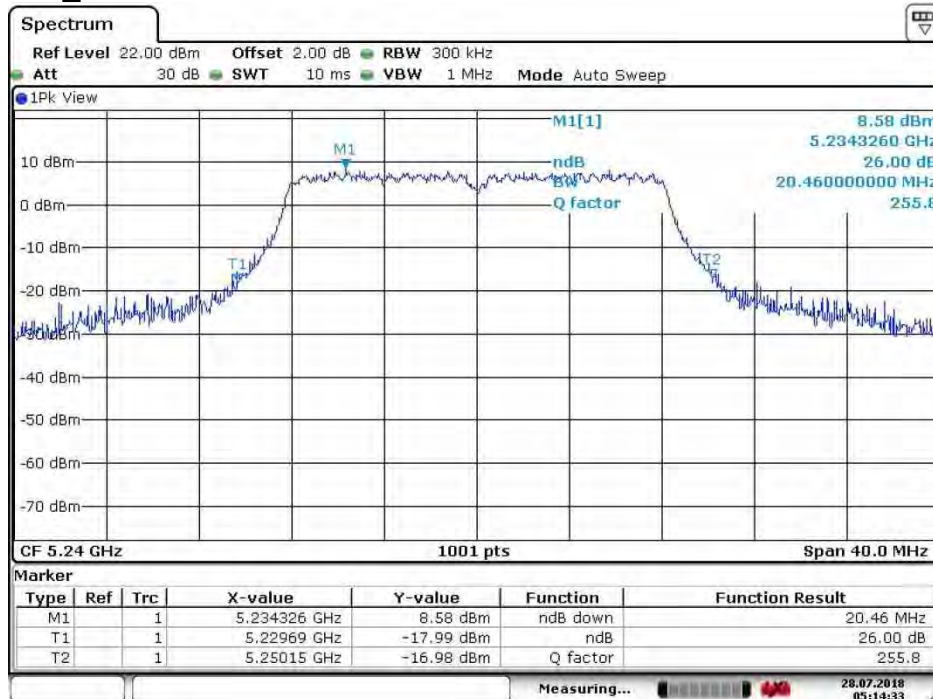
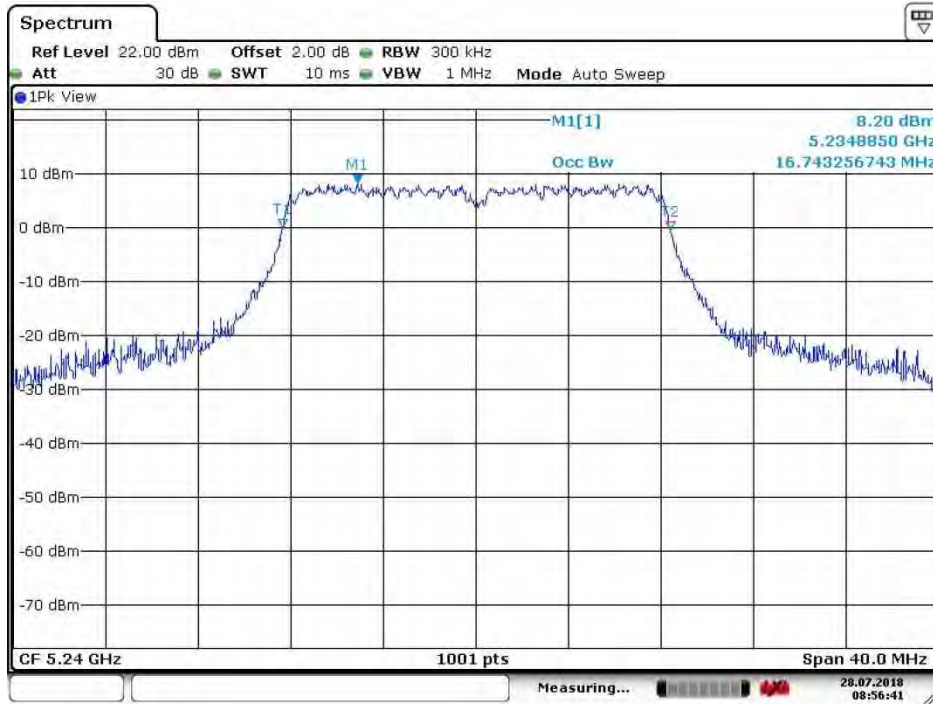


Date: 28.JUL.2018 08:57:00

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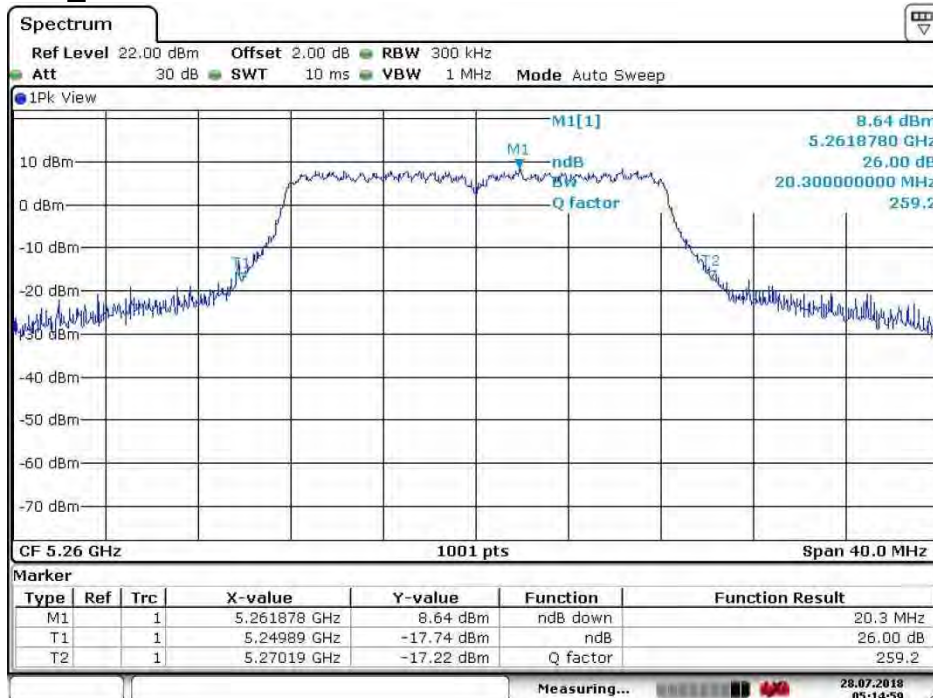


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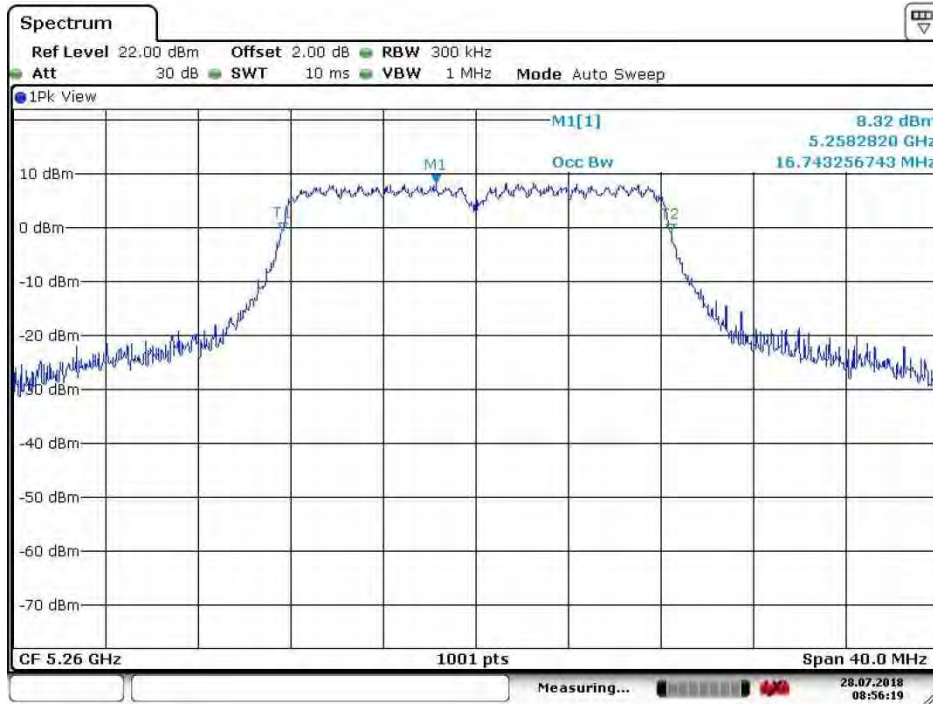


Date: 28. JUL. 2018 08:56:41

5.4.2.4.3 11A20_52 ANT 2

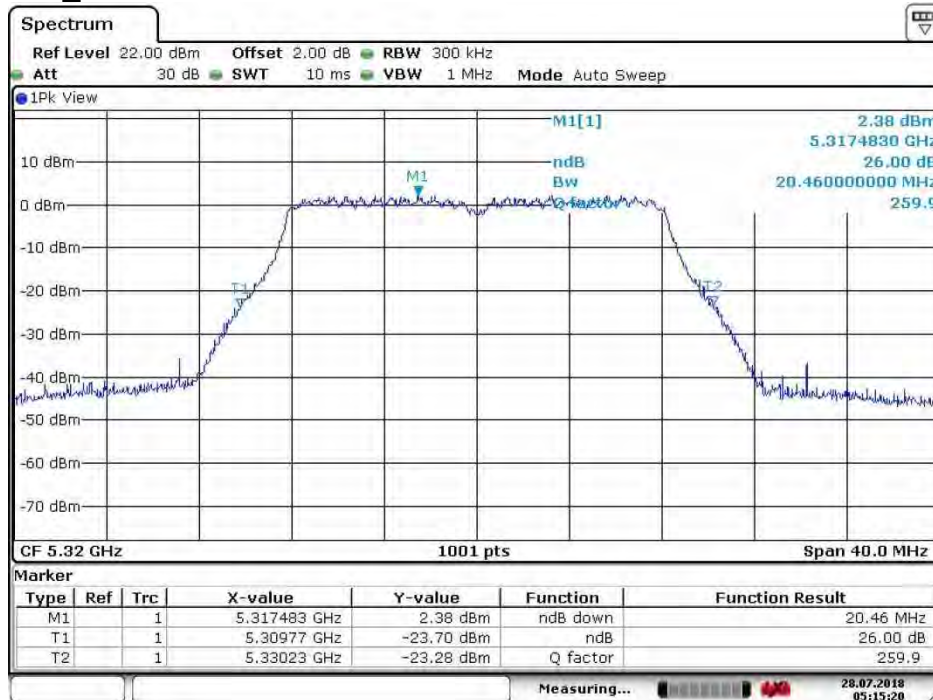


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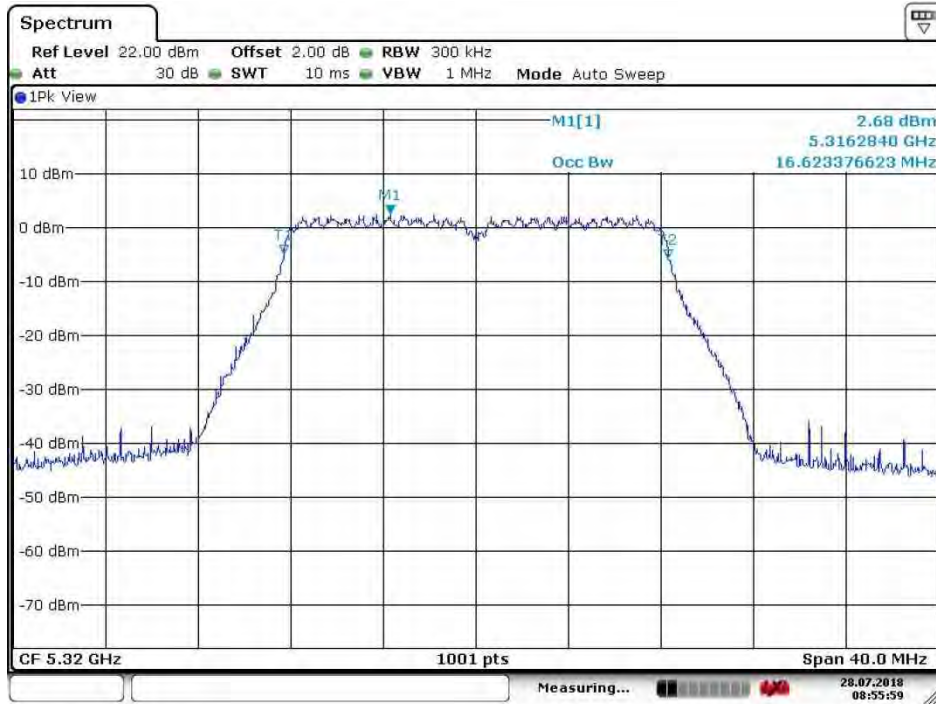


Date: 28.JUL.2018 08:56:20

5.4.2.4.4 11A20_64 ANT 2

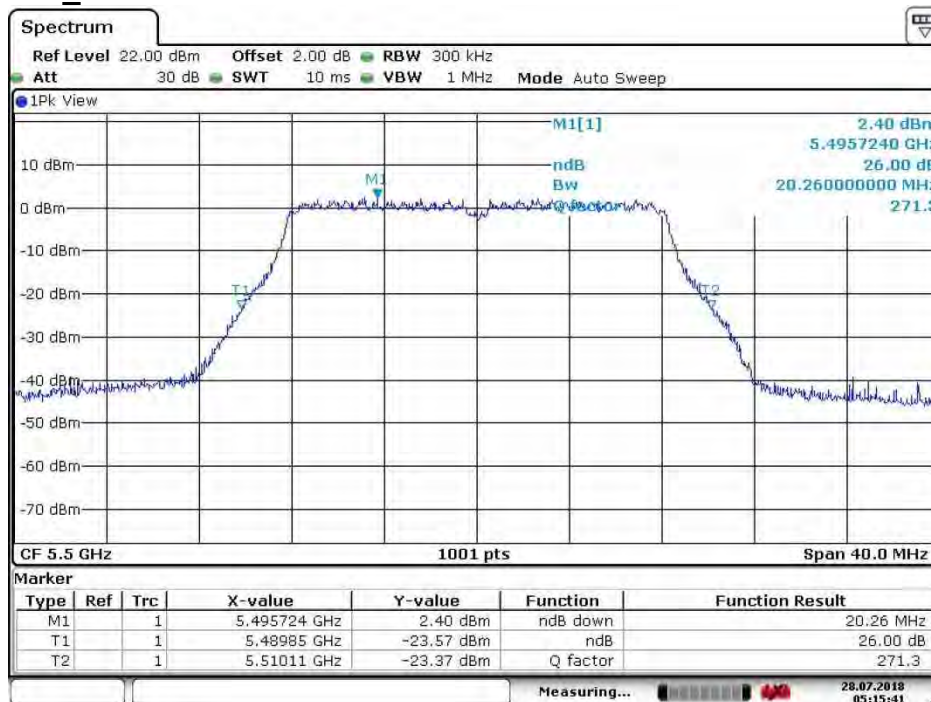


Date: 28.JUL.2018 05:15:20

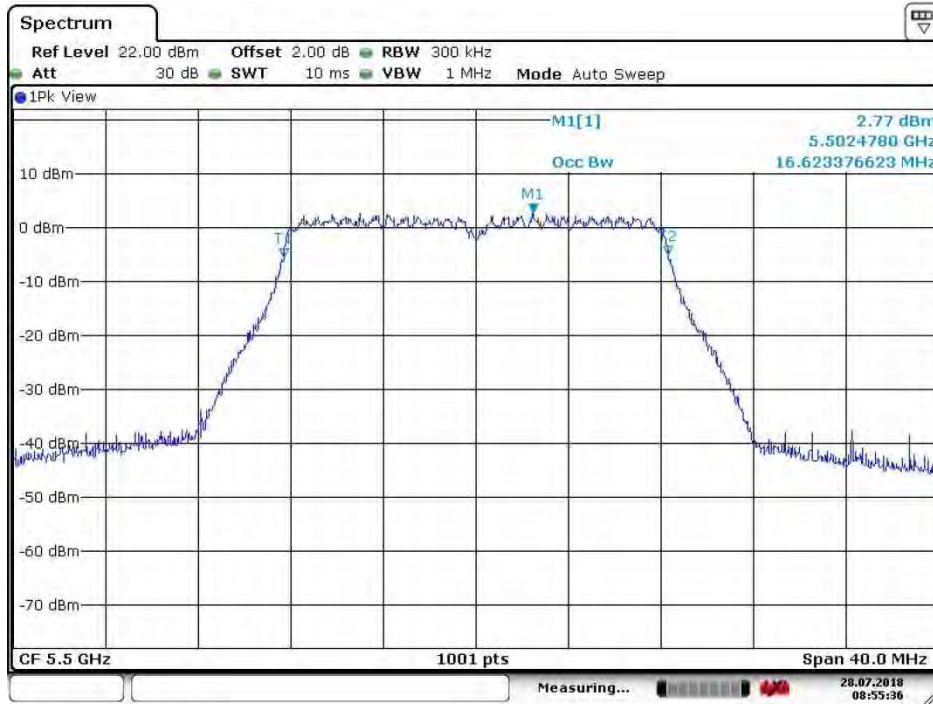


Date: 28.JUL.2018 08:55:59

5.4.2.4.5 11A20_100 ANT 2

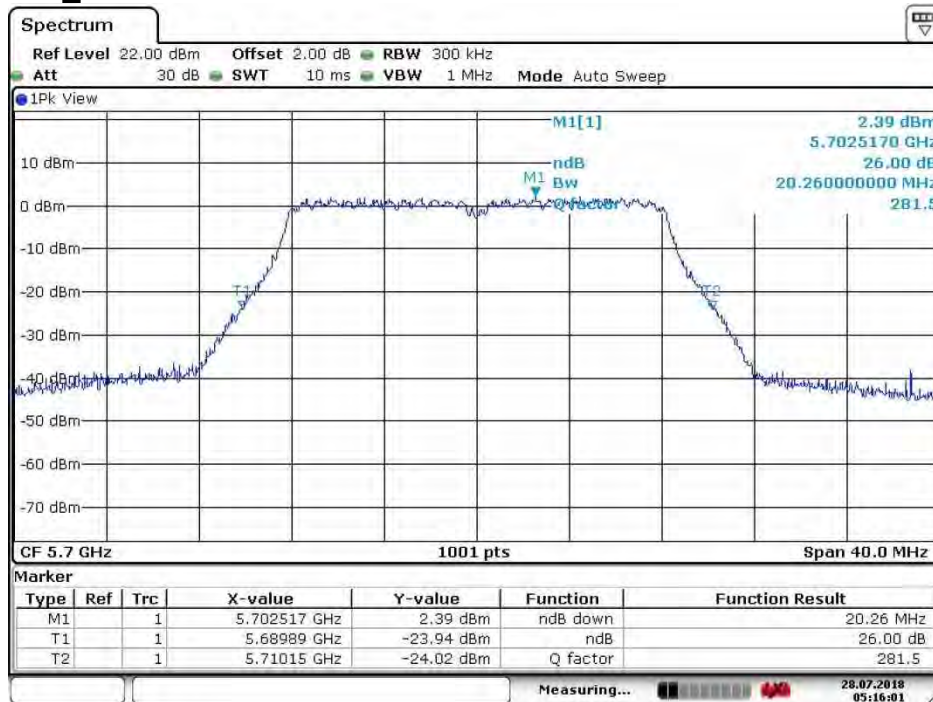


Date: 28.JUL.2018 05:15:42

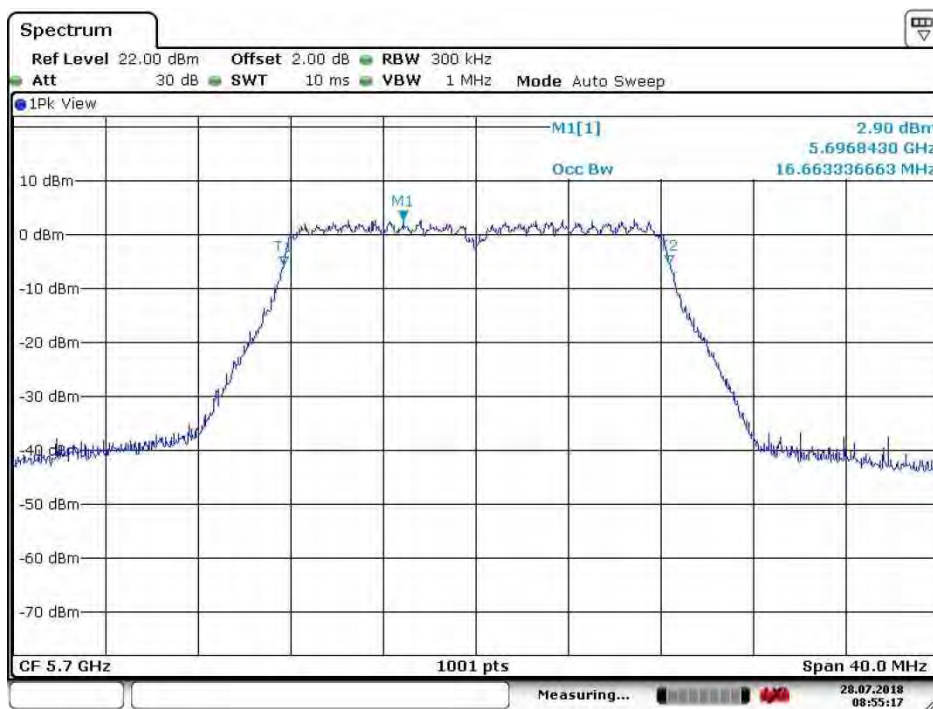


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5.4.2.4.6 11A20_140 ANT 2

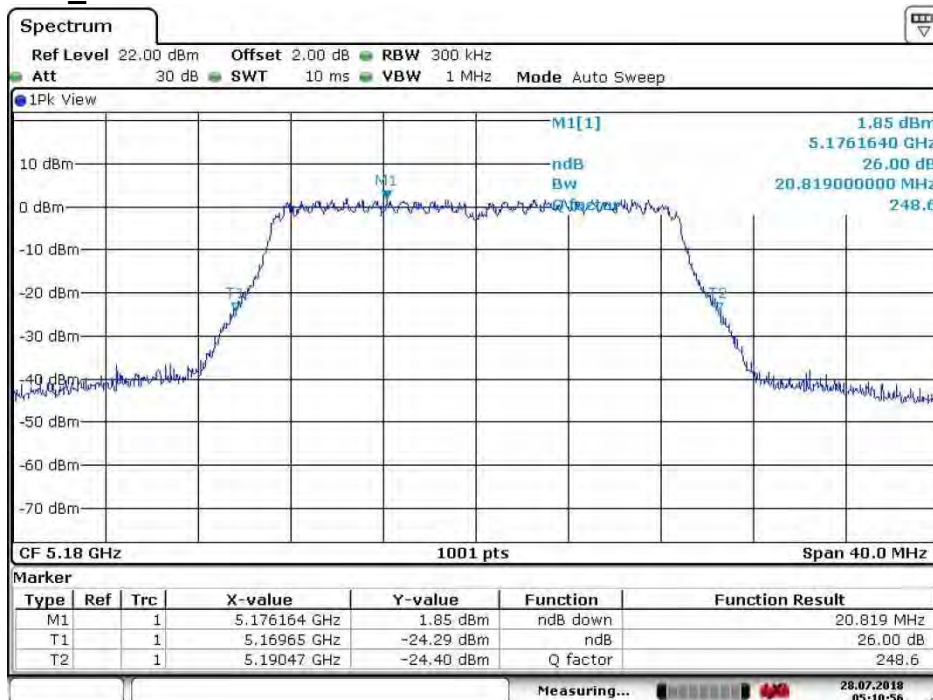


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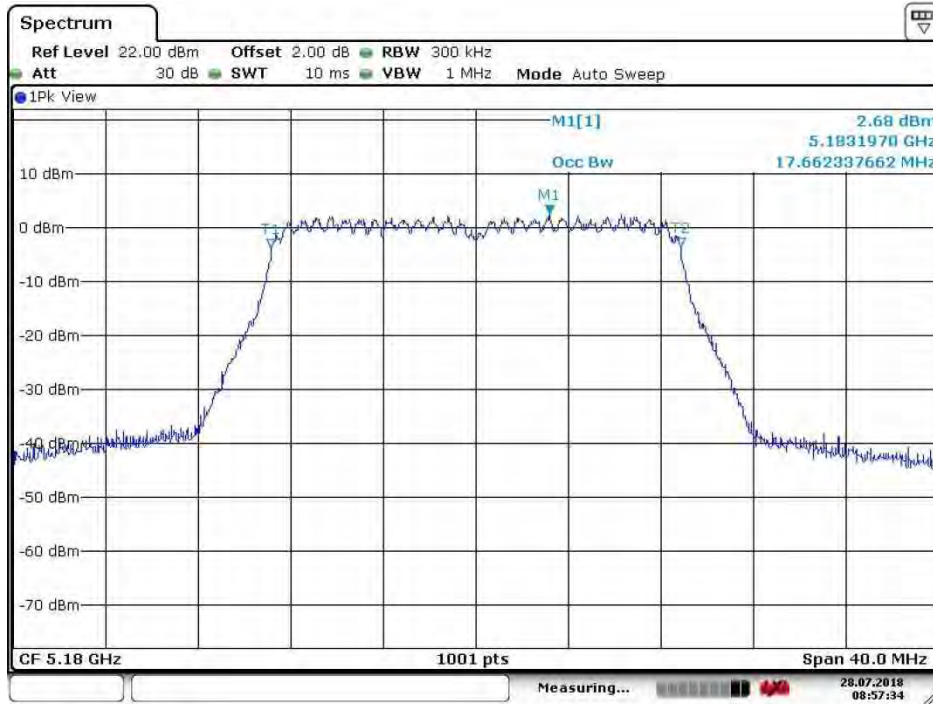


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5.4.2.4.7 11N20_36 ANT 2

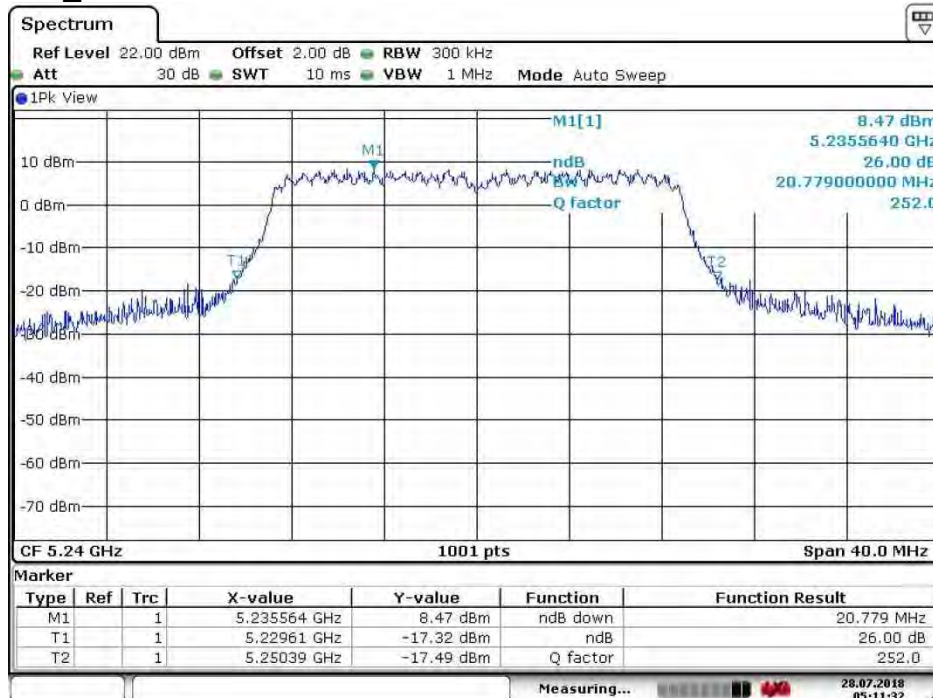


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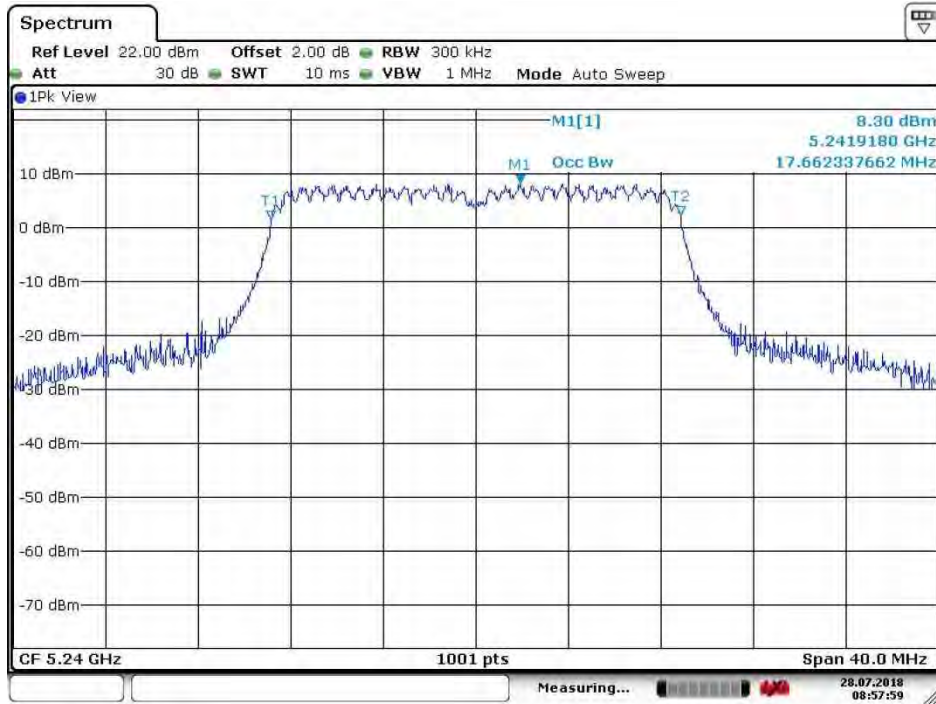


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5.4.2.4.8 11N20_48 ANT 2

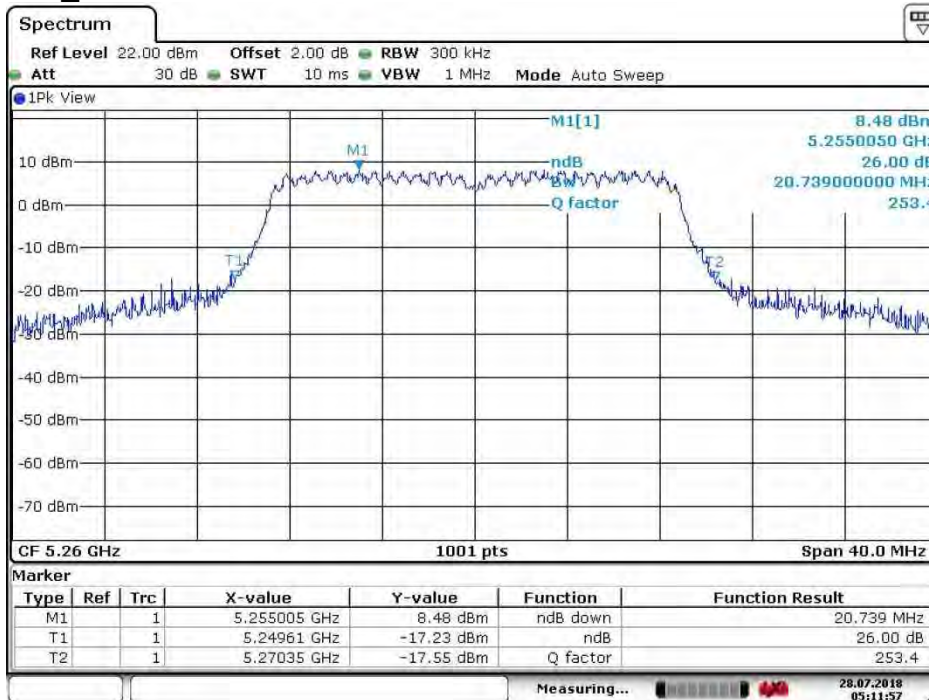


Date: 28. JUL. 2018 05:11:32

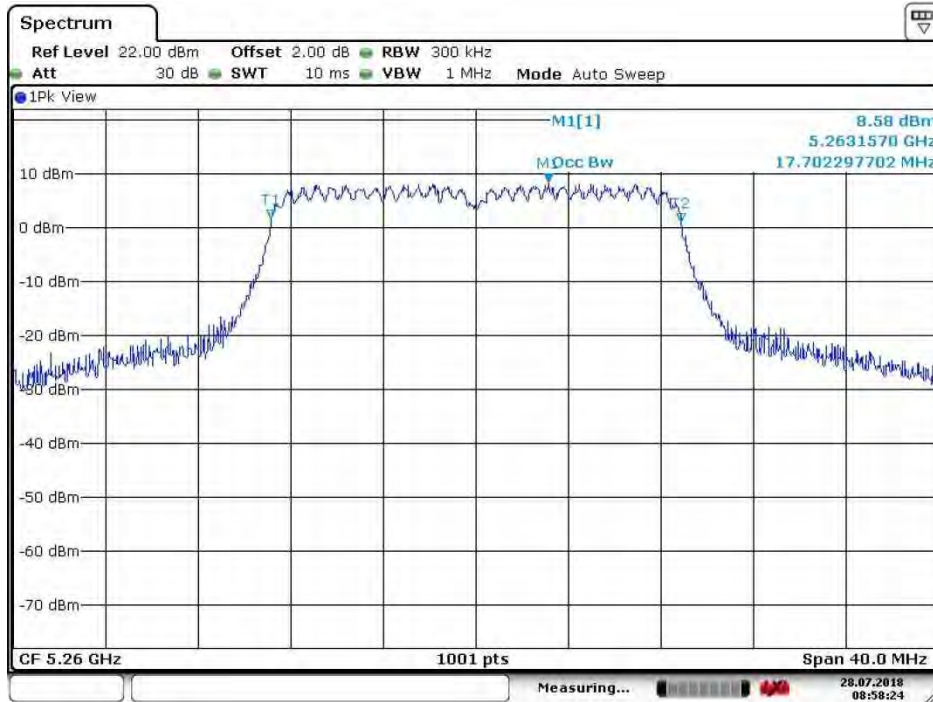


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5.4.2.4.9 11N20_52 ANT 2

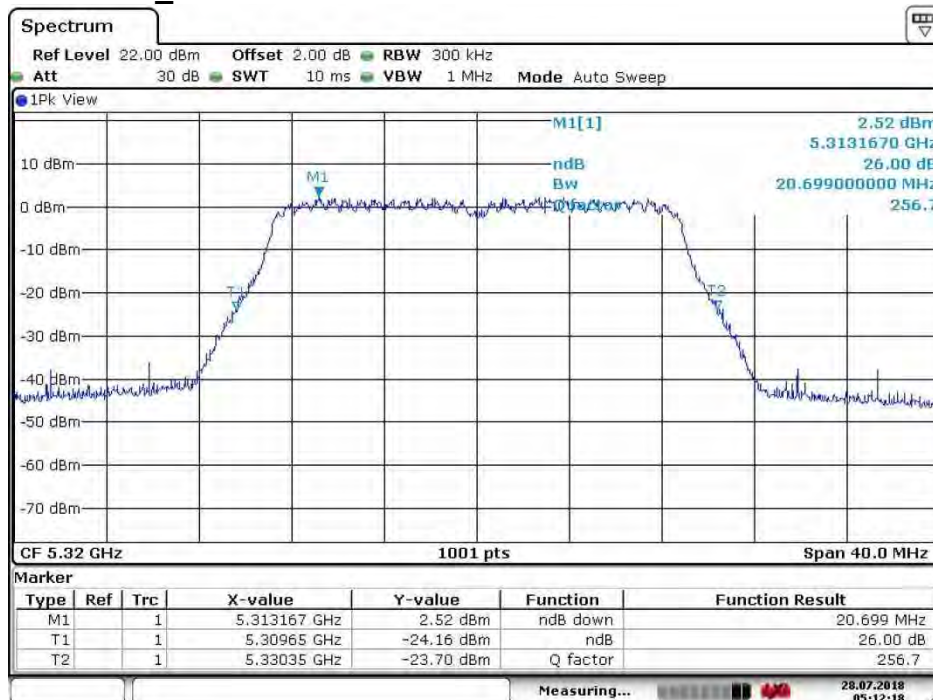


Date: 28.JUL.2018 05:11:58

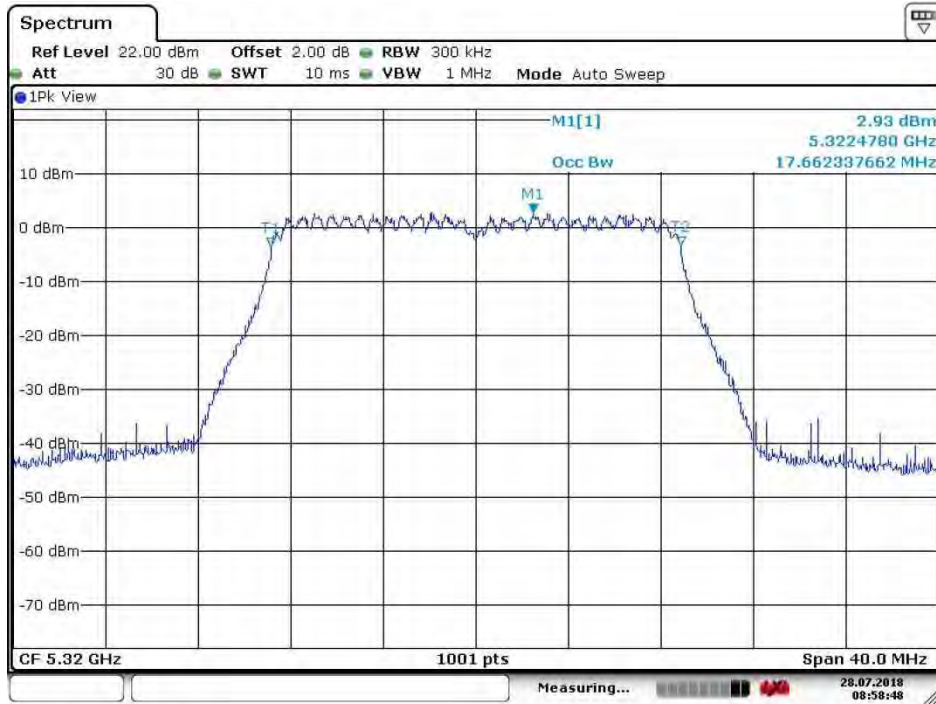


Date: 28. JUL. 2018 08:58:24

5.4.2.4.10 11N20_64 ANT 2

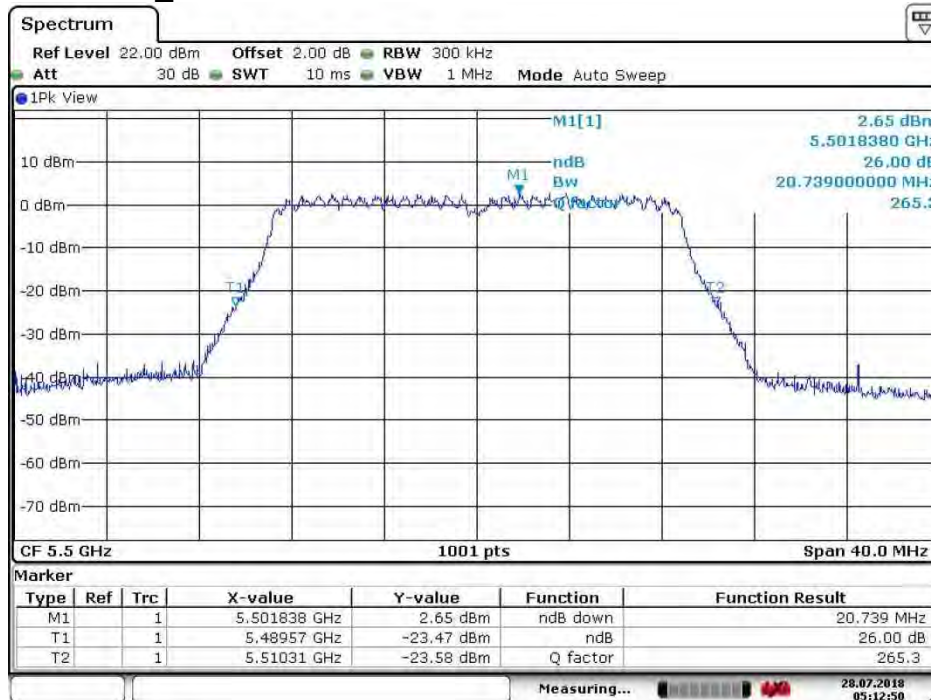


Date: 28. JUL. 2018 05:12:19

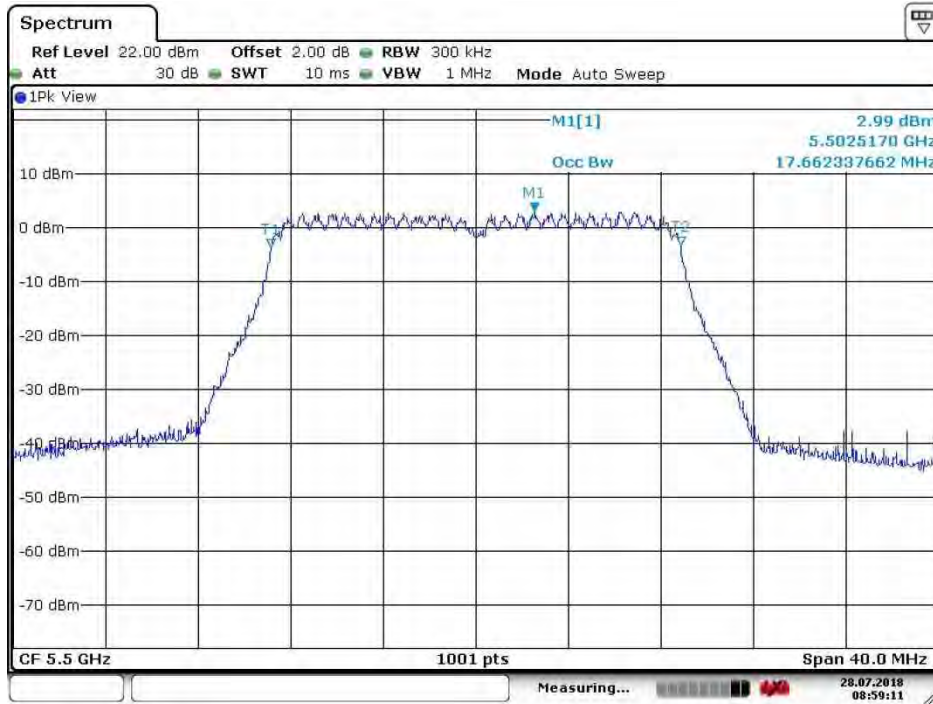


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5.4.2.4.11 11N20_100 ANT 2

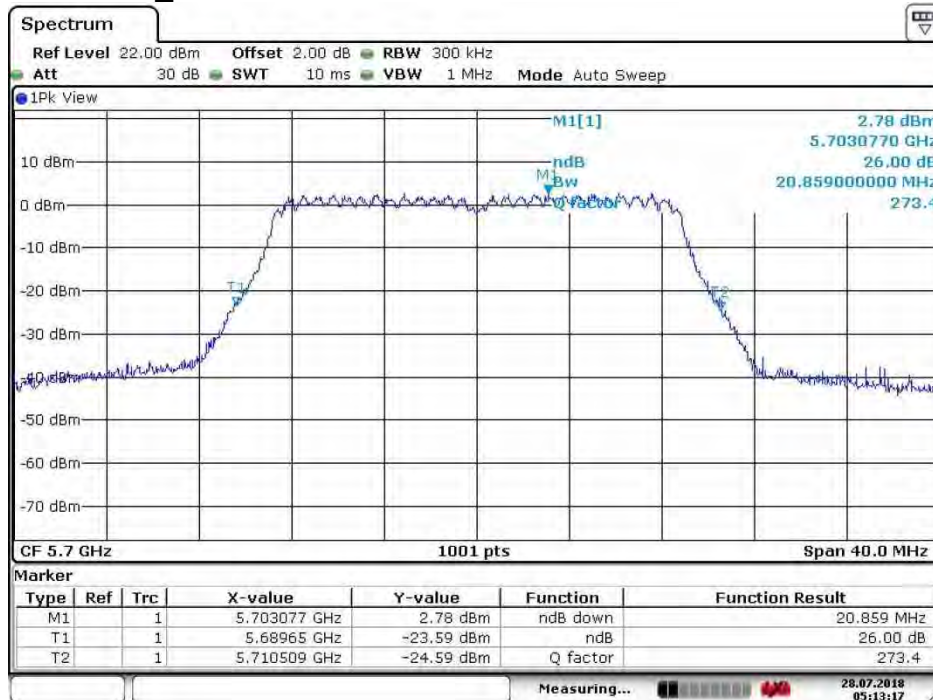


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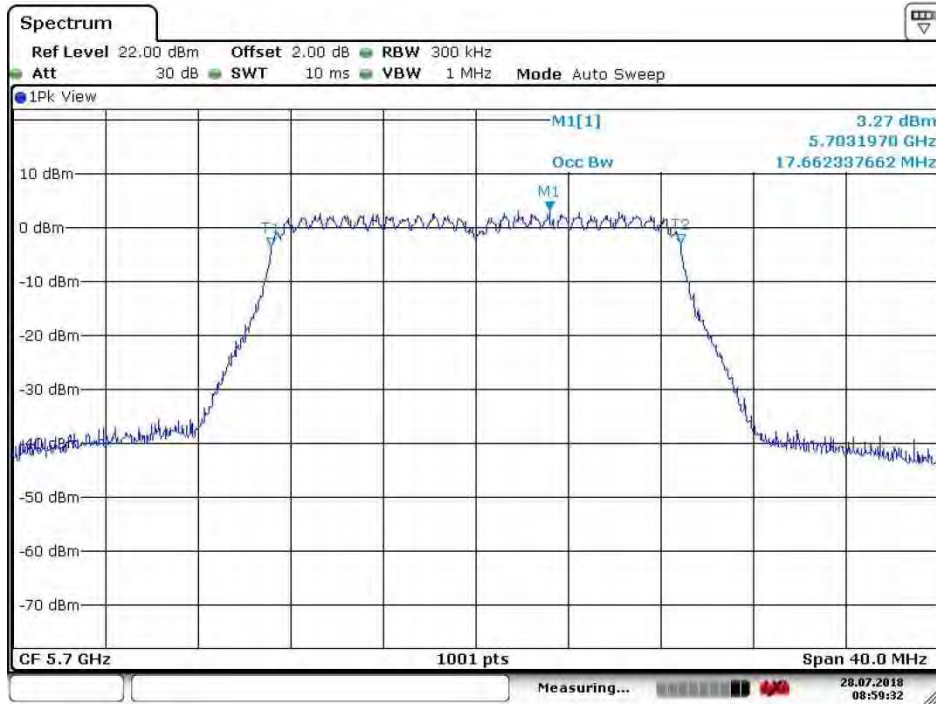


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5.4.2.4.12 11N20_140 ANT 2



Date: 28.JUL.2018 05:13:17

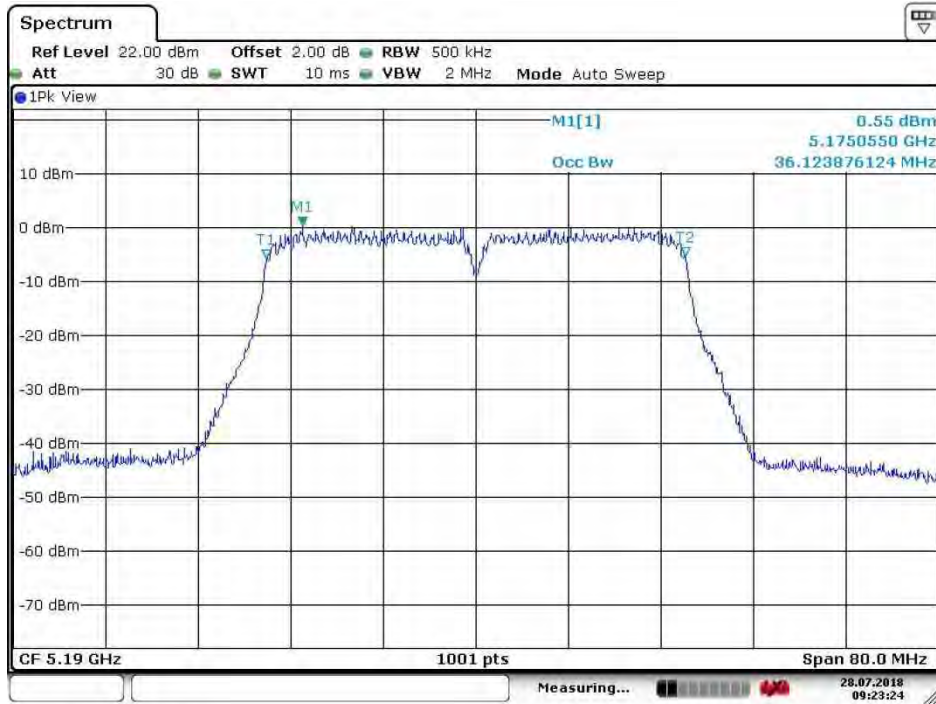


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5.4.2.4.13 11N40_38 ANT 2

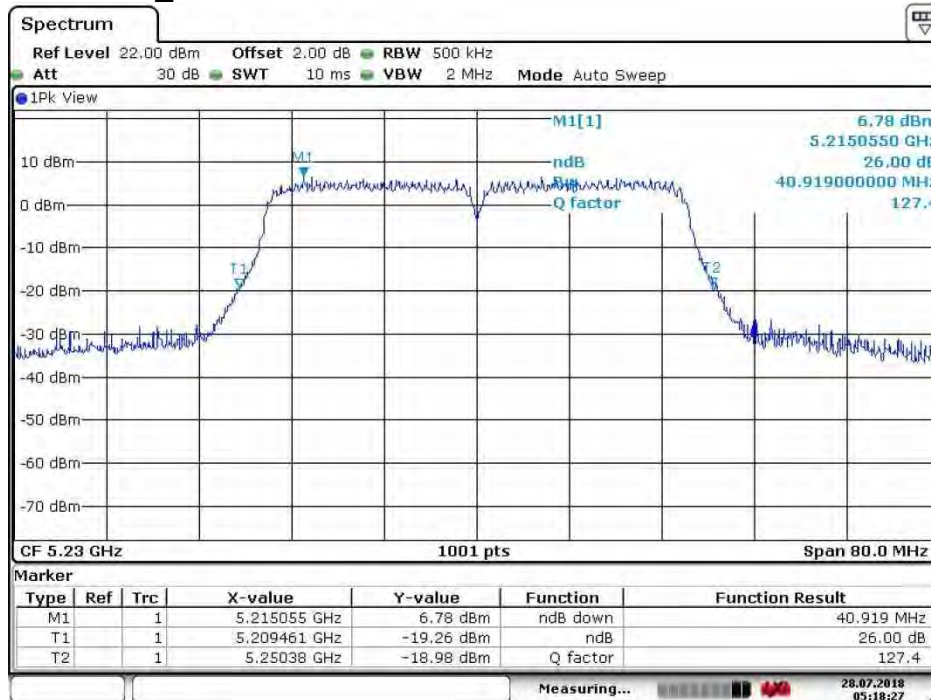


Date: 28.JUL.2018 05:17:54

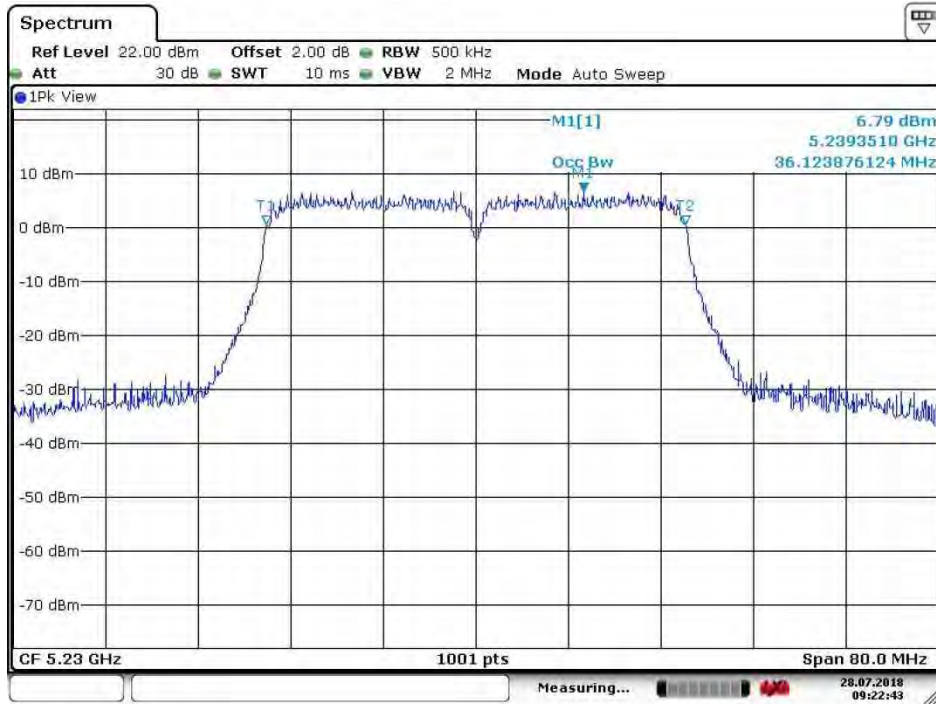


Date: 28. JUL. 2018 09:23:25

5.4.2.4.14 11N40_46 ANT 2

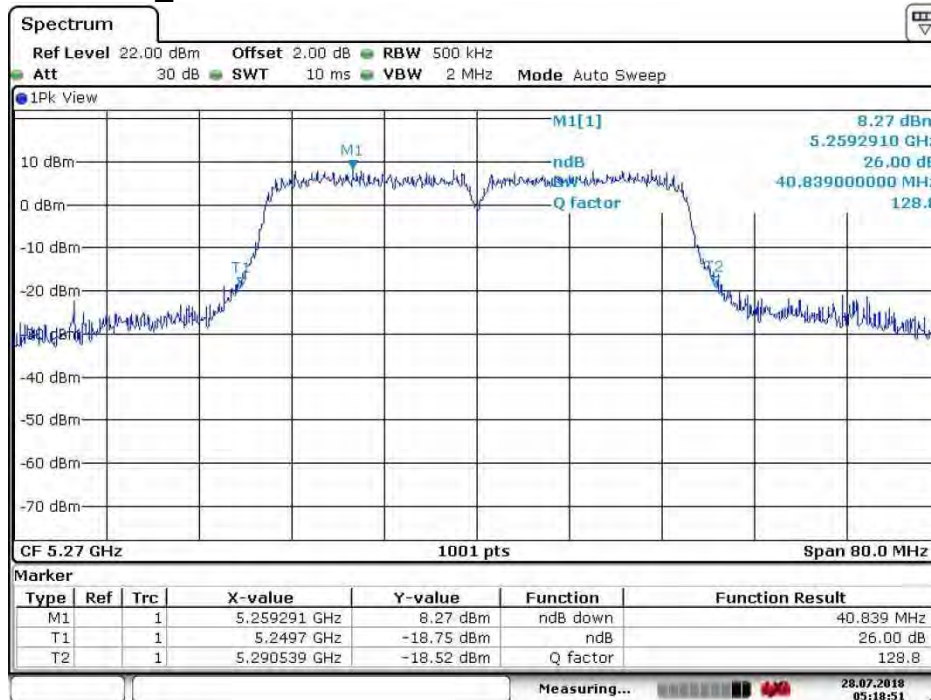


Date: 28. JUL. 2018 05:18:28

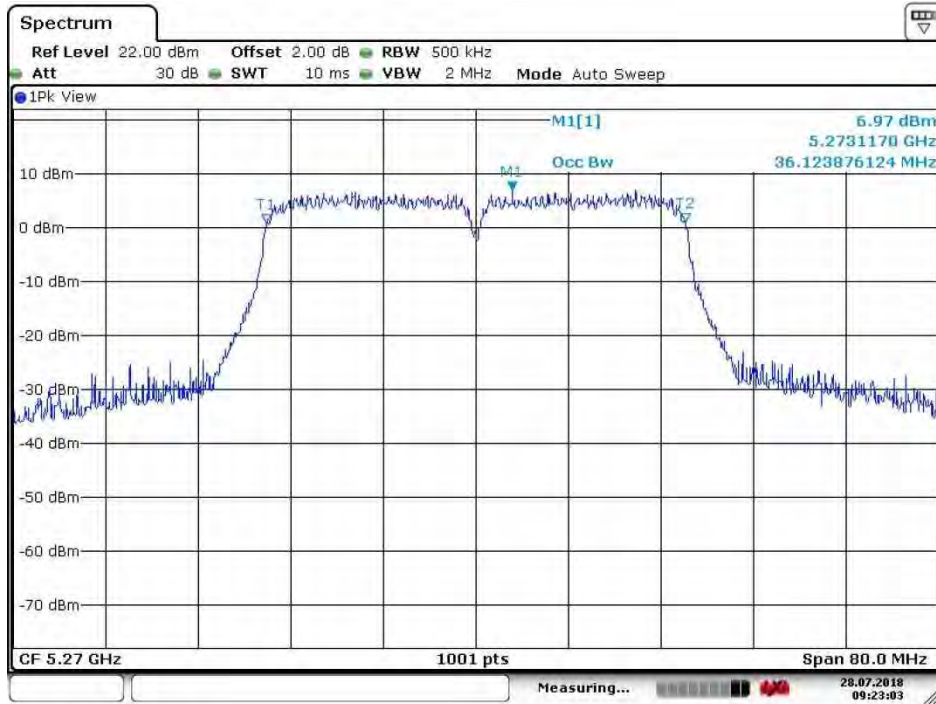


Date: 28.JUL.2018 09:22:44

5.4.2.4.15 11N40_54 ANT 2



Date: 28.JUL.2018 05:18:51



Date: 28.JUL.2018 09:23:03

5.4.2.4.16 11N40_62 ANT 2

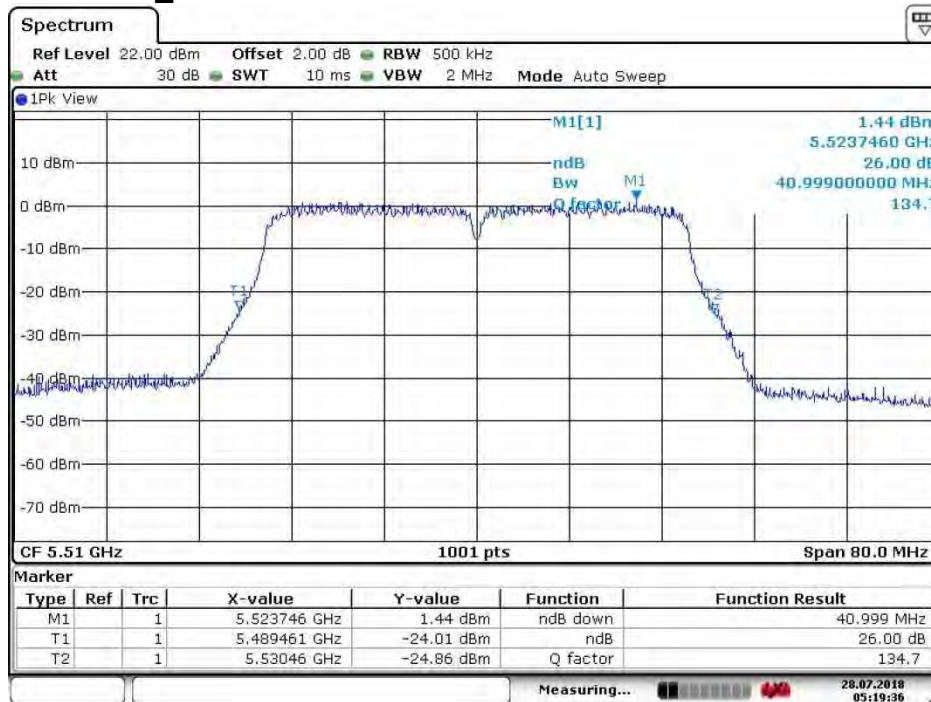


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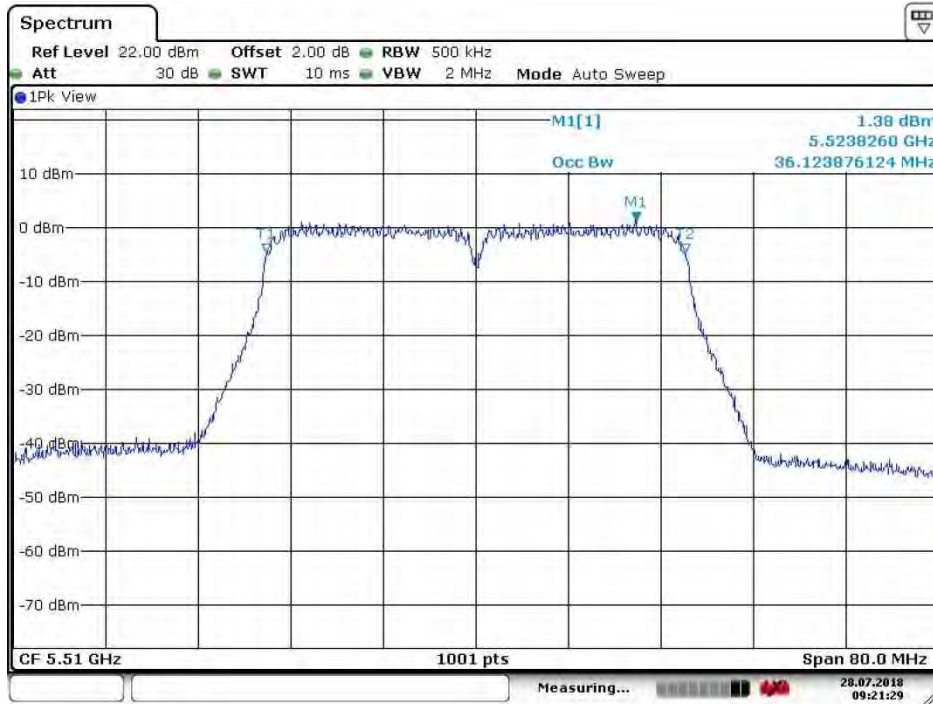


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5.4.2.4.17 11N40_102 ANT 2

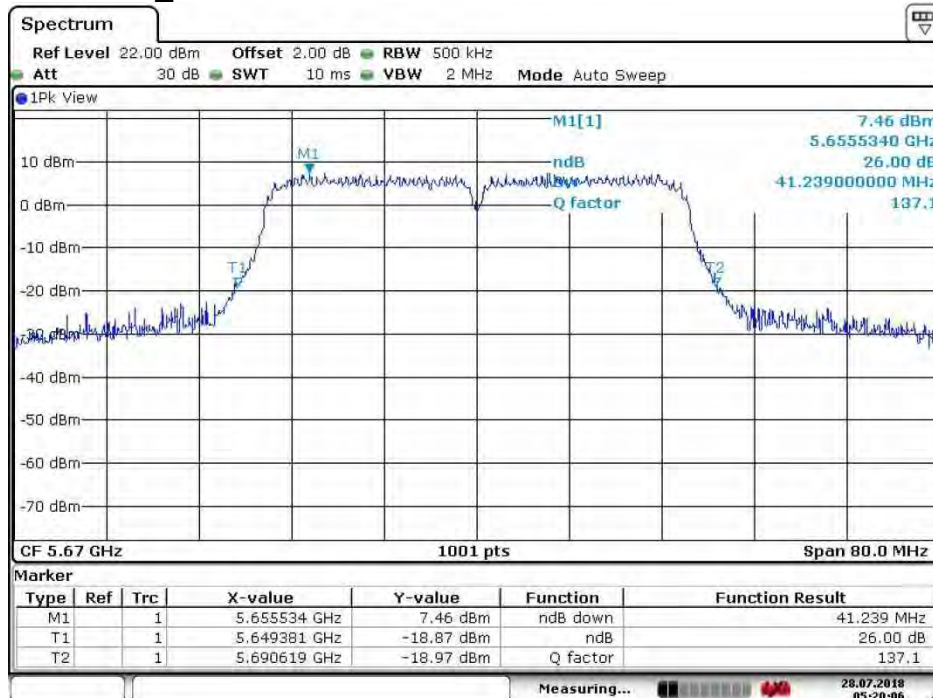


Date: 28.JUL.2018 05:19:37

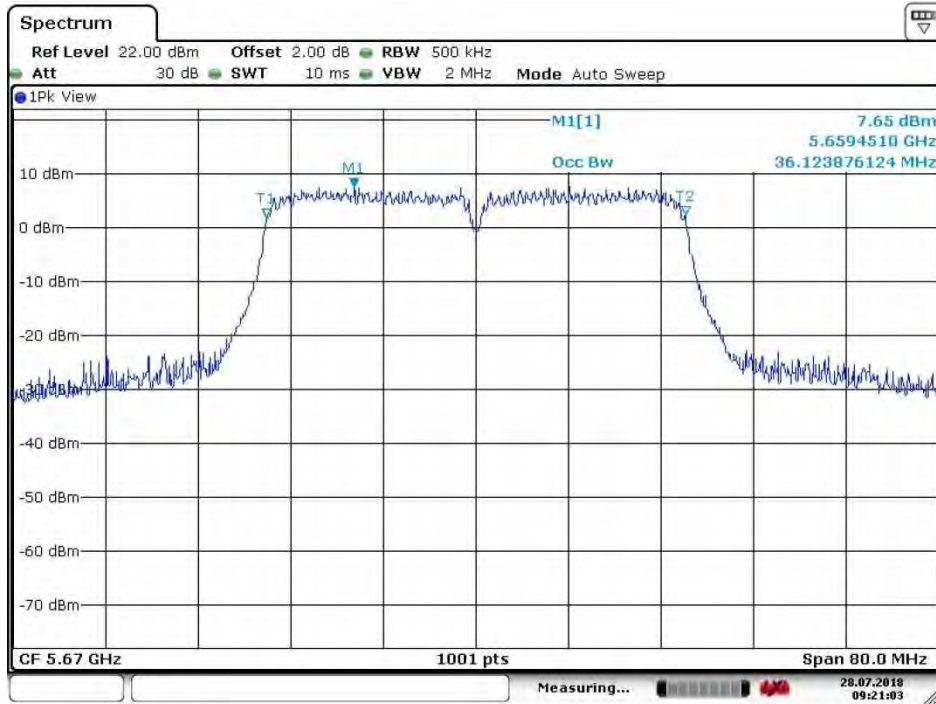


Date: 28.JUL.2018 09:21:30

5.4.2.4.18 11N40_134 ANT 2



Date: 28.JUL.2018 05:20:07



Date: 28.JUL.2018 09:21:04

5.4.2.4.19 11AC20_36 ANT 2

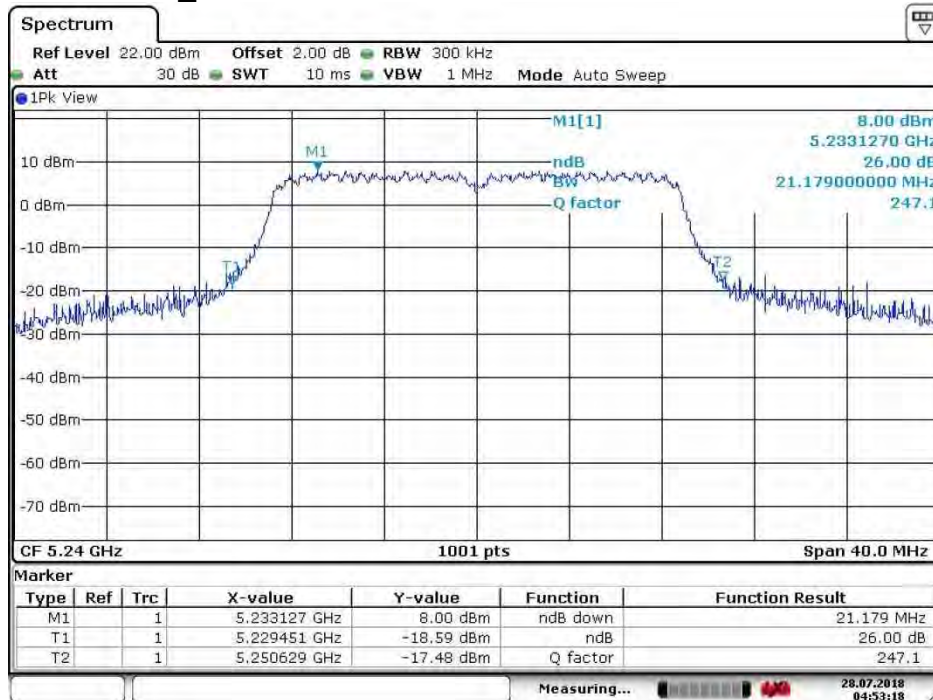


Date: 28.JUL.2018 04:52:24

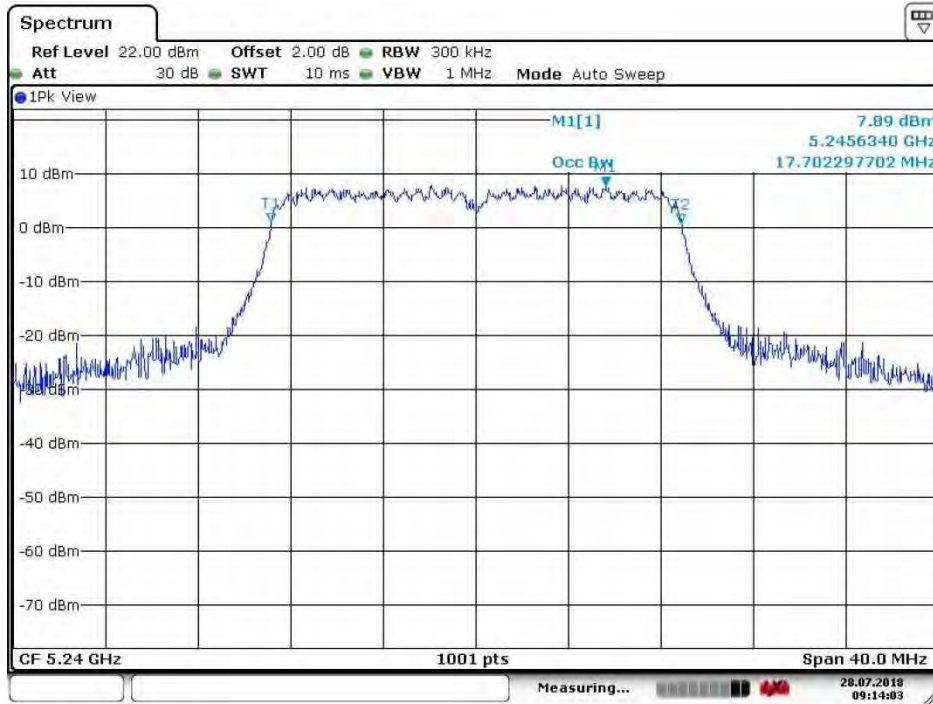


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5.4.2.4.20 11AC20_48 ANT 2

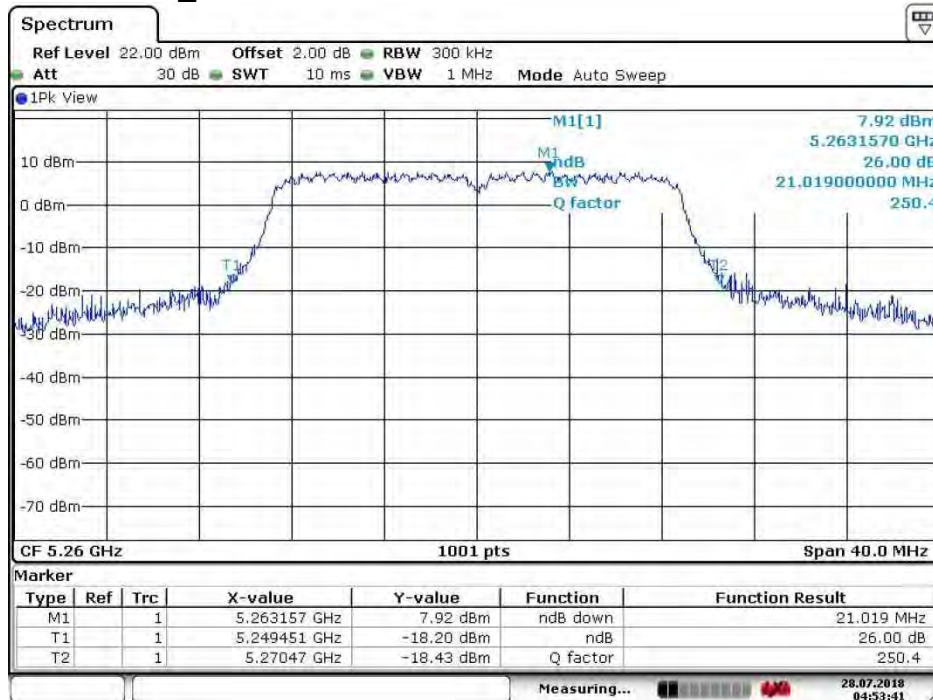


Date: 28.JUL.2018 04:53:18

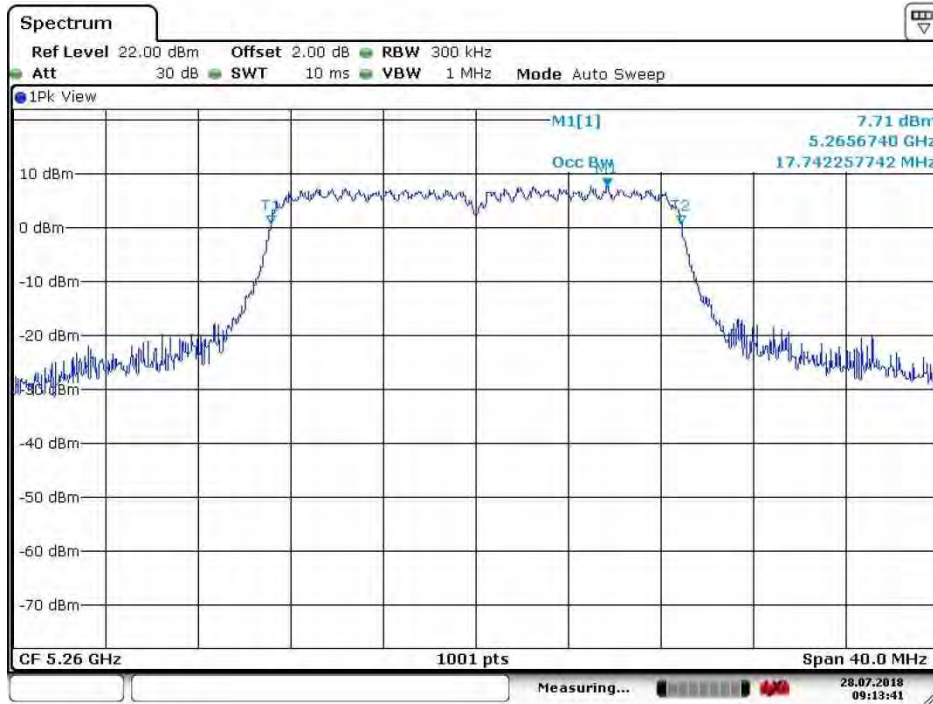


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5.4.2.4.21 11AC20_52 ANT 2

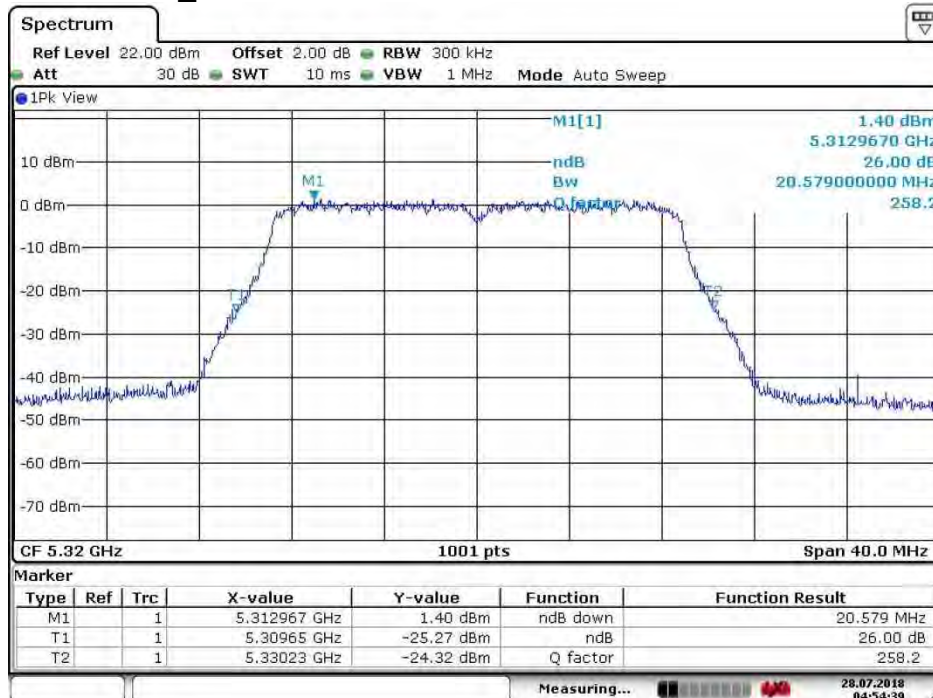


Date: 28.JUL.2018 04:53:41



Date: 28.JUL.2018 09:13:42

5.4.2.4.22 11AC20_64 ANT 2



Date: 28.JUL.2018 04:54:39

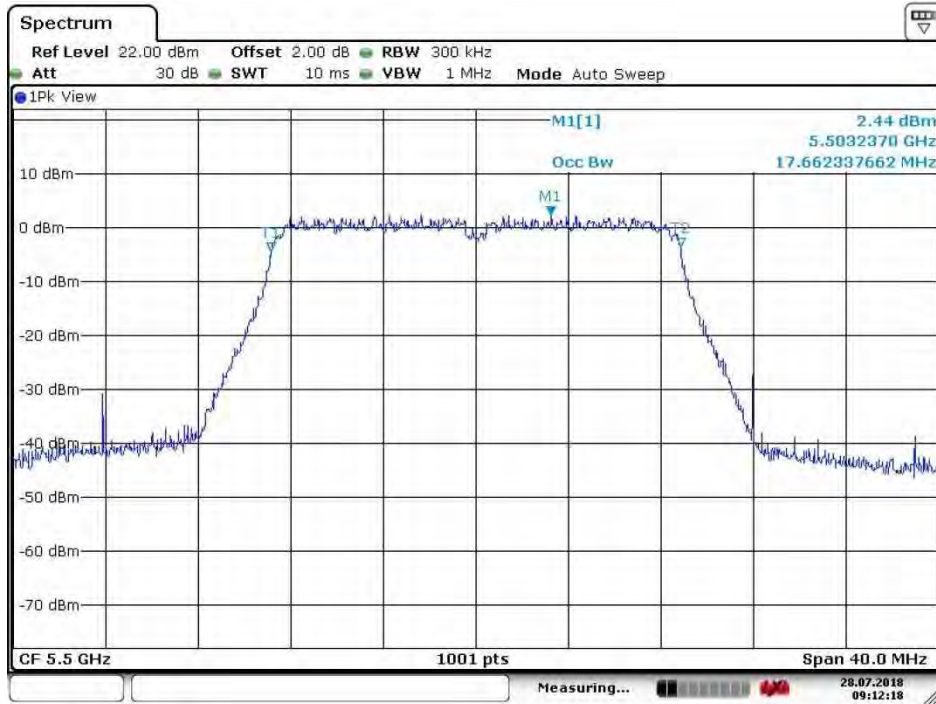


Date: 28.JUL.2018 09:12:59

5.4.2.4.23 11AC20_100 ANT 2

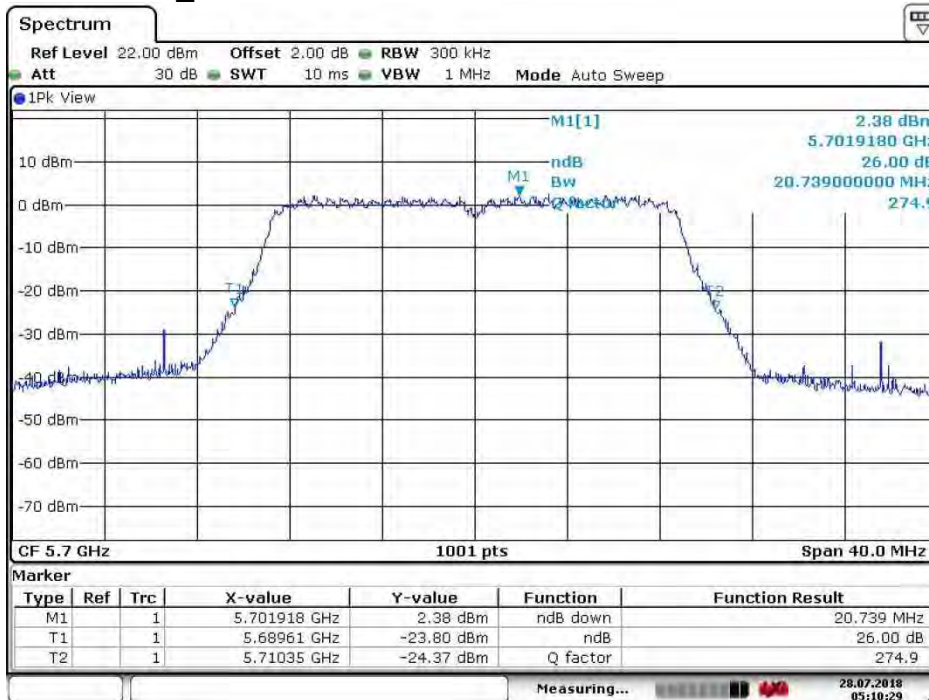


Date: 28.JUL.2018 05:09:31



Date: 28.JUL.2018 09:12:19

5.4.2.4.24 11AC20_140 ANT 2



Date: 28.JUL.2018 05:10:29



Date: 28.JUL.2018 09:11:56

5.4.2.4.25 11AC40_38 ANT 2

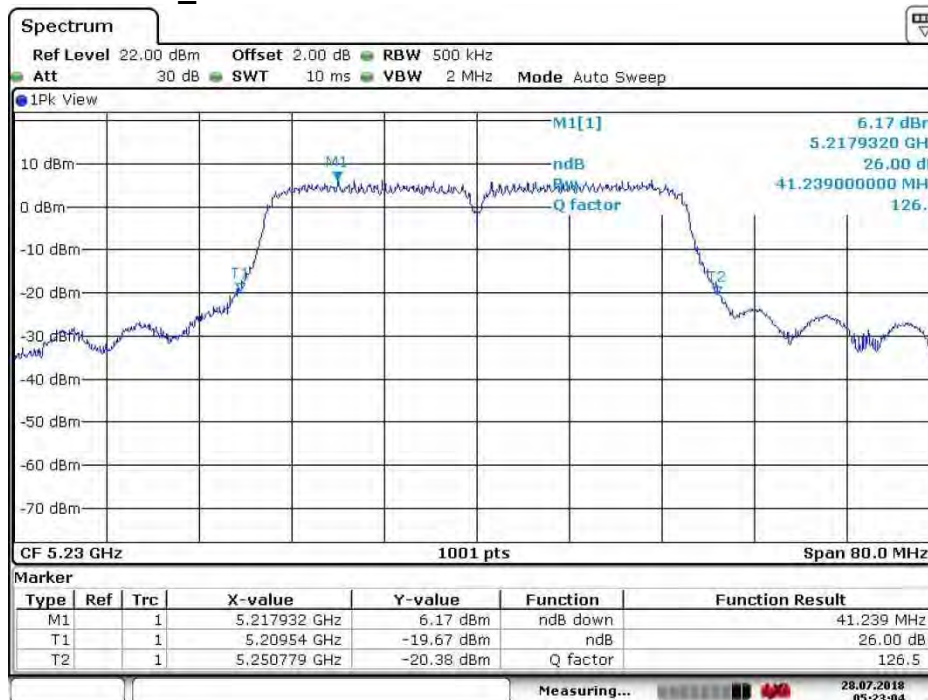


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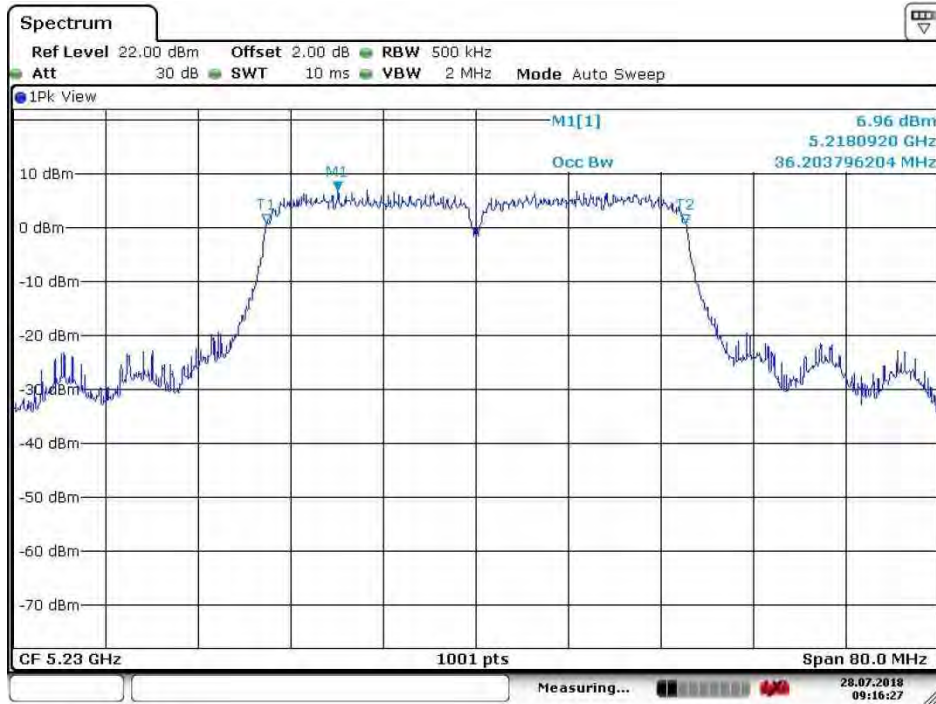


Date: 28.JUL.2018 09:15:35

5.4.2.4.26 11AC40_46 ANT 2

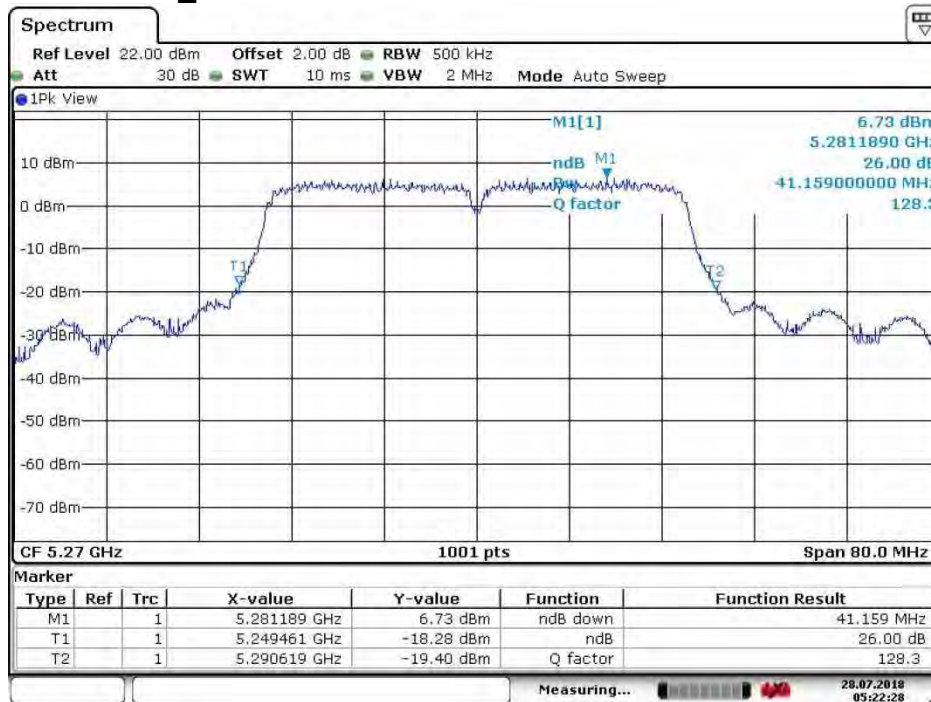


Date: 28.JUL.2018 05:23:04

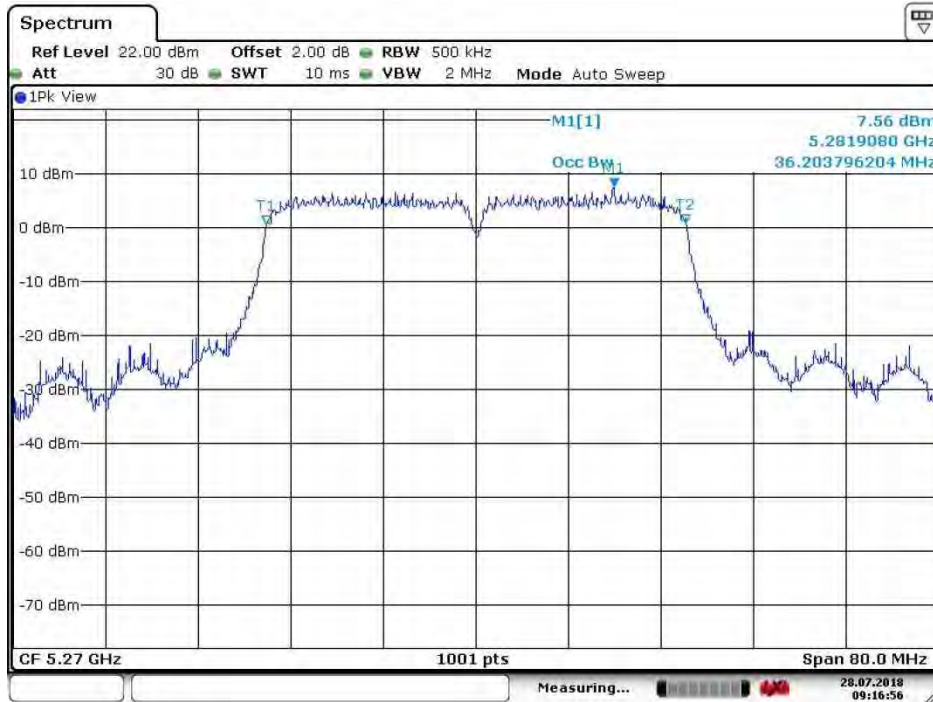


Date: 28.JUL.2018 09:16:27

5.4.2.4.27 11AC40_54 ANT 2



Date: 28.JUL.2018 05:22:29

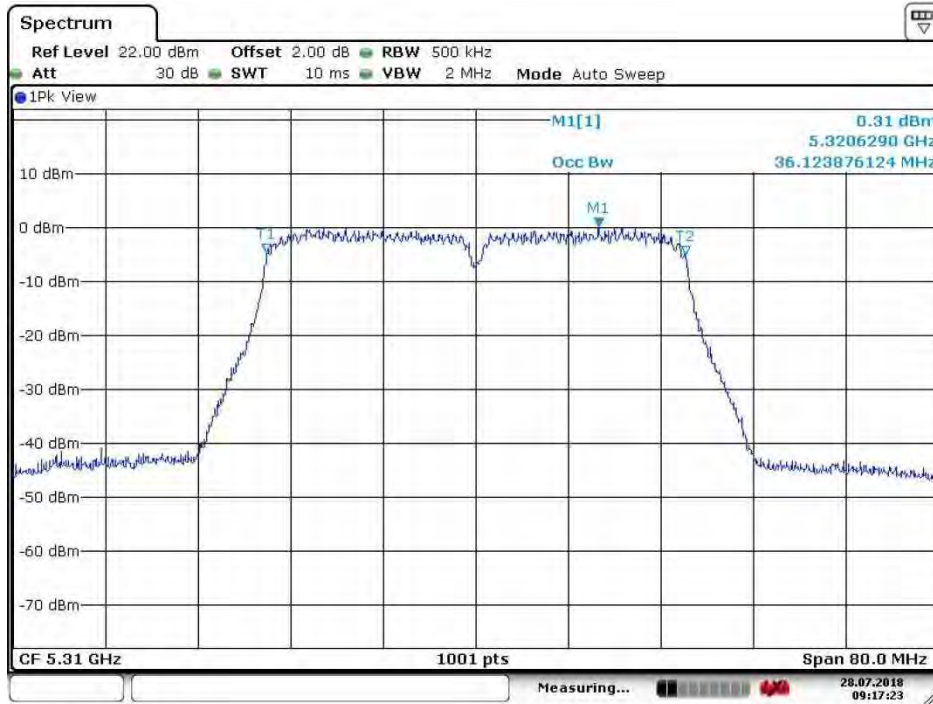


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5.4.2.4.28 11AC40_62 ANT 2

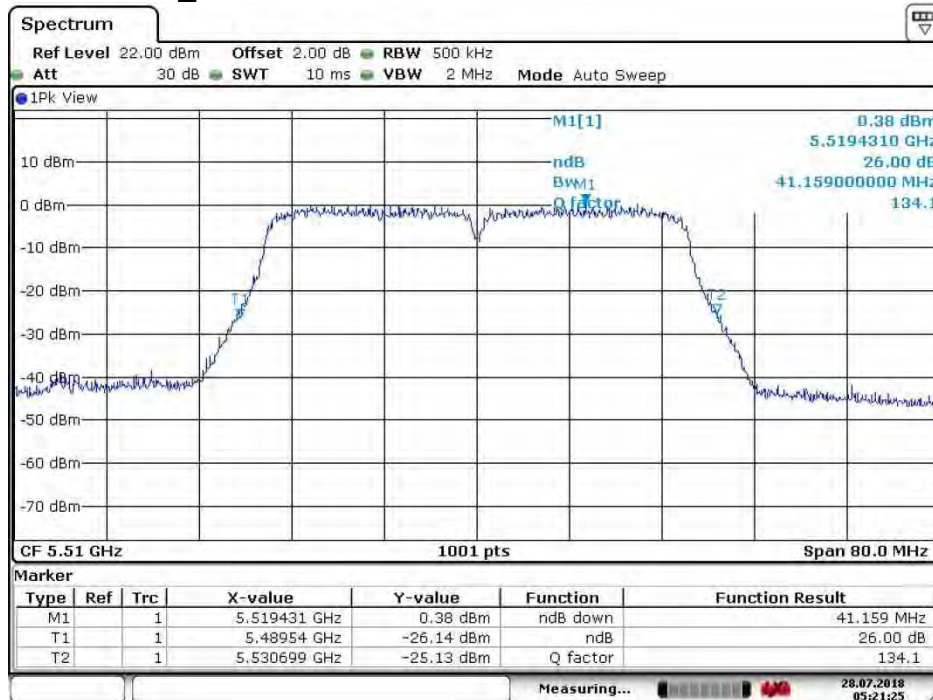


Date: 28.JUL.2018 05:21:59



Date: 28.JUL.2018 09:17:23

5.4.2.4.29 11AC40_102 ANT 2

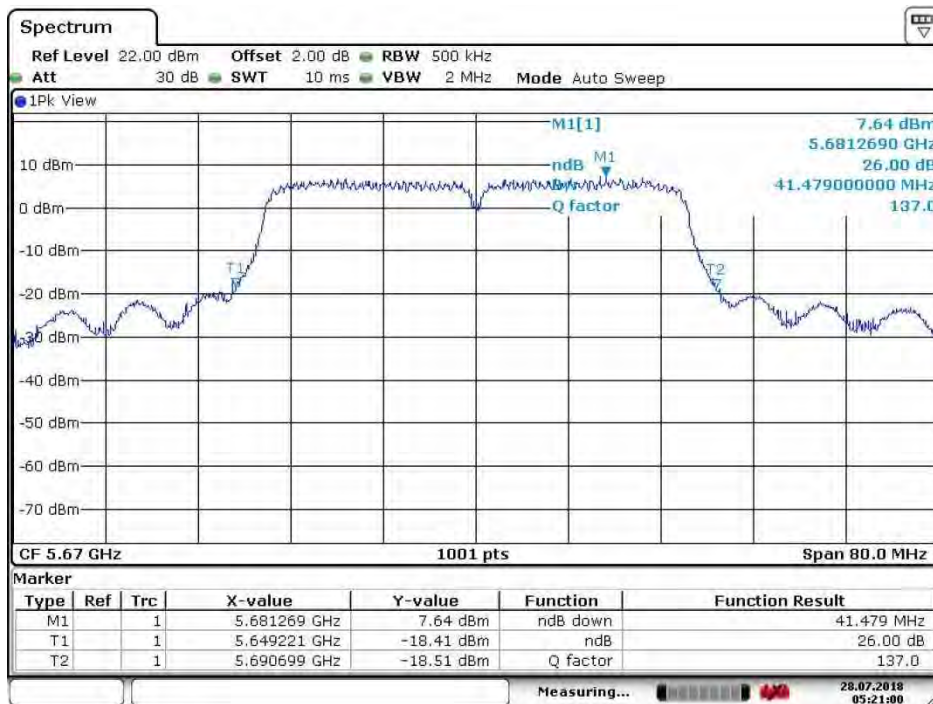


Date: 28.JUL.2018 05:21:25

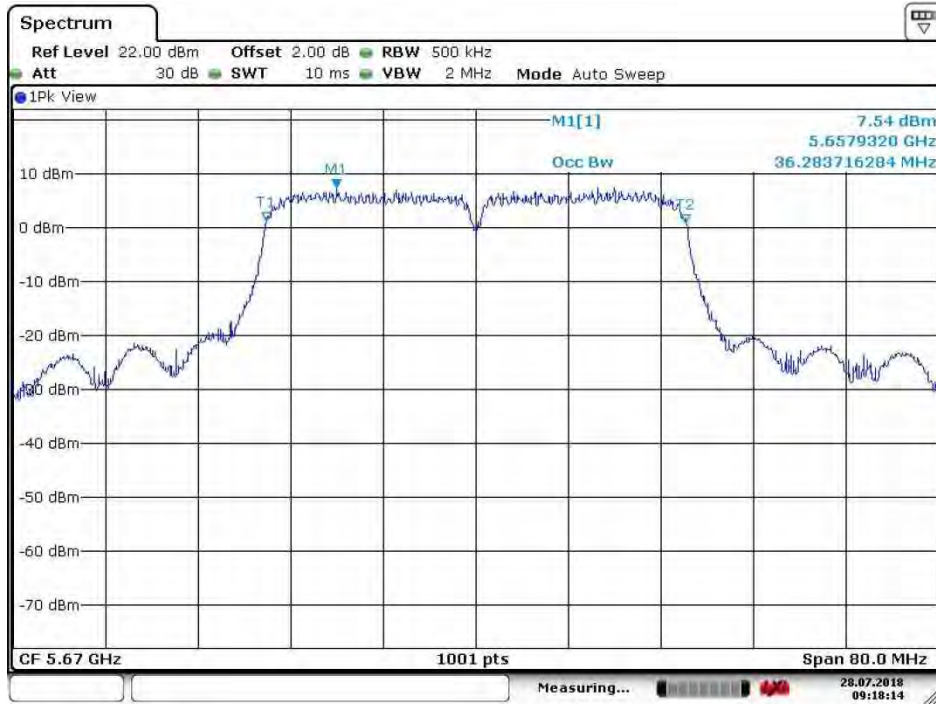


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5.4.2.4.30 11AC40_134 ANT 2



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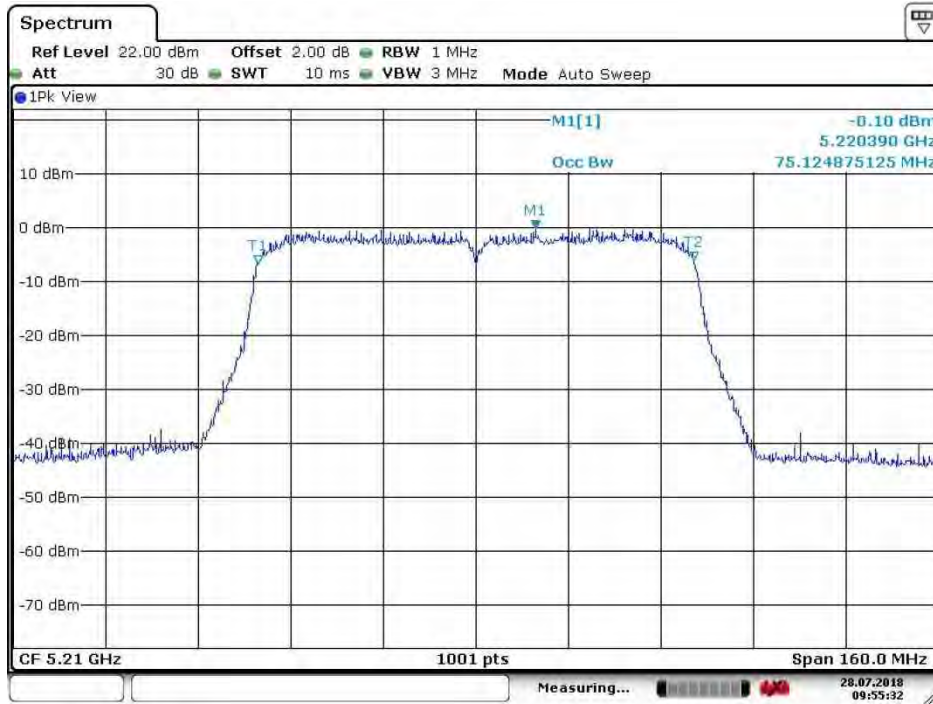


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5.4.2.4.31 11AC80_42 ANT 2

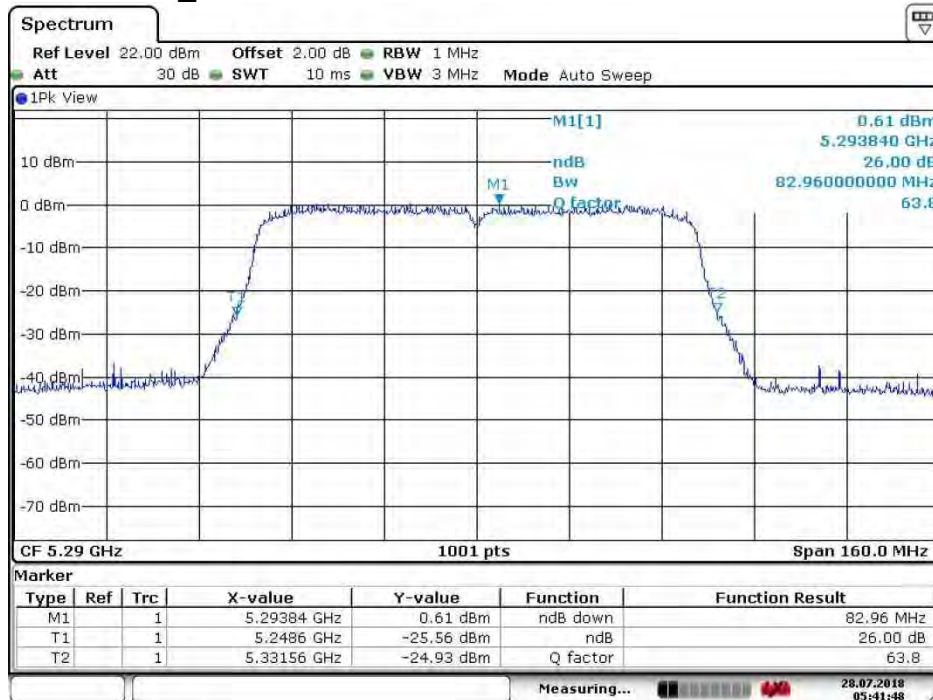


Date: 28. JUL. 2018 05:41:18



Date: 28.JUL.2018 09:55:32

5.4.2.4.32 11AC80_58 ANT 2



Date: 28.JUL.2018 05:41:49

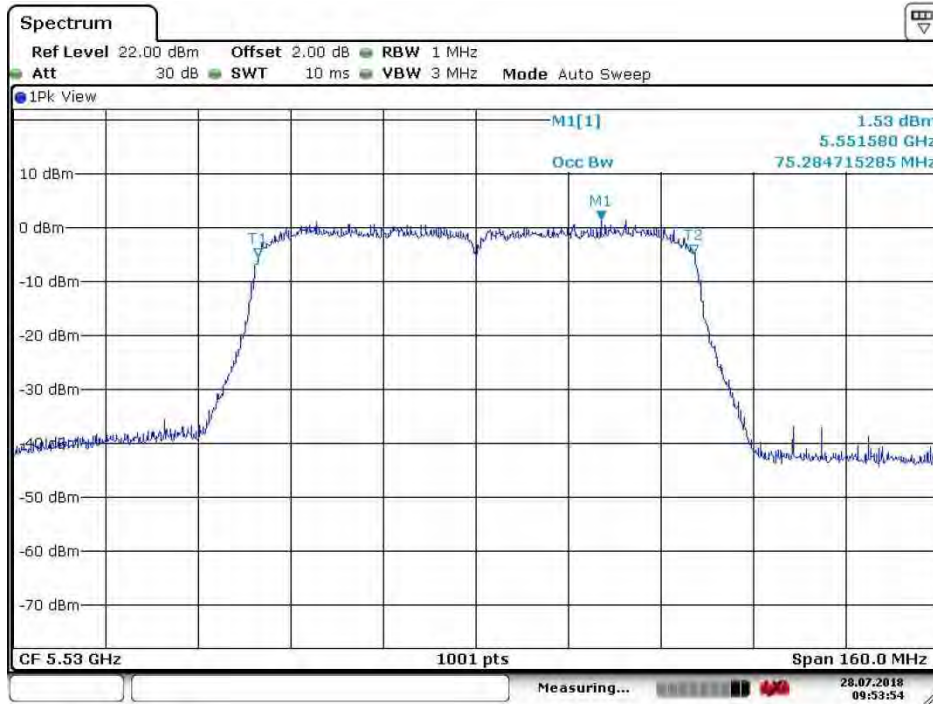


Date: 28.JUL.2018 09:54:17

5.4.2.4.33 11AC80_106 ANT 2



Date: 28.JUL.2018 05:42:28

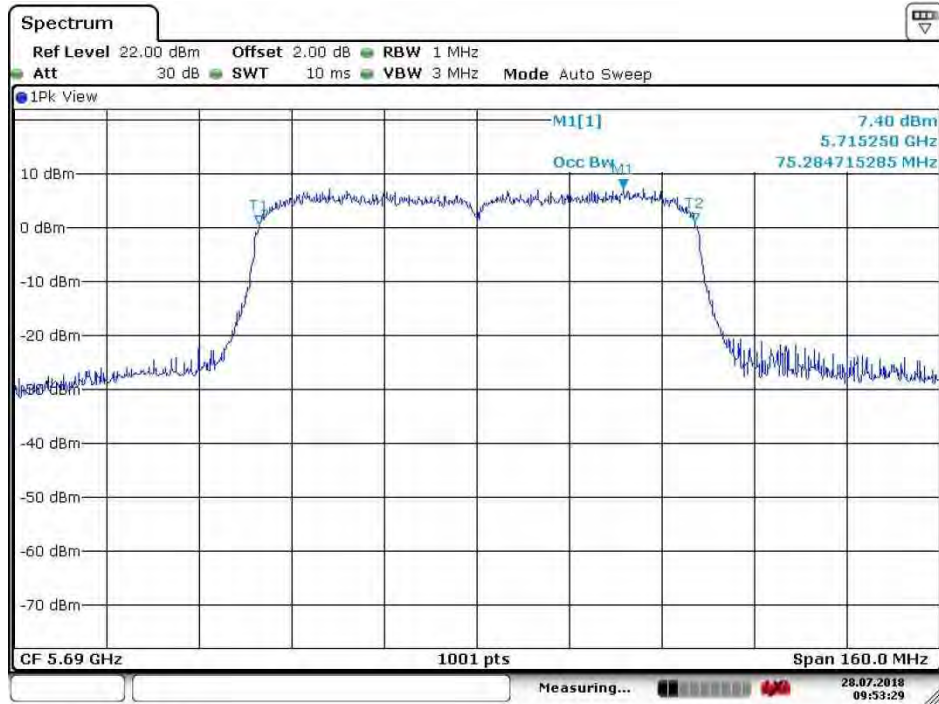


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5.4.2.4.34 11AC80_138 ANT 2

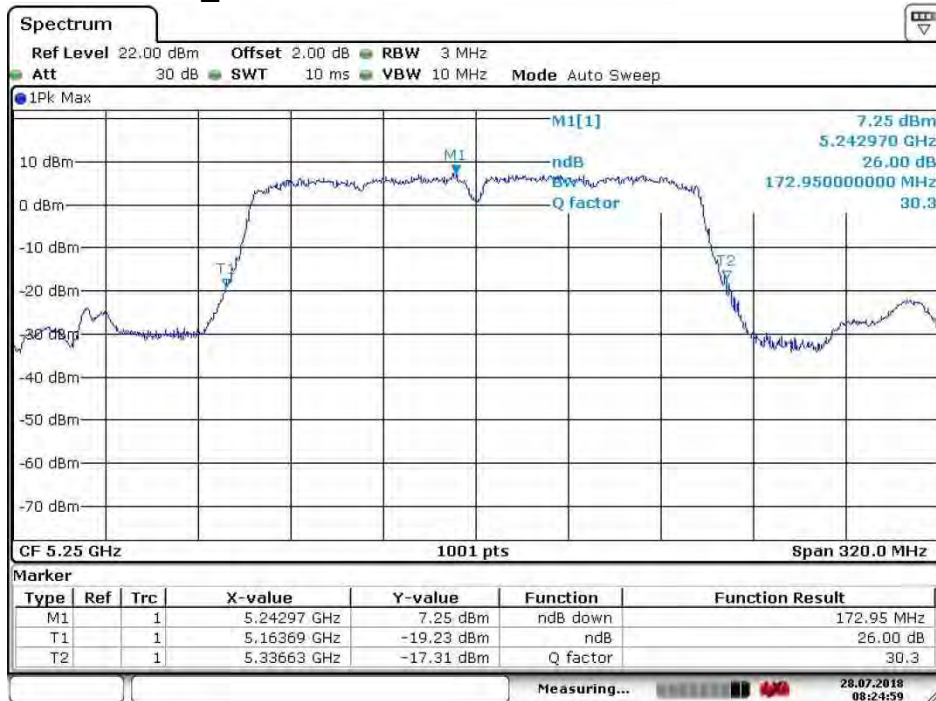


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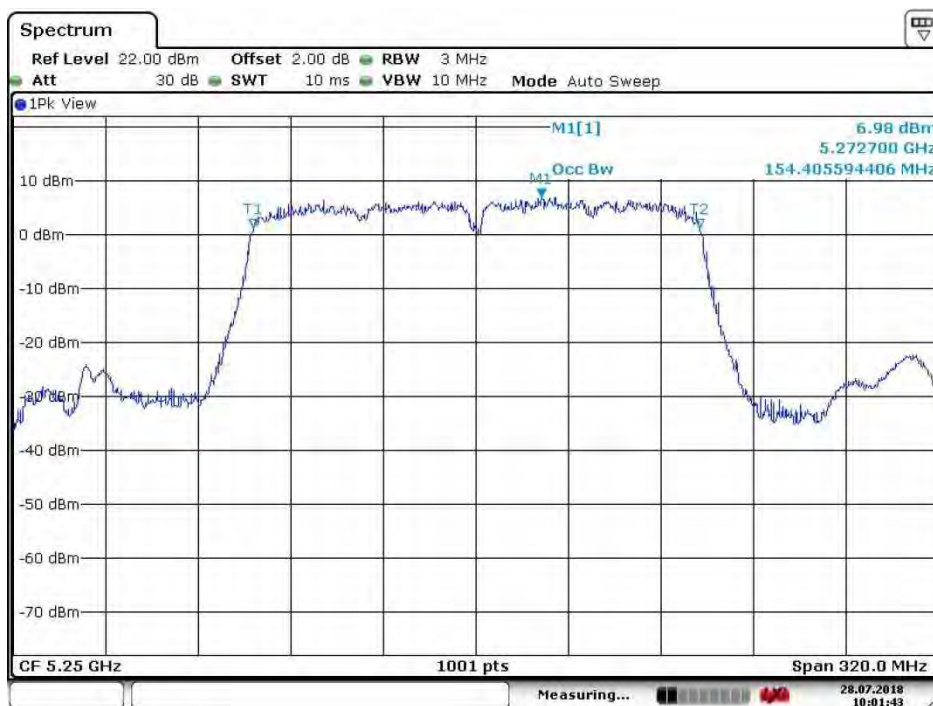


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5.4.2.4.35 11AC160_50ANT 2

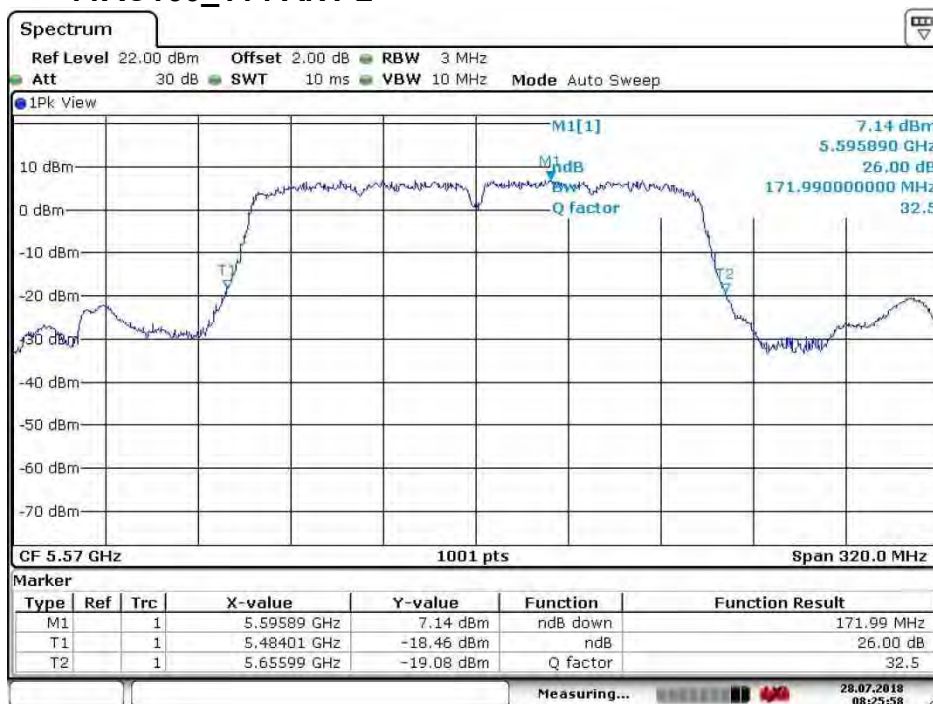


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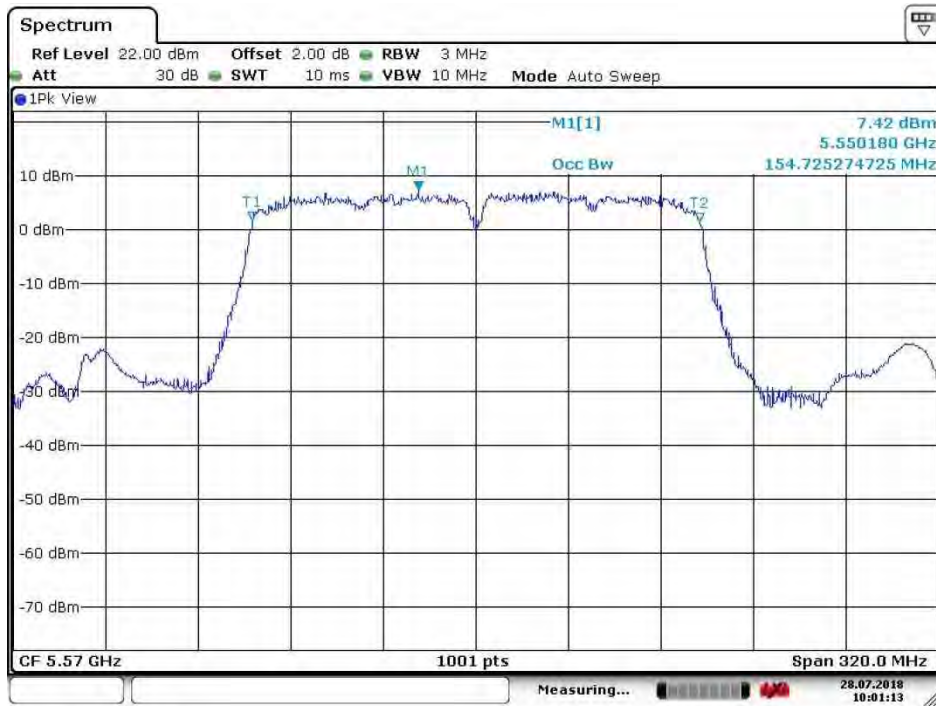


Date: 28.JUL.2018 10:01:44

5.4.2.4.36 11AC160_114 ANT 2

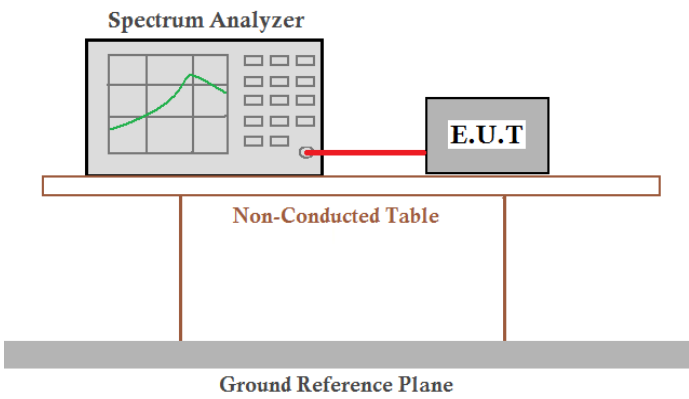


Date: 28.JUL.2018 08:25:58



Date: 28 JUL 2018 10:01:13

5.5 6dB Emission Bandwidth & 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>	
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) , MCS0 of rate is the worst case of 802.11ac(HT160) ; Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	



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Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Occupied Bandwidth [MHz]	Verdict
11A20_SISO	149	5745	ANT 1	16.38	16.82	PASS
	157	5785	ANT 1	16.38	16.82	PASS
	165	5825	ANT 1	16.34	16.82	PASS
11N20_SISO	149	5745	ANT 1	17.18	17.74	PASS
	157	5785	ANT 1	17.30	17.74	PASS
	165	5825	ANT 1	17.14	17.74	PASS
11N40_SISO	151	5755	ANT 1	35.88	36.28	PASS
	159	5795	ANT 1	35.41	36.20	PASS
11AC20_SISO	149	5745	ANT 1	17.34	17.74	PASS
	157	5785	ANT 1	17.34	17.74	PASS
	165	5825	ANT 1	17.22	17.74	PASS
11AC40_SISO	151	5755	ANT 1	35.80	36.28	PASS
	159	5795	ANT 1	35.56	36.28	PASS
11AC80_SISO	155	5775	ANT 1	75.28	75.12	PASS

Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Occupied Bandwidth [MHz]	Verdict
11A20_SISO	149	5745	ANT 2	16.38	16.78	PASS
	157	5785	ANT 2	16.42	16.78	PASS
	165	5825	ANT 2	16.34	16.82	PASS
11N20_SISO	149	5745	ANT 2	17.10	17.78	PASS
	157	5785	ANT 2	17.30	17.74	PASS
	165	5825	ANT 2	17.06	17.74	PASS
11N40_SISO	151	5755	ANT 2	36.36	36.28	PASS
	159	5795	ANT 2	36.64	36.28	PASS
11AC20_SISO	149	5745	ANT 2	17.30	17.78	PASS
	157	5785	ANT 2	17.22	17.74	PASS
	165	5825	ANT 2	17.43	17.74	PASS
11AC40_SISO	151	5755	ANT 2	35.88	36.28	PASS
	159	5795	ANT 2	35.72	36.28	PASS
11AC80_SISO	155	5775	ANT 2	75.28	75.12	PASS



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Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Occupied Bandwidth [MHz]	Verdict
11A20_CDD	149	5745	ANT 1	16.38	16.82	PASS
	165	5825	ANT 1	16.34	16.82	PASS
11N20_MIMO	149	5745	ANT 1	17.14	17.74	PASS
	165	5825	ANT 1	16.94	17.74	PASS
11N40_MIMO	151	5755	ANT 1	35.71	36.28	PASS
	159	5795	ANT 1	35.59	36.28	PASS
11AC20_MIMO	149	5745	ANT 1	17.34	17.78	PASS
	165	5825	ANT 1	16.74	17.74	PASS
11AC40_MIMO	151	5745	ANT 1	35.72	36.36	PASS
	159	5795	ANT 1	35.52	36.36	PASS
11AC80_MIMO	155	5775	ANT 1	74.01	75.28	PASS

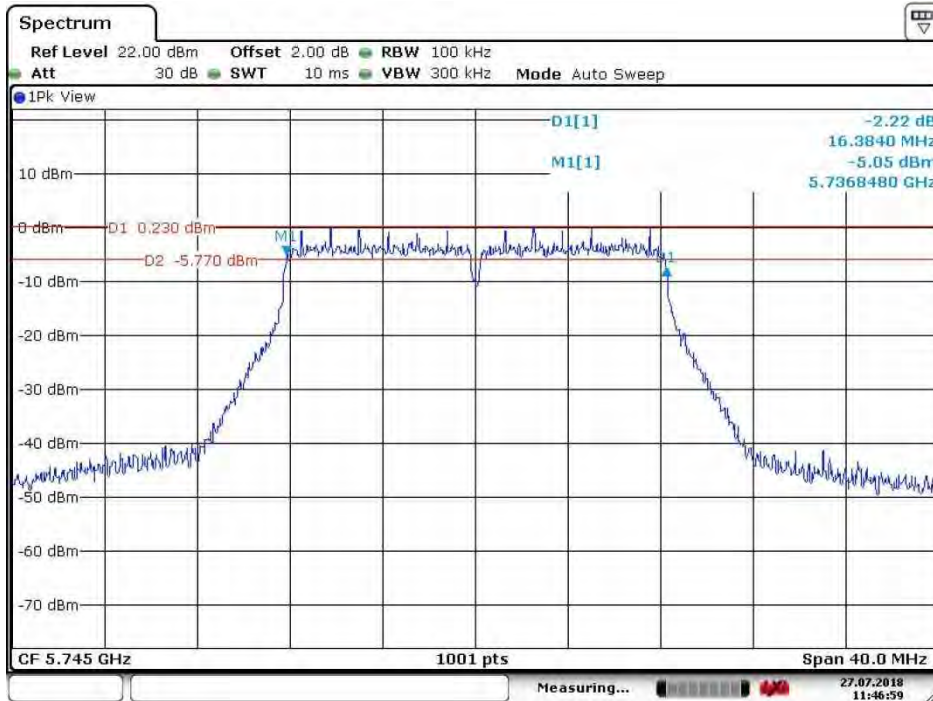
Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Occupied Bandwidth [MHz]	Verdict
11A20_CDD	149	5745	ANT 2	16.38	16.66	PASS
	165	5825	ANT 2	16.38	16.62	PASS
11N20_MIMO	149	5745	ANT 2	17.34	17.62	PASS
	165	5825	ANT 2	17.26	17.66	PASS
11N40_MIMO	151	5755	ANT 2	35.80	36.12	PASS
	159	5795	ANT 2	35.84	36.12	PASS
11AC20_MIMO	149	5745	ANT 2	17.18	17.66	PASS
	165	5825	ANT 2	17.14	17.66	PASS
11AC40_MIMO	151	5755	ANT 2	35.72	36.12	PASS
	159	5795	ANT 2	35.52	36.12	PASS
11AC80_MIMO	155	5775	ANT 2	75.28	75.12	PASS



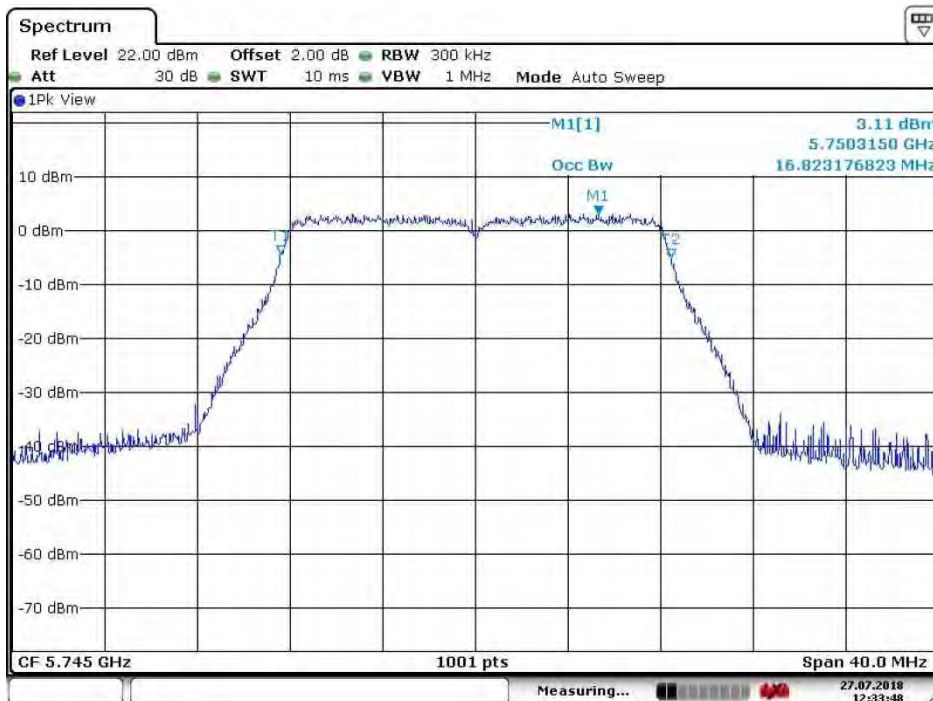
5.5.1 Plots for 6dB Emission Bandwidth & 99% Occupied Bandwidth

5.5.1.1 SISO_ANT 1

5.5.1.1.1 11A20_149 ANT 1



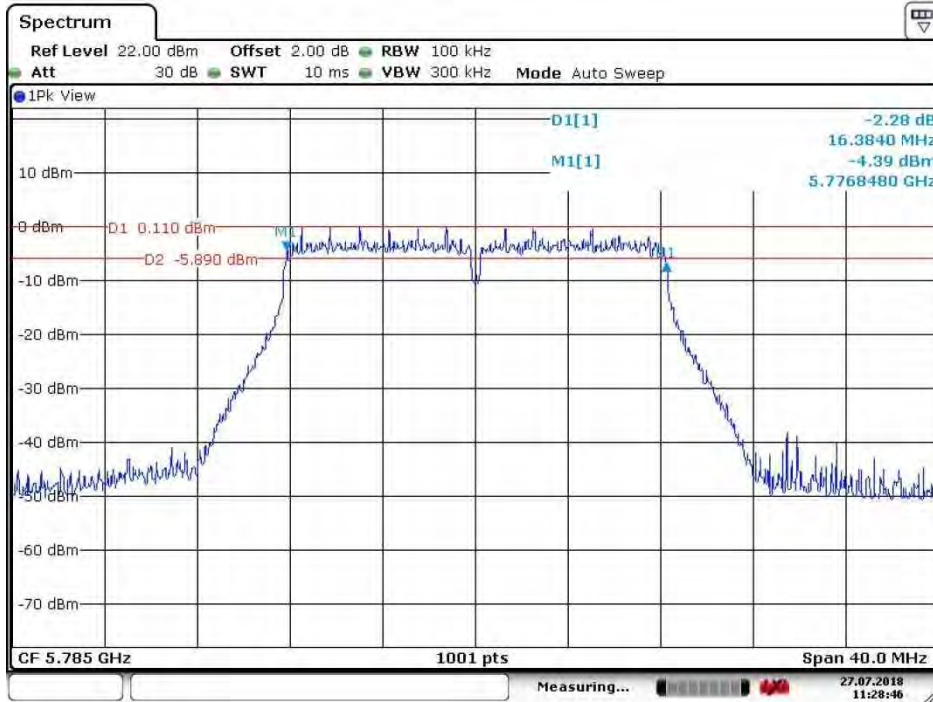
Date: 27 JUL 2018 11:46:59



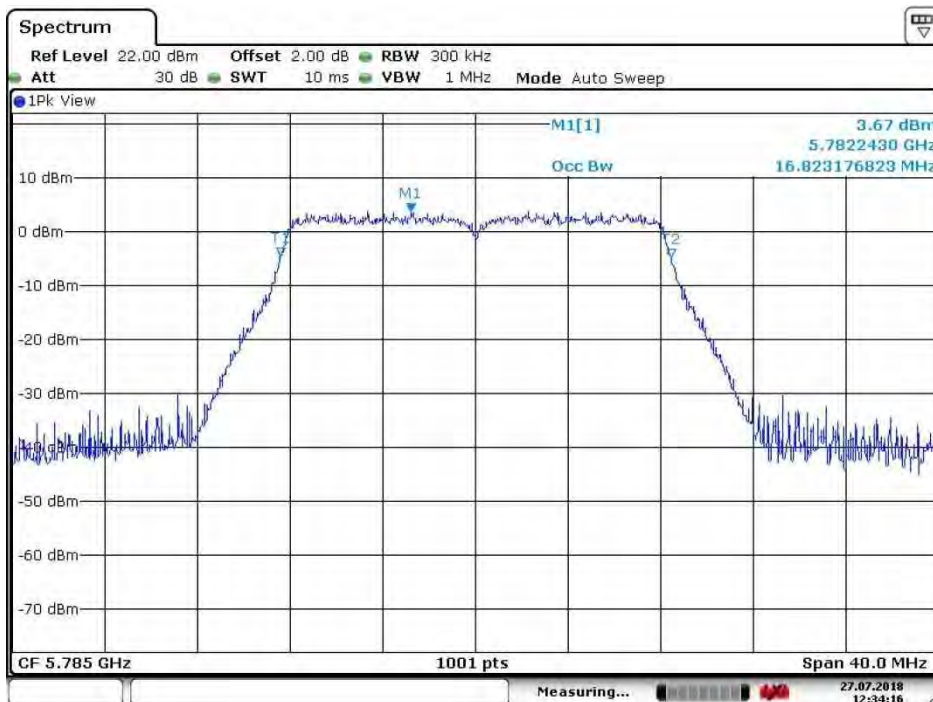
Date: 27 JUL 2018 12:33:48



5.5.1.1.2 11A20_157 ANT 1



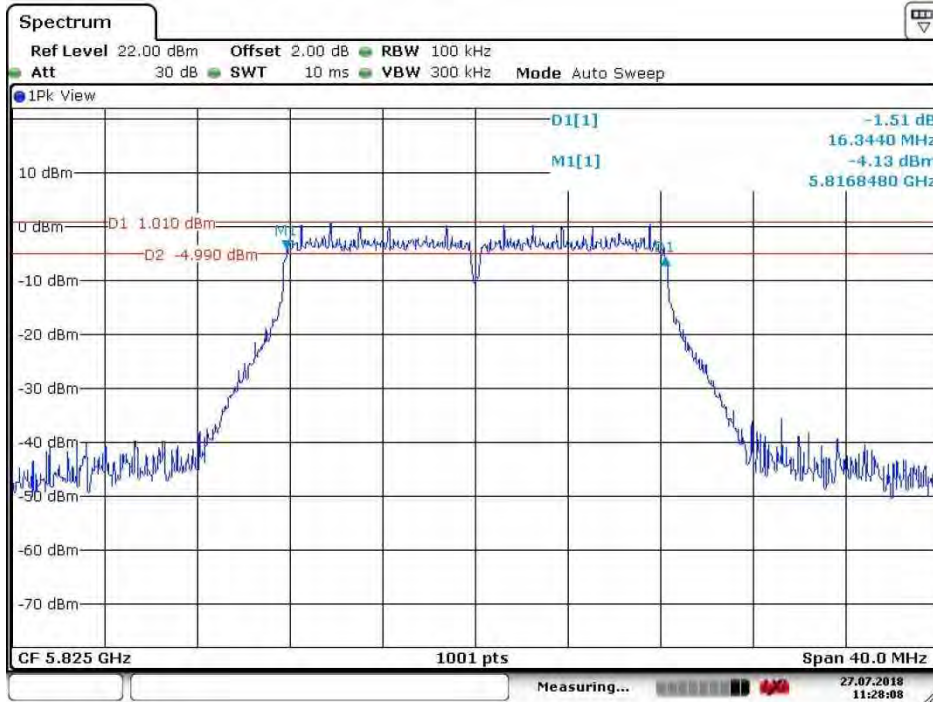
Date: 27 JUL 2018 11:28:46



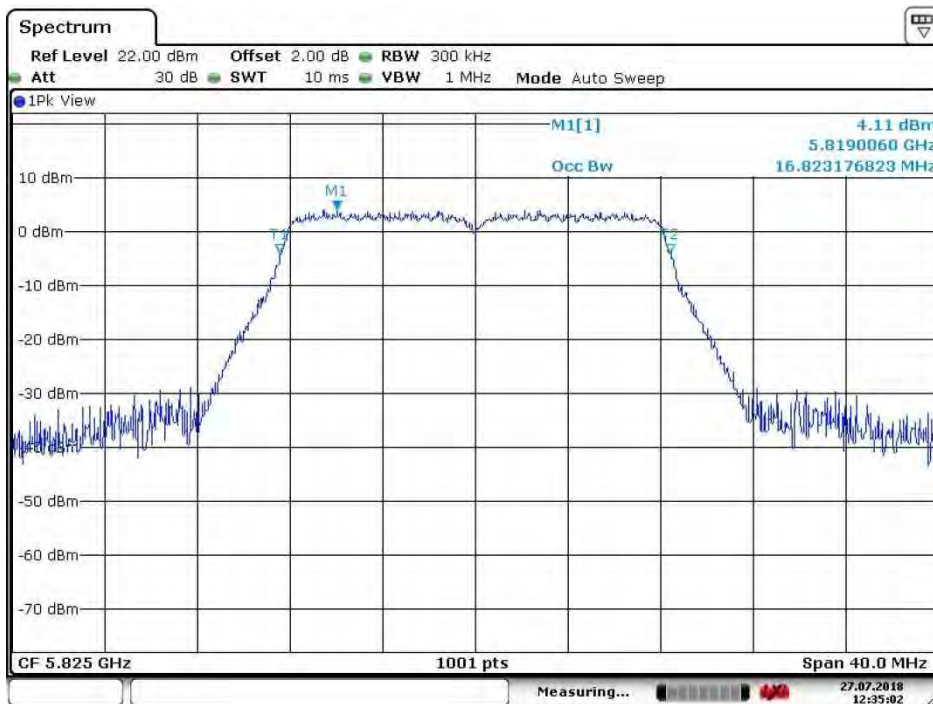
Date: 27 JUL 2018 12:34:17



5.5.1.1.3 11A20_165 ANT 1



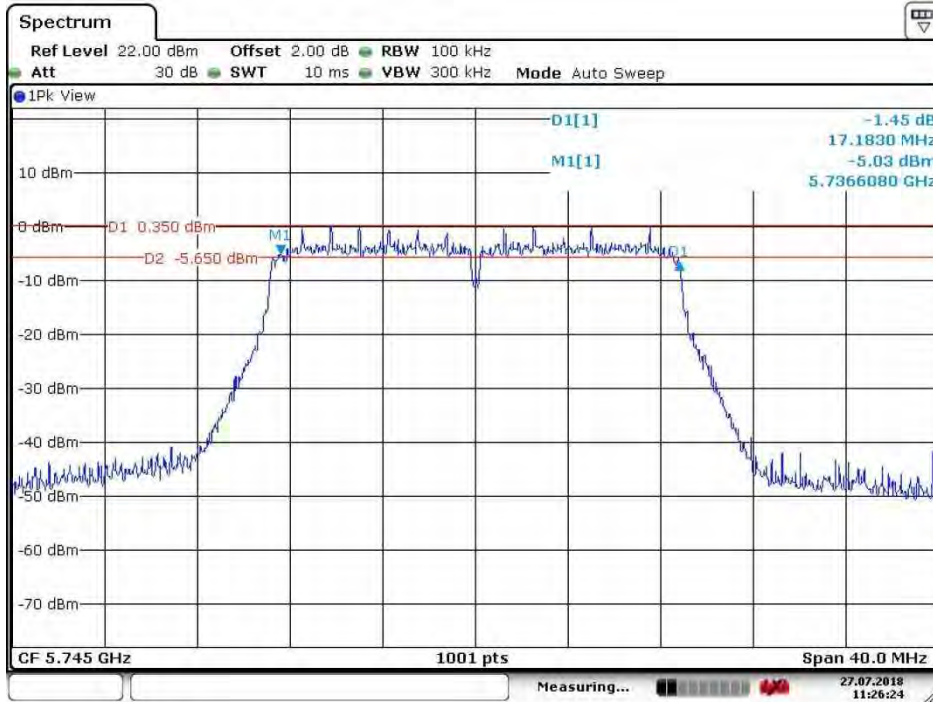
Date: 27 JUL 2018 11:28:09



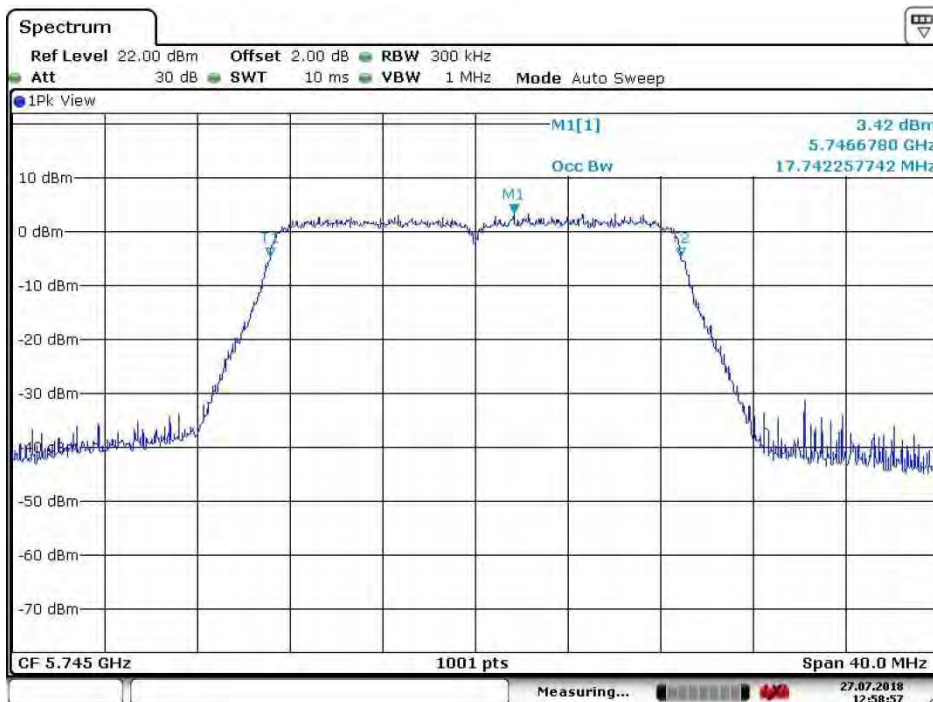
Date: 27 JUL 2018 12:35:02



5.5.1.1.4 11N20_149 ANT 1



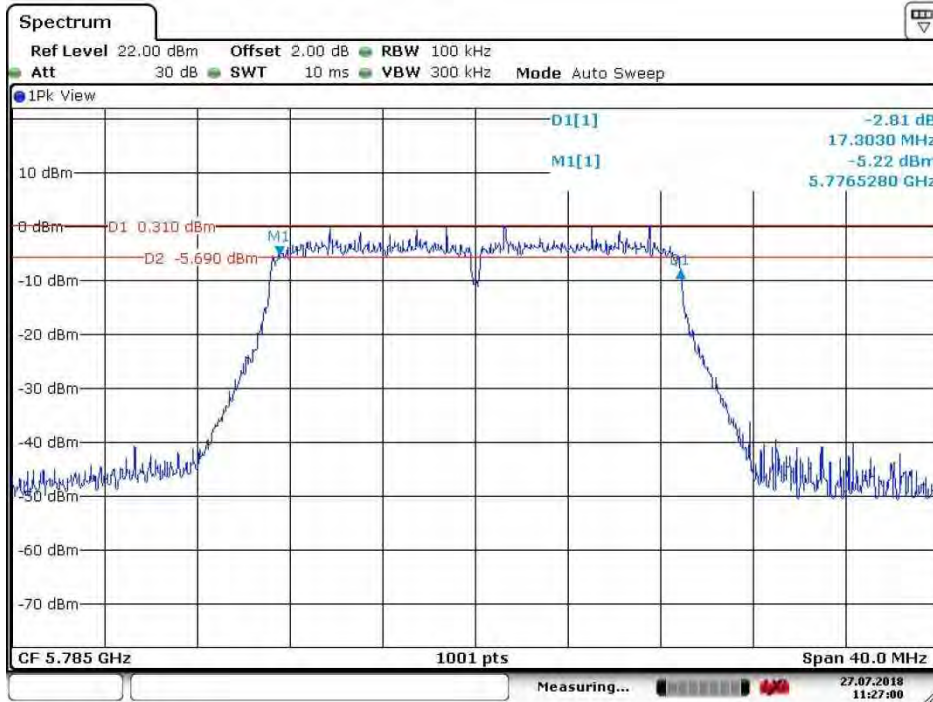
Date: 27 JUL 2018 11:26:24



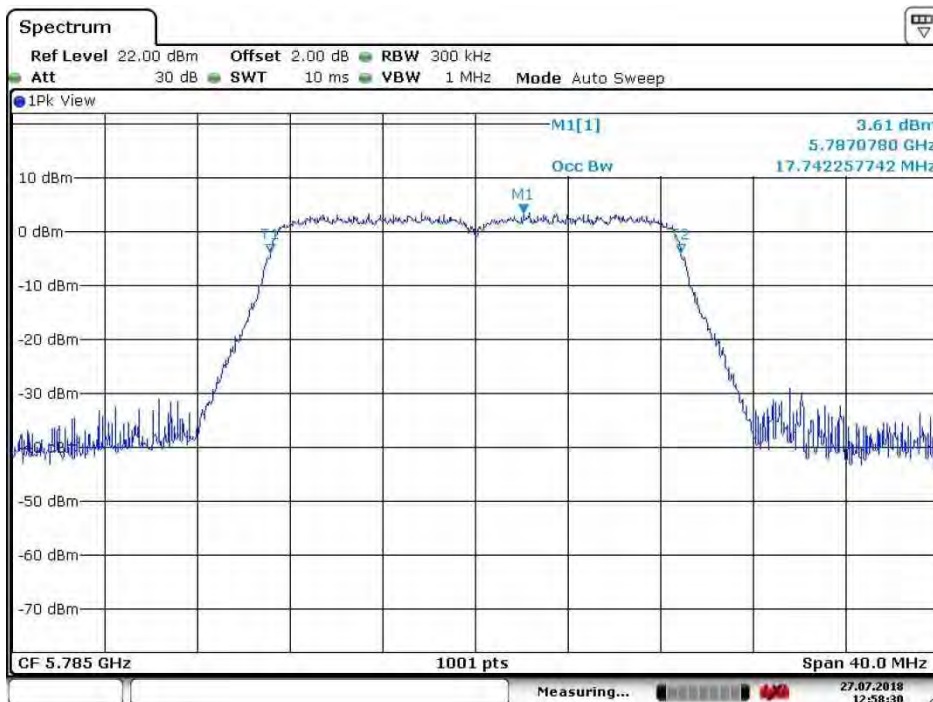
Date: 27 JUL 2018 12:58:58



5.5.1.1.5 11N20_157 ANT 1



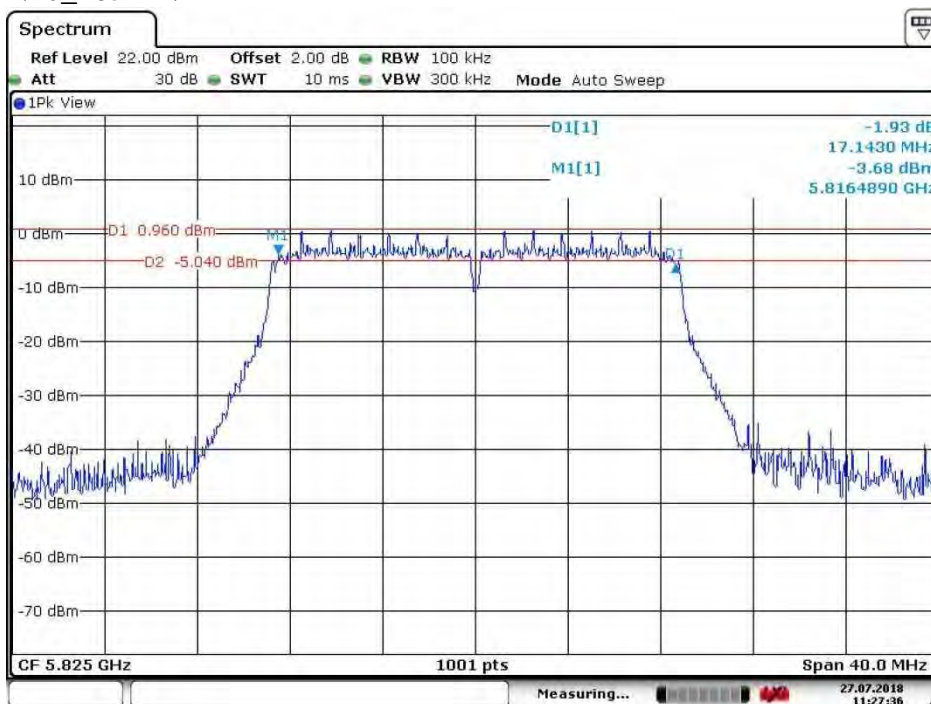
Date: 27 JUL 2018 11:27:00



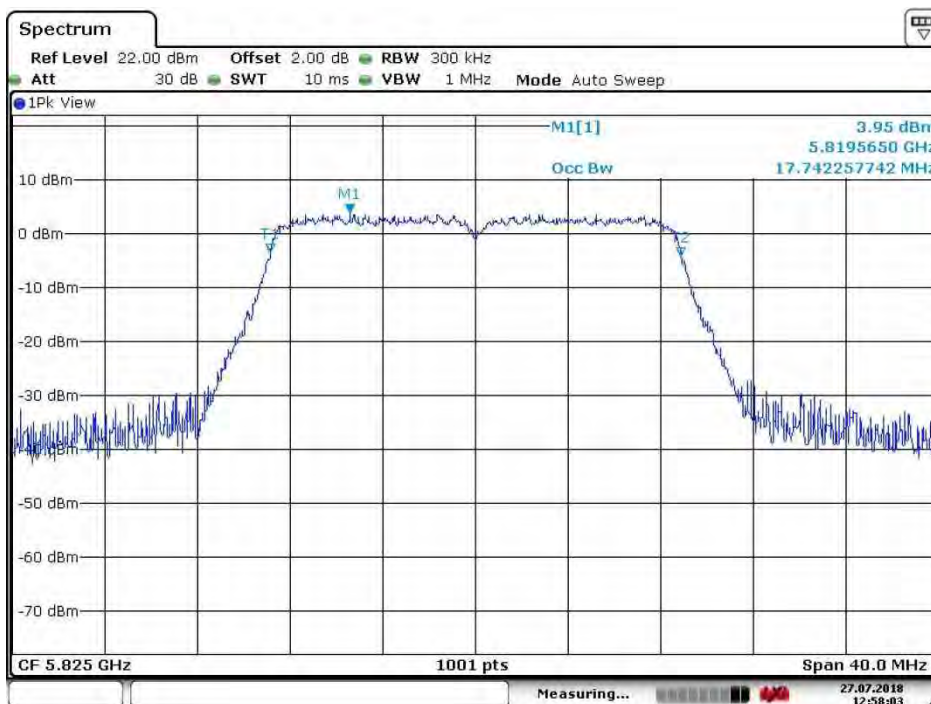
Date: 27 JUL 2018 12:58:31



5.5.1.1.6 11N20_165 ANT 1



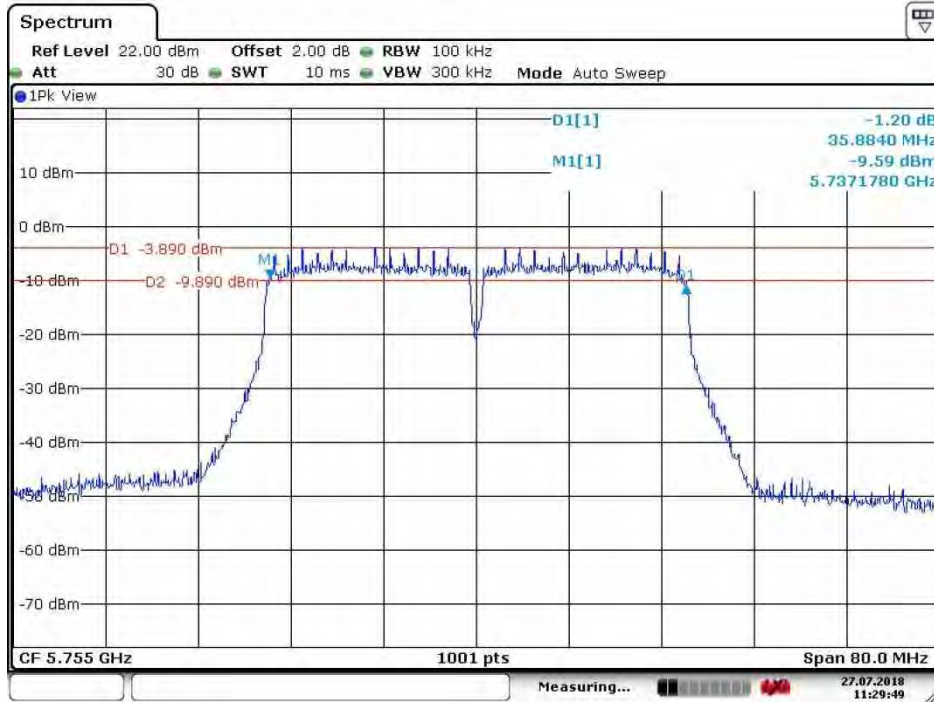
Date: 27 JUL 2018 11:27:36



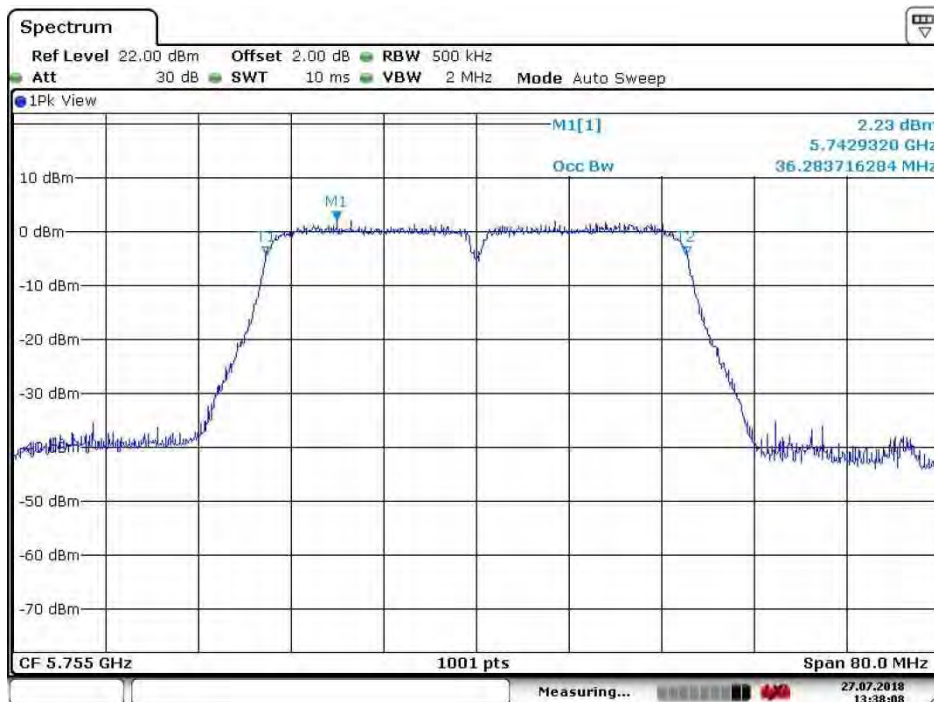
Date: 27 JUL 2018 12:58:03



5.5.1.1.7 11N40_151 ANT 1



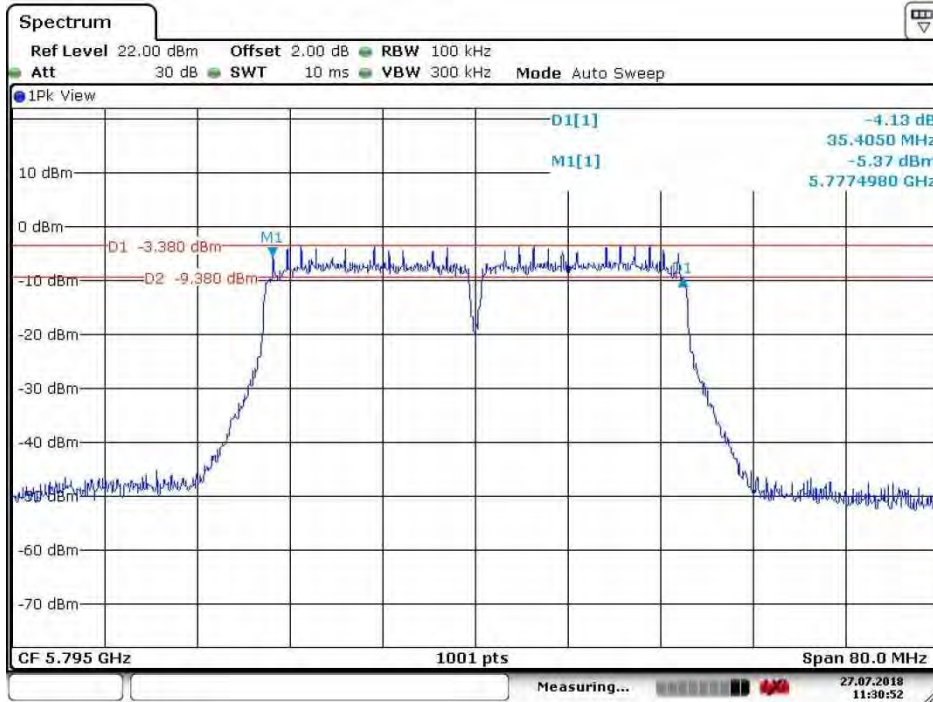
Date: 27 JUL 2018 11:29:49



Date: 27 JUL 2018 13:38:08



5.5.1.1.8 11N40_159 ANT 1



Date: 27 JUL 2018 11:30:53



Date: 27 JUL 2018 13:38:43