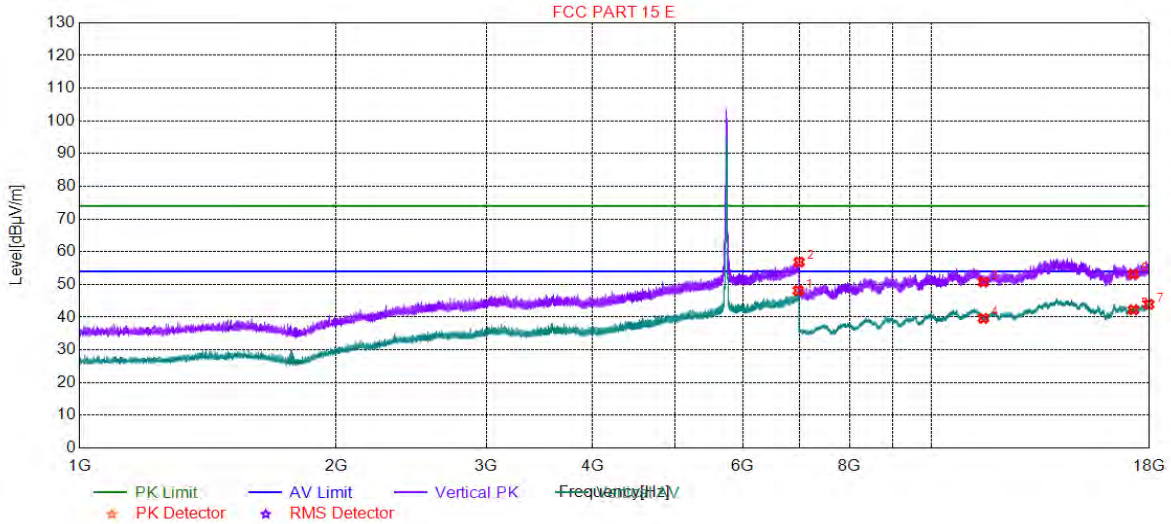
4.9.2.22 802.11A_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6971.79	48.13	21.26	54.00	5.87	150	168	Vertical
2	6984.69	56.87	21.27	74.00	17.13	150	218	Vertical
3	11490.0	50.73	-2.03	74.00	23.27	150	219	Vertical
4	11490.0	39.65	-2.03	54.00	14.35	150	69	Vertical
5	17235.0	42.24	-2.67	54.00	11.76	150	169	Vertical
6	17235.0	53.11	-2.67	74.00	20.89	150	269	Vertical
7	17964.7	43.92	-1.29	54.00	10.08	150	119	Vertical

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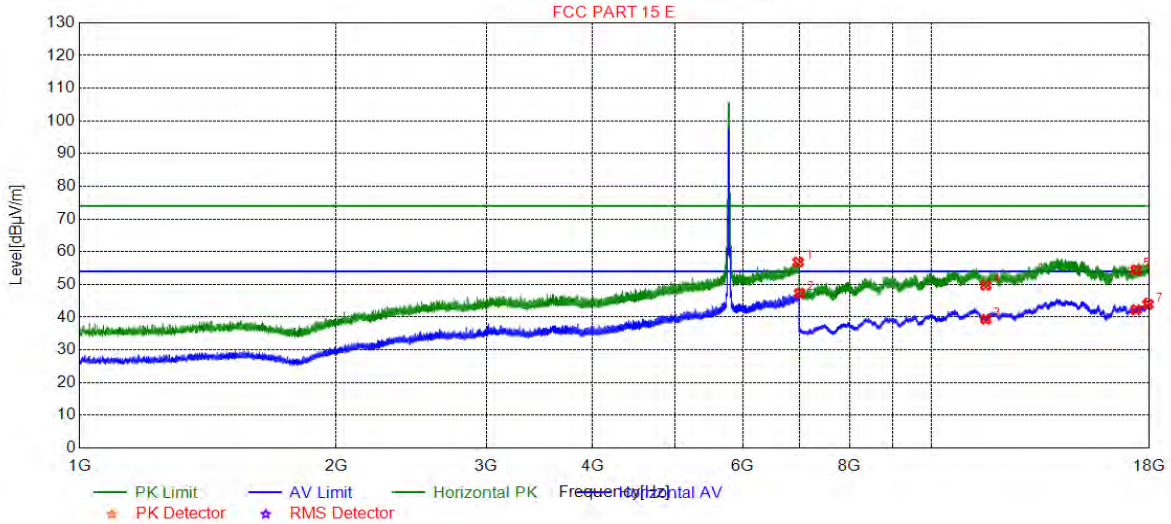
4.9.2.23 802.11A_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6969.09	56.86	21.26	74.00	17.14	150	242	Horizontal
2	6995.49	47.33	21.27	54.00	6.67	150	90	Horizontal
3	11570.0	39.39	-2.39	54.00	14.61	150	92	Horizontal
4	11570.0	49.75	-2.39	74.00	24.25	150	0	Horizontal
5	17355.0	54.51	-1.94	74.00	19.49	150	242	Horizontal
6	17355.0	42.27	-1.94	54.00	11.73	150	92	Horizontal
7	17923.5	43.96	-1.30	54.00	10.04	150	342	Horizontal

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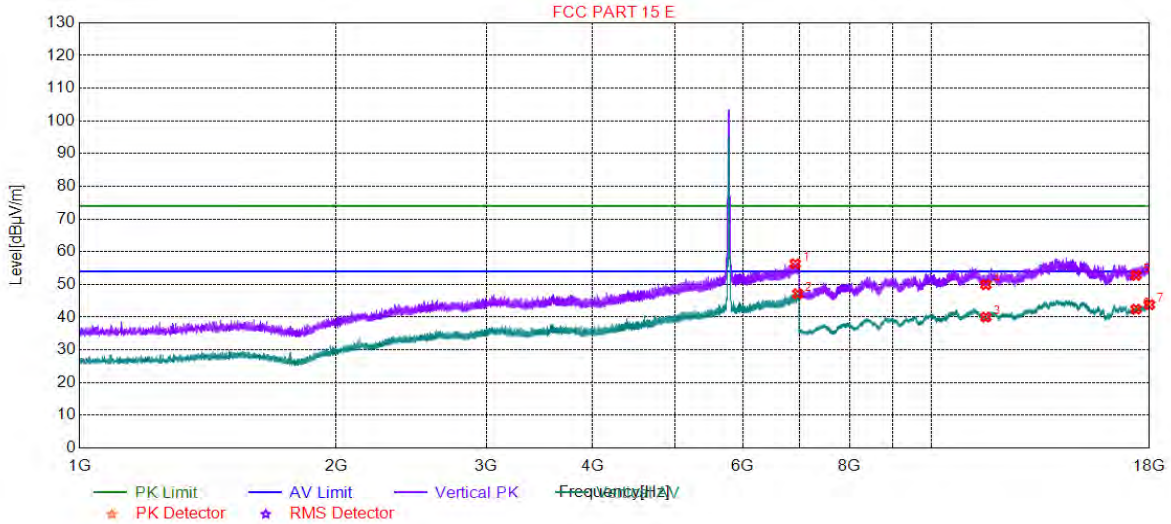
4.9.2.24 802.11A_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6912.69	56.34	20.92	74.00	17.66	150	169	Vertical
2	6962.19	47.16	21.26	54.00	6.84	150	319	Vertical
3	11570.0	40.02	-2.39	54.00	13.98	150	360	Vertical
4	11570.0	49.93	-2.39	74.00	24.07	150	360	Vertical
5	17355.0	52.79	-1.94	74.00	21.21	150	319	Vertical
6	17355.0	42.45	-1.94	54.00	11.55	150	219	Vertical
7	17997.2	43.83	-1.28	54.00	10.17	150	360	Vertical

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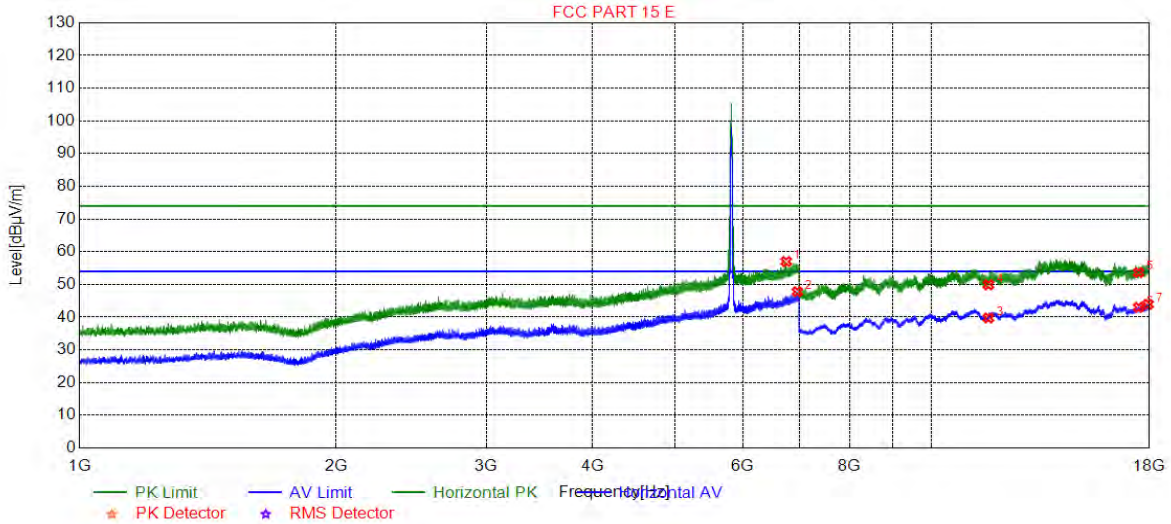
4.9.2.25 802.11A_Channel 165

Test Graph



Suspected List

Suspected List								
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1	6746.78	57.02	20.59	74.00	16.98	150	292	Horizontal
2	6950.79	47.79	21.26	54.00	6.21	150	89	Horizontal
3	11650.0	39.76	-2.49	54.00	14.24	150	92	Horizontal
4	11650.0	49.91	-2.49	74.00	24.09	150	192	Horizontal
5	17475.0	53.65	-1.24	74.00	20.35	150	291	Horizontal
6	17475.0	42.98	-1.24	54.00	11.02	150	92	Horizontal
7	17928.4	43.95	-1.30	54.00	10.05	150	0	Horizontal

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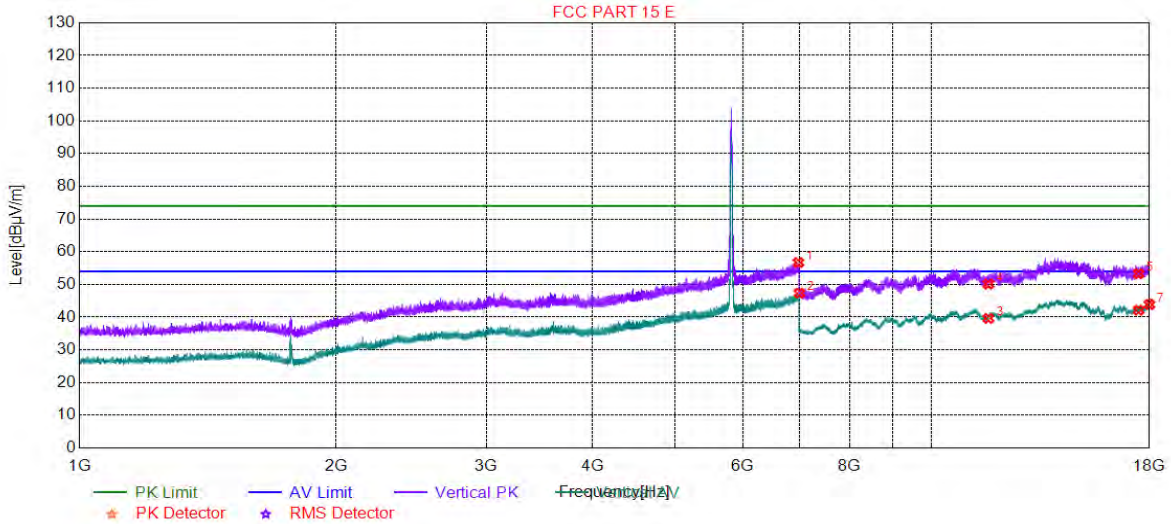
4.9.2.26 802.11A_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6972.69	56.70	21.26	74.00	17.30	150	320	Vertical
2	6990.09	47.37	21.27	54.00	6.63	150	169	Vertical
3	11650.0	39.62	-2.49	54.00	14.38	150	360	Vertical
4	11650.0	50.13	-2.49	74.00	23.87	150	168	Vertical
5	17475.0	53.28	-1.24	74.00	20.72	150	118	Vertical
6	17475.0	42.15	-1.24	54.00	11.85	150	218	Vertical
7	17996.1	43.88	-1.28	54.00	10.12	150	18	Vertical

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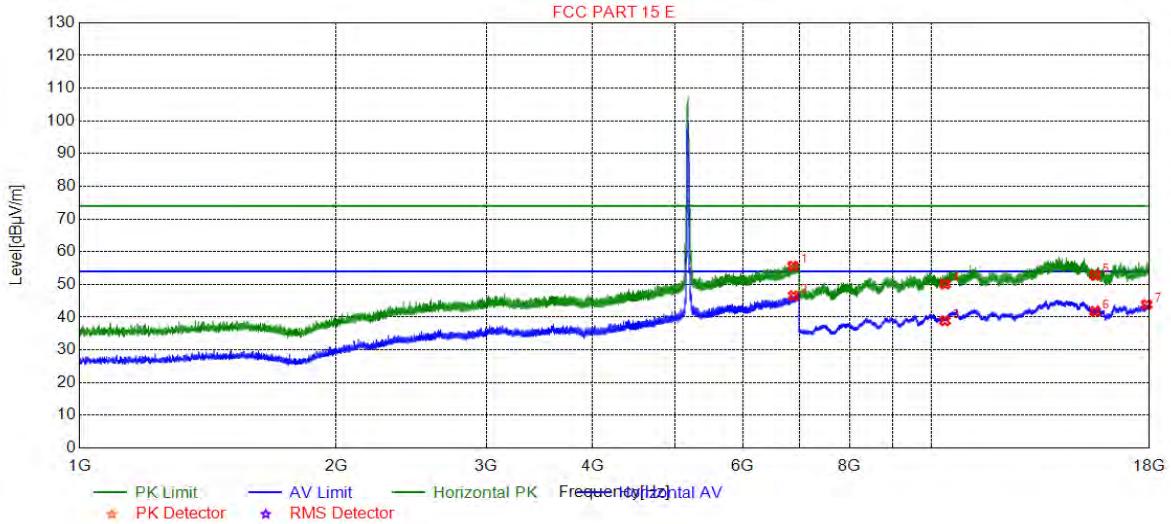
4.9.2.27 802.11N20_Channel 36

Test Graph



Suspected List

Suspected List								
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1	6870.99	55.63	20.85	74.00	18.37	150	190	Horizontal
2	6881.19	46.55	20.84	54.00	7.45	150	0	Horizontal
3	10360.0	38.90	-3.63	54.00	15.10	150	142	Horizontal
4	10360.0	50.10	-3.63	74.00	23.90	150	241	Horizontal
5	15540.0	52.84	0.46	74.00	21.16	150	0	Horizontal
6	15540.0	41.78	0.46	54.00	12.22	150	191	Horizontal
7	17865.2	43.84	-1.77	54.00	10.16	150	142	Horizontal

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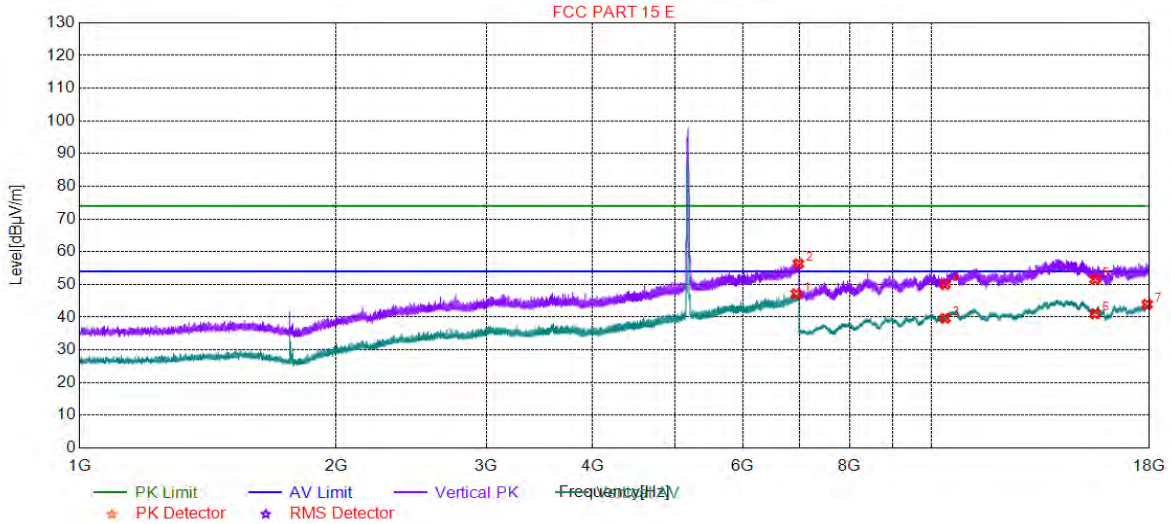
4.9.2.28 802.11N20_Channel 36

Test Graph



Suspected List

Suspected List								
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1	6930.39	47.13	21.08	54.00	6.87	150	320	Vertical
2	6973.29	56.33	21.26	74.00	17.67	150	118	Vertical
3	10360.0	39.68	-3.63	54.00	14.32	150	18	Vertical
4	10360.0	49.99	-3.63	74.00	24.01	150	119	Vertical
5	15540.0	51.57	0.46	74.00	22.43	150	169	Vertical
6	15540.0	41.02	0.46	54.00	12.98	150	169	Vertical
7	17882.8	43.93	-1.54	54.00	10.07	150	18	Vertical

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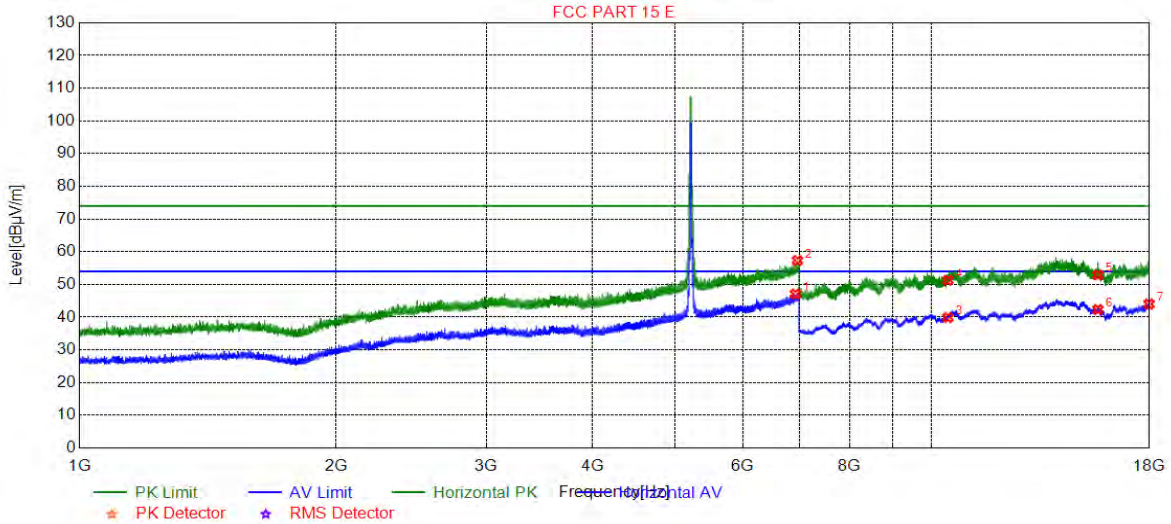
4.9.2.29 802.11N20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6918.99	47.11	20.98	54.00	6.89	150	192	Horizontal
2	6953.79	57.32	21.26	74.00	16.68	150	92	Horizontal
3	10440.0	39.90	-3.24	54.00	14.10	150	42	Horizontal
4	10440.0	51.30	-3.24	74.00	22.70	150	42	Horizontal
5	15660.0	52.94	0.43	74.00	21.06	150	42	Horizontal
6	15660.0	42.33	0.43	54.00	11.67	150	192	Horizontal
7	17977.4	44.02	-1.29	54.00	9.98	150	342	Horizontal

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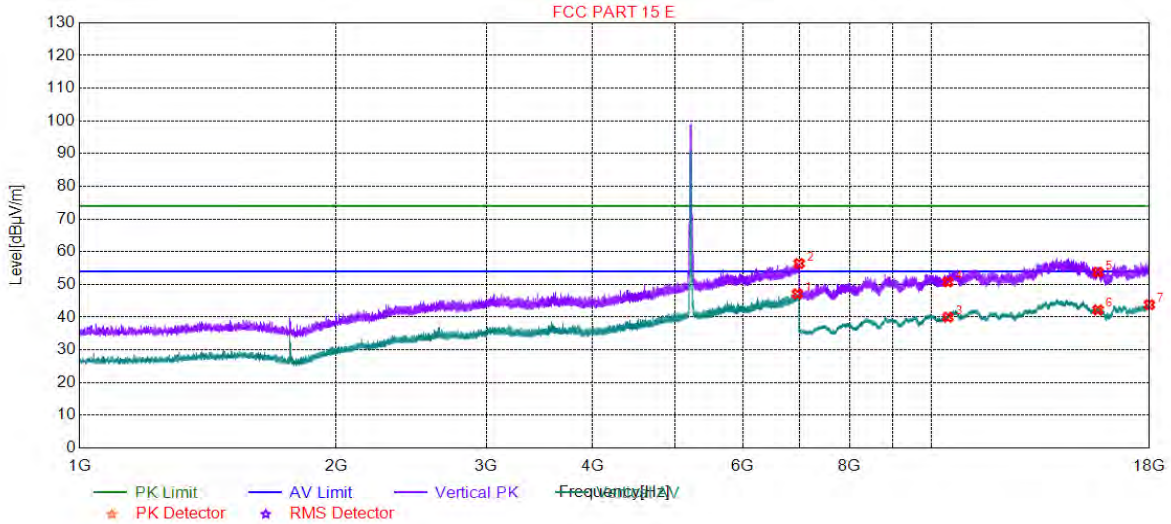
4.9.2.30 802.11N20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6951.99	47.13	21.26	54.00	6.87	150	269	Vertical
2	6986.19	56.41	21.27	74.00	17.59	150	269	Vertical
3	10440.0	40.00	-3.24	54.00	14.00	150	118	Vertical
4	10440.0	50.77	-3.24	74.00	23.23	150	268	Vertical
5	15660.0	53.77	0.43	74.00	20.23	150	118	Vertical
6	15660.0	42.22	0.43	54.00	11.78	150	169	Vertical
7	17994.4	43.82	-1.28	54.00	10.18	150	360	Vertical

Final Data List

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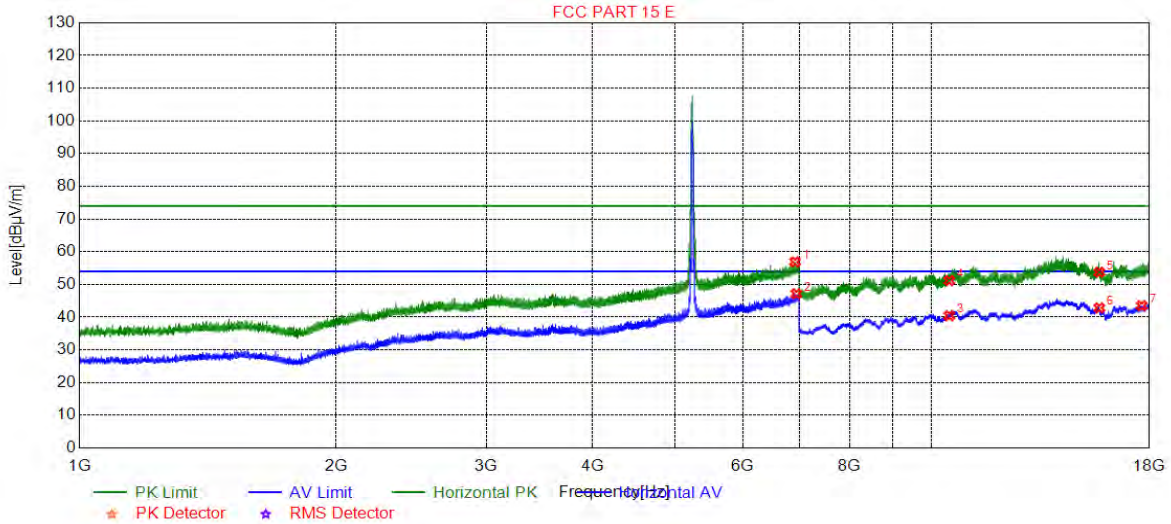
4.9.2.31 802.11N20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6909.39	56.95	20.89	74.00	17.05	150	342	Horizontal
2	6933.69	47.16	21.11	54.00	6.84	150	342	Horizontal
3	10480.0	40.46	-2.94	54.00	13.54	150	342	Horizontal
4	10480.0	51.19	-2.94	74.00	22.81	150	192	Horizontal
5	15720.0	53.75	0.29	74.00	20.25	150	0	Horizontal
6	15720.0	42.84	0.29	54.00	11.16	150	42	Horizontal
7	17626.5	43.51	-0.68	54.00	10.49	150	0	Horizontal

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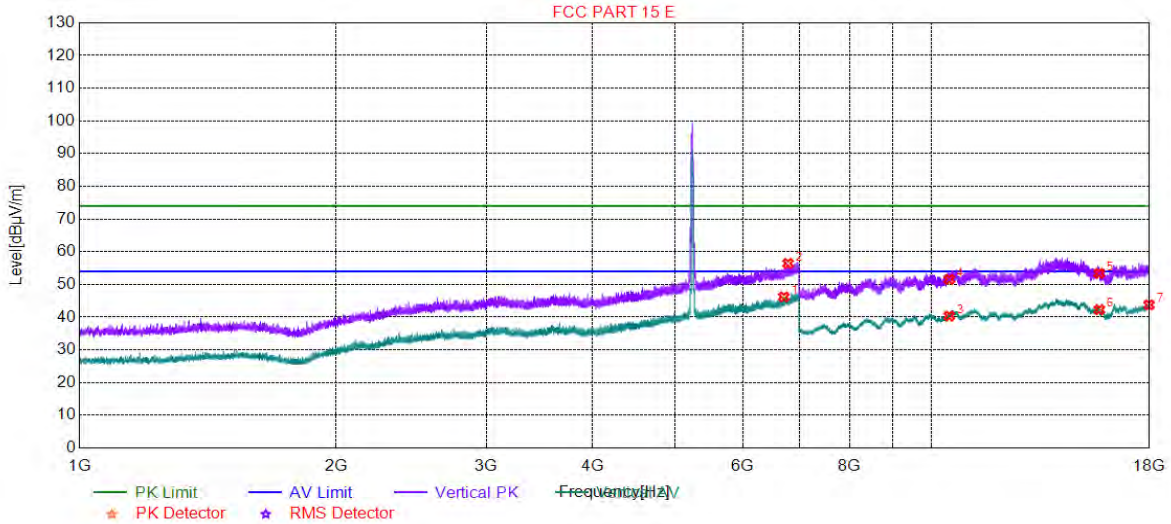
4.9.2.32 802.11N20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6703.28	46.20	19.81	54.00	7.80	150	321	Vertical
2	6780.08	56.45	20.50	74.00	17.55	150	119	Vertical
3	10480.0	40.37	-2.94	54.00	13.63	150	119	Vertical
4	10480.0	51.56	-2.94	74.00	22.44	150	18	Vertical
5	15720.0	53.39	0.29	74.00	20.61	150	119	Vertical
6	15720.0	42.28	0.29	54.00	11.72	150	360	Vertical
7	17976.3	43.76	-1.29	54.00	10.24	150	119	Vertical

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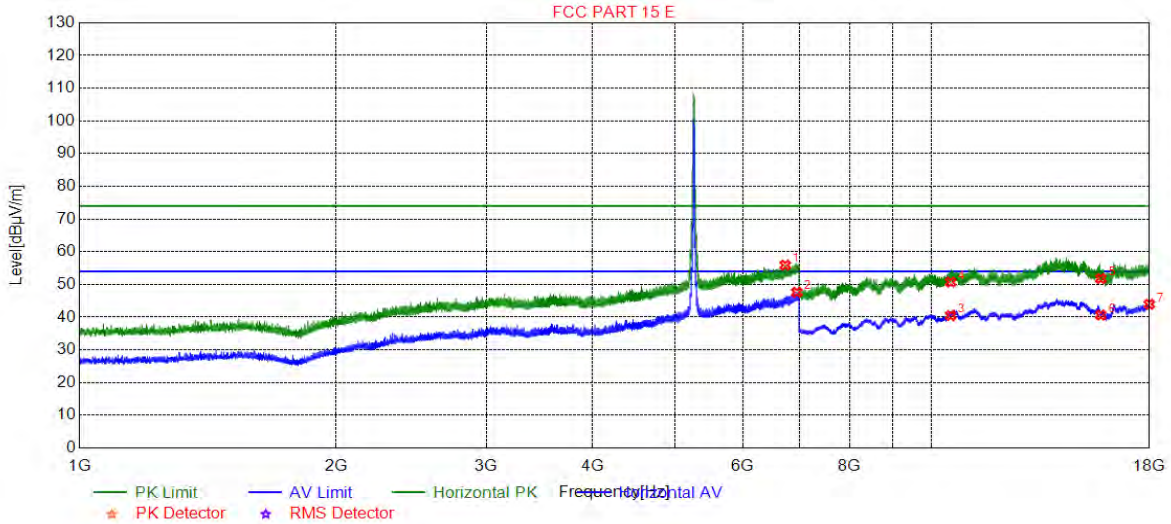
4.9.2.33 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6729.68	55.91	20.28	74.00	18.09	150	141	Horizontal
2	6942.69	47.63	21.19	54.00	6.37	150	0	Horizontal
3	10520.0	40.50	-2.80	54.00	13.50	150	92	Horizontal
4	10520.0	50.72	-2.80	74.00	23.28	150	192	Horizontal
5	15780.0	51.83	-0.72	74.00	22.17	150	92	Horizontal
6	15780.0	40.64	-0.72	54.00	13.36	150	142	Horizontal
7	17992.8	43.95	-1.28	54.00	10.05	150	292	Horizontal

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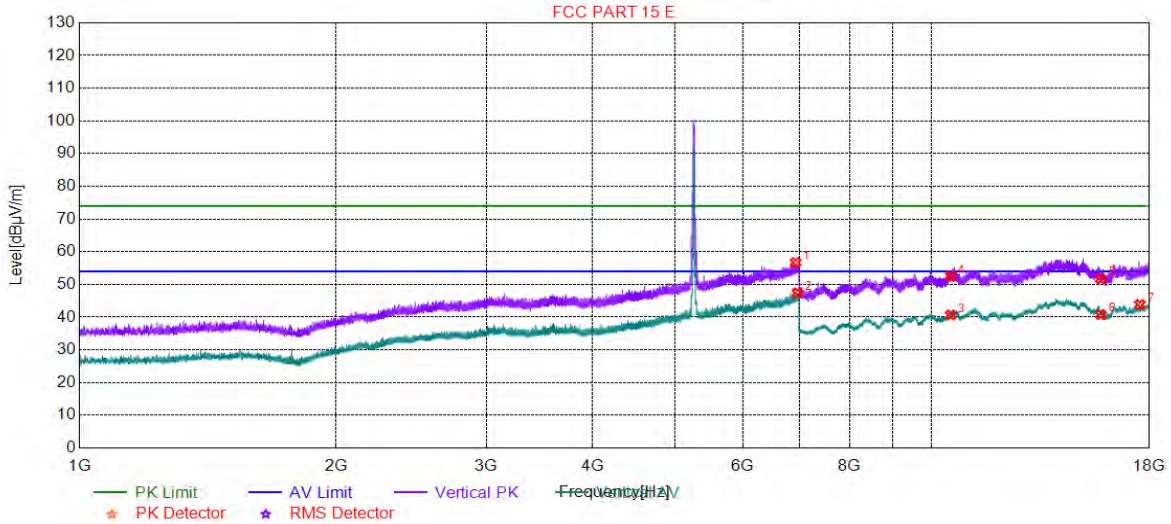
4.9.2.34 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6920.19	56.72	20.99	74.00	17.28	150	168	Vertical
2	6952.89	47.42	21.26	54.00	6.58	150	68	Vertical
3	10520.0	40.67	-2.80	54.00	13.33	150	168	Vertical
4	10520.0	52.47	-2.80	74.00	21.53	150	218	Vertical
5	15780.0	51.73	-0.72	74.00	22.27	150	168	Vertical
6	15780.0	40.80	-0.72	54.00	13.20	150	269	Vertical
7	17536.3	43.87	-0.94	54.00	10.13	150	318	Vertical

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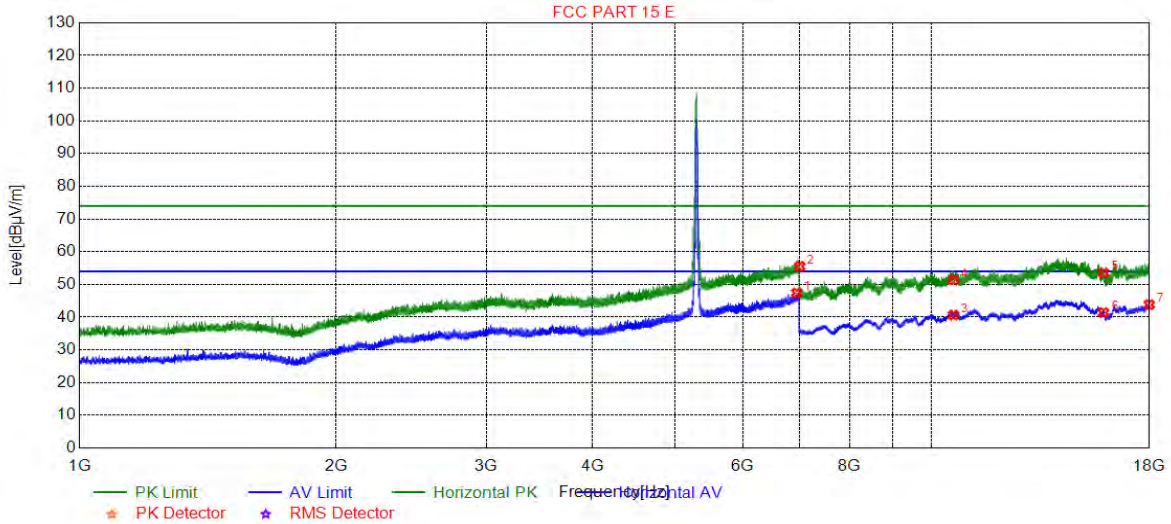
4.9.2.35 802.11N20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6942.39	47.39	21.19	54.00	6.61	150	192	Horizontal
2	6998.79	55.54	21.27	74.00	18.46	150	192	Horizontal
3	10600.0	40.66	-2.86	54.00	13.34	150	40	Horizontal
4	10600.0	51.38	-2.86	74.00	22.62	150	40	Horizontal
5	15900.0	53.54	-0.52	74.00	20.46	150	291	Horizontal
6	15900.0	41.41	-0.52	54.00	12.59	150	141	Horizontal
7	17985.6	43.84	-1.28	54.00	10.16	150	0	Horizontal

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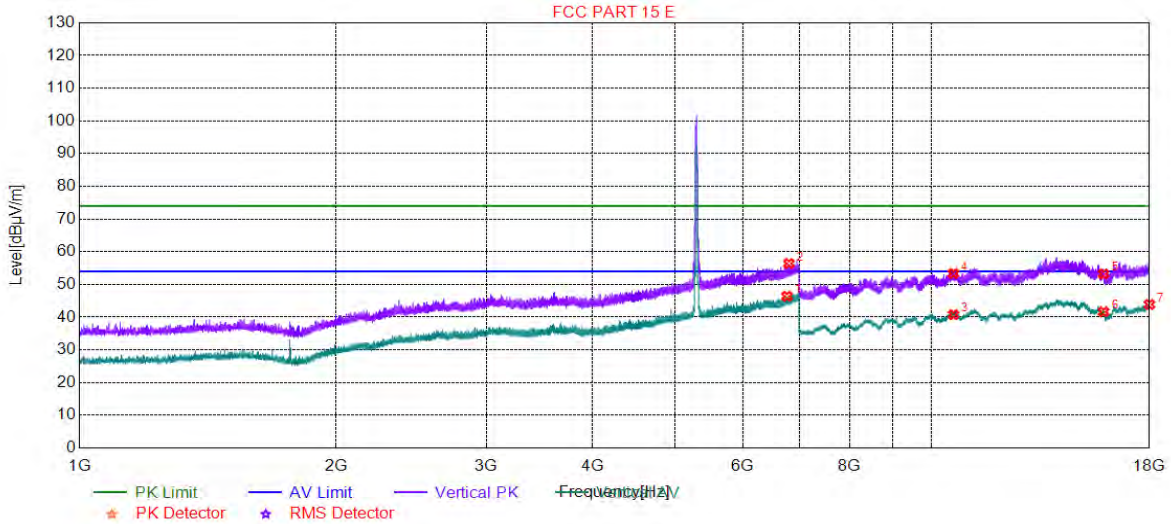
4.9.2.36 802.11N20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6761.18	46.40	20.59	54.00	7.60	150	269	Vertical
2	6796.28	56.42	20.42	74.00	17.58	150	118	Vertical
3	10600.0	40.77	-2.86	54.00	13.23	150	68	Vertical
4	10600.0	53.35	-2.86	74.00	20.65	150	360	Vertical
5	15900.0	53.23	-0.52	74.00	20.77	150	319	Vertical
6	15900.0	41.64	-0.52	54.00	12.36	150	168	Vertical
7	18000.0	43.89	-1.28	54.00	10.11	150	218	Vertical

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