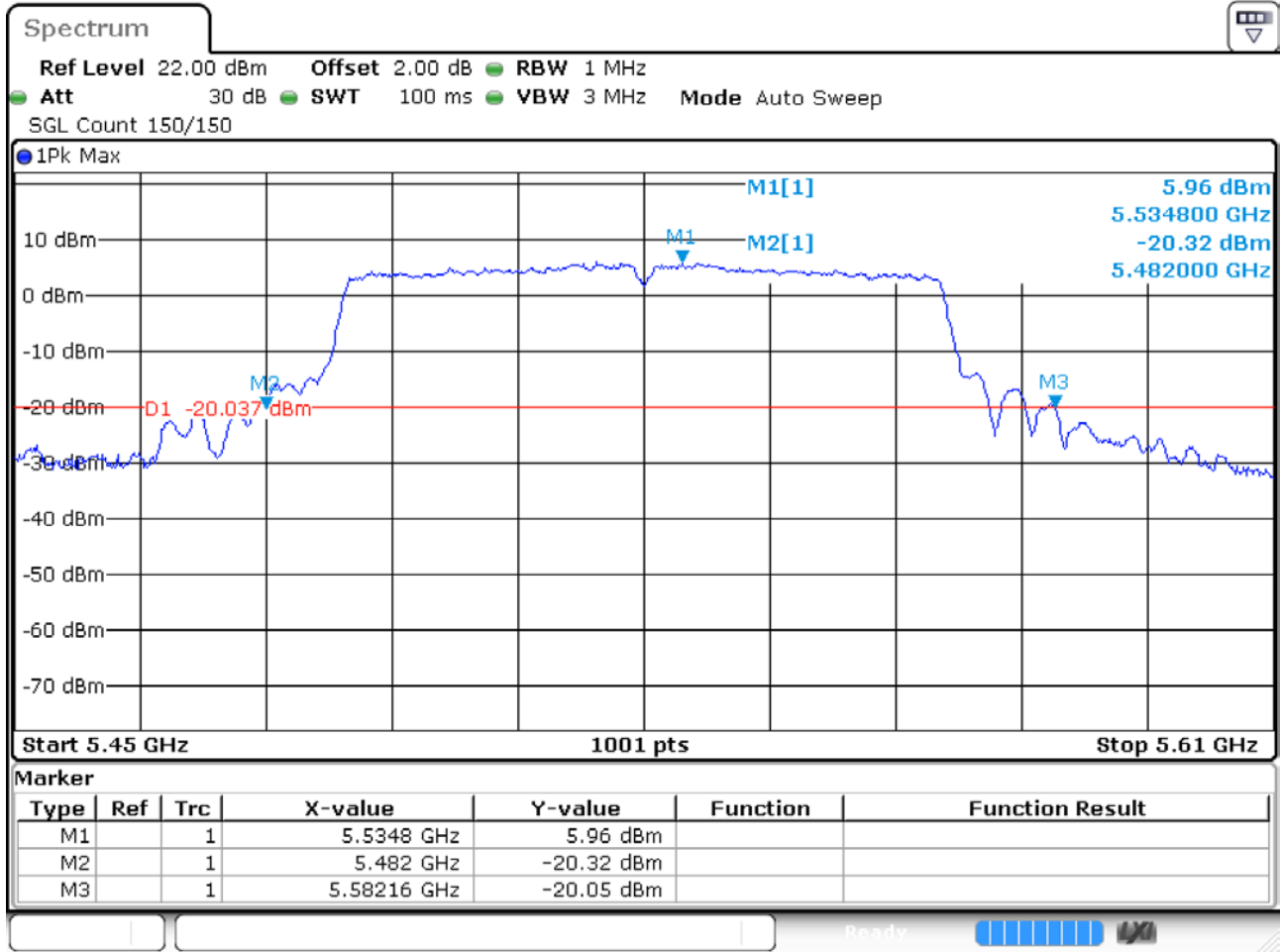


4.5.2.43 11AC80_106 ANT 1



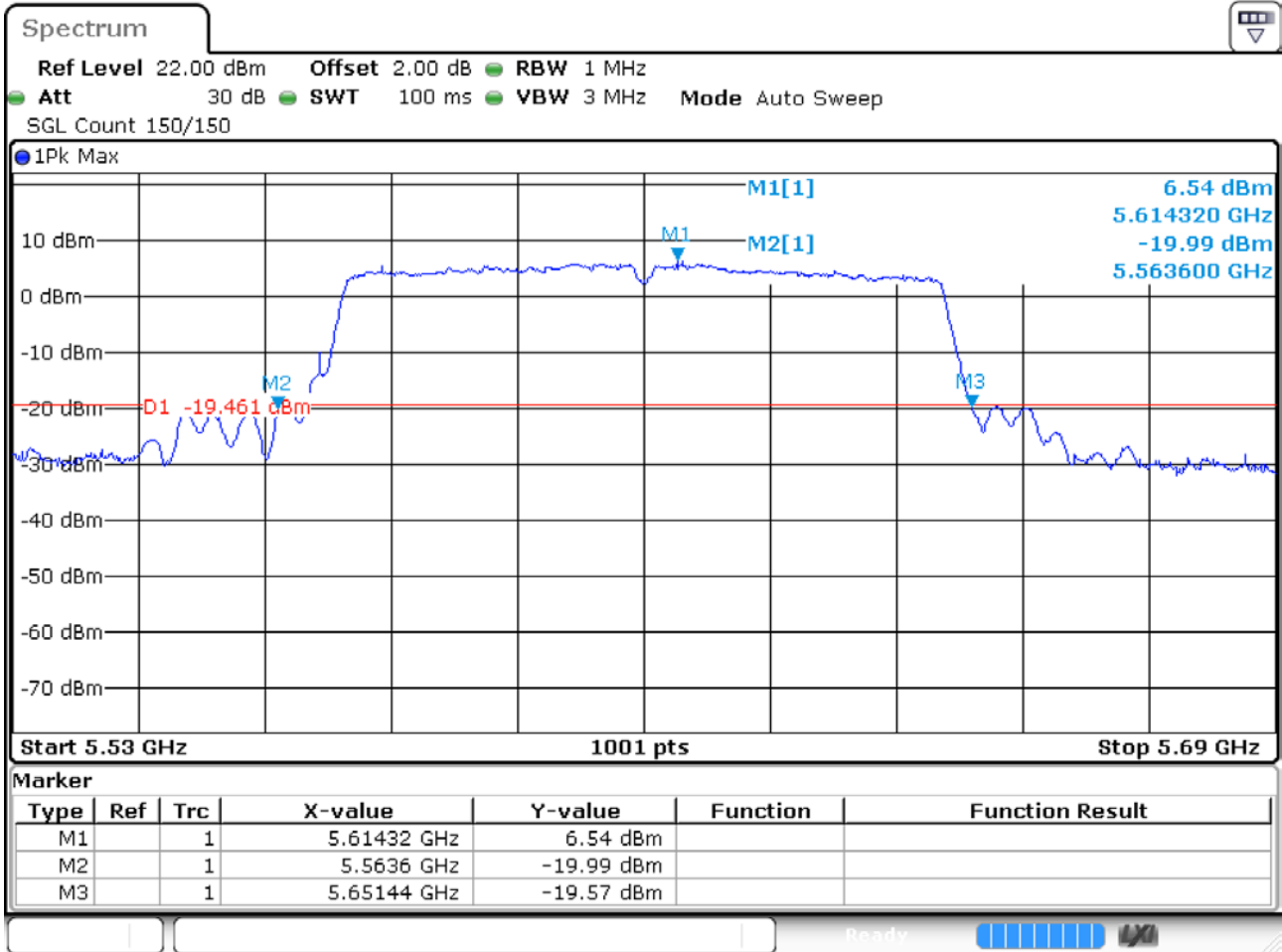
Date: 21.AUG.2020 18:55:31



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4.5.2.44 11AC80_122 ANT 1



Date: 21.AUG.2020 18:57:07



4.6 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
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:	<p>Through Pre-scan, find the</p> <ul style="list-style-type: none"> 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). <p>Only the worst case is recorded in the report.</p>	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	



4.6.1 Test Results for 6dB Emission Bandwidth

Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Verdict
11A20	149	5745	ANT 1	15.39	PASS
	157	5785	ANT 1	15.57	PASS
	165	5825	ANT 1	15.39	PASS
11N20	149	5745	ANT 1	16.59	PASS
	157	5745	ANT 1	16.02	PASS
	165	5825	ANT 1	16.02	PASS
11N40	151	5755	ANT 1	35.46	PASS
	159	5795	ANT 1	35.46	PASS
11AC20	149	5745	ANT 1	16.02	PASS
	149	5785	ANT 1	16.02	PASS
	165	5825	ANT 1	16.02	PASS
11AC40	151	5755	ANT 1	35.28	PASS
	159	5795	ANT 1	35.88	PASS
11AC80	155	5775	ANT 1	75.68	PASS

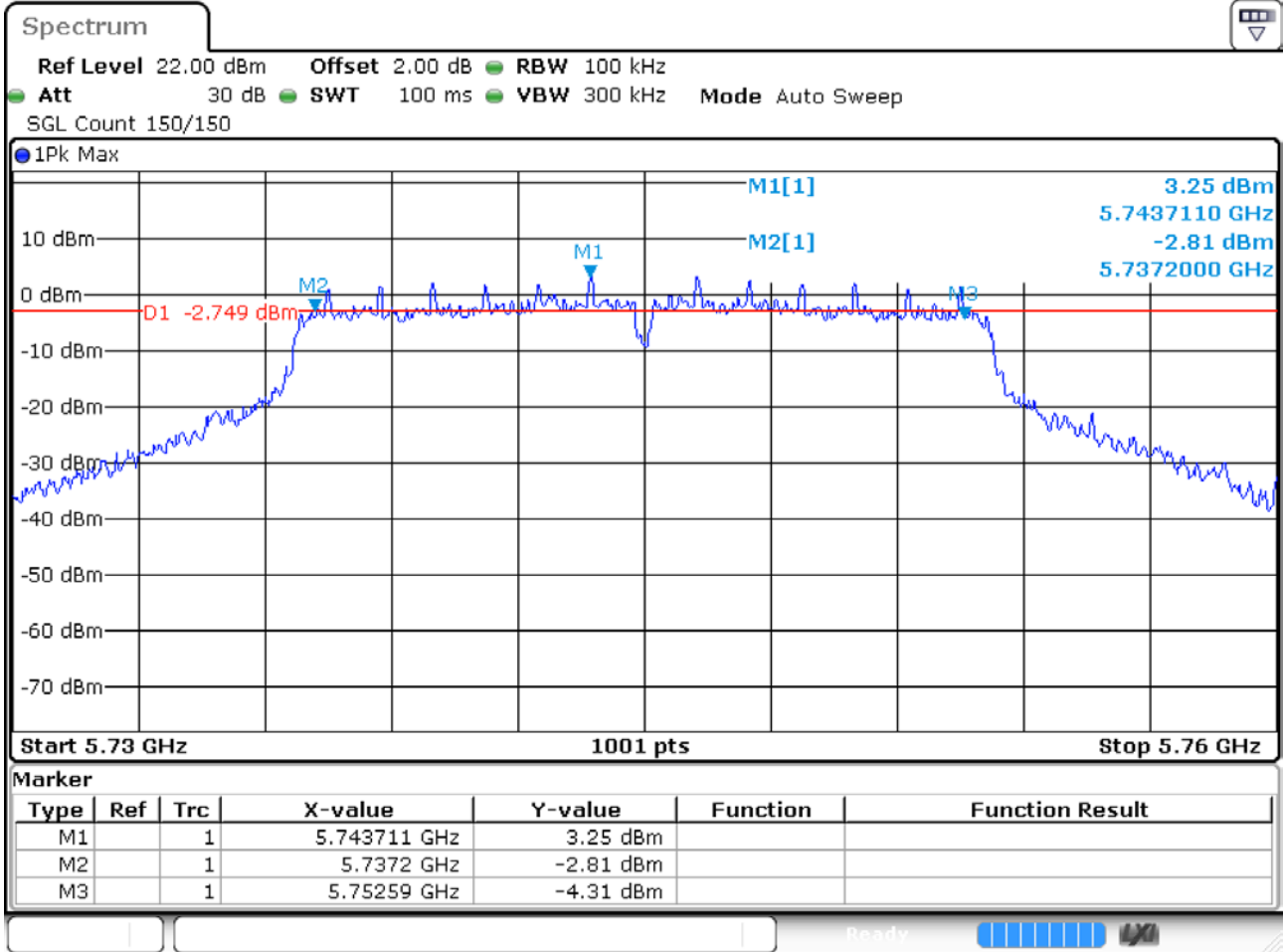


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4.6.2 Plots for 6dB Emission Bandwidth

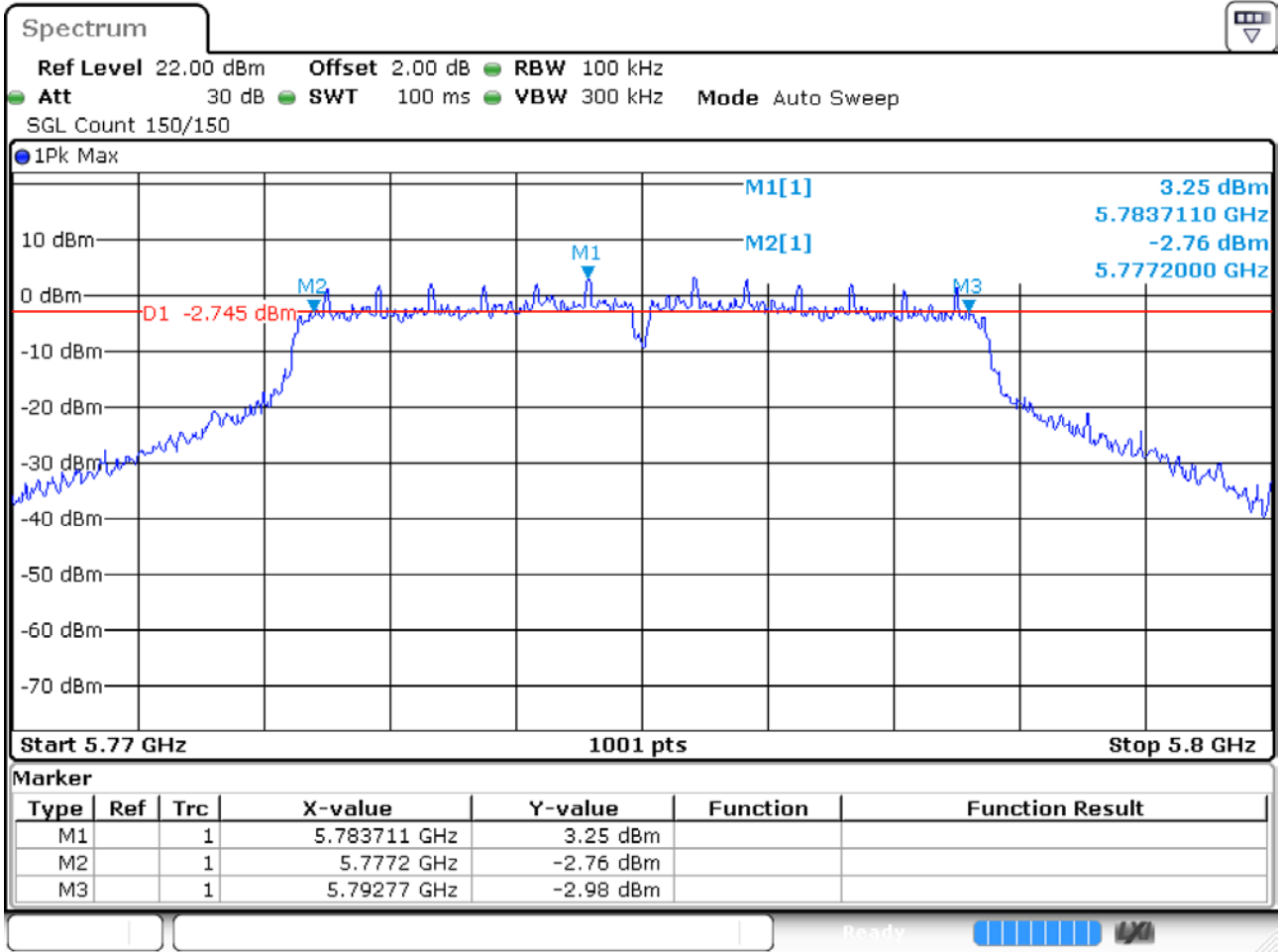
4.6.2.1 11A20_149 ANT 1



Date: 21.AUG.2020 16:53:00



4.6.2.2 11A20_157ANT 1



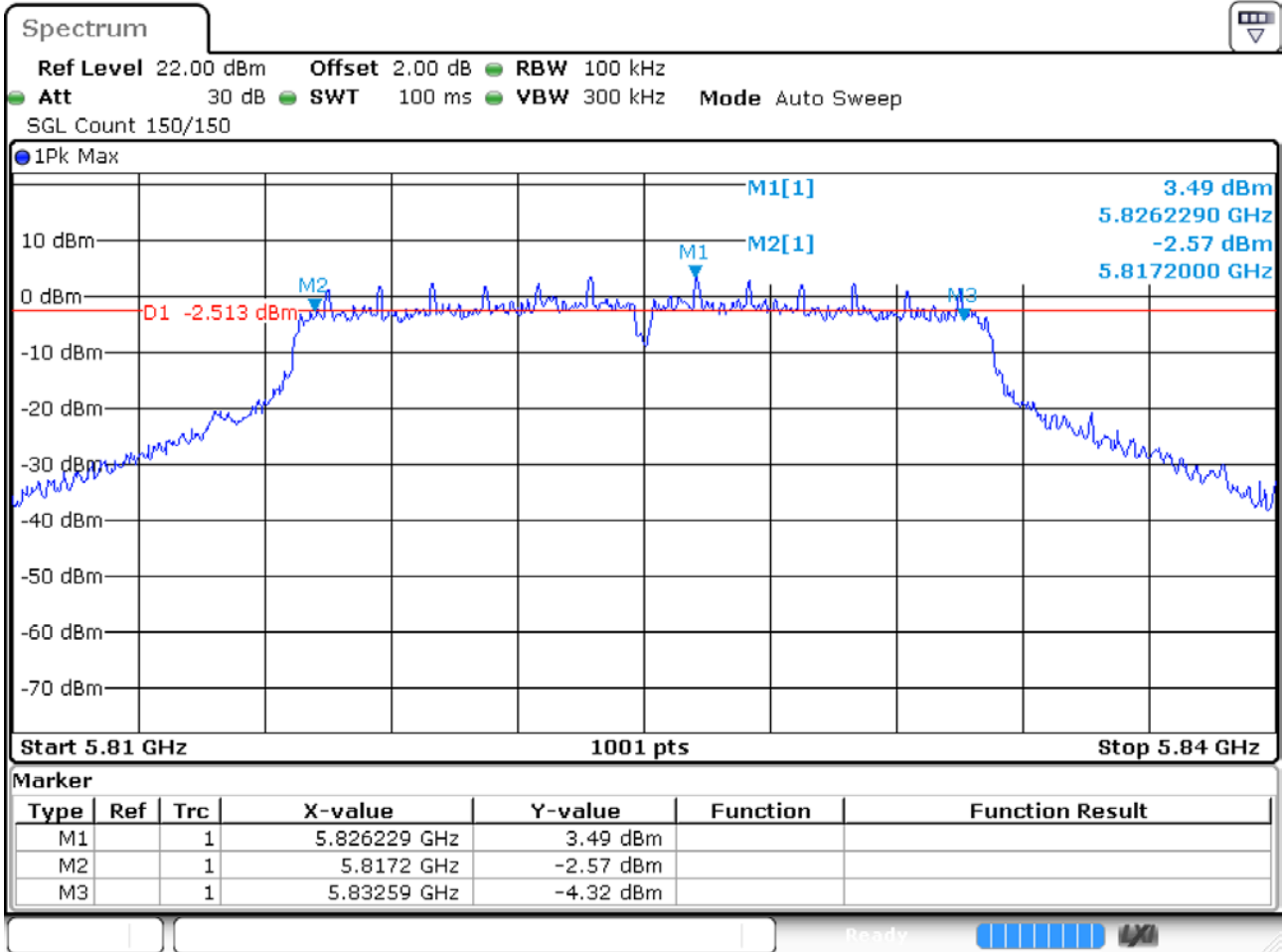
Date: 21.AUG.2020 16:54:52



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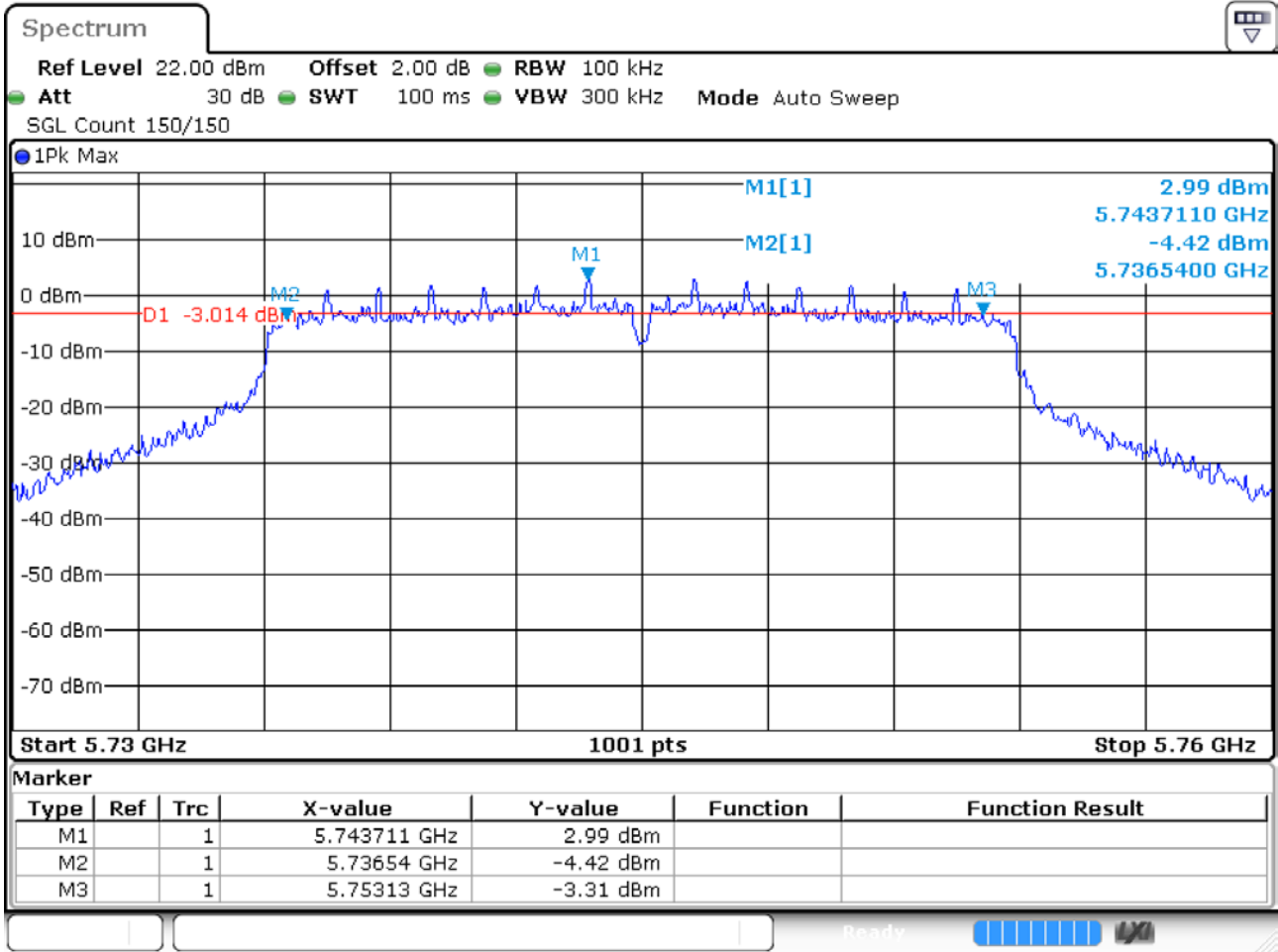
4.6.2.3 11A20_165 ANT 1



Date: 21.AUG.2020 16:56:28



4.6.2.4 11N20_149 ANT 1



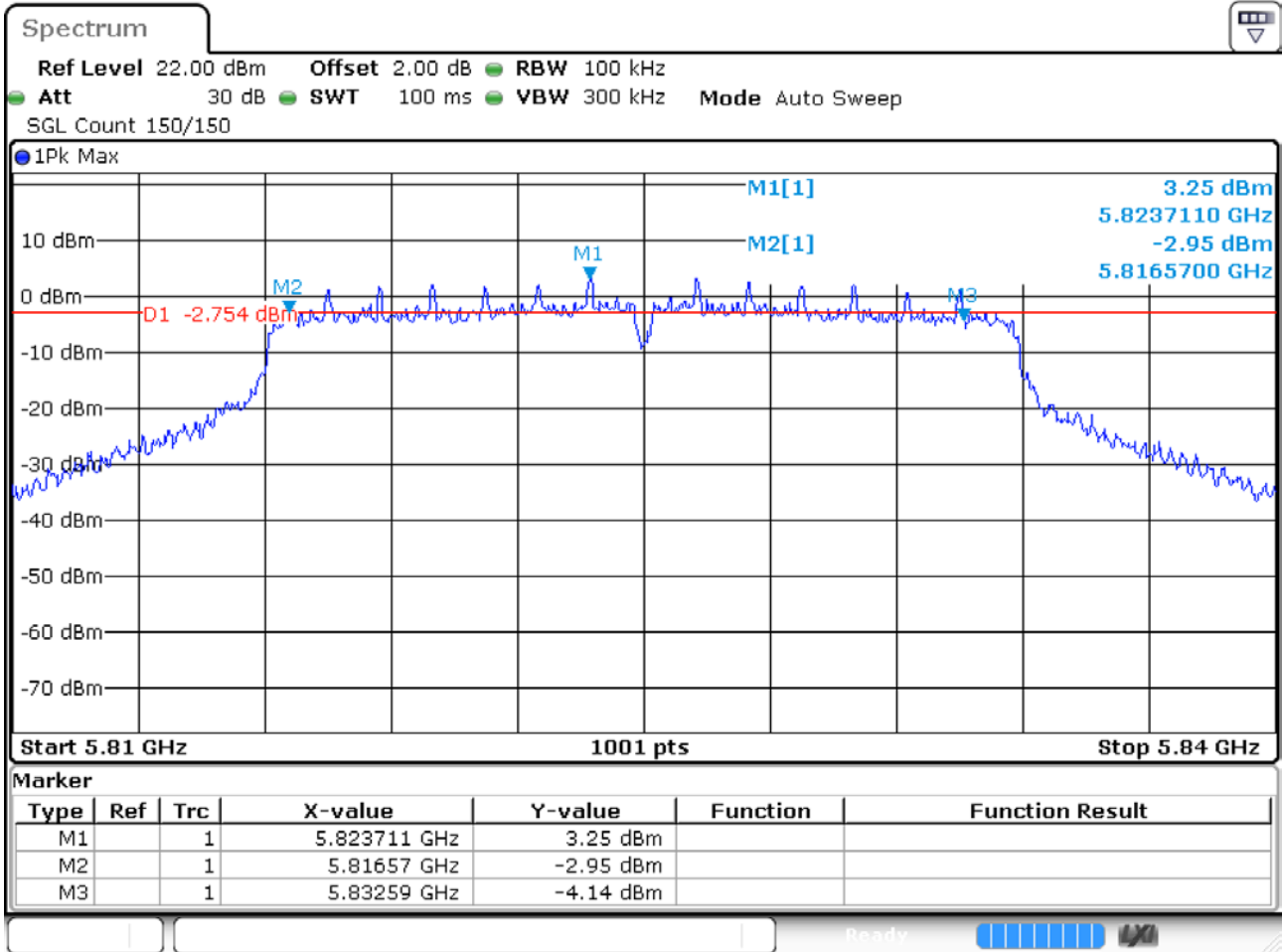
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4.6.2.5 11N20_165 ANT 1



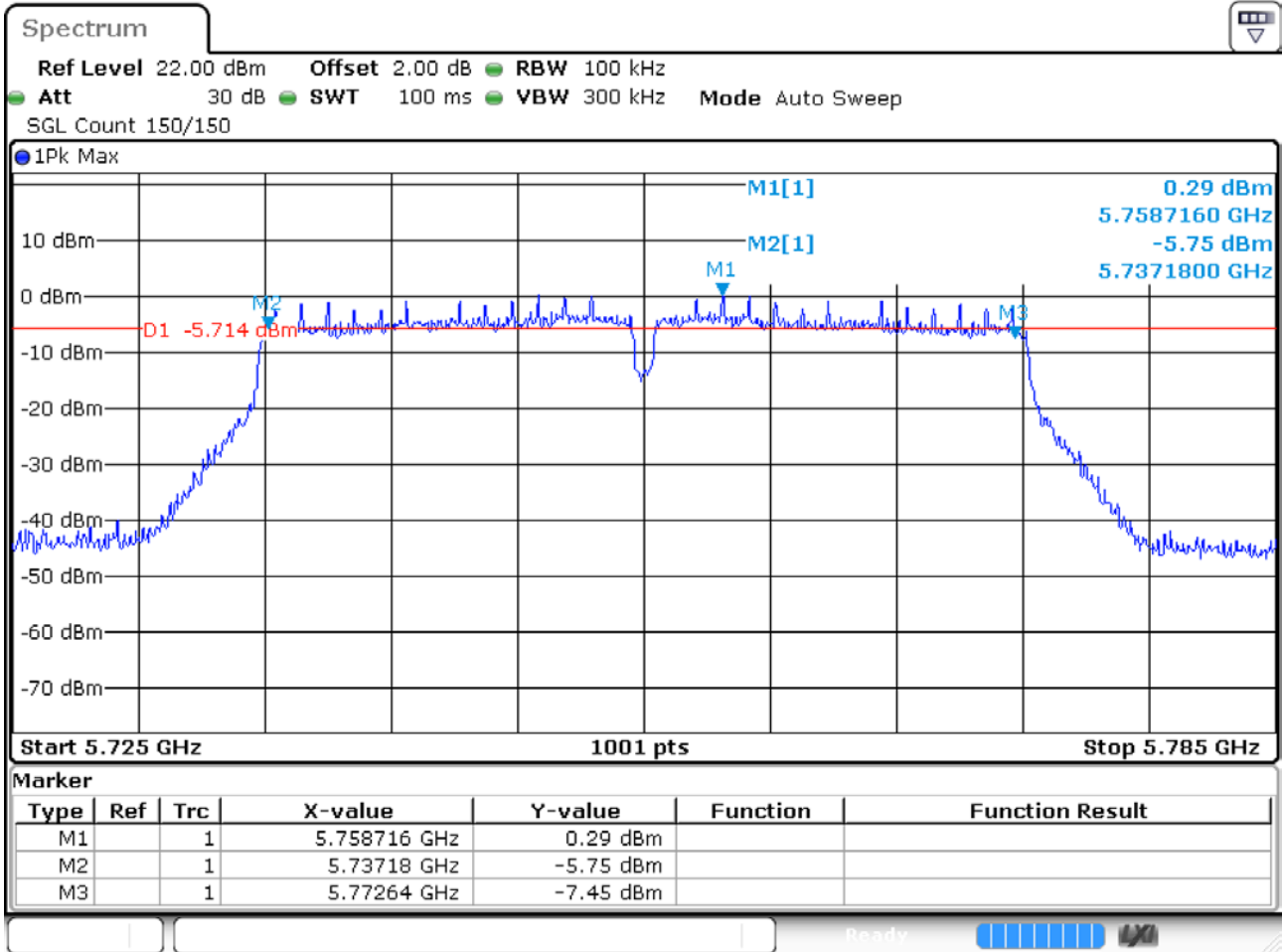
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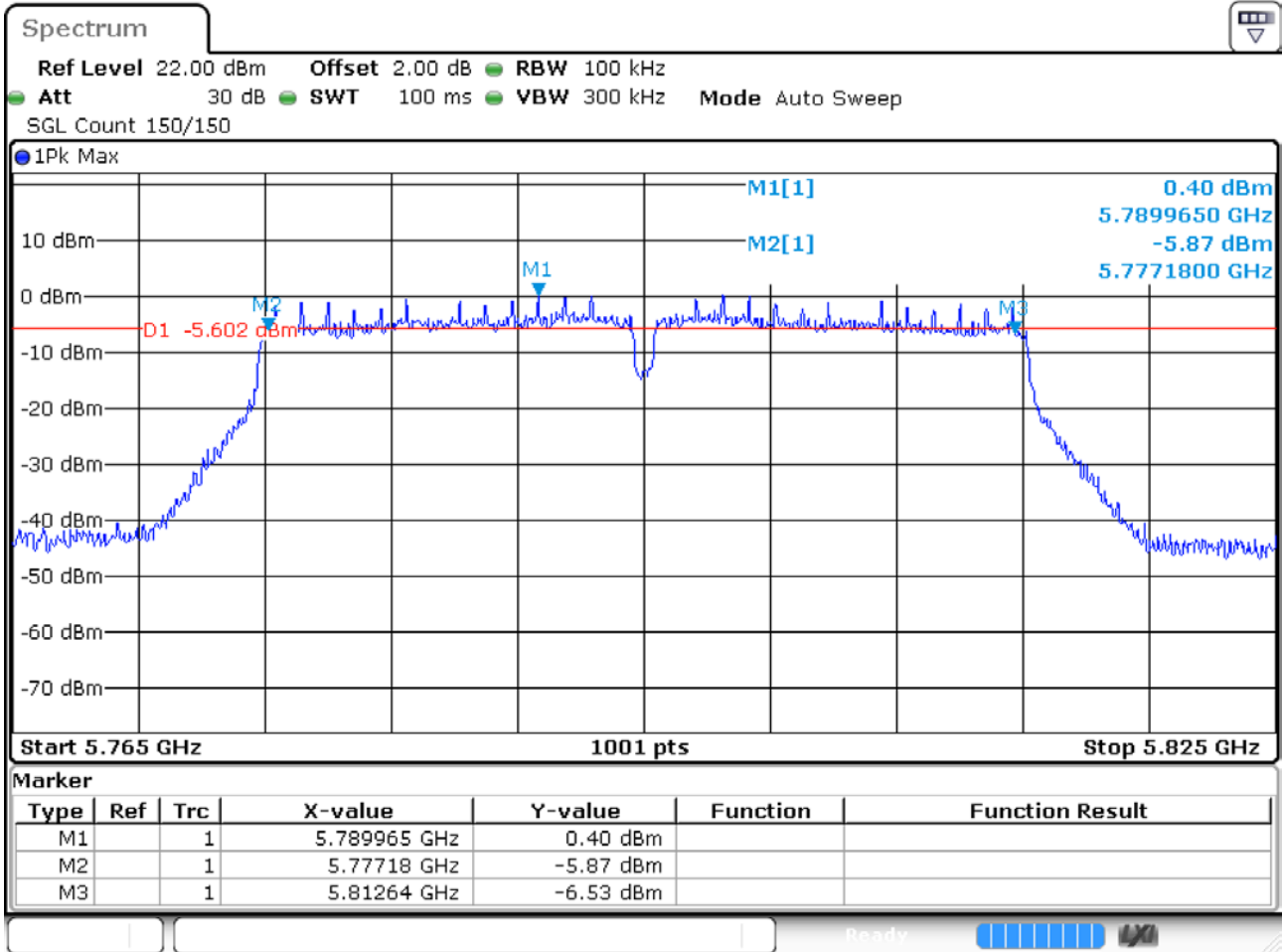
4.6.2.6 11N40_151 ANT 1



Date: 21.AUG.2020 18:12:17



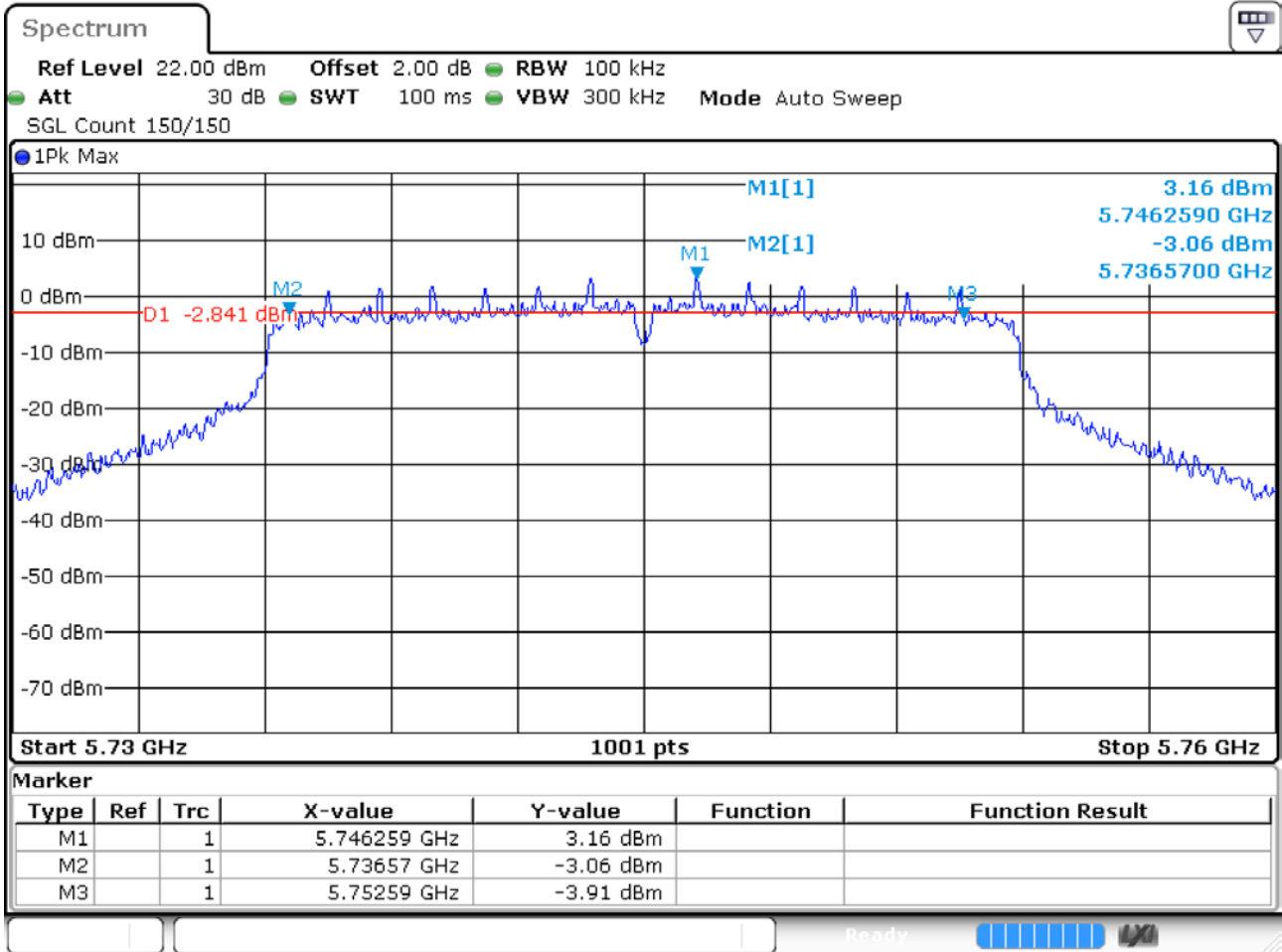
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Date: 21.AUG.2020 18:13:59



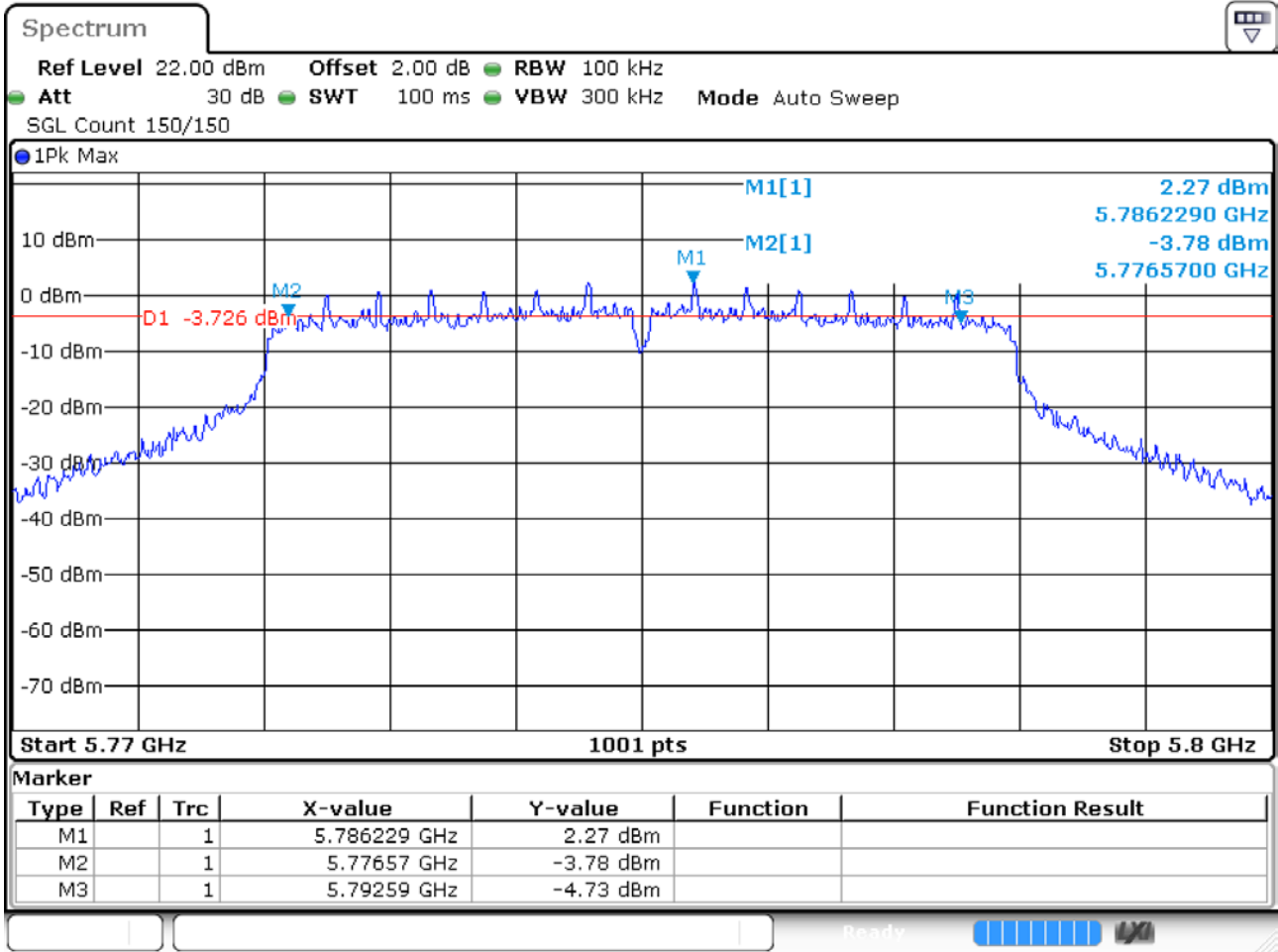
4.6.2.8 11AC20_149 ANT 1



Date: 21.AUG.2020 17:51:40



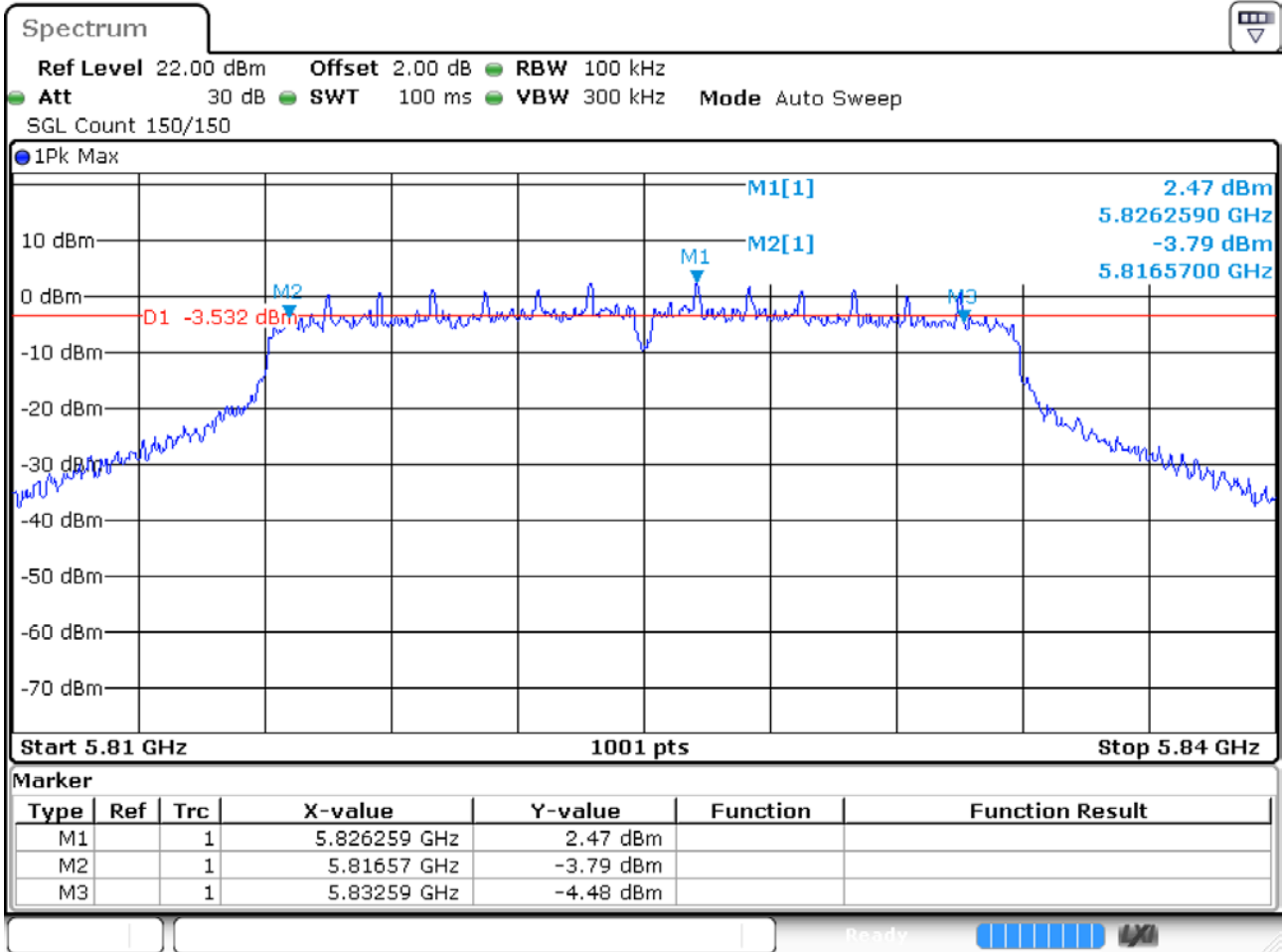
4.6.2.9 11AC20_157 ANT 1



Date: 21.AUG.2020 17:53:31



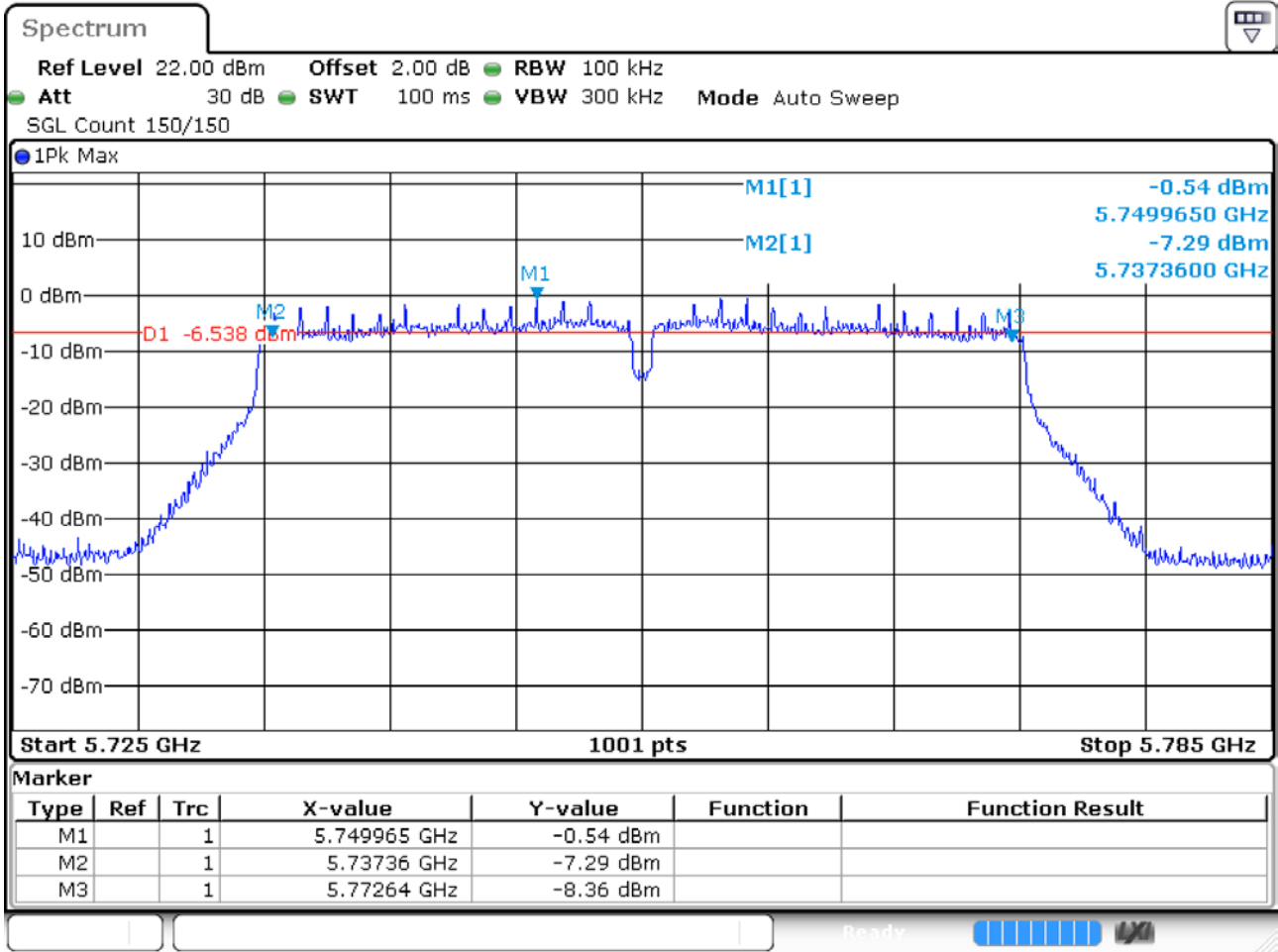
4.6.2.10 11AC20_165 ANT 1



Date: 21.AUG.2020 17:55:10



4.6.2.11 11AC40_151 ANT 1



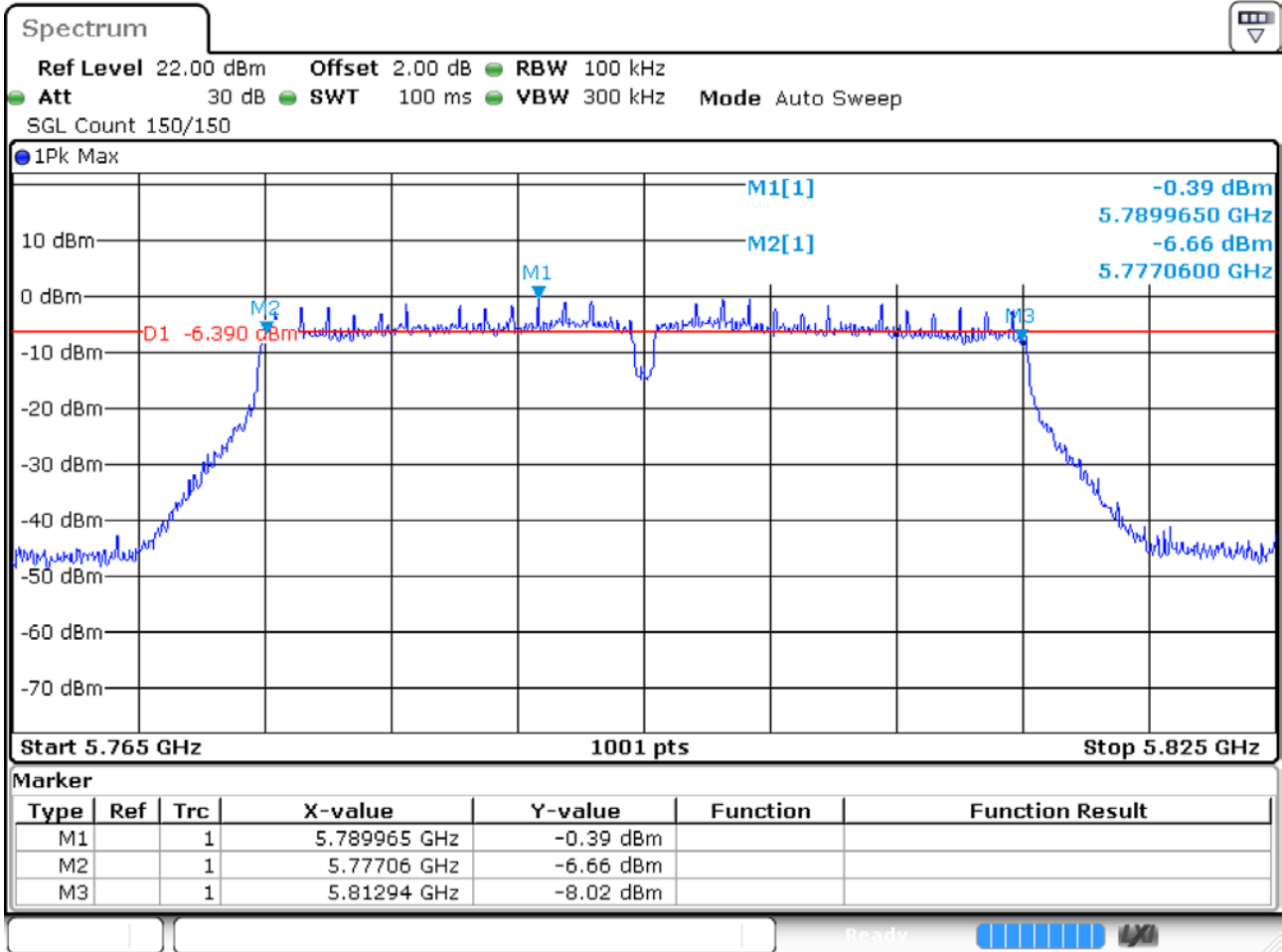
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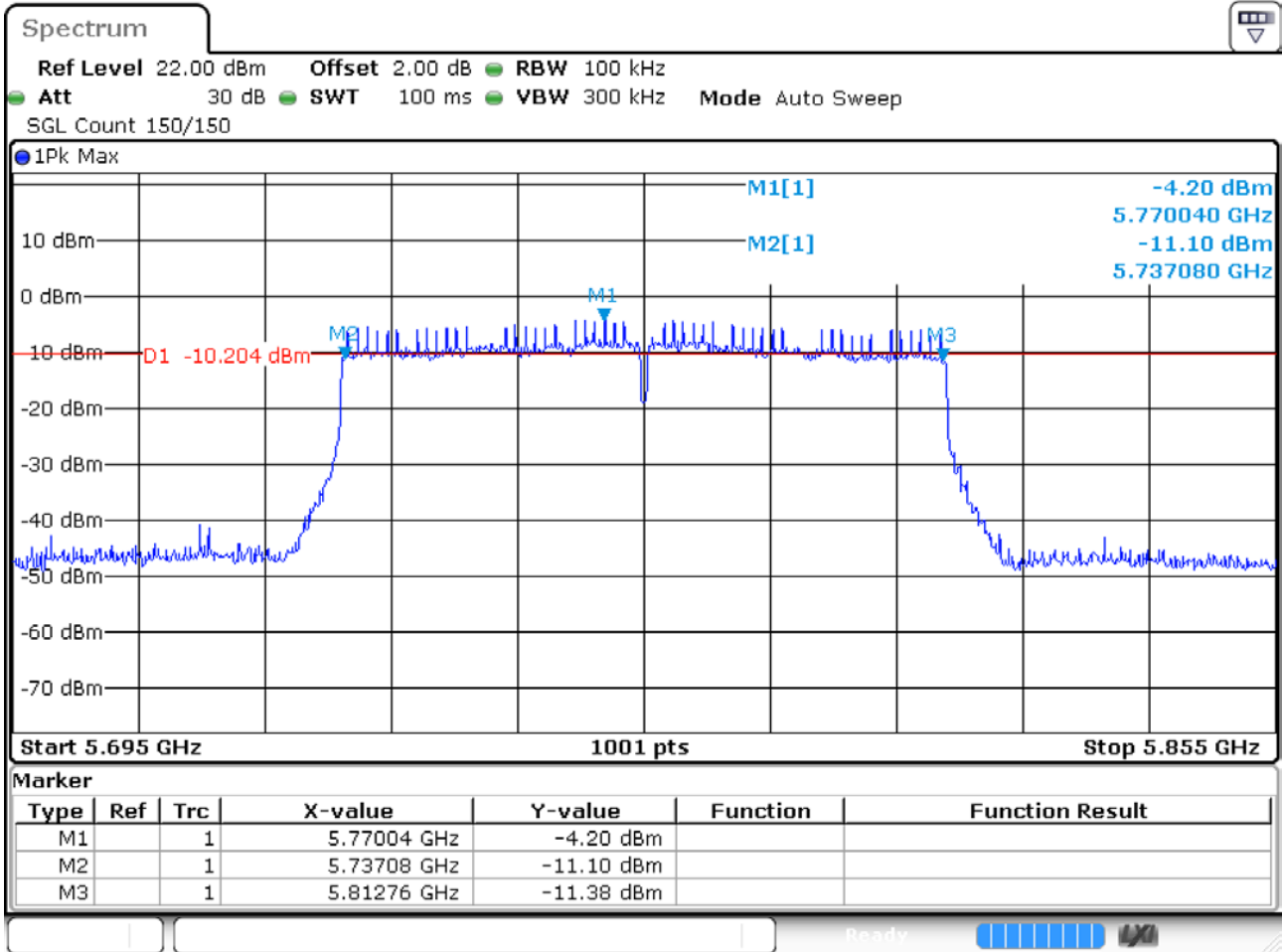
4.6.2.12 11AC40_159 ANT 1



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4.6.2.13 11AC80_155 ANT 1



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4.7 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
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:	<p>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.</p>	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	



4.7.1 Test Results for 99% Occupied Bandwidth

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Occupied Bandwidth [MHz]	Verdict
11A20	36	5180	ANT 1	16.7832	PASS
	44	5220	ANT 1	16.8132	PASS
	48	5240	ANT 1	16.7832	PASS
	52	5260	ANT 1	16.8132	PASS
	60	5300	ANT 1	16.7532	PASS
	64	5320	ANT 1	16.7233	PASS
	100	5500	ANT 1	16.7832	PASS
	116	5580	ANT 1	16.8132	PASS
	140	5700	ANT 1	16.7832	PASS
	149	5745	ANT 1	16.7832	PASS
	157	5785	ANT 1	16.7832	PASS
	165	5825	ANT 1	16.7832	PASS
11N20	36	5180	ANT 1	17.952	PASS
	44	5220	ANT 1	17.9221	PASS
	48	5240	ANT 1	17.952	PASS
	52	5260	ANT 1	17.952	PASS
	60	5300	ANT 1	17.9221	PASS
	64	5320	ANT 1	17.9221	PASS
	100	5500	ANT 1	17.952	PASS
	116	5580	ANT 1	17.952	PASS
	140	5700	ANT 1	17.952	PASS
	149	5745	ANT 1	17.952	PASS
	157	5785	ANT 1	17.952	PASS
	165	5825	ANT 1	17.952	PASS
11N40	38	5190	ANT 1	36.3237	PASS
	46	5230	ANT 1	36.3237	PASS
	54	5270	ANT 1	36.3836	PASS
	62	5310	ANT 1	36.3237	PASS
	102	5510	ANT 1	36.3237	PASS
	110	5550	ANT 1	36.3237	PASS
	134	5670	ANT 1	36.3237	PASS
	151	5755	ANT 1	36.3237	PASS
11AC20	36	5180	ANT 1	17.9221	PASS
	44	5220	ANT 1	17.9221	PASS



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	48	5240	ANT 1	17.9221	PASS
	52	5260	ANT 1	17.8921	PASS
	60	5300	ANT 1	17.9221	PASS
	64	5320	ANT 1	17.9221	PASS
	100	5500	ANT 1	17.9221	PASS
	116	5580	ANT 1	17.9221	PASS
	140	5700	ANT 1	17.9221	PASS
	149	5745	ANT 1	17.952	PASS
	157	5785	ANT 1	17.952	PASS
	165	5825	ANT 1	17.952	PASS
11AC40	38	5190	ANT 1	36.3237	PASS
	46	5230	ANT 1	36.3237	PASS
	54	5270	ANT 1	36.3836	PASS
	62	5310	ANT 1	36.3237	PASS
	102	5510	ANT 1	36.3237	PASS
	110	5550	ANT 1	36.3237	PASS
	134	5670	ANT 1	36.3237	PASS
	151	5755	ANT 1	36.3237	PASS
	159	5795	ANT 1	36.3836	PASS
11AC80	42	5210	ANT 1	75.7642	PASS
	58	5290	ANT 1	76.004	PASS
	106	5530	ANT 1	75.8841	PASS
	122	5610	ANT 1	76.004	PASS
	155	5775	ANT 1	75.8841	PASS

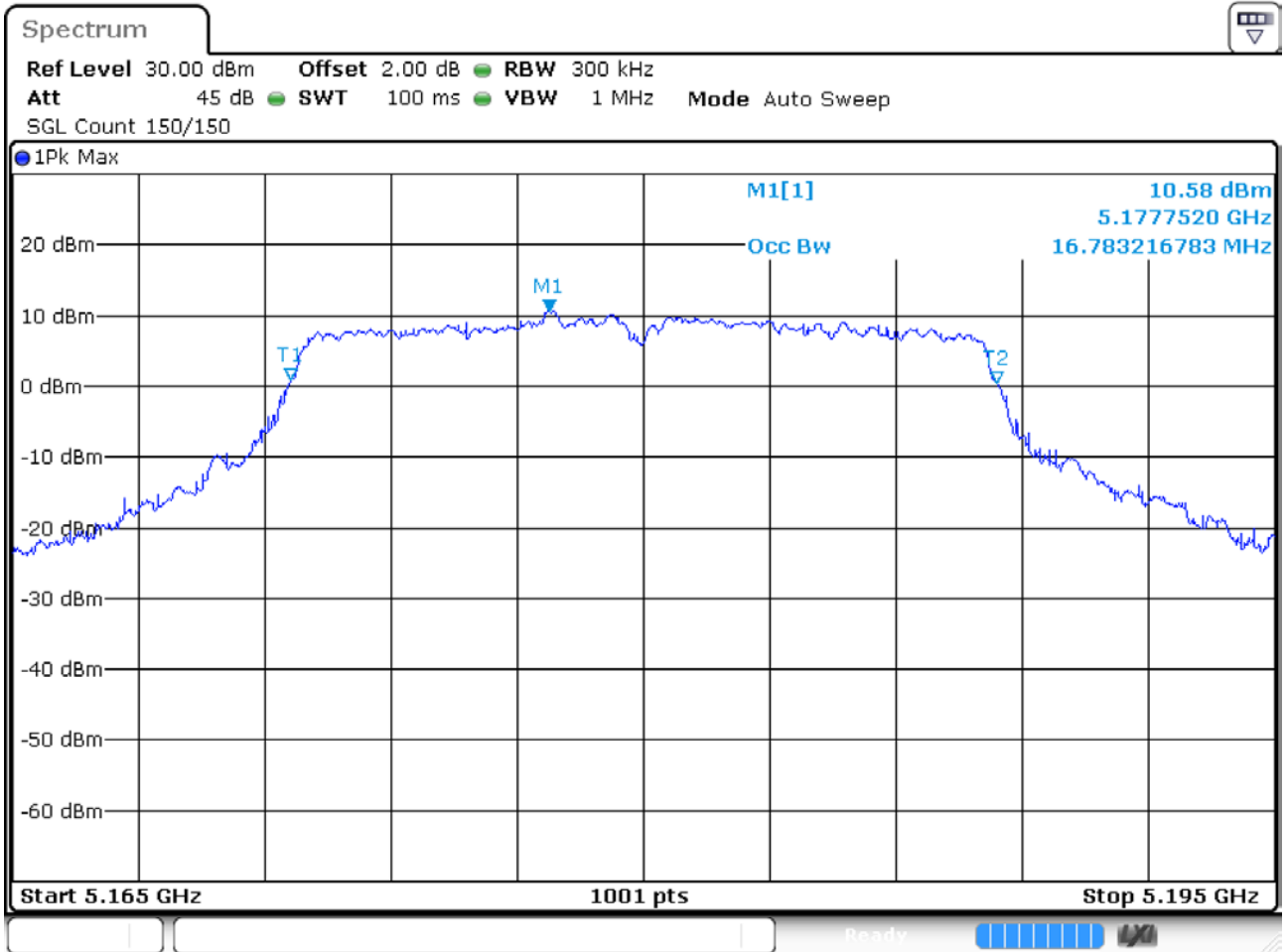


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4.7.2 Plots for 99% Occupied Bandwidth

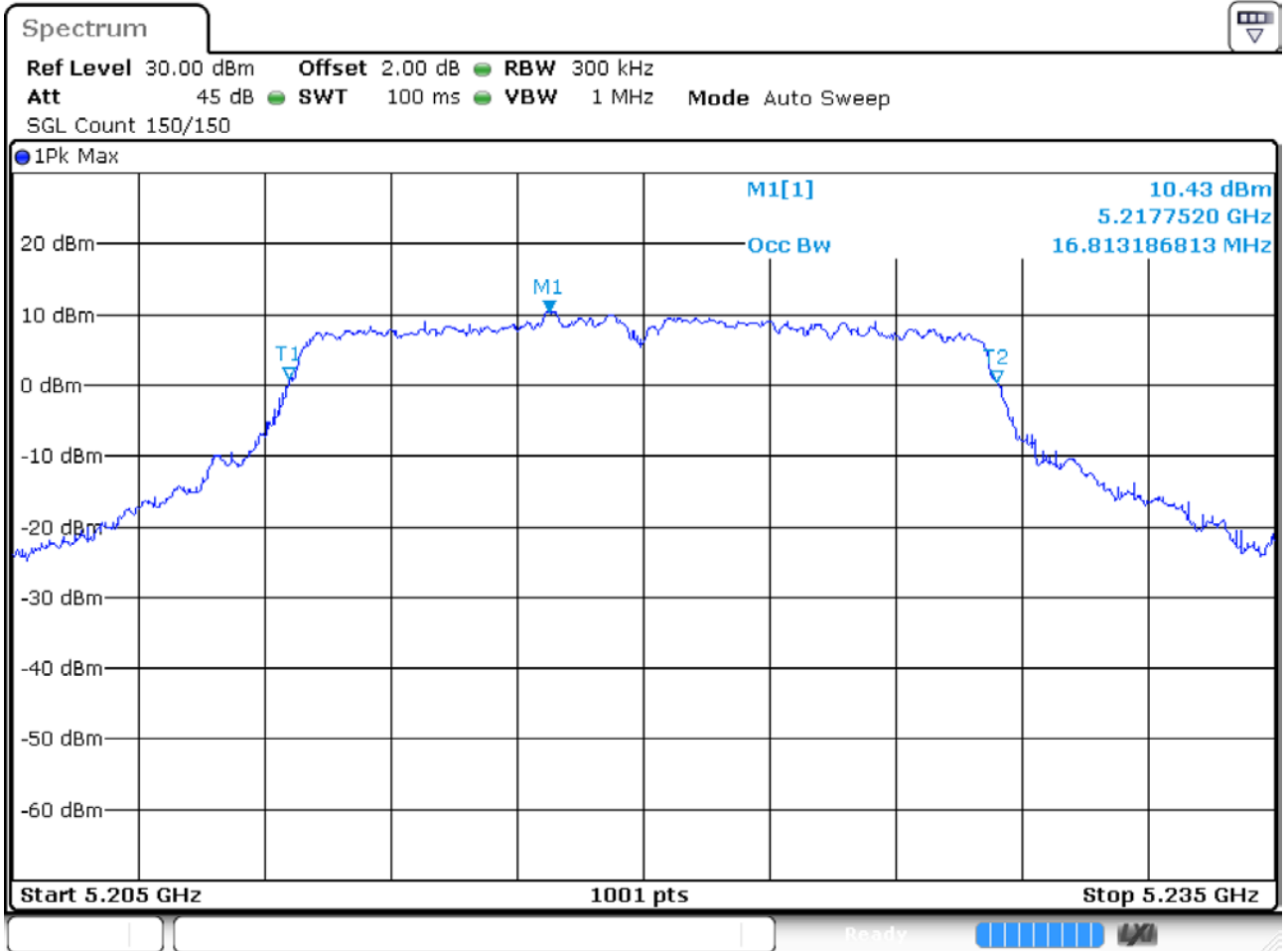
4.7.2.1 11A20_36 ANT 1



Date: 21.AUG.2020 16:28:01



4.7.2.2 11A20_44 ANT 1



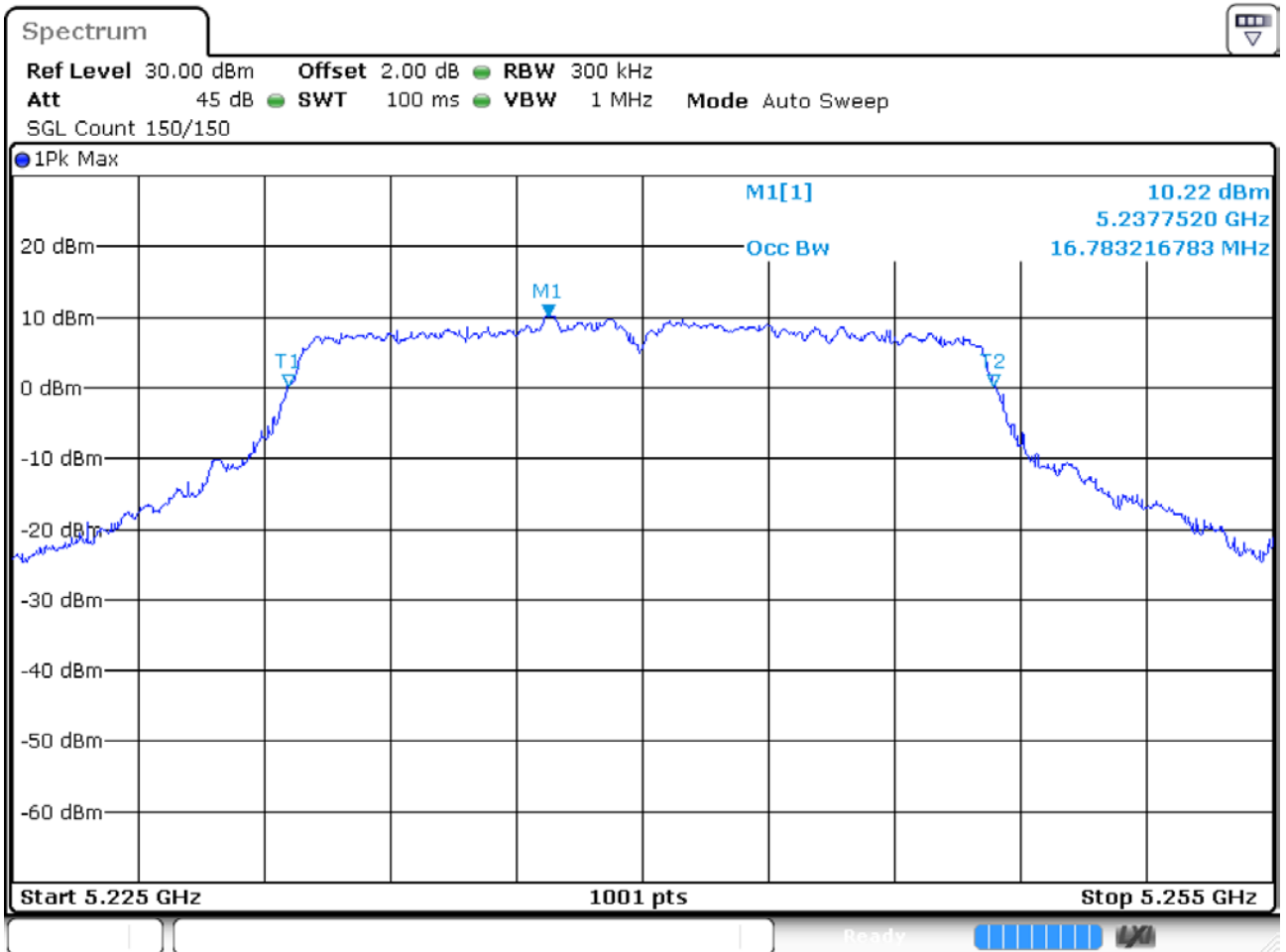
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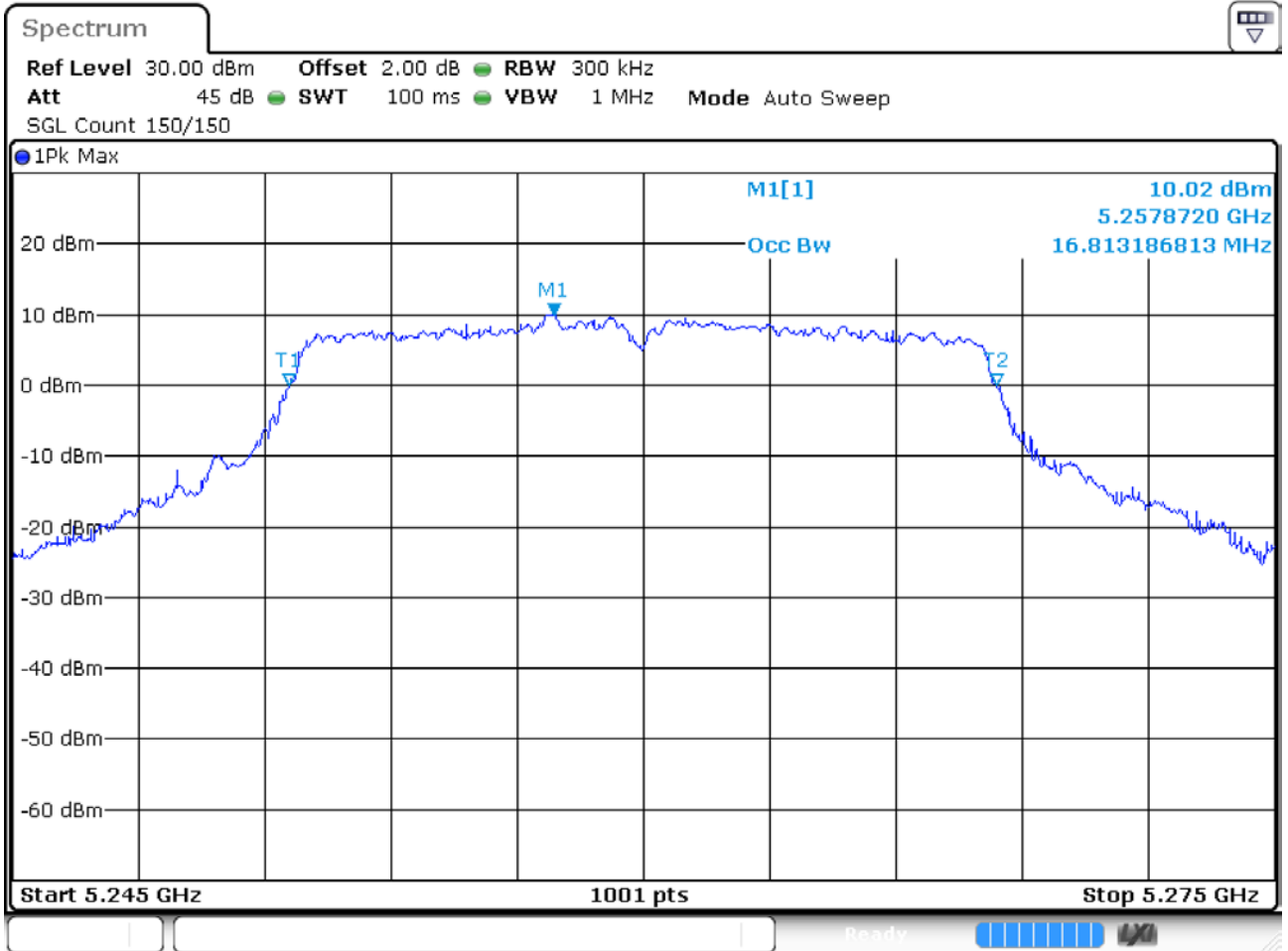
4.7.2.3 11A20_48 ANT 1



Date: 21.AUG.2020 16:32:28



4.7.2.4 11A20_52 ANT 1



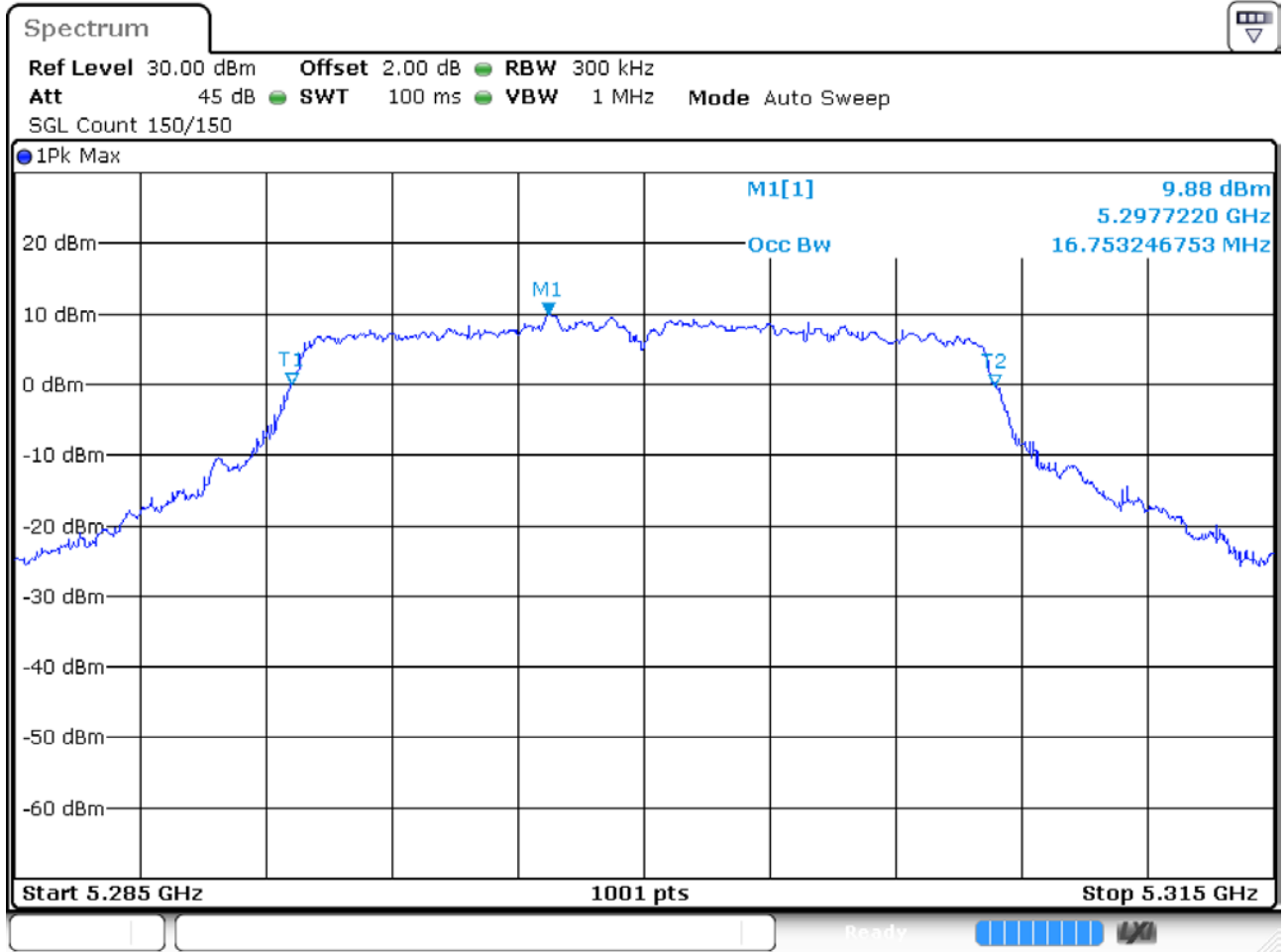
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4.7.2.5 11A20_60 ANT 1



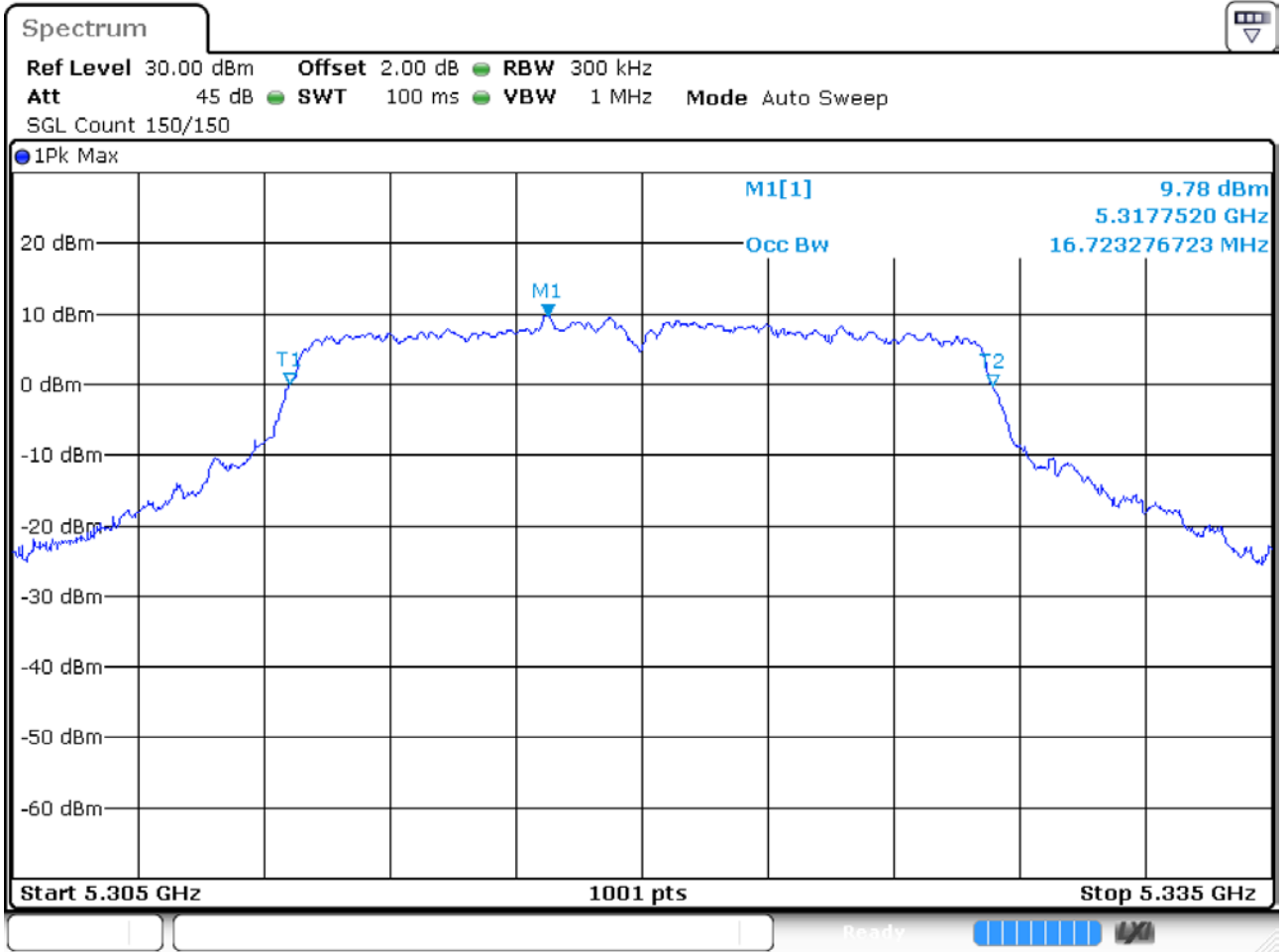
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4.7.2.6 11A20_64 ANT 1



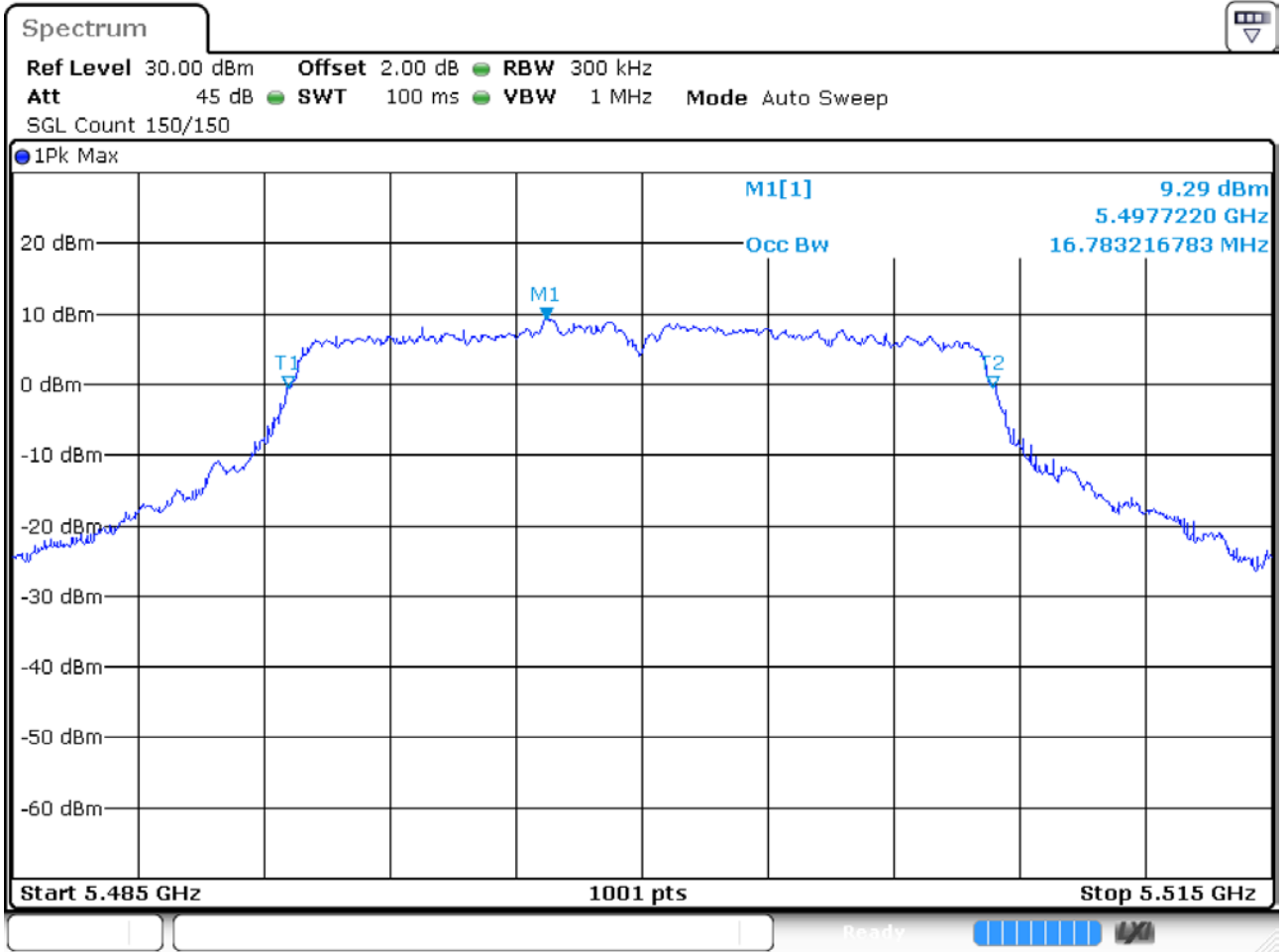
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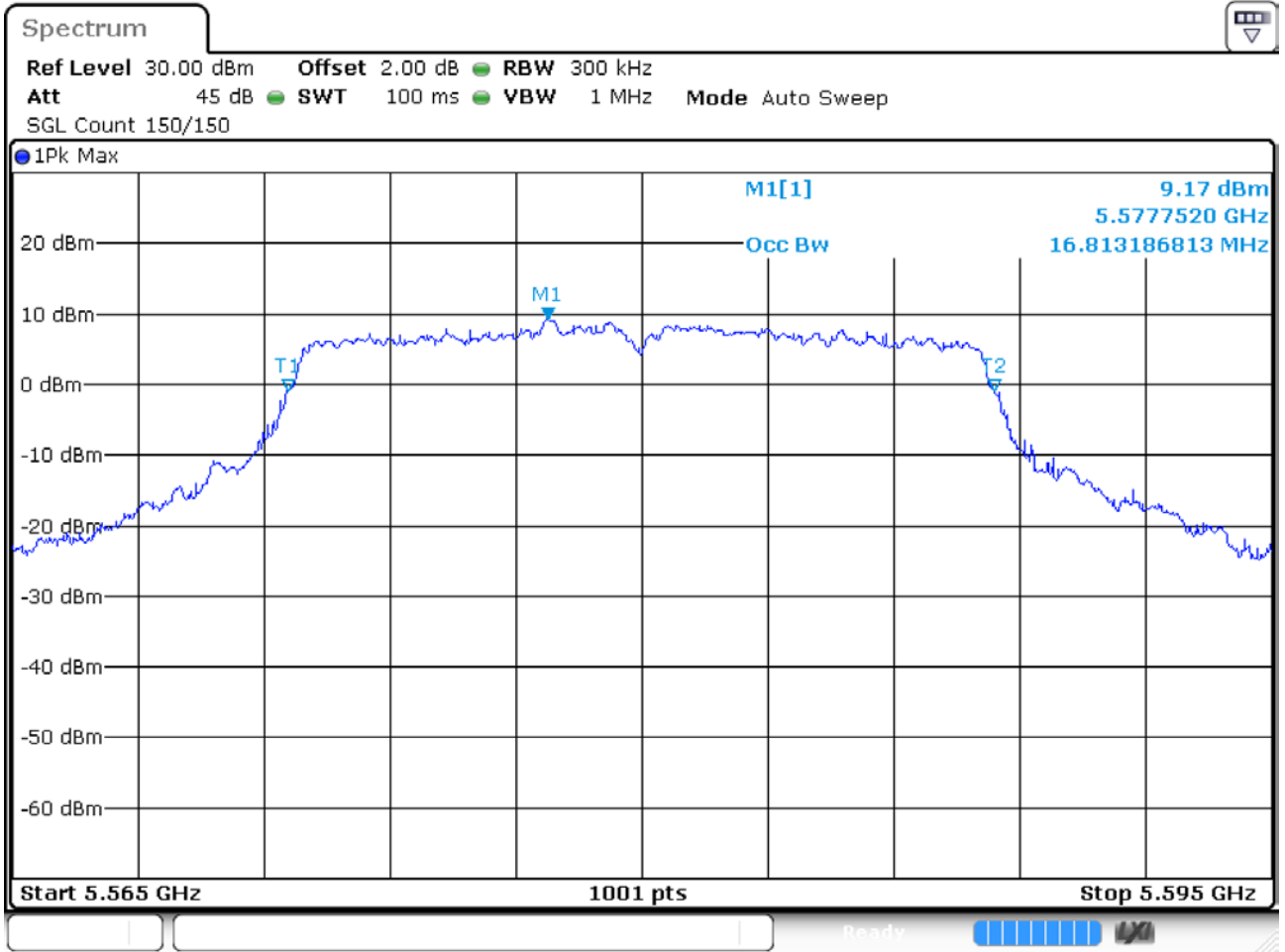
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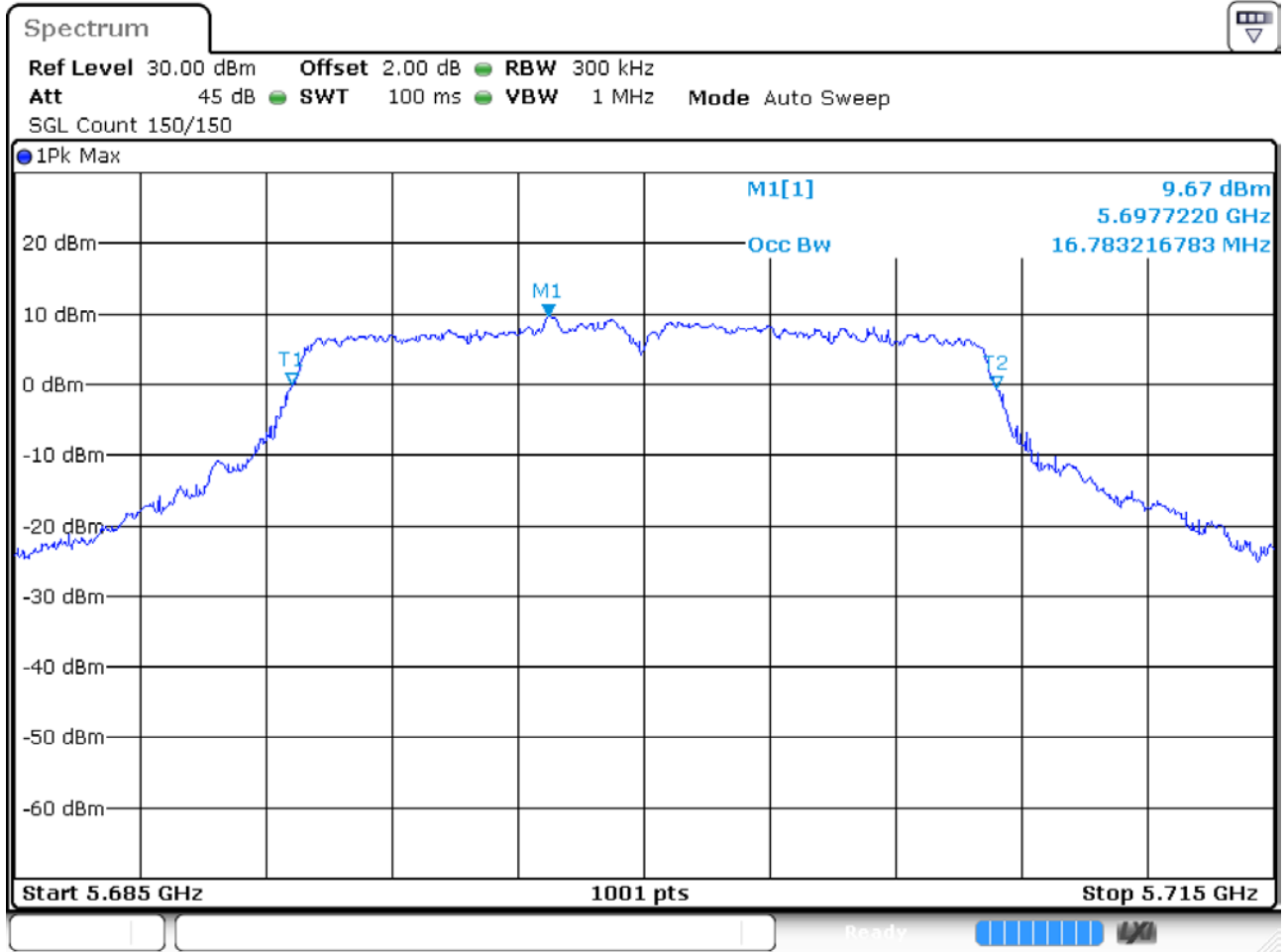
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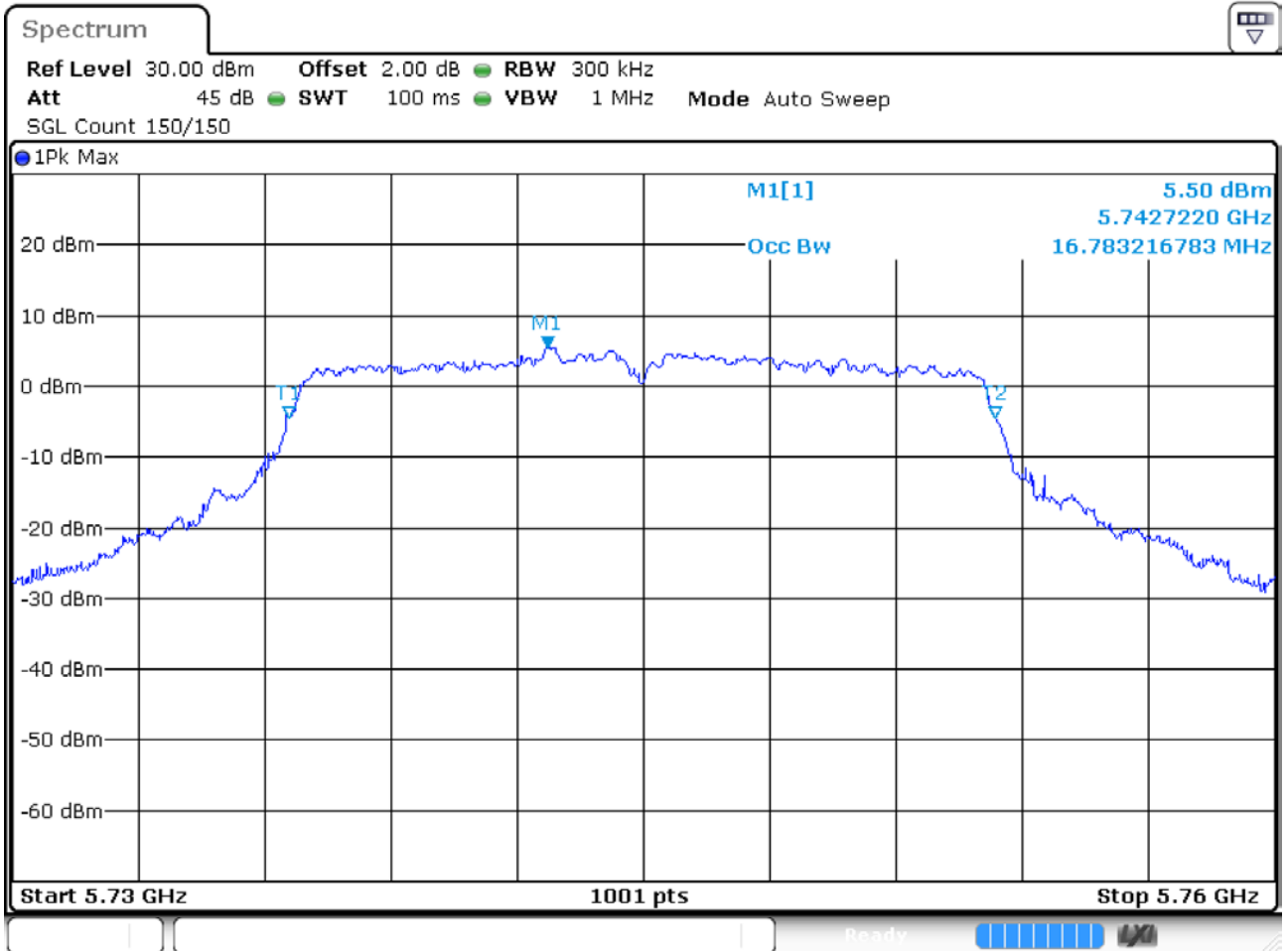
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Date: 21.AUG.2020 16:45:32



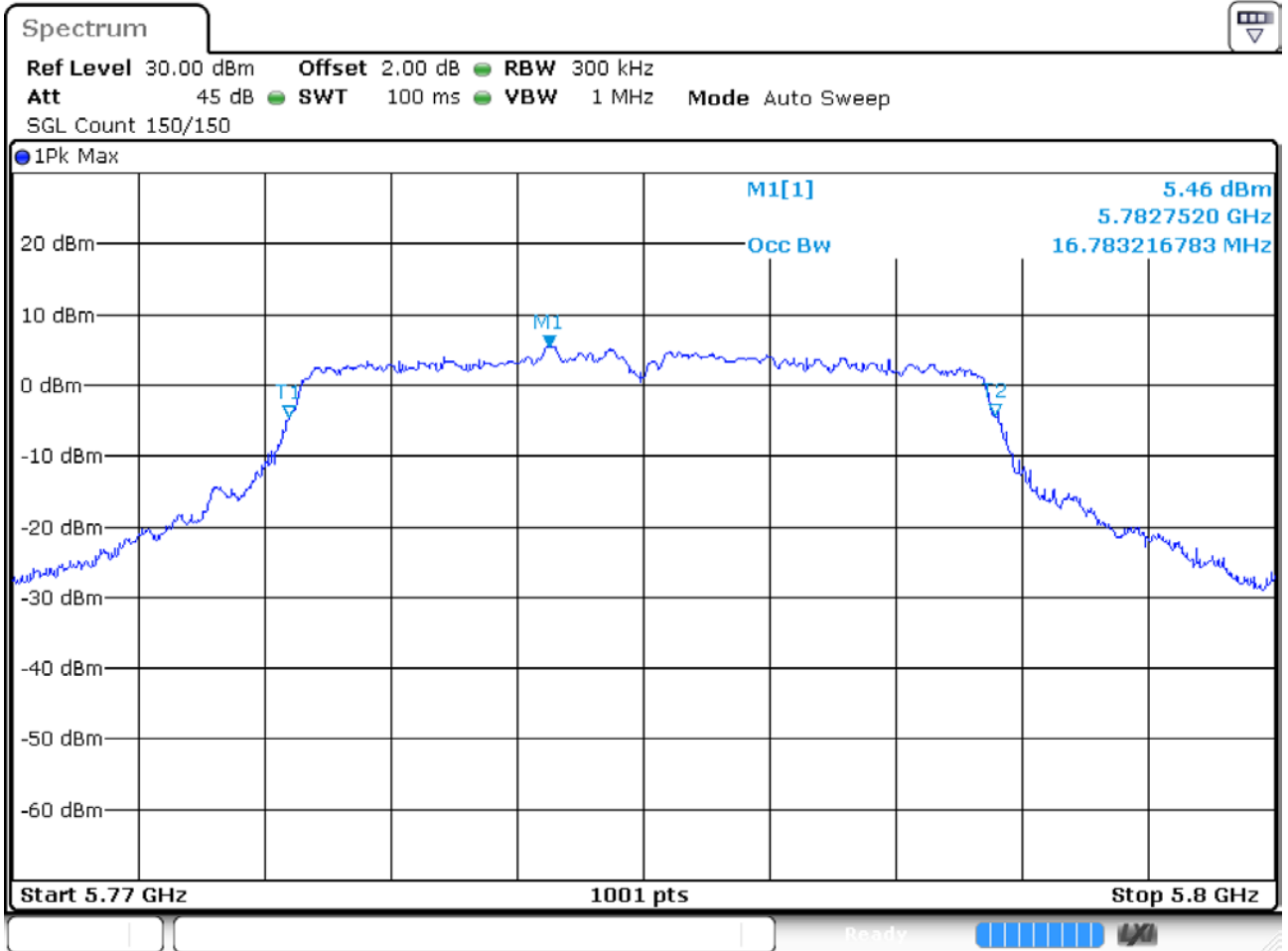
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Date: 21.AUG.2020 16:53:20



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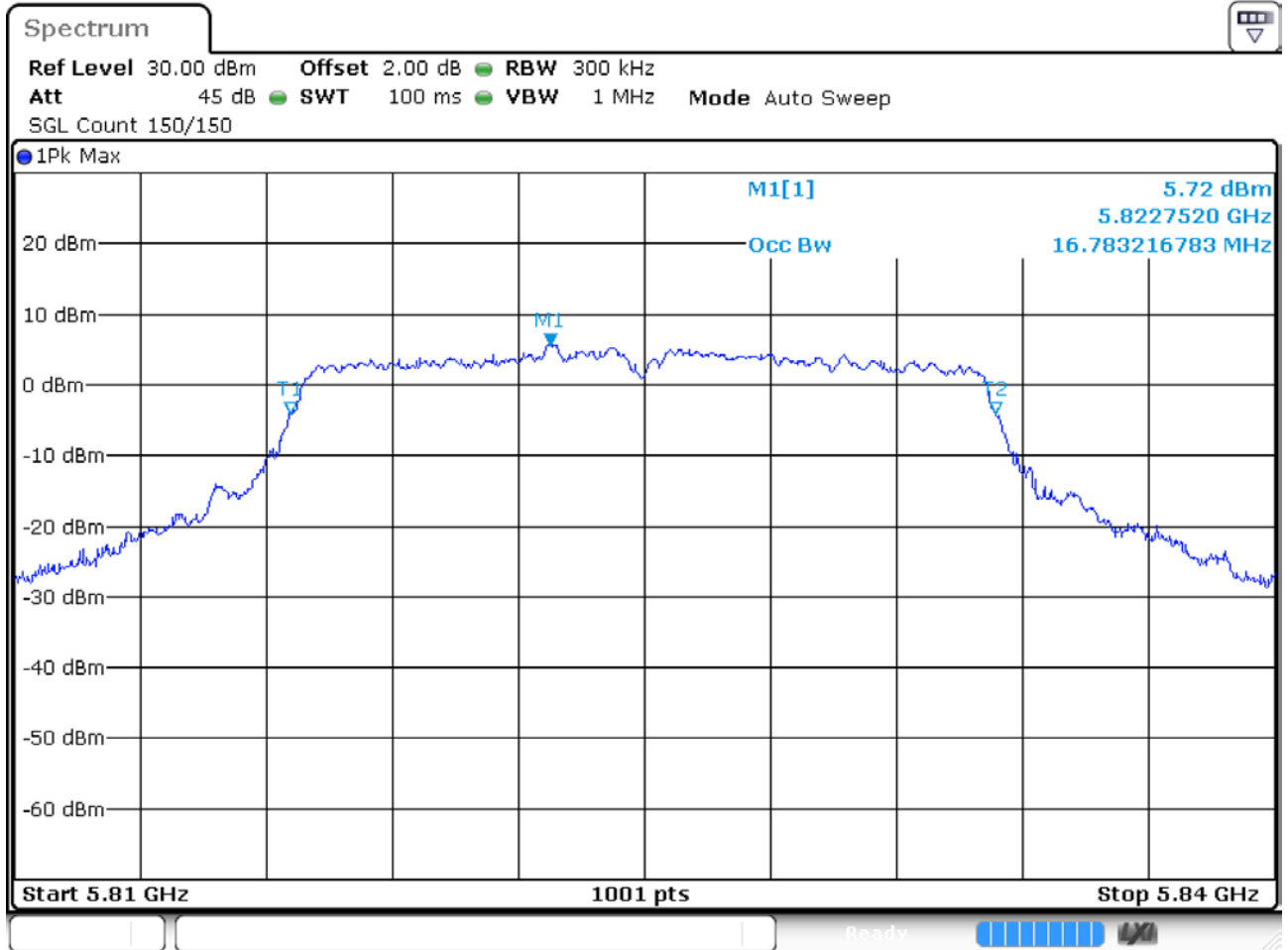
Date: 21.AUG.2020 16:55:12



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4.7.2.12 11A20_165 ANT 1



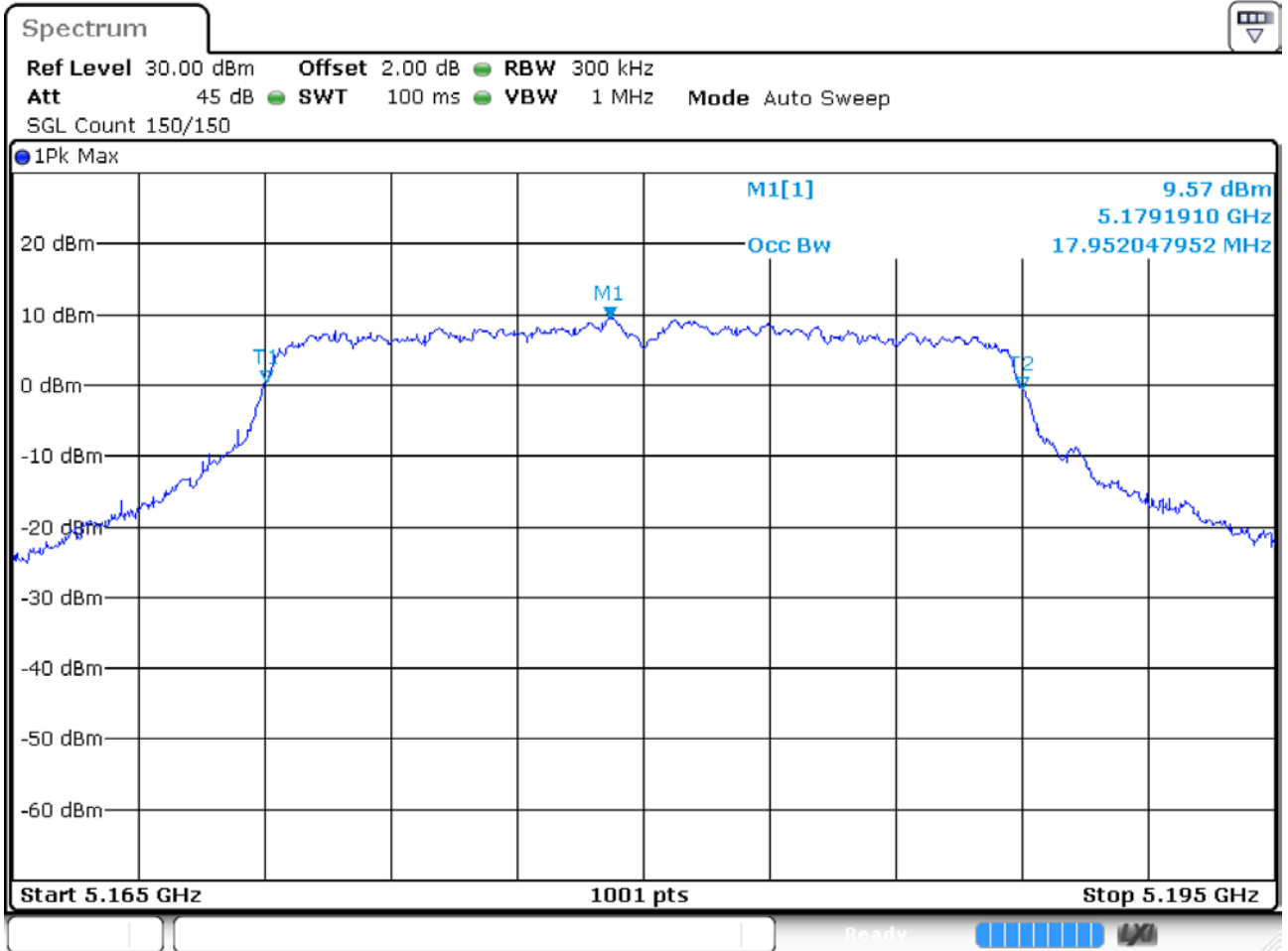
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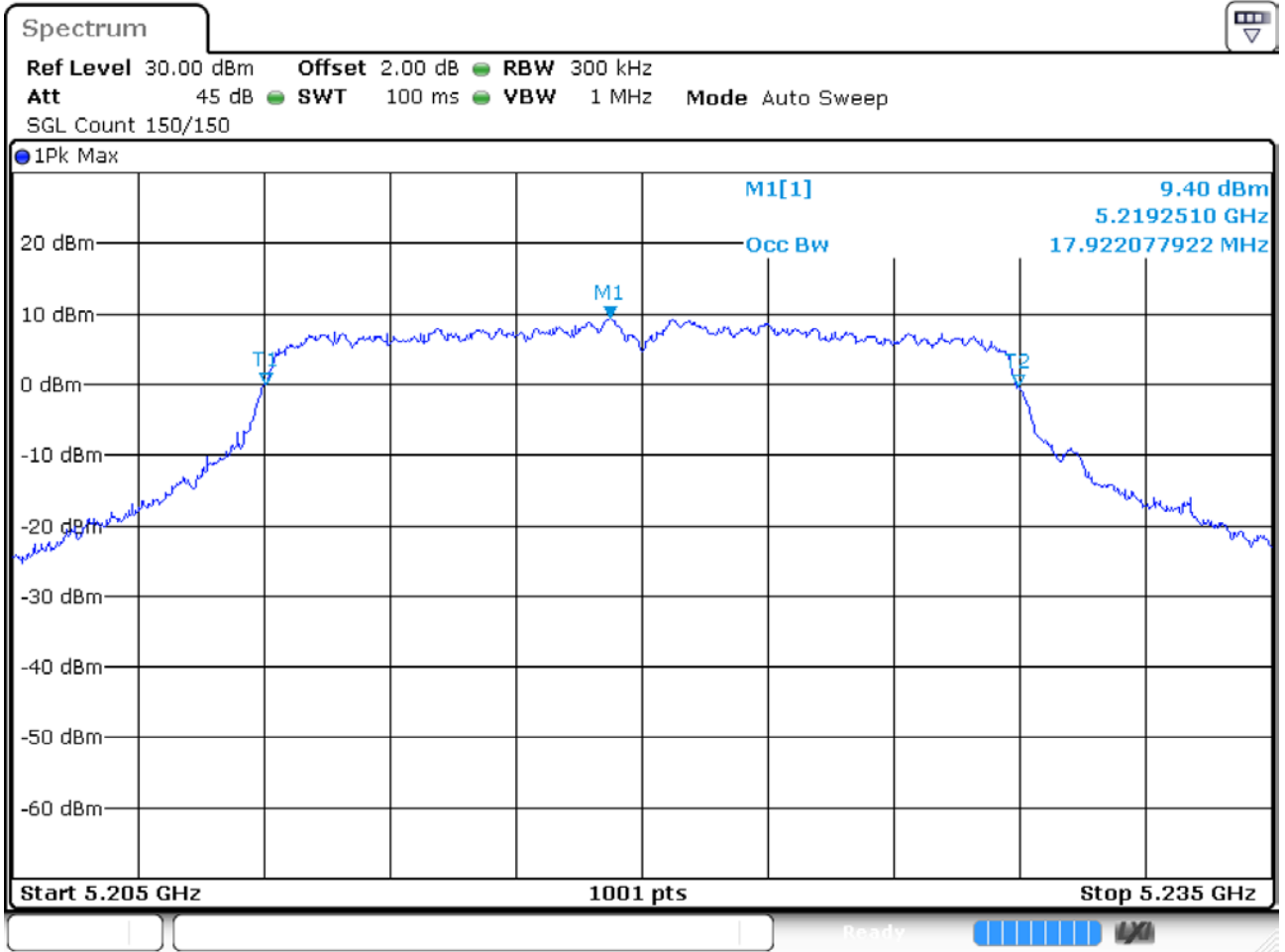
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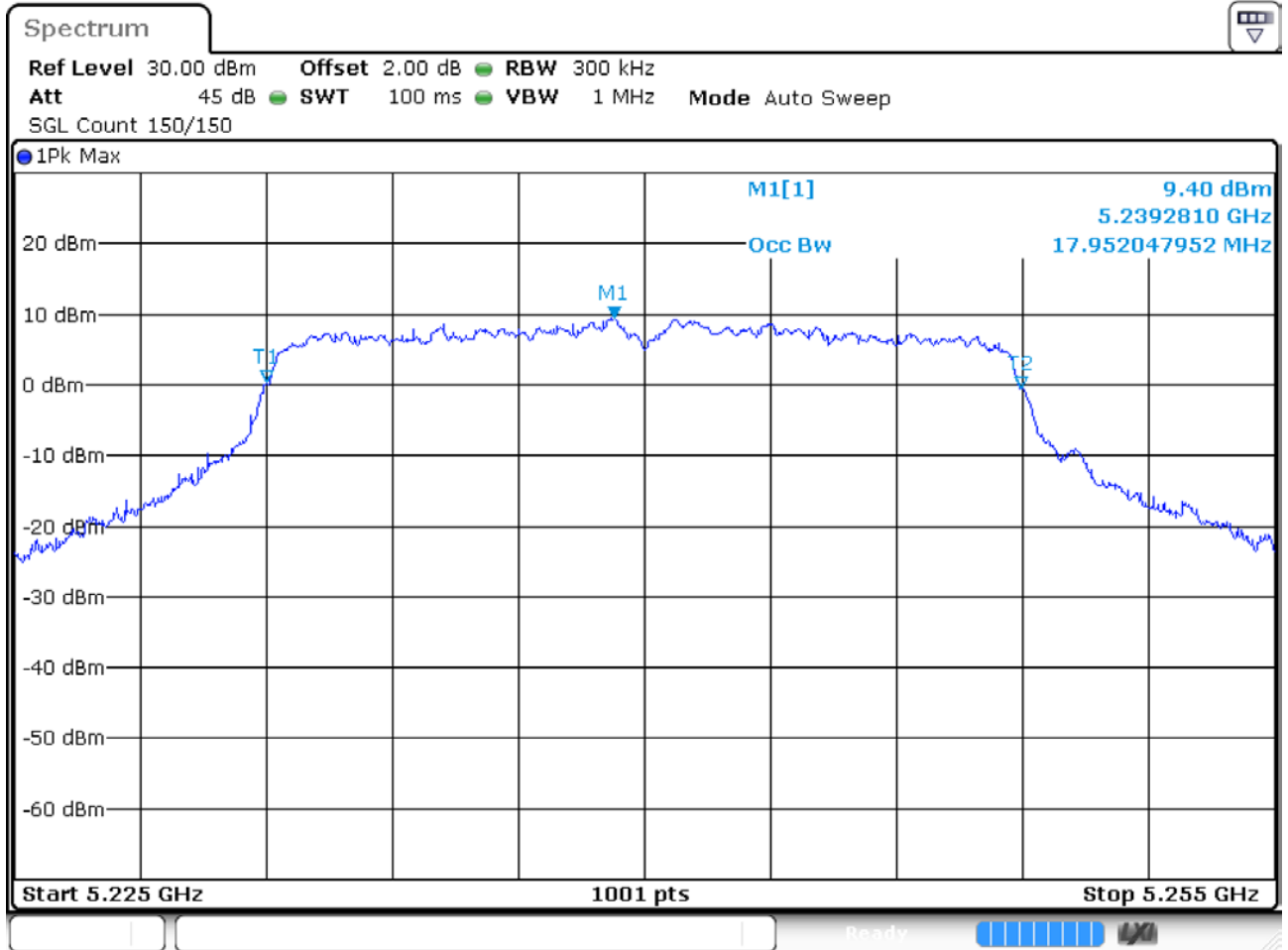
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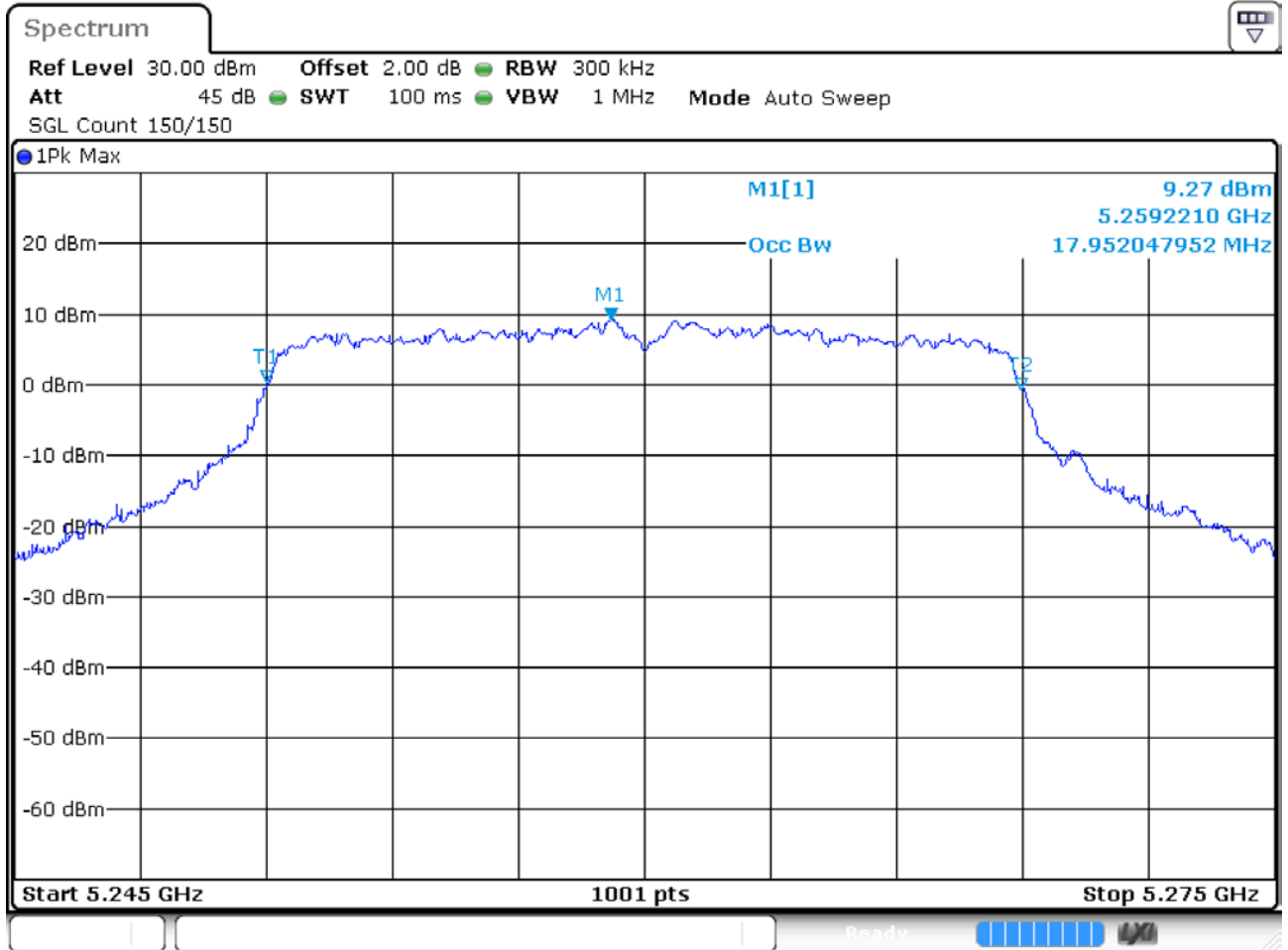
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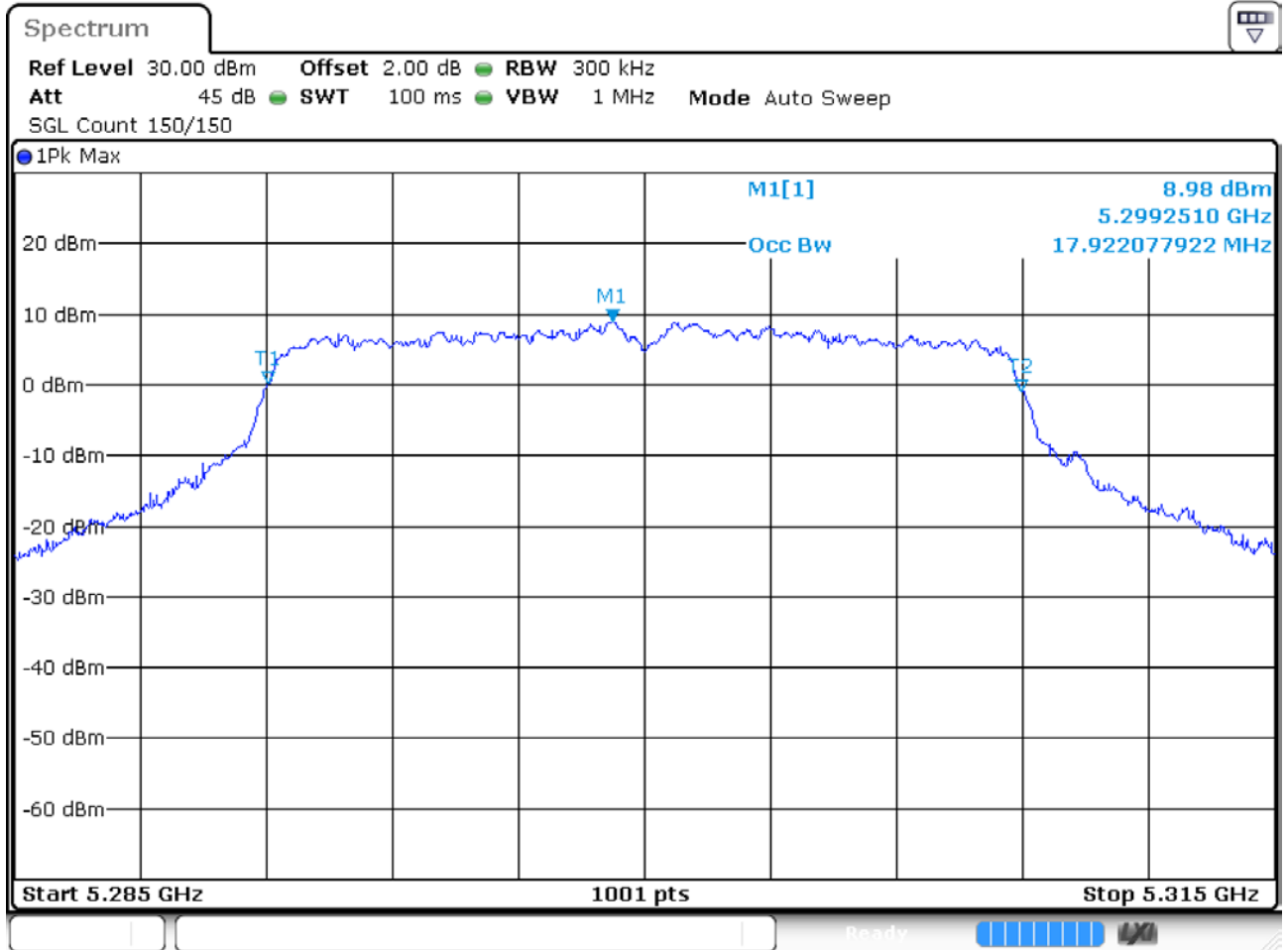
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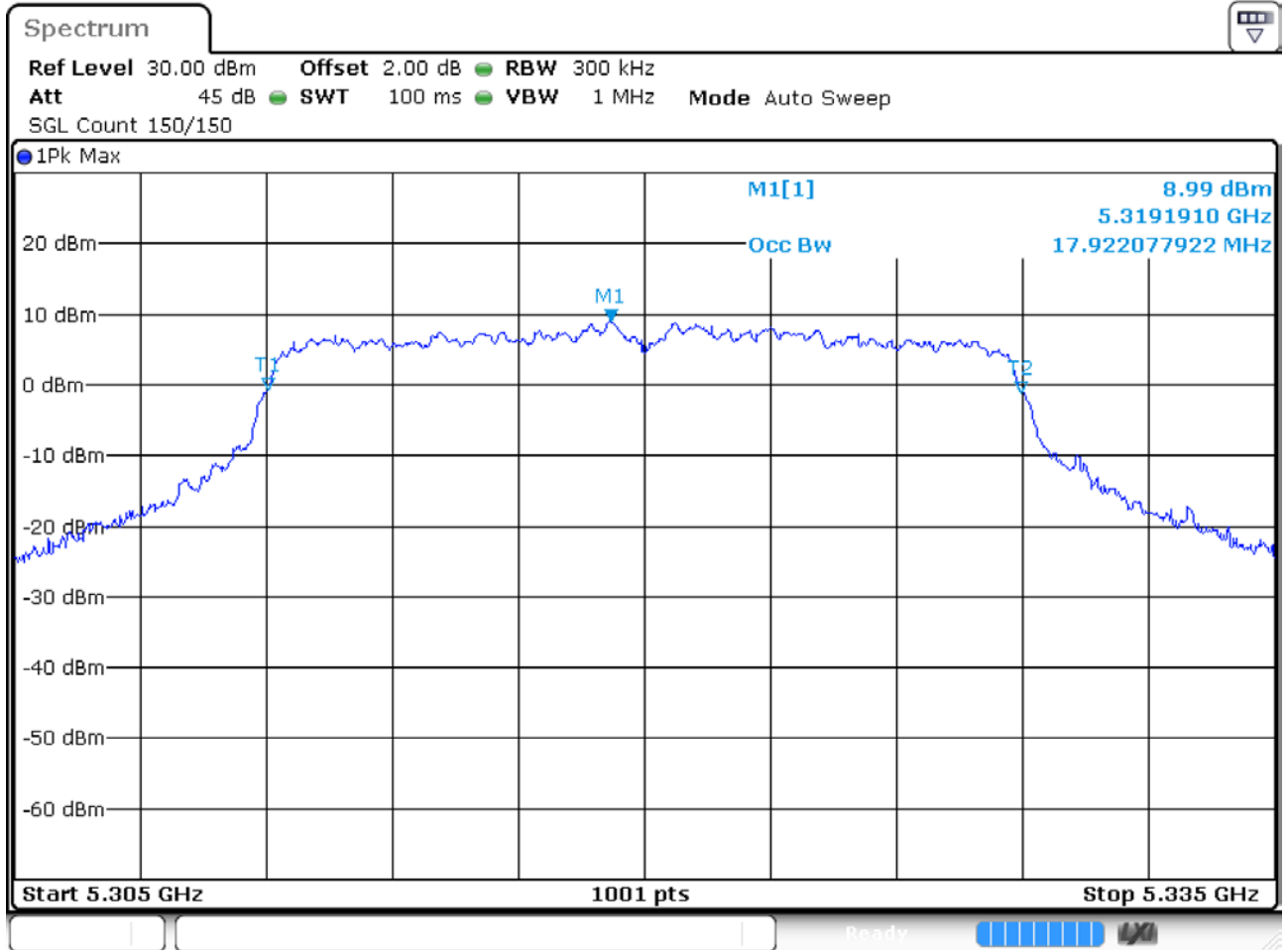
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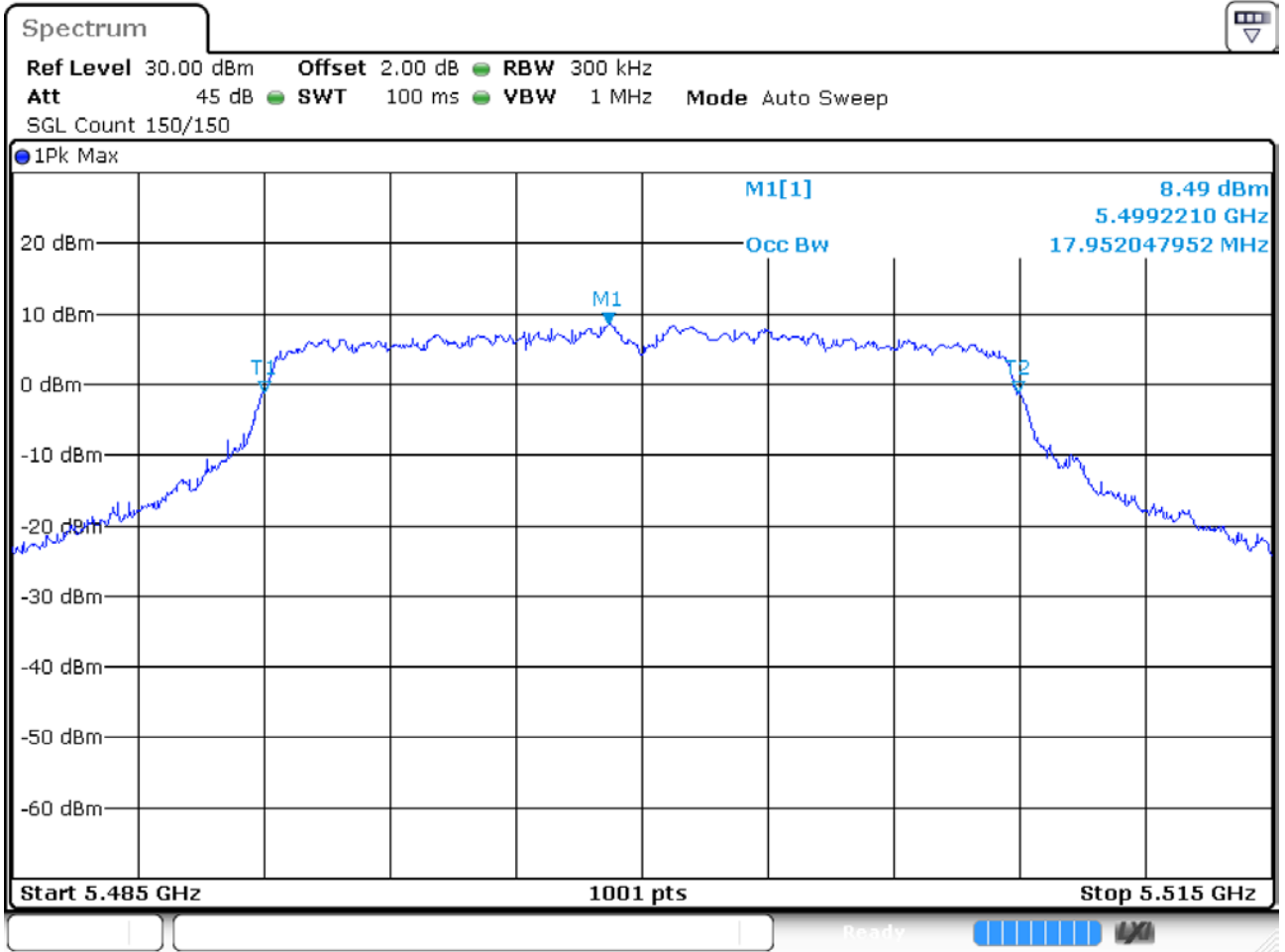
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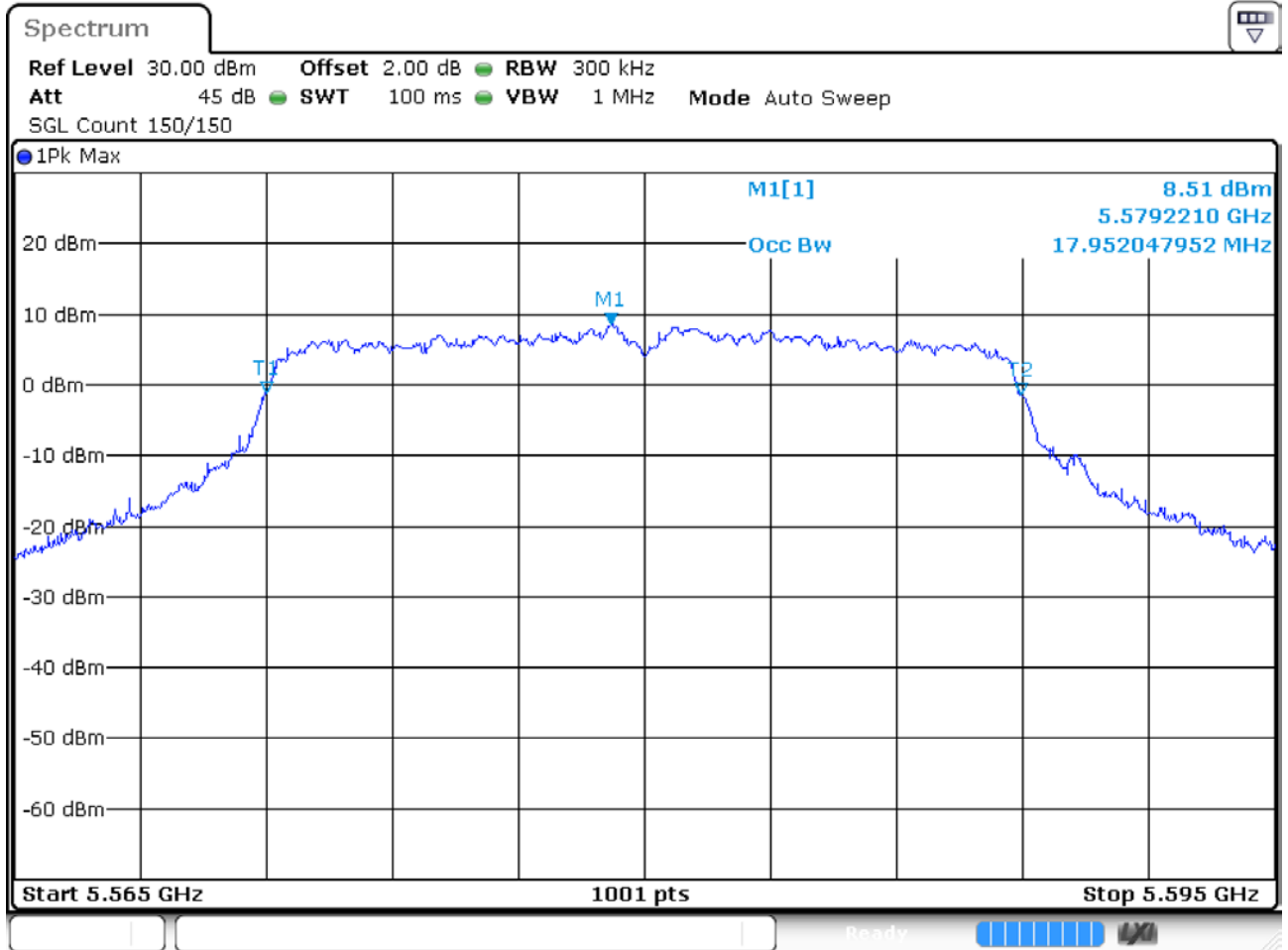
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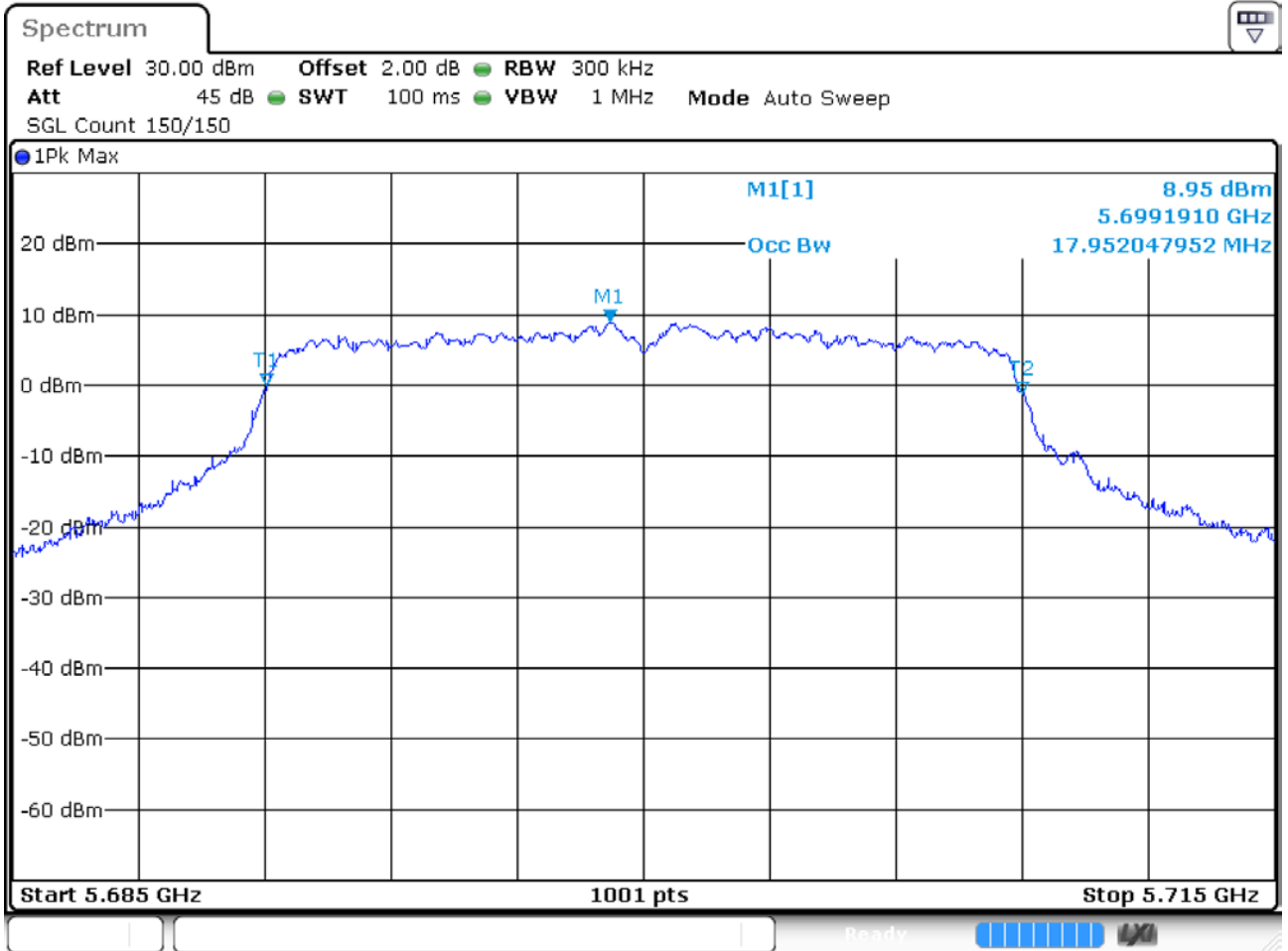
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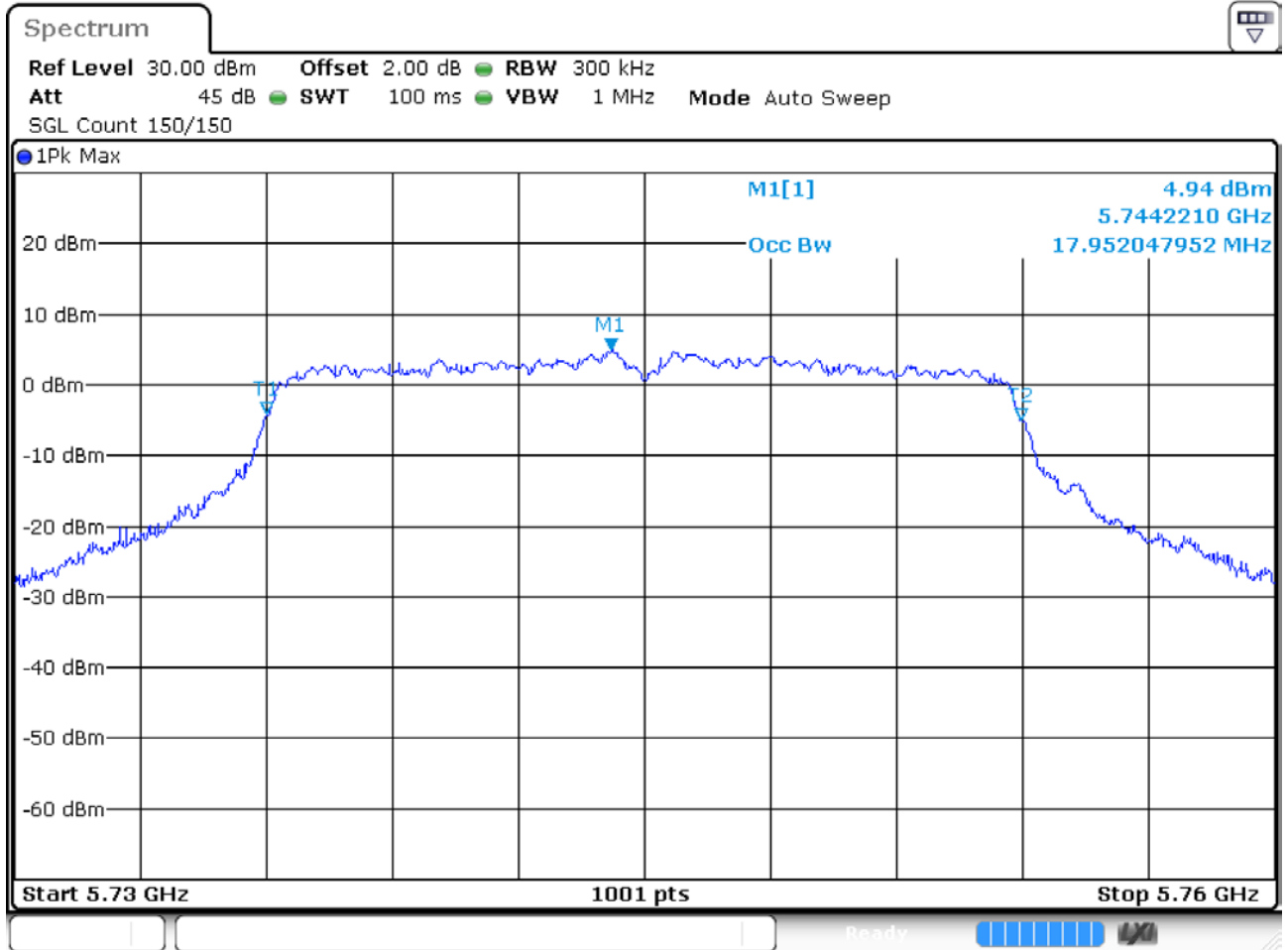
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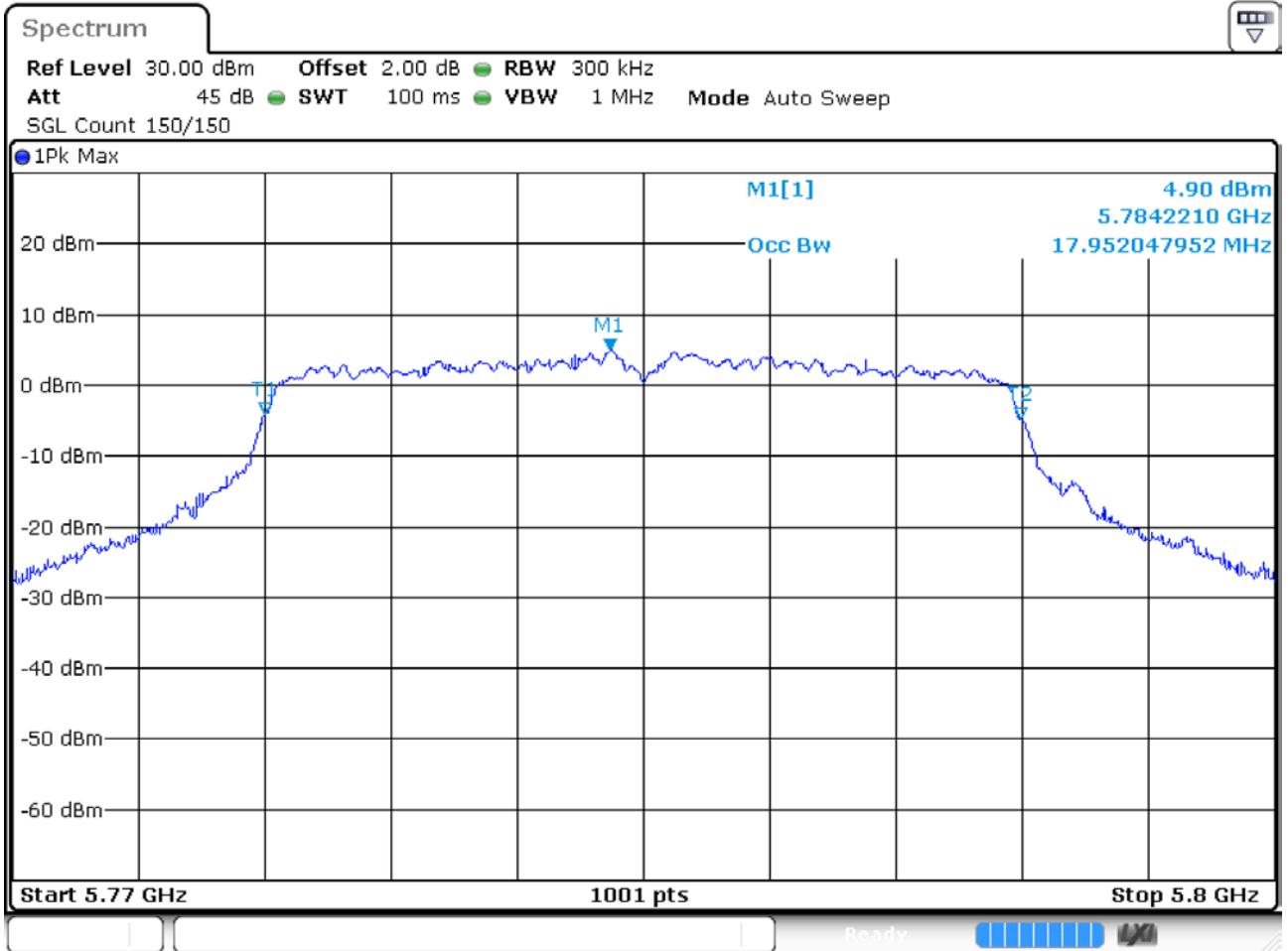
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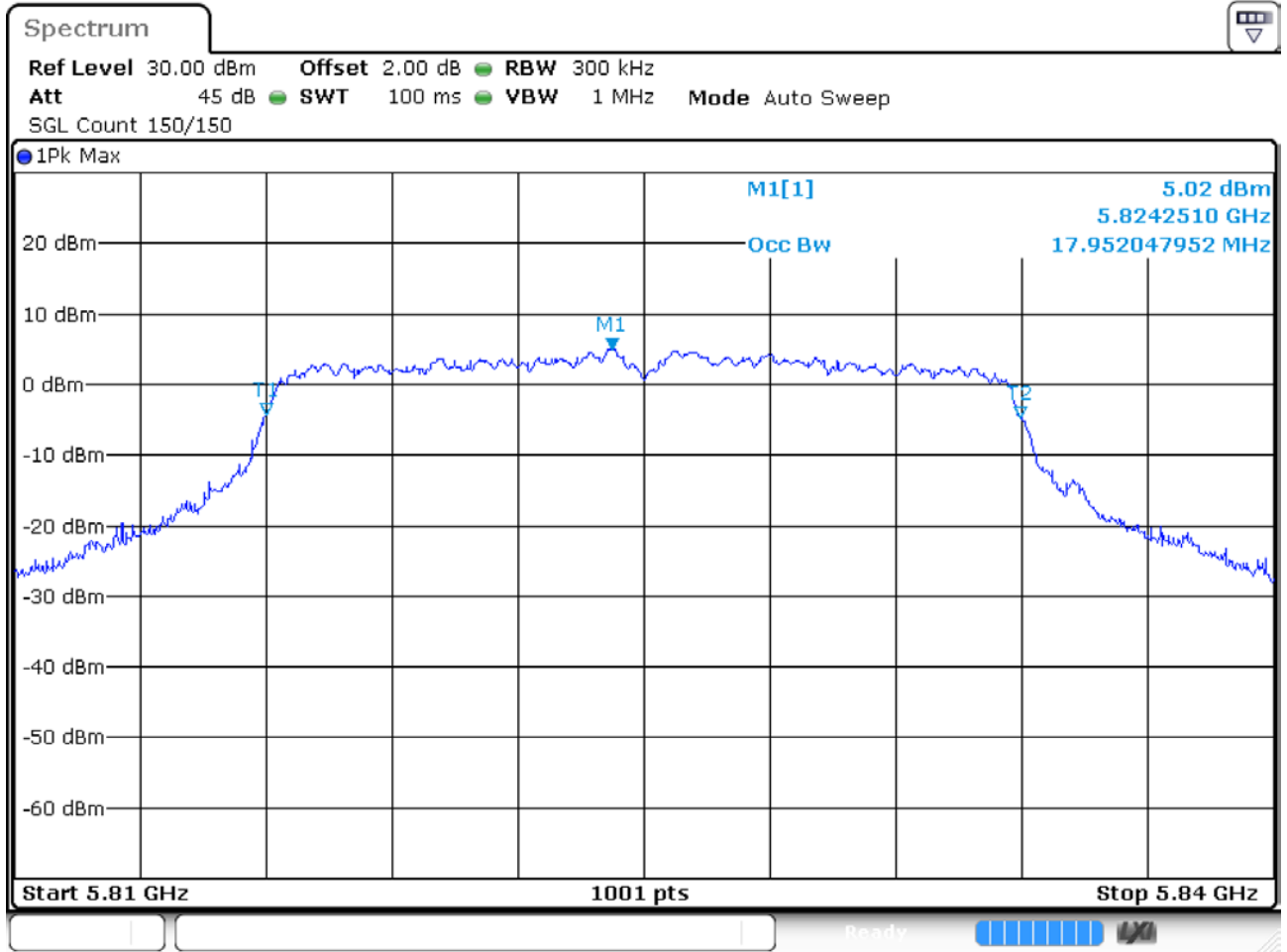
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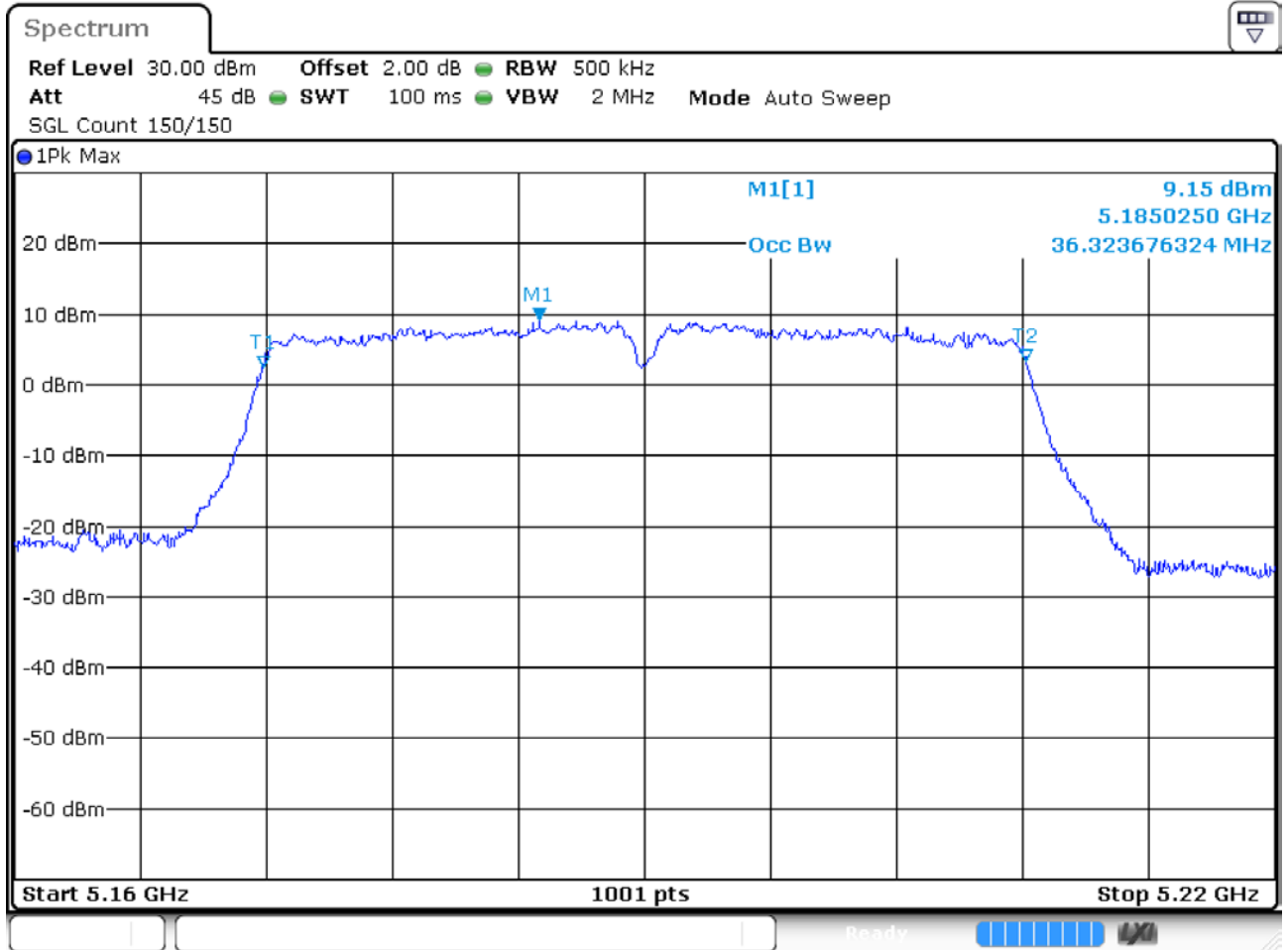
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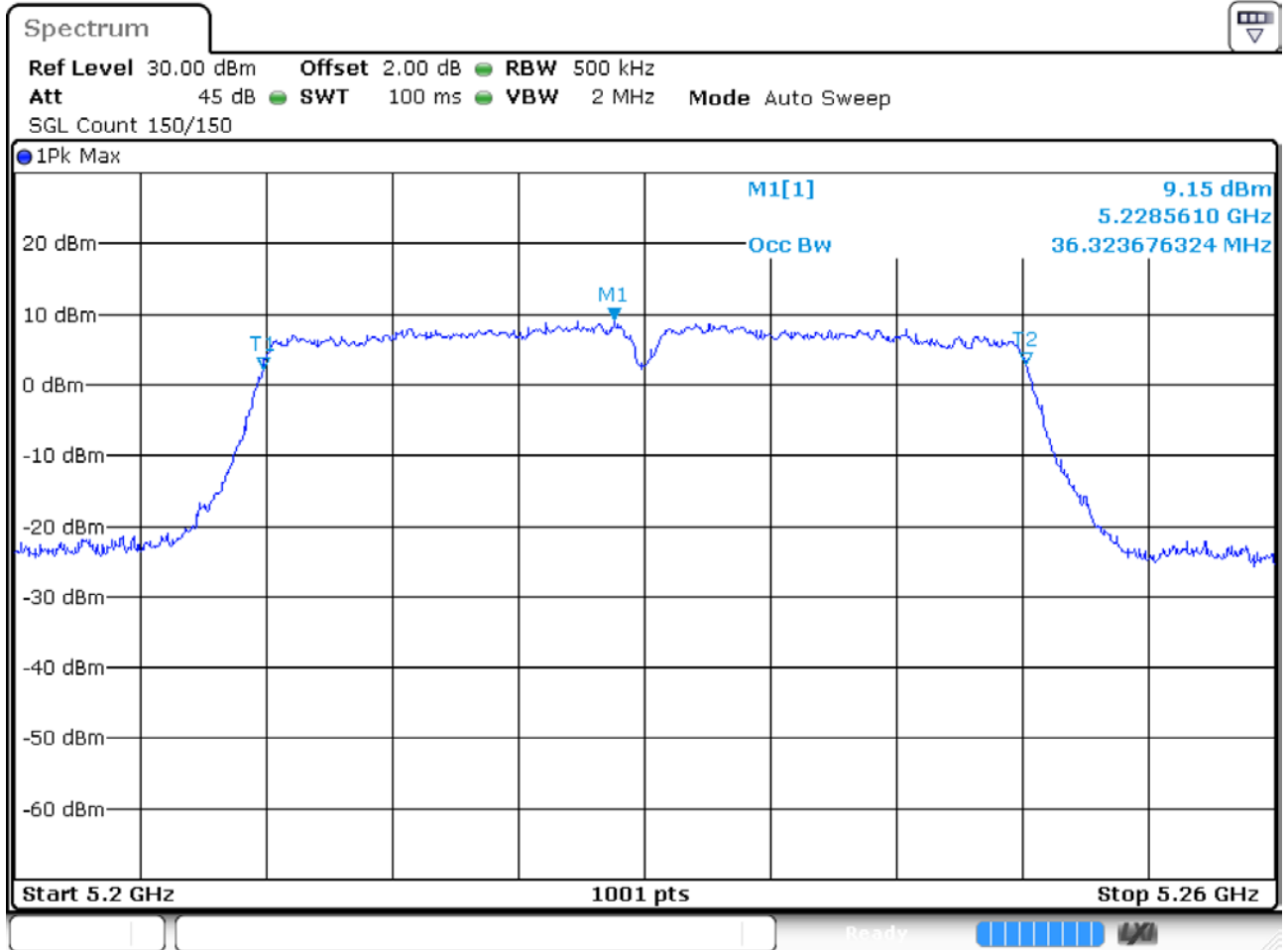
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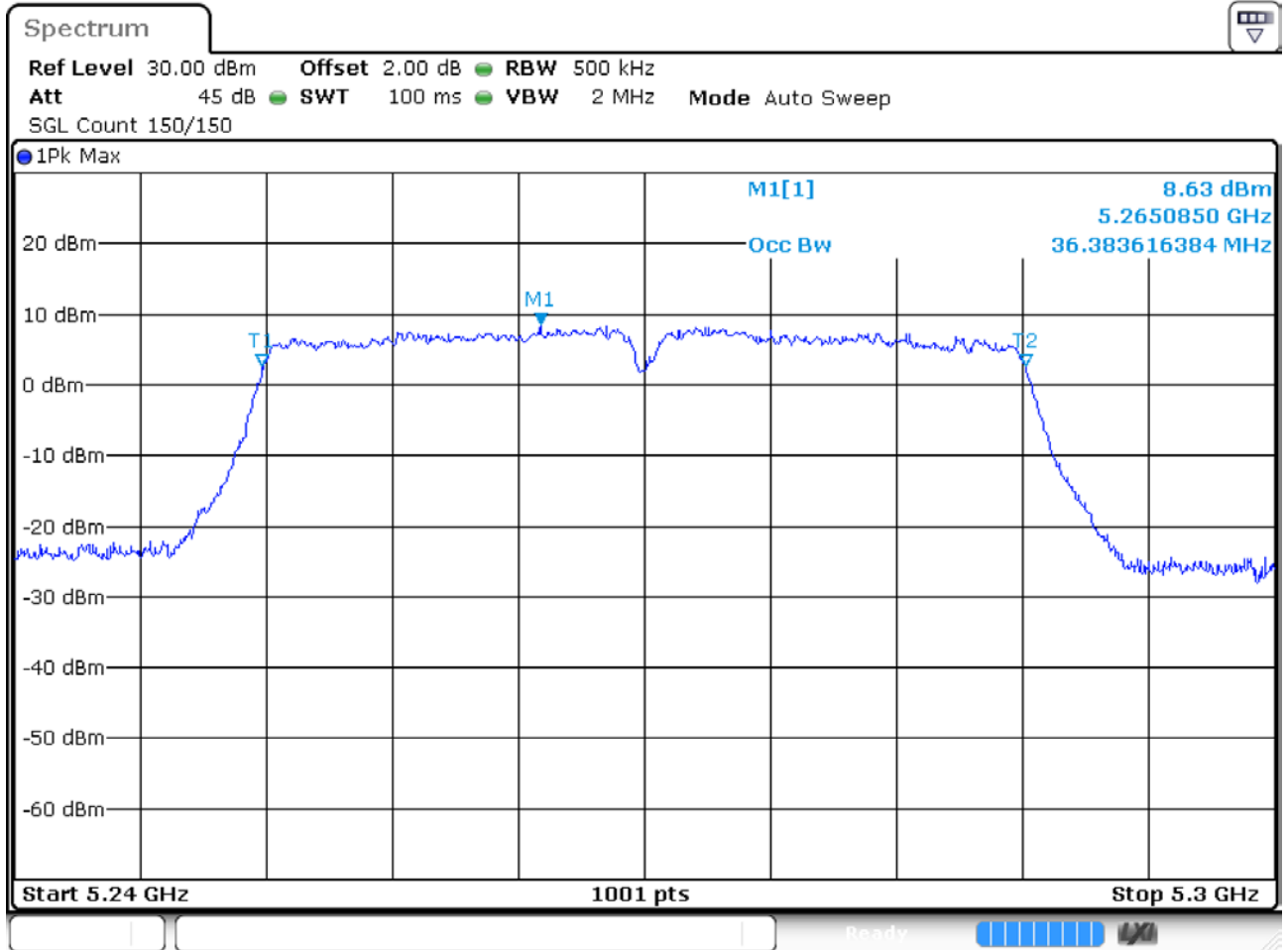
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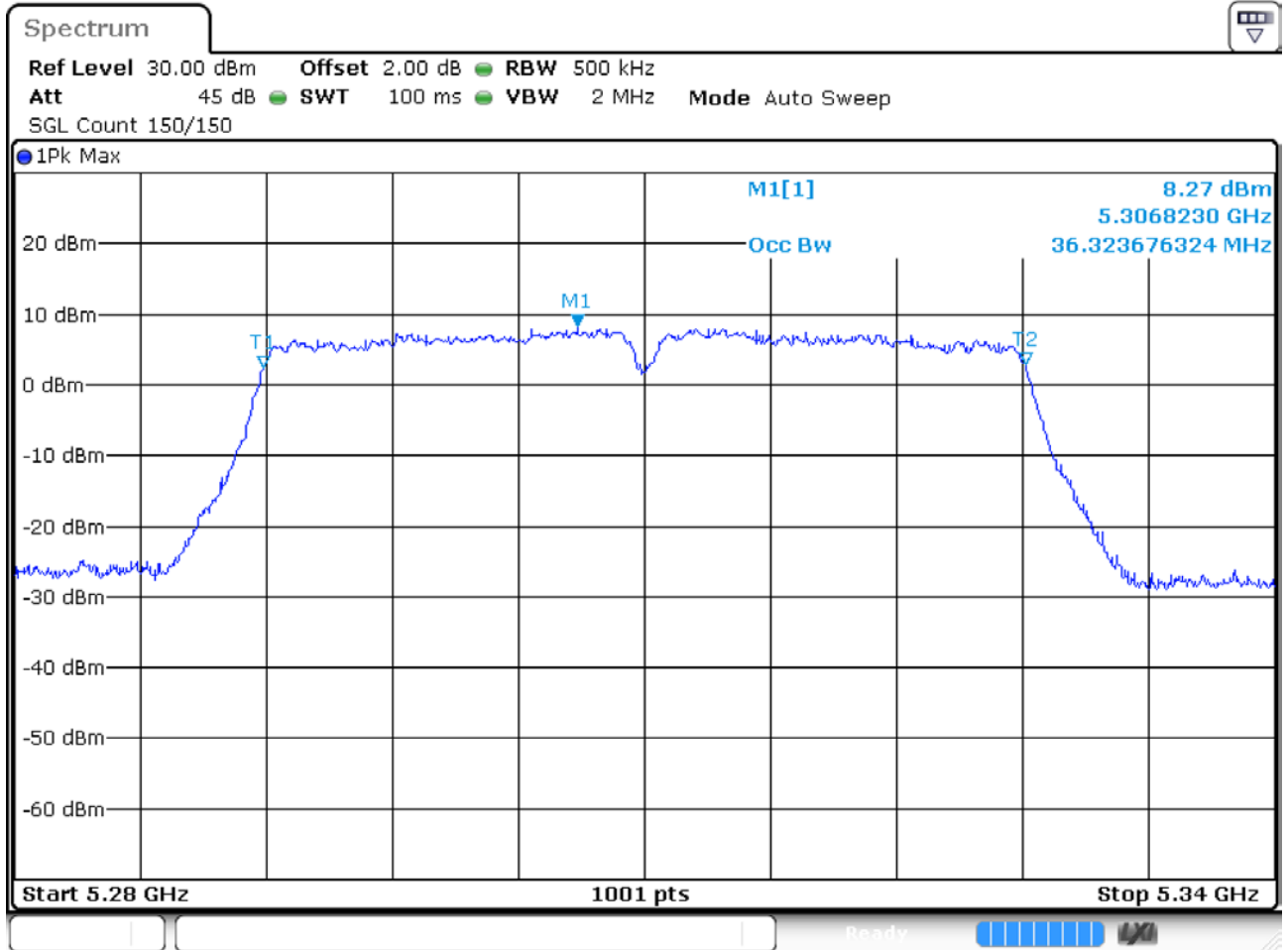
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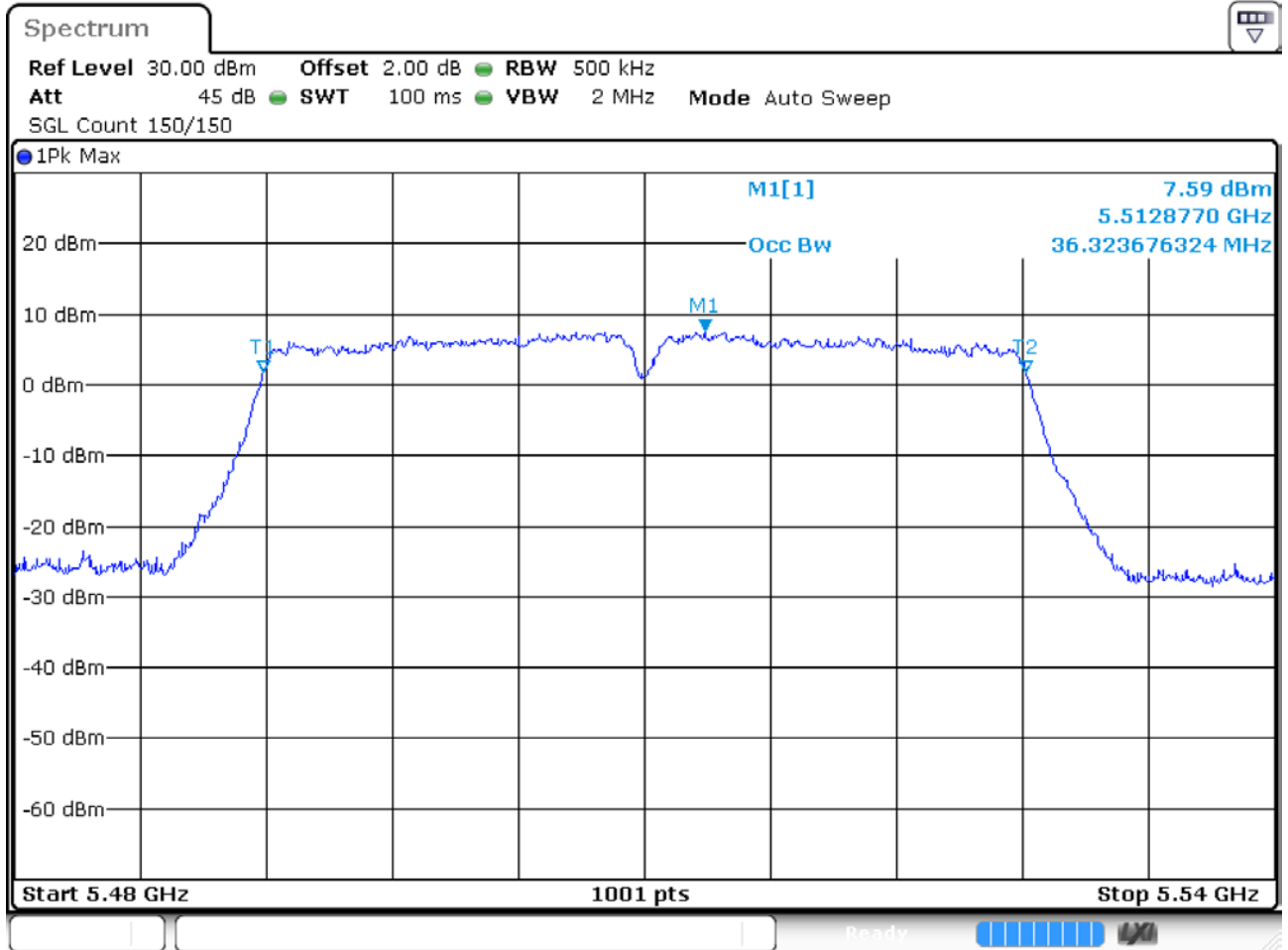
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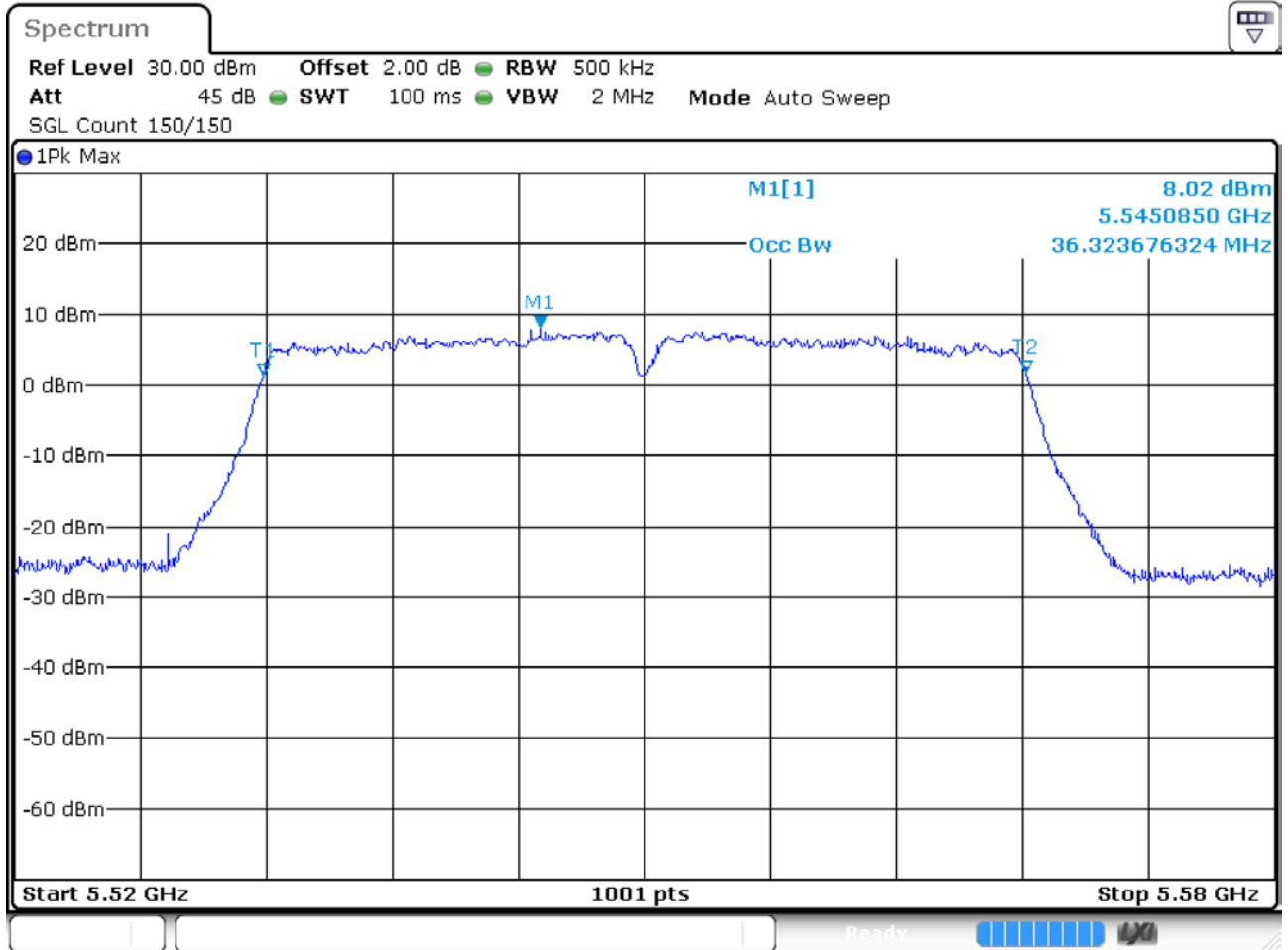
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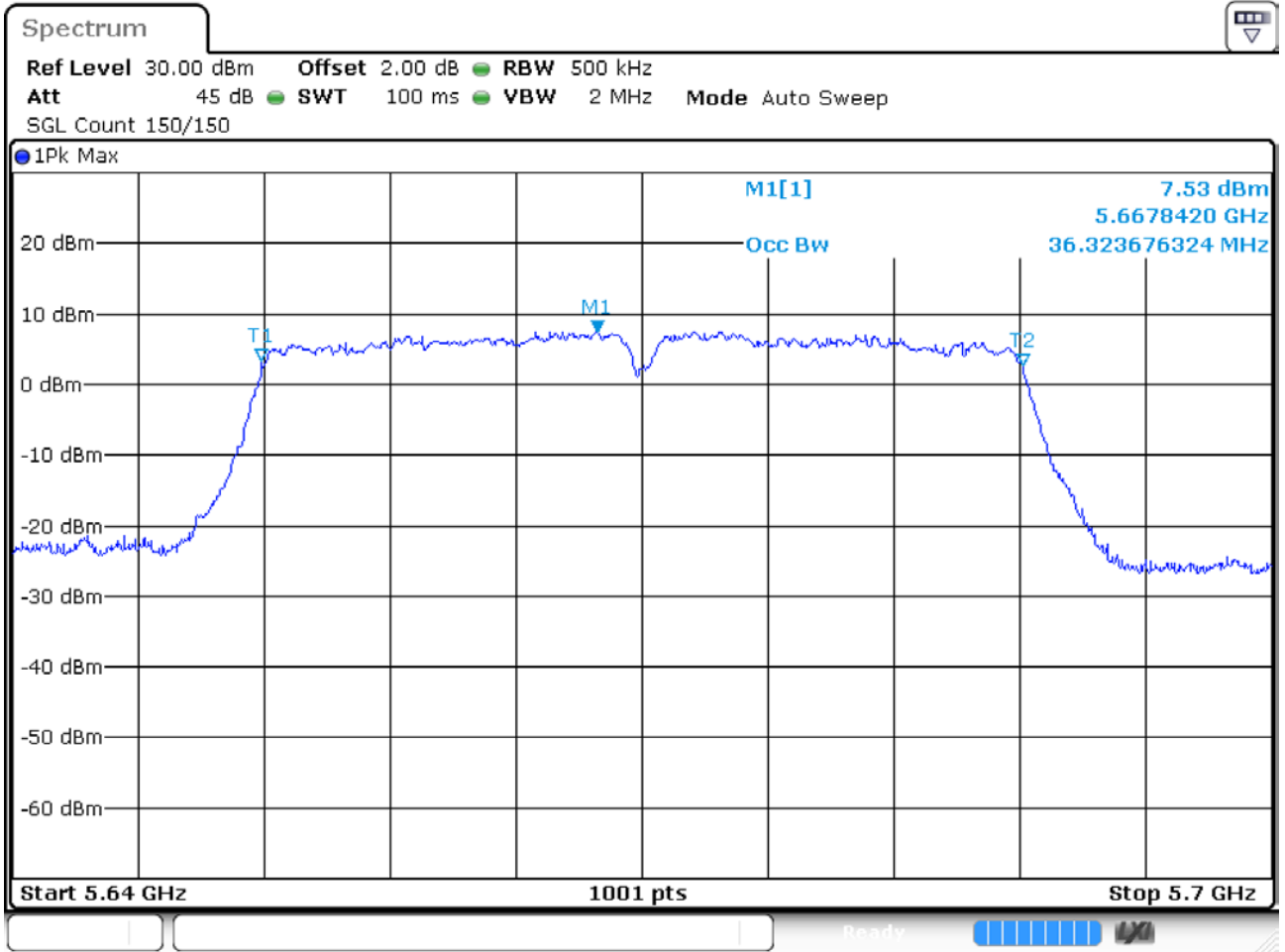
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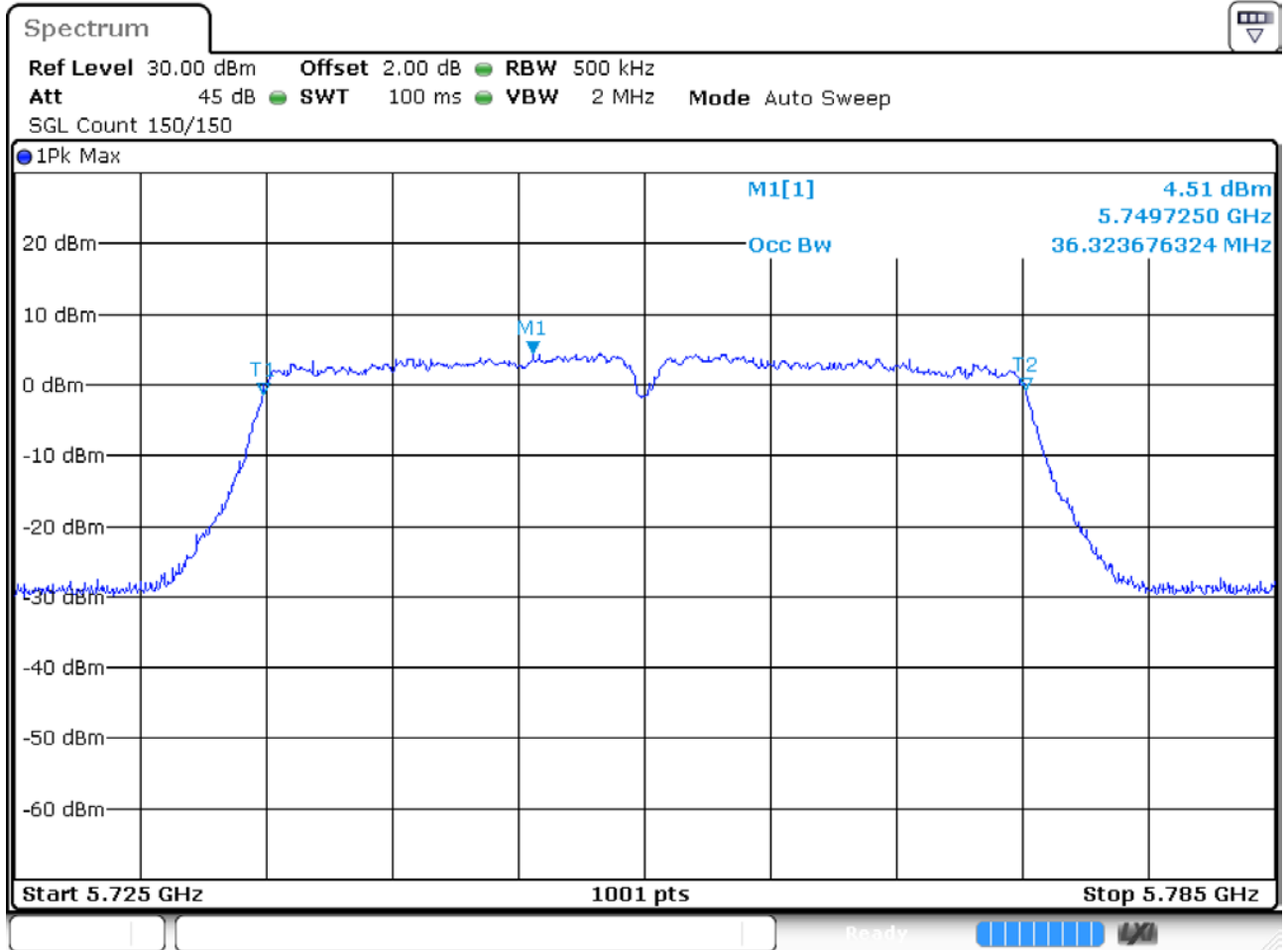


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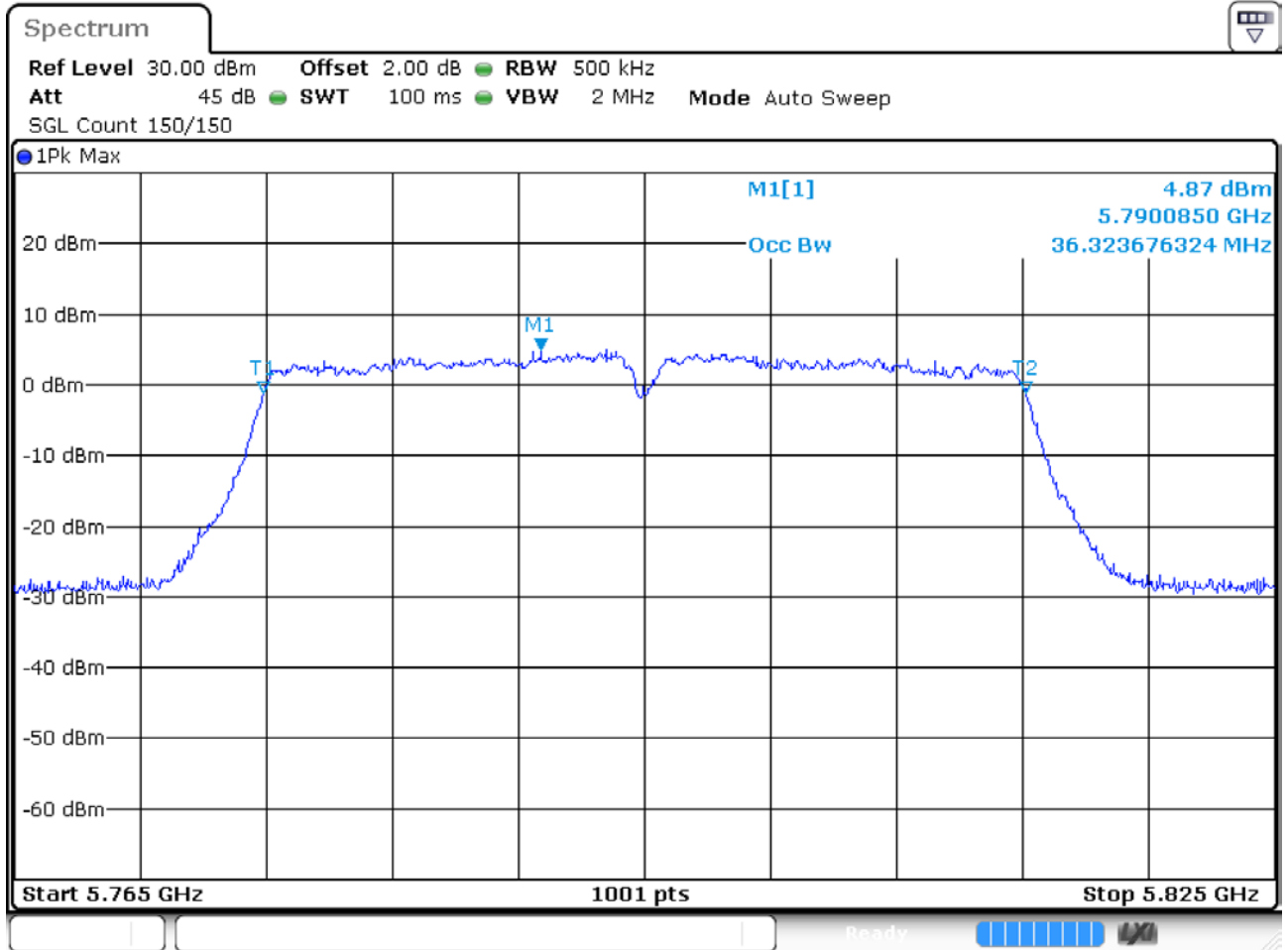
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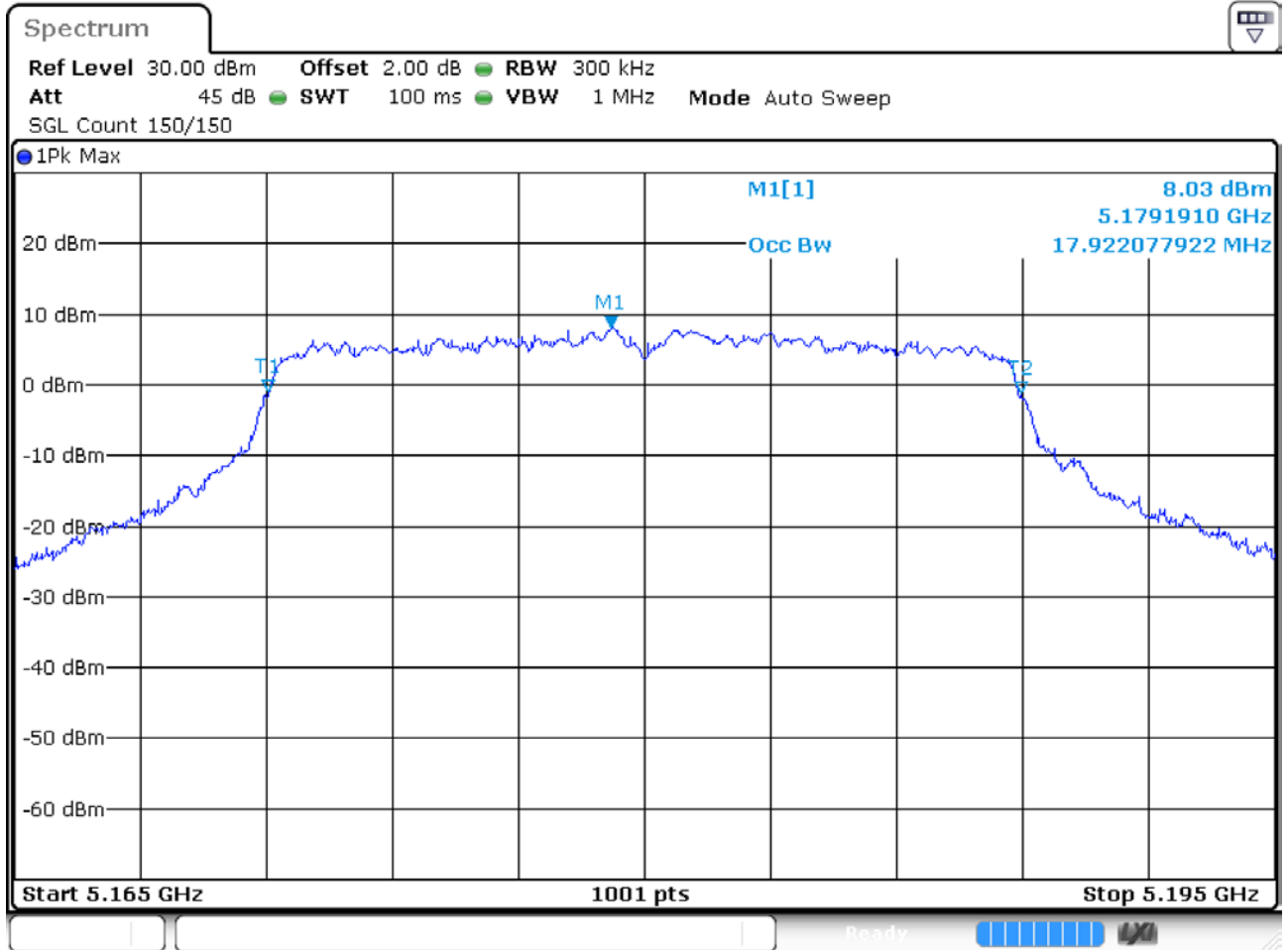
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4.7.2.34 11AC20_36 ANT 1



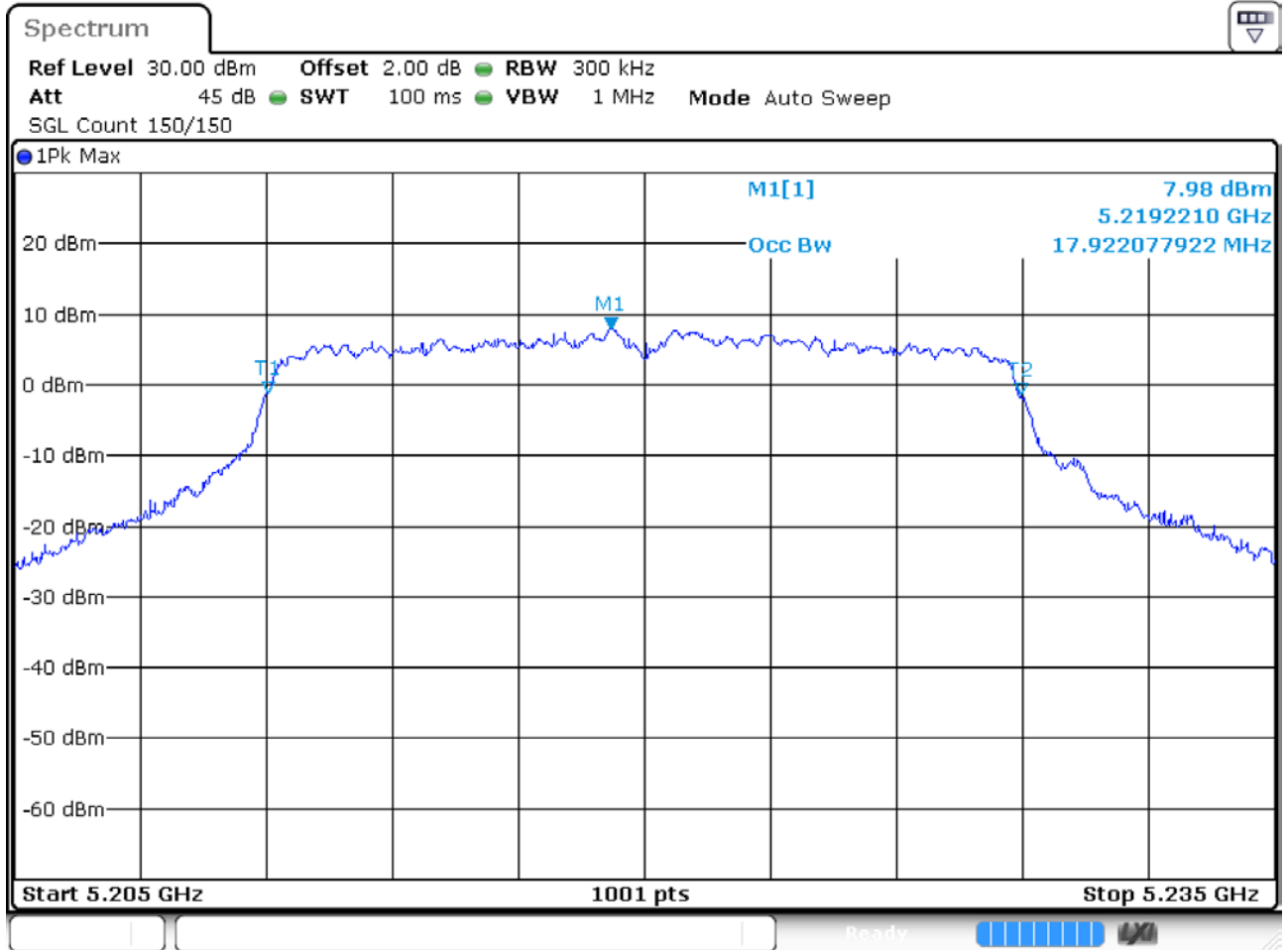
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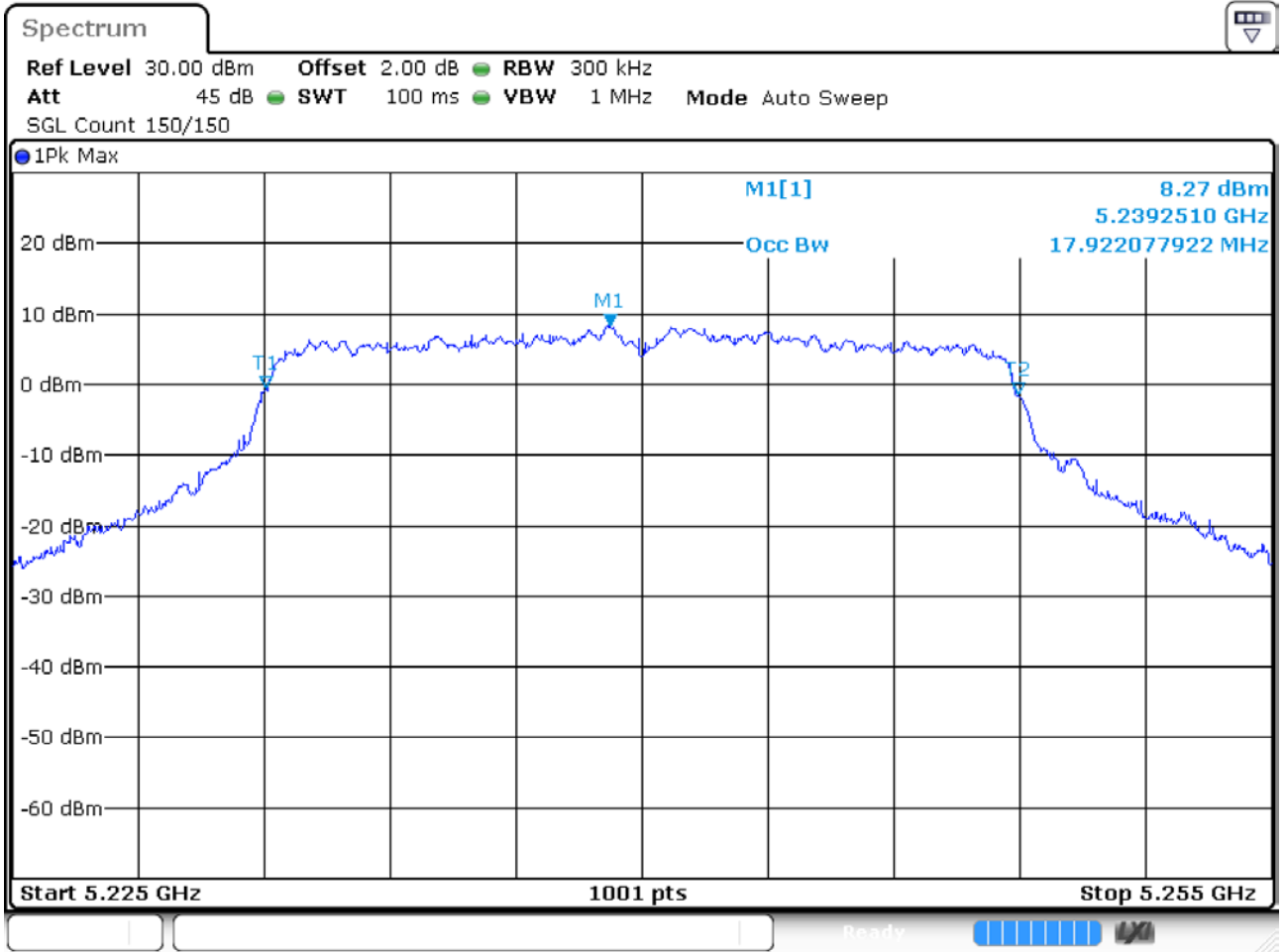


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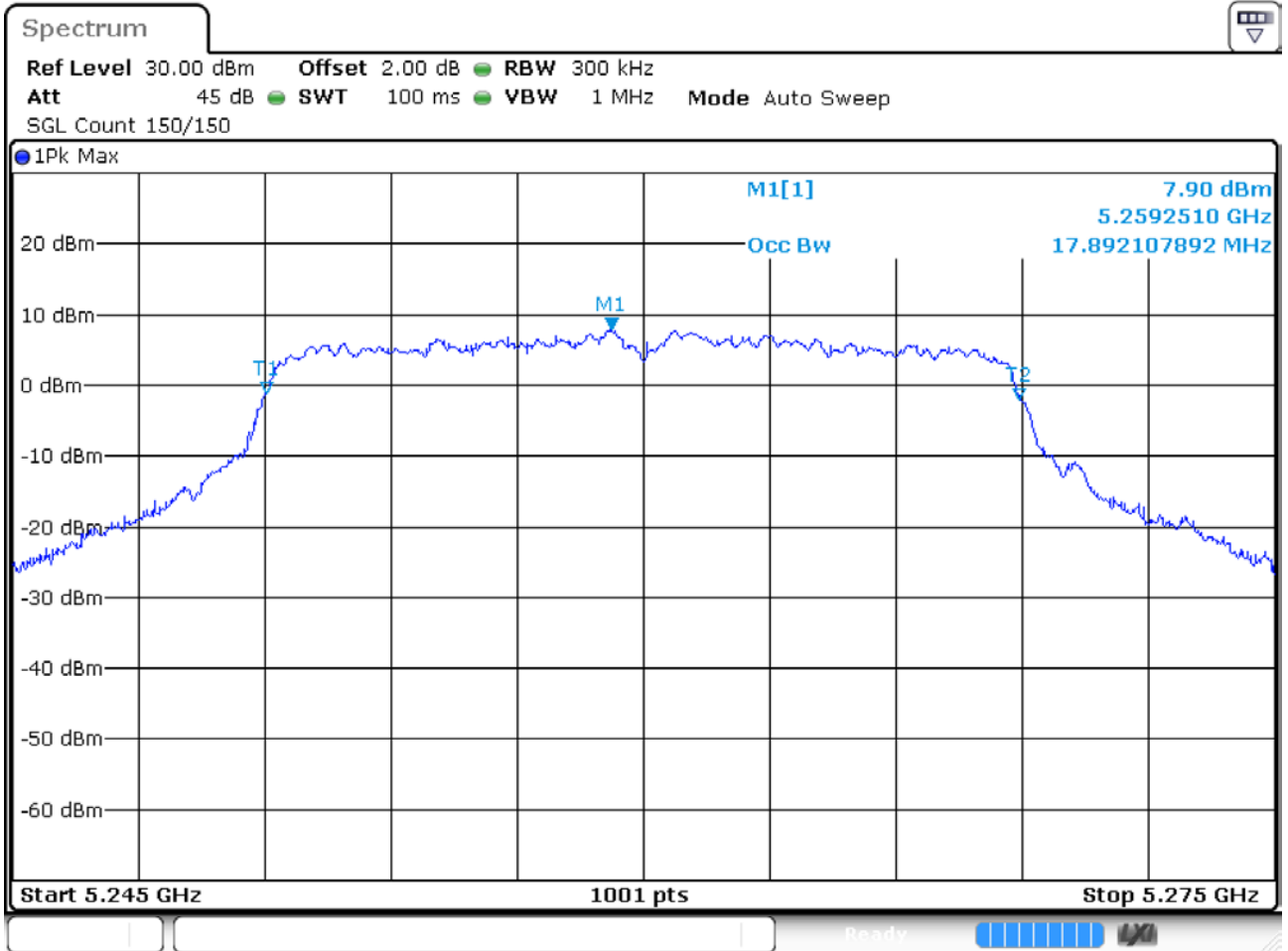
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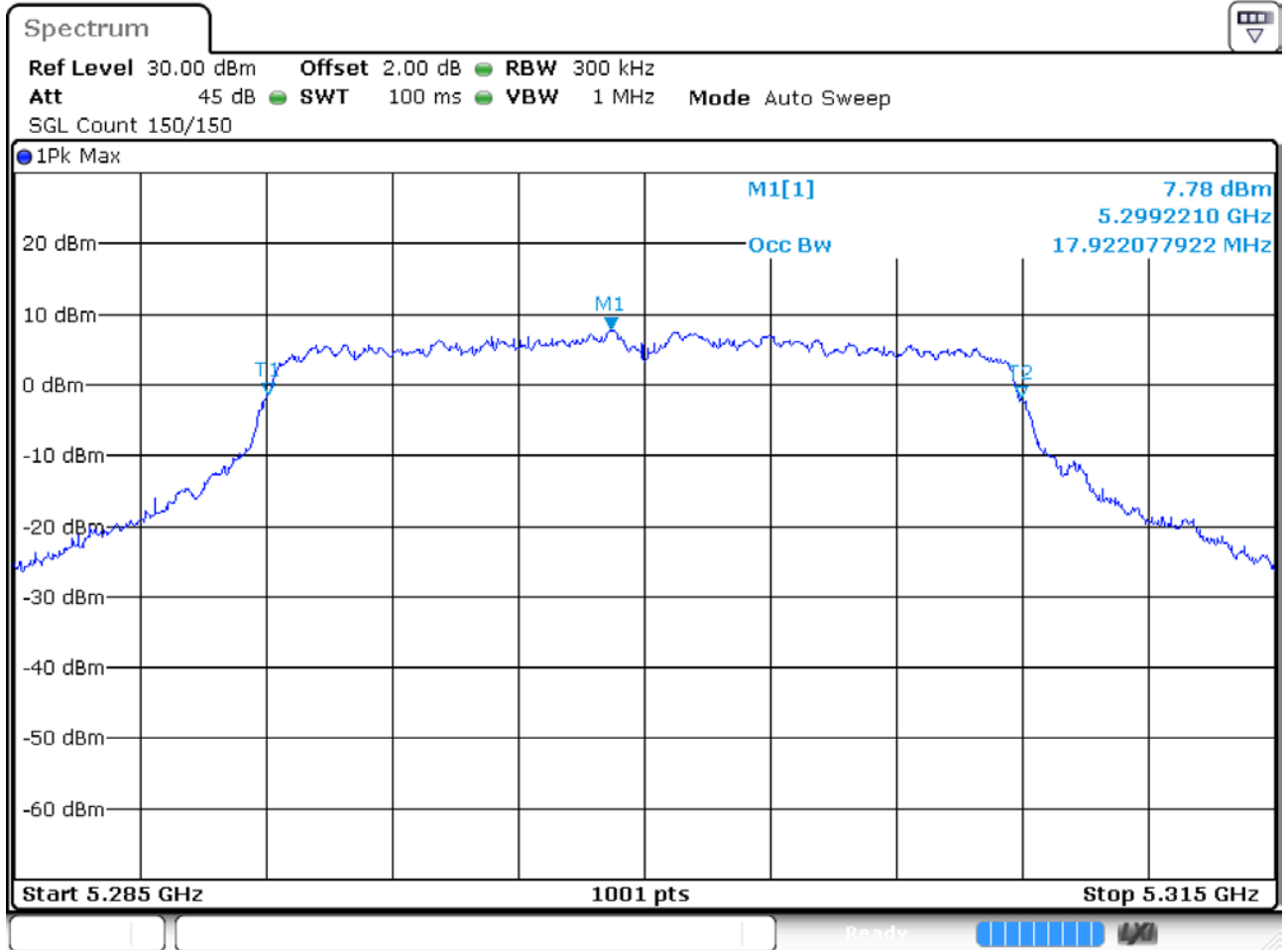
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Date: 21.AUG.2020 17:28:42



4.7.2.38 11AC20_60 ANT 1



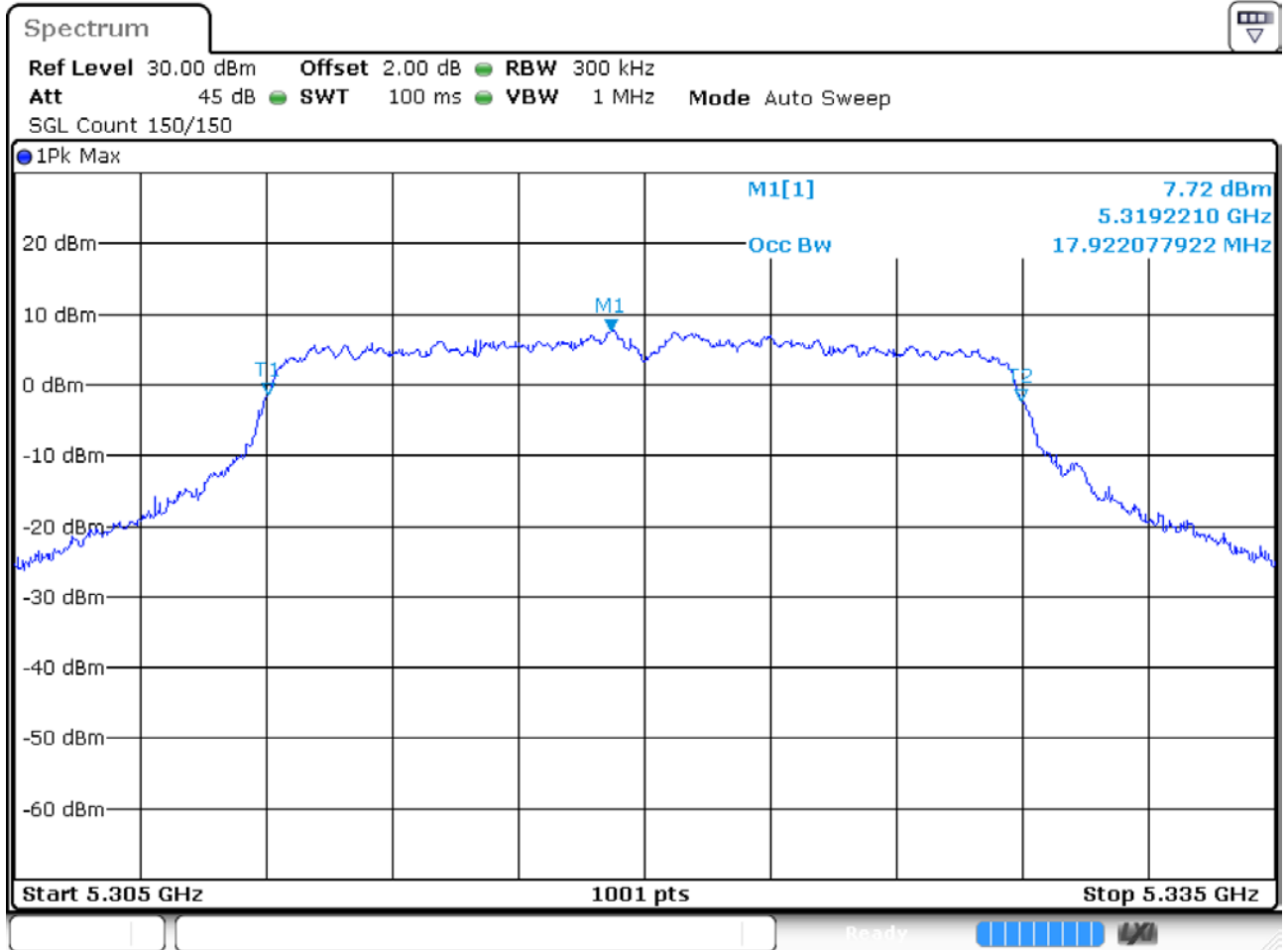
Date: 21.AUG.2020 17:30:32



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4.7.2.39 11AC20_64 ANT 1



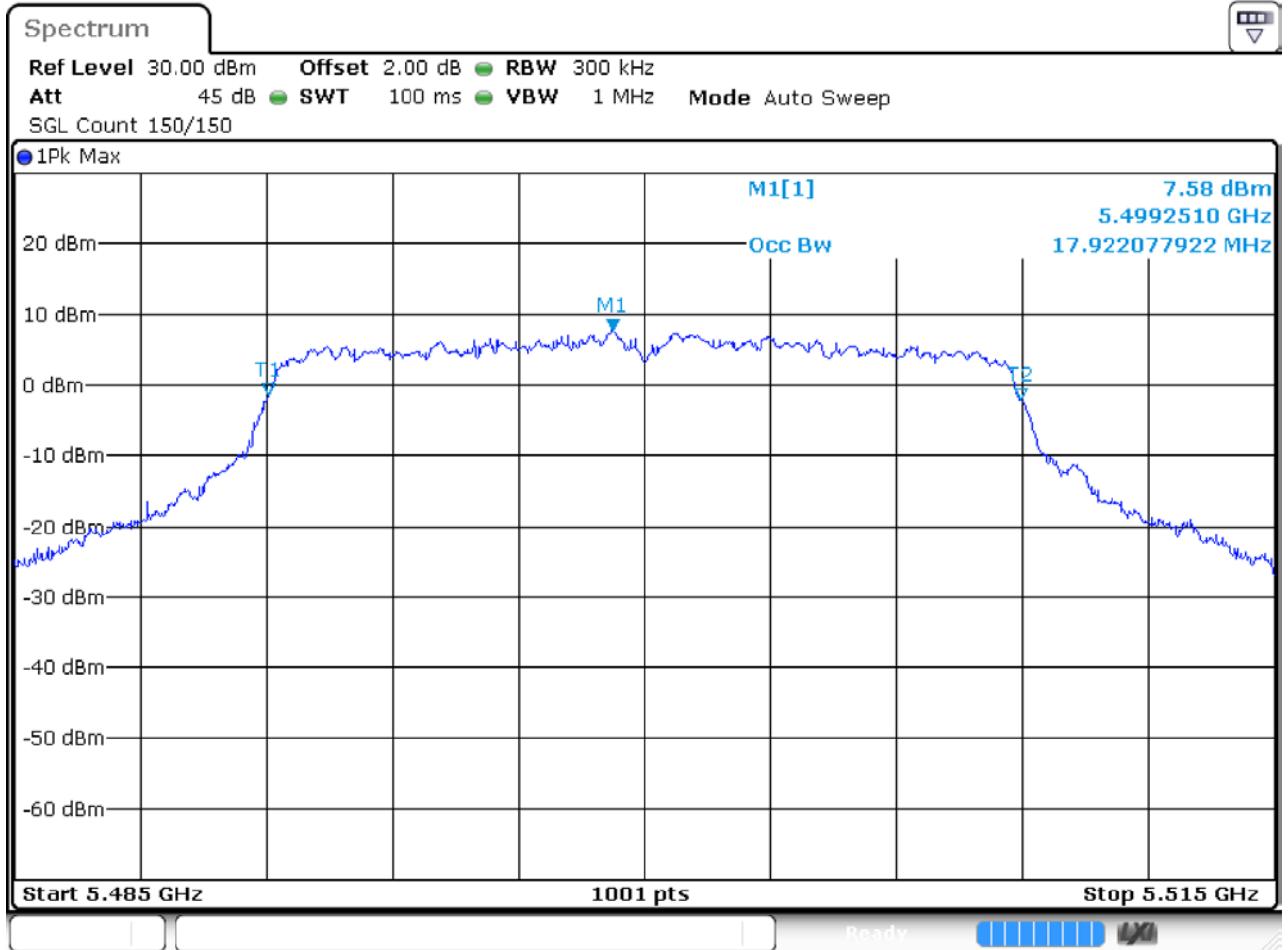
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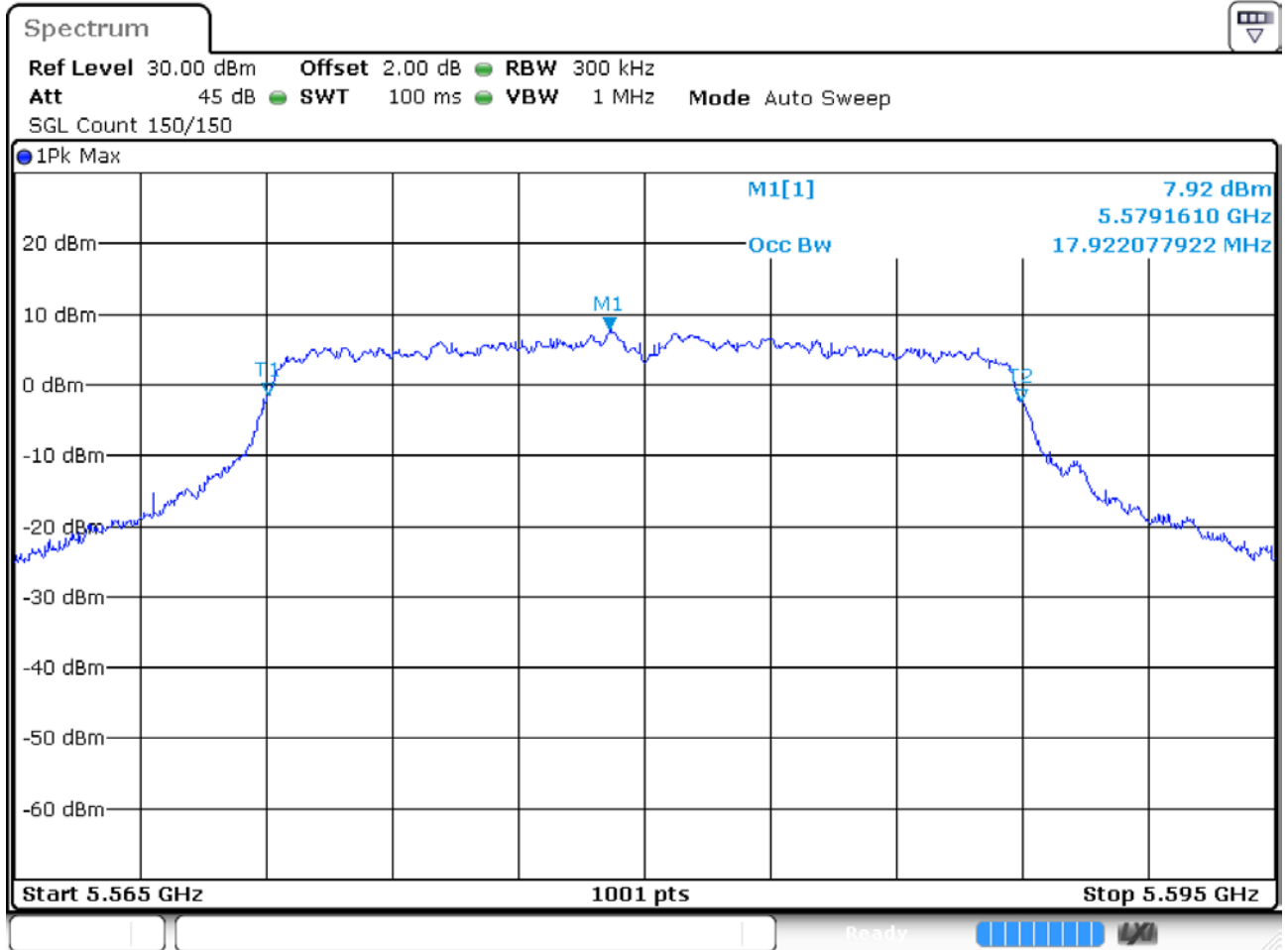
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Date: 21.AUG.2020 17:43:16



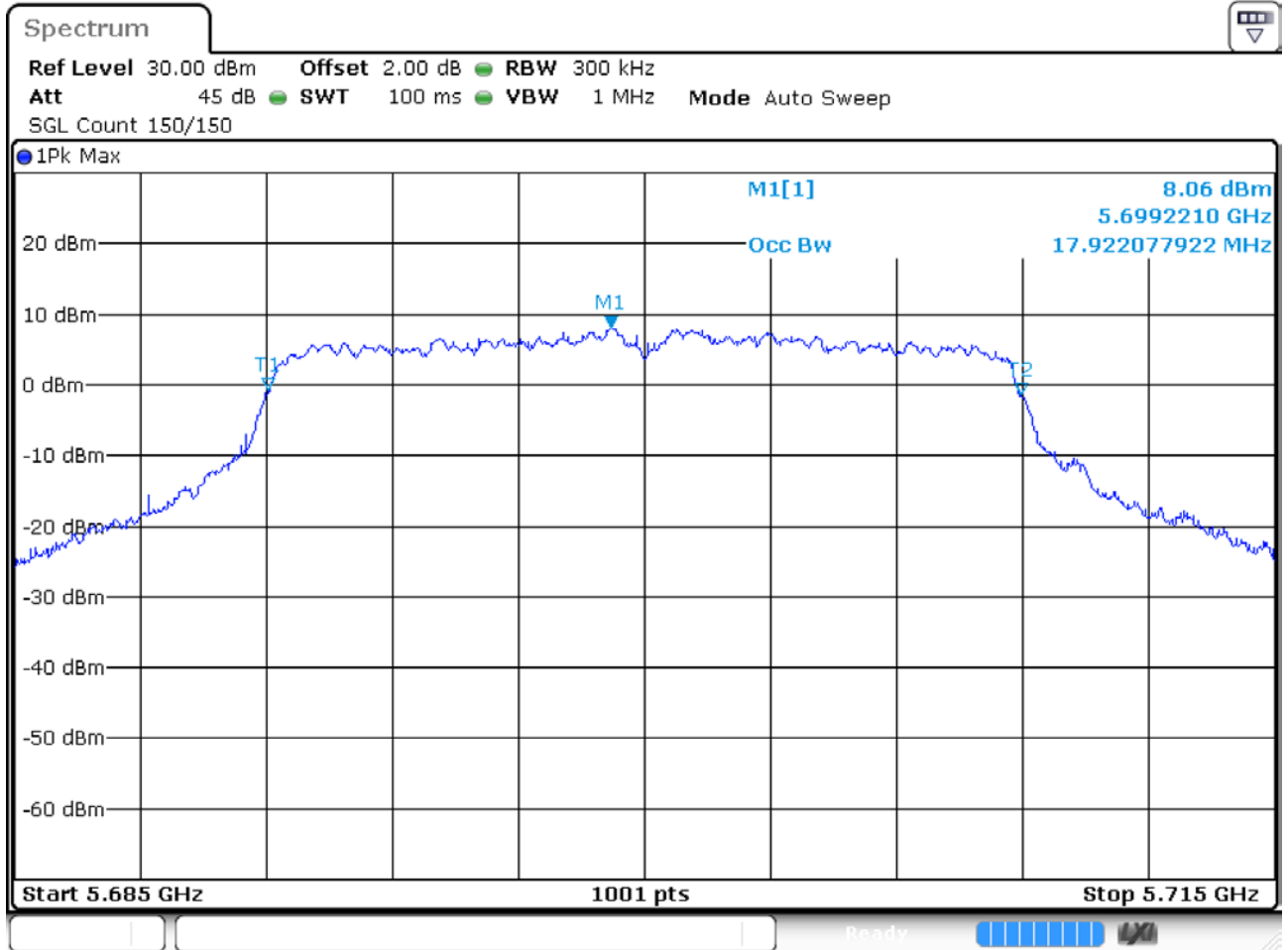
4.7.2.41 11AC20_116 ANT 1



Date: 21.AUG.2020 17:47:45



4.7.2.42 11AC20_140 ANT 1



Date: 21.AUG.2020 17:49:51

