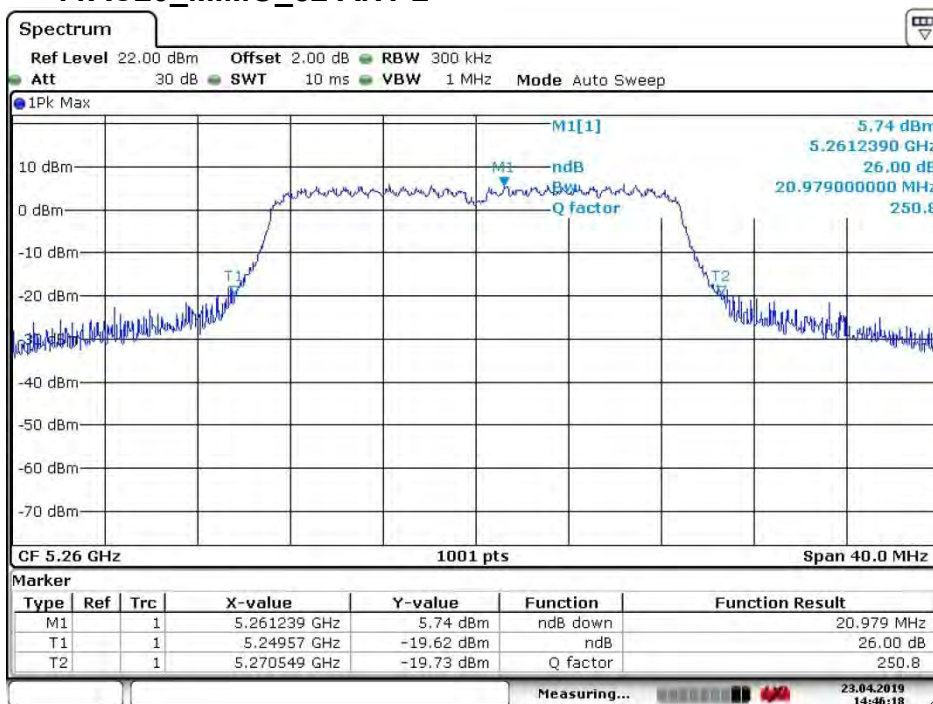
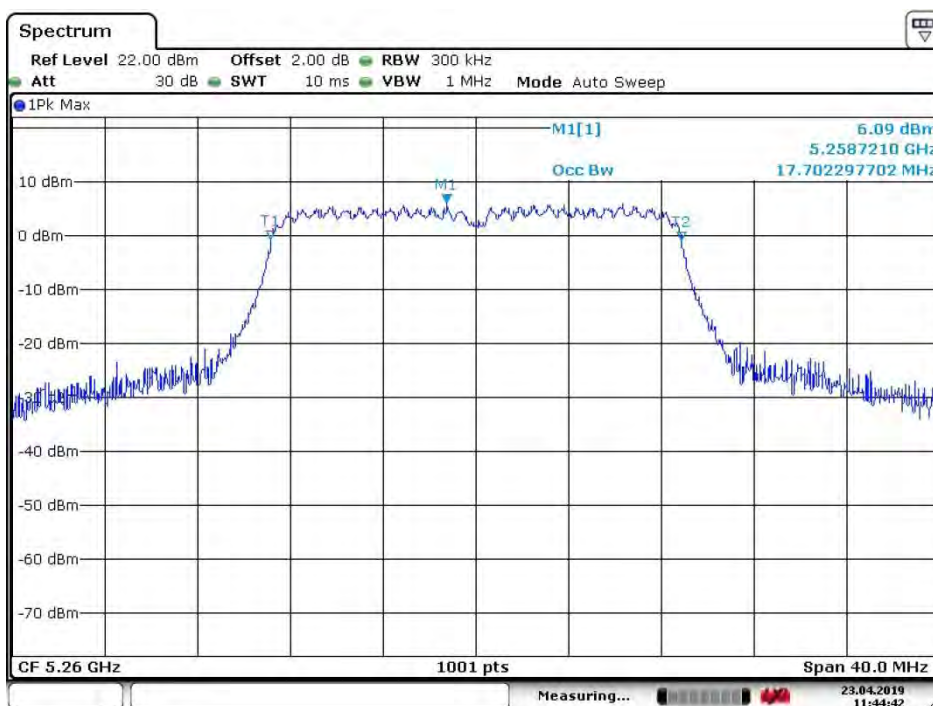


4.5.2.170

11AC20_MIMO_52 ANT 2



Date: 23.APR.2019 14:46:18

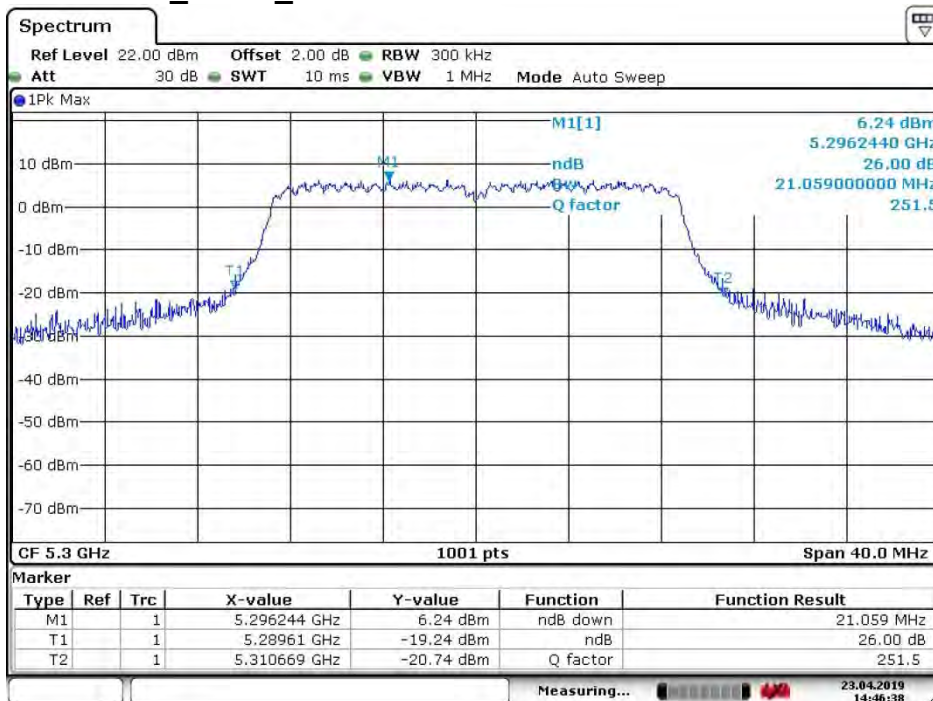


Date: 23.APR.2019 11:44:42

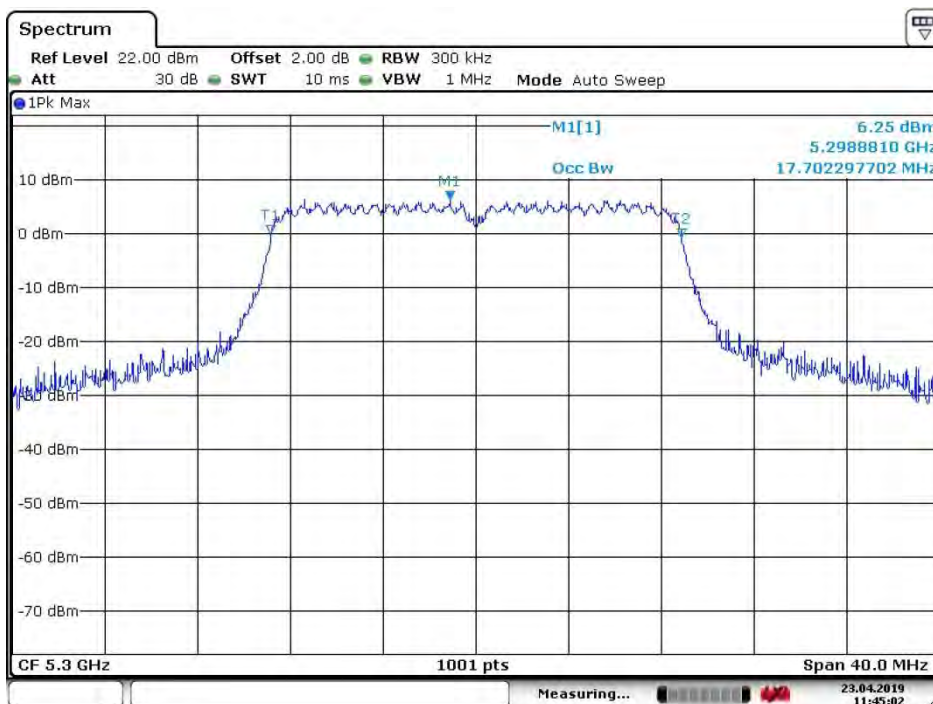


4.5.2.171

11AC20_MIMO_60 ANT 2



Date: 23.APR.2019 14:46:38

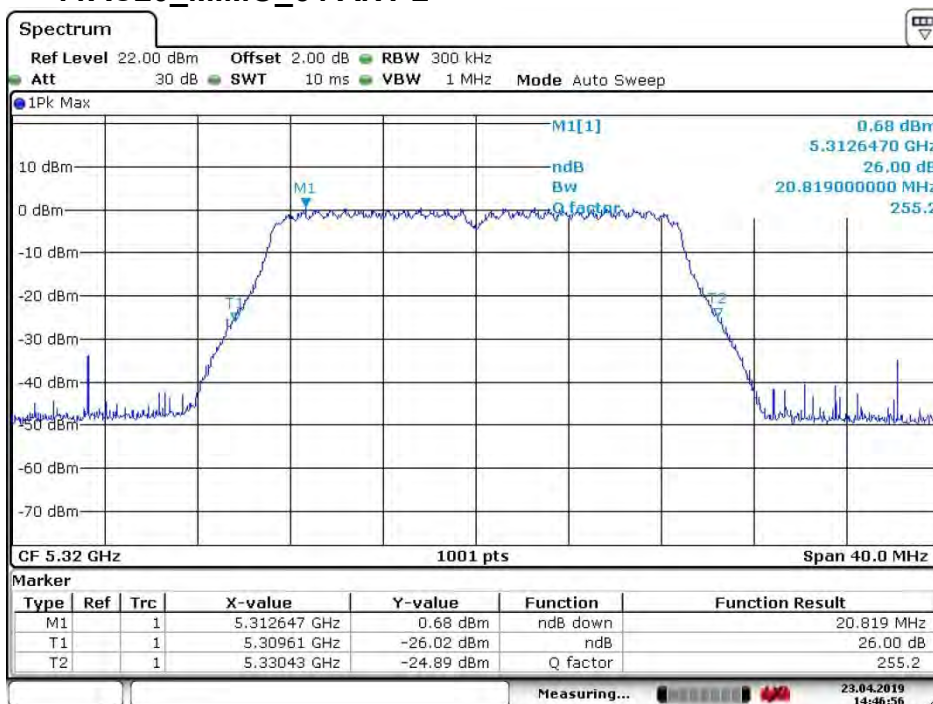


Date: 23.APR.2019 11:45:02

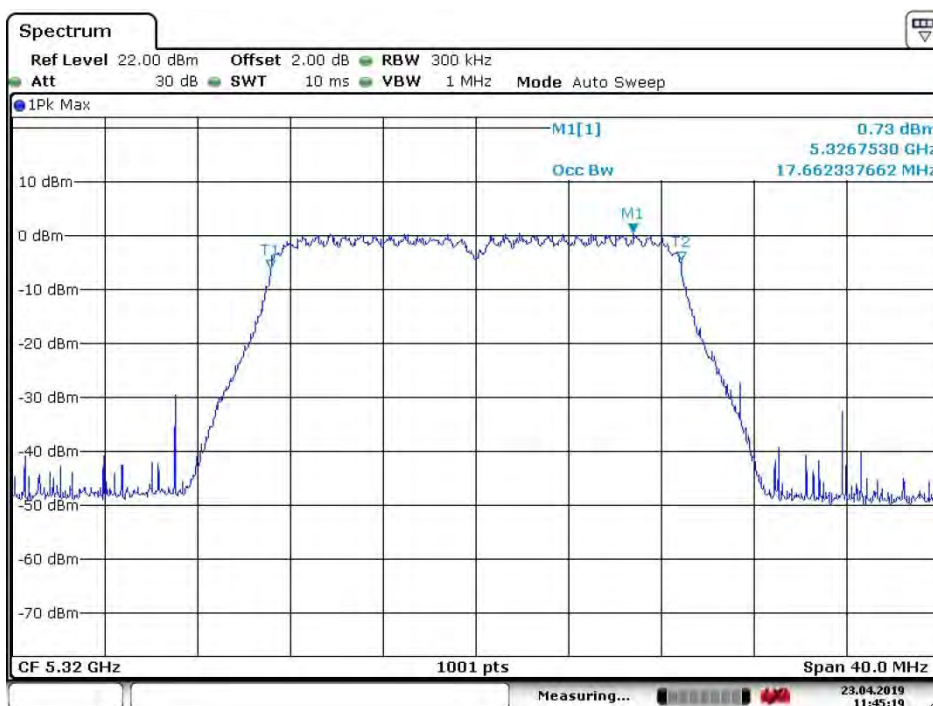


4.5.2.172

11AC20_MIMO_64 ANT 2



Date: 23.APR.2019 14:46:56

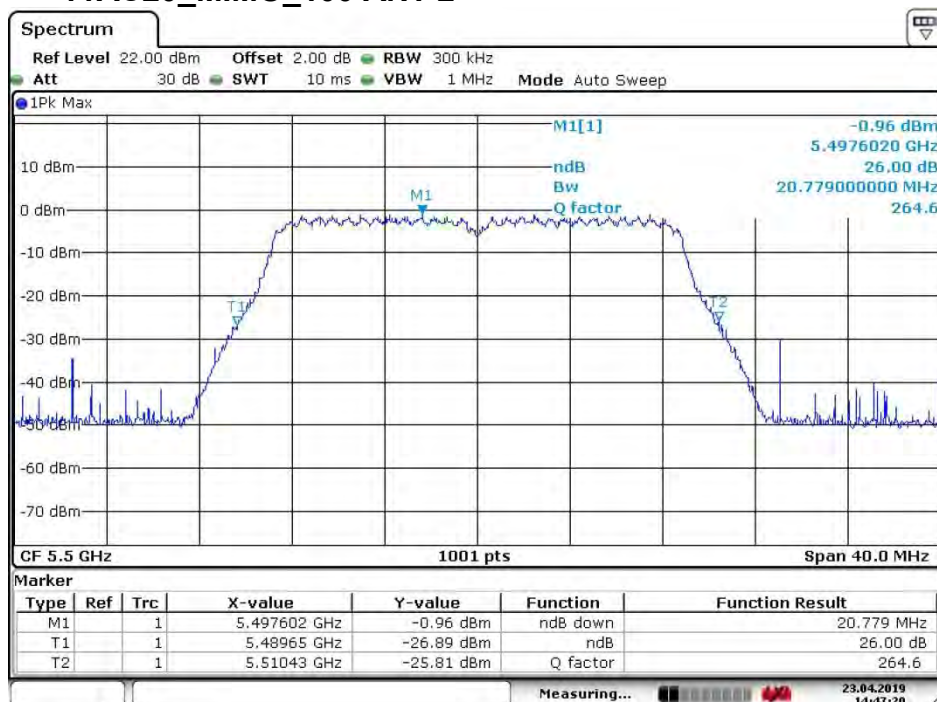


Date: 23.APR.2019 11:45:19

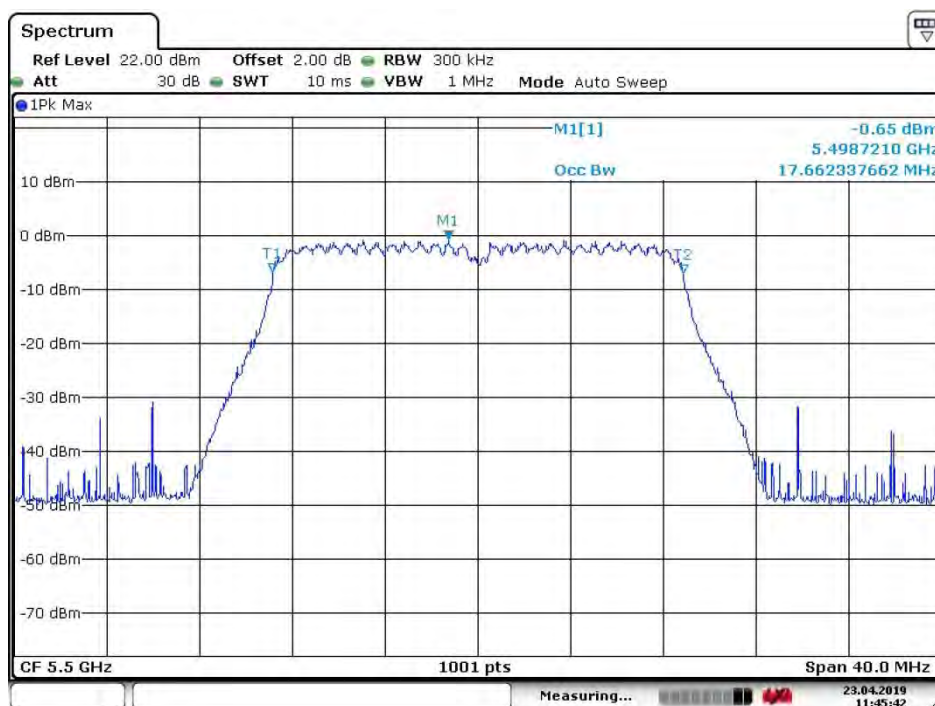


4.5.2.173

11AC20_MIMO_100 ANT 2



Date: 23.APR.2019 14:47:20

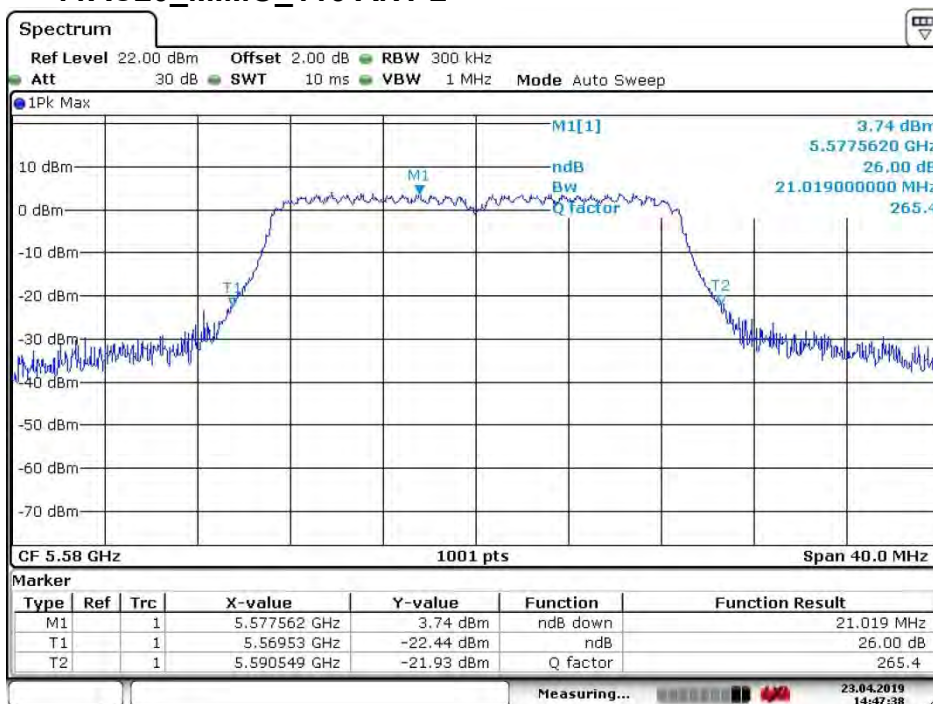


Date: 23.APR.2019 11:45:42

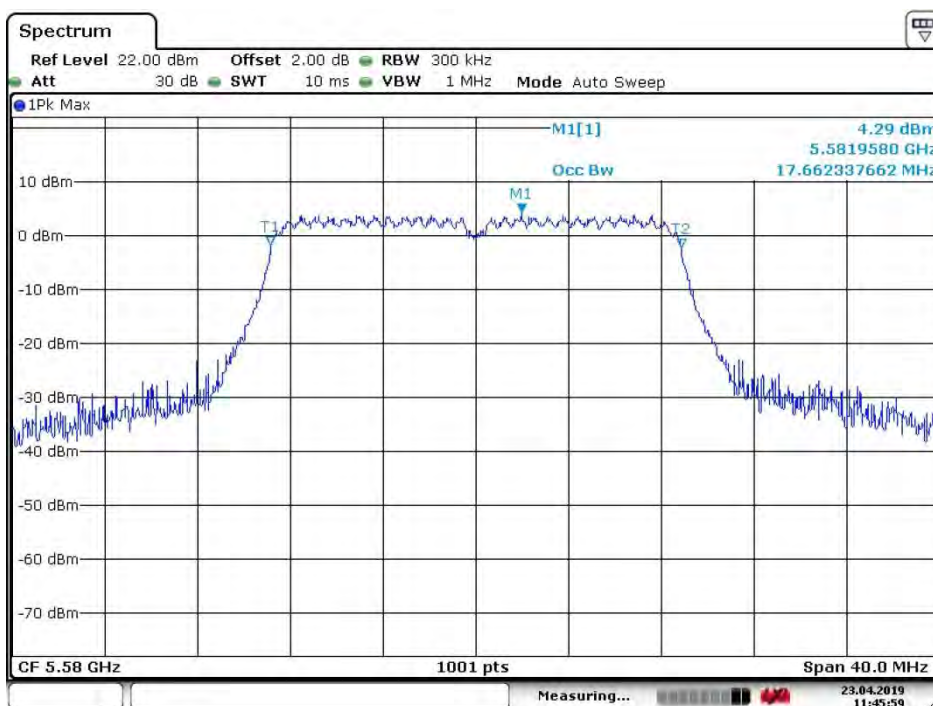


4.5.2.174

11AC20_MIMO_116 ANT 2



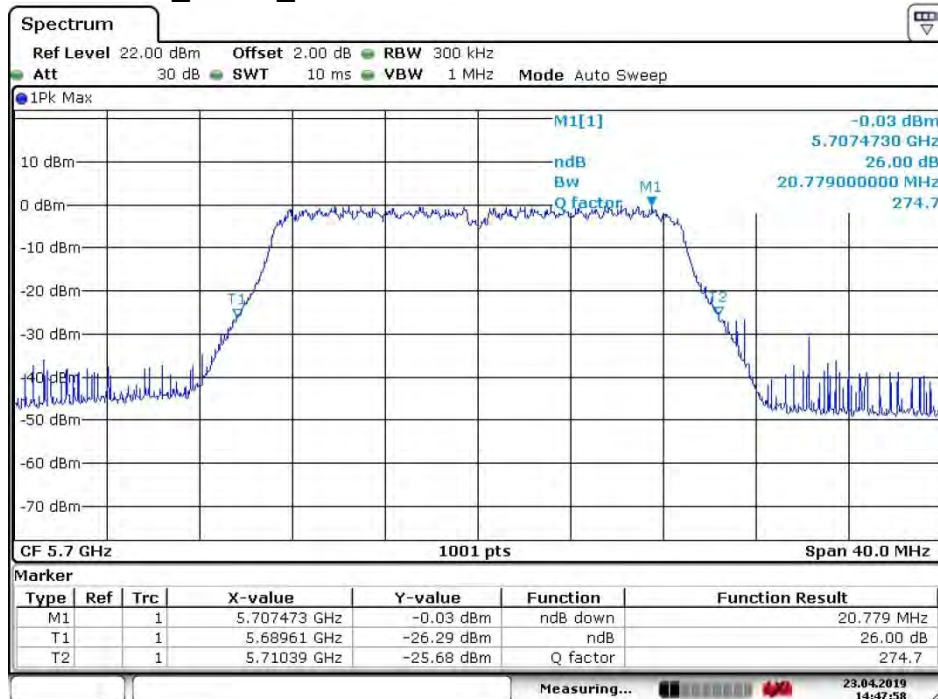
Date: 23.APR.2019 14:47:39



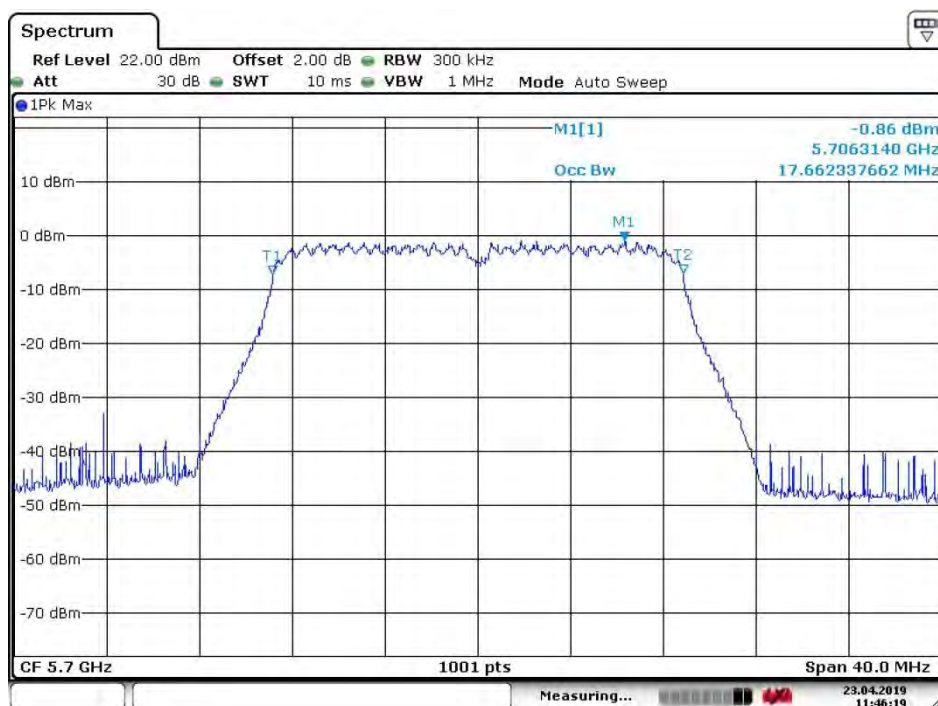
Date: 23.APR.2019 11:45:59



4.5.2.175 11AC20_MIMO_140 ANT 2



Date: 23.APR.2019 14:47:58



Date: 23.APR.2019 11:46:19



4.5.2.176

11AC40_MIMO_38 ANT 2



Date: 23.APR.2019 14:57:27

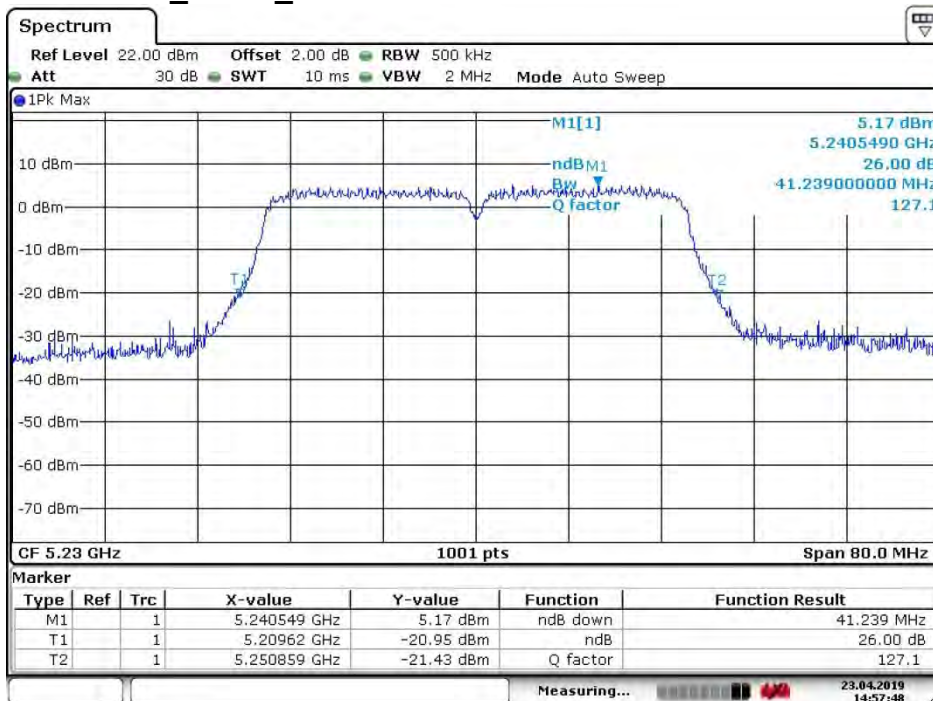


Date: 23.APR.2019 12:17:45

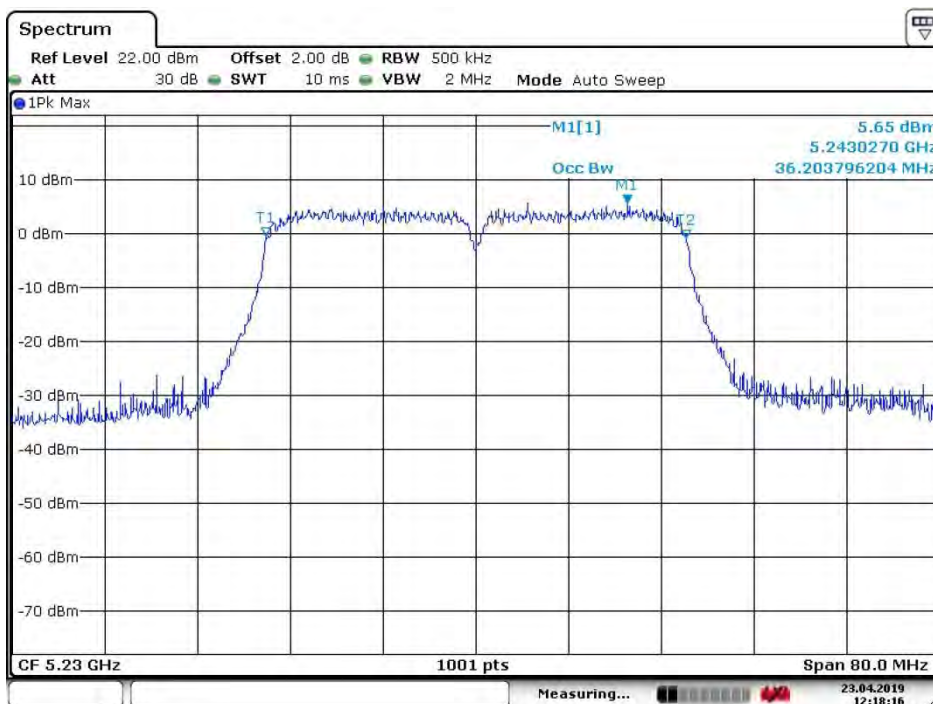


4.5.2.177

11AC40_MIMO_46 ANT 2



Date: 23.APR.2019 14:57:48

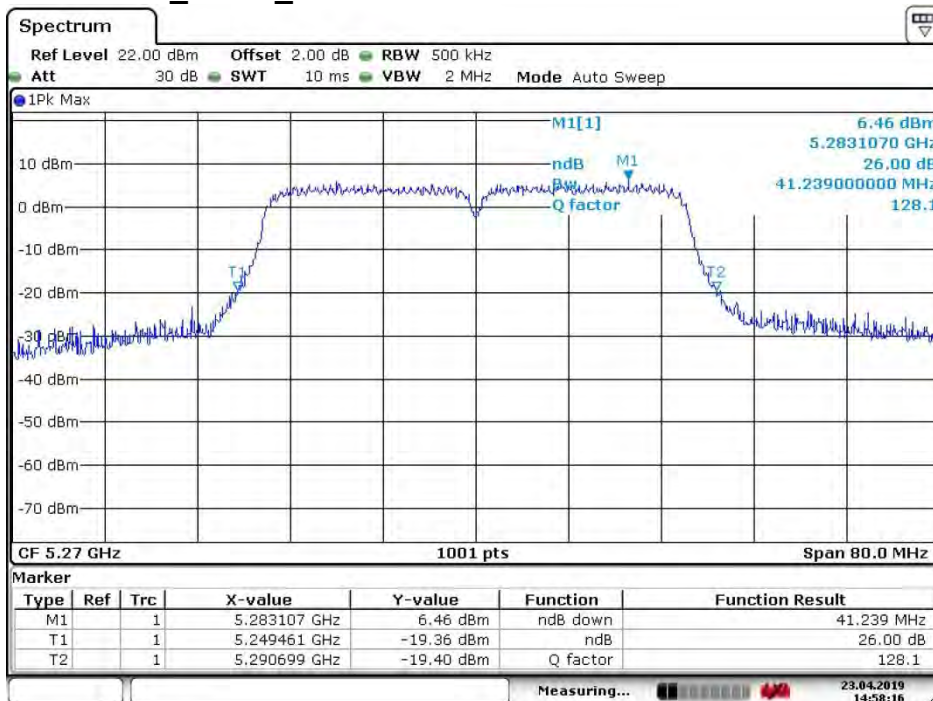


Date: 23.APR.2019 12:18:16

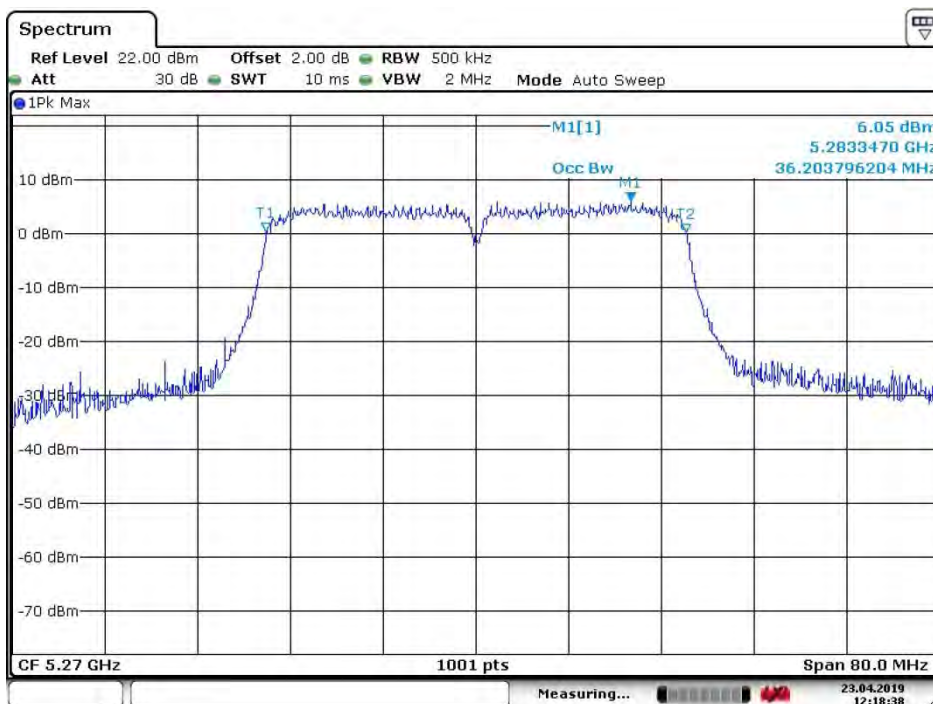


4.5.2.178

11AC40_MIMO_54 ANT 2



Date: 23.APR.2019 14:58:17

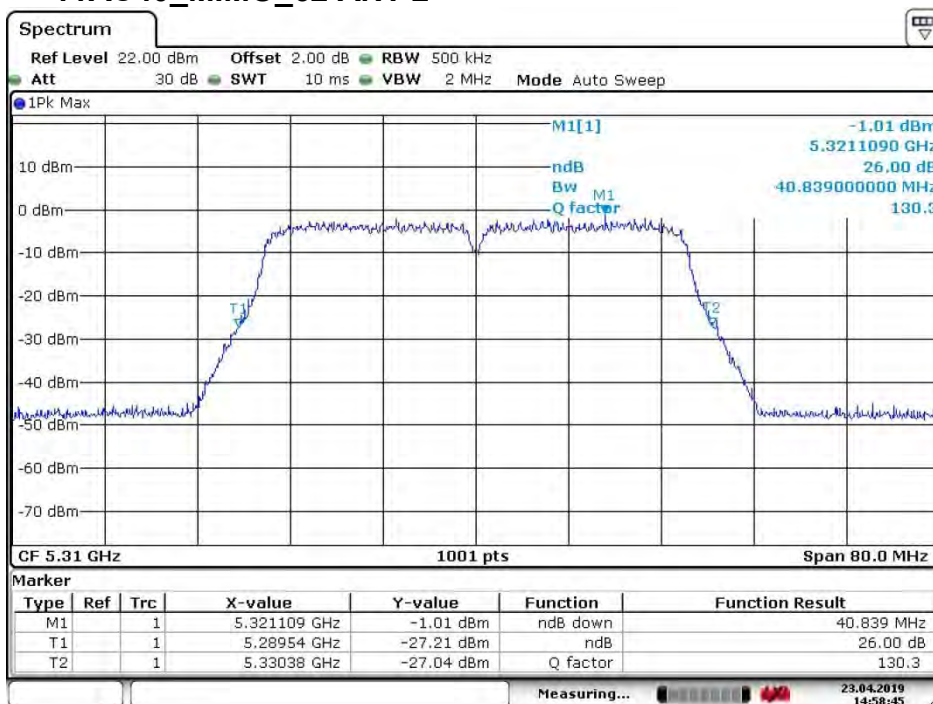


Date: 23.APR.2019 12:18:38

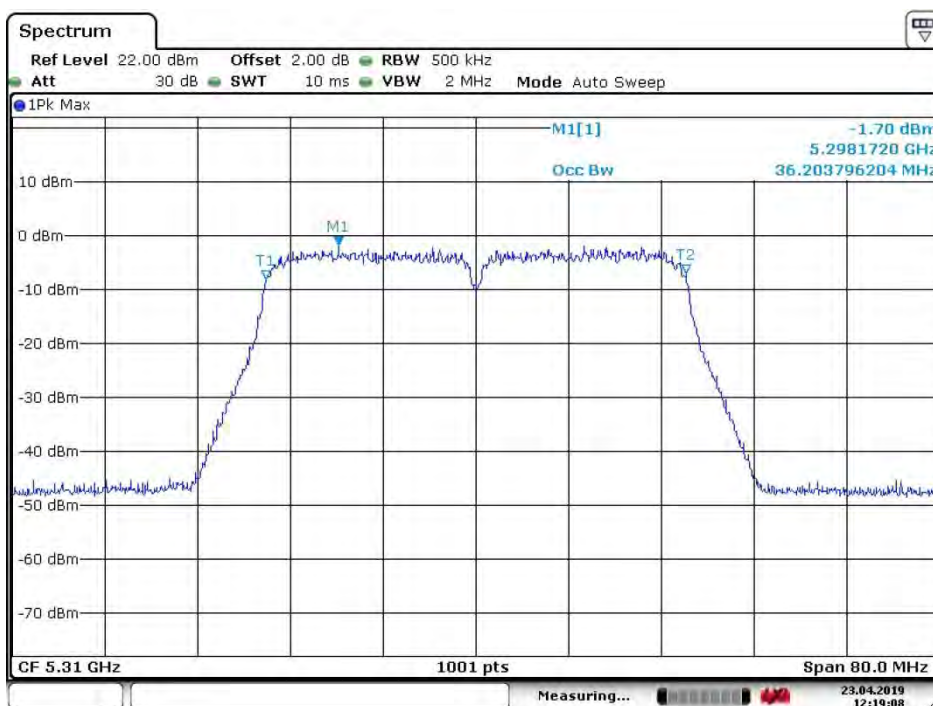


4.5.2.179

11AC40_MIMO_62 ANT 2



Date: 23.APR.2019 14:58:45



Date: 23.APR.2019 12:19:09

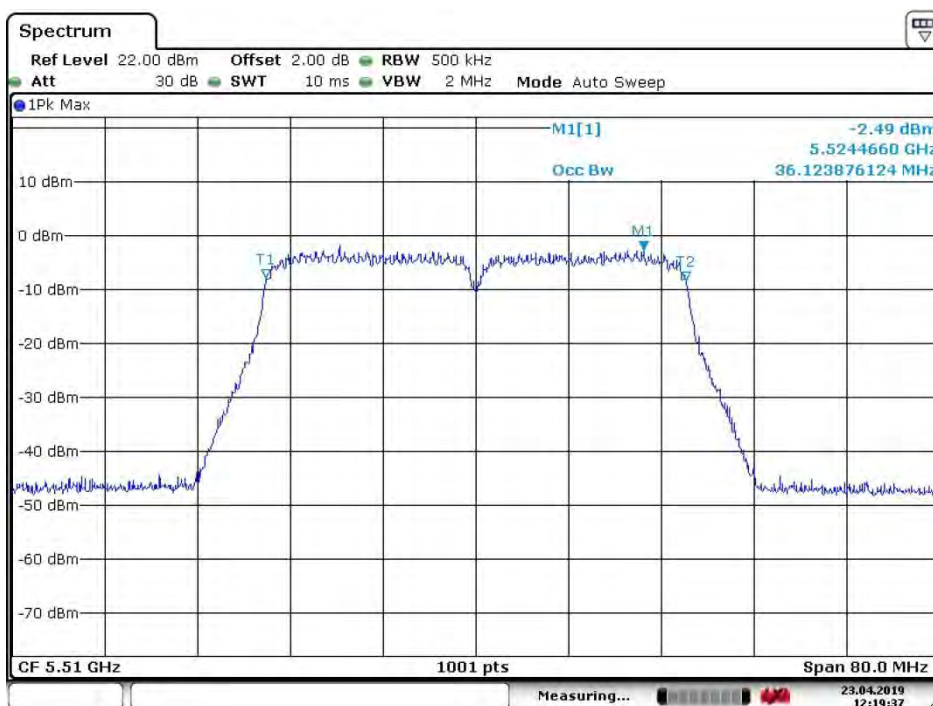


4.5.2.180

11AC40_MIMO_102 ANT 2



Date: 23.APR.2019 14:59:17

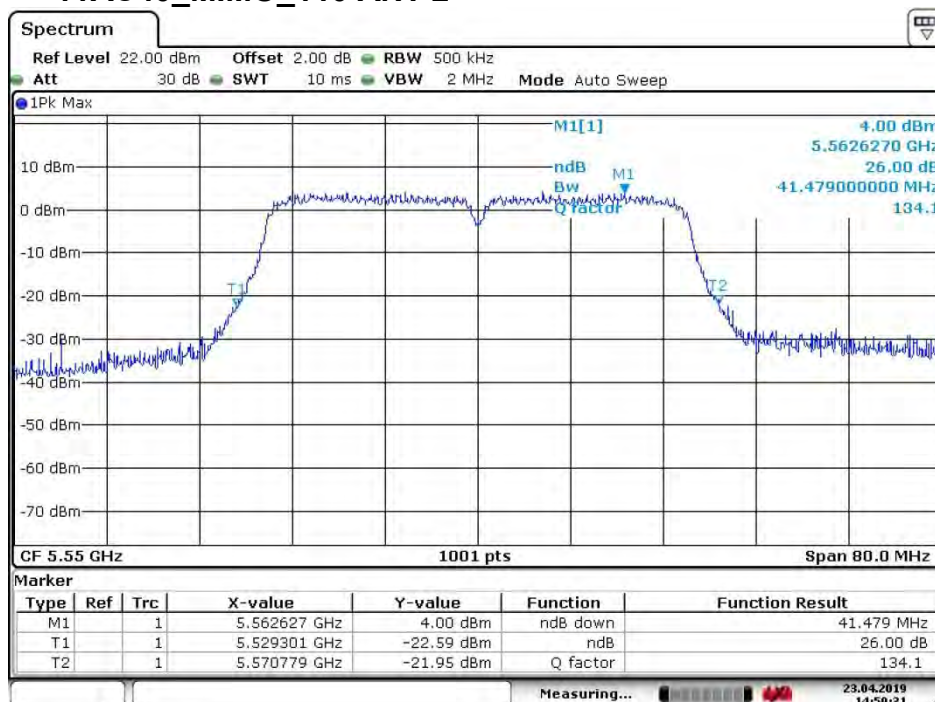


Date: 23.APR.2019 12:19:37

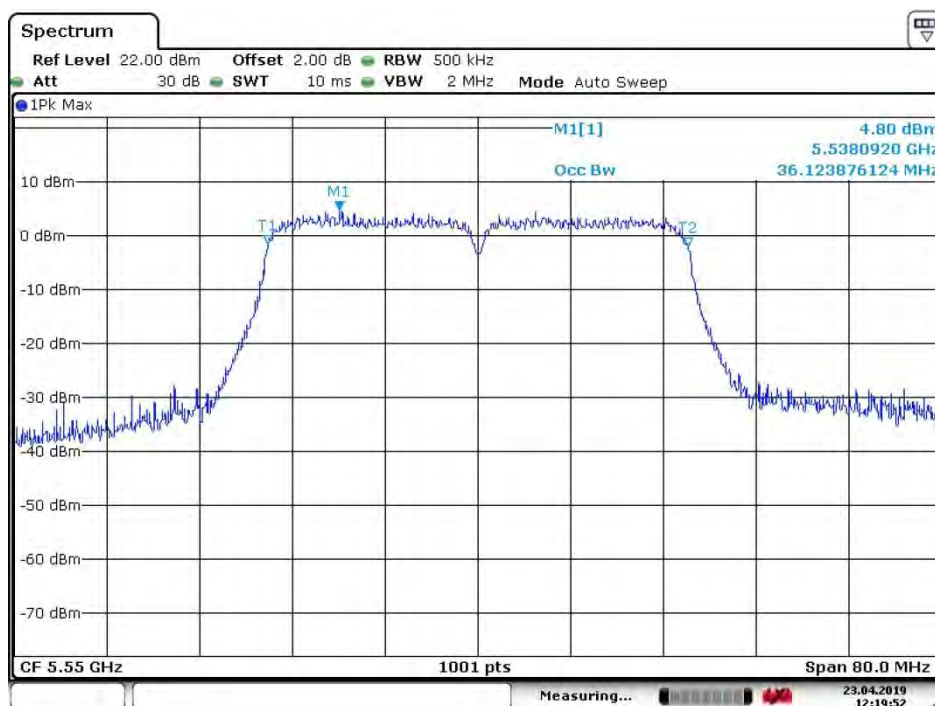


4.5.2.181

11AC40_MIMO_110 ANT 2



Date: 23.APR.2019 14:59:32

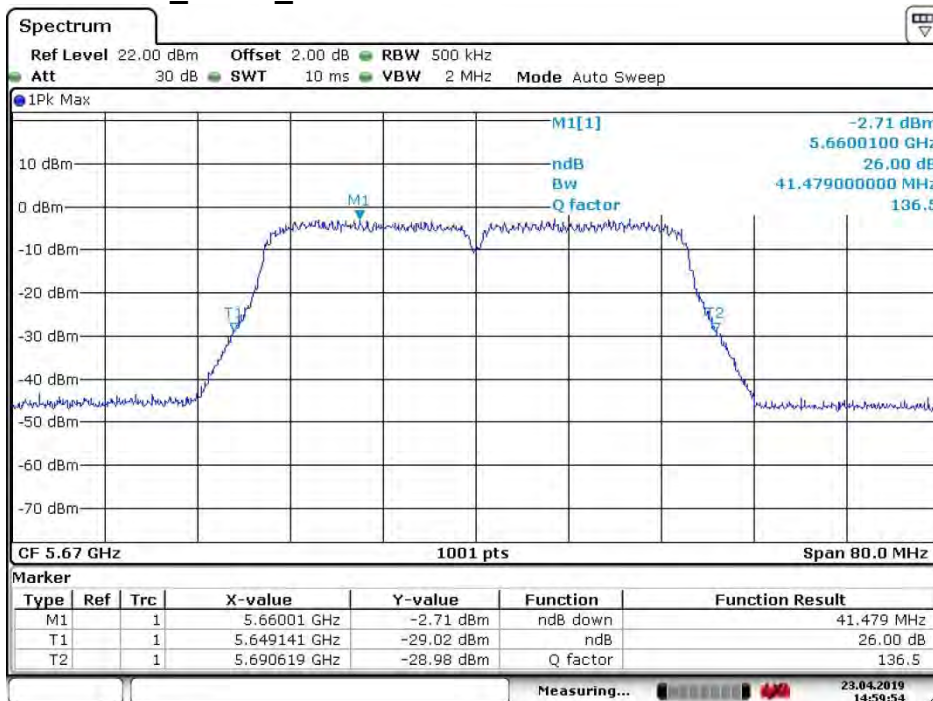


Date: 23.APR.2019 12:19:53

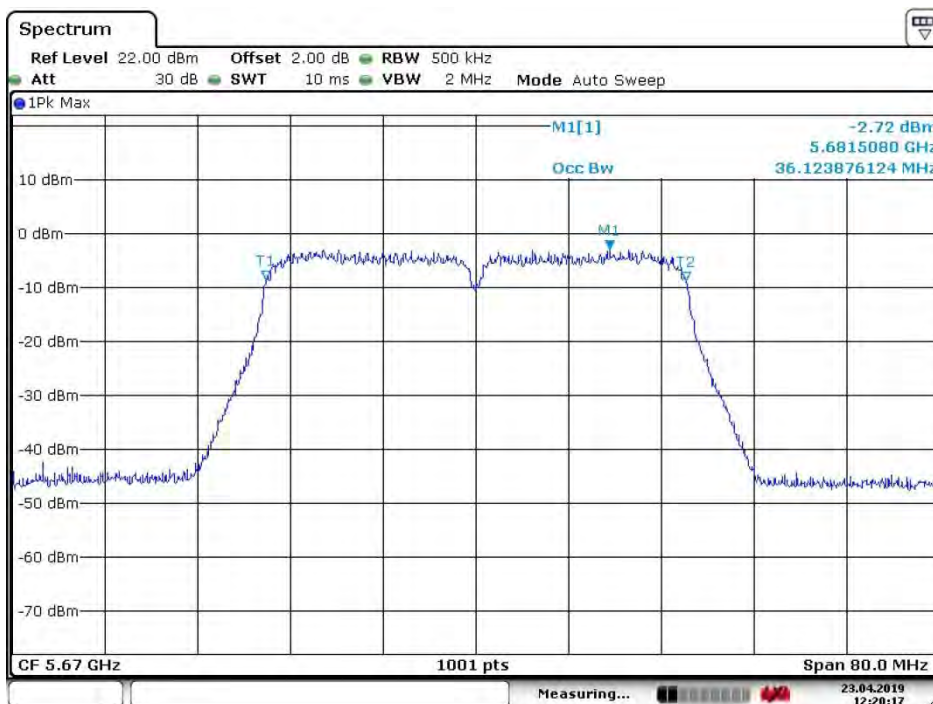


4.5.2.182

11AC40_MIMO_134 ANT 2



Date: 23.APR.2019 14:59:54



Date: 23.APR.2019 12:20:17

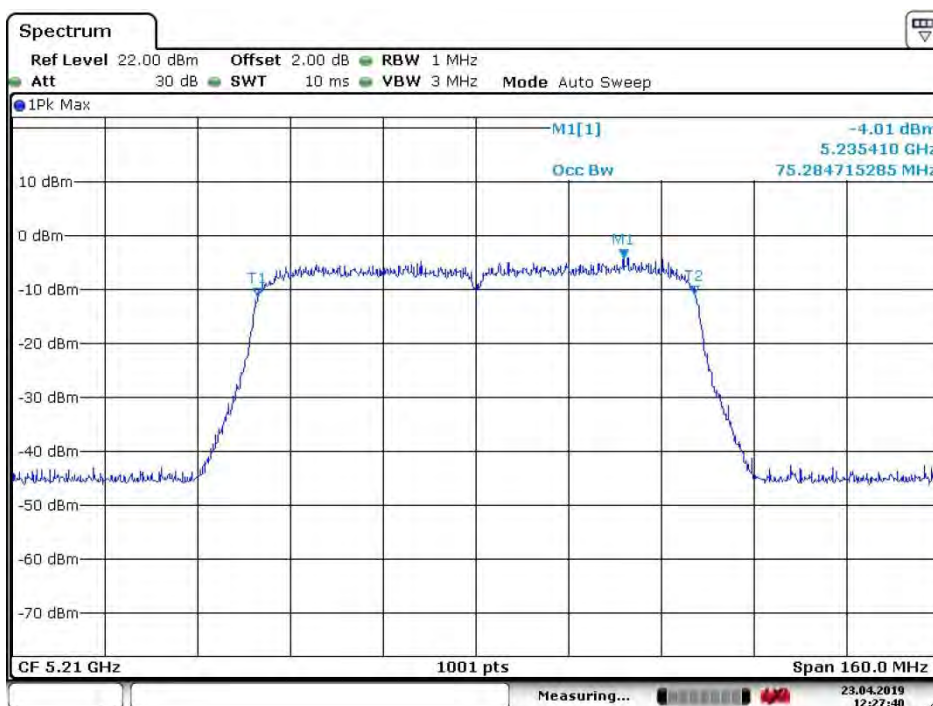


4.5.2.183

11AC80_MIMO_42 ANT 2



Date: 23.APR.2019 15:05:18



Date: 23.APR.2019 12:27:41

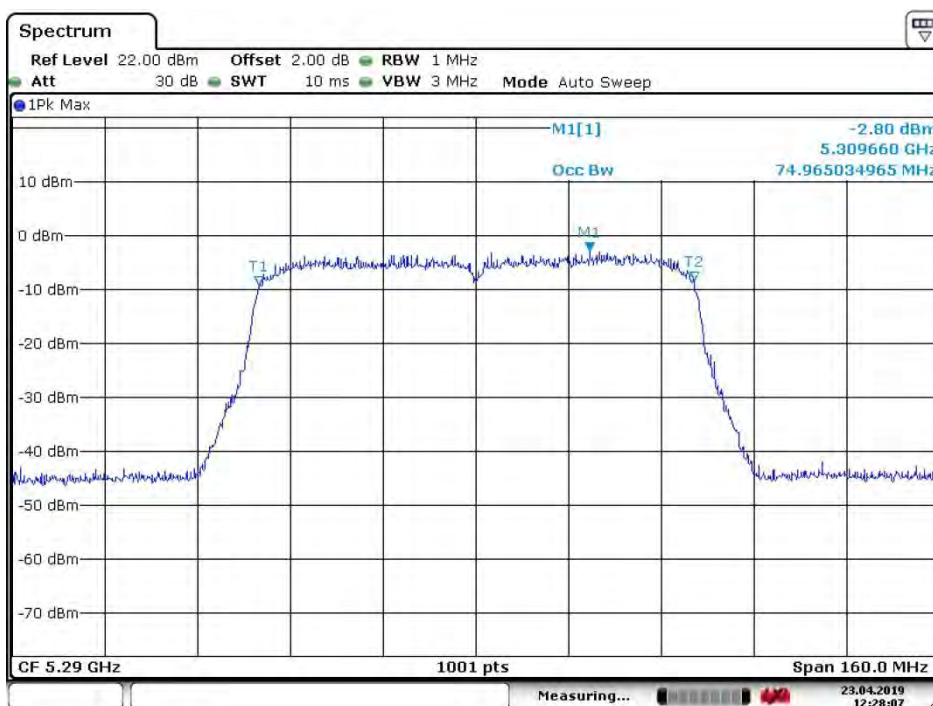


4.5.2.184

11AC80_MIMO_58 ANT 2



Date: 23.APR.2019 15:05:39



Date: 23.APR.2019 12:28:08

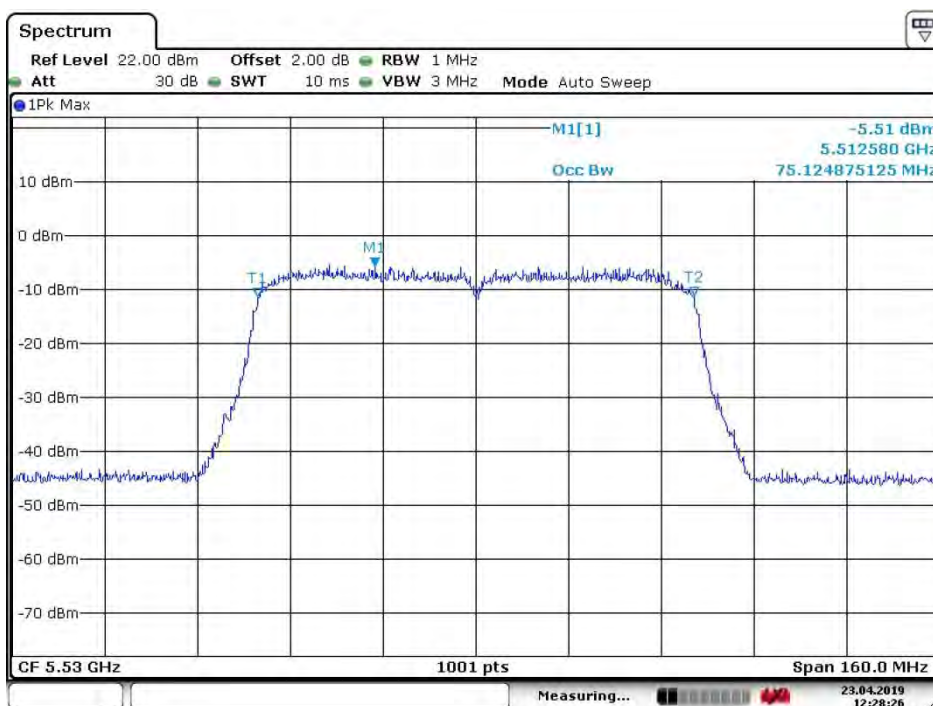


4.5.2.185

11AC80_MIMO_106 ANT 2



Date: 23.APR.2019 15:06:04

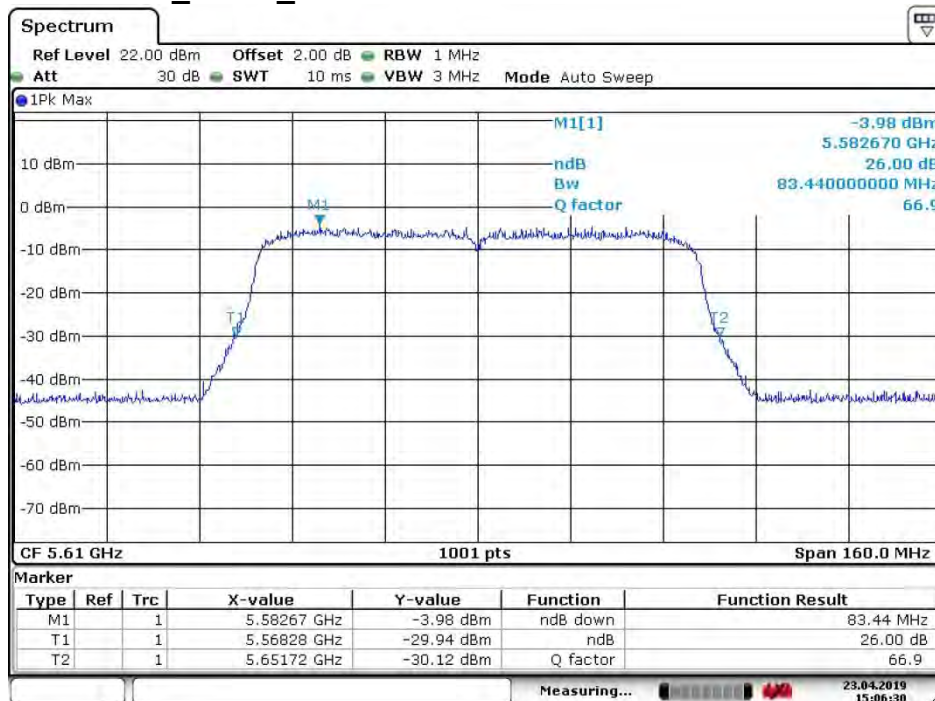


Date: 23.APR.2019 12:28:27

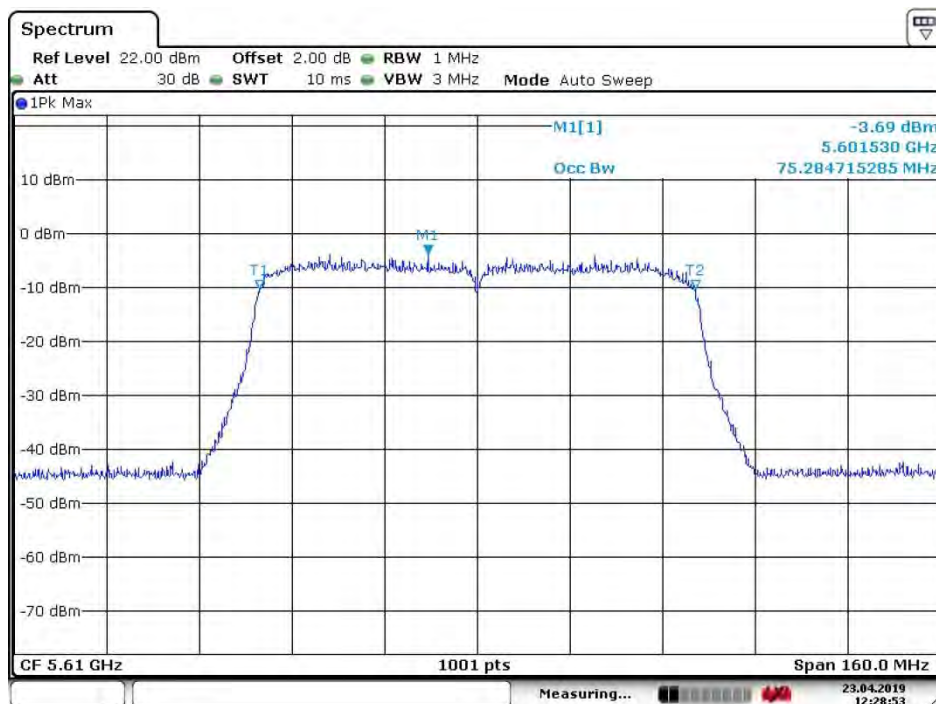


4.5.2.186

11AC80_MIMO_122 ANT 2



Date: 23 APR 2019 15:06:31

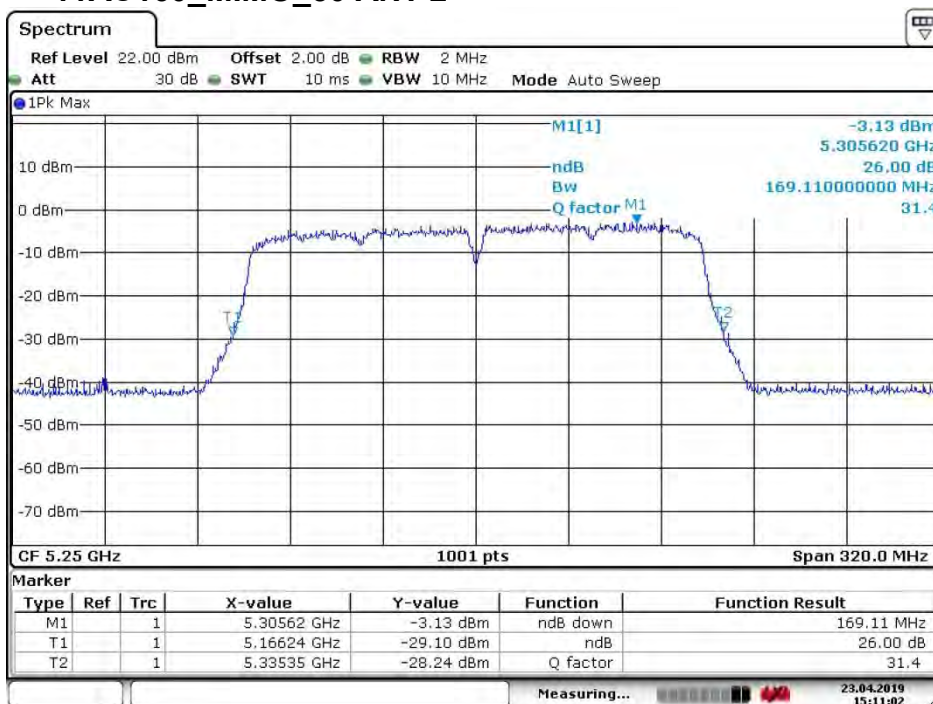


Date: 23 APR 2019 12:28:54

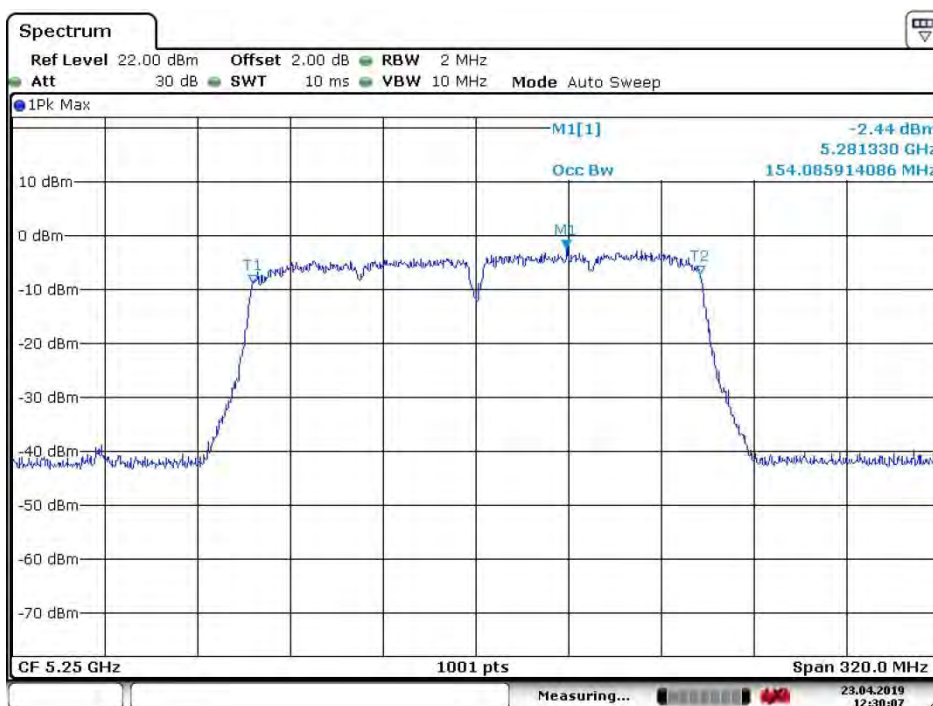


4.5.2.187

11AC160_MIMO_50 ANT 2



Date: 23.APR.2019 15:11:02



Date: 23.APR.2019 12:30:06

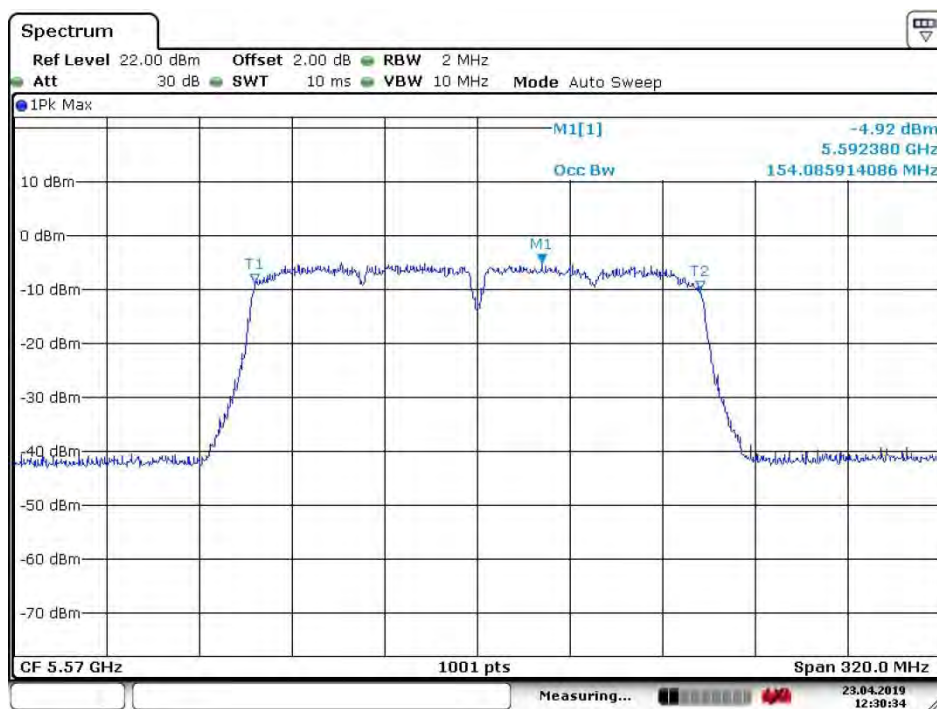


4.5.2.188

11AC160_MIMO_114 ANT 2



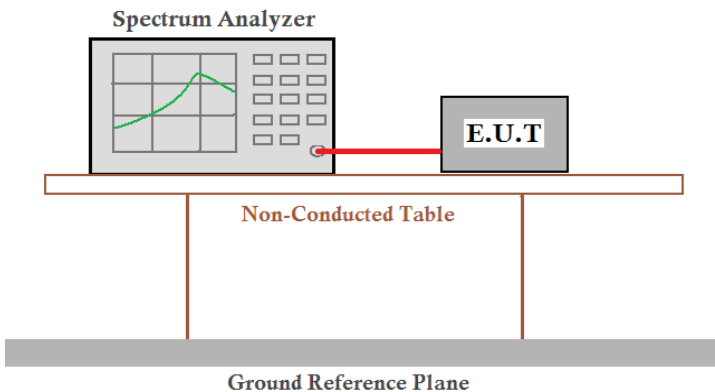
Date: 23.APR.2019 15:11:20



Date: 23.APR.2019 12:30:34



4.6 6dB Emission Bandwidth & 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:	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); MCSAC0 of rate is the worst case of 802.11ac(HT20); MCSAC0 of rate is the worst case of 802.11ac(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT80); MCSAC0 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	





Test Mode	Test Channel	Frequency [MHz]	ANT 1		ANT 2		Verdict
			6dB EBW [MHz]	OBW [MHz]	6dB EBW [MHz]	OBW [MHz]	
11A20	149	5745	16.38	16.86	16.42	16.86	PASS
	157	5785	16.34	16.94	16.38	17.02	PASS
	165	5825	16.38	16.94	16.38	17.18	PASS
11N20	149	5745	17.18	17.78	17.26	17.78	PASS
	157	5785	17.30	17.78	17.22	17.86	PASS
	165	5825	17.14	17.82	17.22	17.94	PASS
11N40	151	5755	35.72	36.36	35.72	36.44	PASS
	159	5795	35.80	36.28	35.96	36.52	PASS
11AC20	149	5745	17.18	17.78	17.58	17.86	PASS
	157	5785	17.18	17.86	17.26	17.90	PASS
	165	5825	17.06	17.78	17.06	17.94	PASS
11AC40	151	5755	35.96	36.36	35.56	36.36	PASS
	159	5795	35.49	36.36	35.48	36.52	PASS
11AC80	155	5775	75.28	75.28	75.60	75.28	PASS
11A20 CDD	149	5745	16.38	16.86	16.38	16.66	PASS
	157	5785	16.38	16.86	16.38	16.70	PASS
	165	5825	16.38	16.82	16.38	16.66	PASS
11N20 MIMO	149	5745	17.34	17.74	17.34	17.62	PASS
	157	5785	17.10	17.82	17.38	17.66	PASS
	165	5825	17.22	17.70	17.58	17.62	PASS
11N40 MIMO	151	5755	35.88	36.36	36.36	36.12	PASS
	159	5795	35.88	36.44	36.96	36.20	PASS
11AC20 MIMO	149	5745	17.10	17.74	16.74	17.66	PASS
	157	5785	17.30	17.78	17.34	17.70	PASS
	165	5825	17.10	17.74	17.38	17.70	PASS
11AC40 MIMO	151	5755	35.88	36.36	36.04	36.20	PASS
	159	5795	35.88	36.36	35.72	36.28	PASS
11AC80 MIMO	155	5775	75.28	75.12	75.28	75.12	PASS

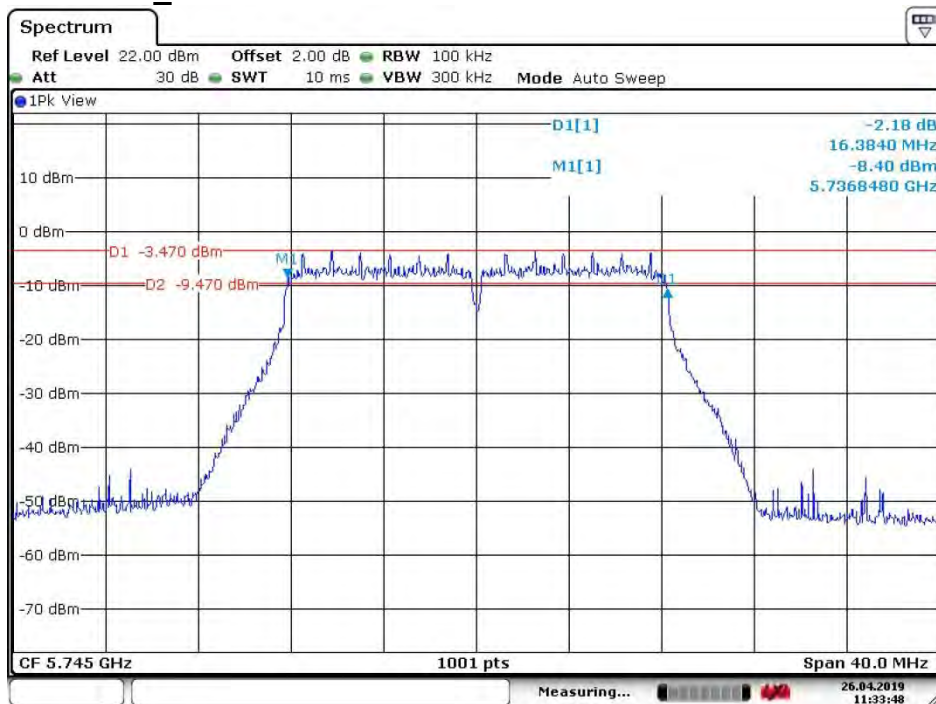


4.6.1

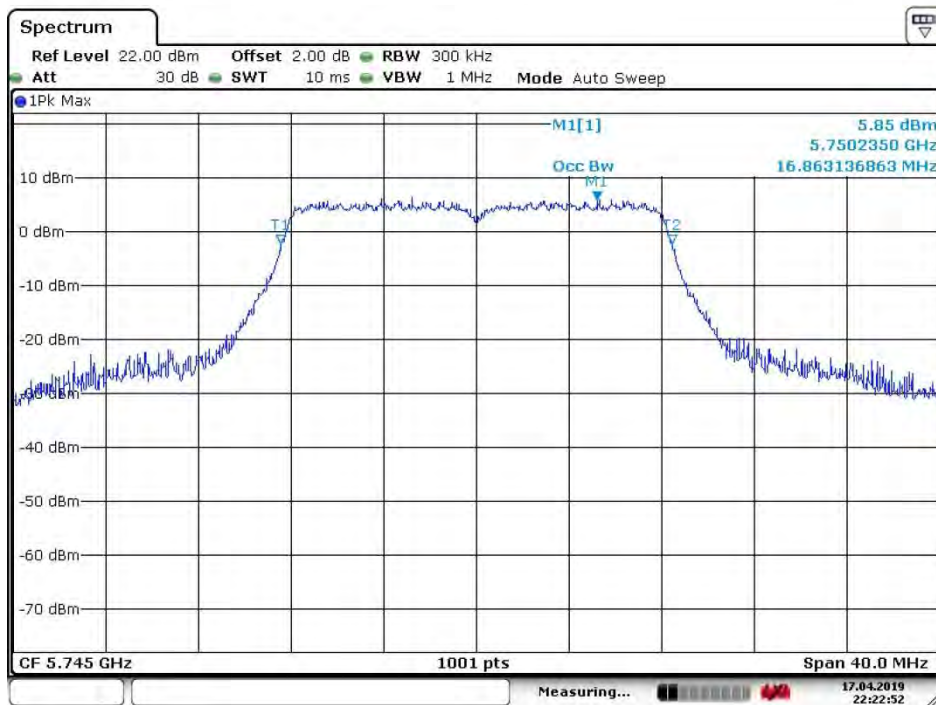
Plots for 6dB Emission Bandwidth & 99% Occupied Bandwidth

4.6.1.1

11A20_149 ANT 1



Date: 26.APR 2019 11:33:48

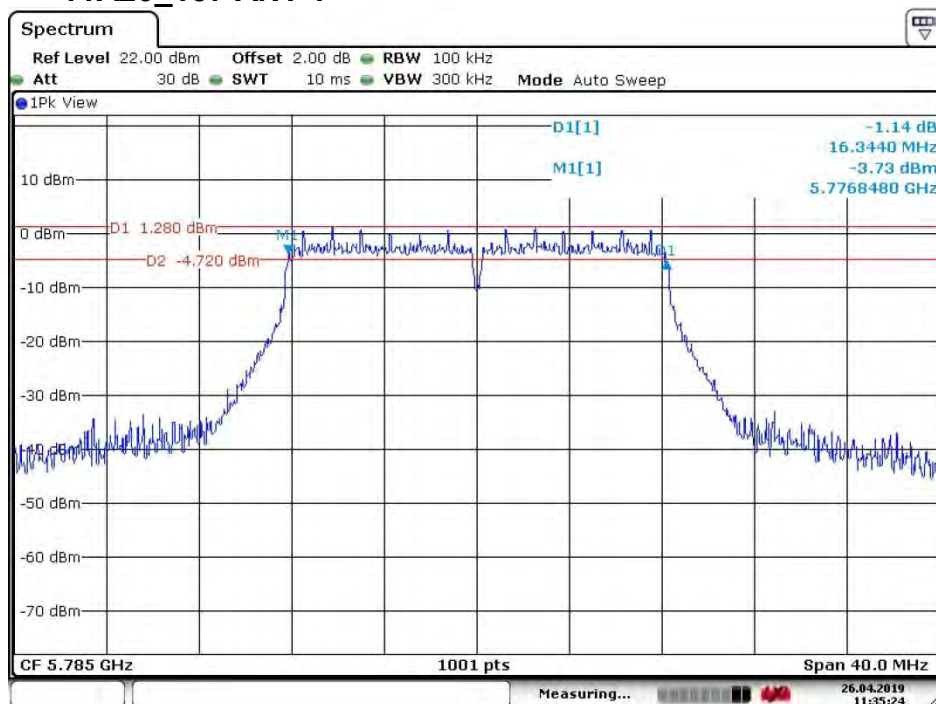


Date: 17.APR 2019 22:22:53

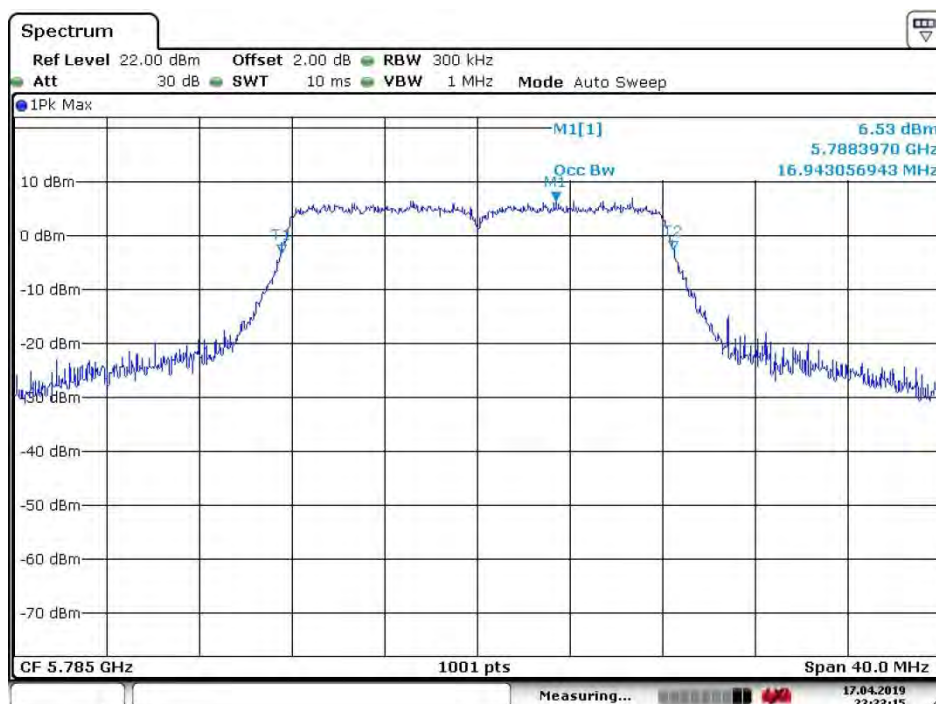


4.6.1.2

11A20_157 ANT 1



Date: 26.APR.2019 11:35:24

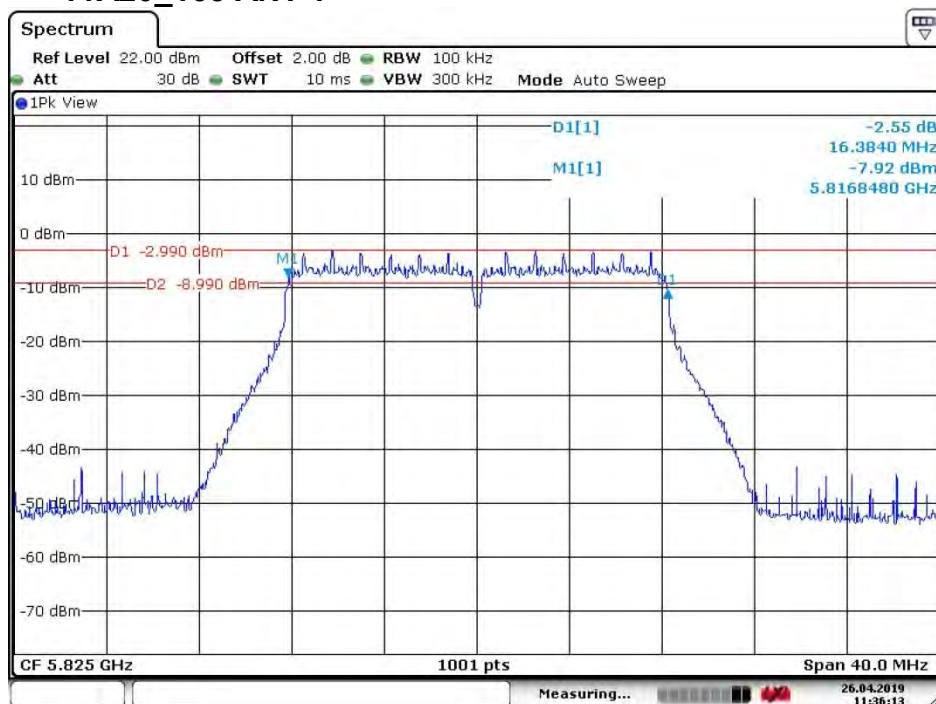


Date: 17.APR.2019 22:23:15

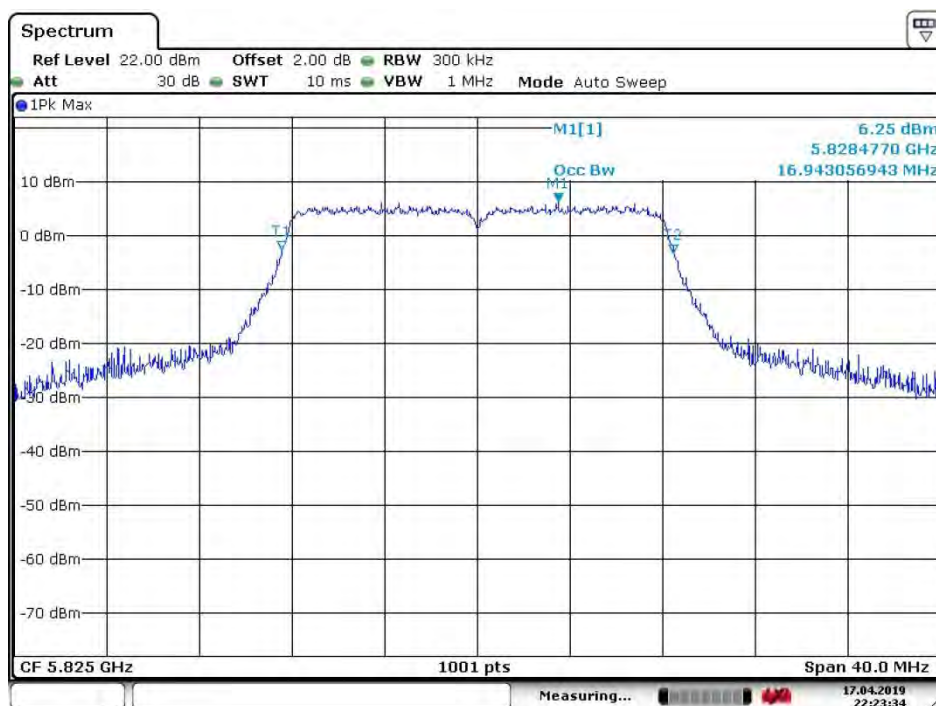


4.6.1.3

11A20_165 ANT 1



Date: 26.APR.2019 11:36:14

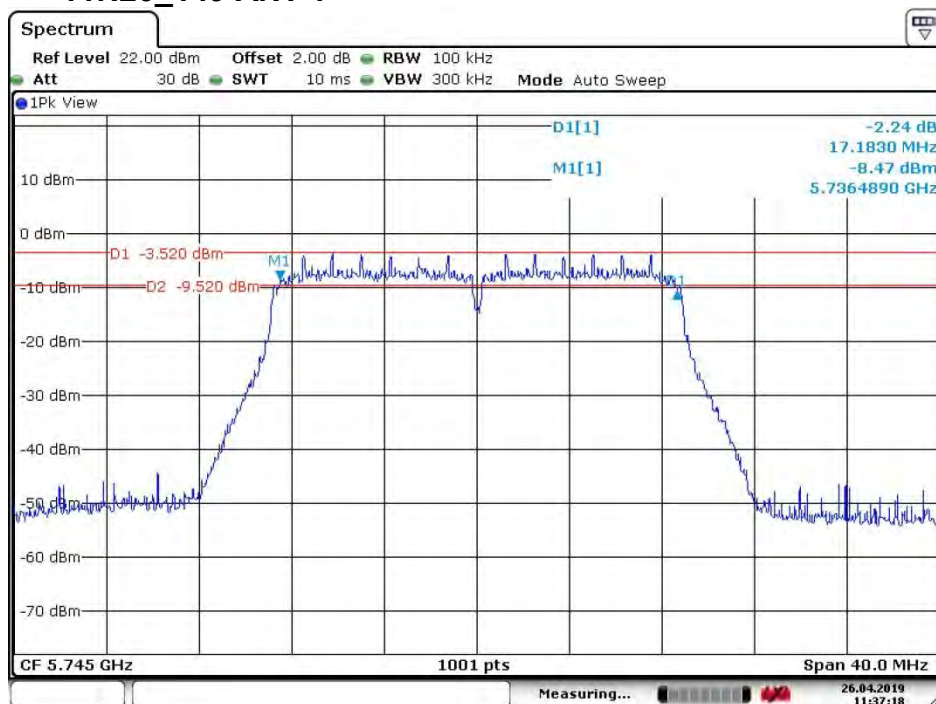


Date: 17.APR.2019 22:23:34

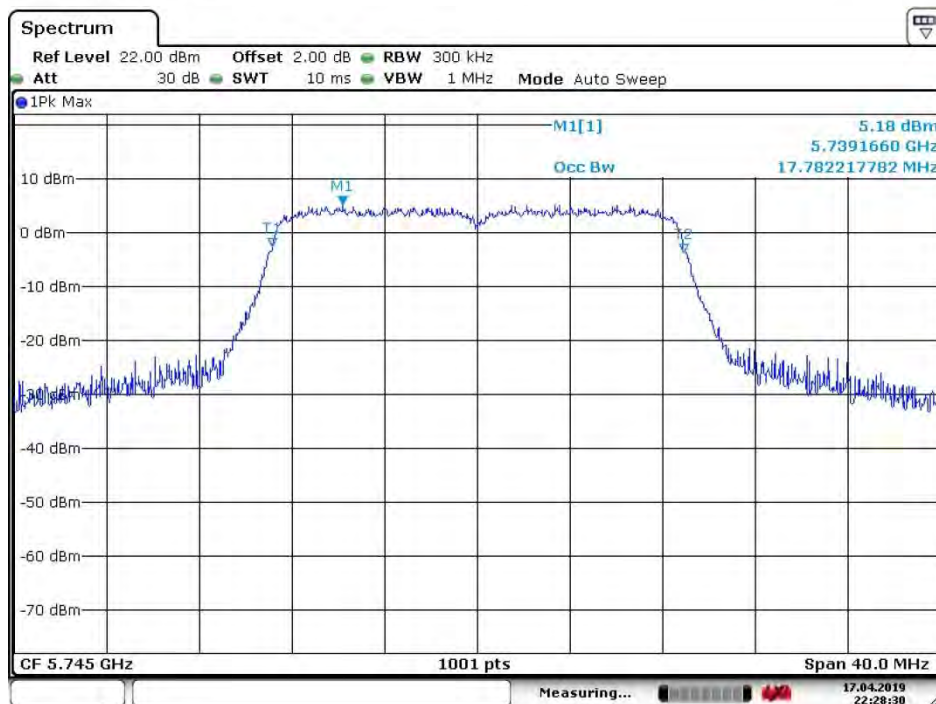


4.6.1.4

11N20_149 ANT 1



Date: 26.APR.2019 11:37:18

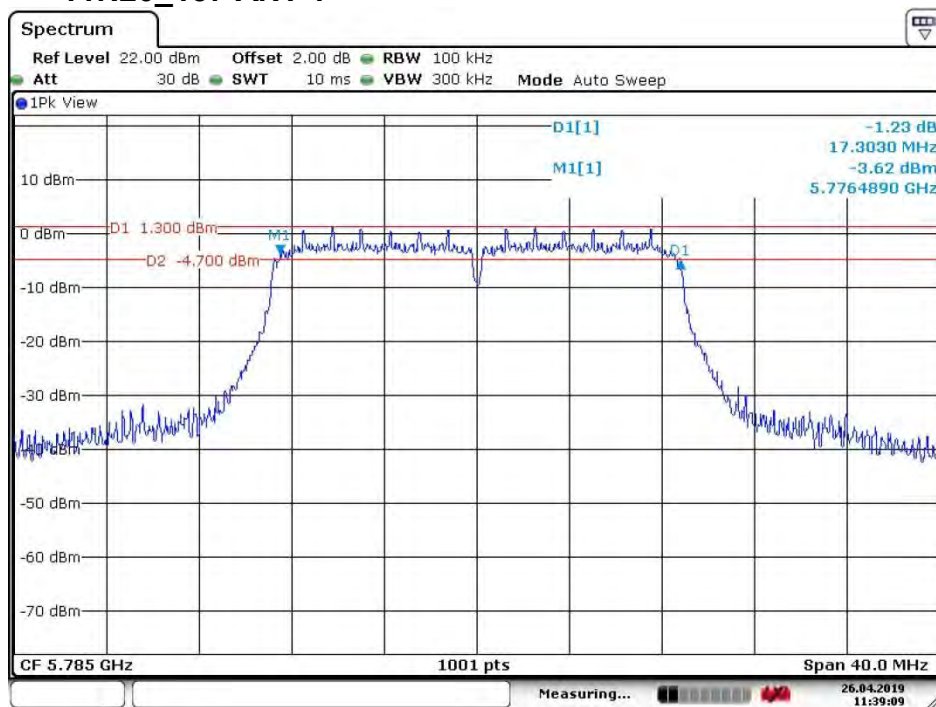


Date: 17.APR.2019 22:28:31

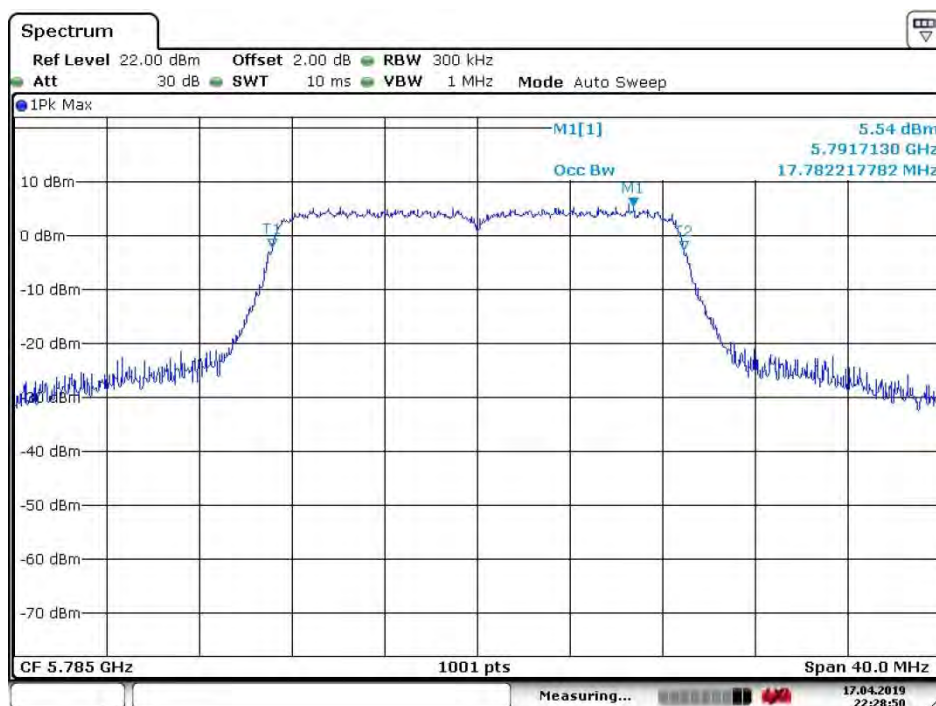


4.6.1.5

11N20_157 ANT 1



Date: 26.APR.2019 11:39:09

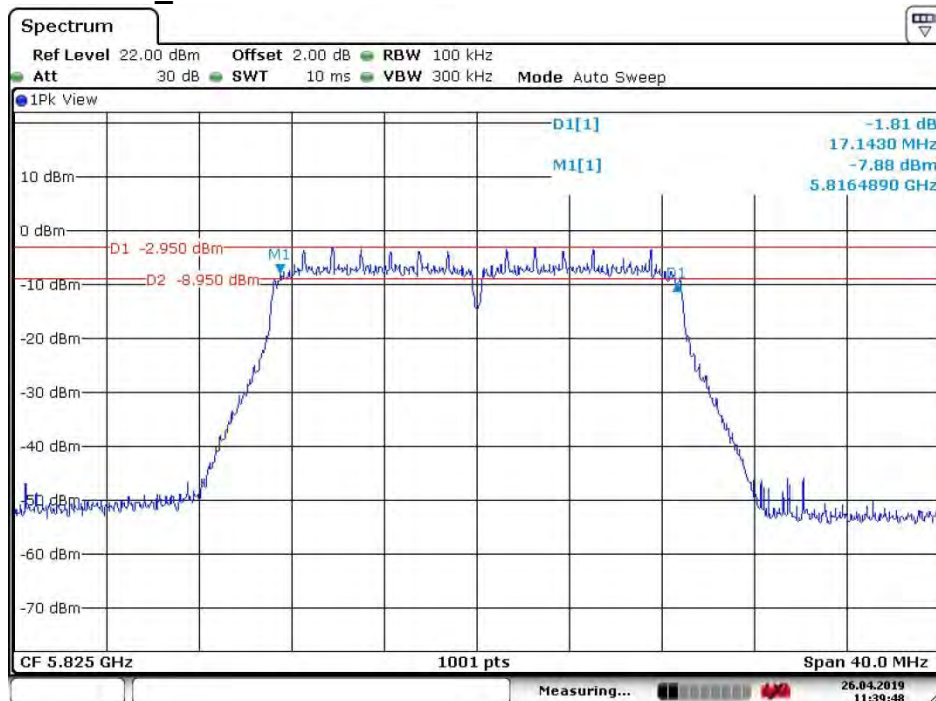


Date: 17.APR.2019 22:28:50

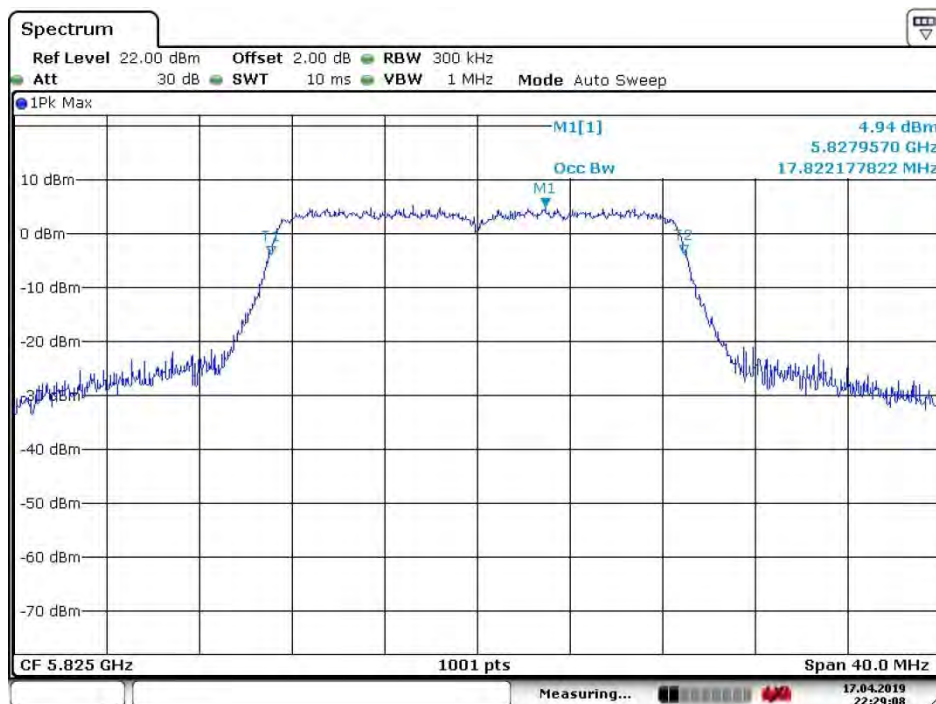


4.6.1.6

11N20_165 ANT 1



Date: 26.APR.2019 11:39:48

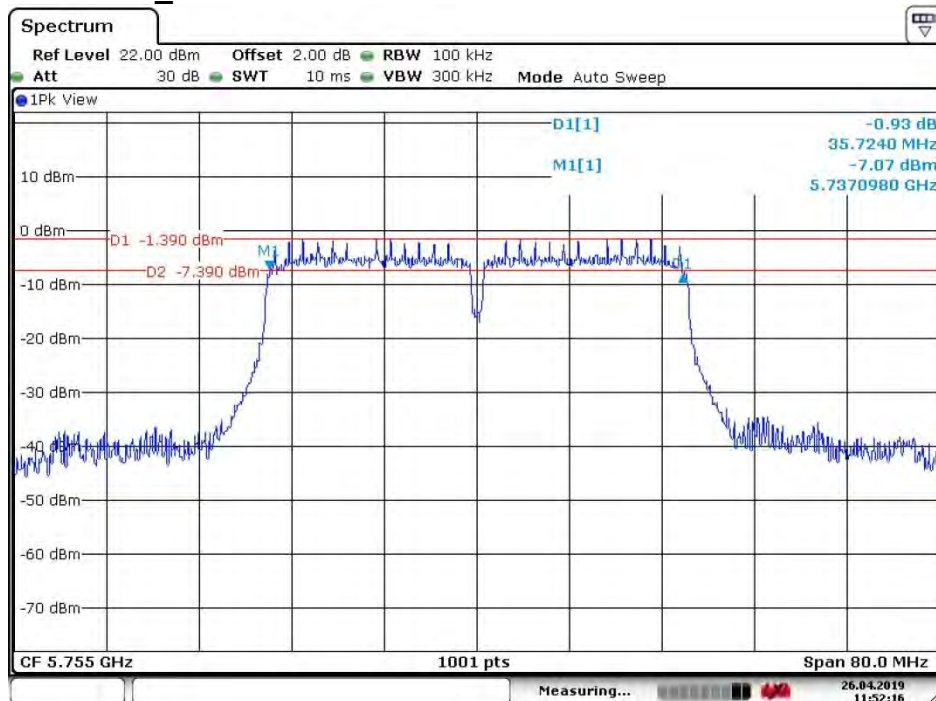


Date: 17.APR.2019 22:29:08

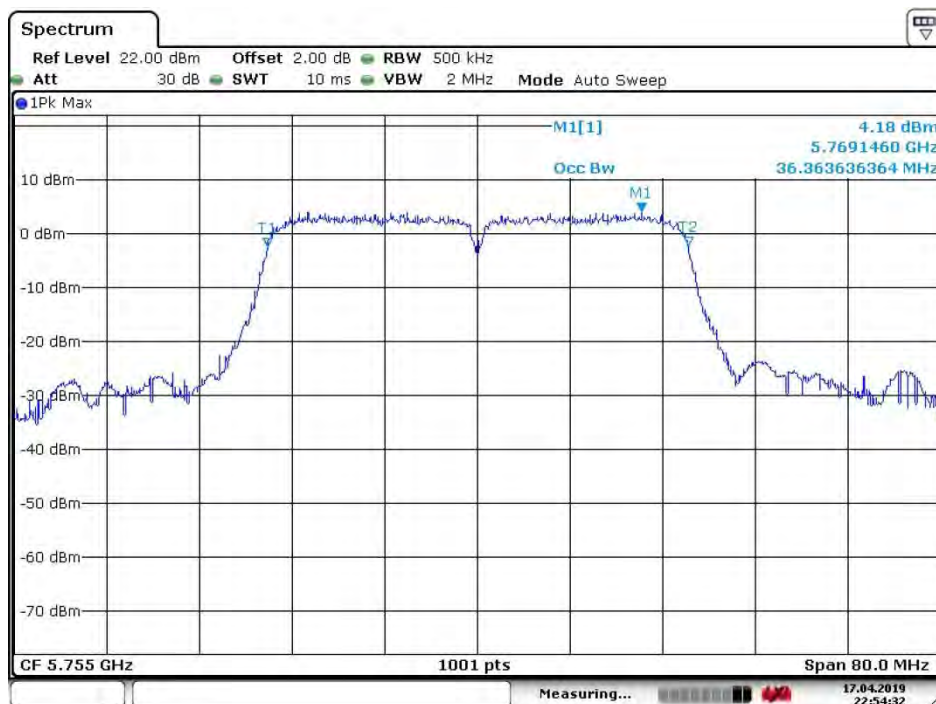


4.6.1.7

11N40_151 ANT 1



Date: 26.APR.2019 11:52:16

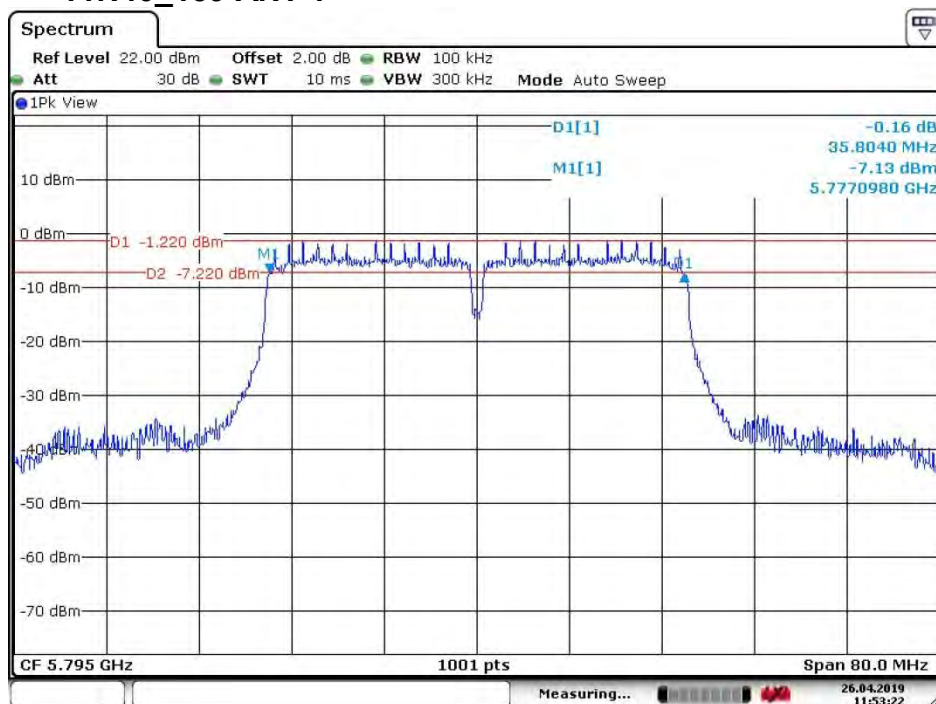


Date: 17.APR.2019 22:54:32

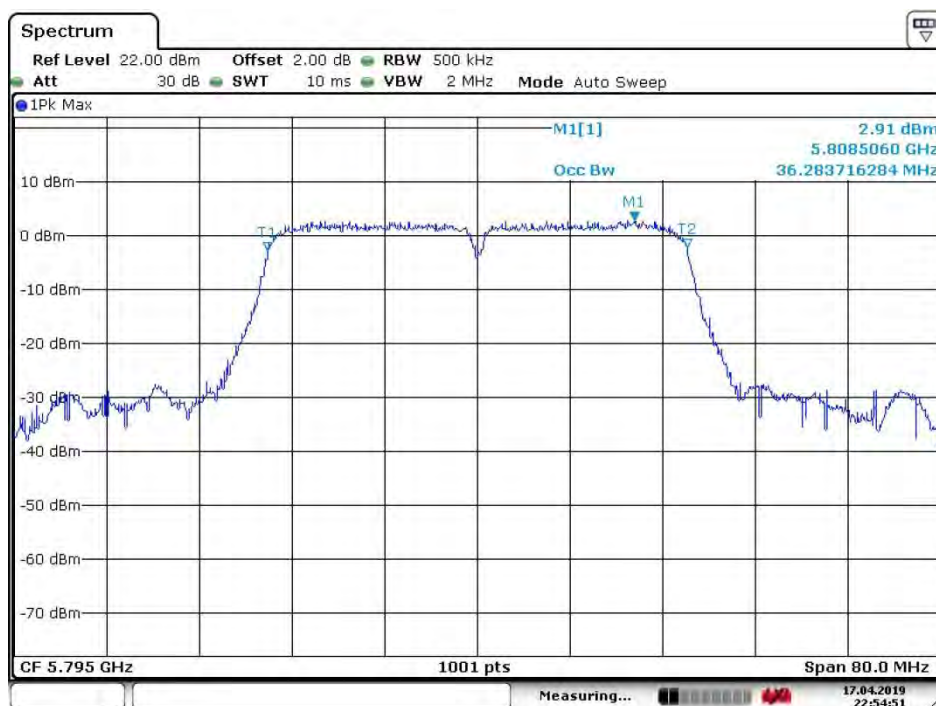


4.6.1.8

11N40_159 ANT 1



Date: 26.APR.2019 11:53:22

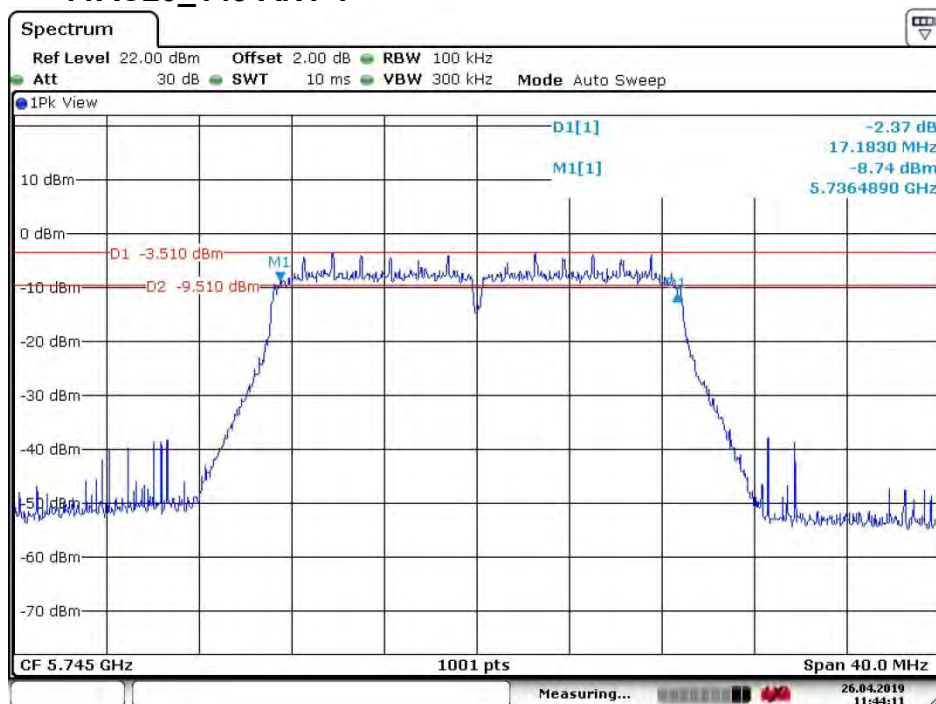


Date: 17.APR.2019 22:54:51

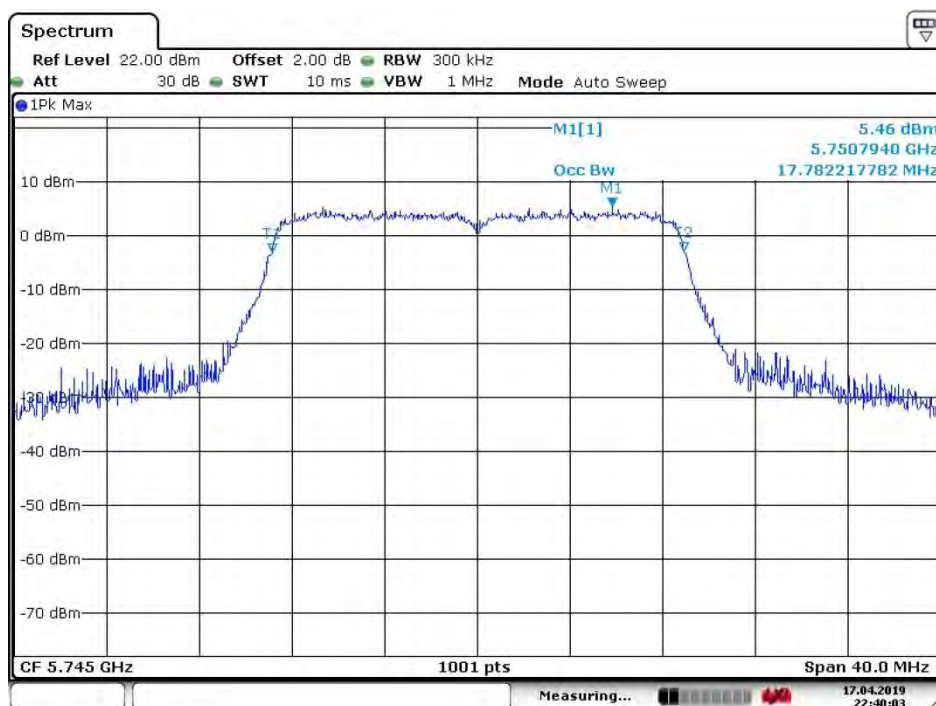


4.6.1.9

11AC20_149 ANT 1



Date: 26.APR.2019 11:44:12

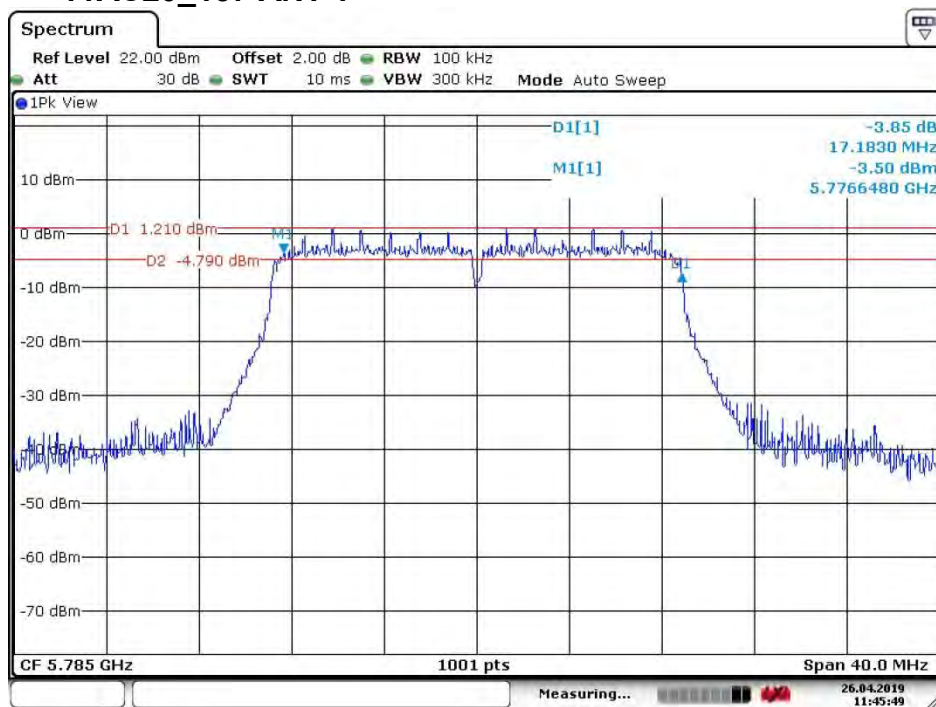


Date: 17.APR.2019 22:40:04

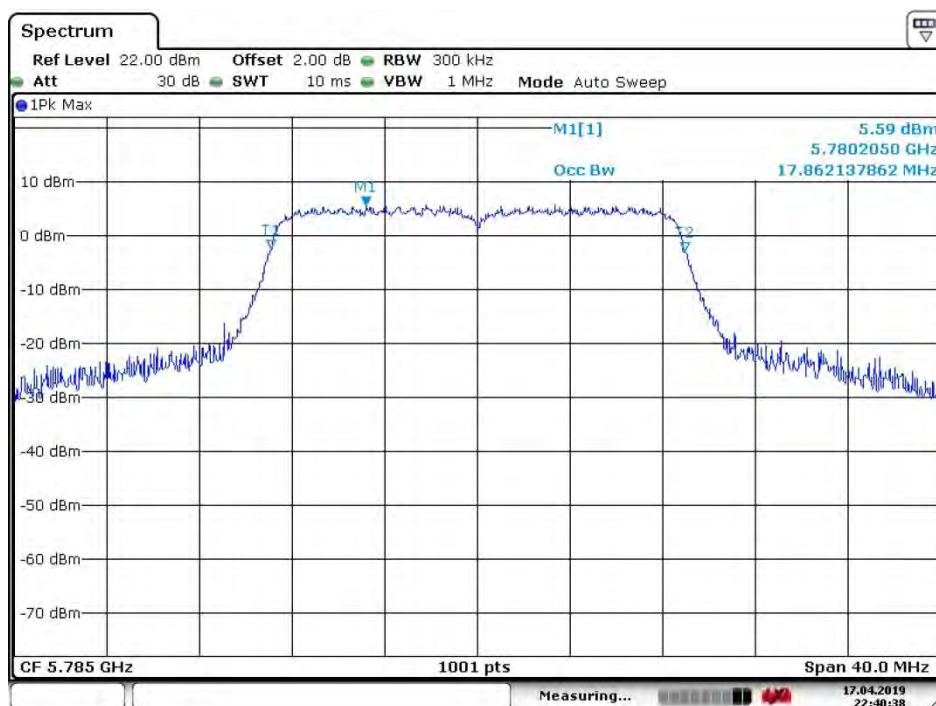


4.6.1.10

11AC20_157 ANT 1



Date: 26.APR.2019 11:45:50

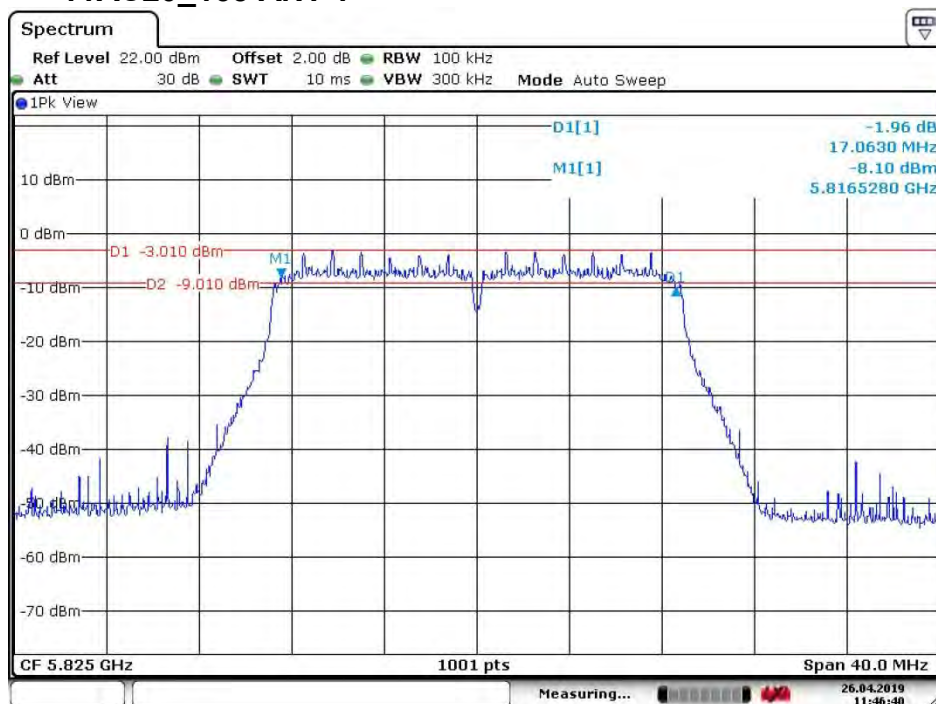


Date: 17.APR.2019 22:40:38

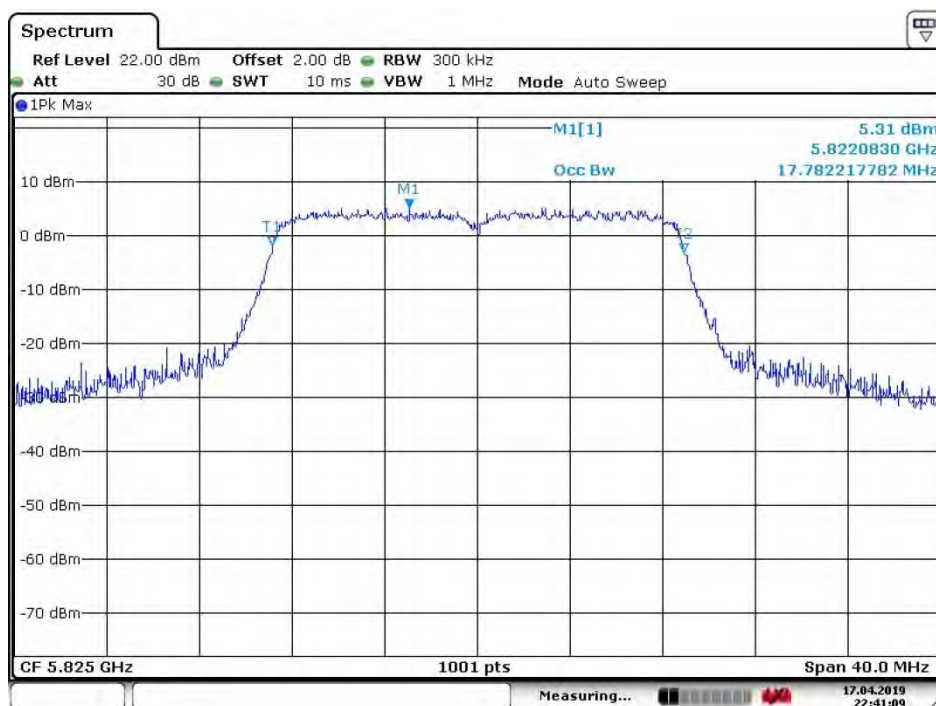


4.6.1.11

11AC20_165 ANT 1



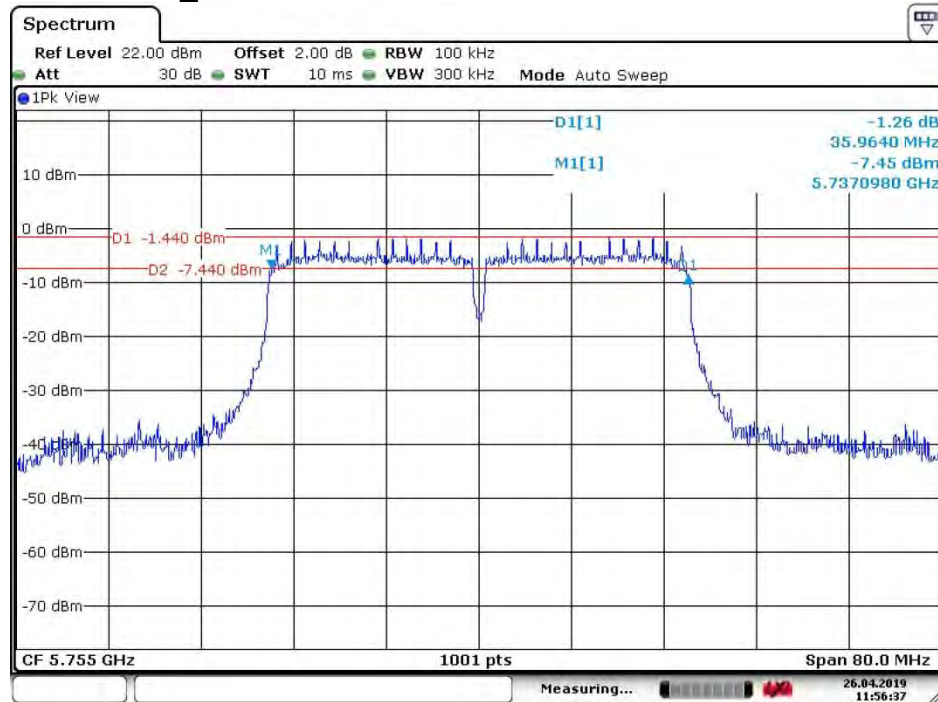
Date: 26.APR.2019 11:46:40



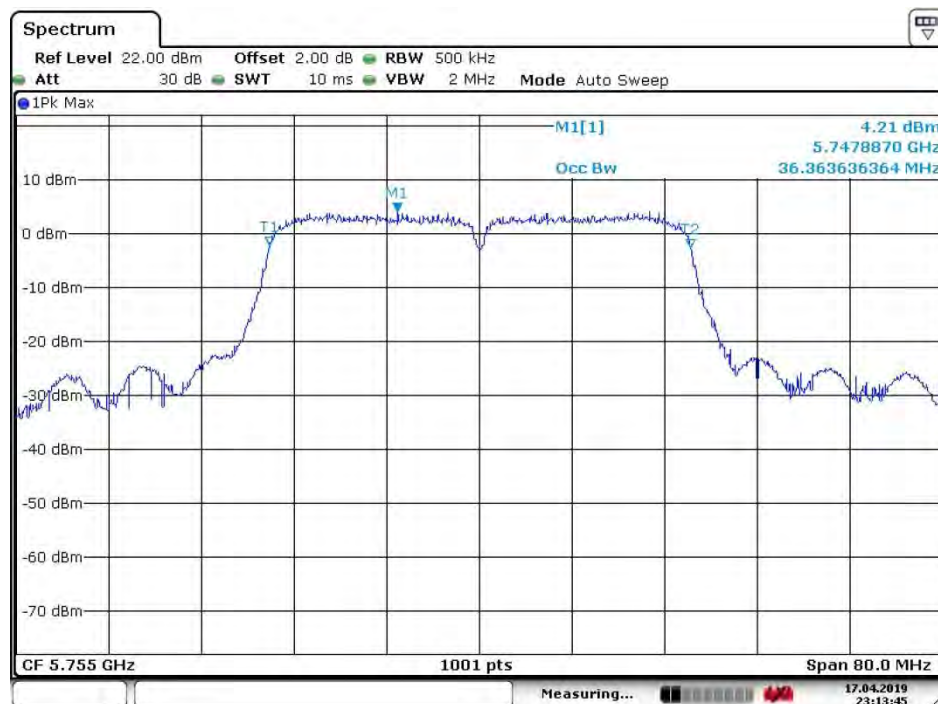
Date: 17.APR.2019 22:41:09



4.6.1.12 11AC40_151 ANT 1



Date: 26.APR.2019 11:56:37

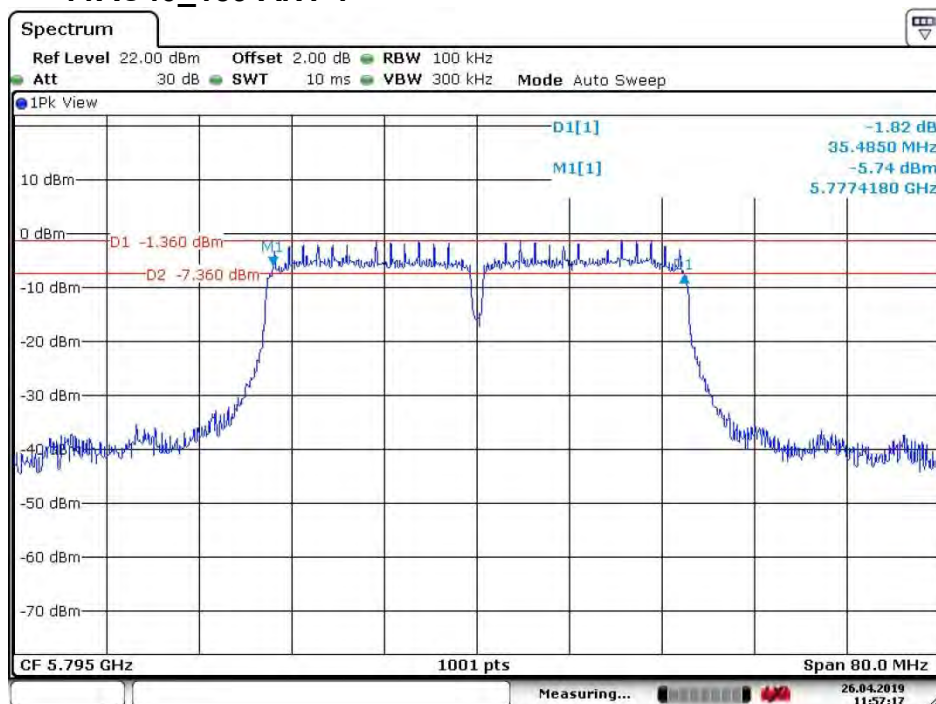


Date: 17.APR.2019 23:13:45

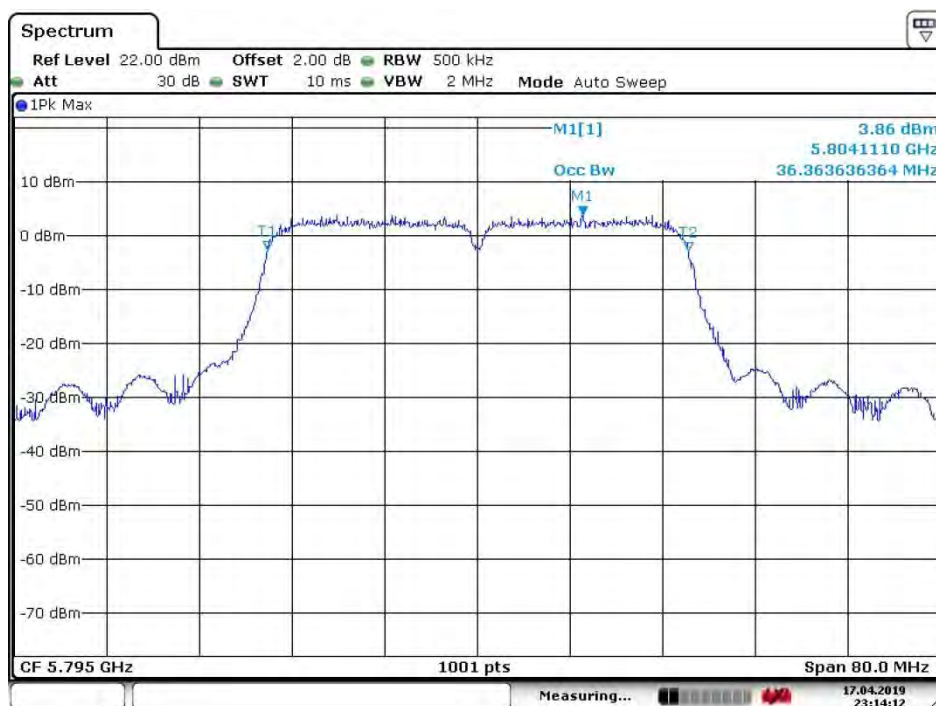


4.6.1.13

11AC40_159 ANT 1



Date: 26.APR.2019 11:57:17

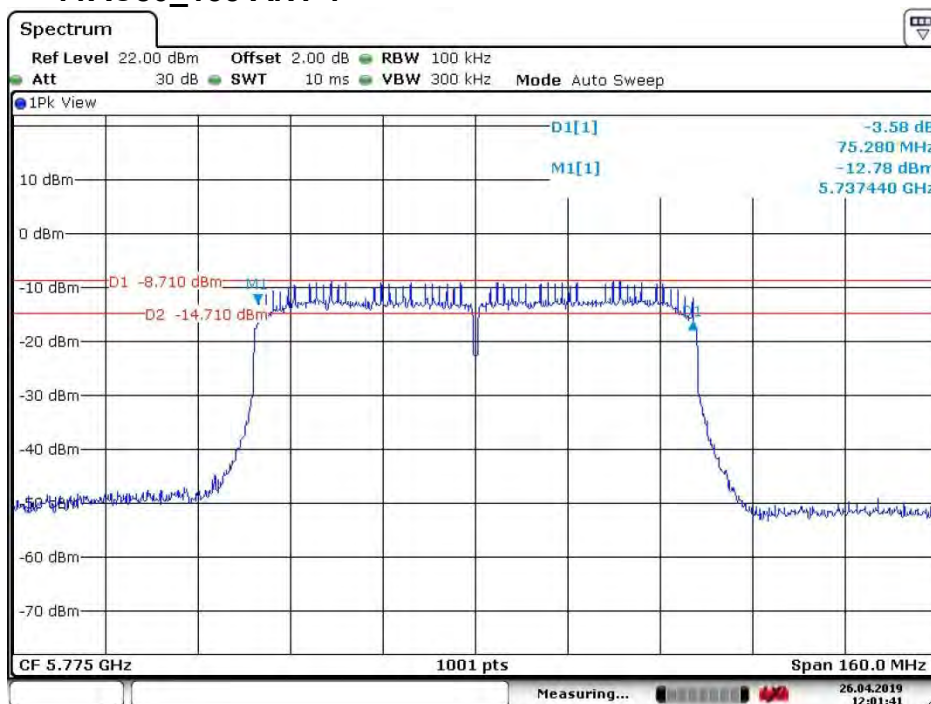


Date: 17.APR.2019 23:14:12

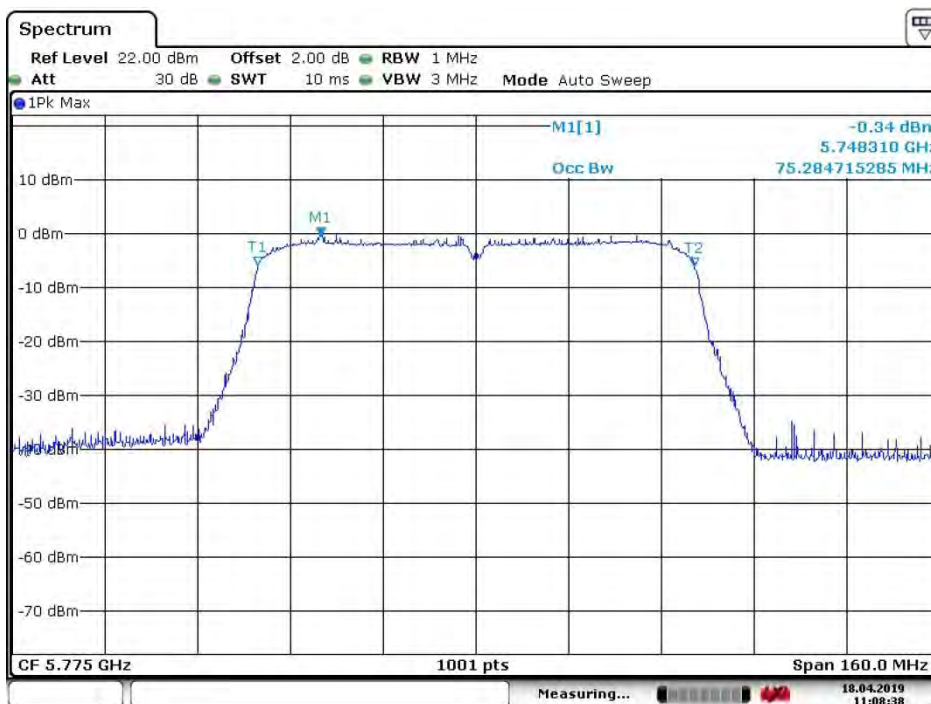


4.6.1.14

11AC80_155 ANT 1



Date: 26.APR.2019 12:01:42

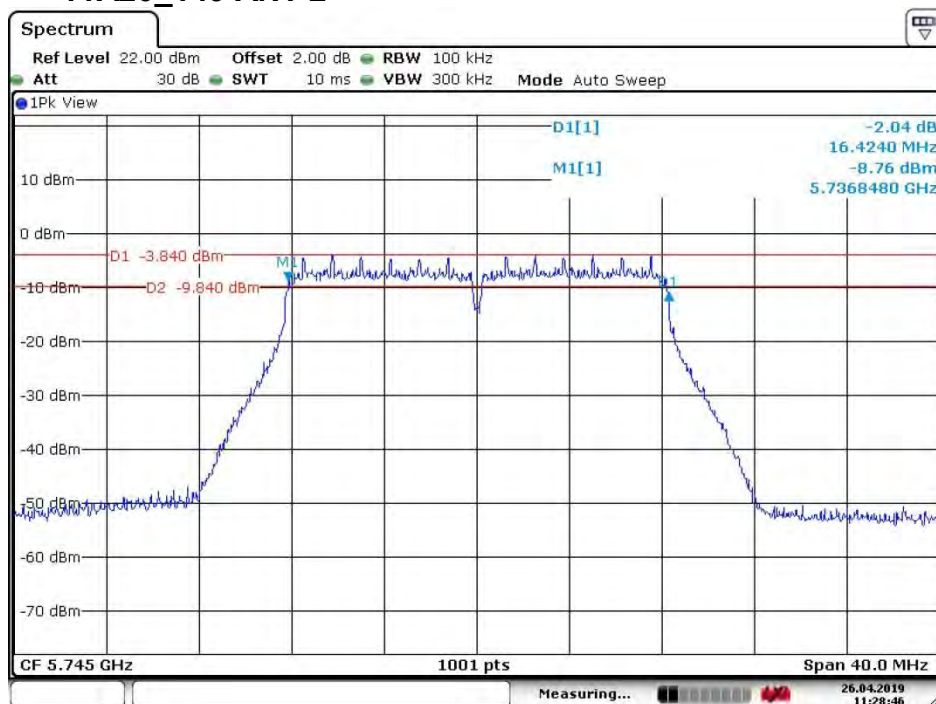


Date: 18.APR.2019 11:08:38

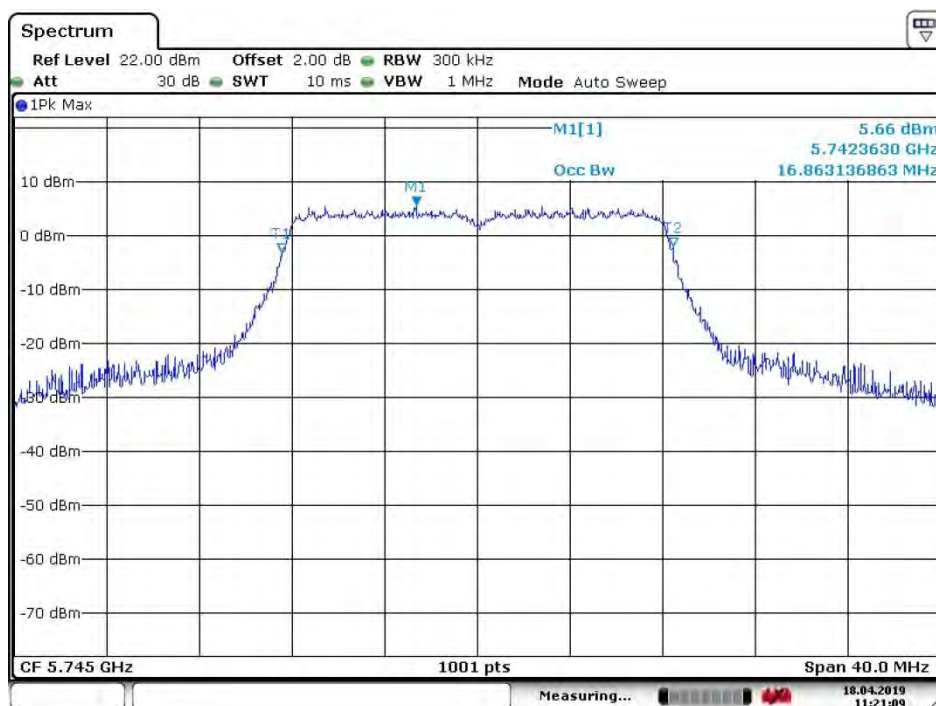


4.6.1.15

11A20_149 ANT 2



Date: 26.APR.2019 11:28:47

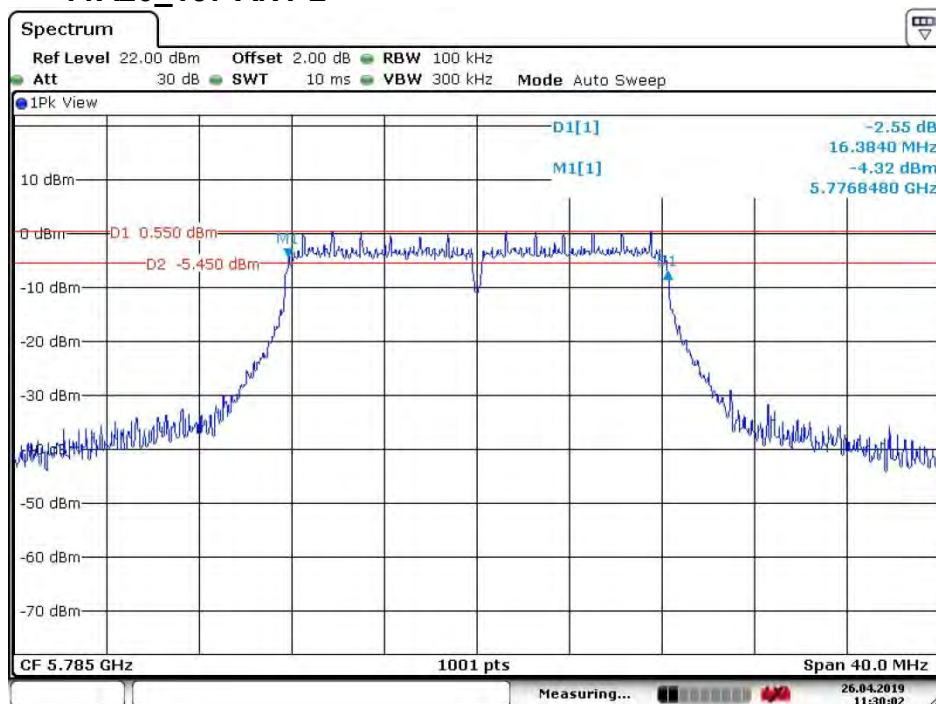


Date: 18.APR.2019 11:21:10

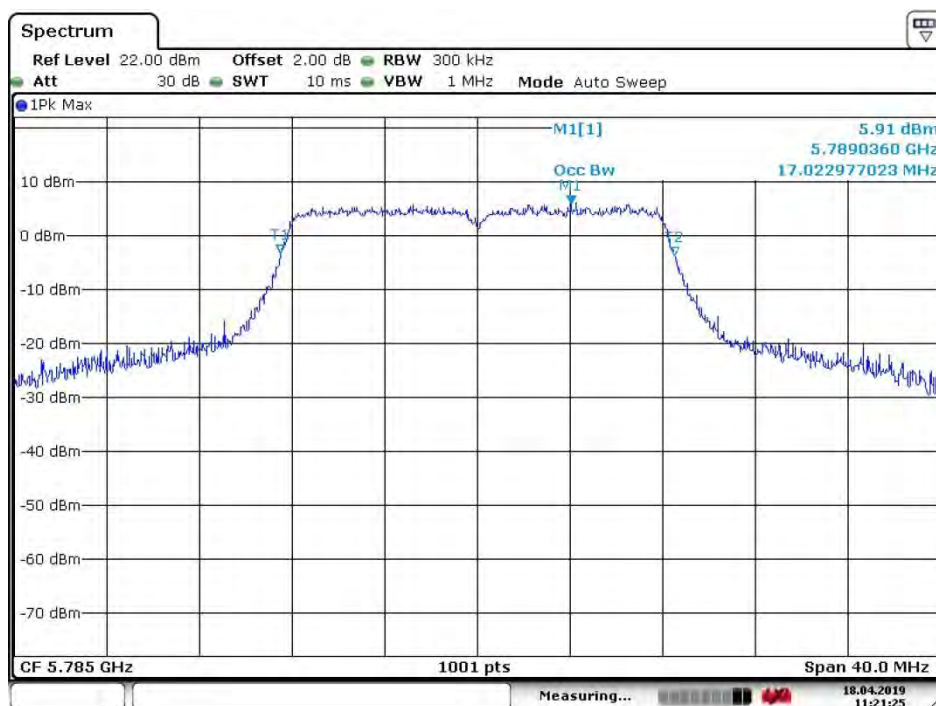


4.6.1.16

11A20_157 ANT 2



Date: 26.APR.2019 11:30:02

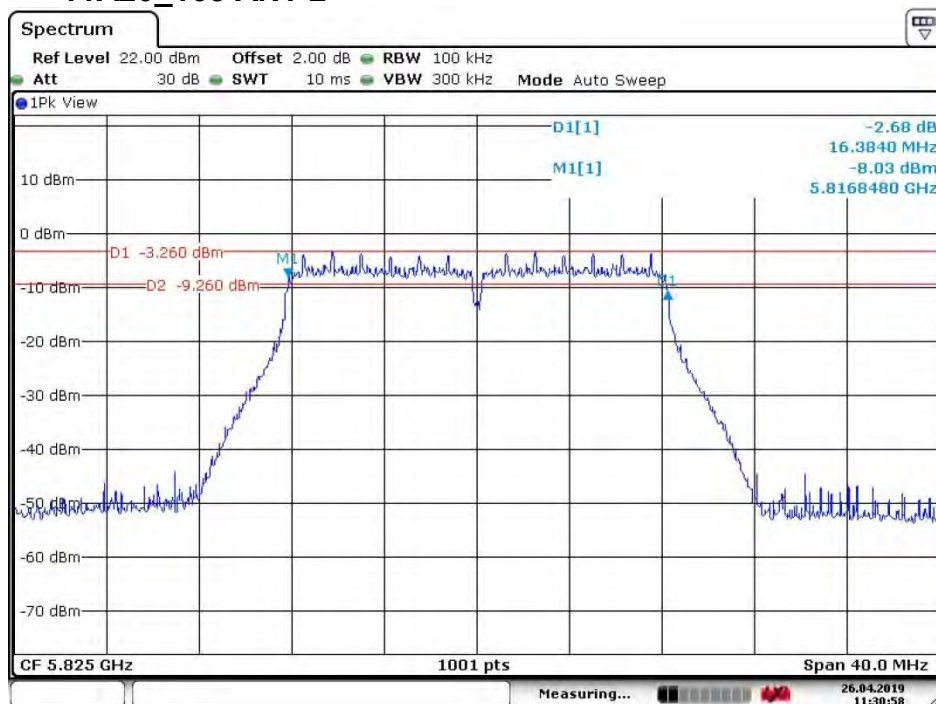


Date: 18.APR.2019 11:21:26

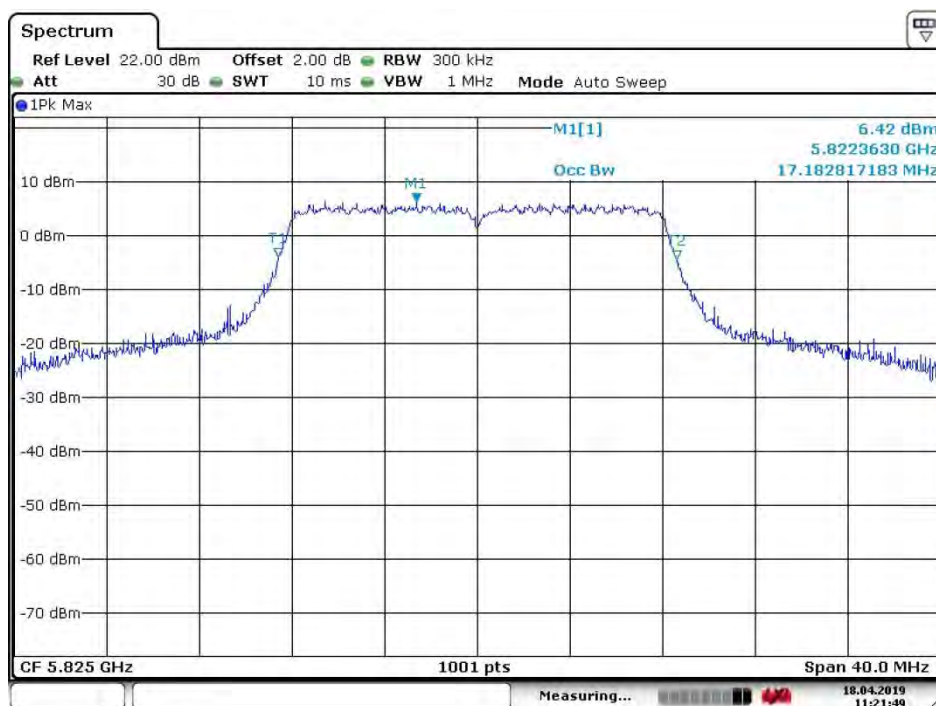


4.6.1.17

11A20_165 ANT 2



Date: 26.APR.2019 11:30:58

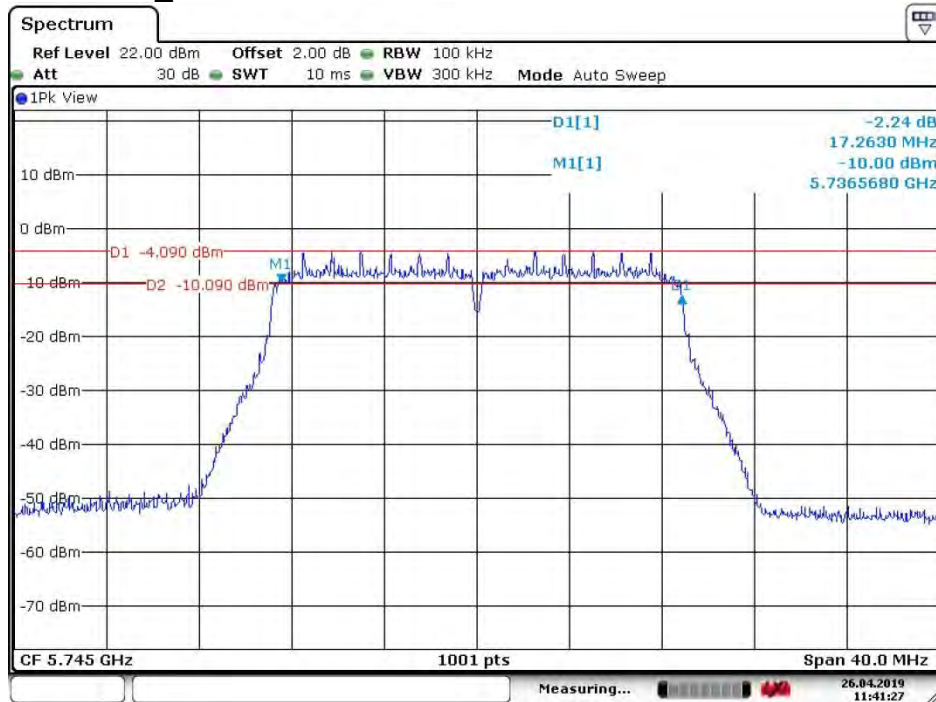


Date: 18.APR.2019 11:21:49

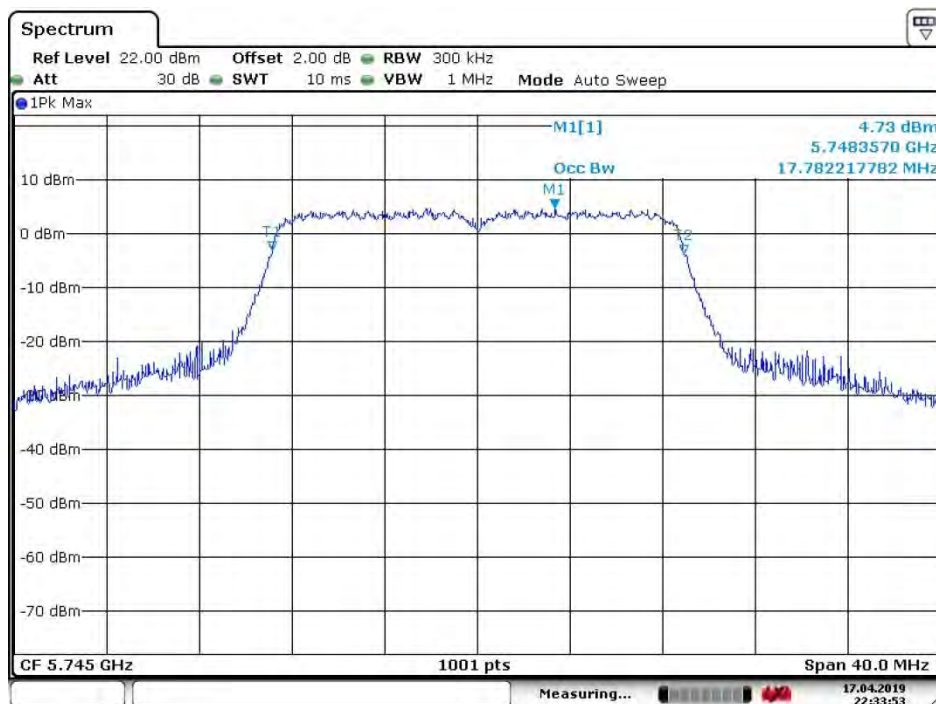


4.6.1.18

11N20_149 ANT 2



Date: 26.APR.2019 11:41:27

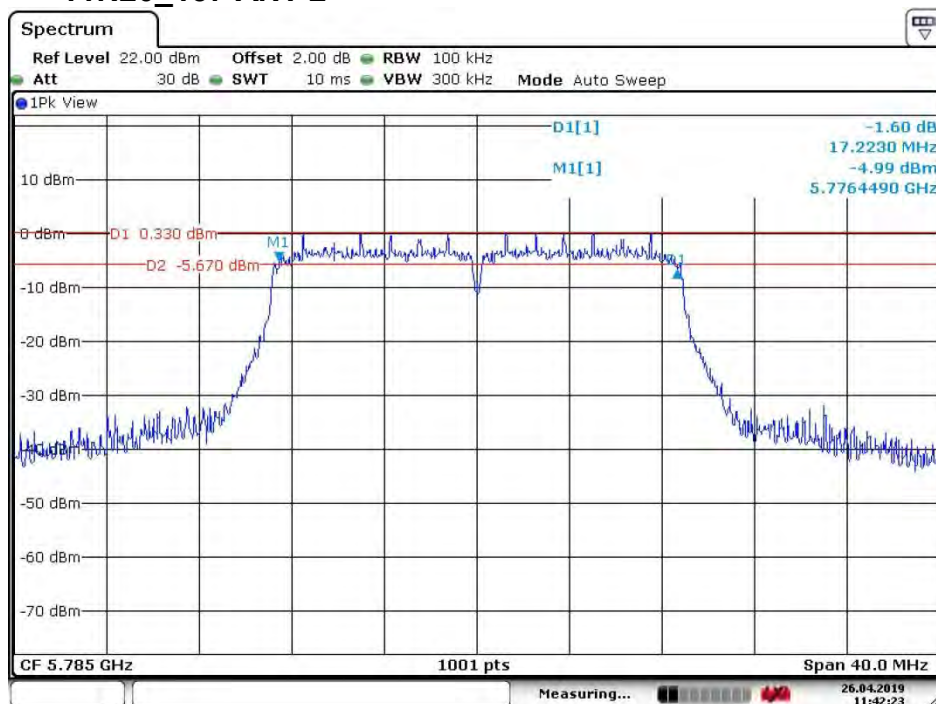


Date: 17.APR.2019 22:33:54

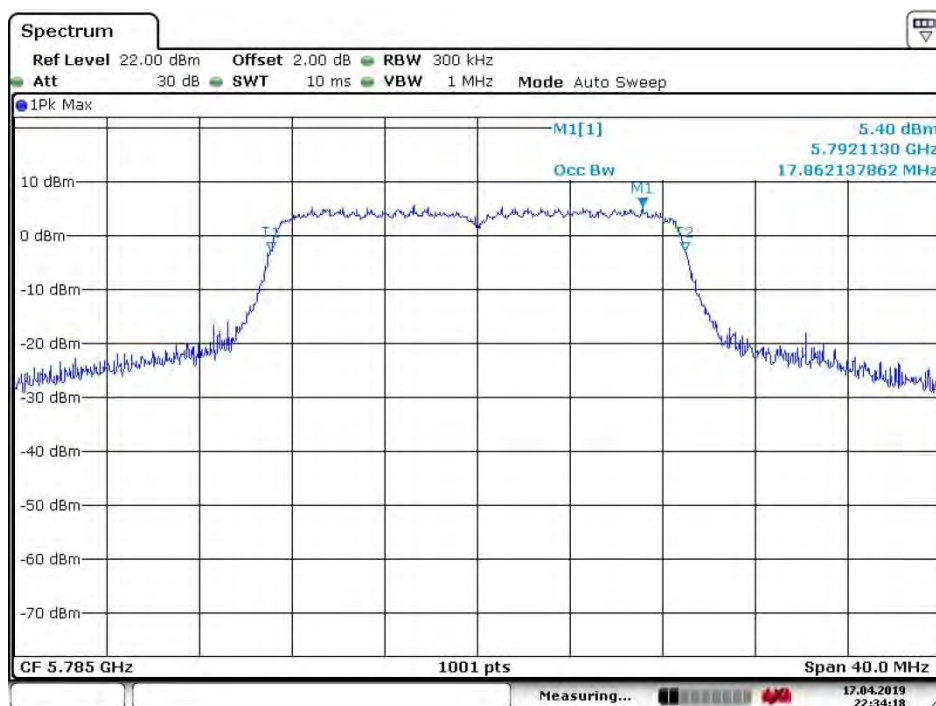


4.6.1.19

11N20_157 ANT 2



Date: 26.APR.2019 11:42:24

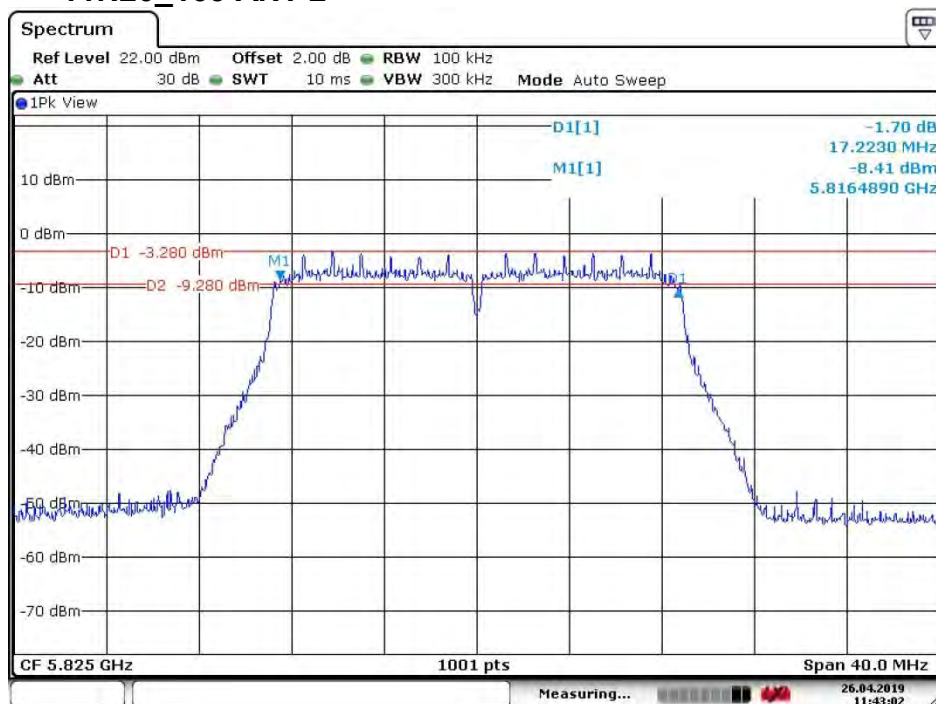


Date: 17.APR.2019 22:34:18

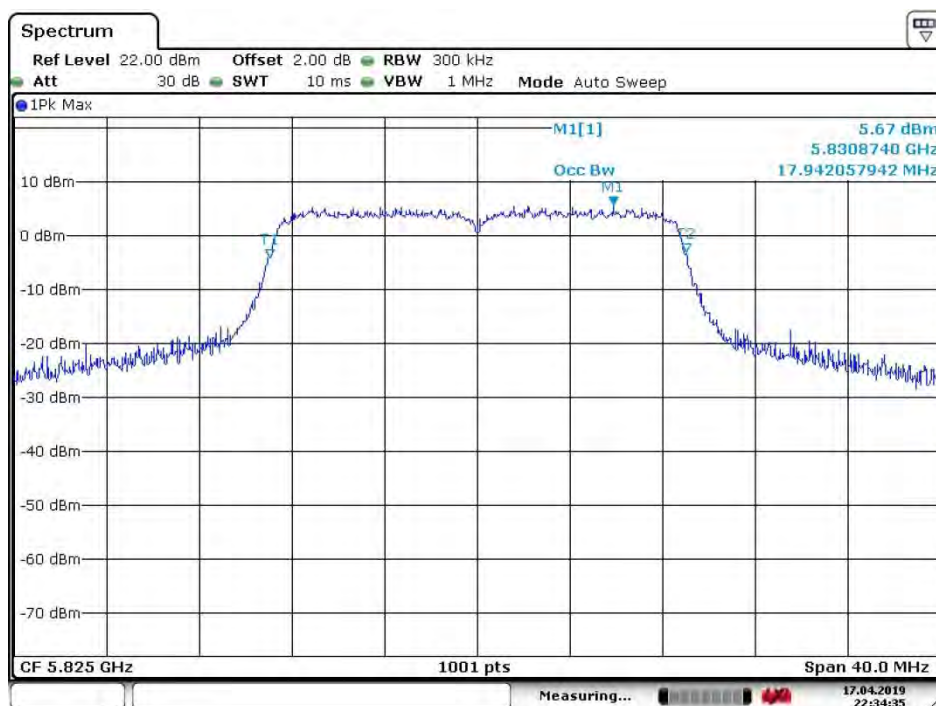


4.6.1.20

11N20_165 ANT 2



Date: 26.APR.2019 11:43:02

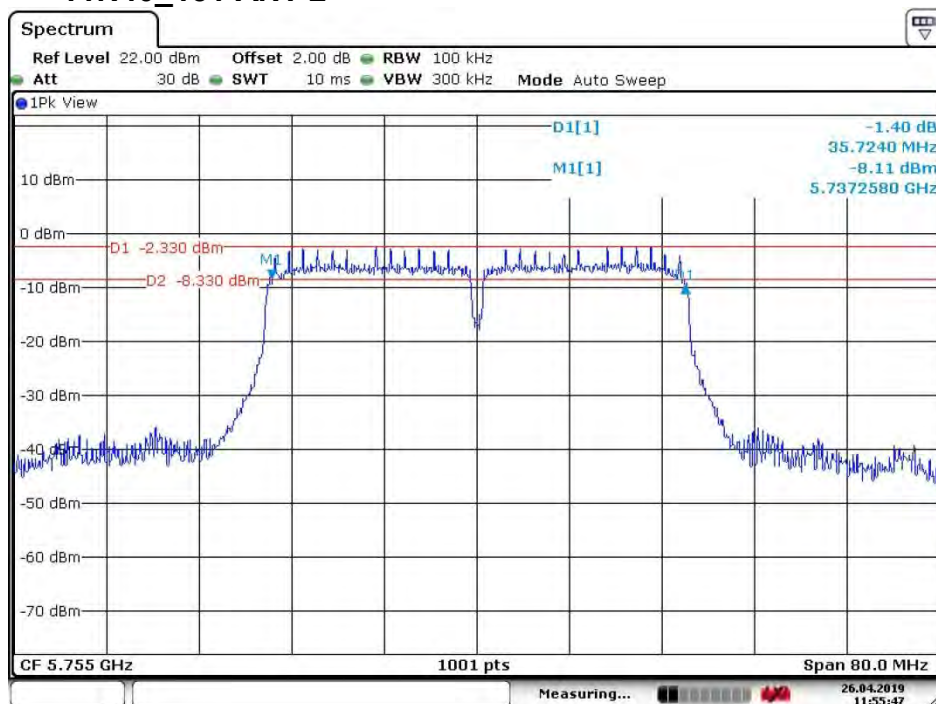


Date: 17.APR.2019 22:34:35

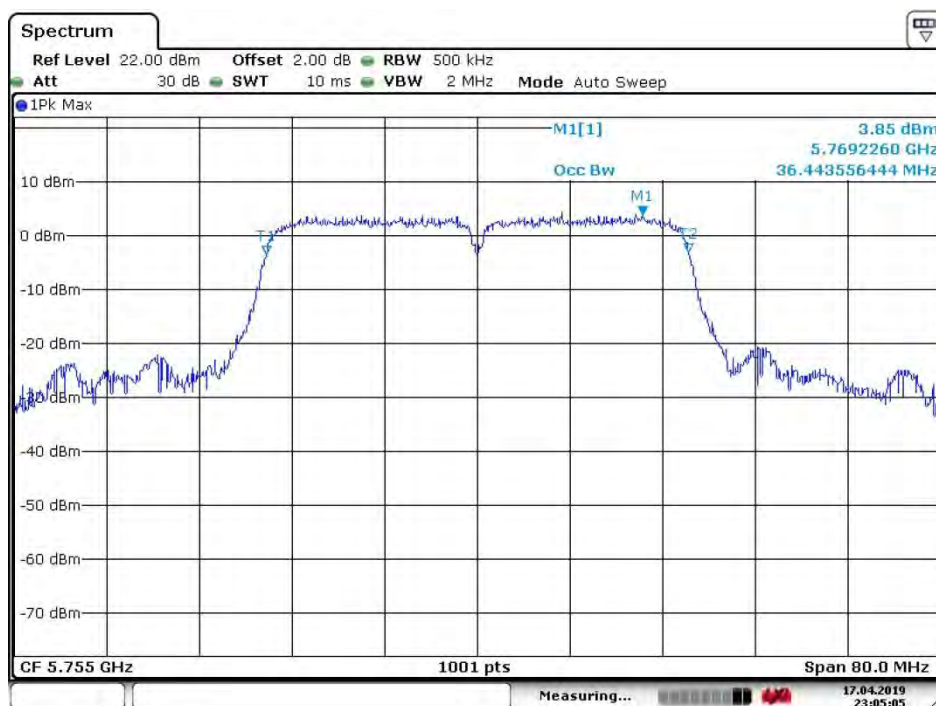


4.6.1.21

11N40_151 ANT 2



Date: 26.APR.2019 11:55:47

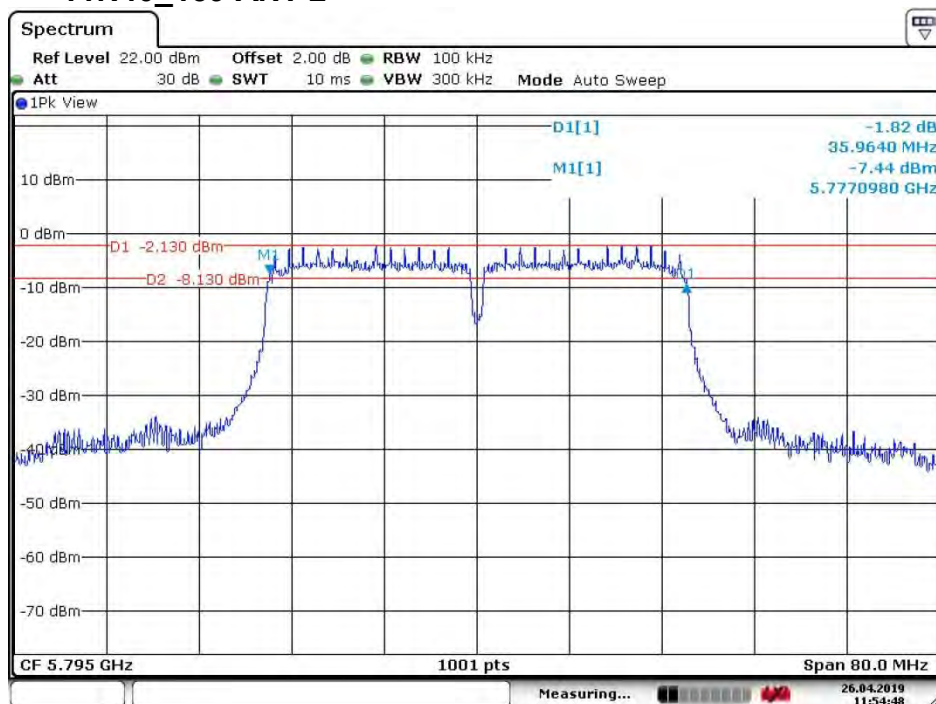


Date: 17.APR.2019 23:05:06

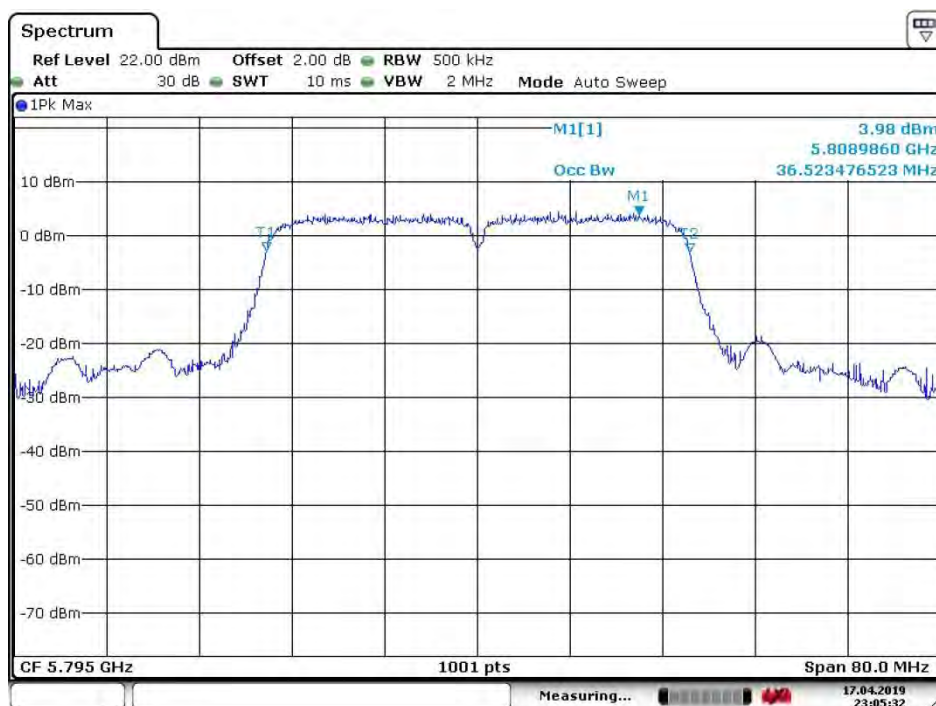


4.6.1.22

11N40_159 ANT 2



Date: 26. APR. 2019 11:54:48

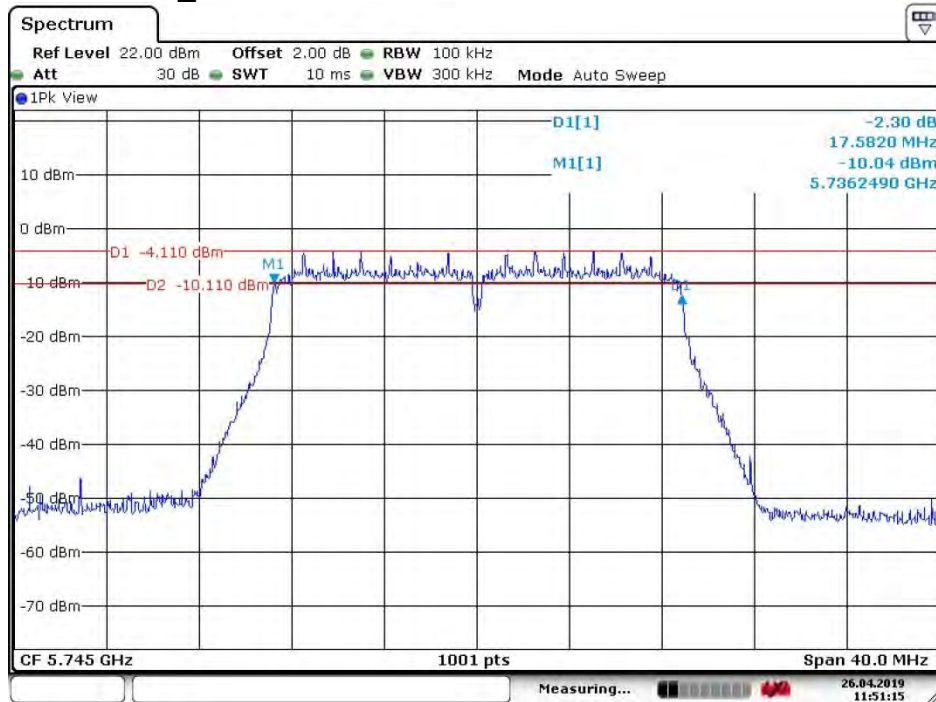


Date: 17. APR. 2019 23:05:32

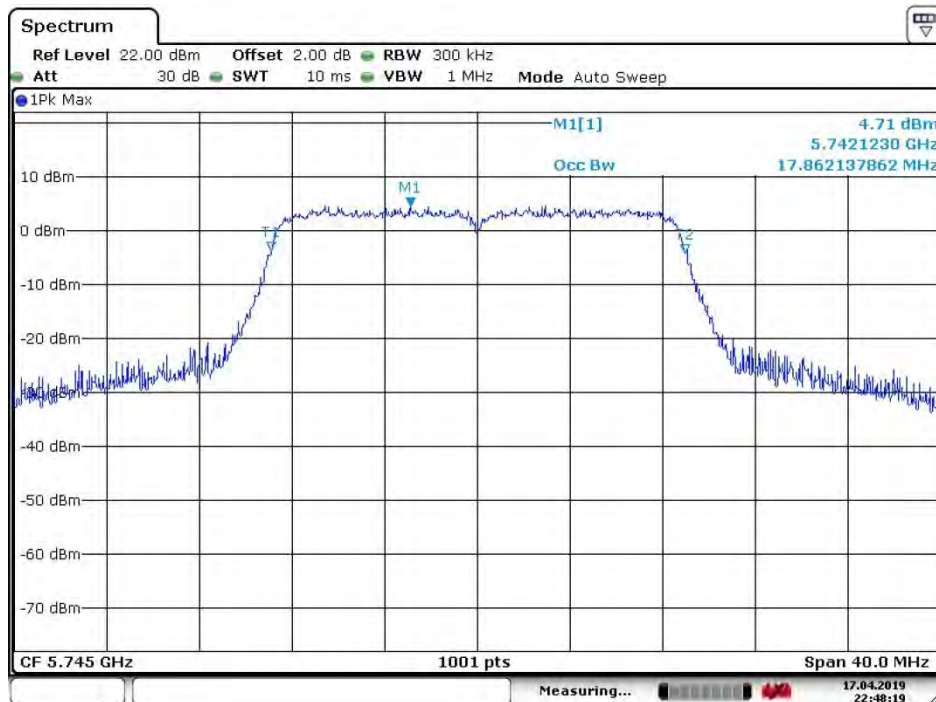


4.6.1.23

11AC20_149 ANT 2



Date: 26.APR.2019 11:51:15

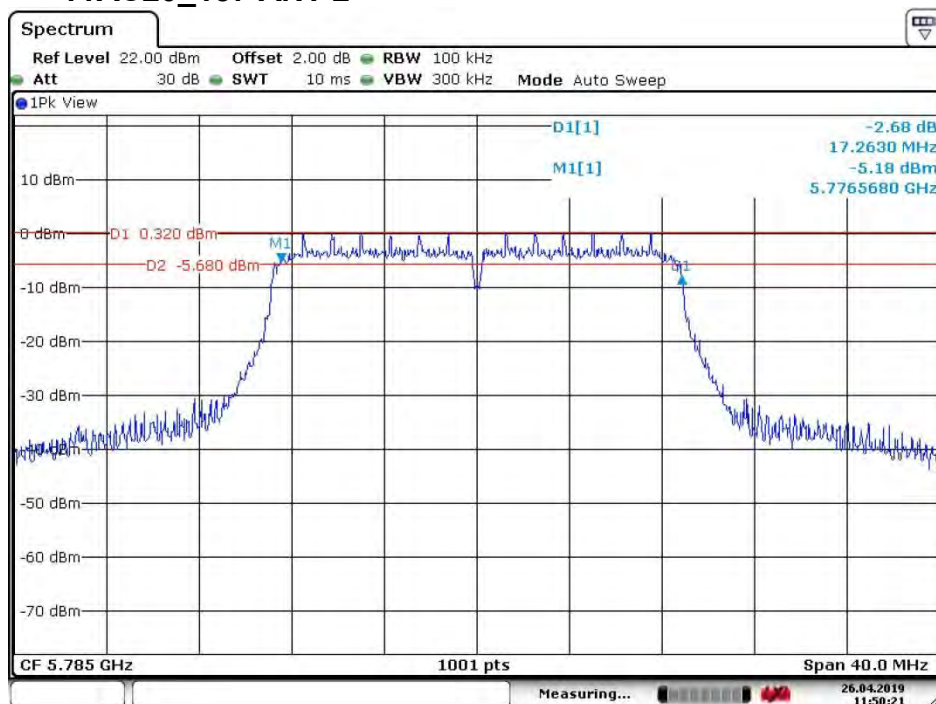


Date: 17.APR.2019 22:48:19

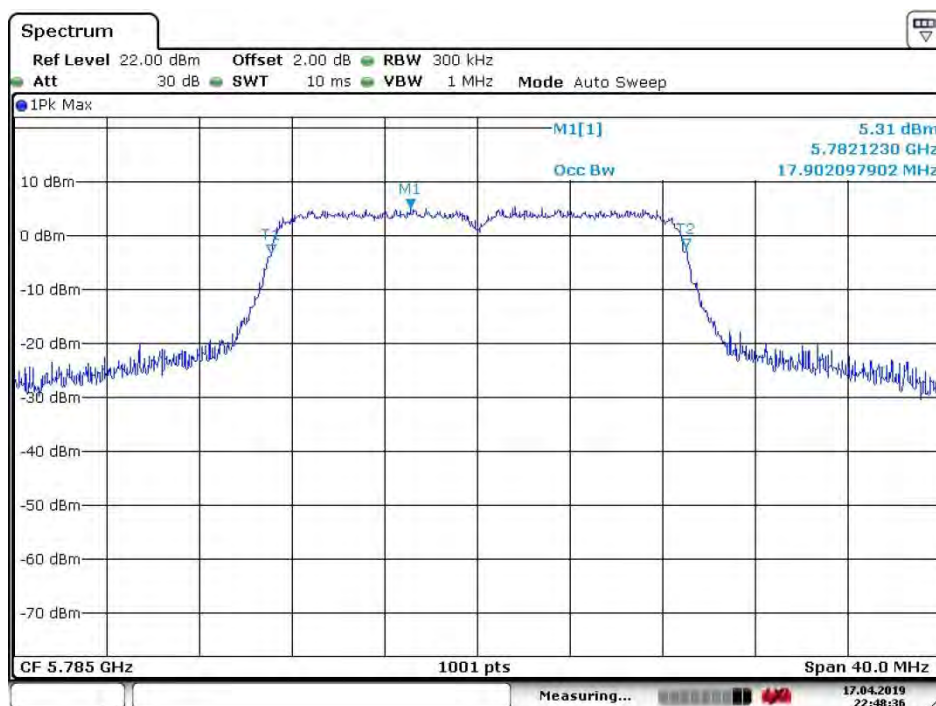


4.6.1.24

11AC20_157 ANT 2



Date: 26.APR.2019 11:50:21

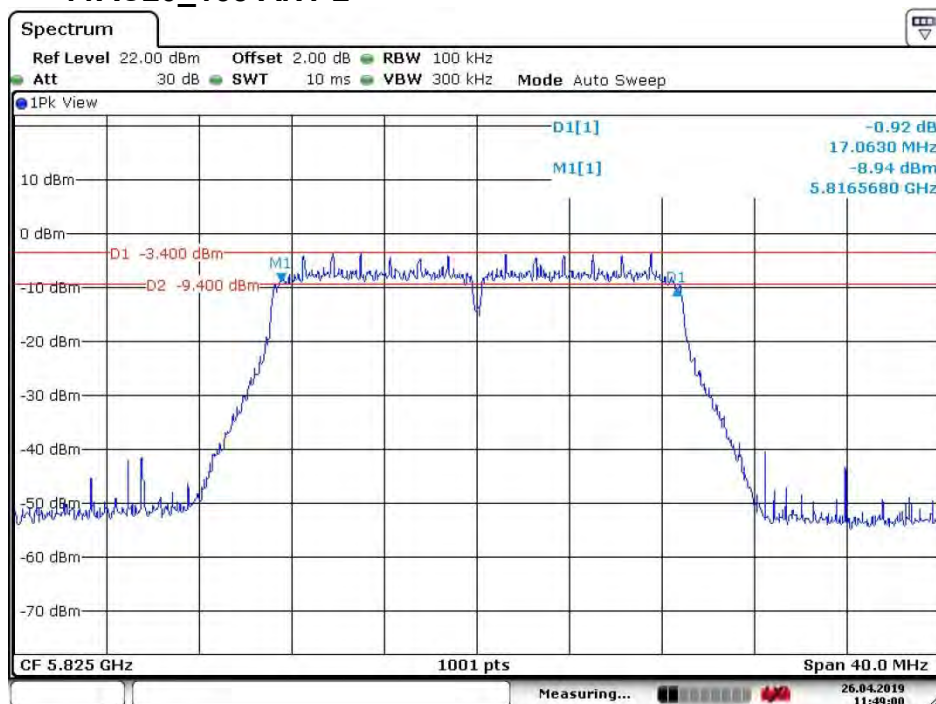


Date: 17.APR.2019 22:48:36

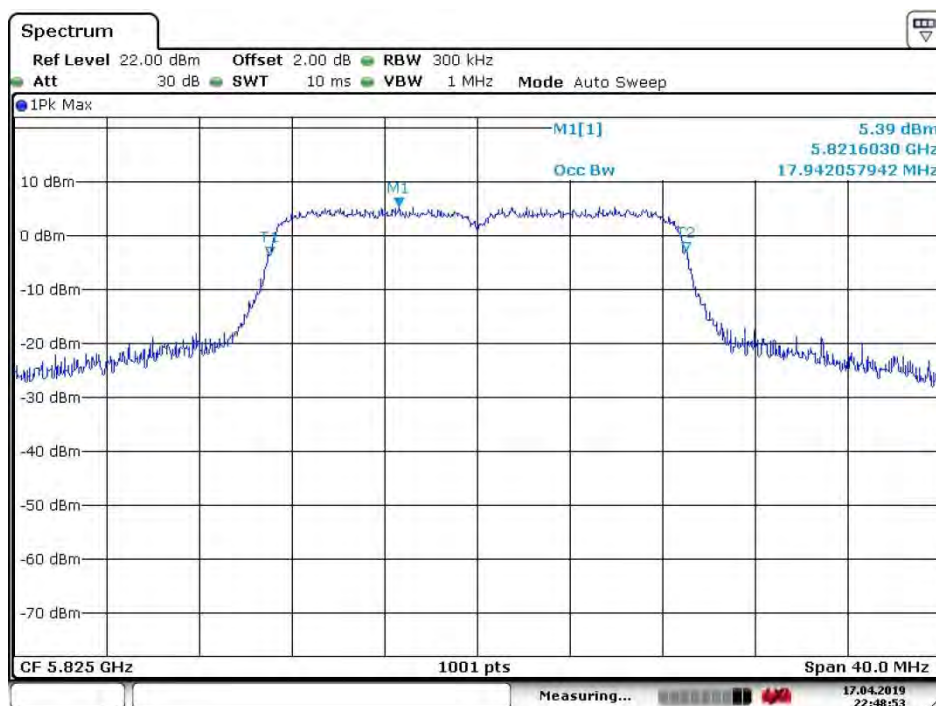


4.6.1.25

11AC20 165 ANT 2



Date: 26.APR.2019 11:49:00



Date: 17 APR 2019 22:48:53



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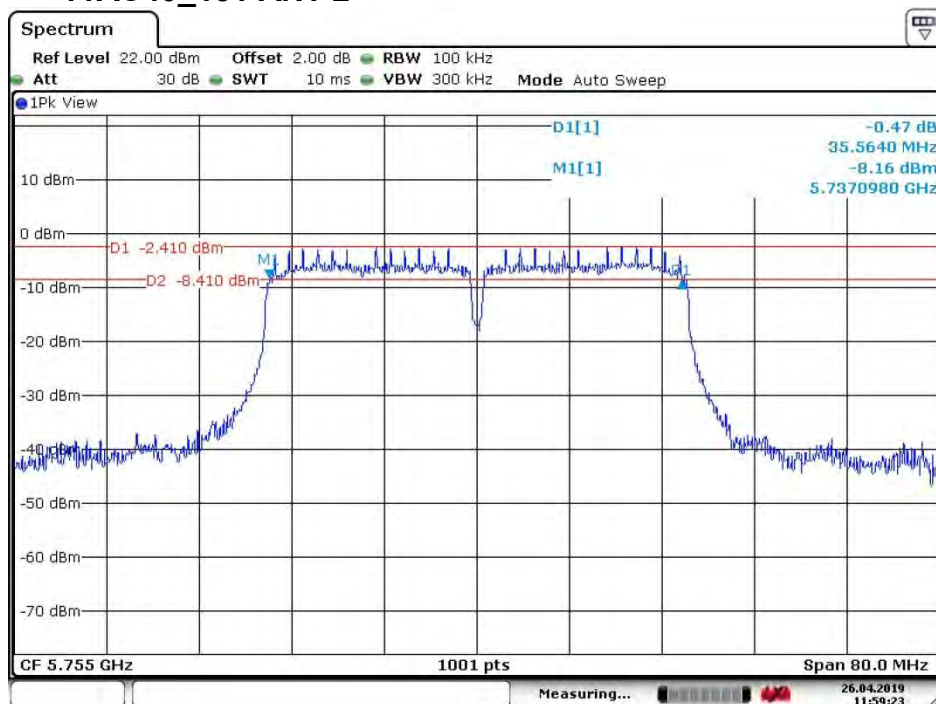
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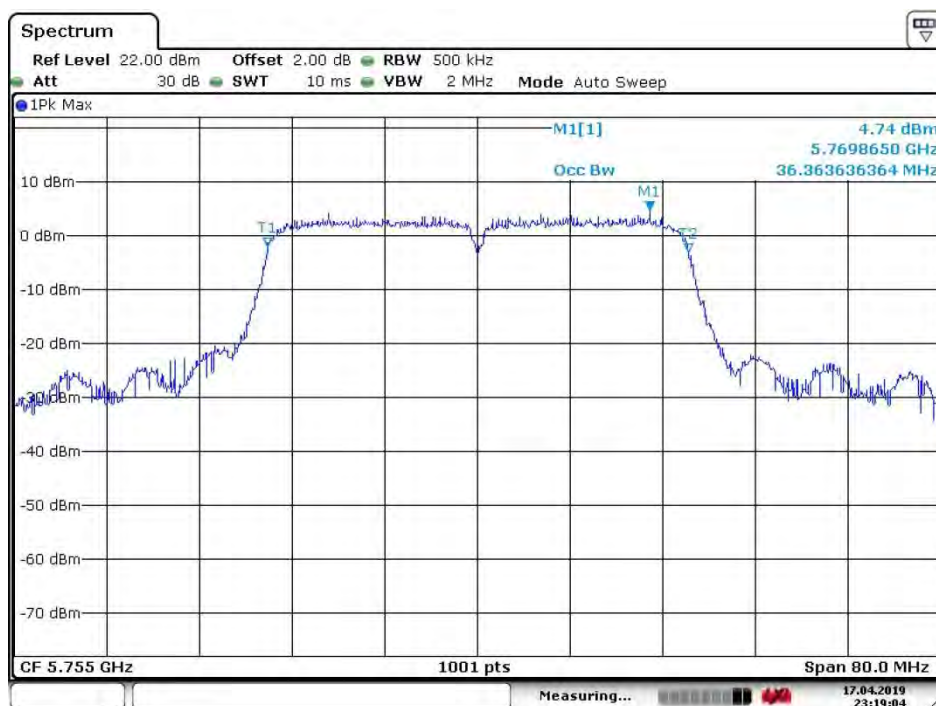
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4.6.1.26

11AC40_151 ANT 2



Date: 26.APR.2019 11:59:23

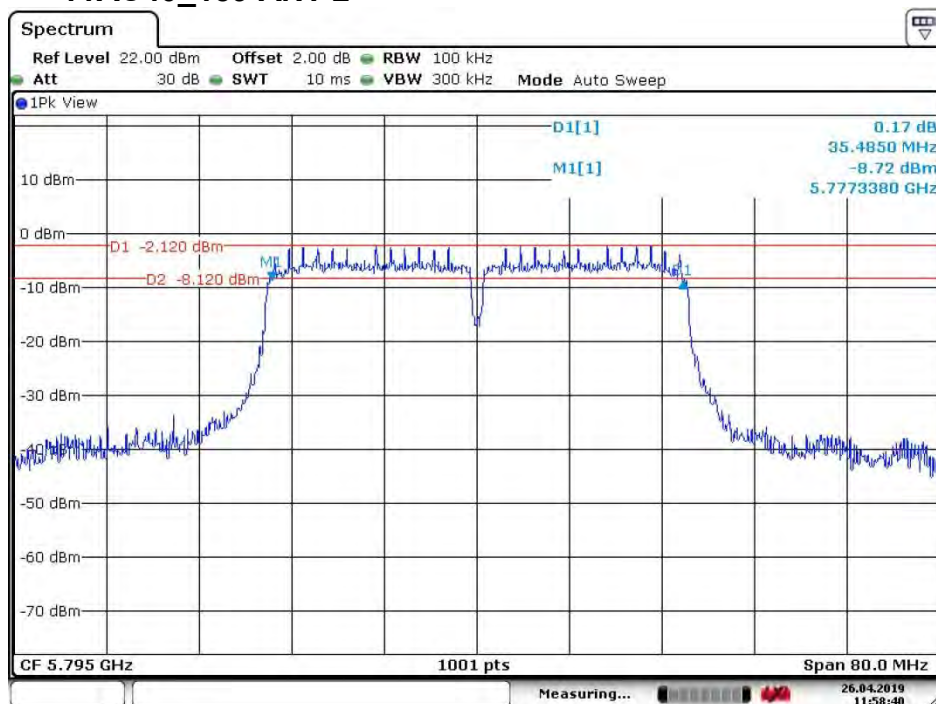


Date: 17.APR.2019 23:19:04

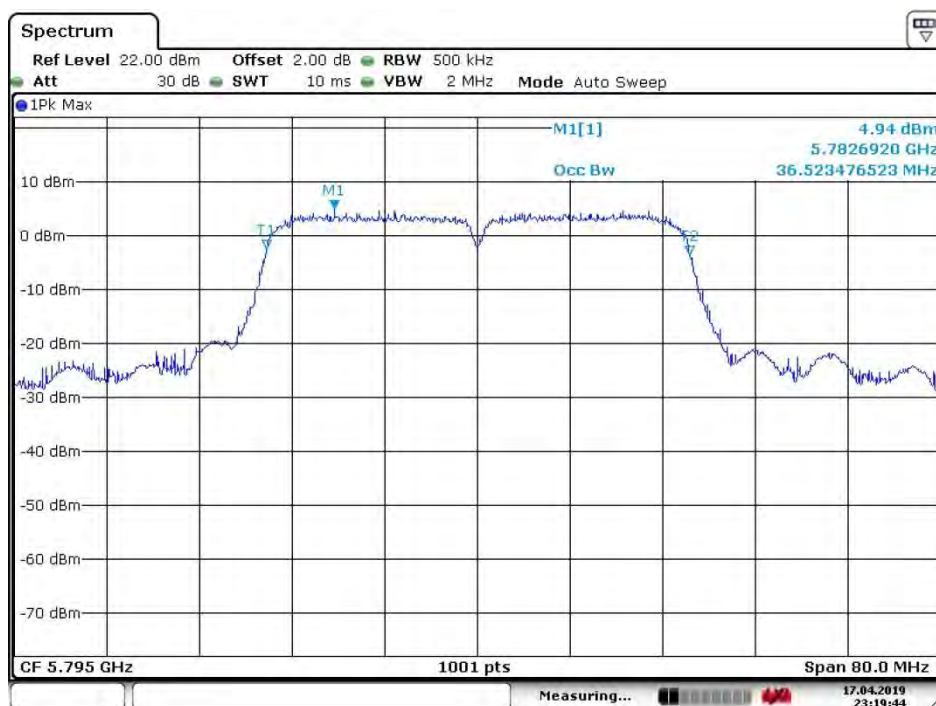


4.6.1.27

11AC40_159 ANT 2



Date: 26.APR.2019 11:58:40

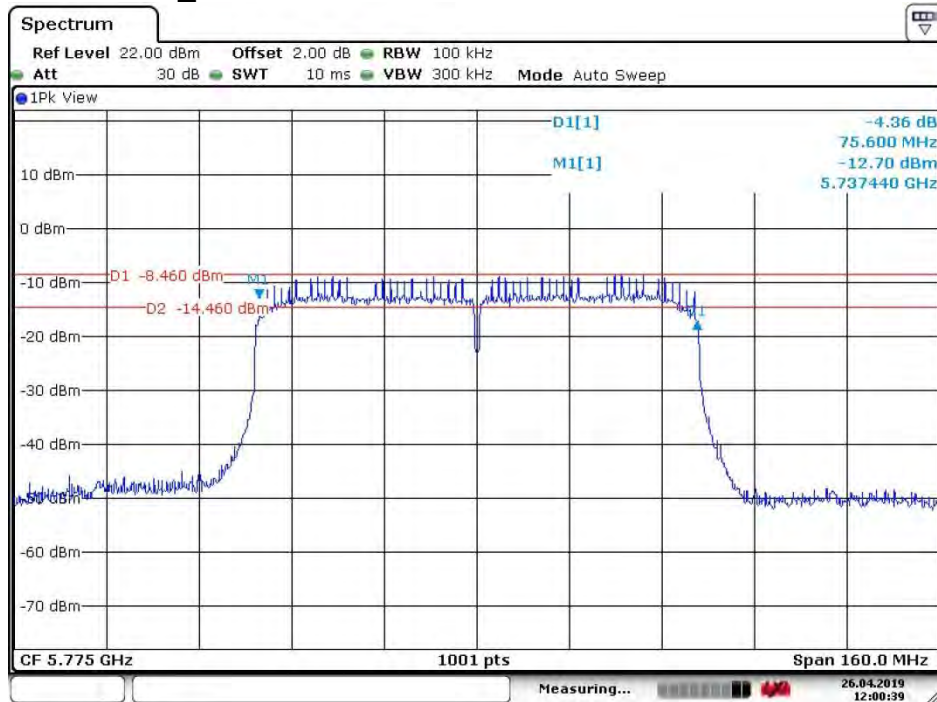


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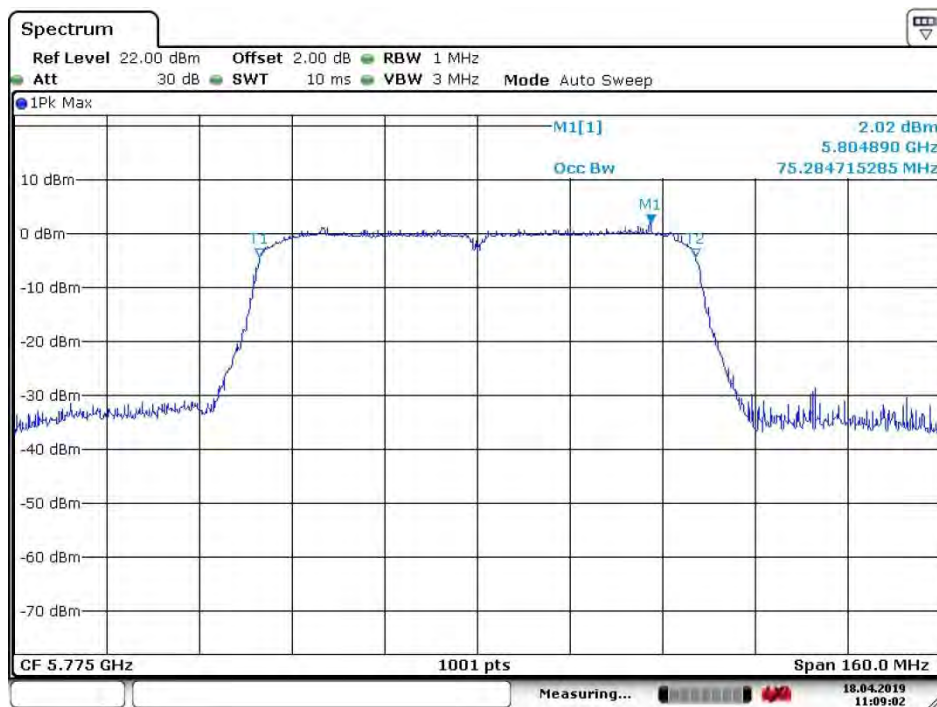


4.6.1.28

11AC80_155 ANT 2



Date: 26.APR.2019 12:00:39

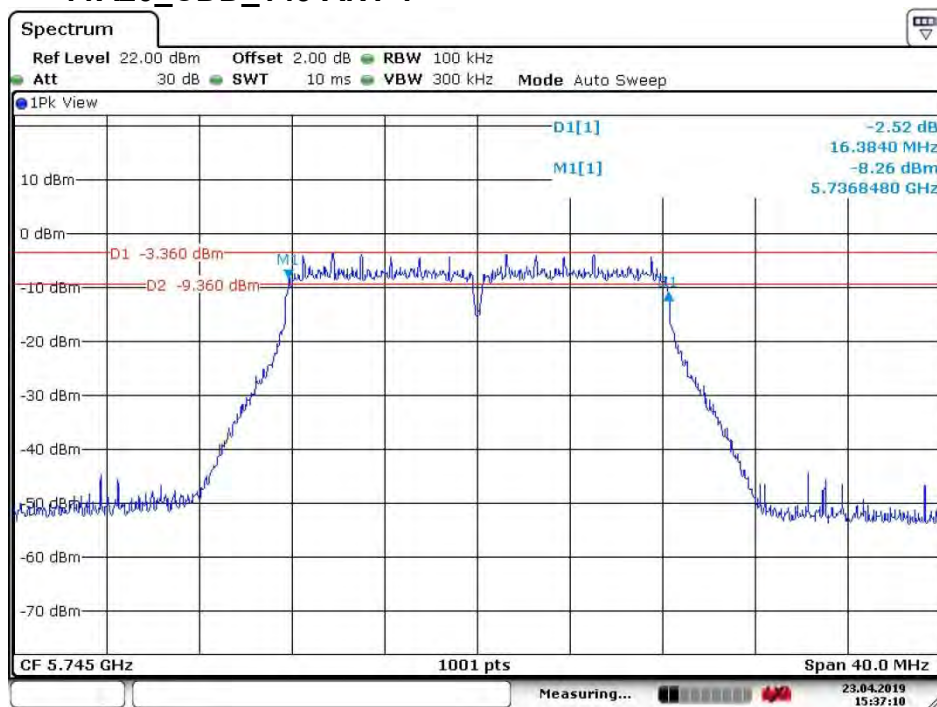


Date: 18.APR.2019 11:09:02

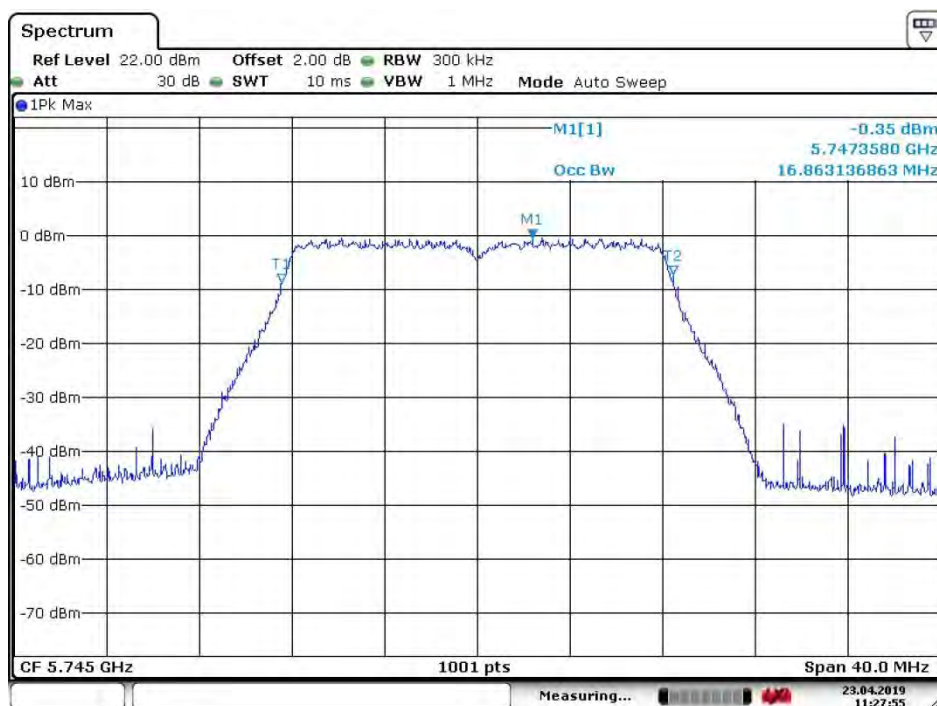


4.6.1.29

11A20 CDD 149 ANT 1



Date: 23.APR.2019 15:37:10



Date: 23 APR 2019 11:27:56



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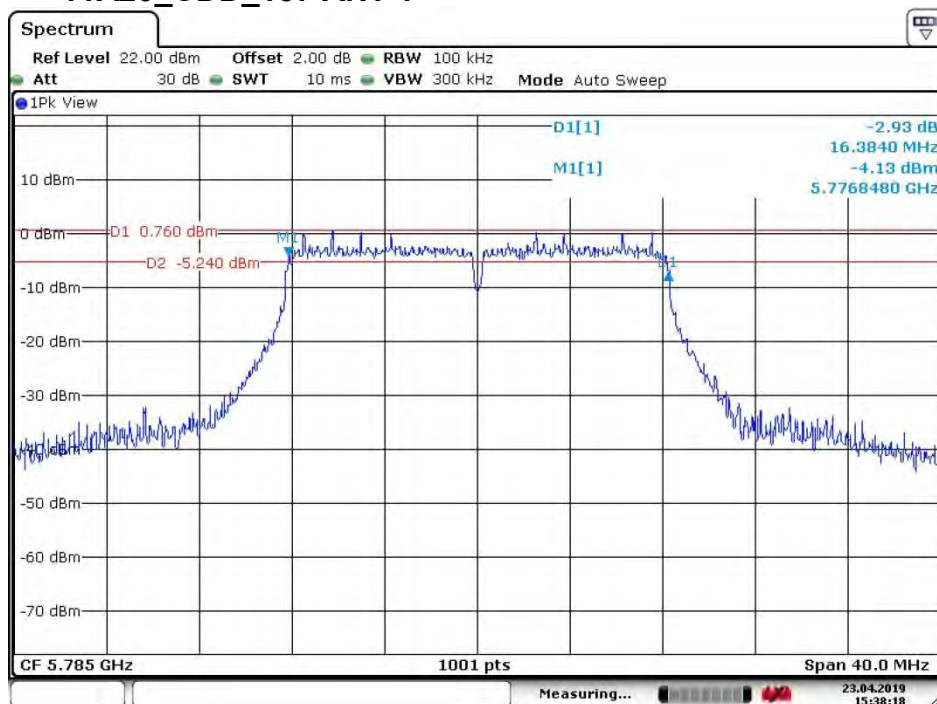
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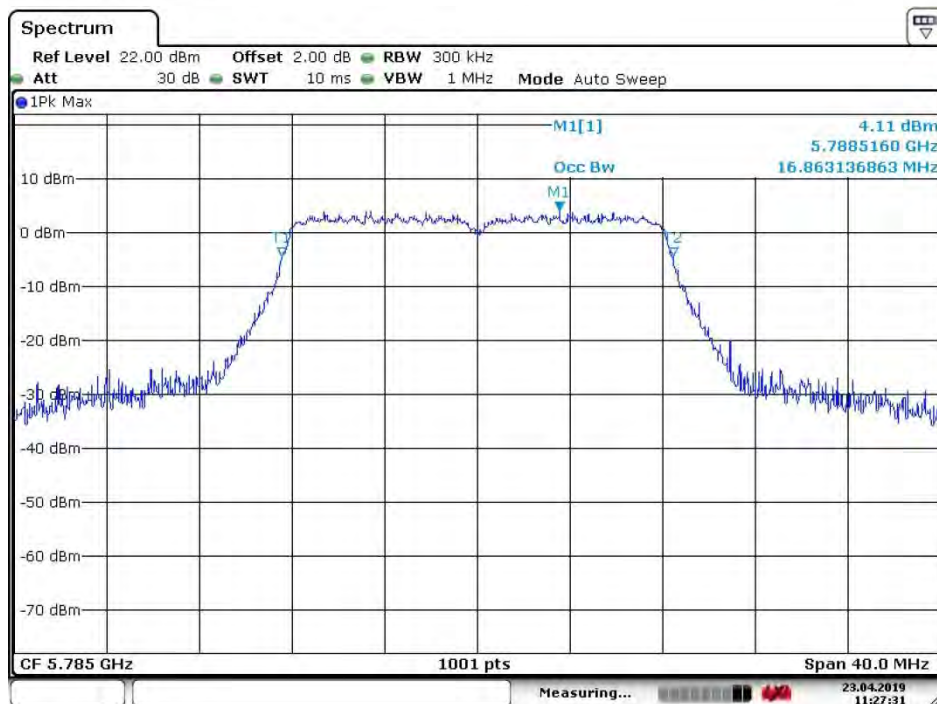
Member of the SGS Group (SGS SA)

4.6.1.30

11A20 CDD 157 ANT 1



Date: 23.APR.2019 15:38:18



Date: 23.APR.2019 11:27:31



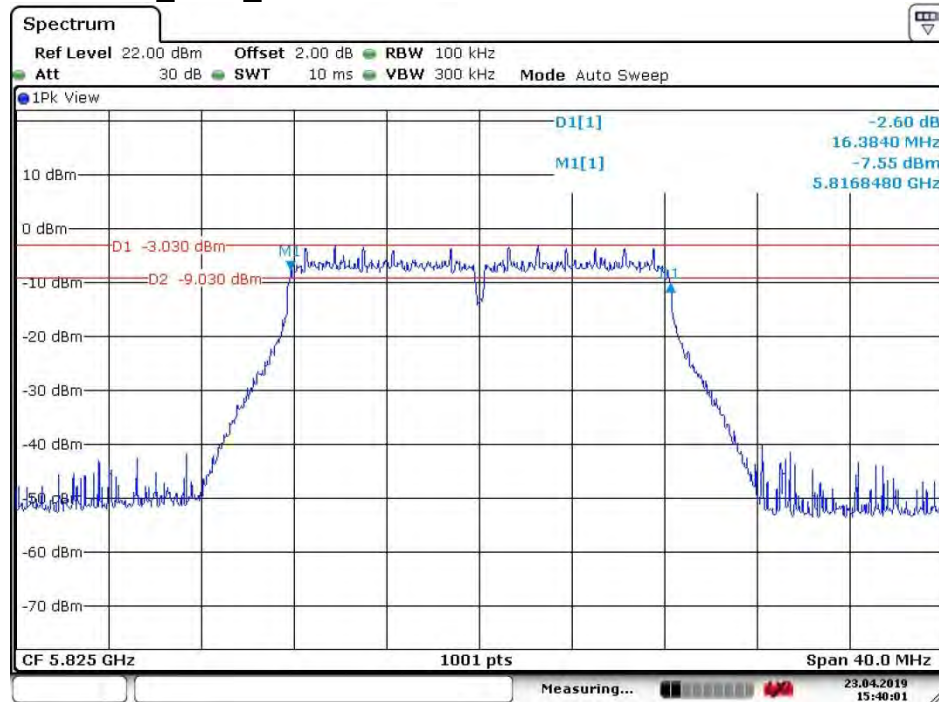
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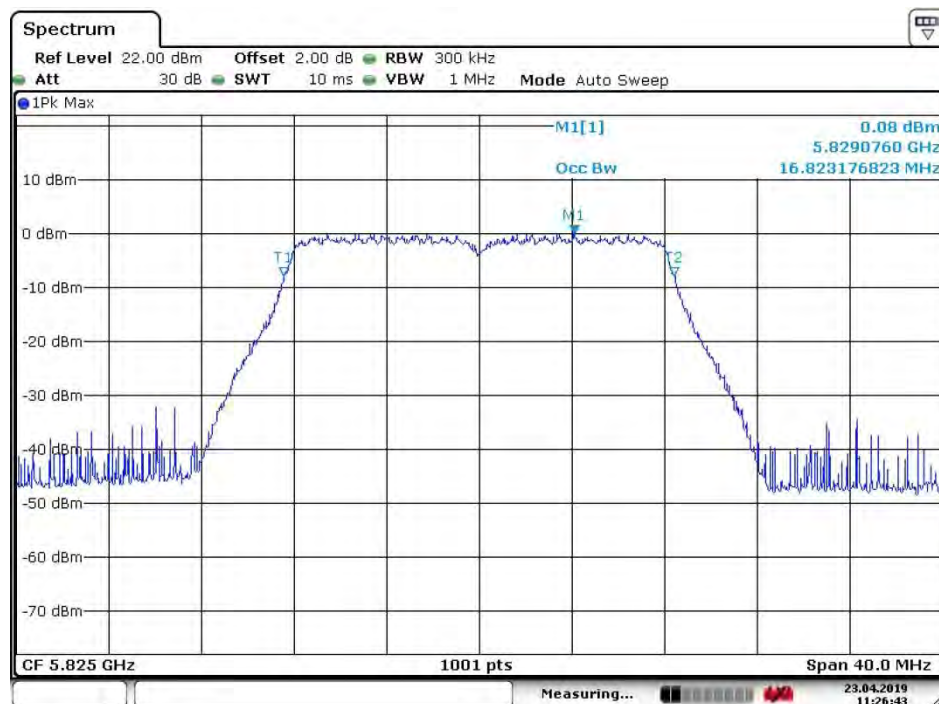
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4.6.1.31

11A20_CDD_165 ANT 1



Date: 23. APR. 2019 15:40:01

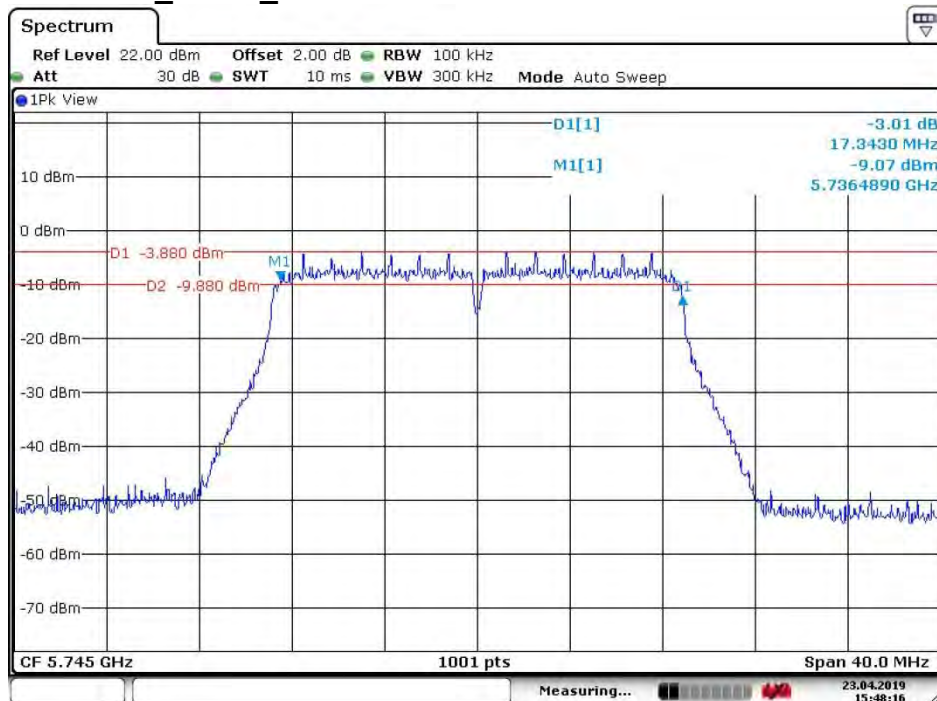


Date: 23. APR. 2019 11:26:43

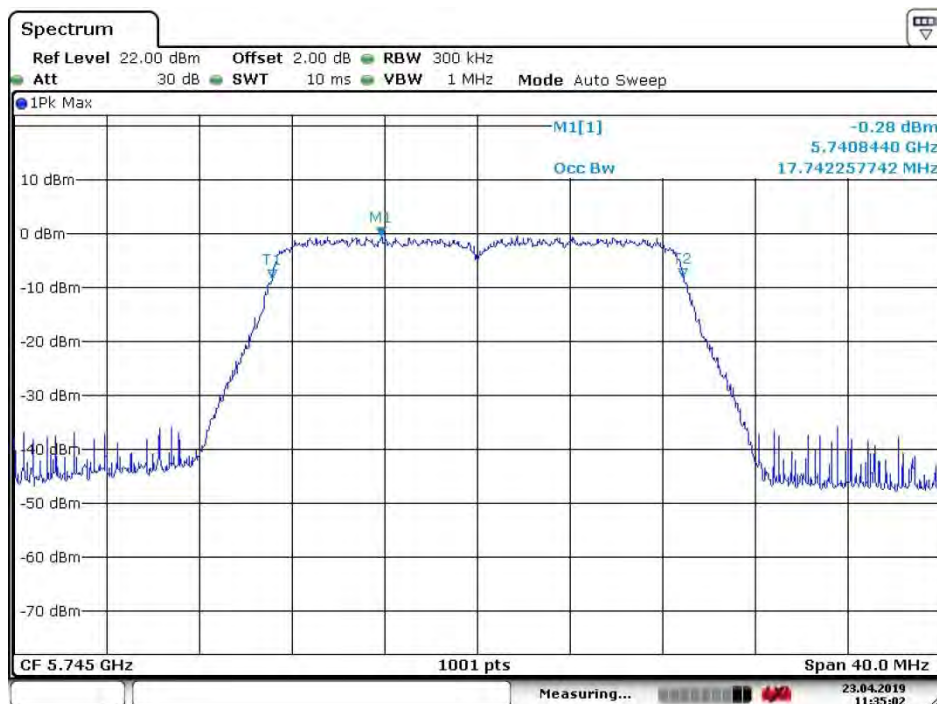


4.6.1.32

11N20_MIMO_149 ANT 1



Date: 23.APR.2019 15:48:17

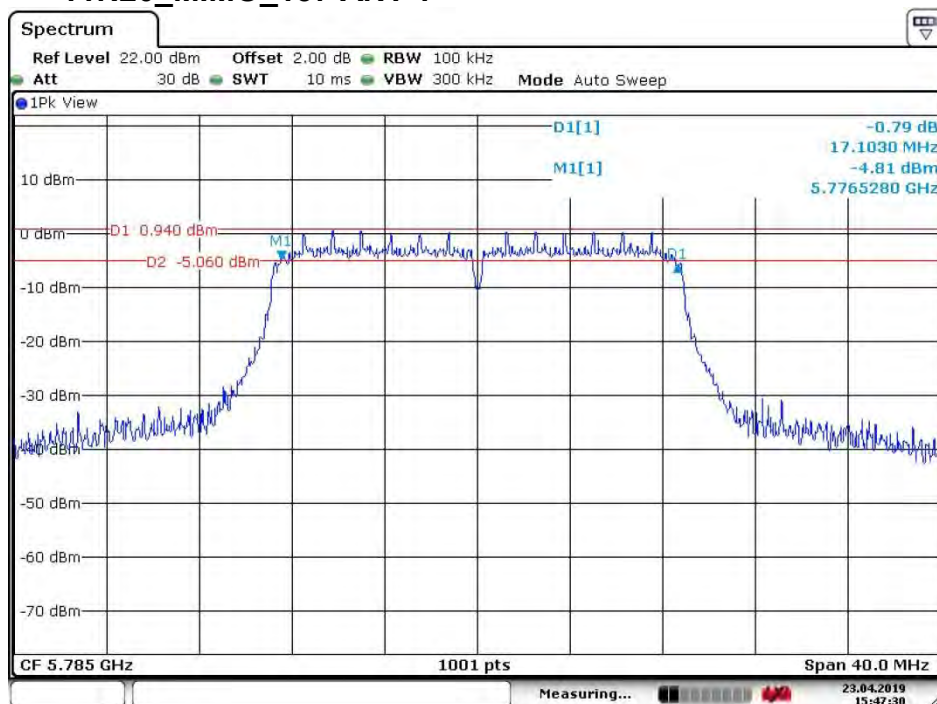


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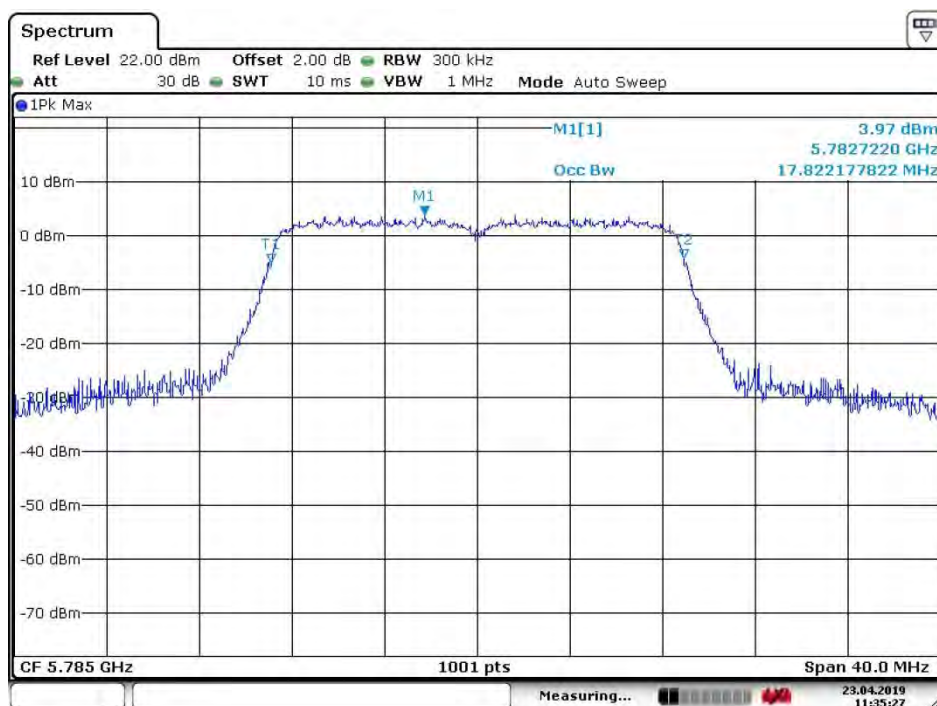


4.6.1.33

11N20_MIMO_157 ANT 1



Date: 23.APR.2019 15:47:30

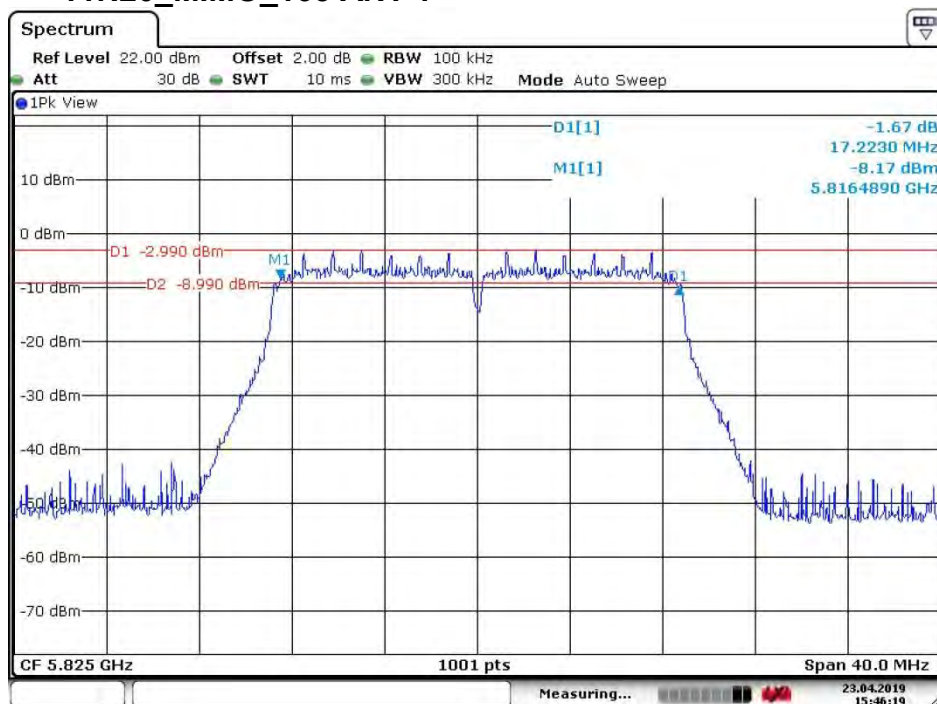


Date: 23.APR.2019 11:35:27

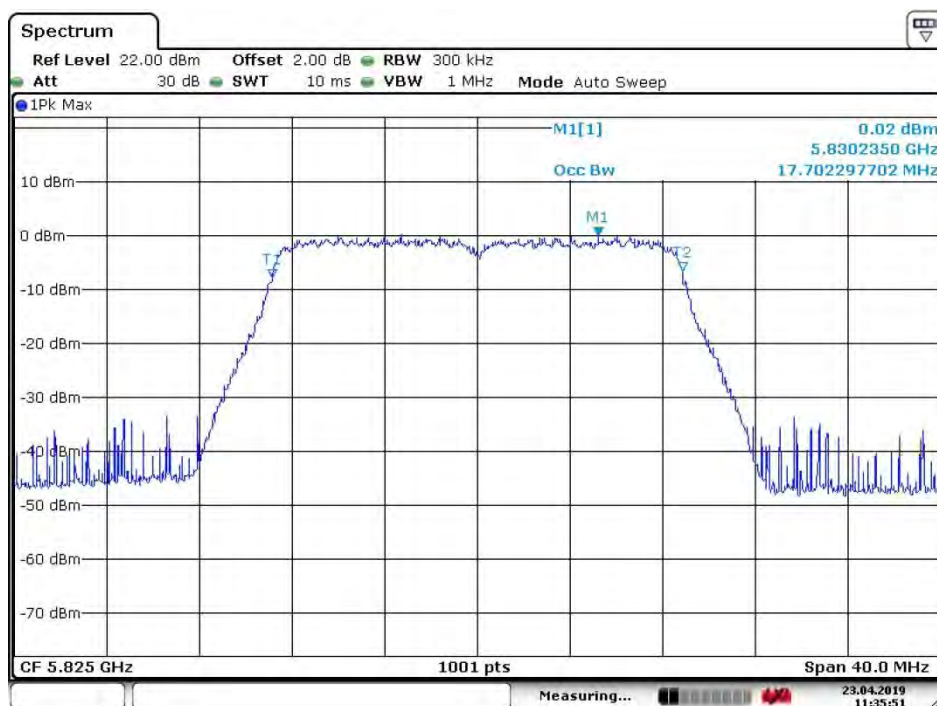


4.6.1.34

11N20_MIMO_165 ANT 1



Date: 23.APR.2019 15:46:20

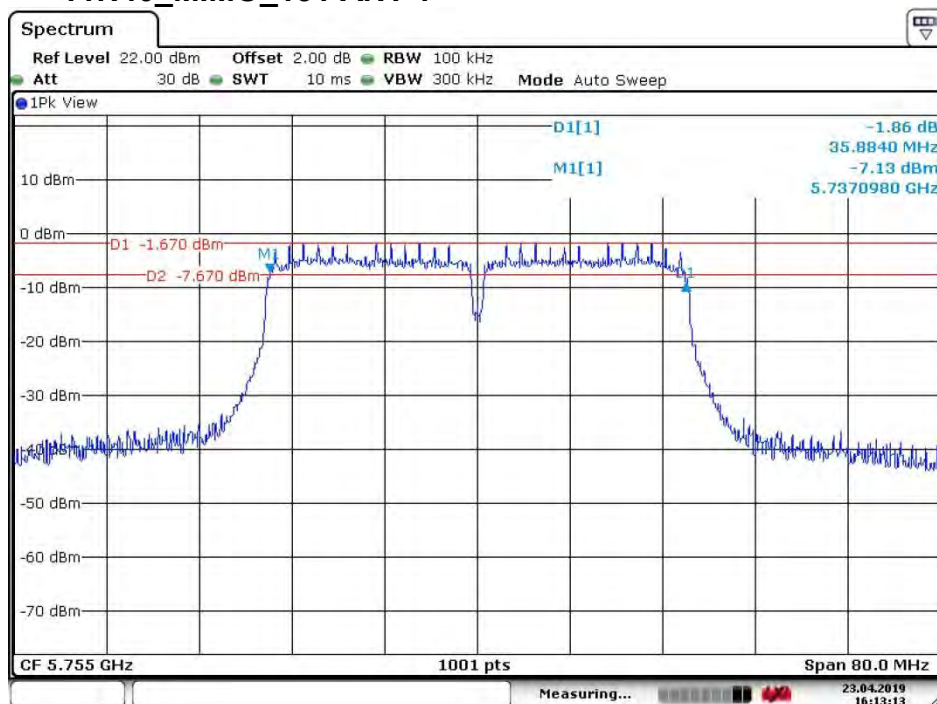


Date: 23.APR.2019 11:35:51

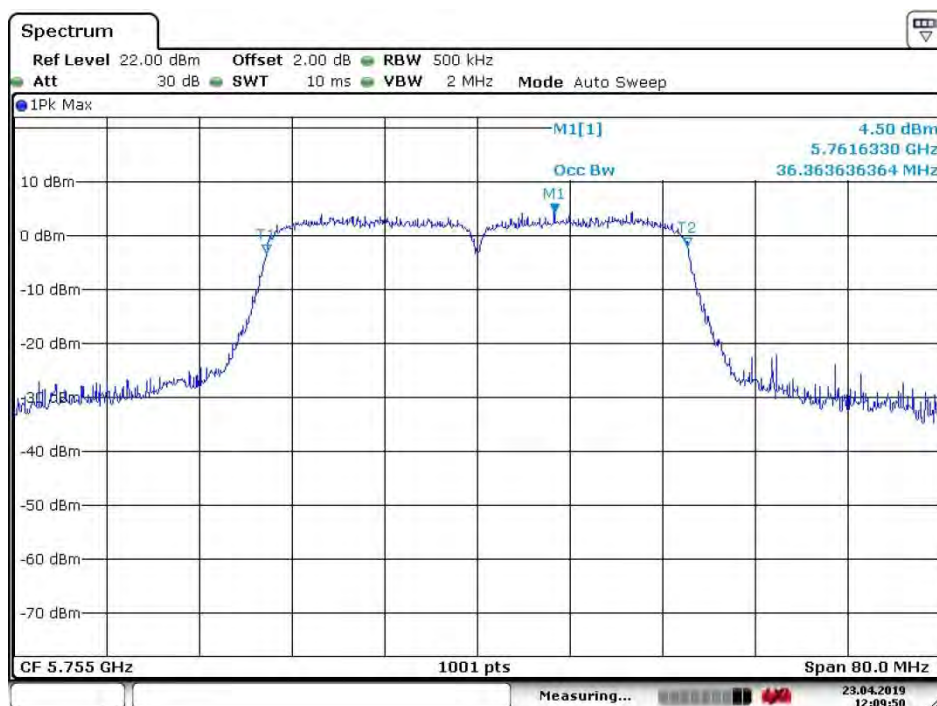


4.6.1.35

11N40_MIMO_151 ANT 1



Date: 23.APR.2019 16:13:14

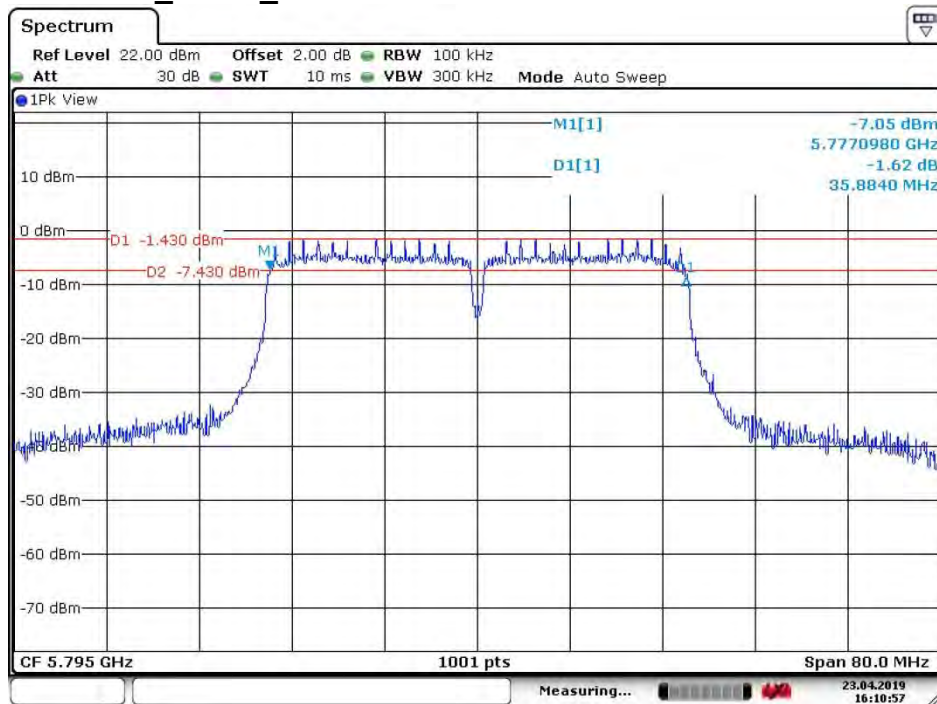


Date: 23.APR.2019 12:09:50

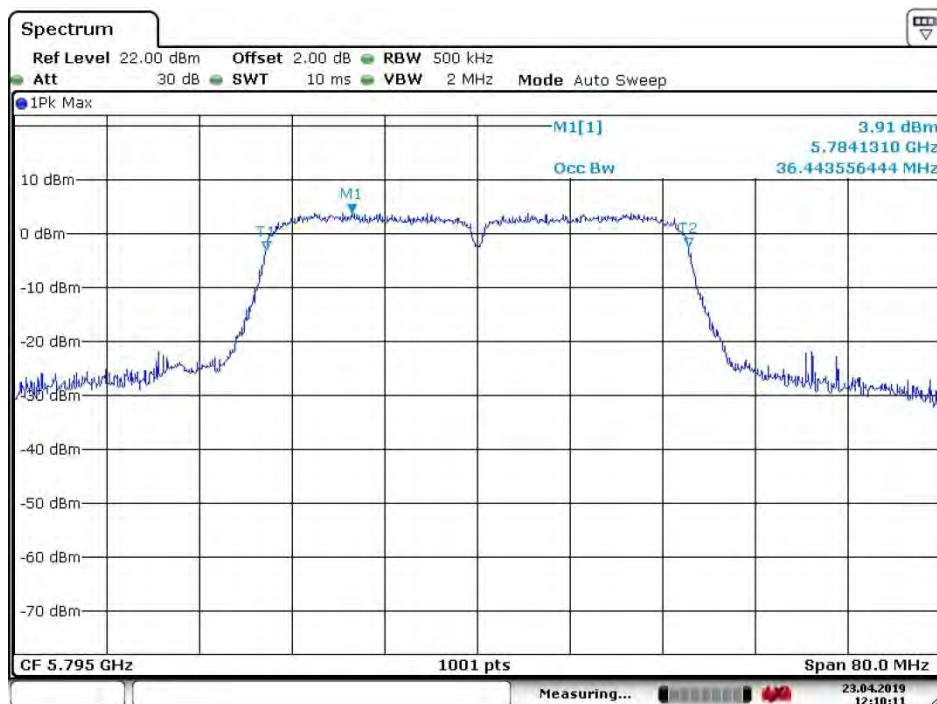


4.6.1.36

11N40_MIMO_159 ANT 1



Date: 23.APR.2019 16:10:57

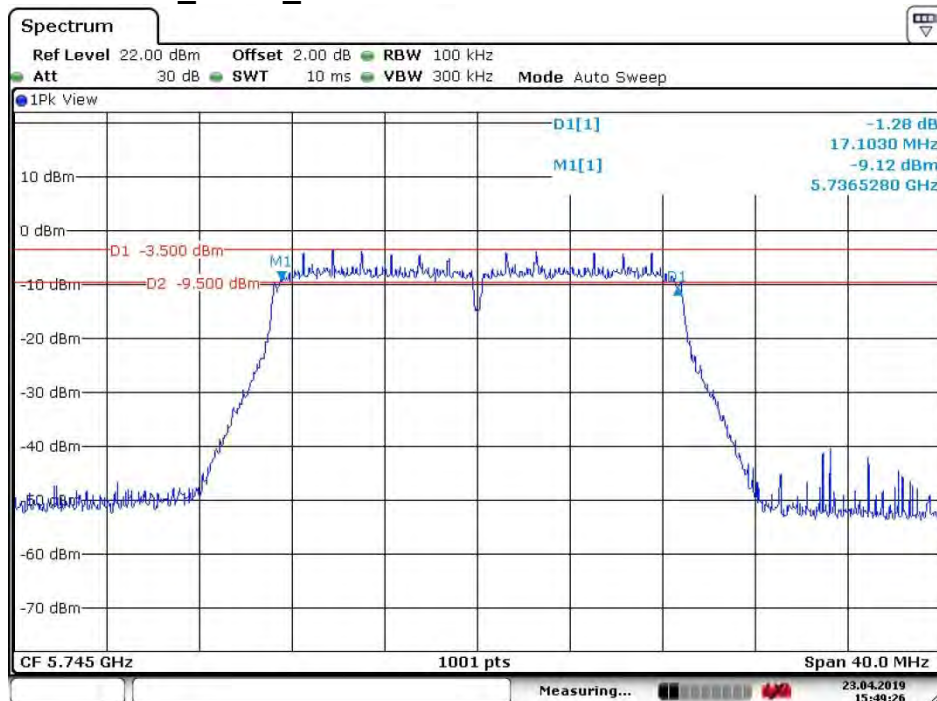


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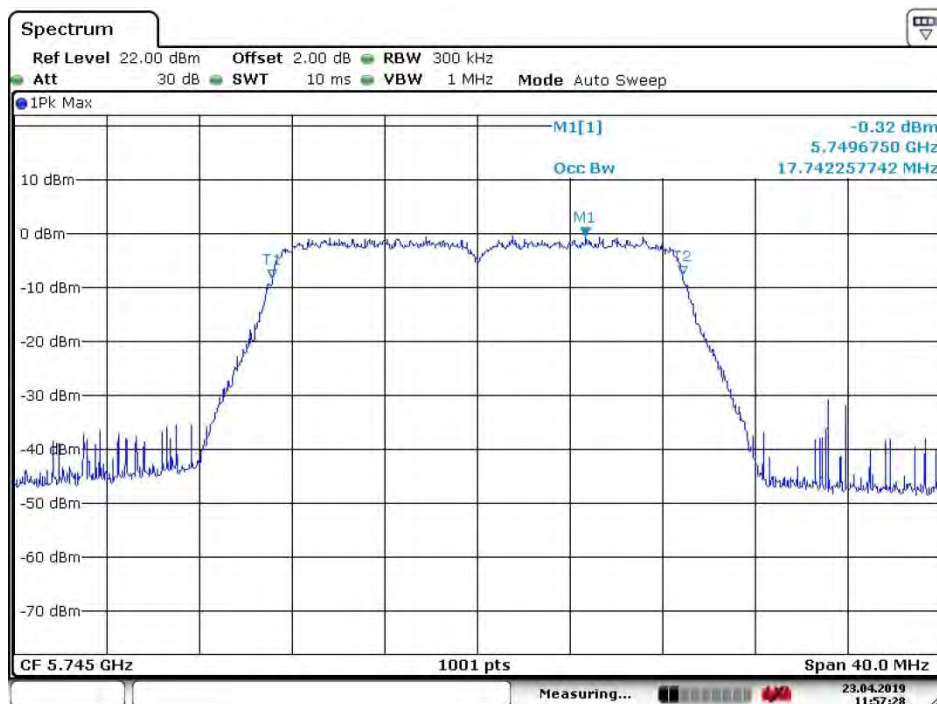


4.6.1.37

11AC20_MIMO_149 ANT 1



Date: 23.APR.2019 15:49:26

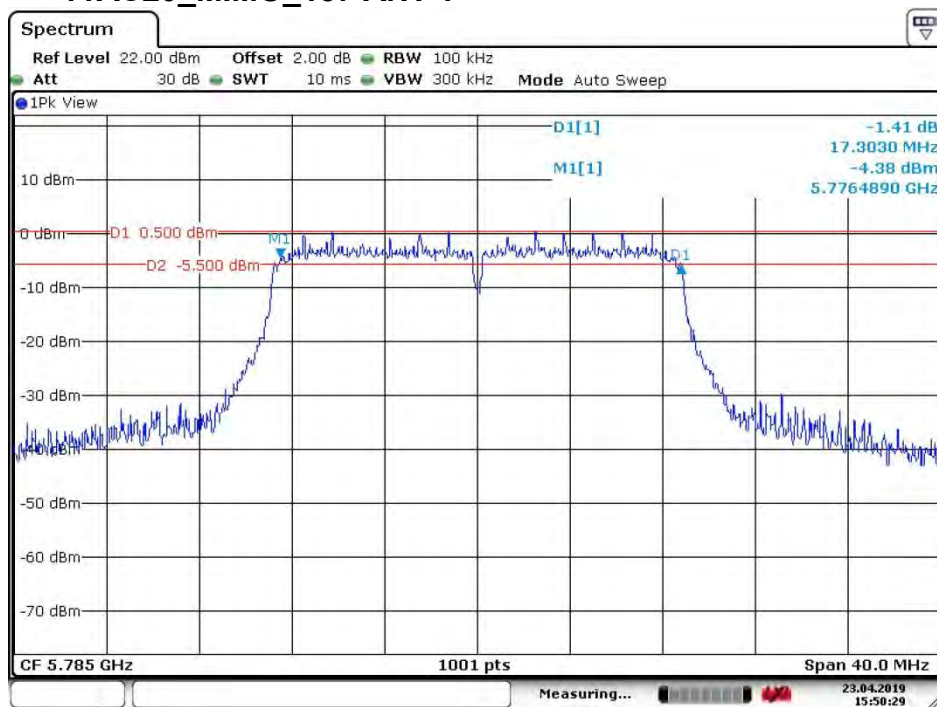


Date: 23.APR.2019 11:57:28

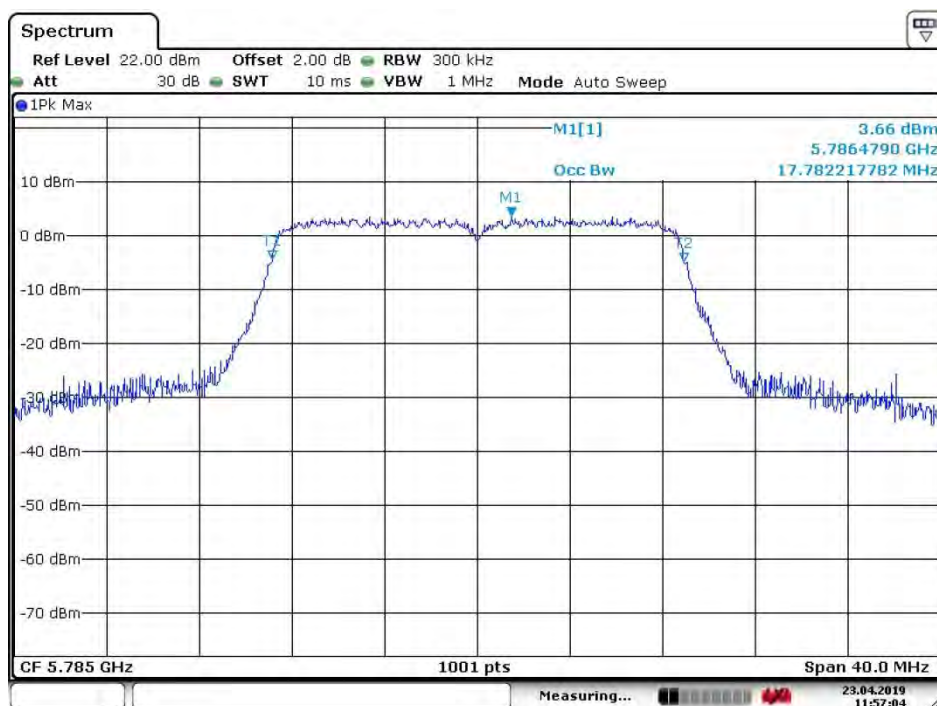


4.6.1.38

11AC20_MIMO_157 ANT 1



Date: 23.APR.2019 15:50:29

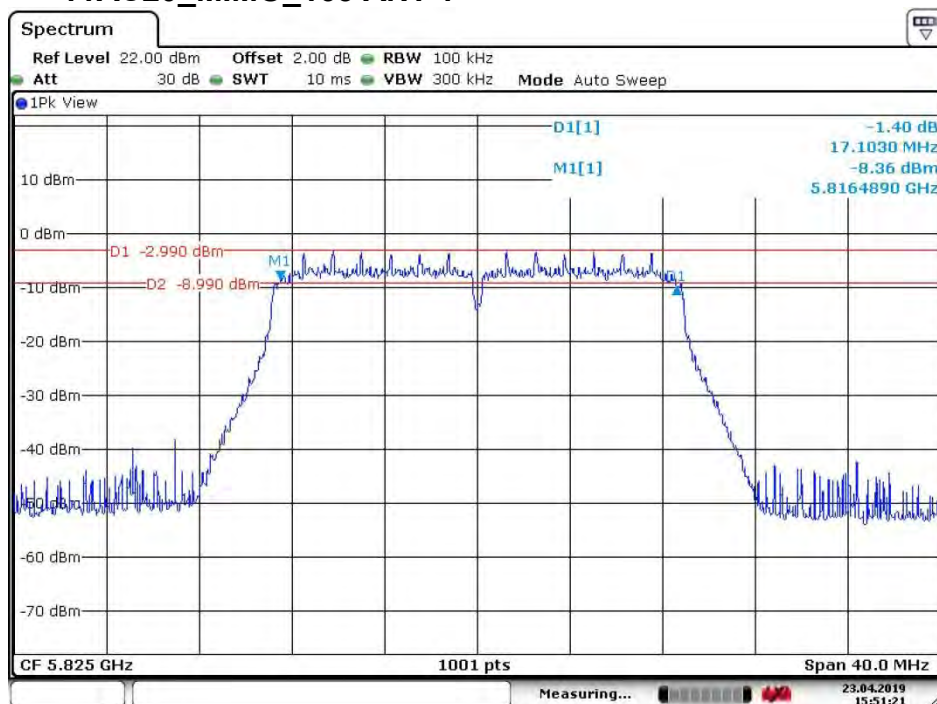


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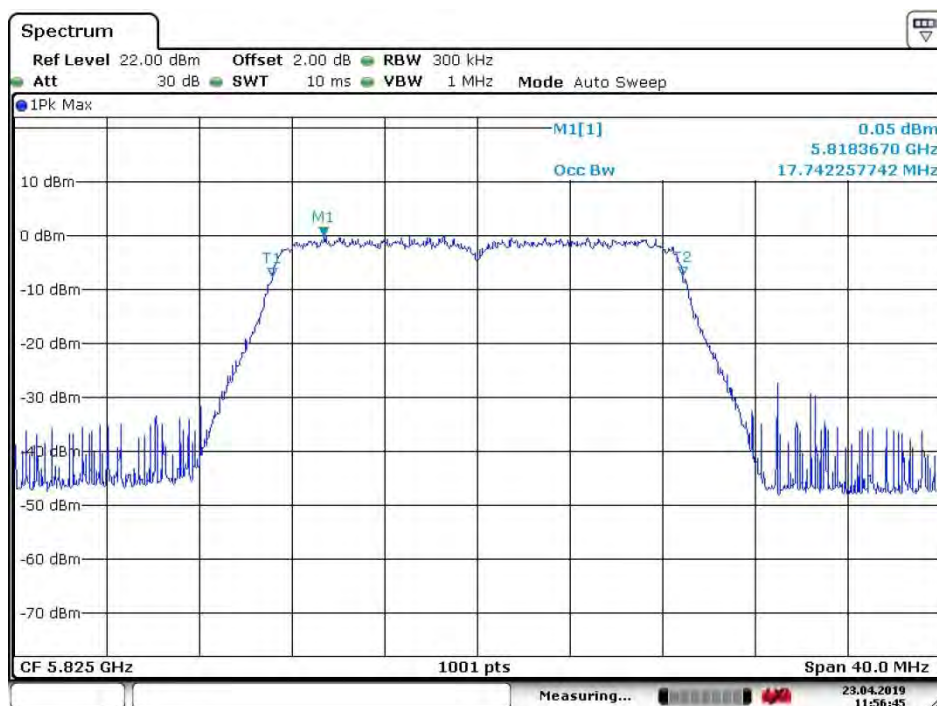


4.6.1.39

11AC20_MIMO_165 ANT 1



Date: 23.APR.2019 15:51:21

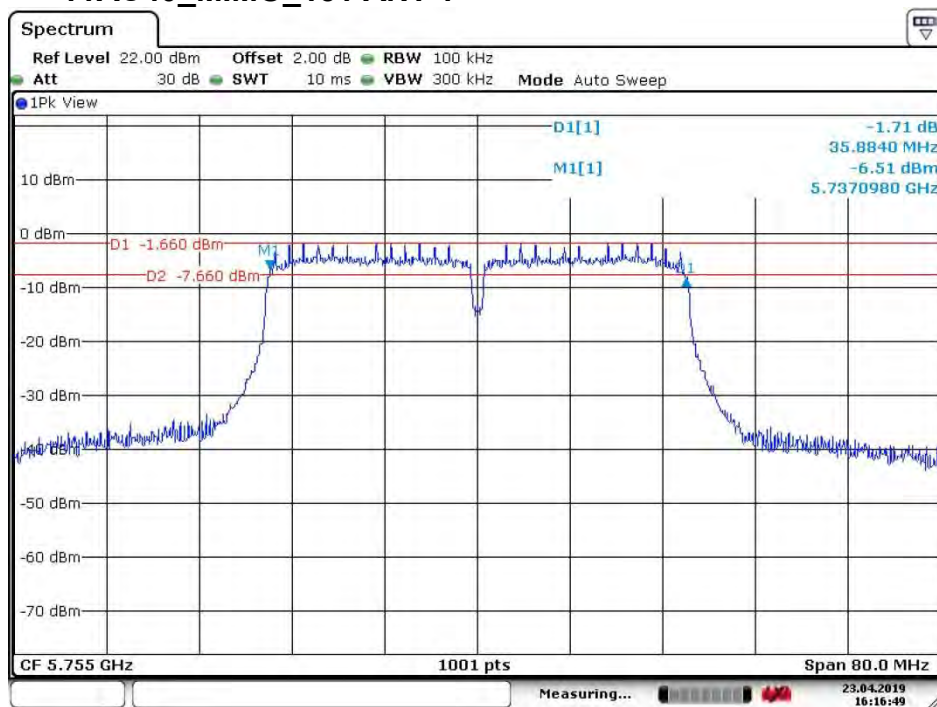


Date: 23.APR.2019 11:56:46

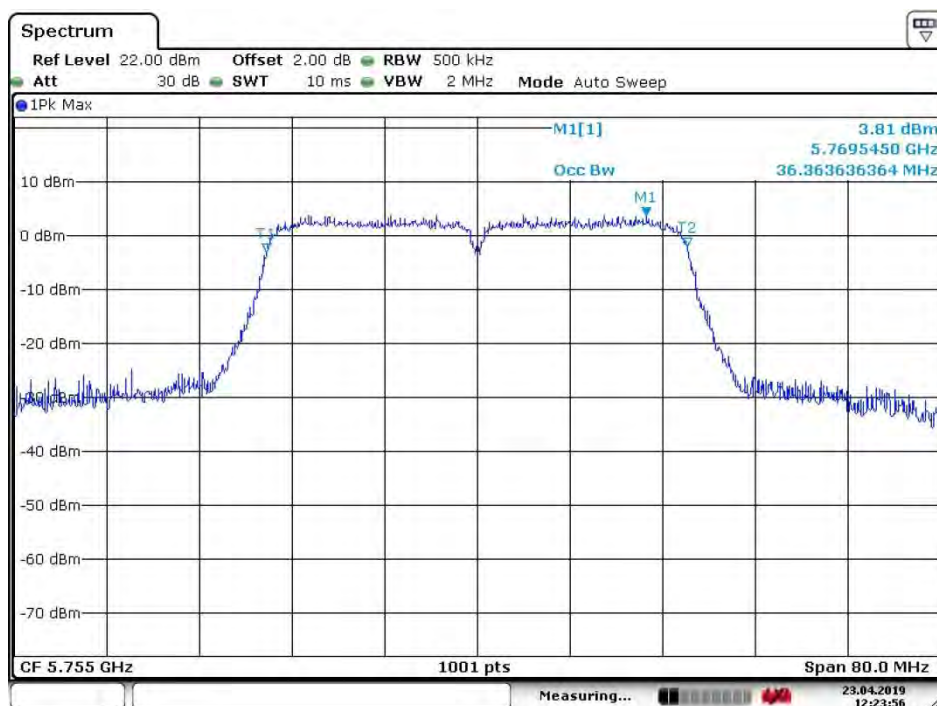


4.6.1.40

11AC40_MIMO_151 ANT 1



Date: 23.APR.2019 16:16:49

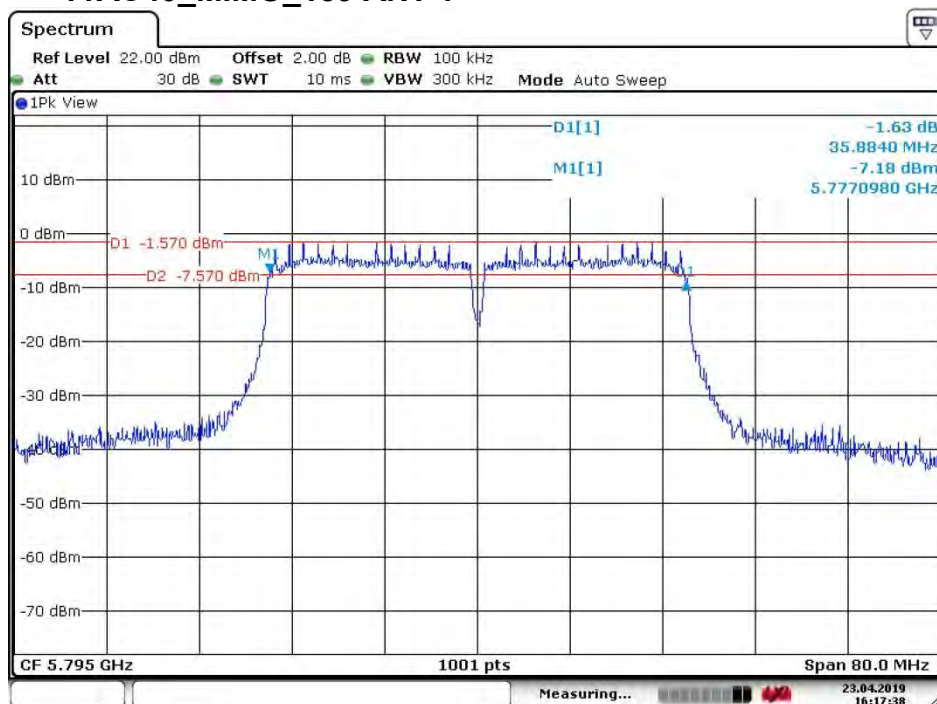


Date: 23.APR.2019 12:23:57

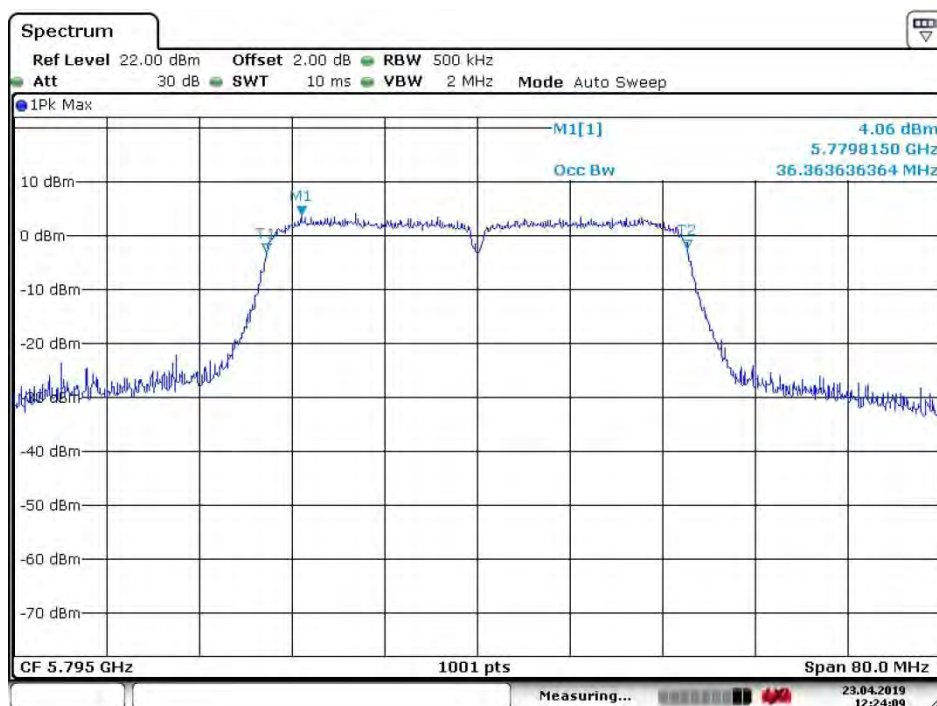


4.6.1.41

11AC40_MIMO_159 ANT 1



Date: 23.APR.2019 16:17:38

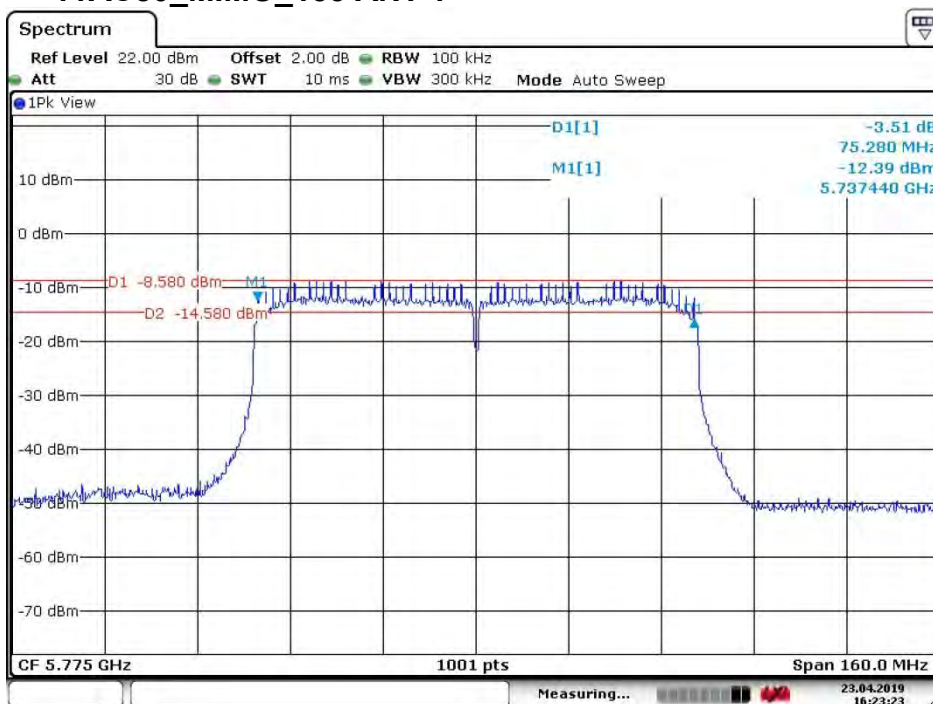


Date: 23.APR.2019 12:24:09

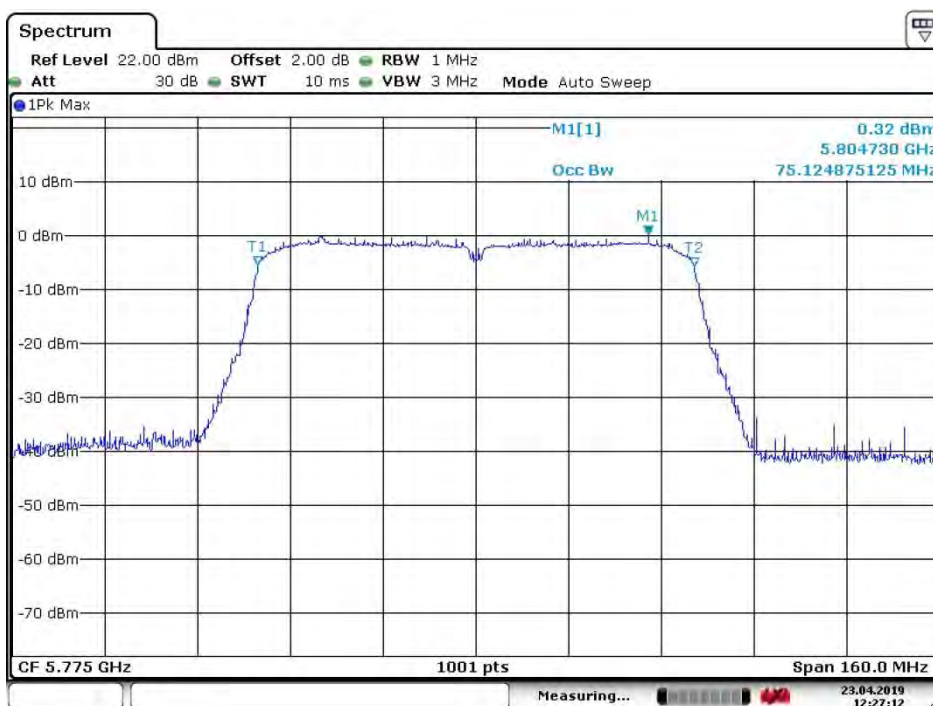


4.6.1.42

11AC80_MIMO_155 ANT 1



Date: 23.APR.2019 16:23:23



Date: 23.APR.2019 12:27:13

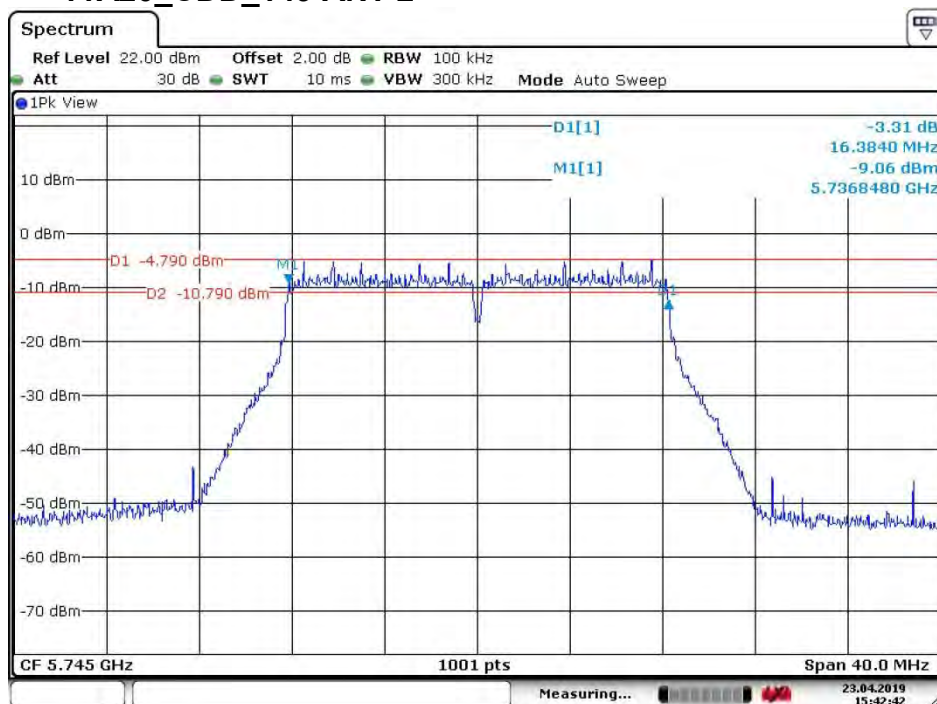


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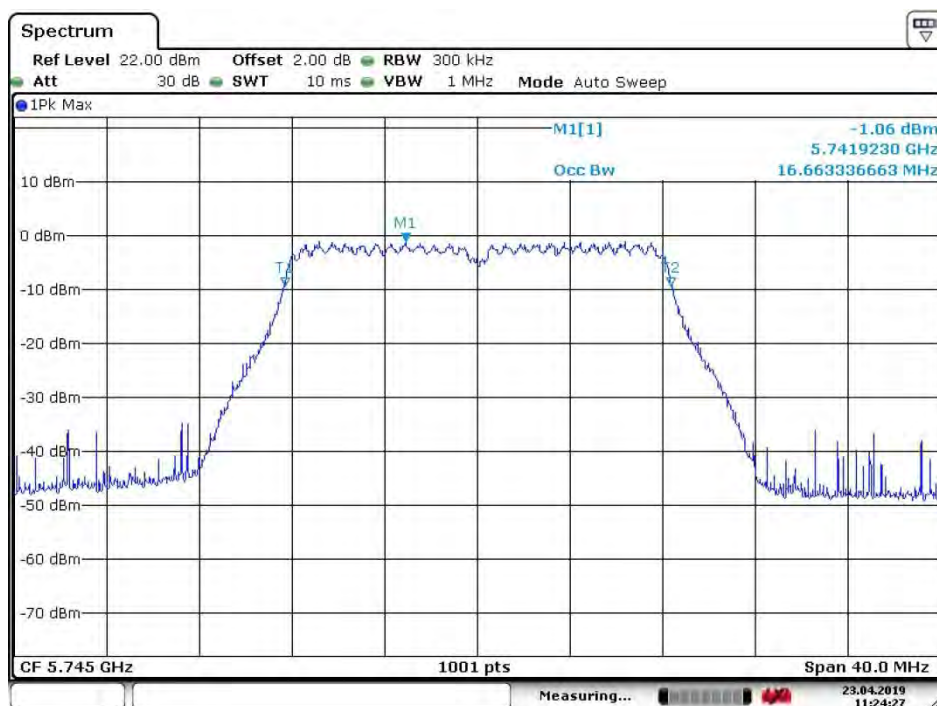
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4.6.1.43

11A20 CDD 149 ANT 2



Date: 23.APR.2019 15:42:42



Date: 23 APR 2019 11:24:27



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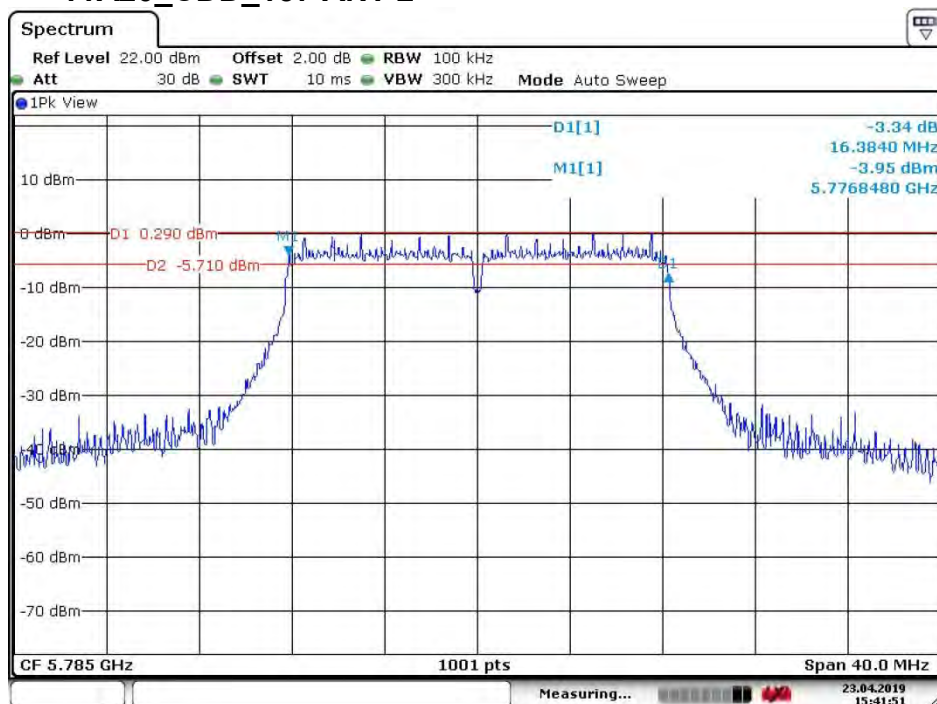
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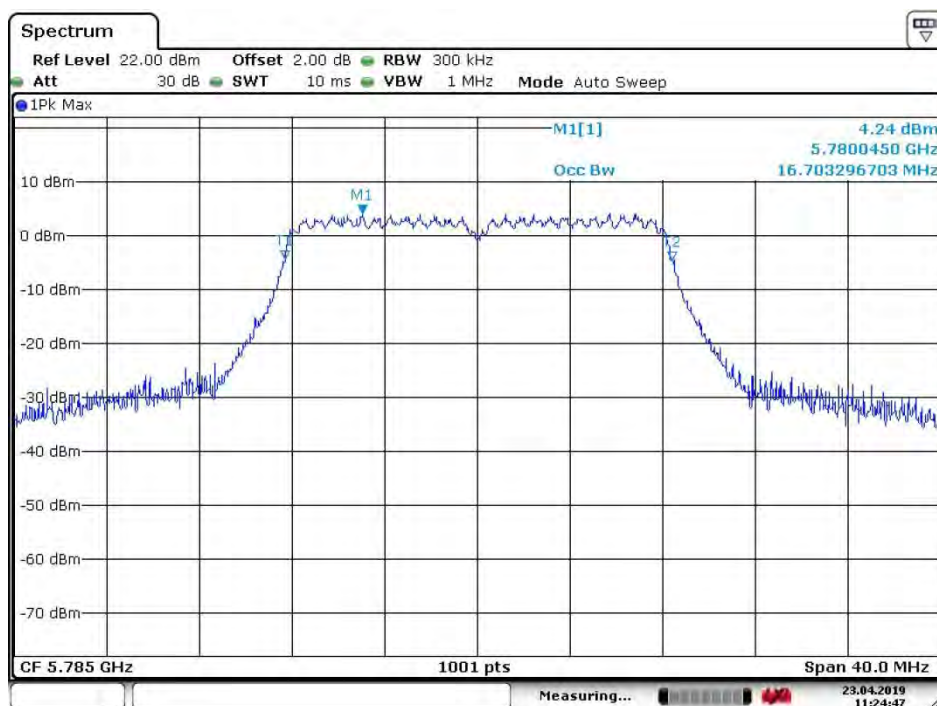
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4.6.1.44

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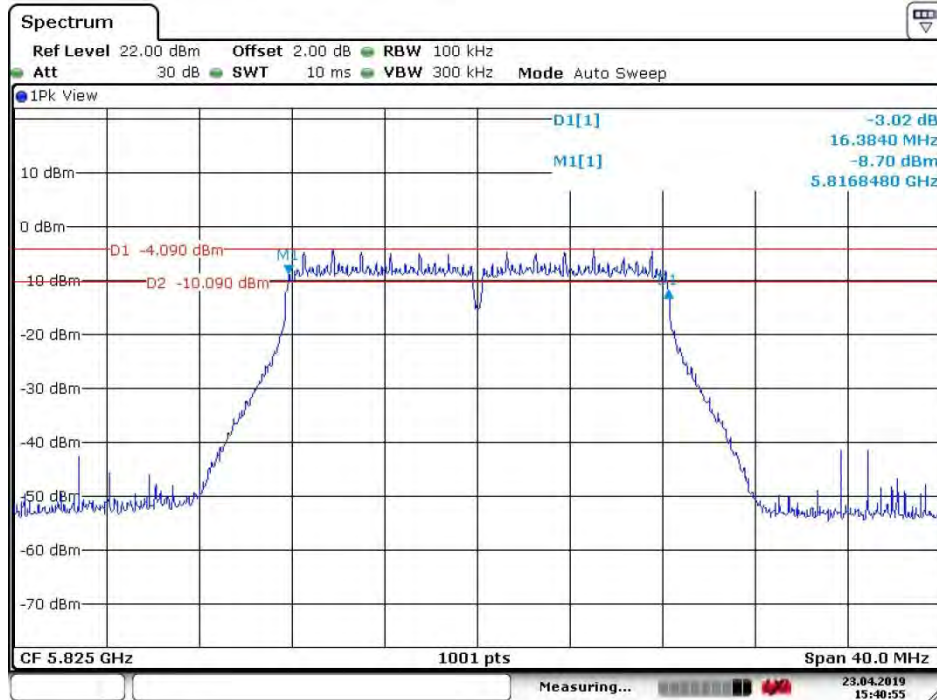
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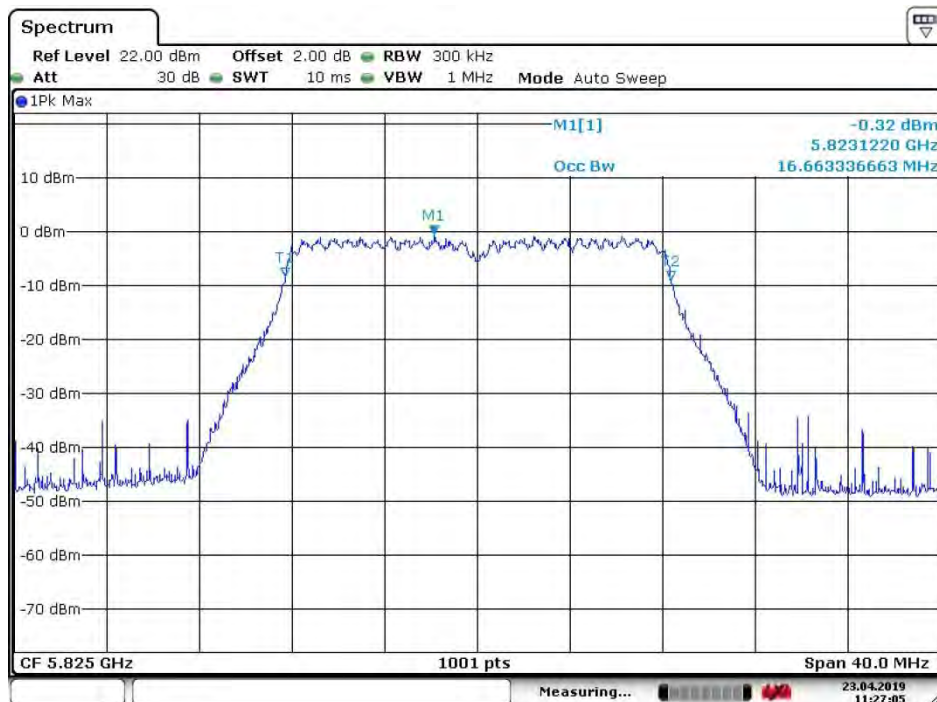
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4.6.1.45

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