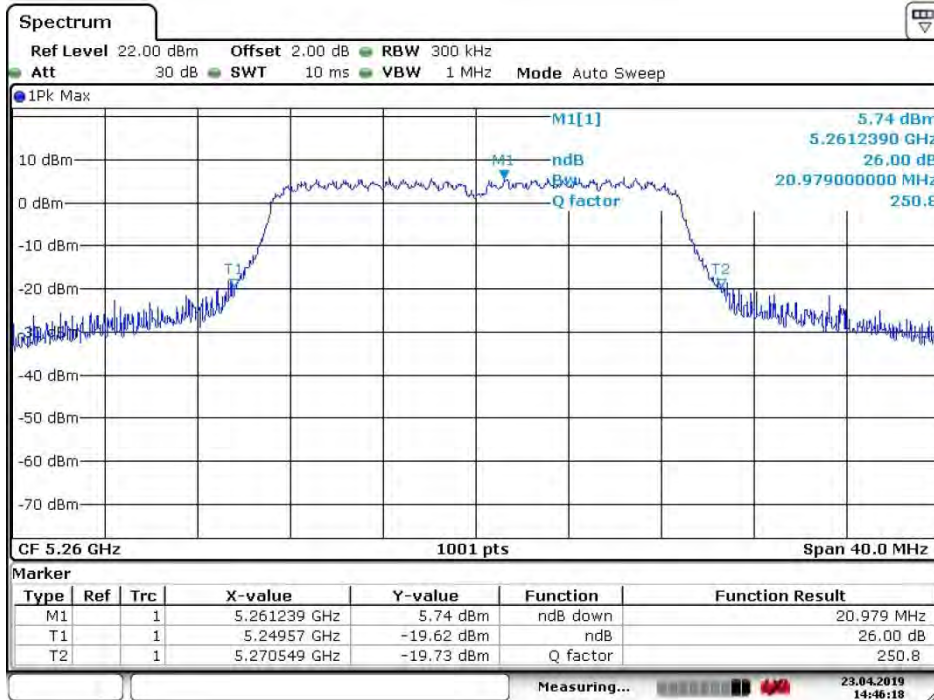
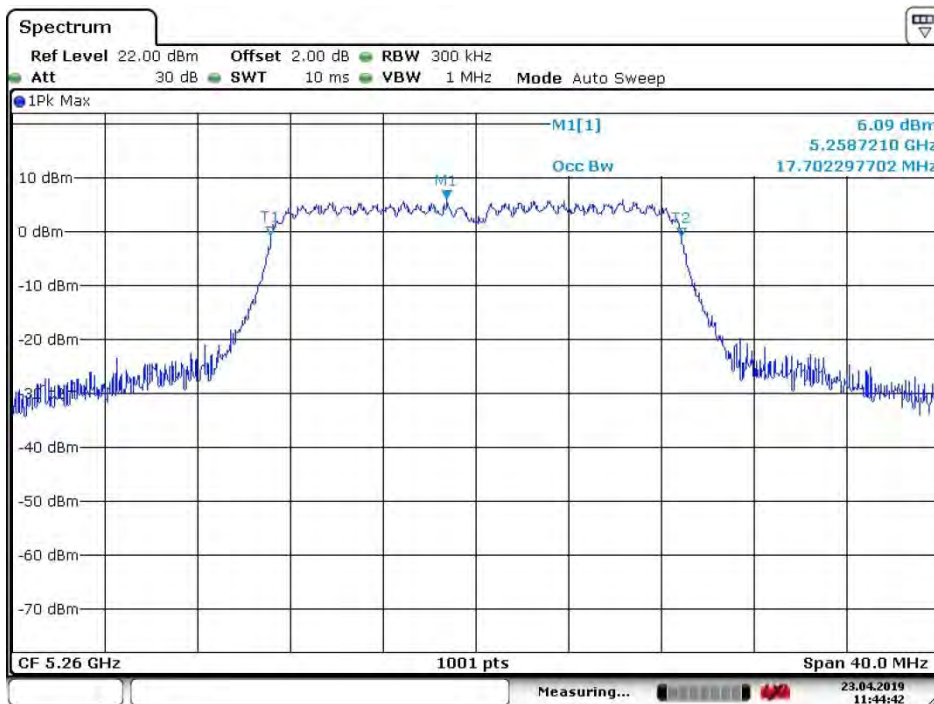


**4.5.2.170 11AC20\_MIMO\_52 ANT 2**



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

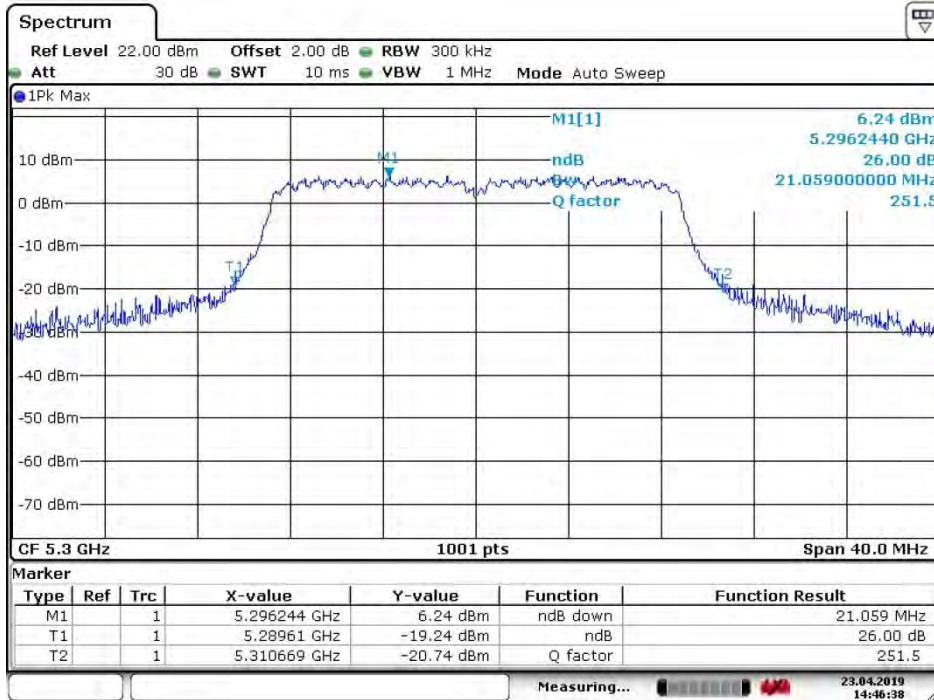


Date: 23.APR.2019 11:44:42

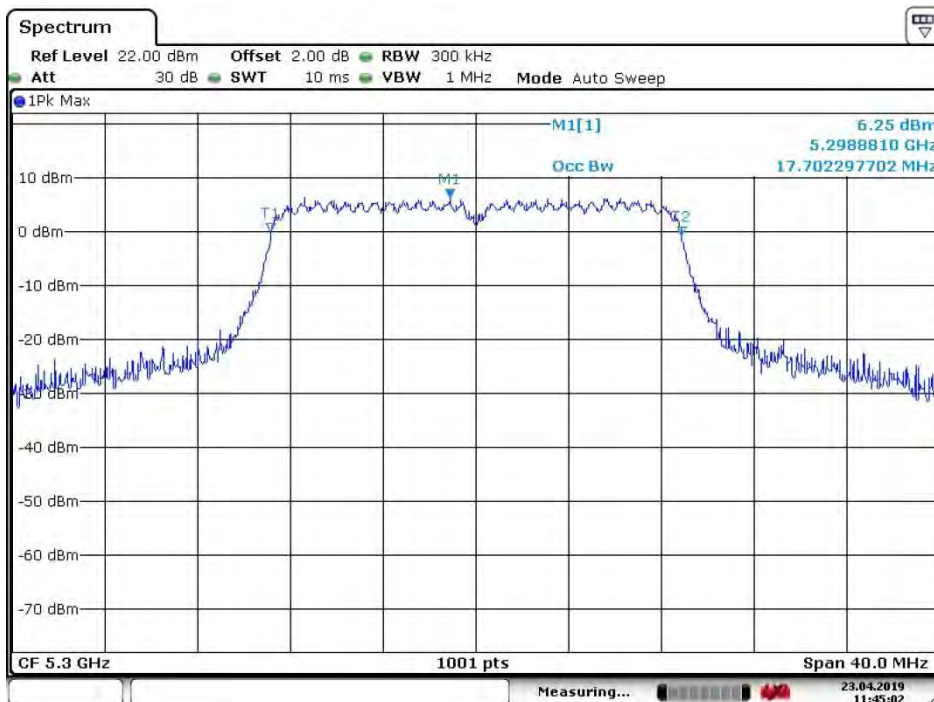


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4.5.2.171 11AC20\_MIMO\_60 ANT 2



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

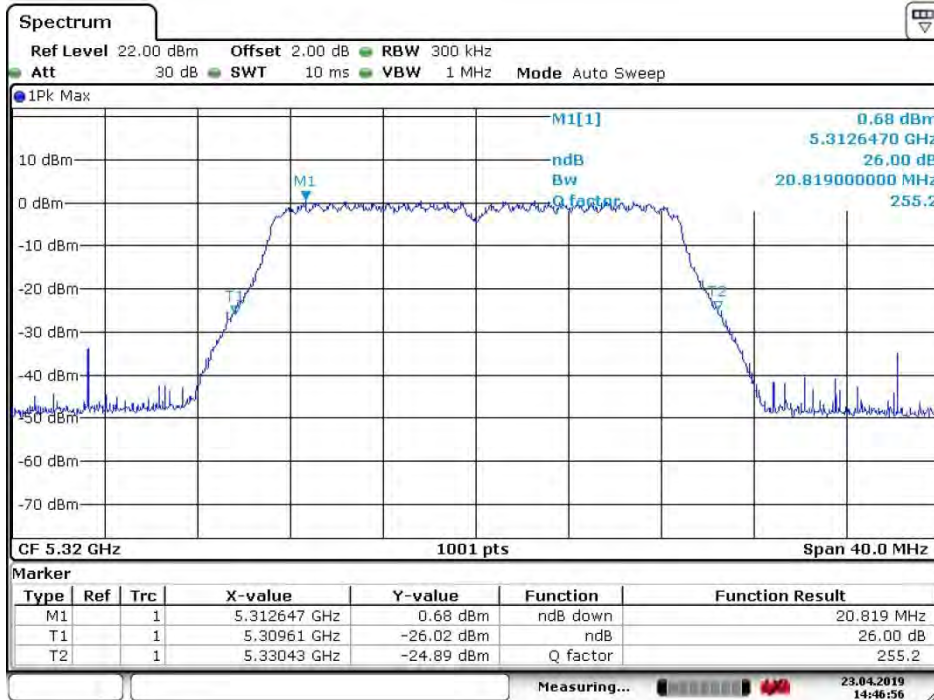


Date: 23.APR.2019 11:45:02

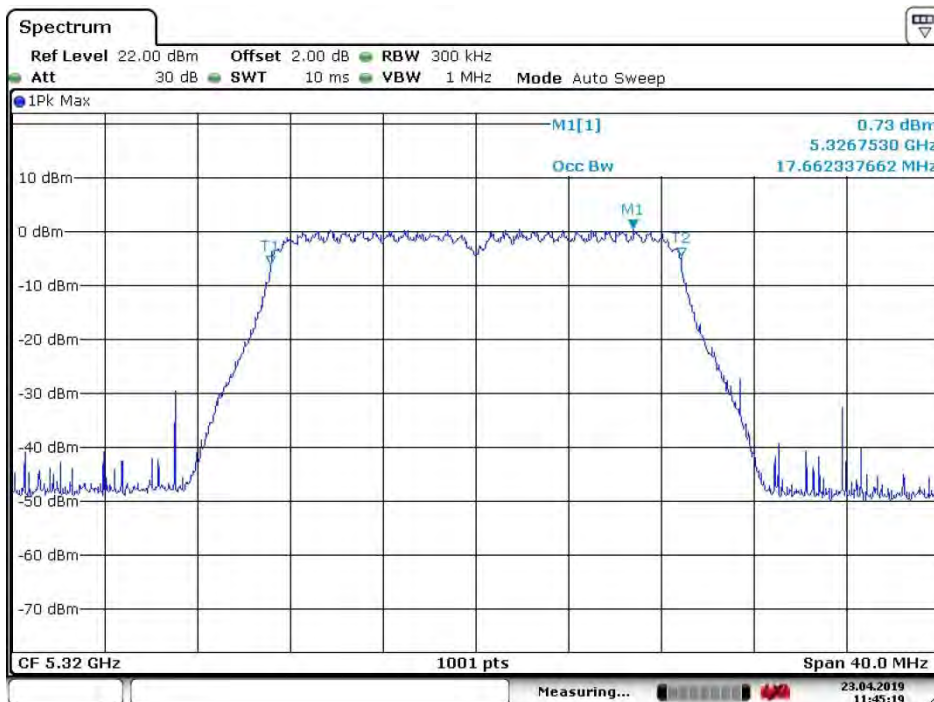


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4.5.2.172 11AC20\_MIMO\_64 ANT 2



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

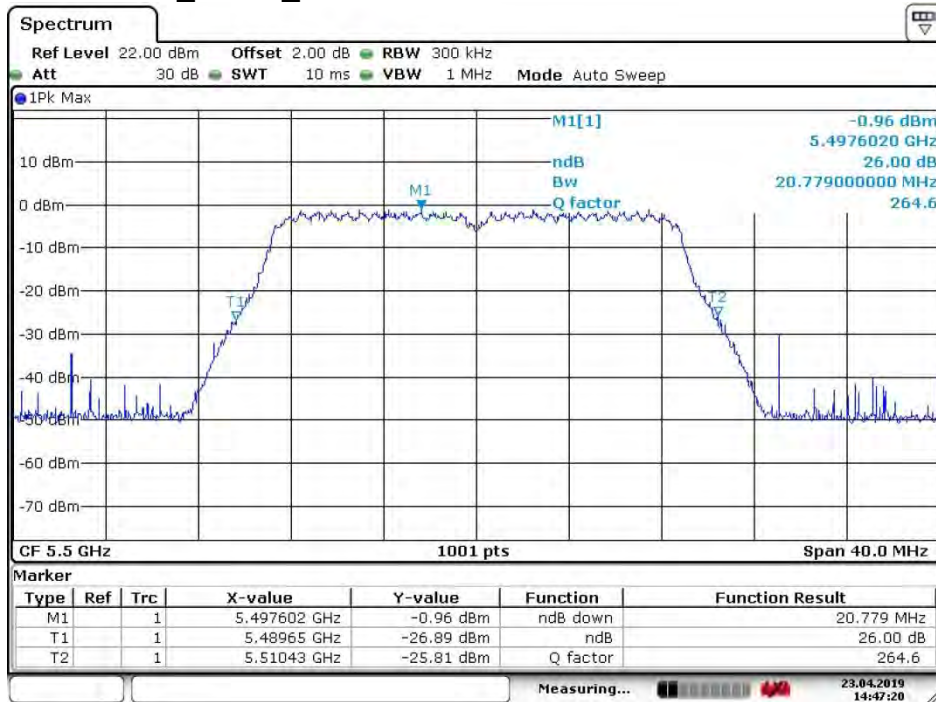


Date: 23.APR.2019 11:45:19

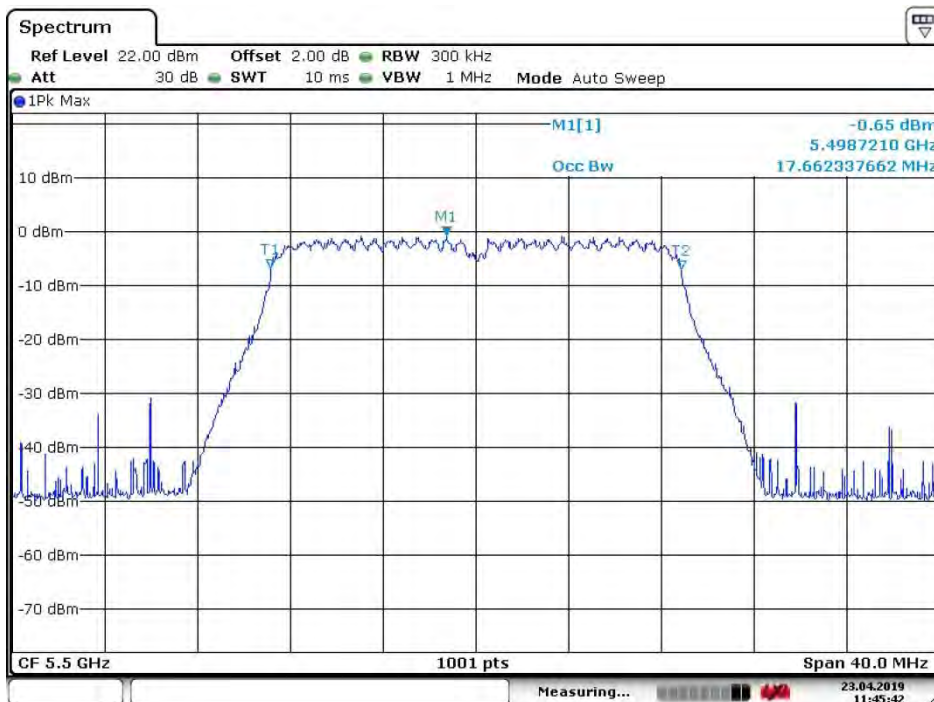


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4.5.2.173 11AC20\_MIMO\_100 ANT 2



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

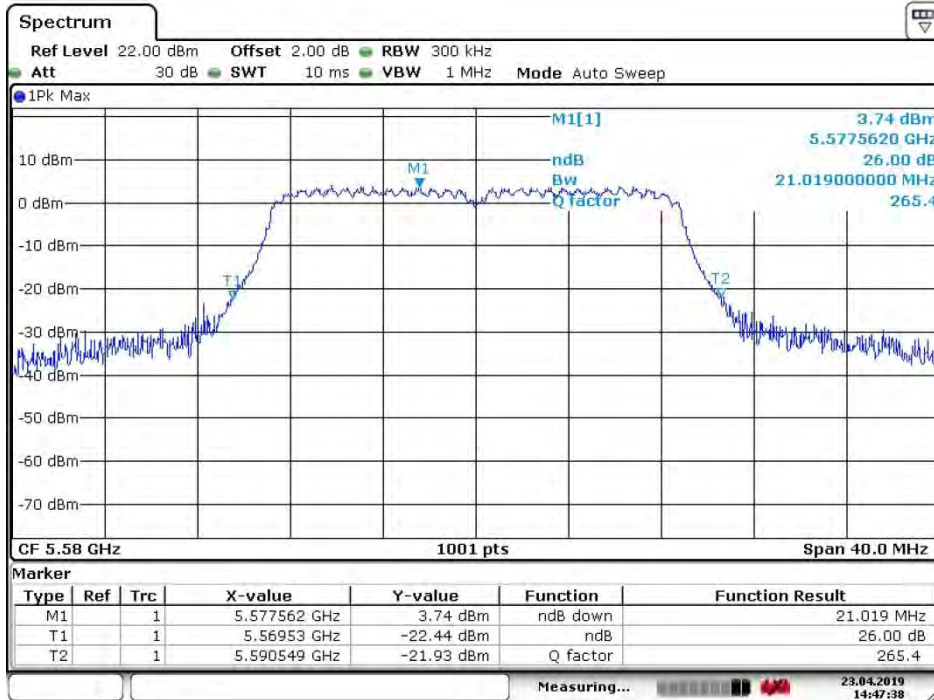


Date: 23.APR.2019 11:45:42

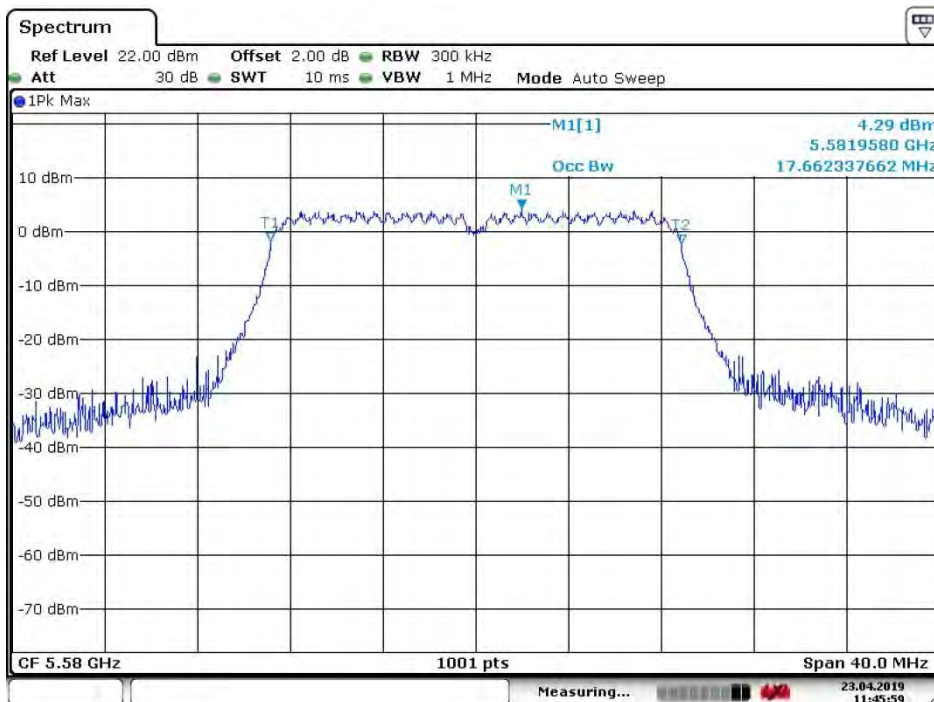


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**4.5.2.174 11AC20\_MIMO\_116 ANT 2**



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

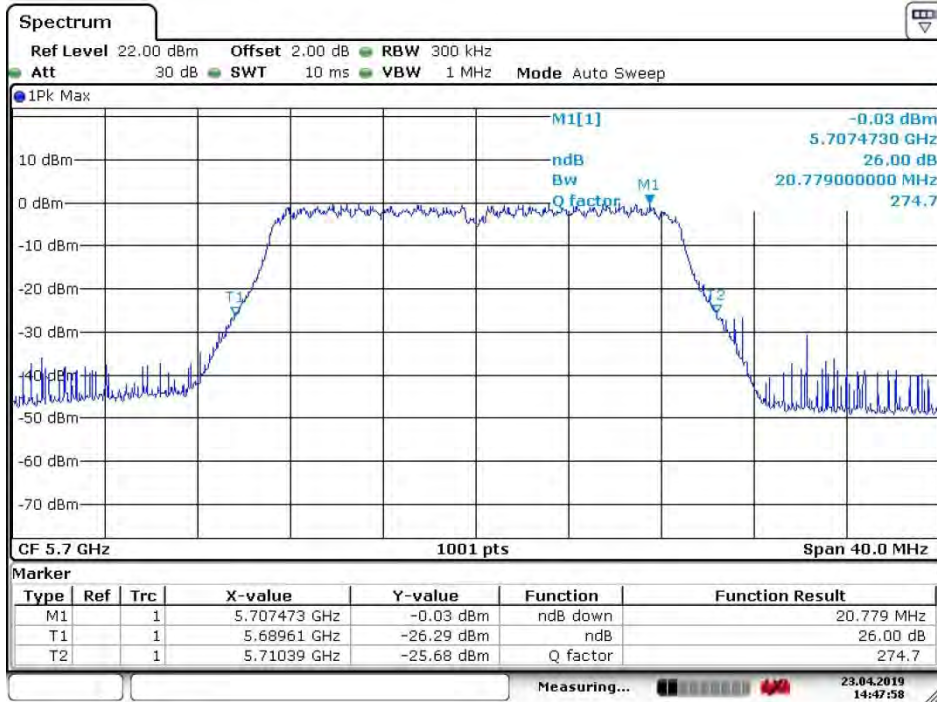


Date: 23.APR.2019 11:45:59

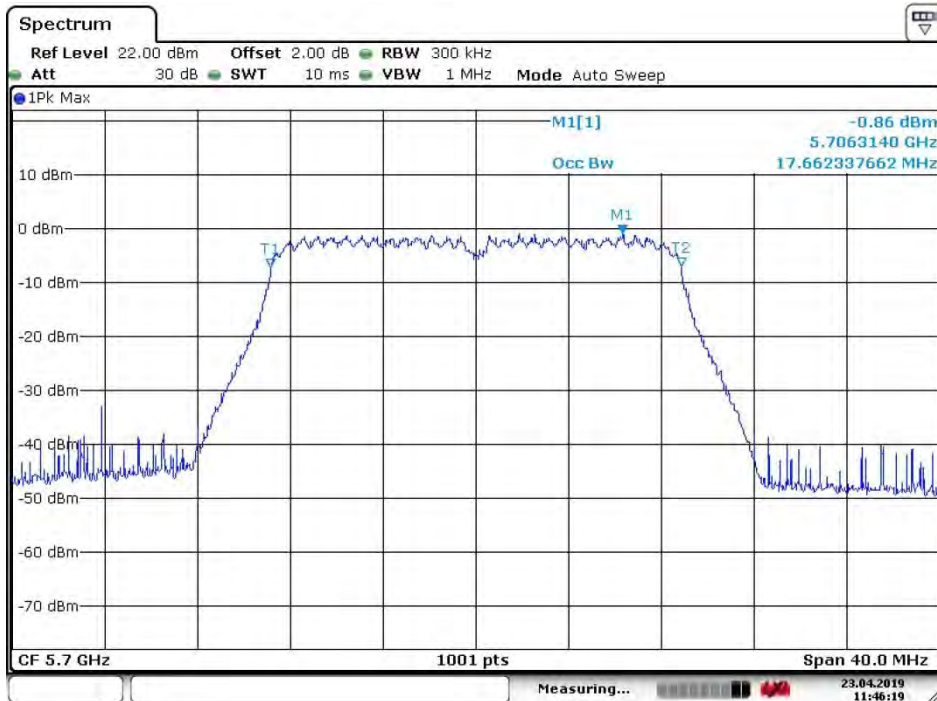


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**4.5.2.175 11AC20\_MIMO\_140 ANT 2**



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



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



4.5.2.176 11AC40\_MIMO\_38 ANT 2



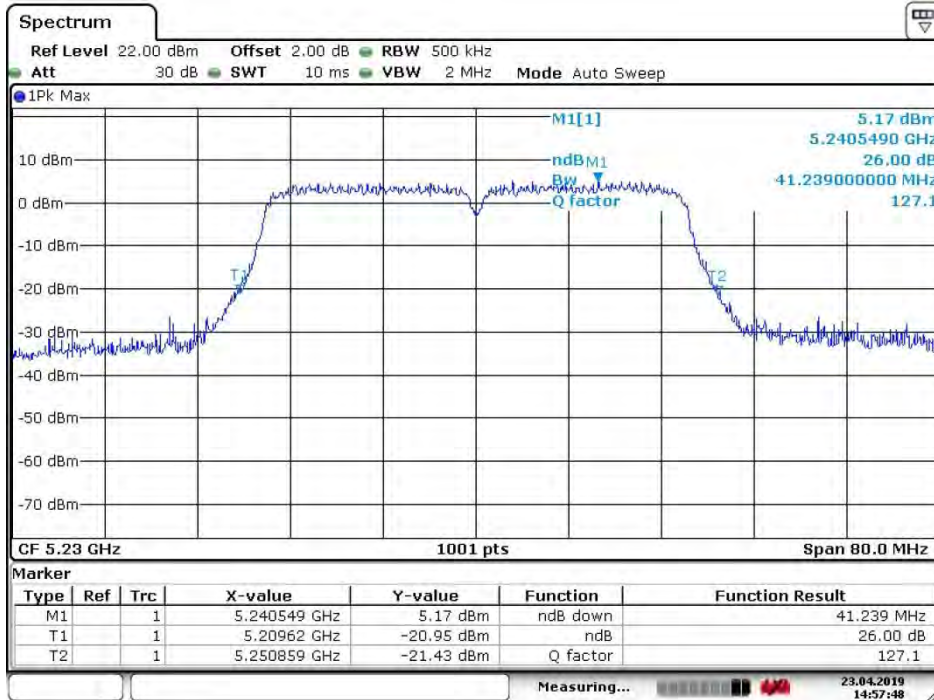
Date: 23.APR.2019 14:57:27



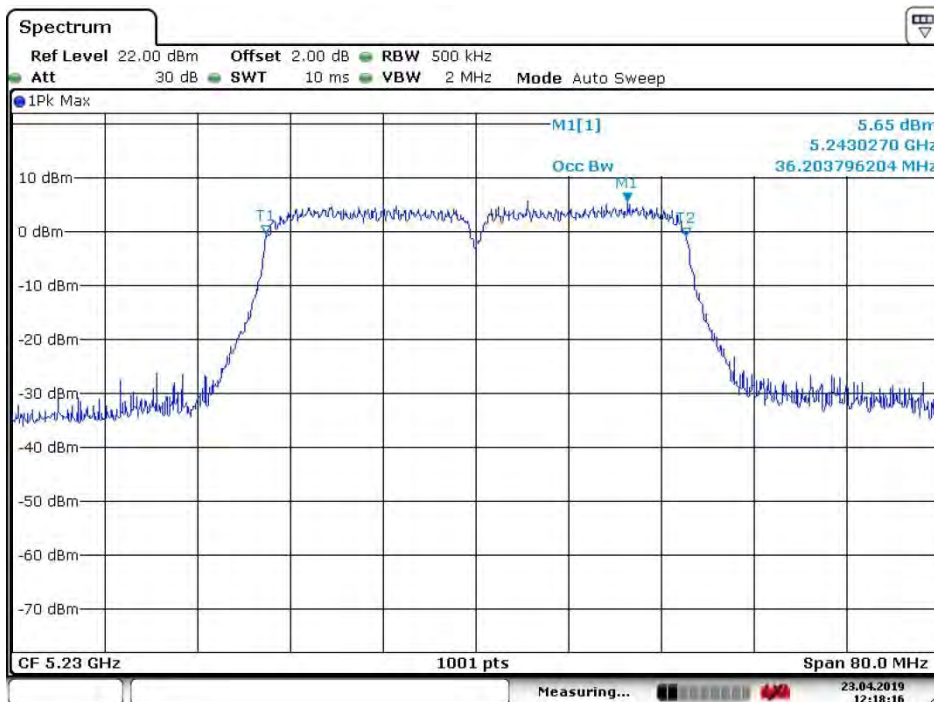
Date: 23.APR.2019 12:17:45



**4.5.2.177 11AC40\_MIMO\_46 ANT 2**



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



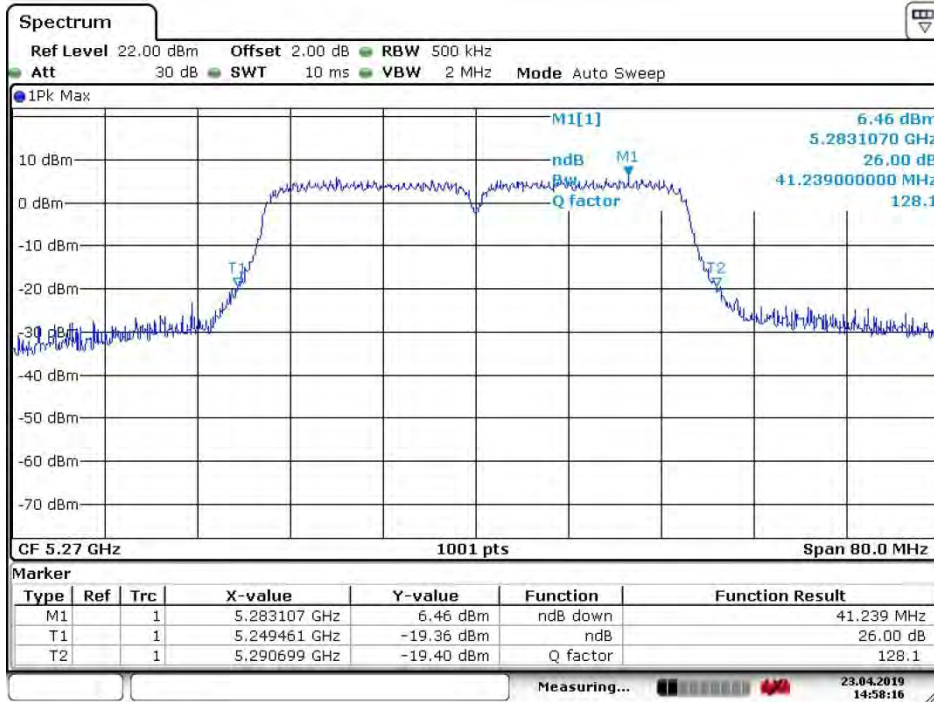
Date: 23.APR.2019 12:18:16



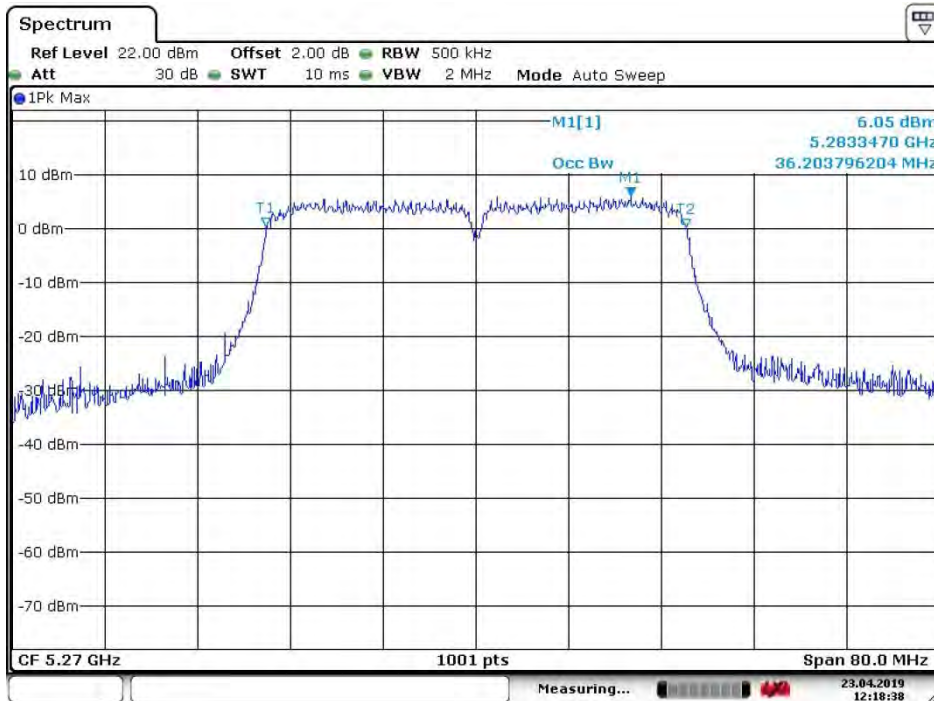
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4.5.2.178 11AC40\_MIMO\_54 ANT 2



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

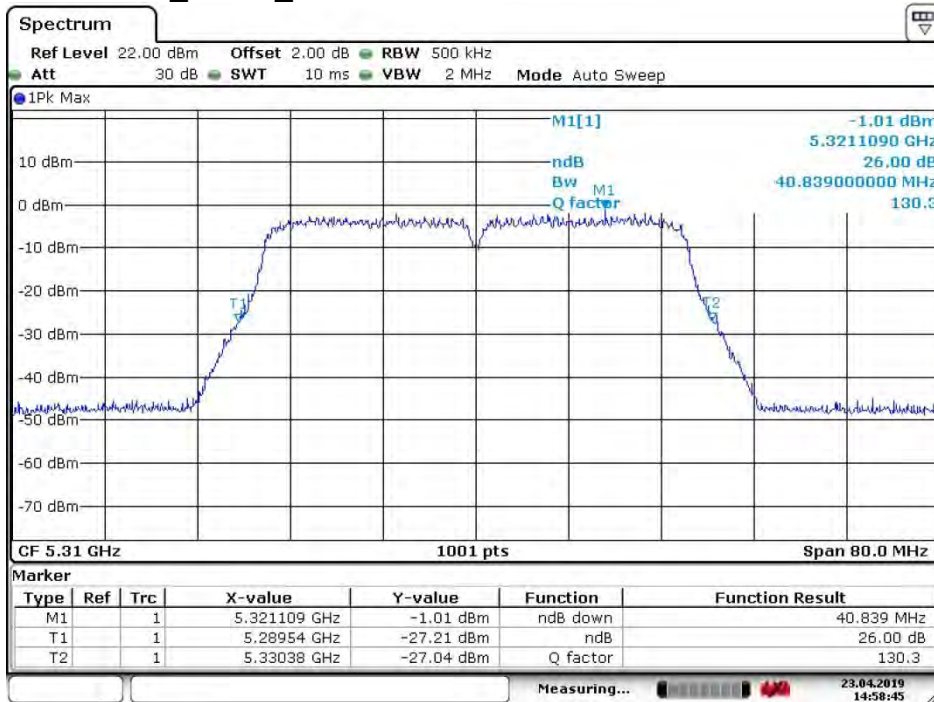


Date: 23.APR.2019 12:18:38

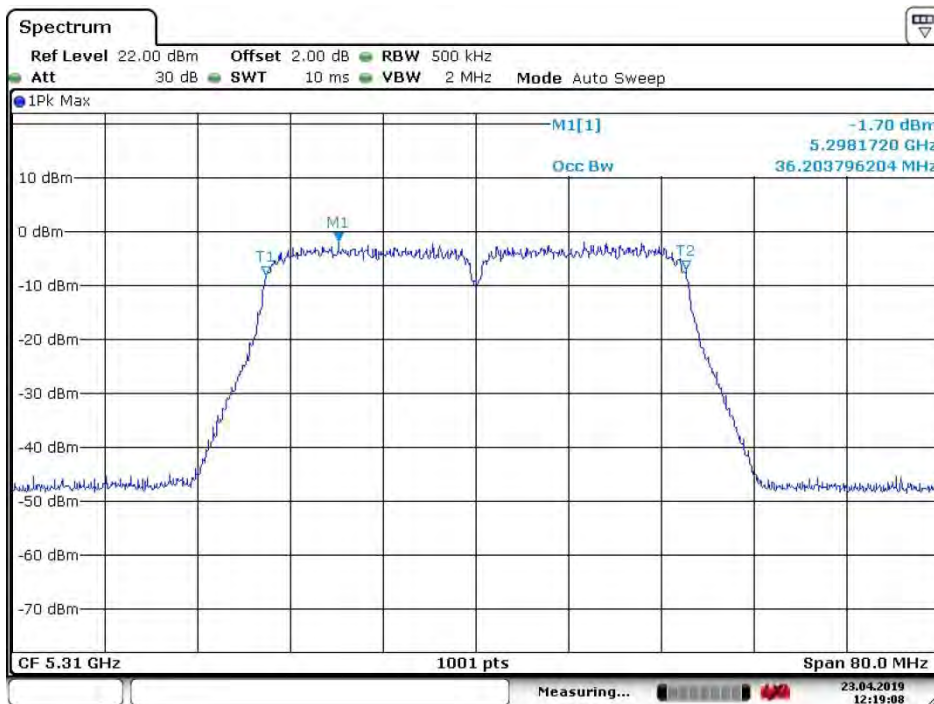


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**4.5.2.179 11AC40\_MIMO\_62 ANT 2**



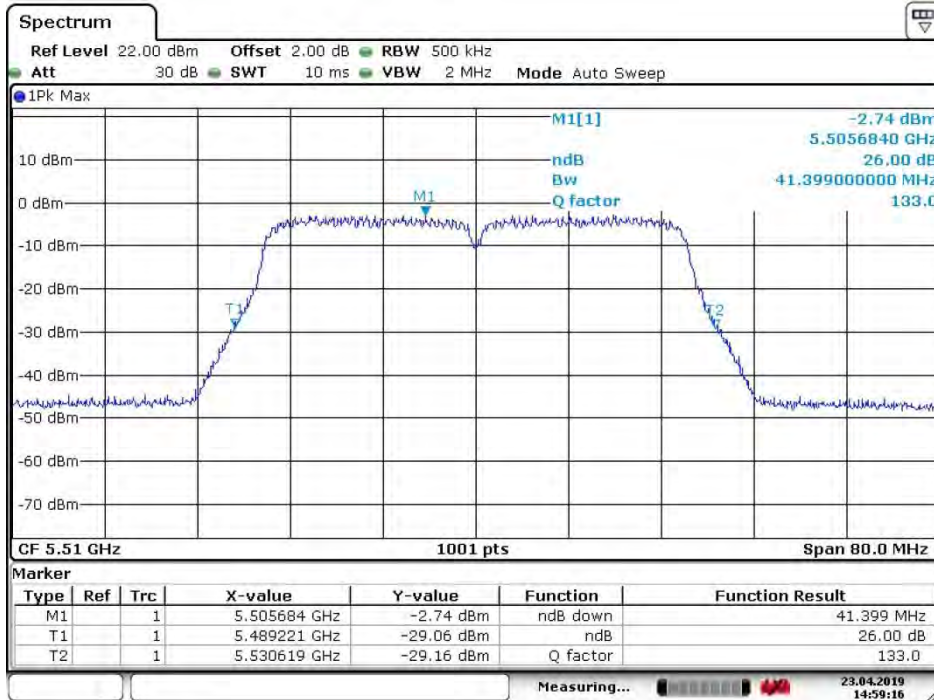
Date: 23.APR.2019 14:58:45



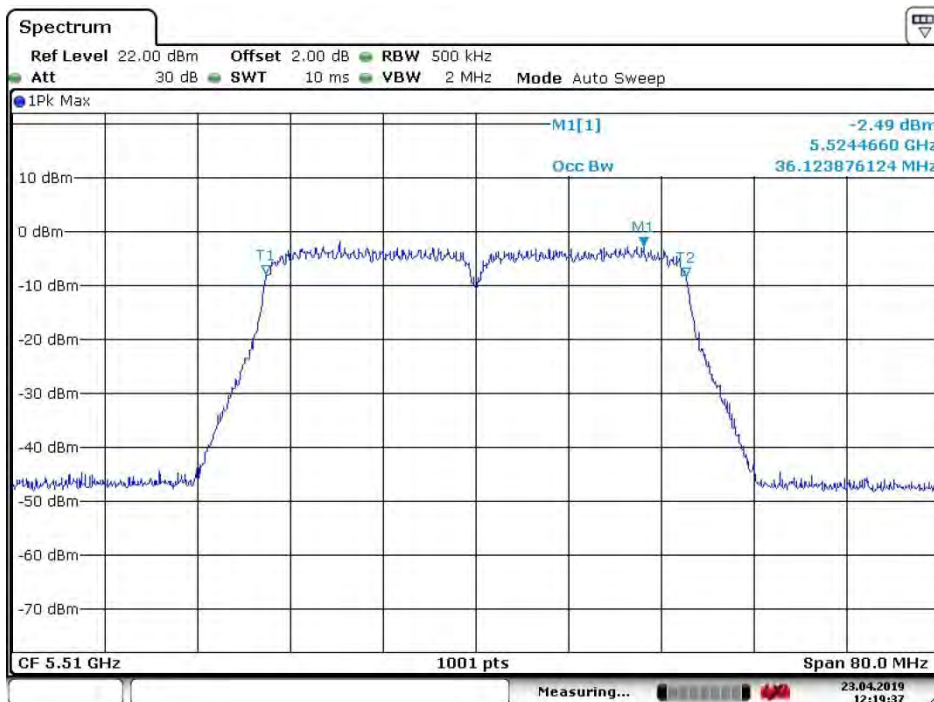
Date: 23.APR.2019 12:19:09



4.5.2.180 11AC40\_MIMO\_102 ANT 2



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



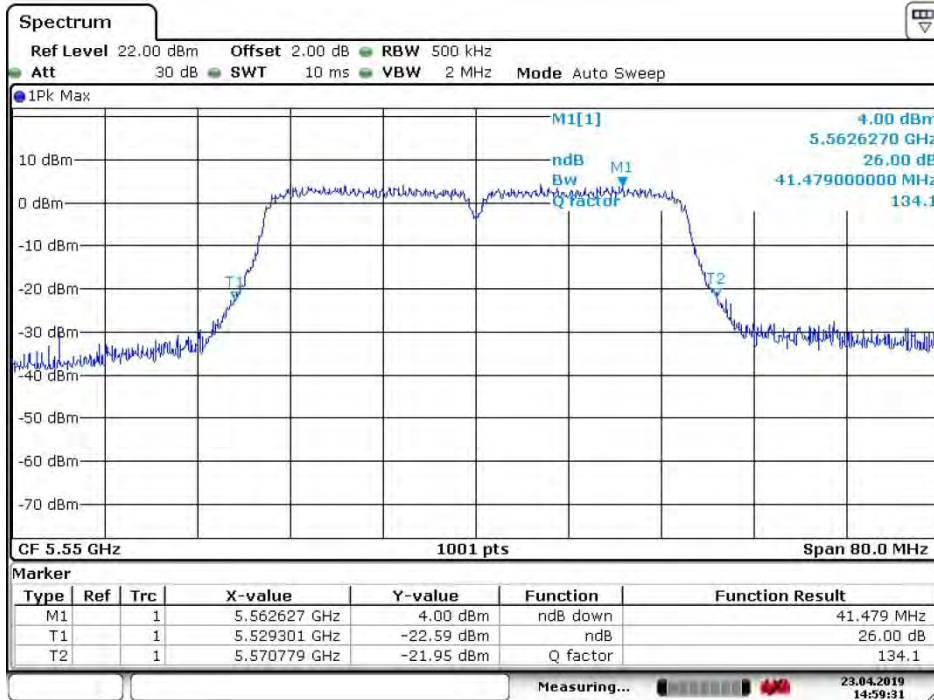
Date: 23.APR.2019 12:19:37



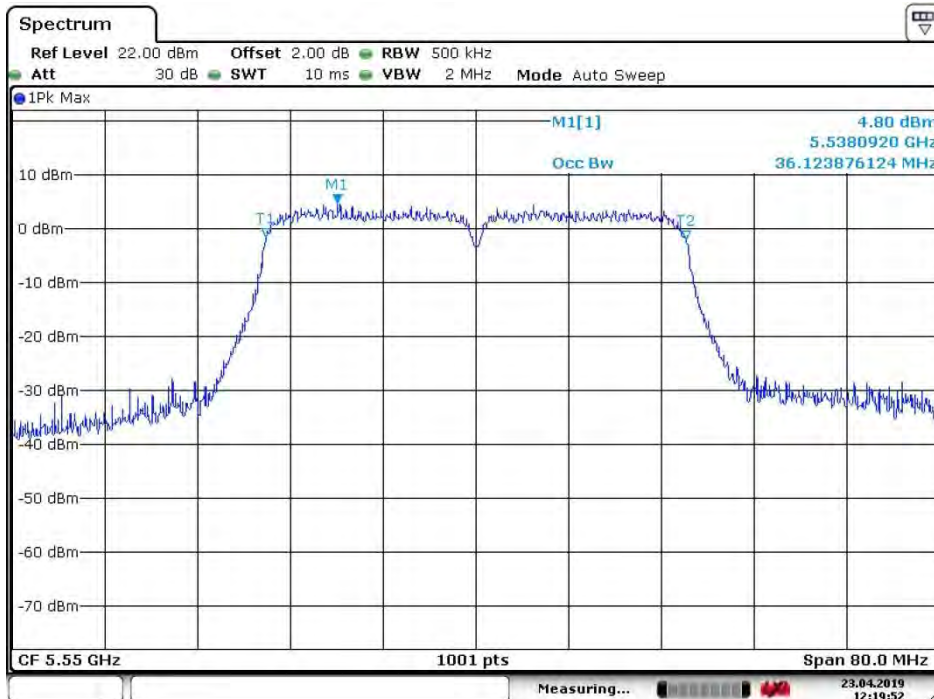
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4.5.2.181 11AC40\_MIMO\_110 ANT 2



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

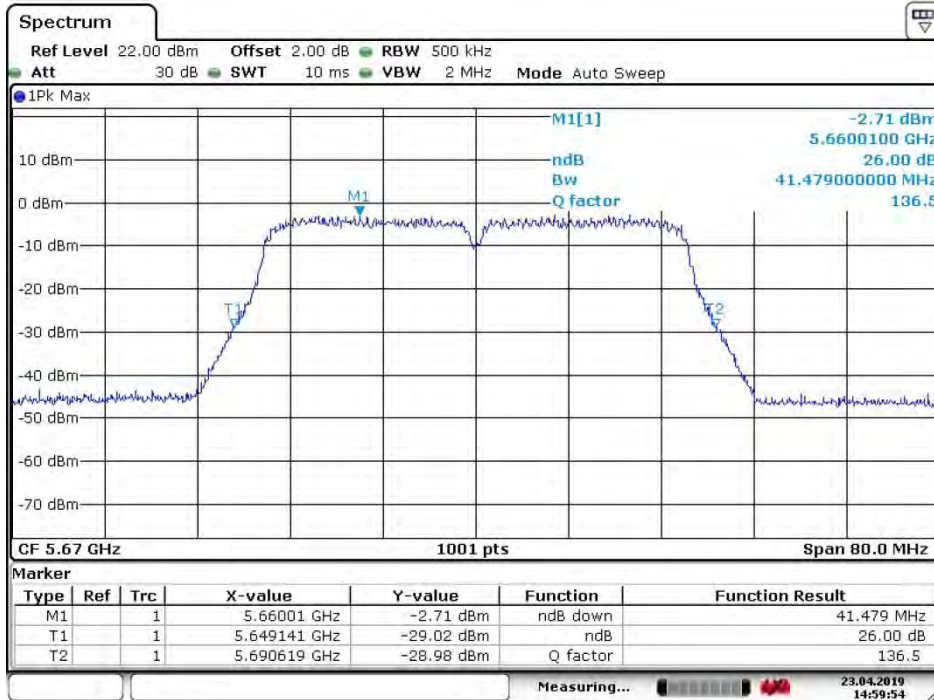


Date: 23.APR.2019 12:19:53

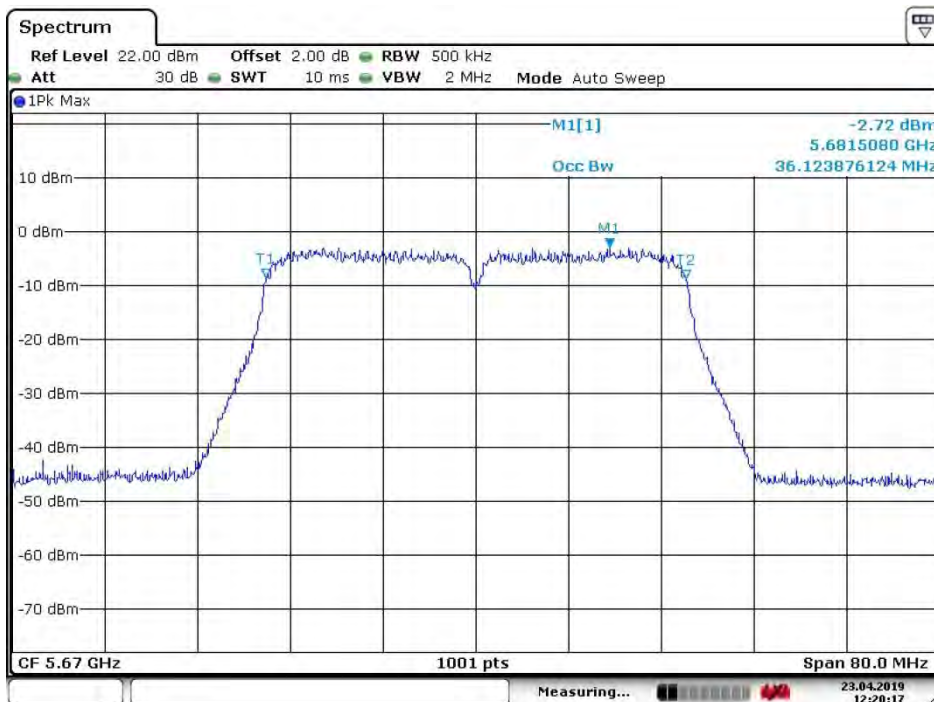


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4.5.2.182 11AC40\_MIMO\_134 ANT 2



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



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

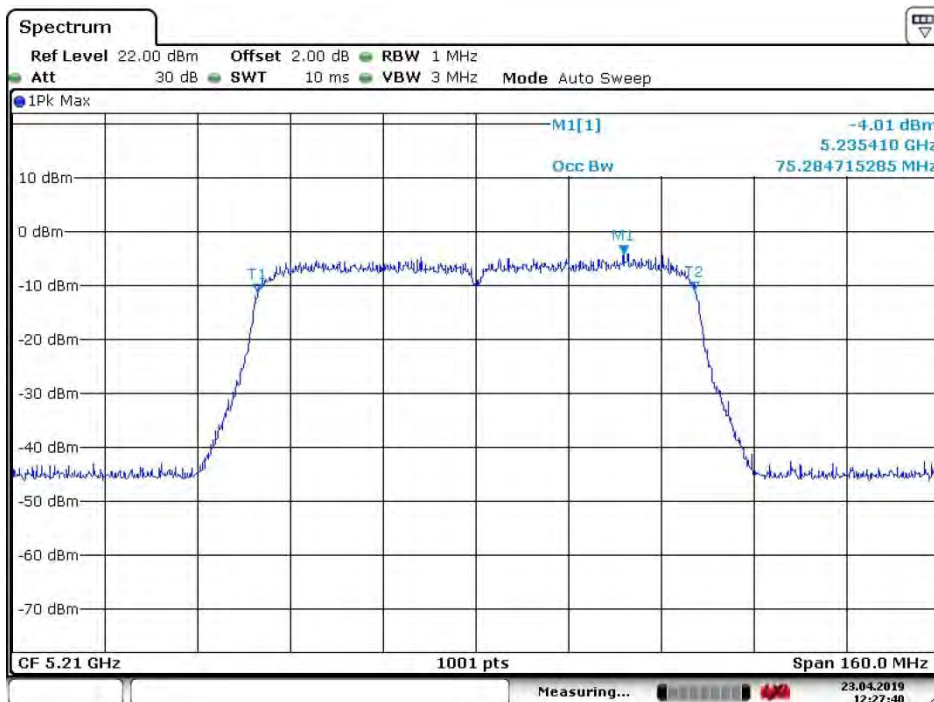


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4.5.2.183 11AC80\_MIMO\_42 ANT 2



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



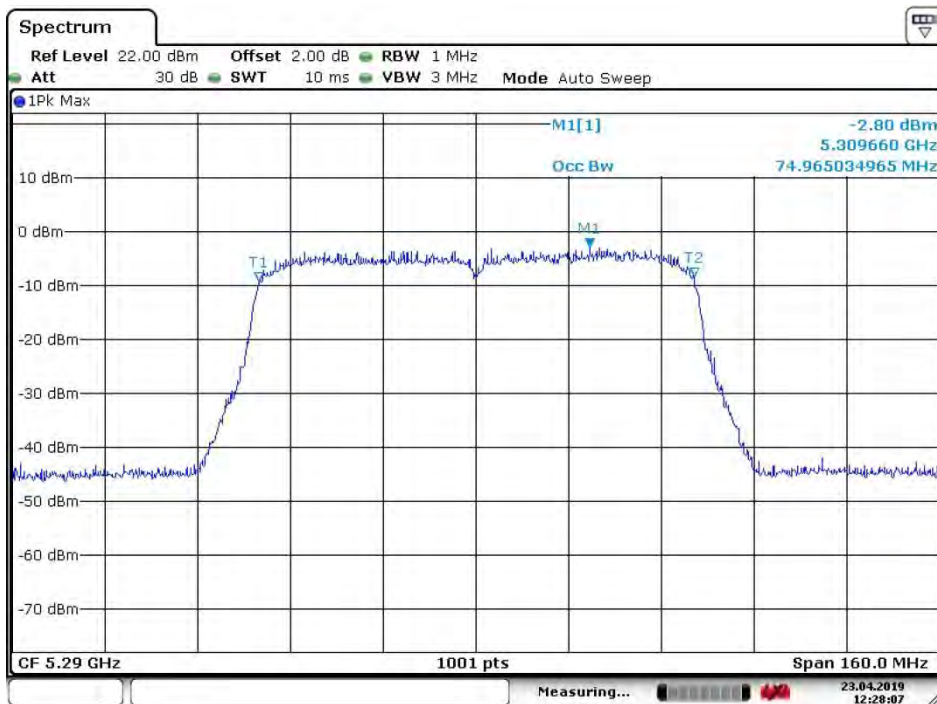
Date: 23.APR.2019 12:27:41



4.5.2.184 11AC80\_MIMO\_58 ANT 2



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

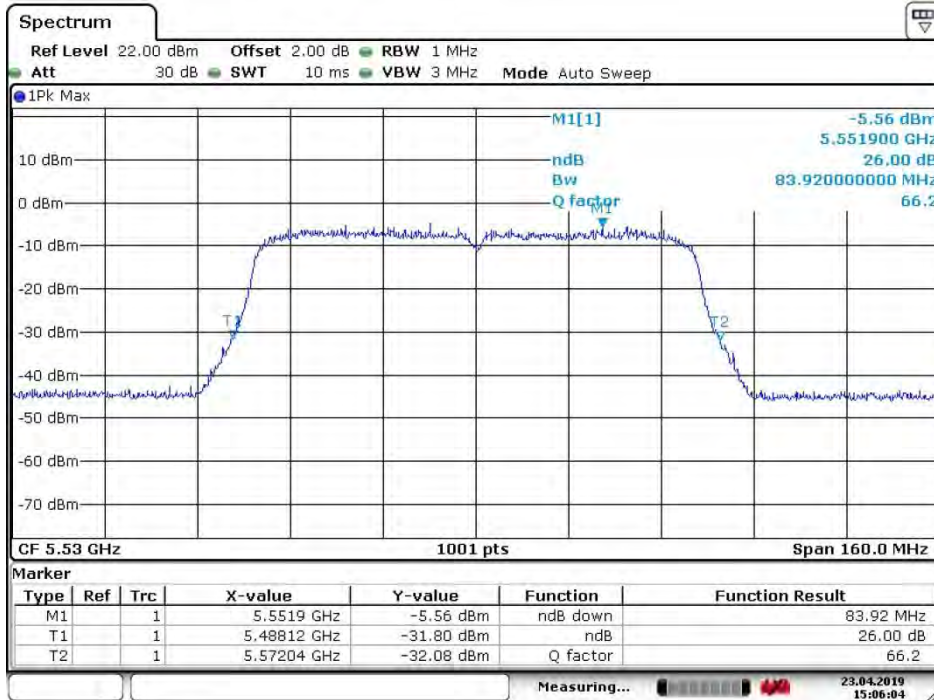


Date: 23.APR.2019 12:28:08

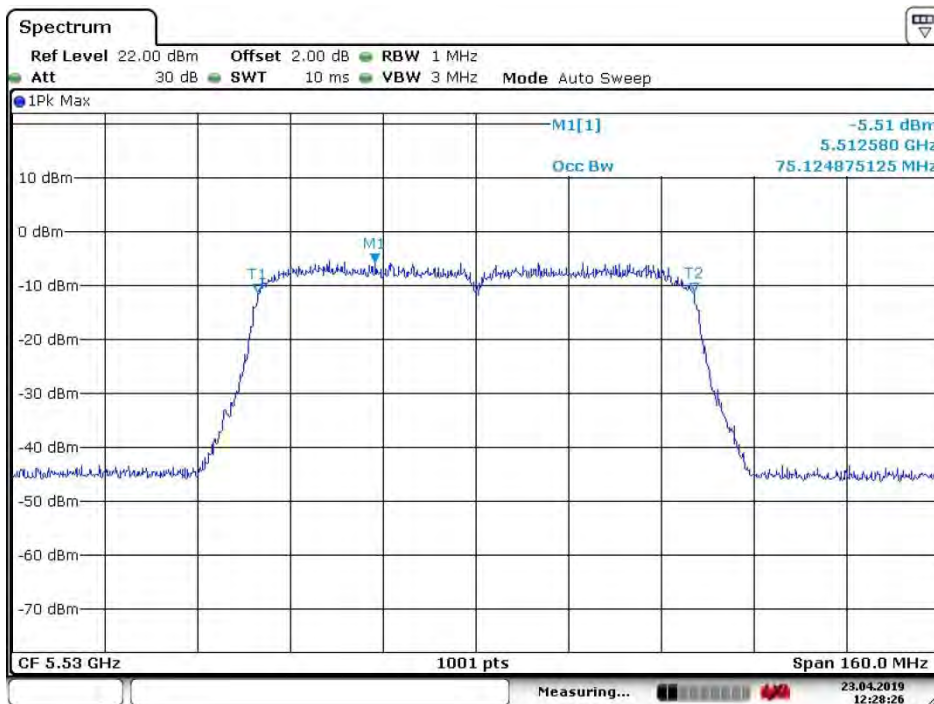


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4.5.2.185 11AC80\_MIMO\_106 ANT 2



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



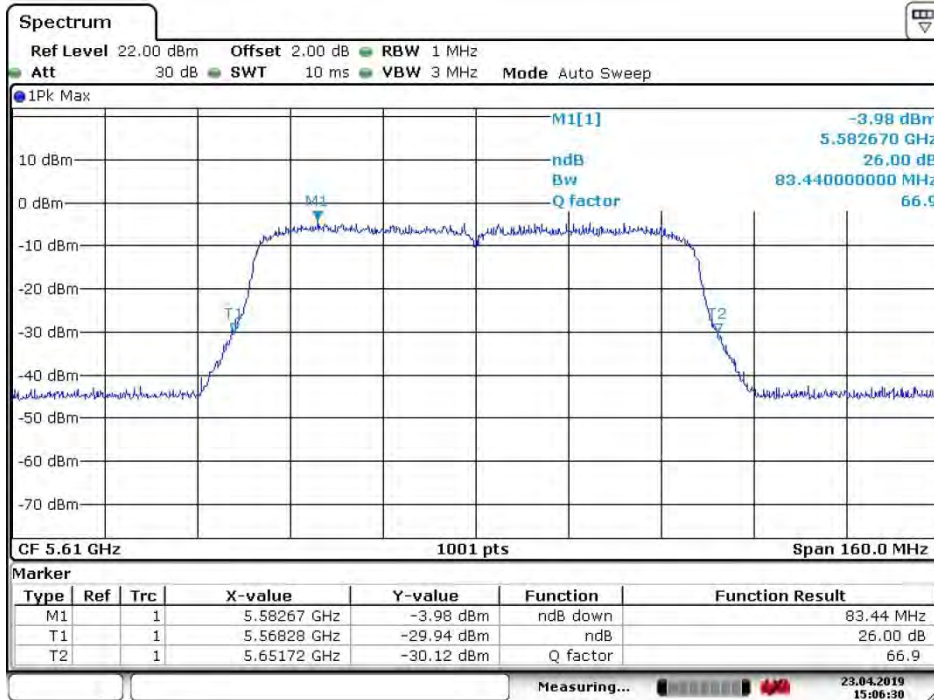
Date: 23.APR.2019 12:28:27



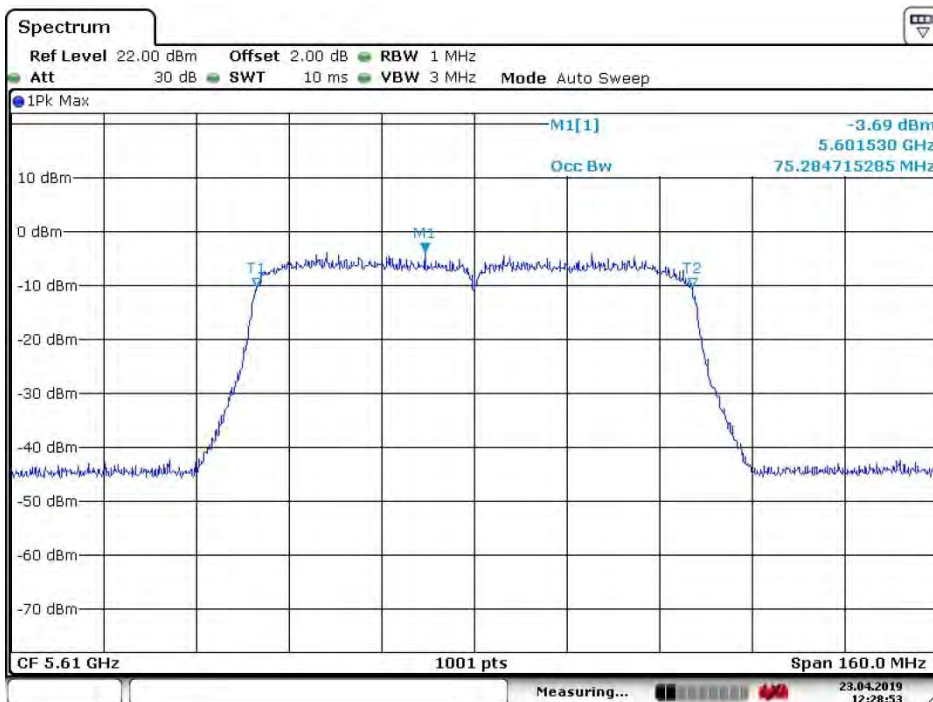
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4.5.2.186 11AC80\_MIMO\_122 ANT 2



Date: 23 APR 2019 15:06:31

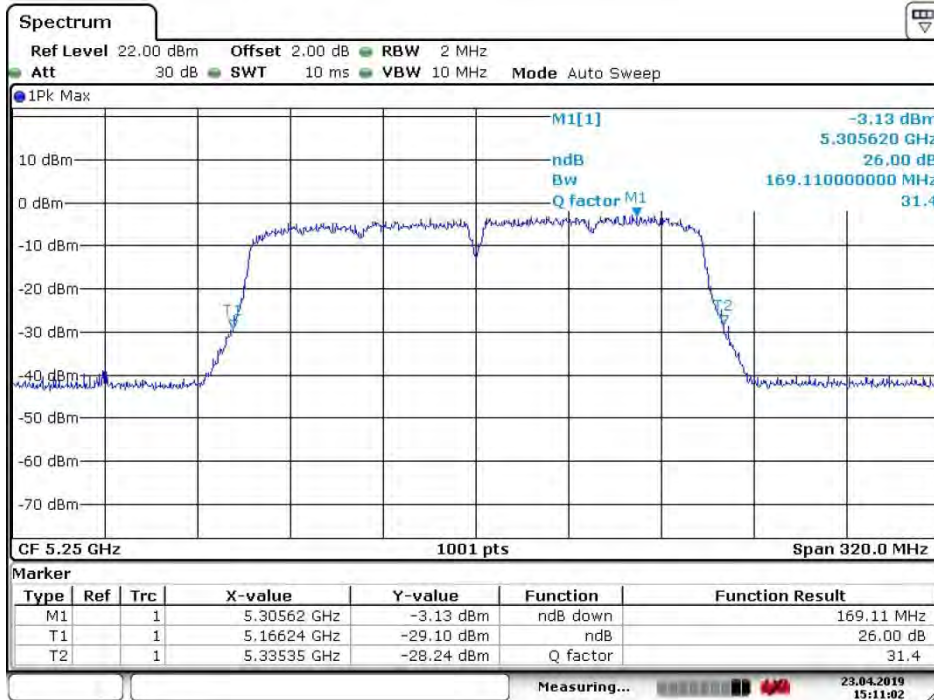


Date: 23 APR 2019 12:28:54

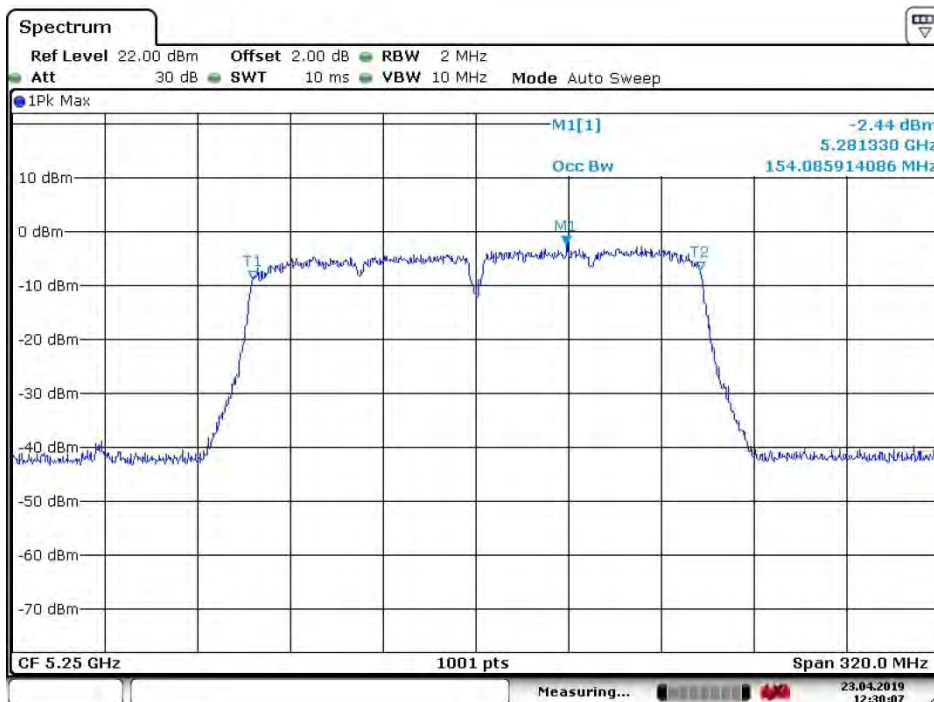


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4.5.2.187 11AC160\_MIMO\_50 ANT 2



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



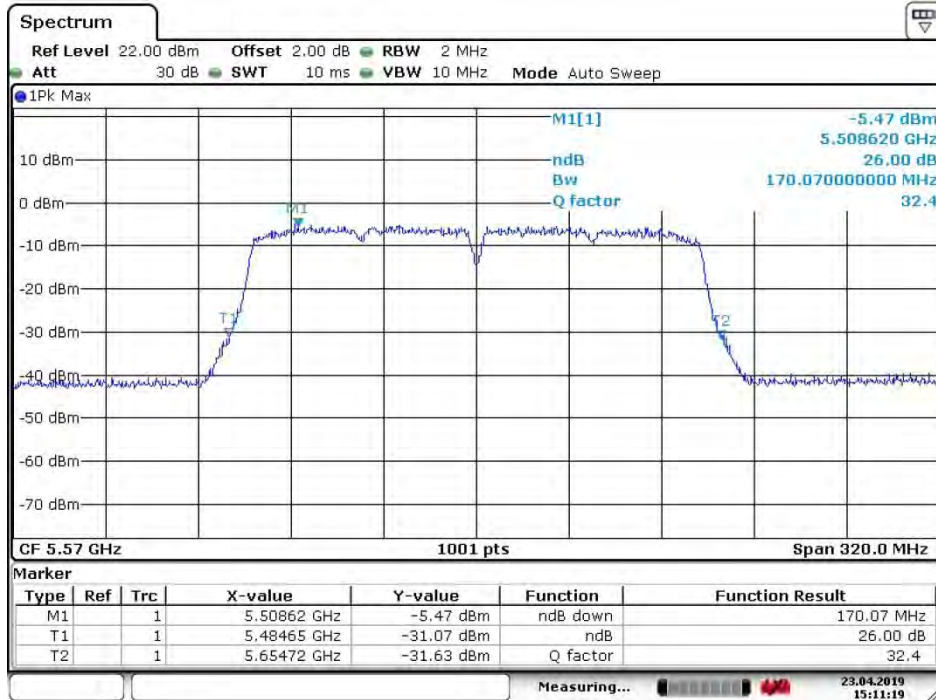
Date: 23.APR.2019 12:30:06



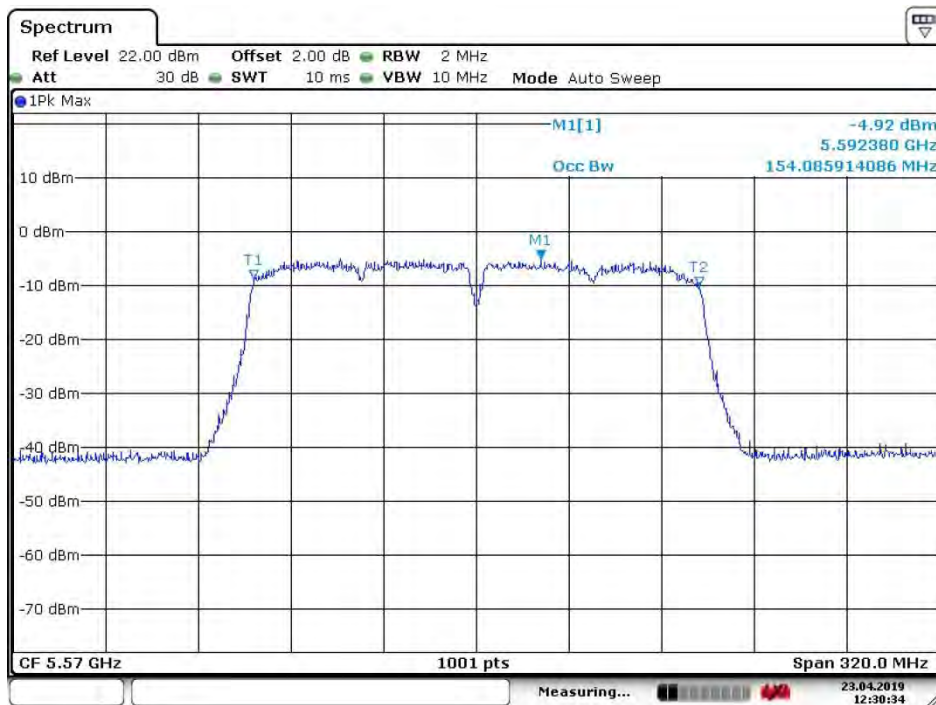
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4.5.2.188

11AC160\_MIMO\_114 ANT 2



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



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



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### 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:	<p>Through Pre-scan, find the</p> <ul style="list-style-type: none"> <li>6Mbps of rate is the worst case of 802.11a;</li> <li>MCS0 of rate is the worst case of 802.11n(HT20);</li> <li>MCS0 of rate is the worst case of 802.11n(HT40);</li> <li>MCSAC0 of rate is the worst case of 802.11ac(HT20);</li> <li>MCSAC0 of rate is the worst case of 802.11ac(HT40);</li> <li>MCSAC0 of rate is the worst case of 802.11ac(HT80);</li> <li>MCSAC0 of rate is the worst case of 802.11ac(HT160).</li> </ul> <p>Only the worst case is recorded in the report.</p>	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	



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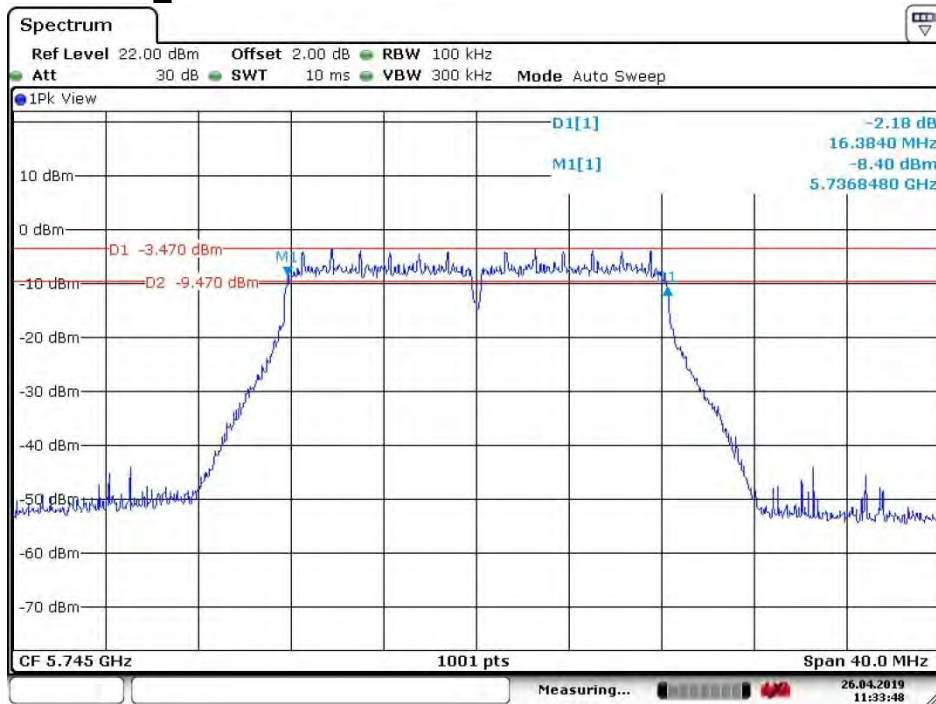
Test Mode	Test Channel	Frequency [MHz]	ANT 1		ANT 2		Verdict
			6dB EBW [MHz]	OBW [MHz]	6dB EBW [MHz]	OBW [MHz]	
11A20	149	5745	16.38	16.86	16.42	16.86	PASS
	157	5785	16.34	16.94	16.38	17.02	PASS
	165	5825	16.38	16.94	16.38	17.18	PASS
11N20	149	5745	17.18	17.78	17.26	17.78	PASS
	157	5785	17.30	17.78	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



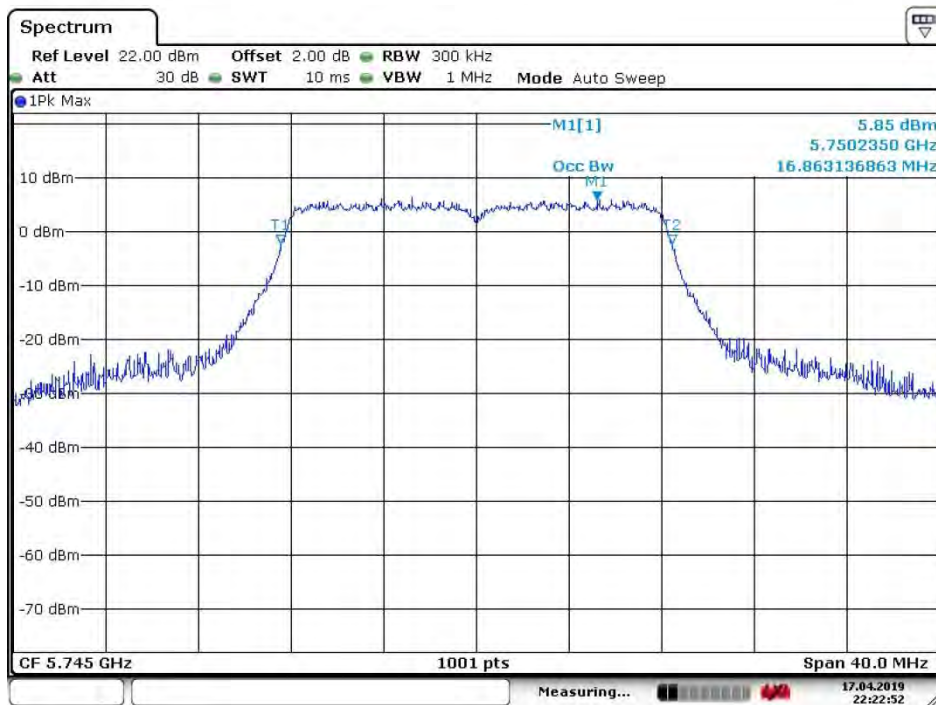
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**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

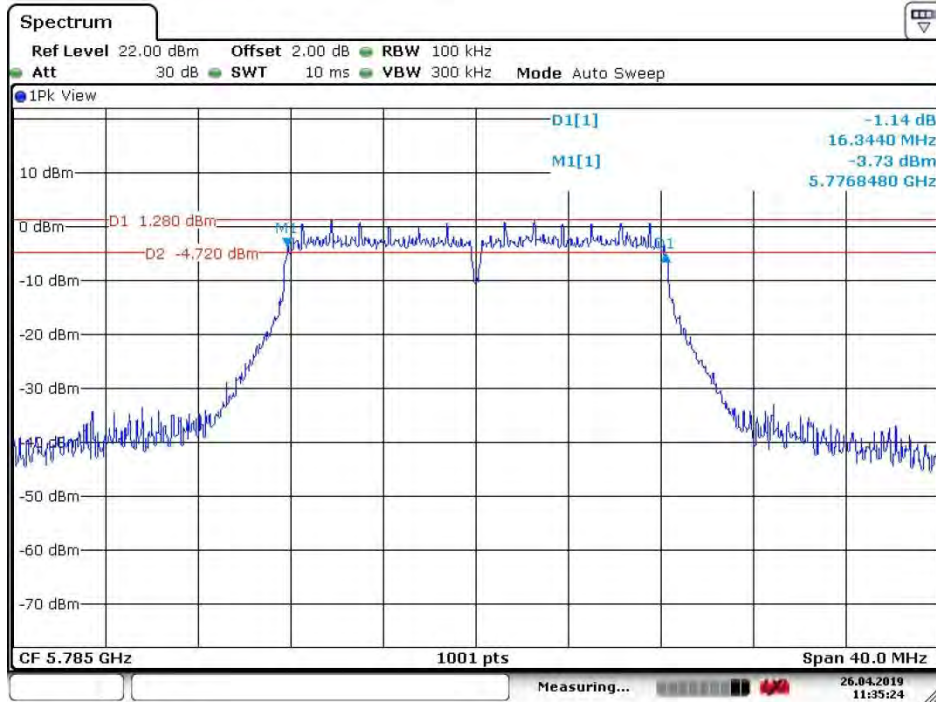


Date: 17.APR.2019 22:22:53

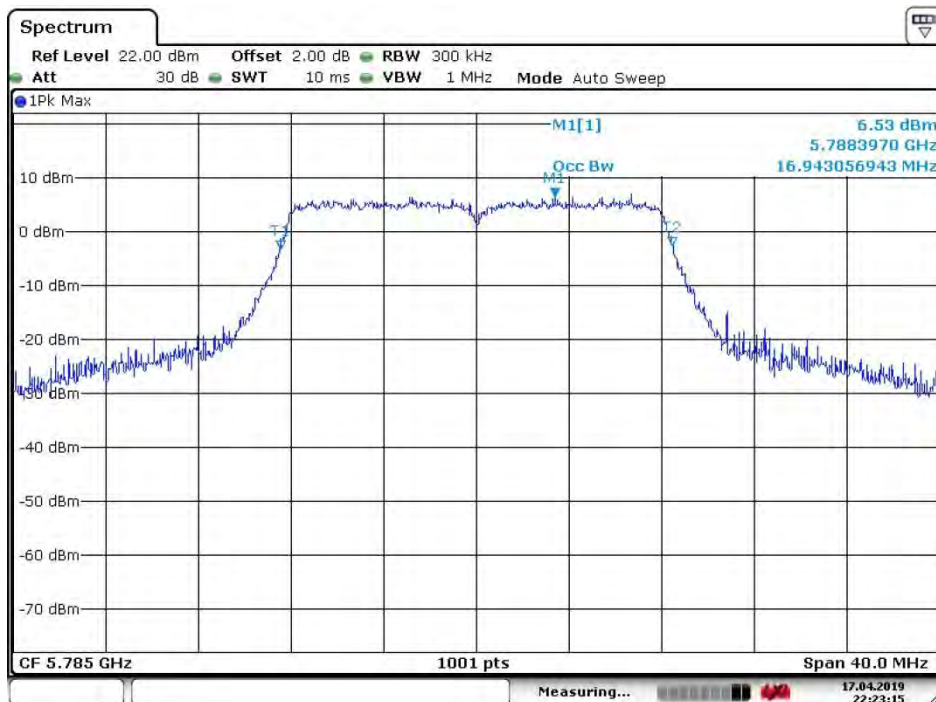


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4.6.1.2 11A20\_157 ANT 1



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

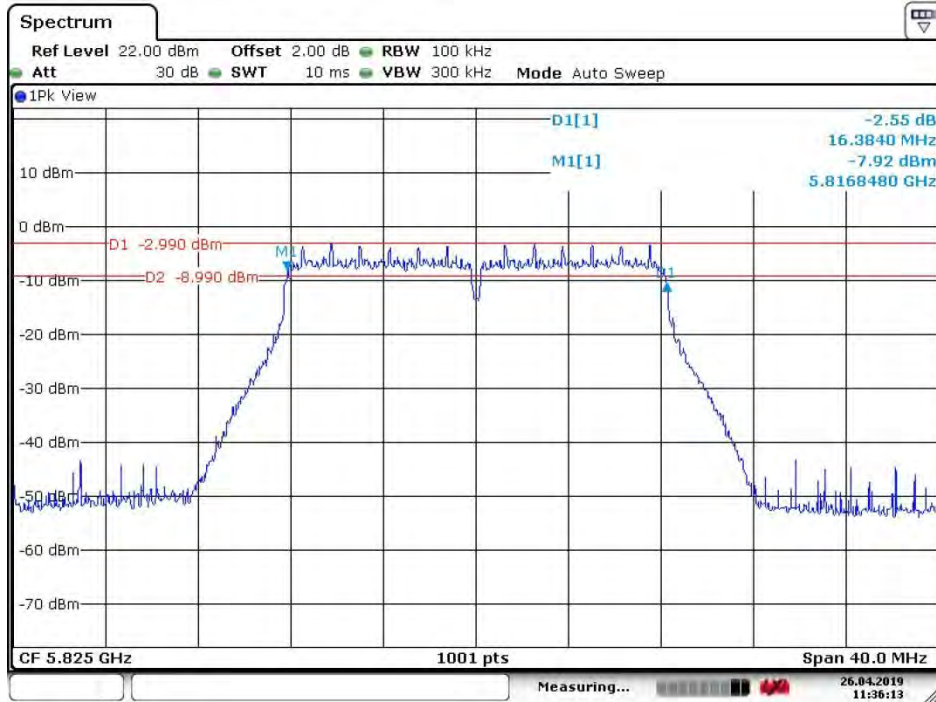


Date: 17. APR. 2019 22:23:15

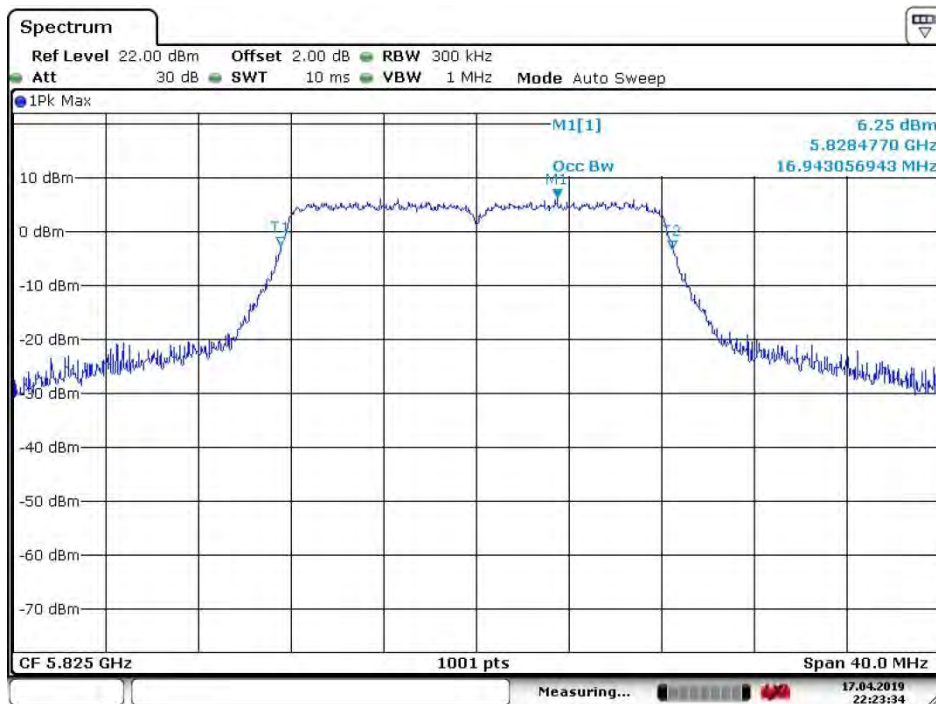


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4.6.1.3 11A20\_165 ANT 1



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



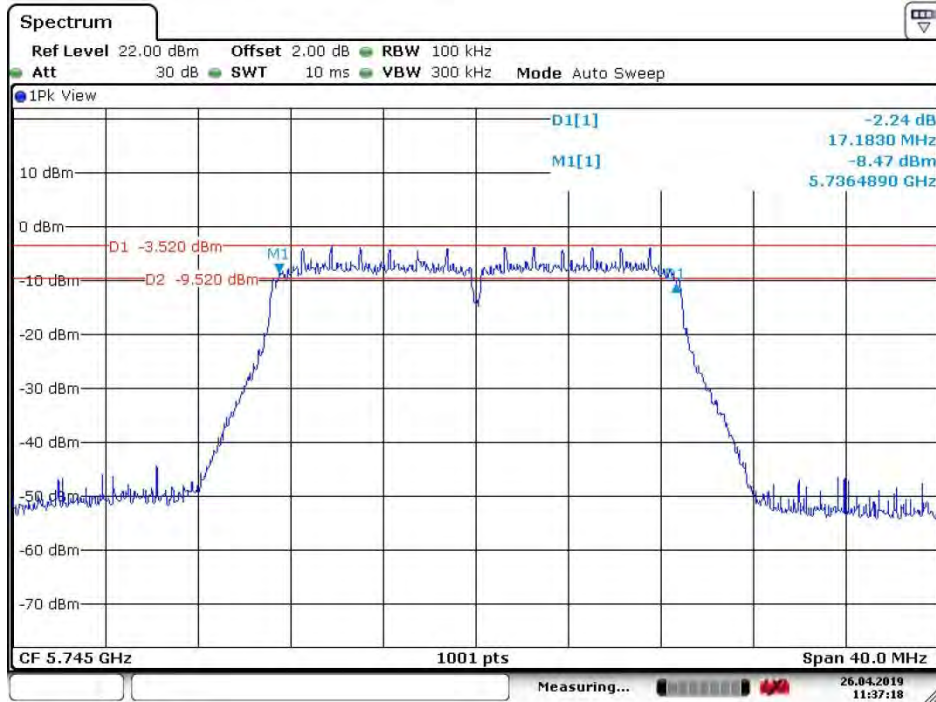
Date: 17. APR. 2019 22:23:34



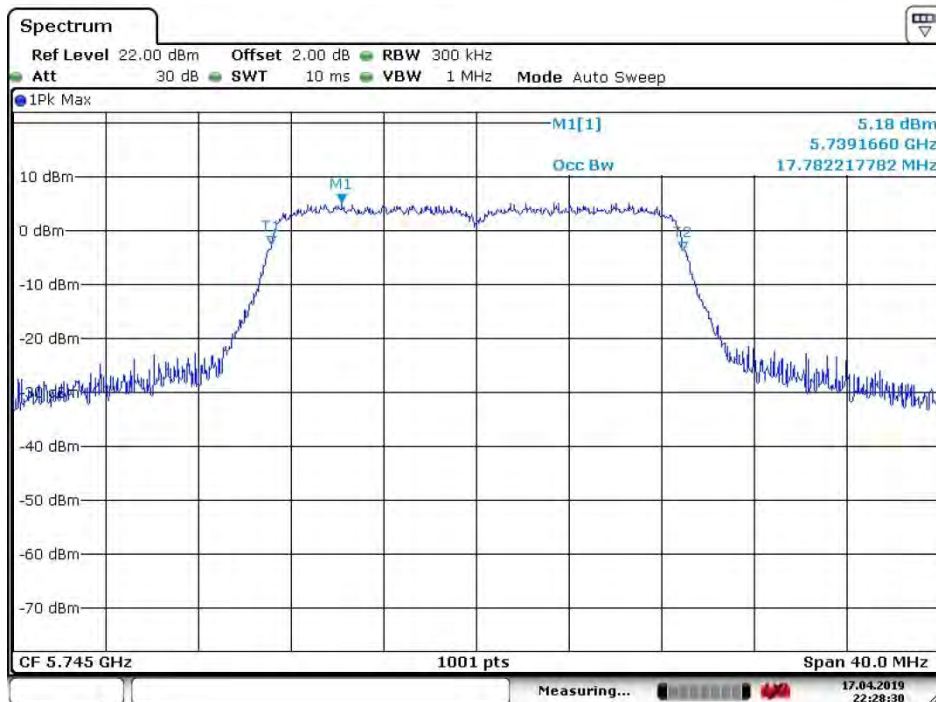
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4.6.1.4 11N20\_149 ANT 1



Date: 26.APR.2019 11:37:19

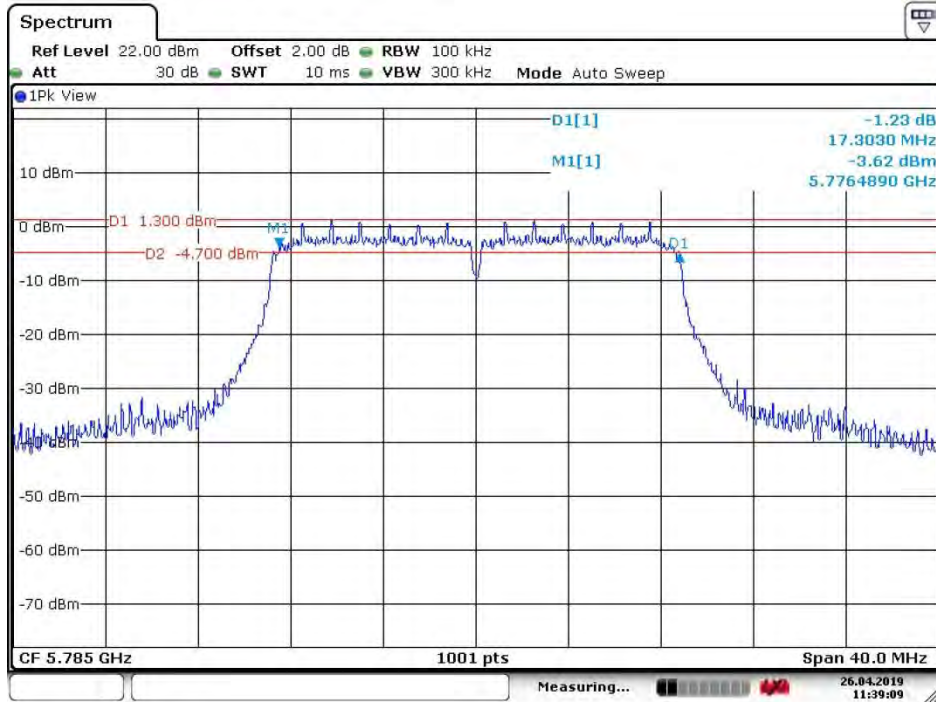


Date: 17.APR.2019 22:28:31

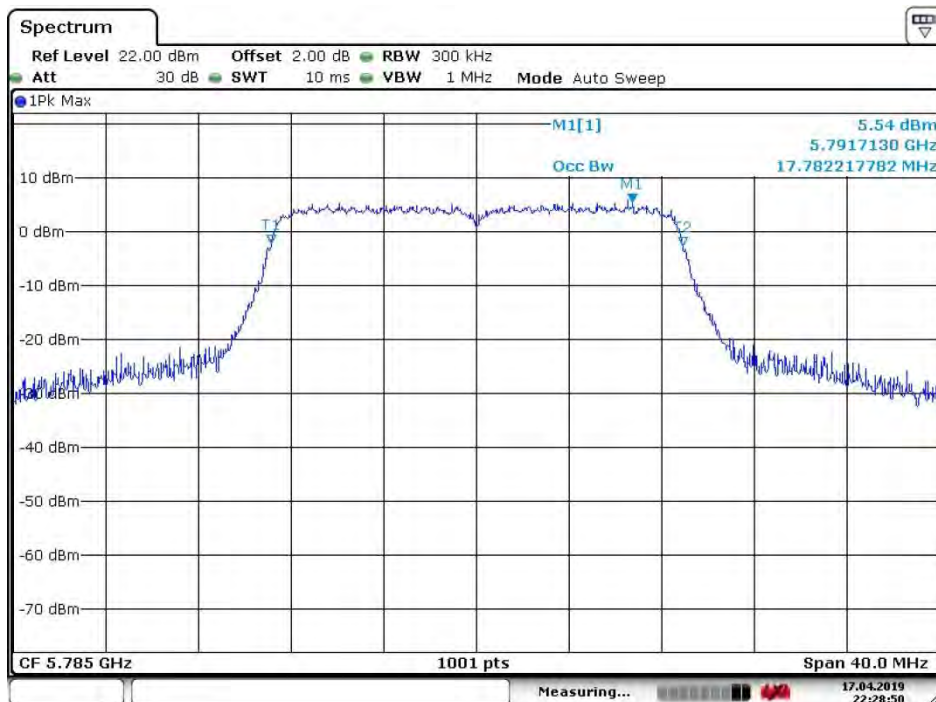


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4.6.1.5 11N20\_157 ANT 1



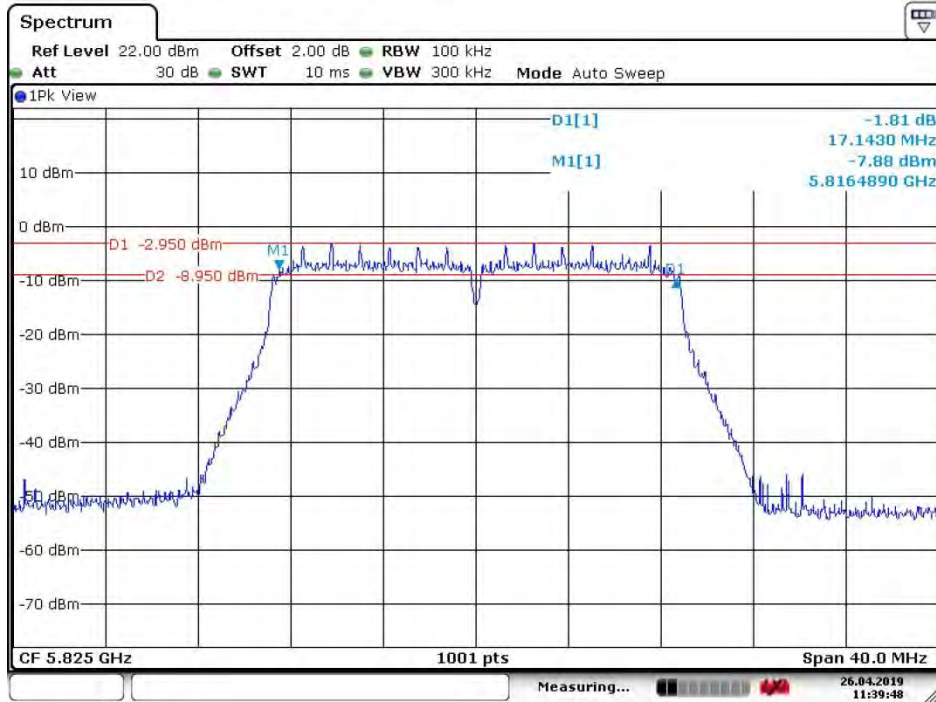
Date: 26.APR.2019 11:39:09



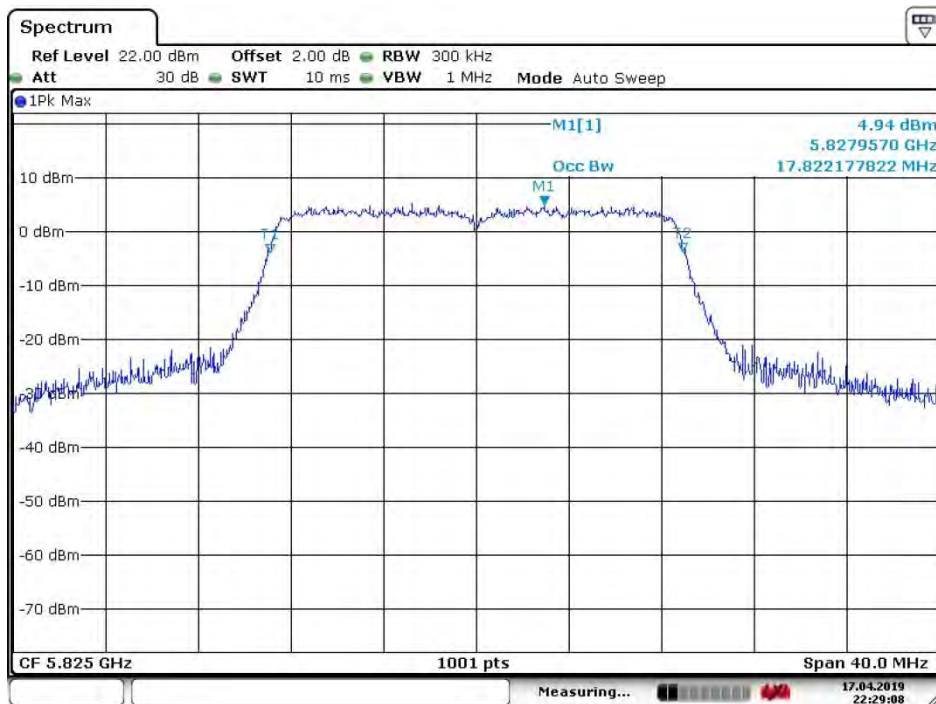
Date: 17.APR.2019 22:28:50



**4.6.1.6 11N20\_165 ANT 1**



Date: 26. APR. 2019 11:39:49

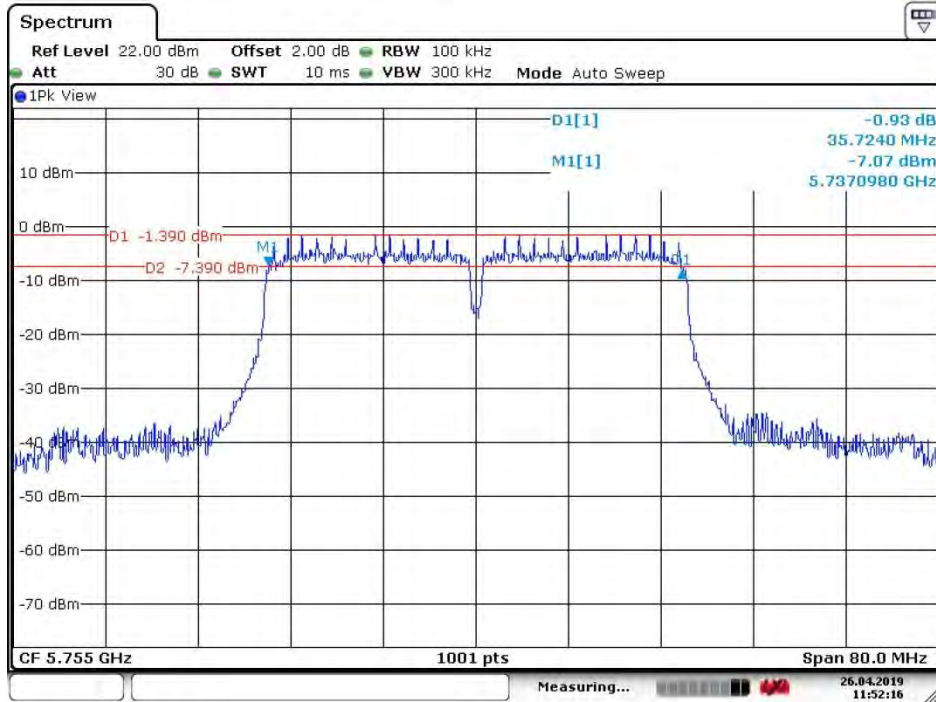


Date: 17. APR. 2019 22:29:09

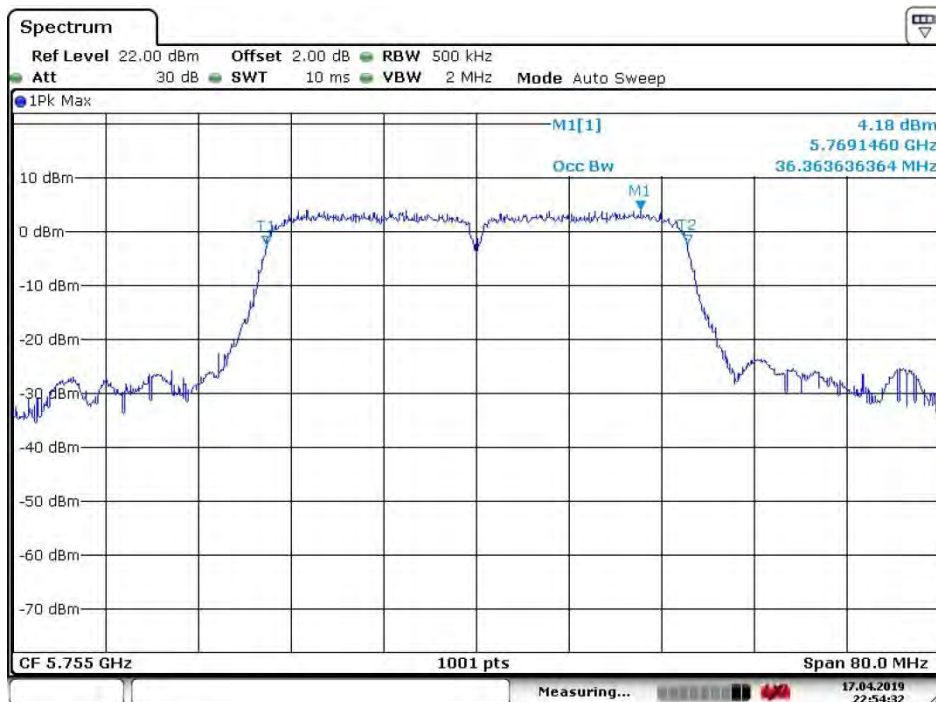


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4.6.1.7 11N40\_151 ANT 1



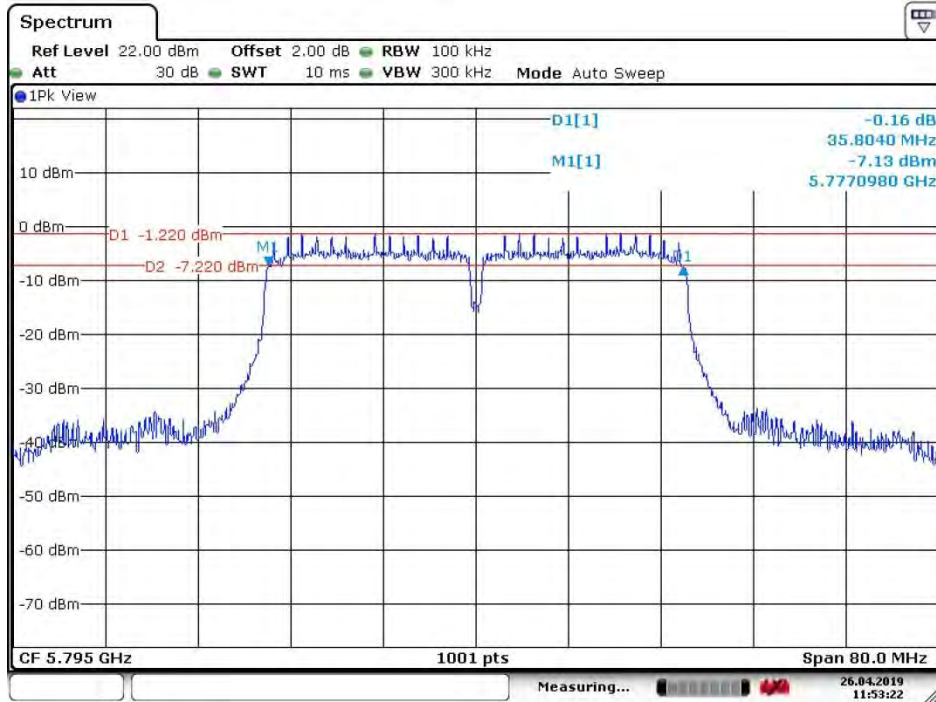
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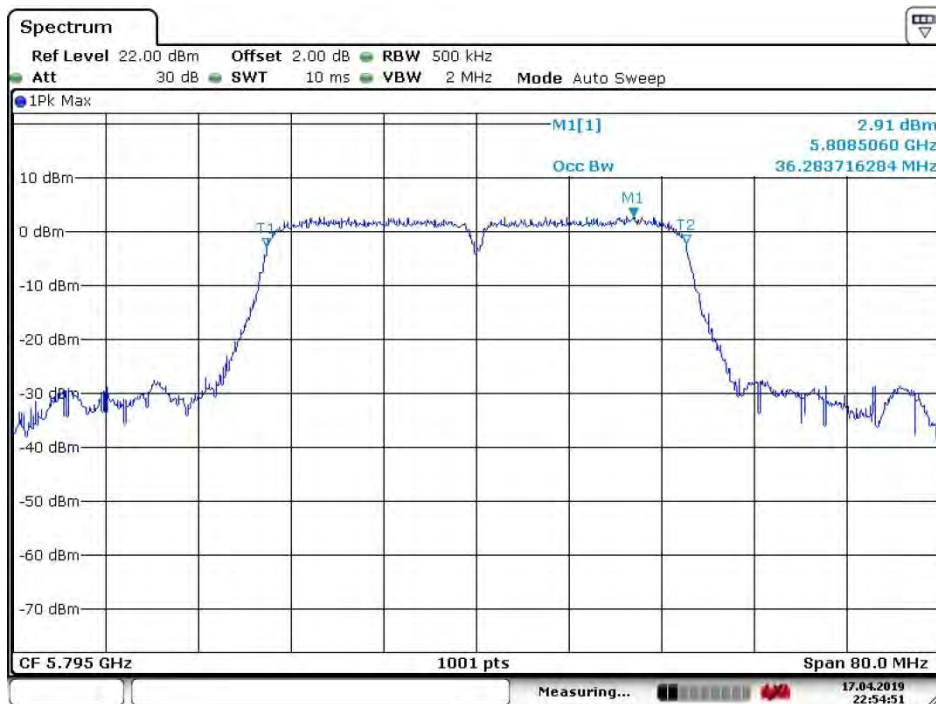
Date: 17. APR. 2019 22:54:33



4.6.1.8 11N40\_159 ANT 1



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

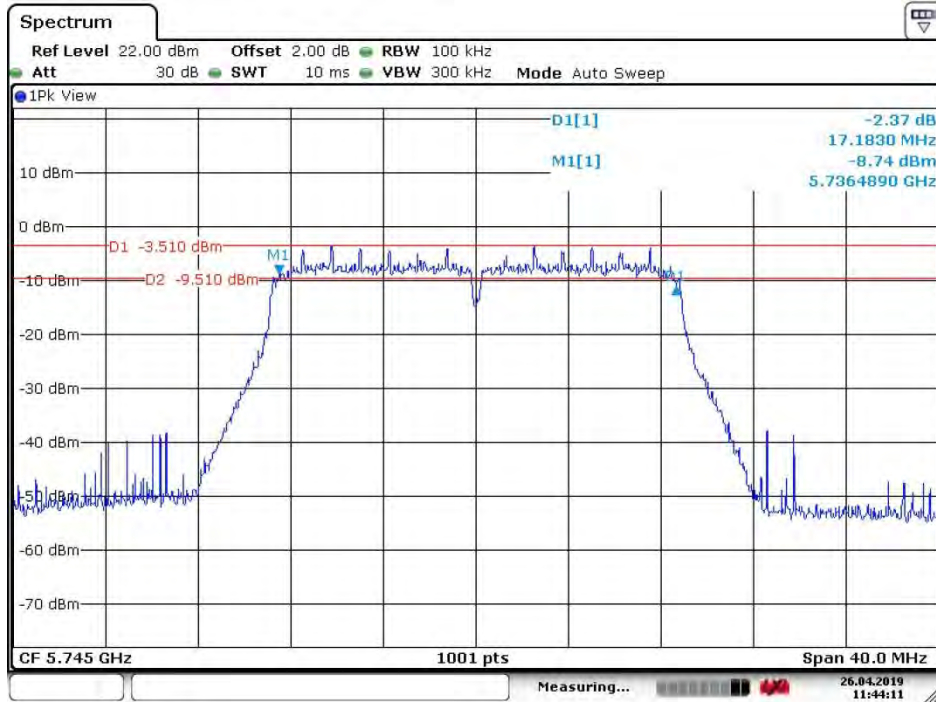


Date: 17.APR.2019 22:54:51

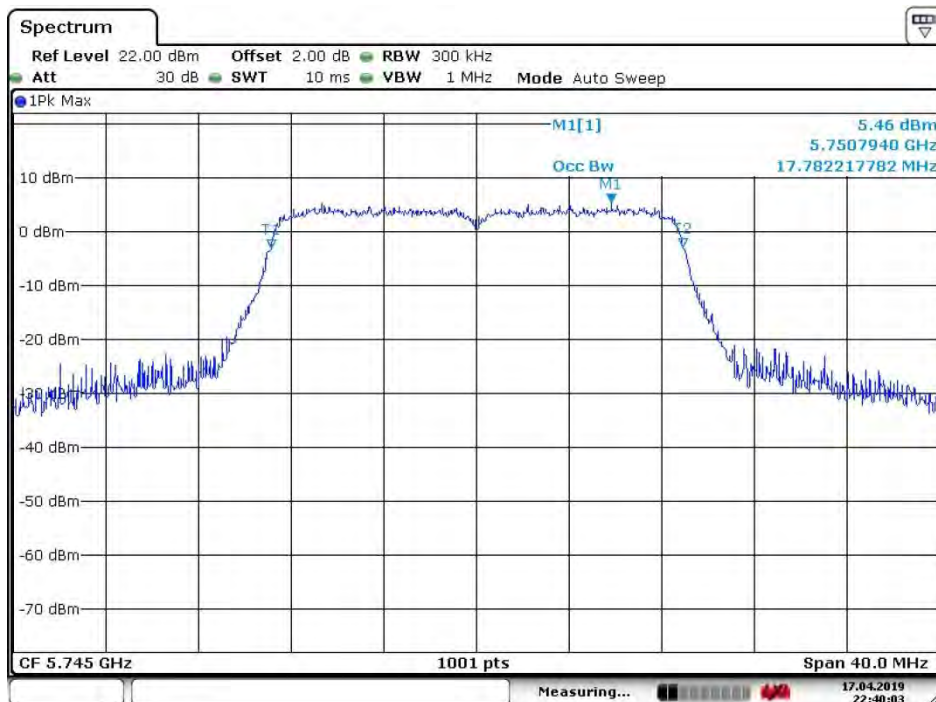


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4.6.1.9 11AC20\_149 ANT 1



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

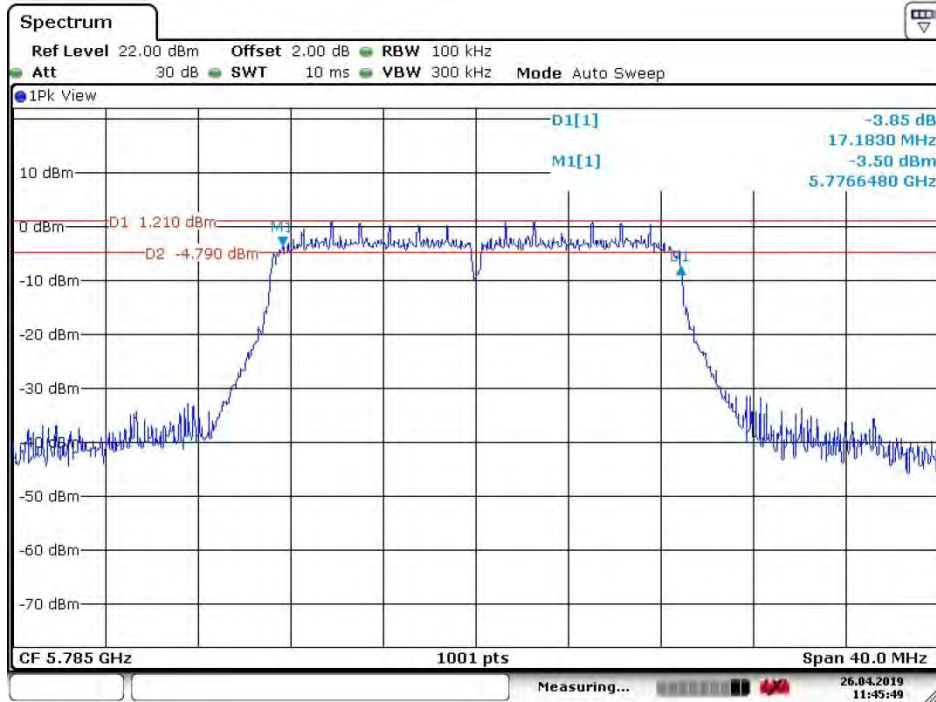


Date: 17. APR. 2019 22:40:04

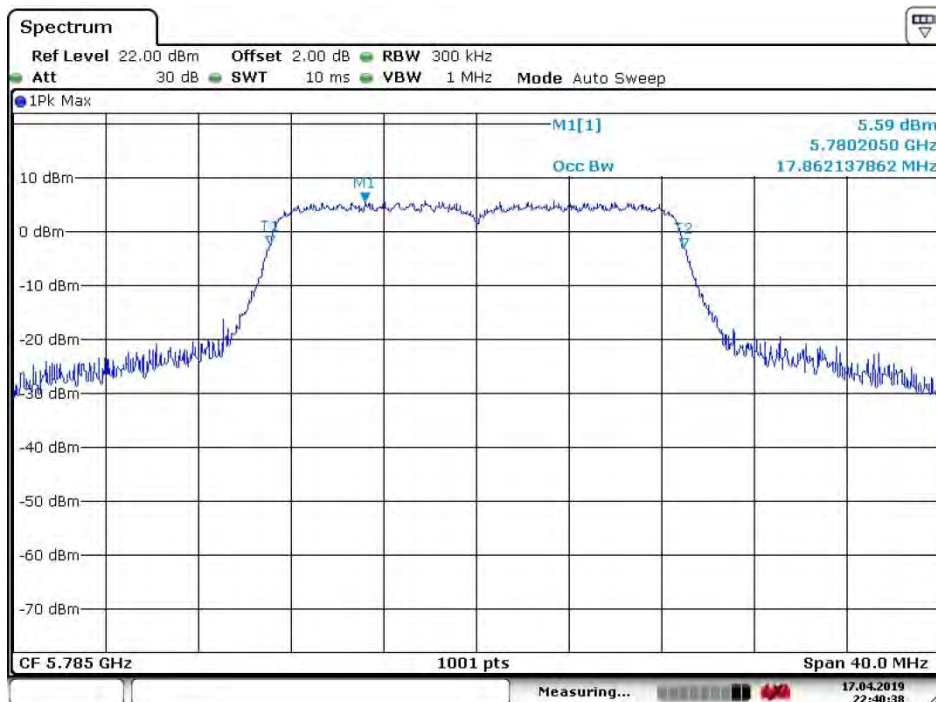


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4.6.1.10 11AC20\_157 ANT 1



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

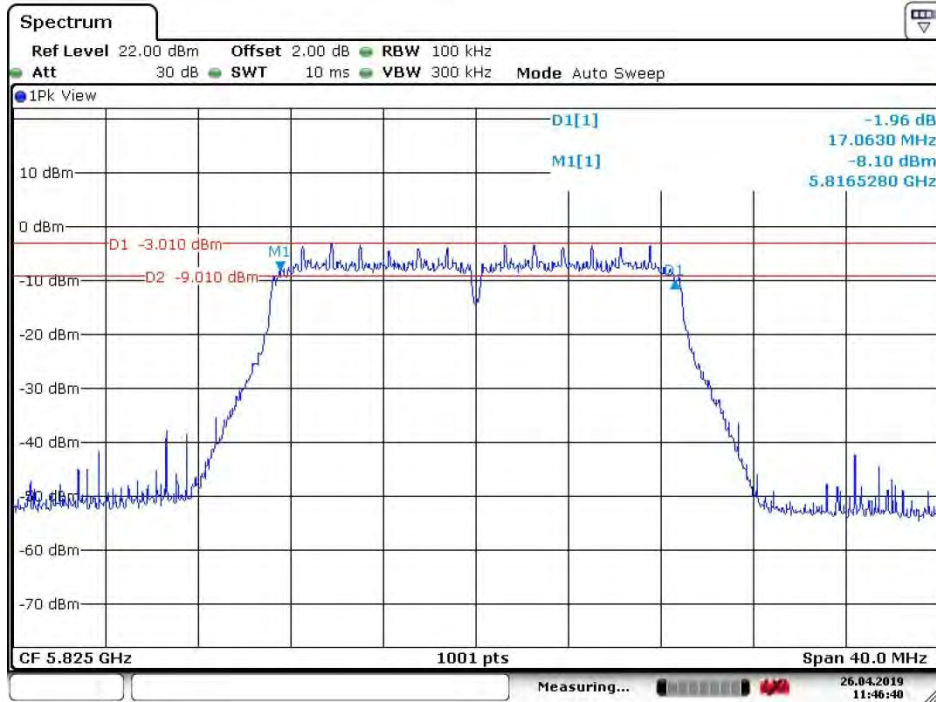


Date: 17. APR. 2019 22:40:38

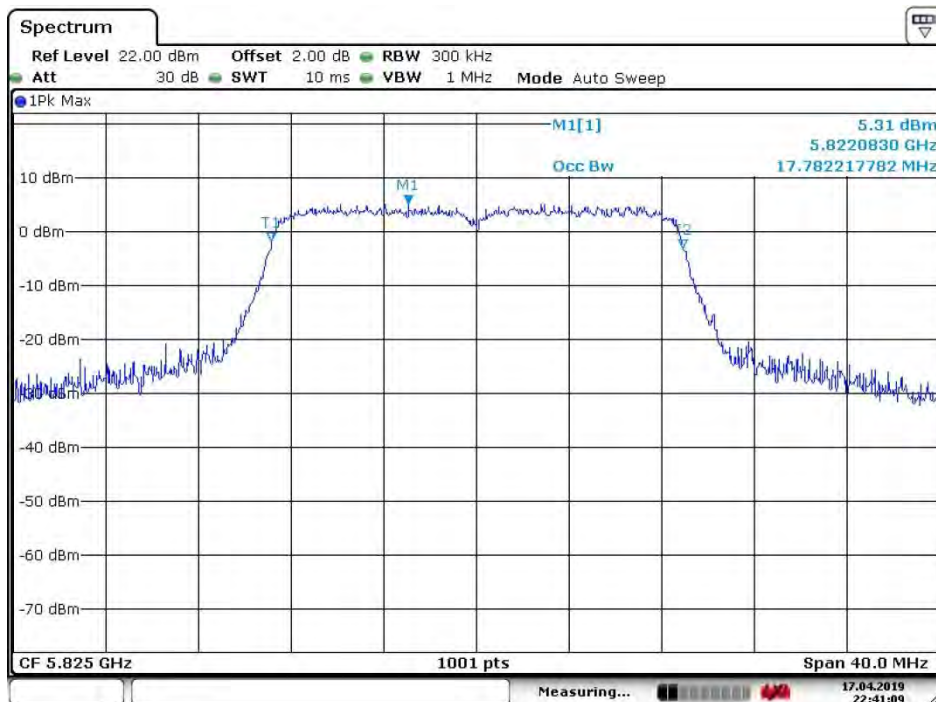


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4.6.1.11 11AC20\_165 ANT 1



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



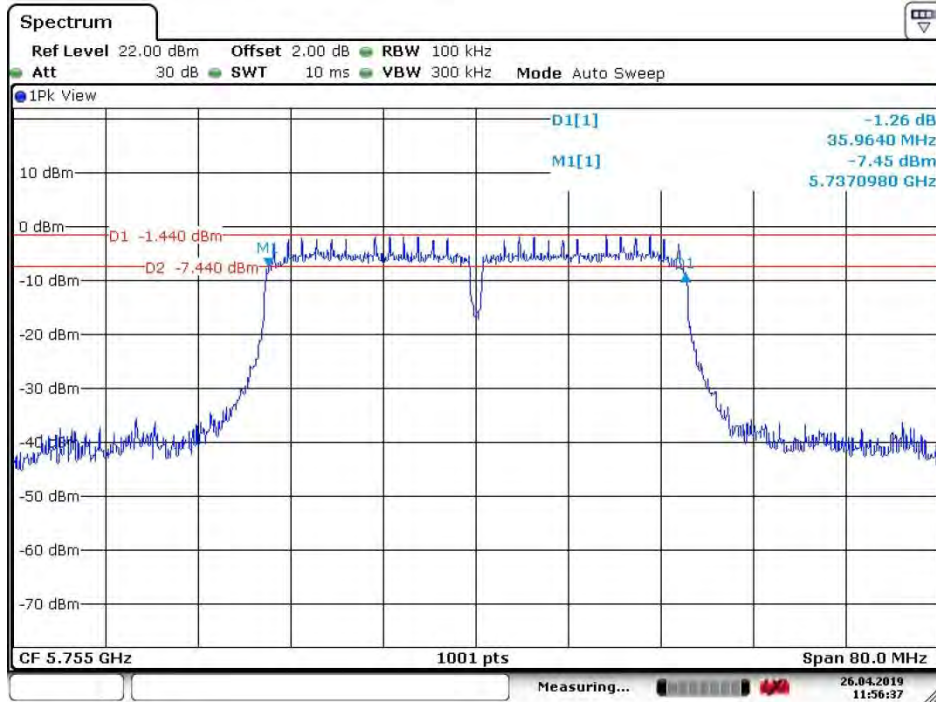
Date: 17. APR. 2019 22:41:09



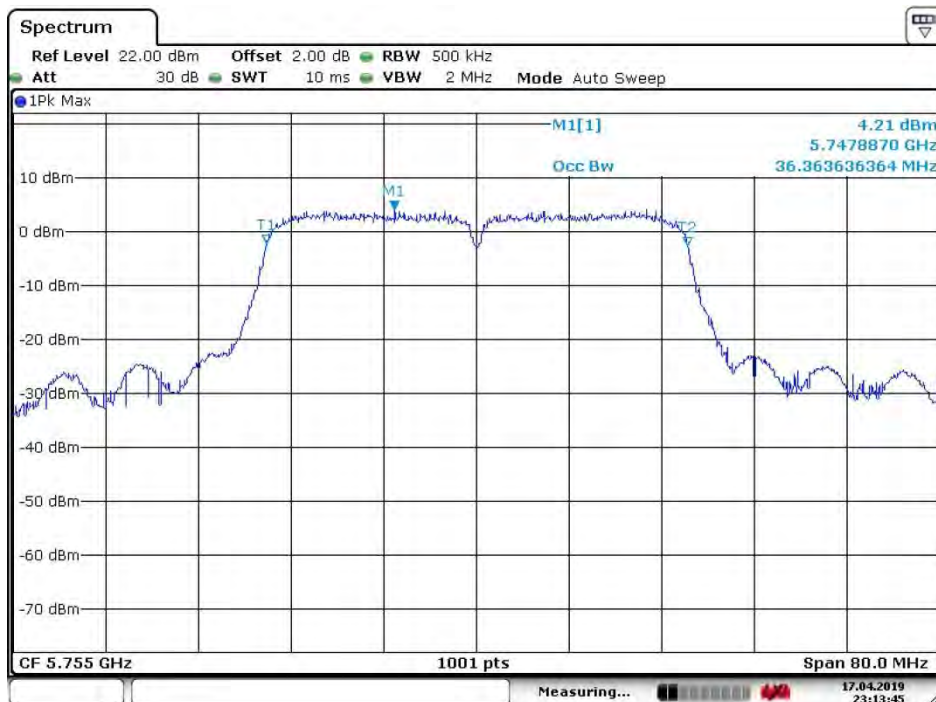
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**4.6.1.12 11AC40\_151 ANT 1**



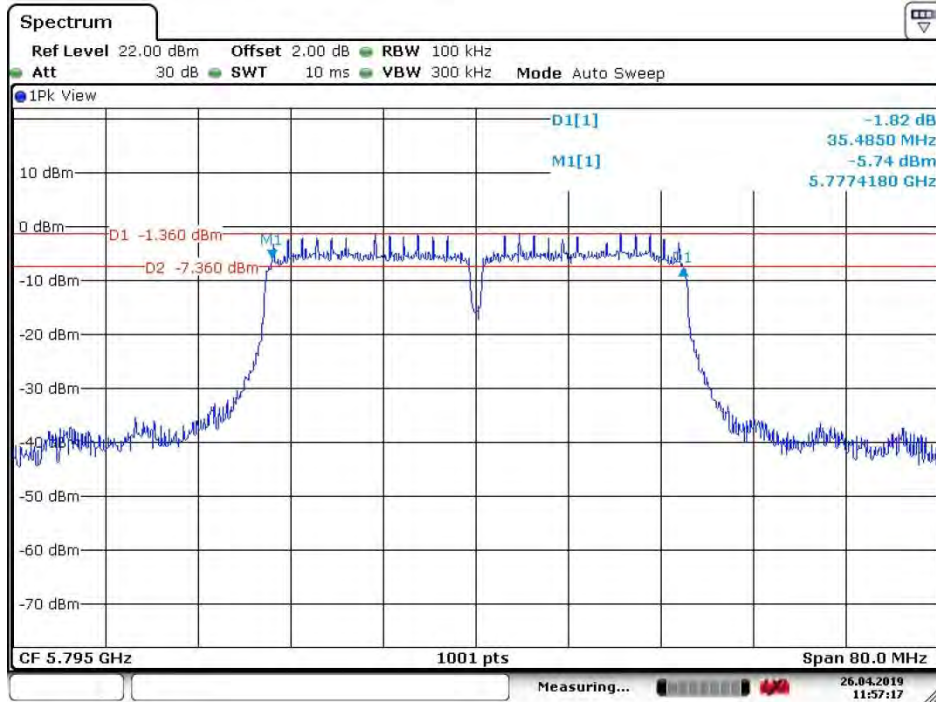
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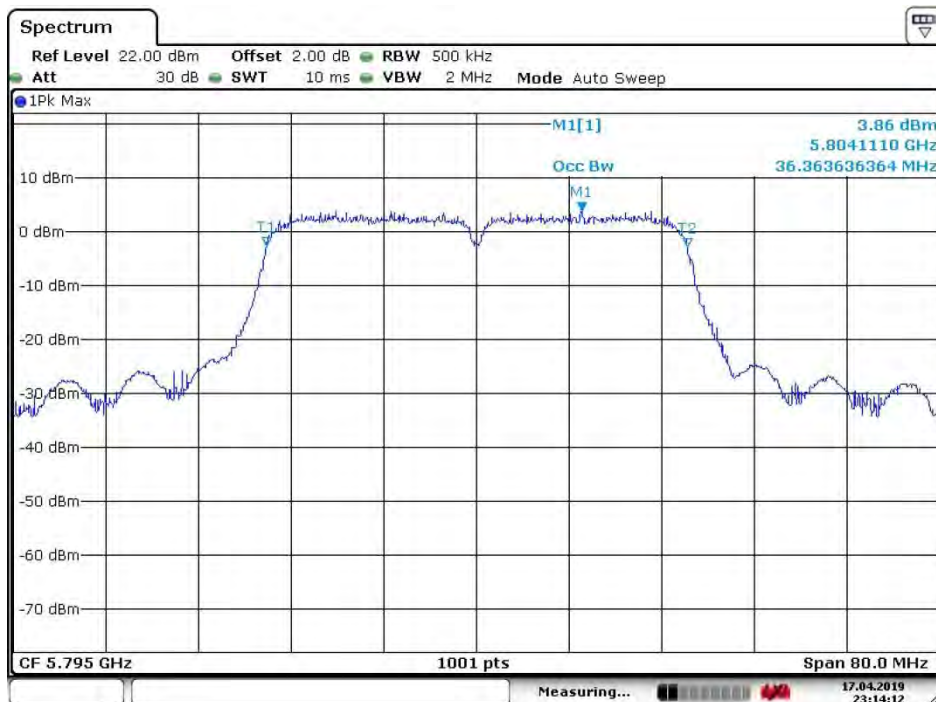
Date: 17. APR. 2019 23:13:45



4.6.1.13 11AC40\_159 ANT 1



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

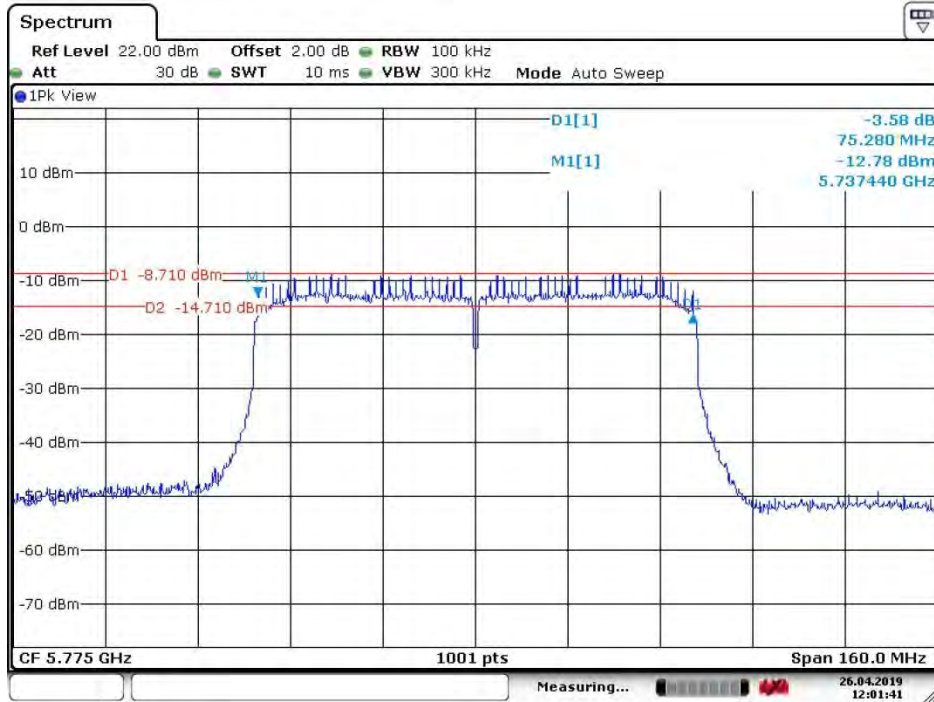


Date: 17.APR.2019 23:14:12

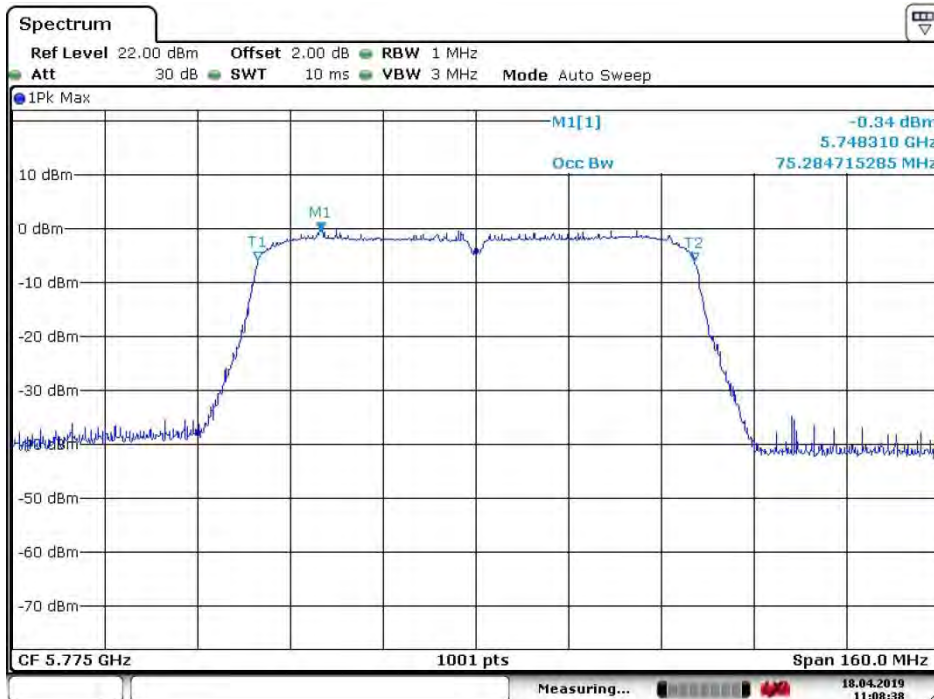


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4.6.1.14 11AC80\_155 ANT 1



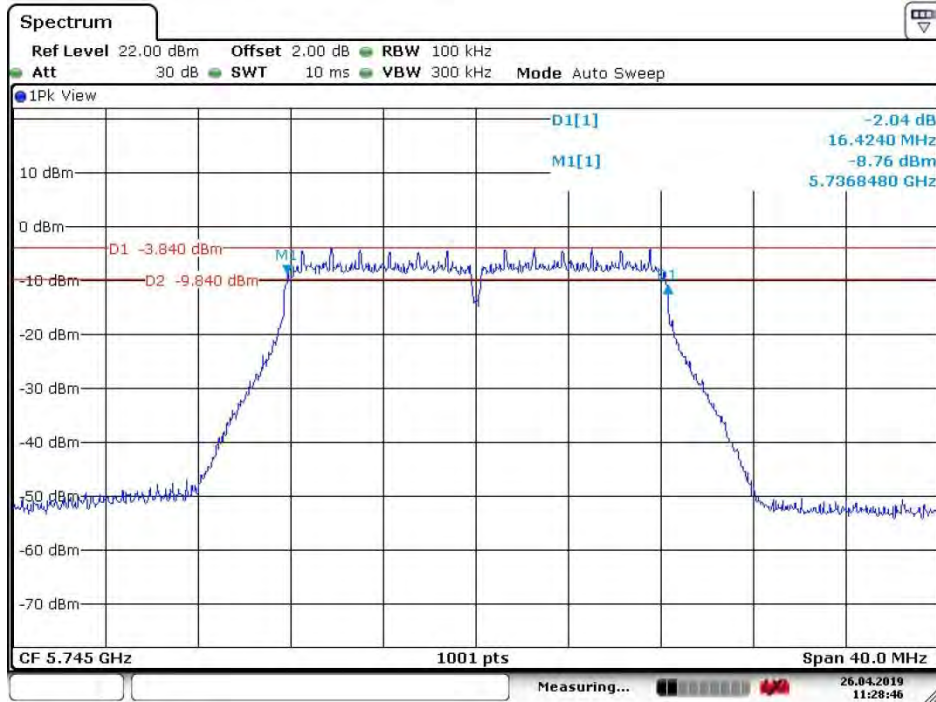
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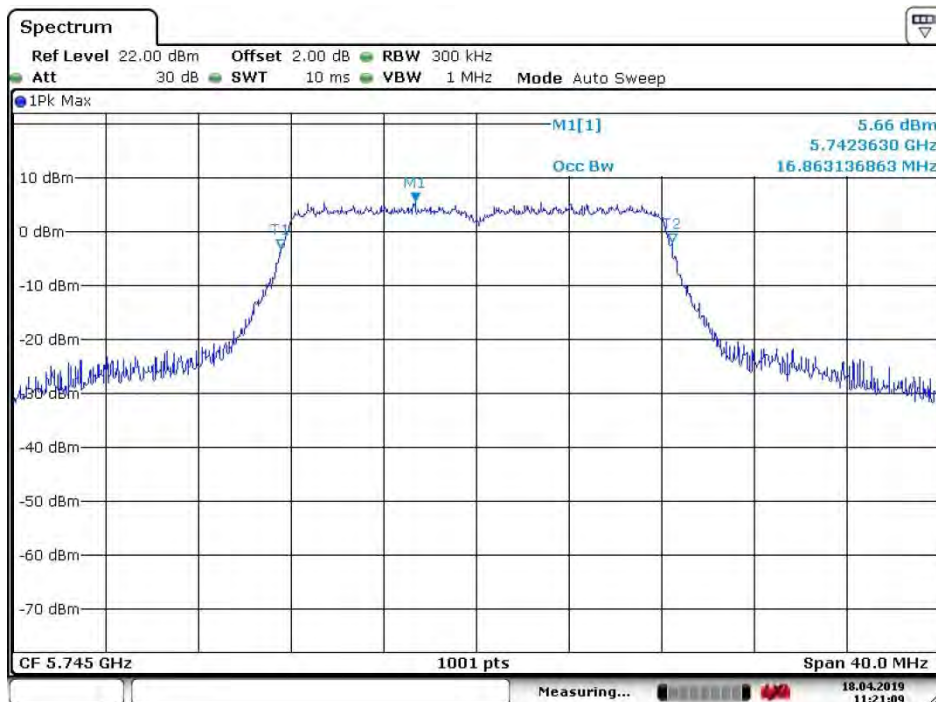
Date: 18.APR.2019 11:08:38



**4.6.1.15 11A20\_149 ANT 2**



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

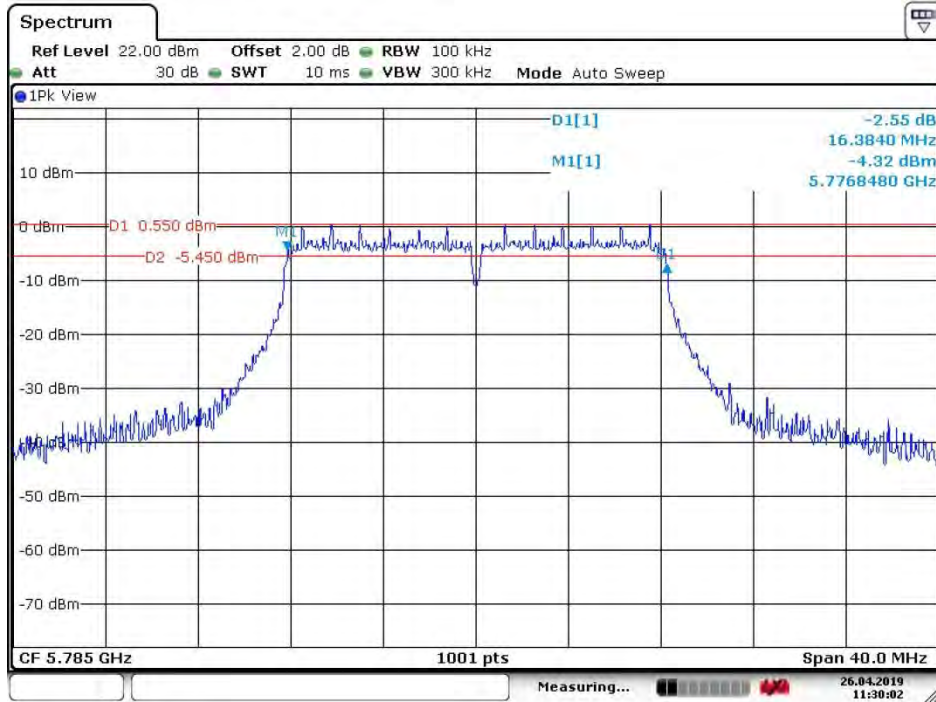


Date: 18.APR.2019 11:21:10

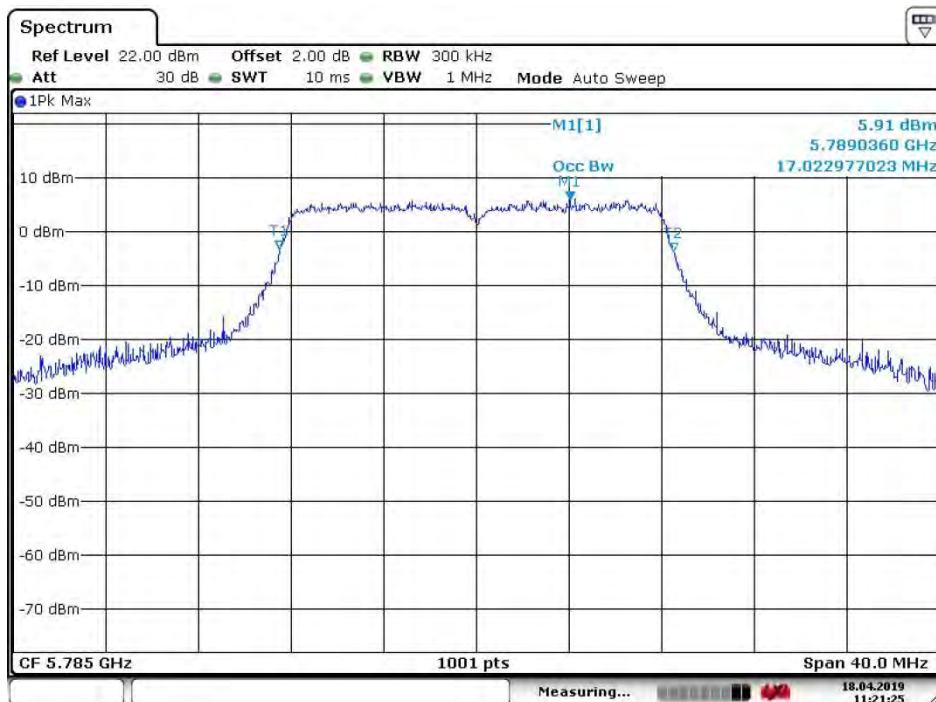


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4.6.1.16 11A20\_157 ANT 2



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

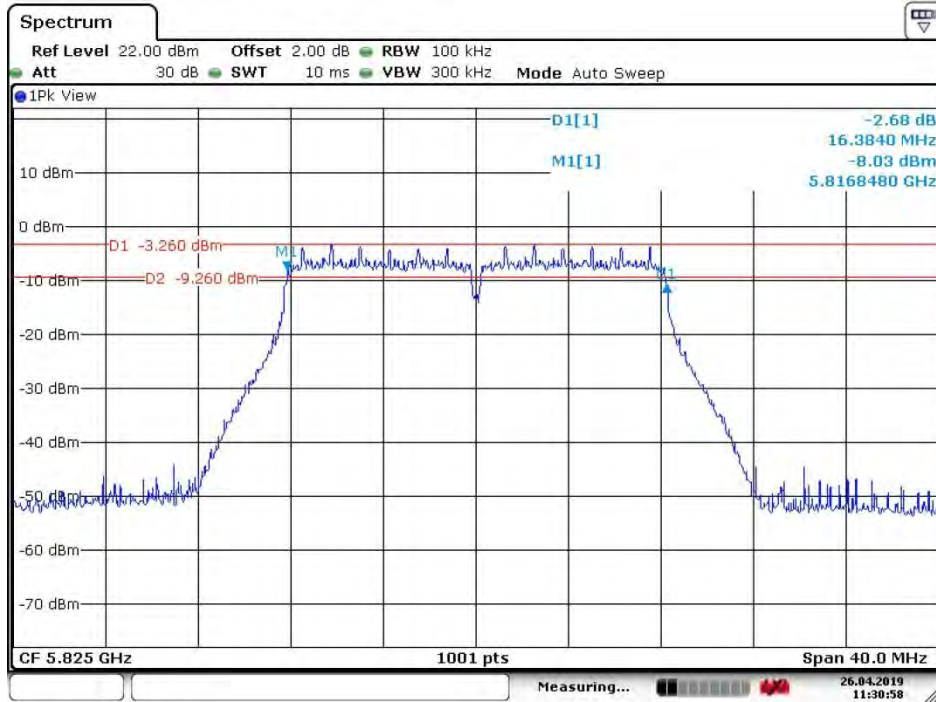


Date: 18 APR. 2019 11:21:26

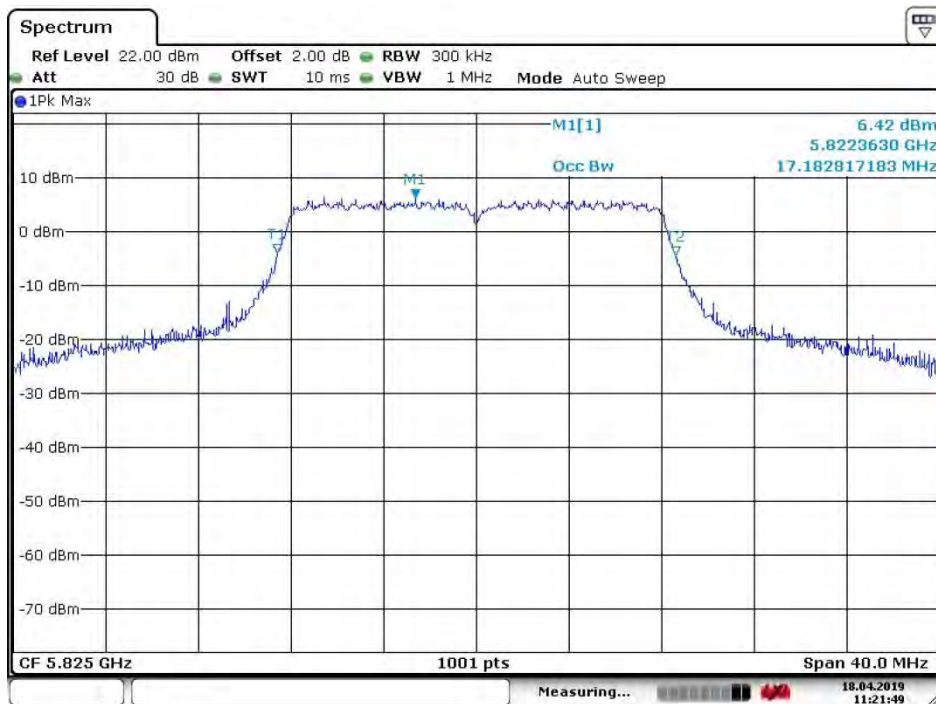


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**4.6.1.17 11A20\_165 ANT 2**



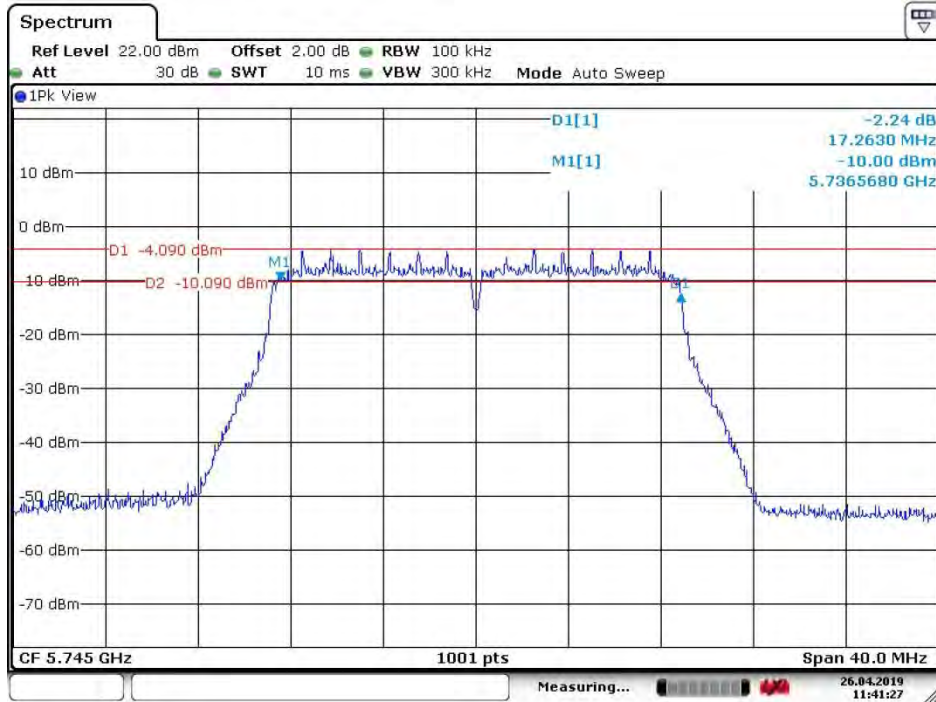
Date: 26.APR.2019 11:30:58



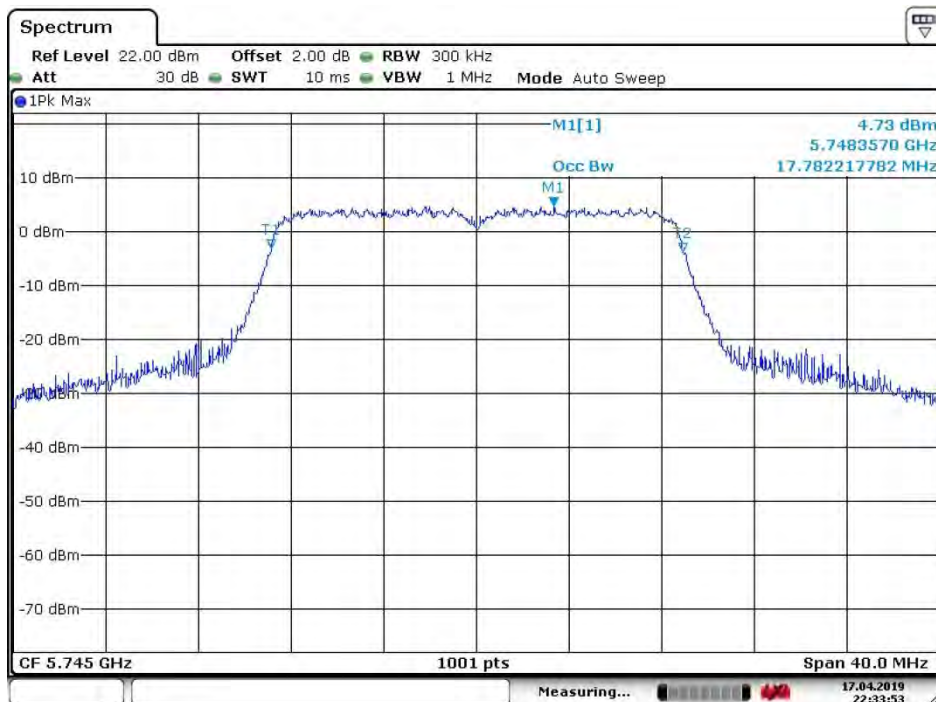
Date: 18.APR.2019 11:21:49



4.6.1.18 11N20\_149 ANT 2



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

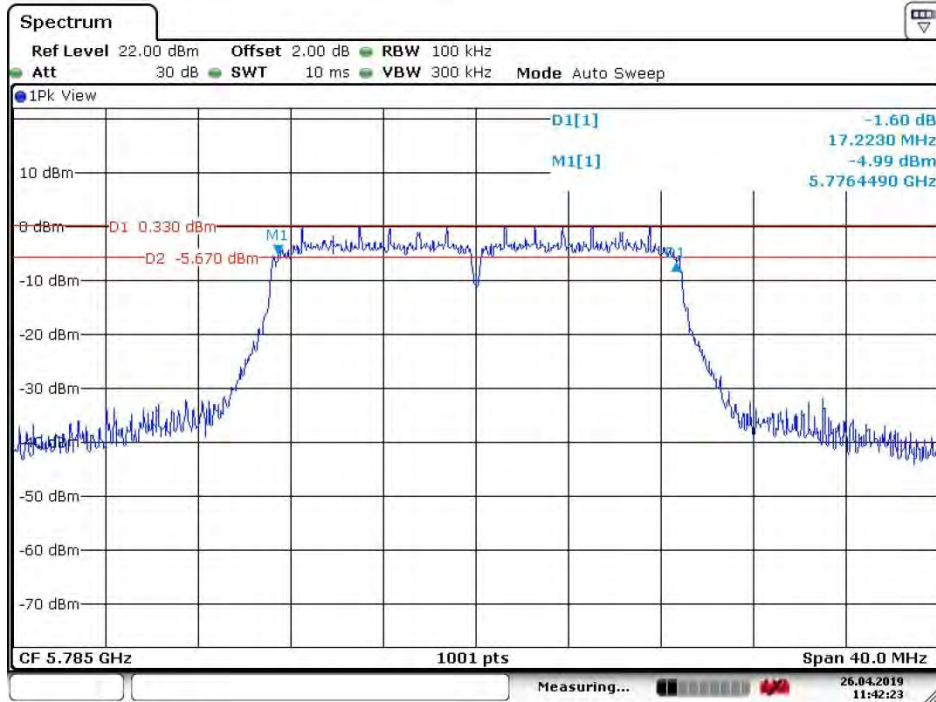


Date: 17.APR.2019 22:33:54

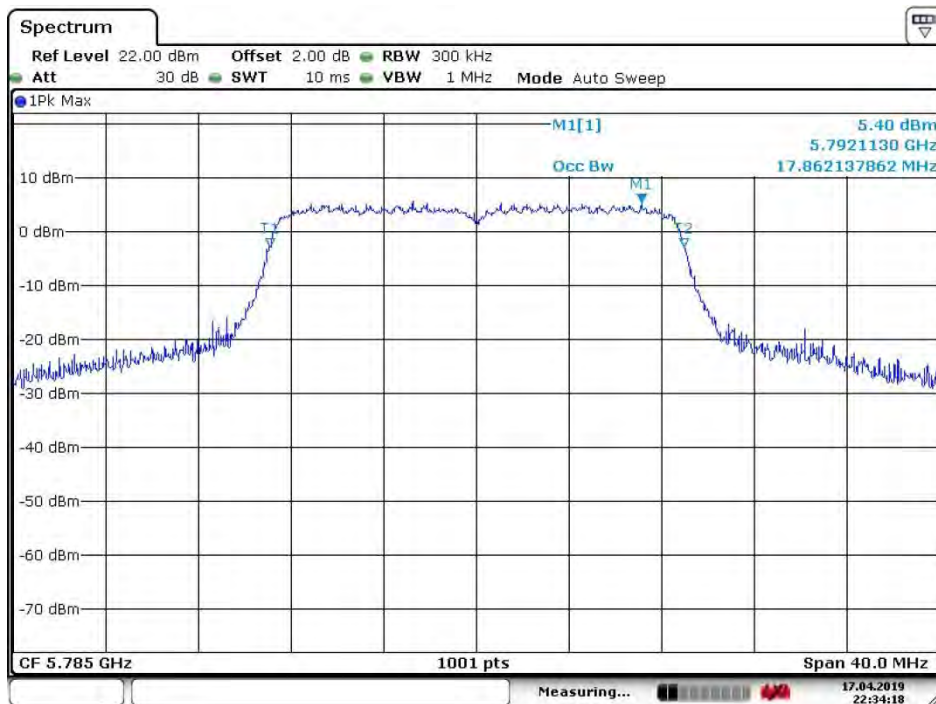


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4.6.1.19 11N20\_157 ANT 2



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

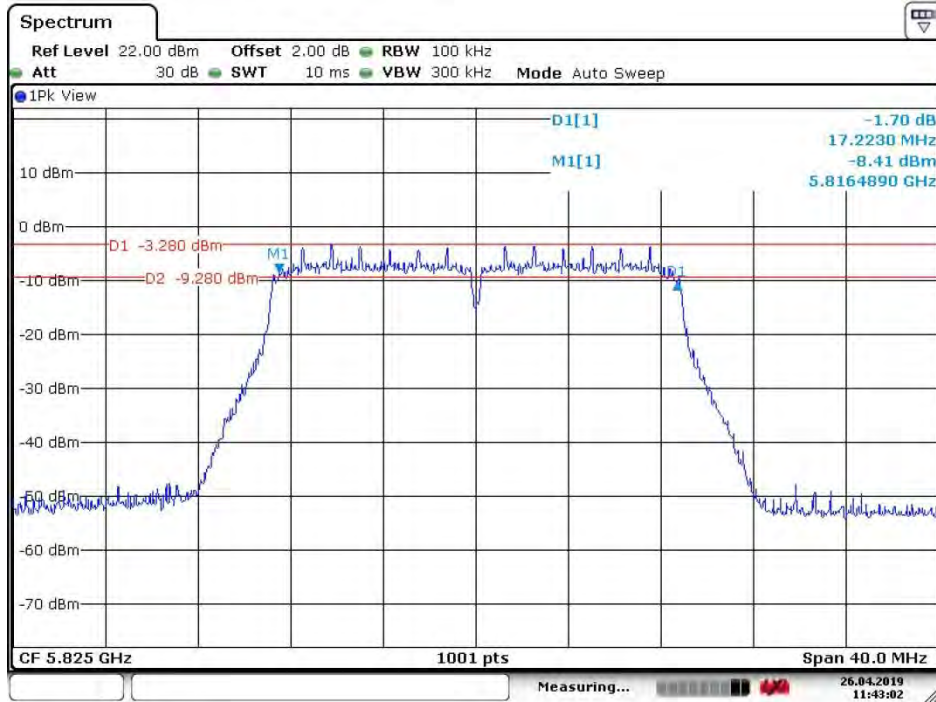


Date: 17. APR. 2019 22:34:18

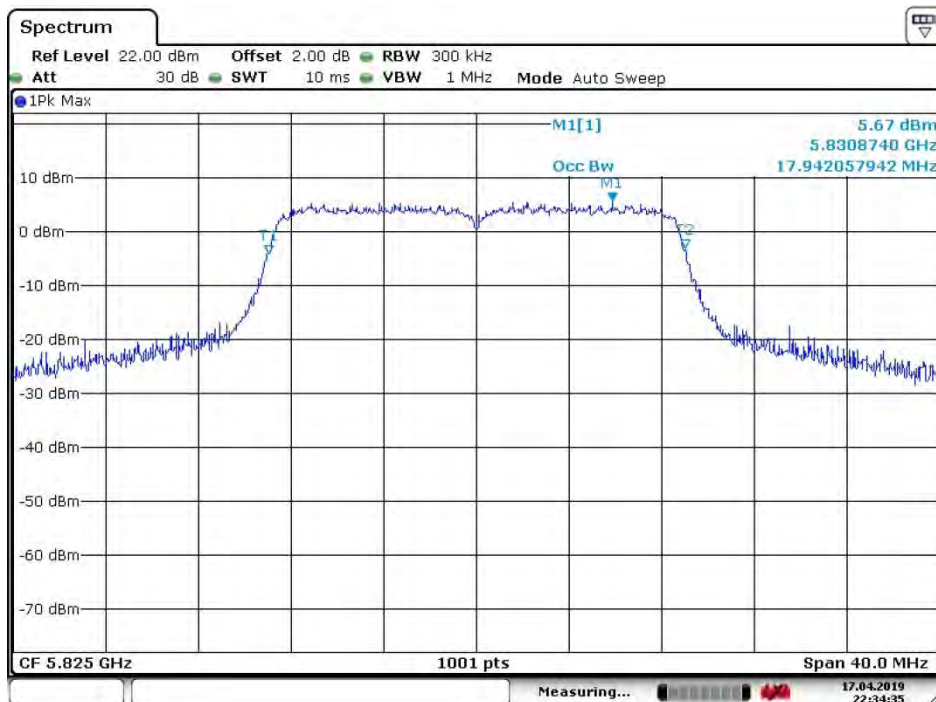




**4.6.1.20 11N20\_165 ANT 2**



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

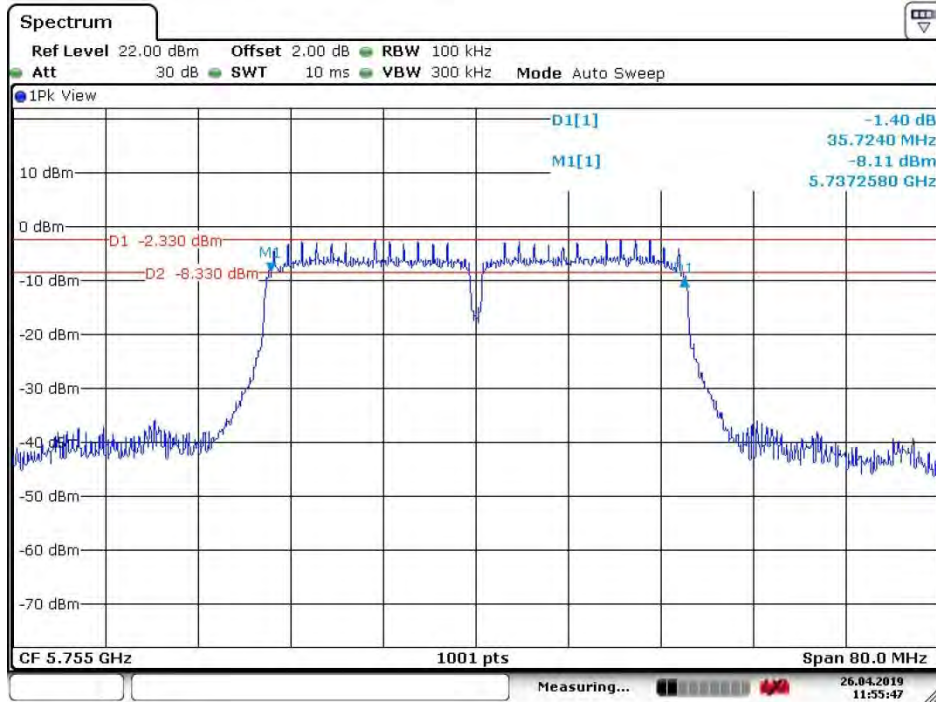


Date: 17. APR. 2019 22:34:35

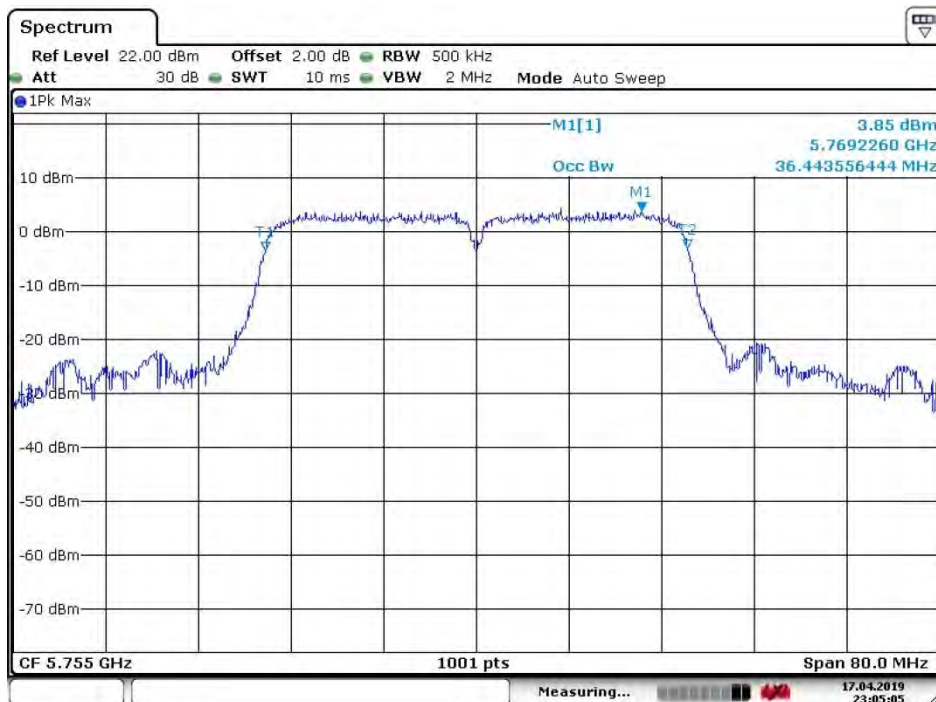


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**4.6.1.21 11N40\_151 ANT 2**



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

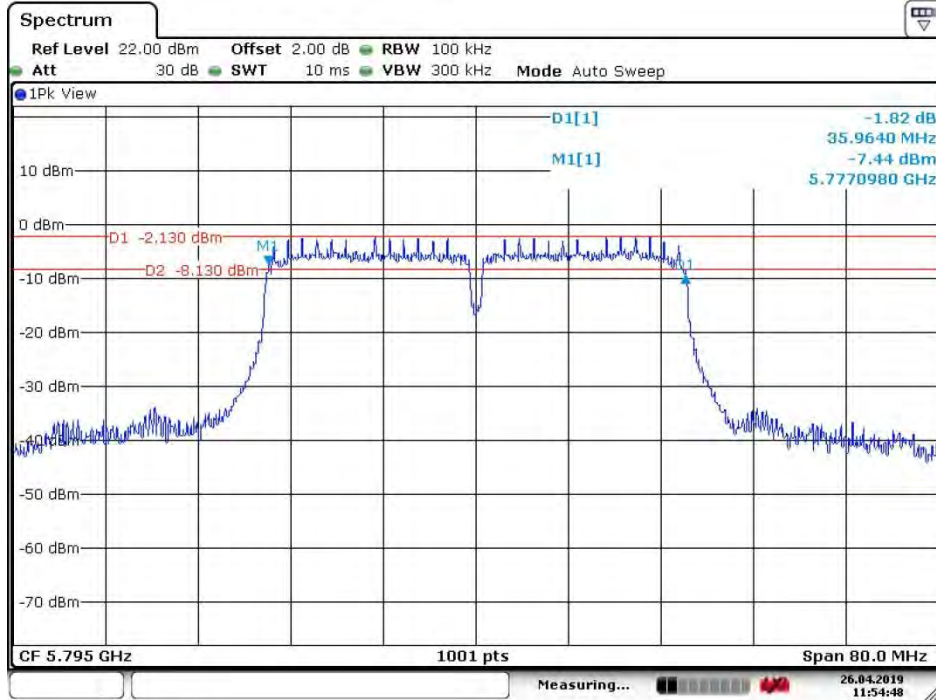


Date: 17. APR. 2019 23:05:06

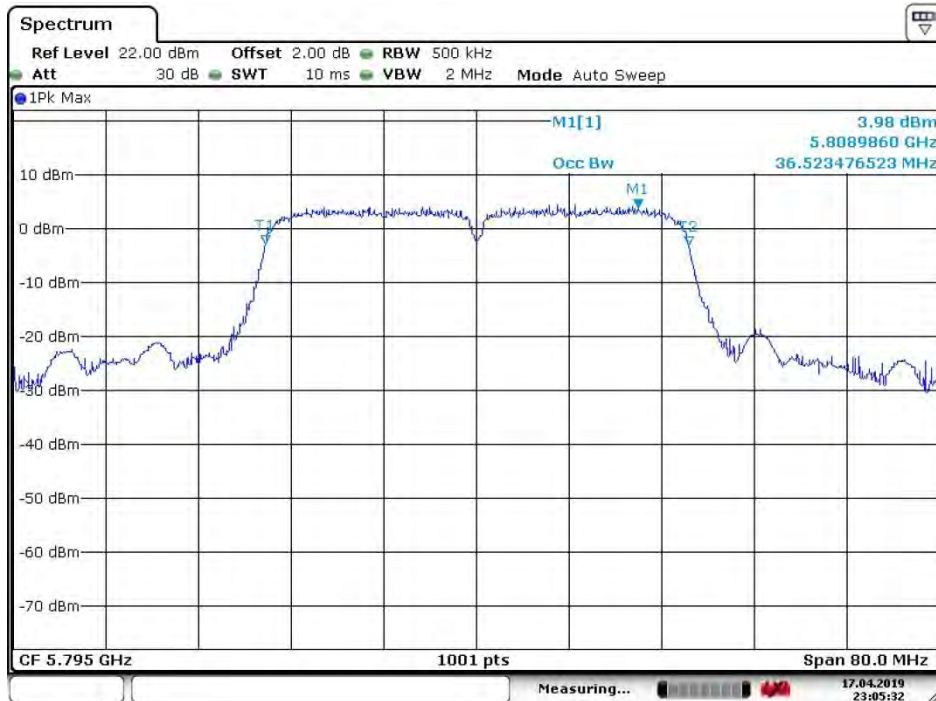


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4.6.1.22 11N40\_159 ANT 2



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

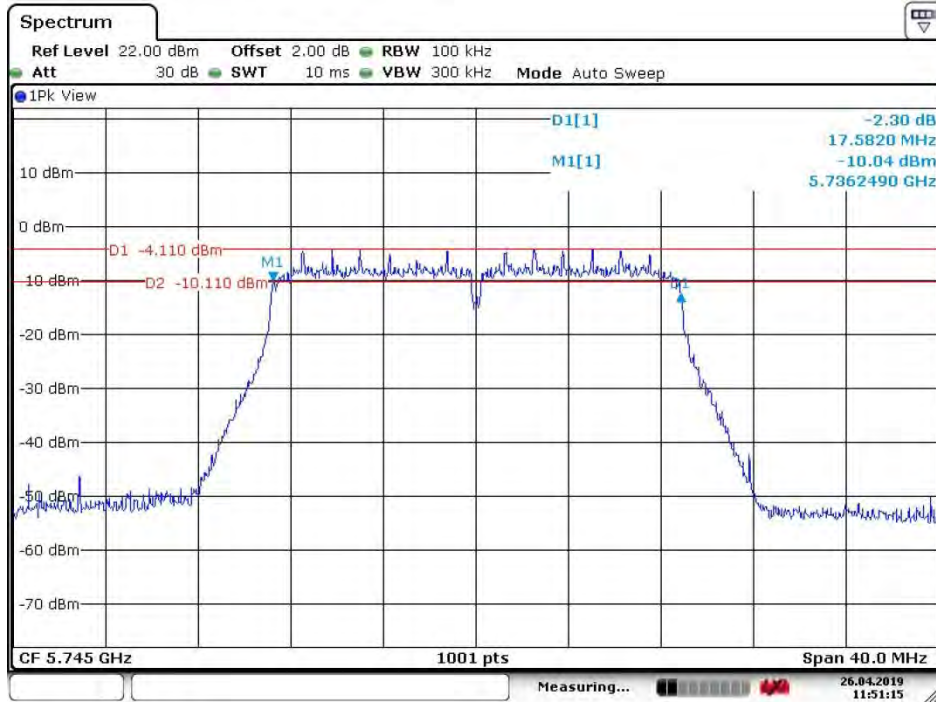


Date: 17. APR. 2019 23:05:32

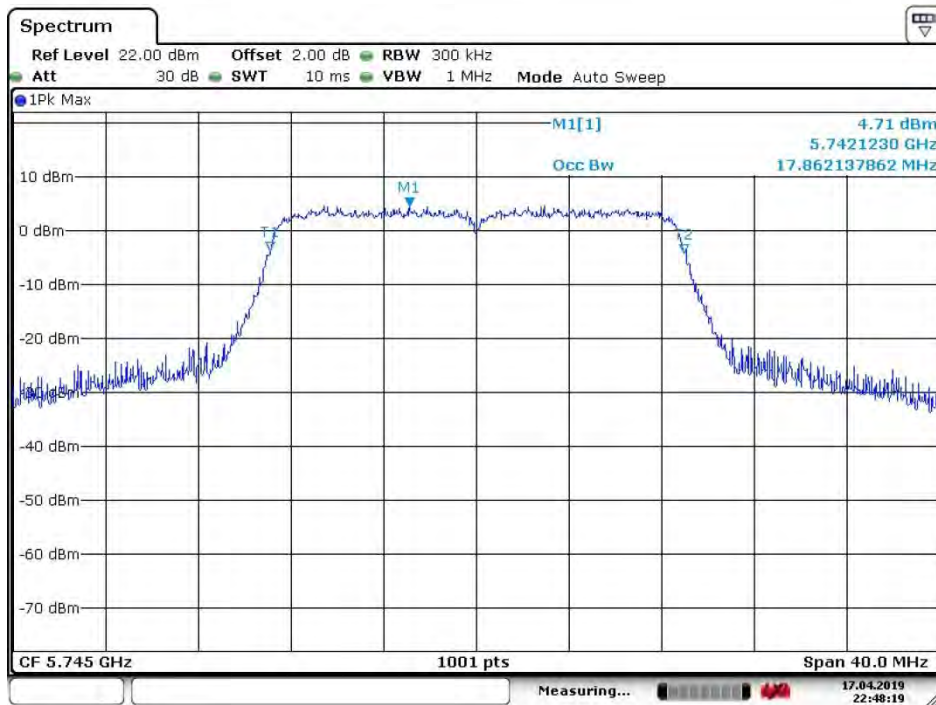


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4.6.1.23 11AC20\_149 ANT 2



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

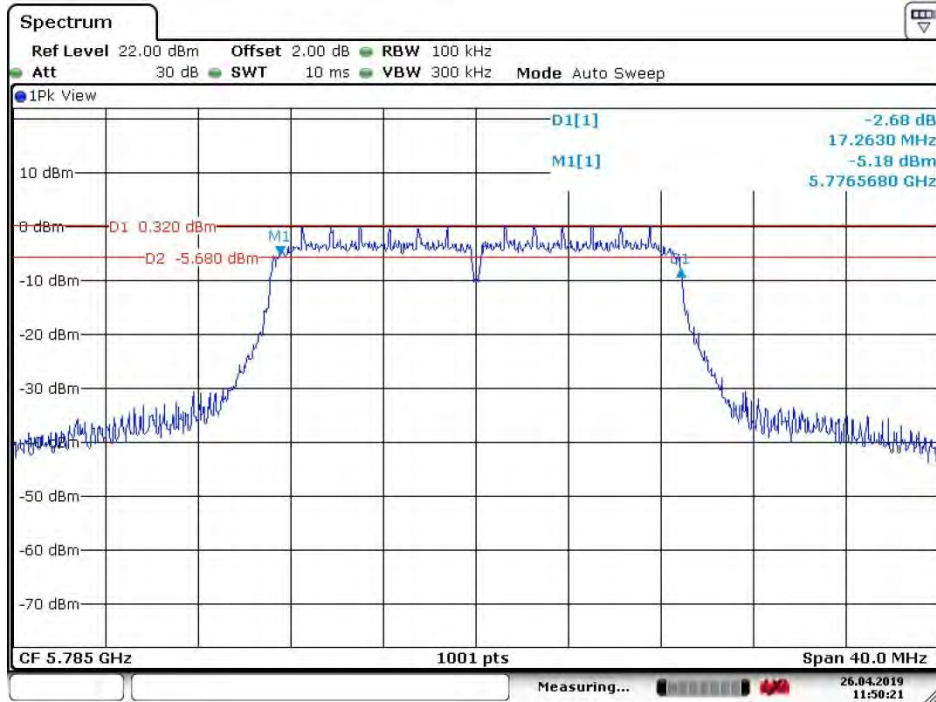


Date: 17.APR.2019 22:48:19

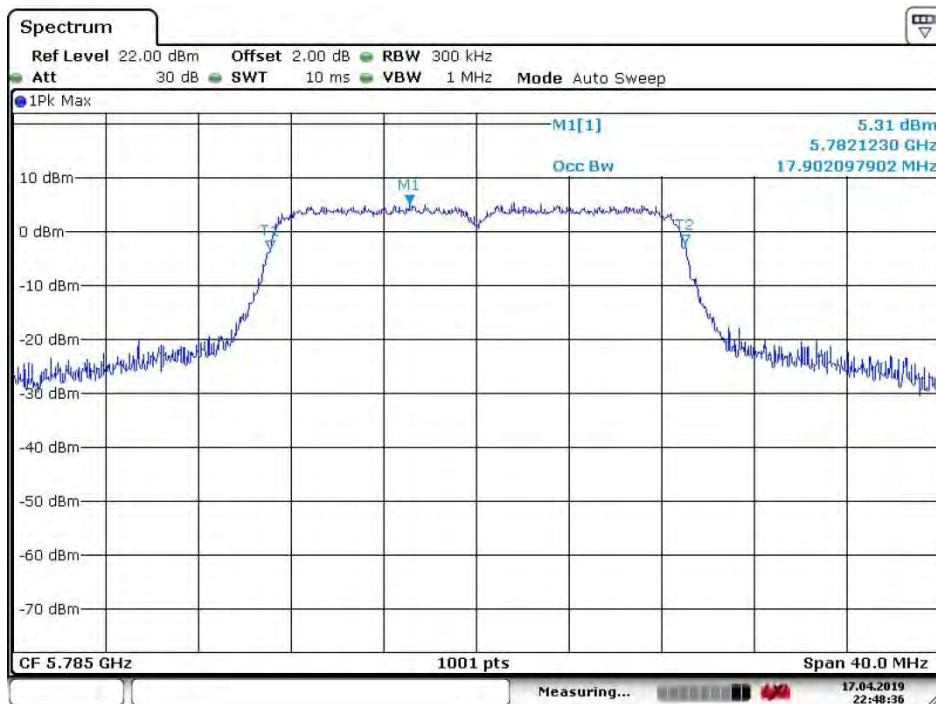


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4.6.1.24 11AC20\_157 ANT 2



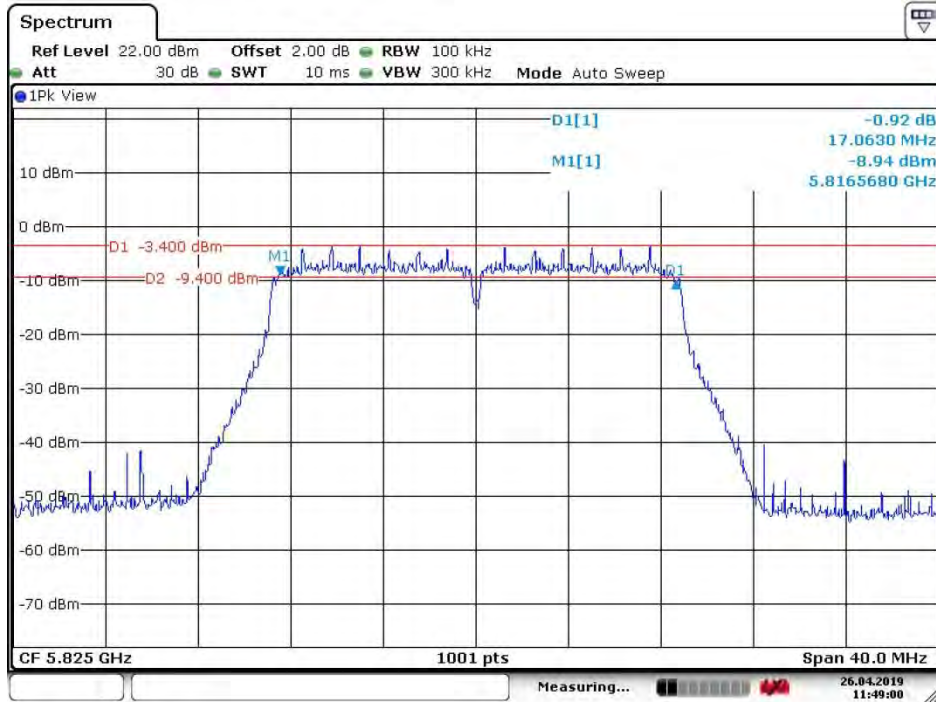
Date: 26. APR. 2019 11:50:21



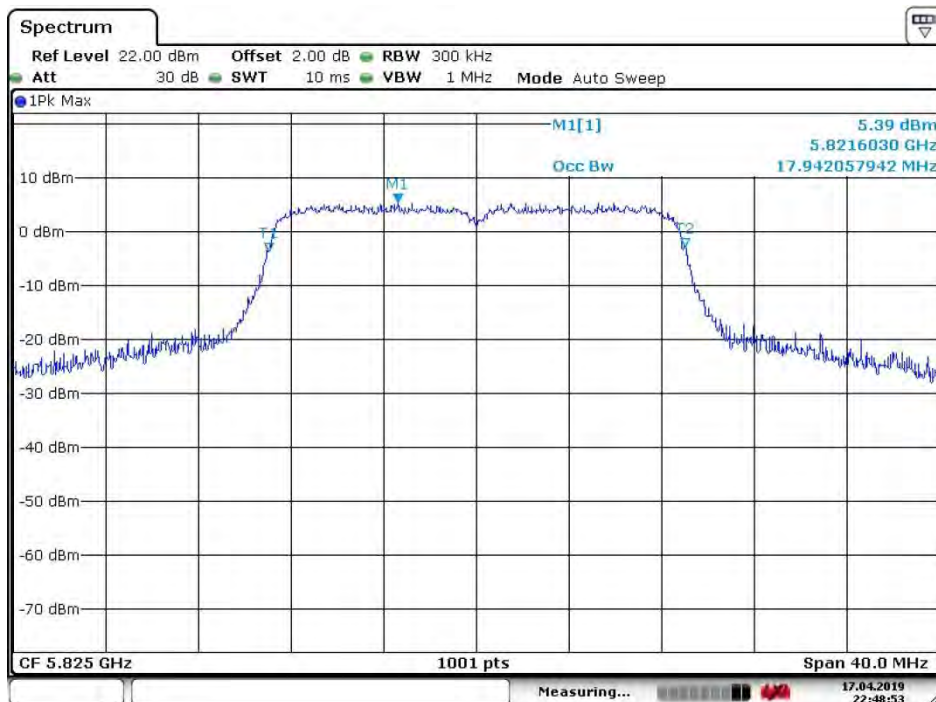
Date: 17. APR. 2019 22:48:36



4.6.1.25 11AC20\_165 ANT 2



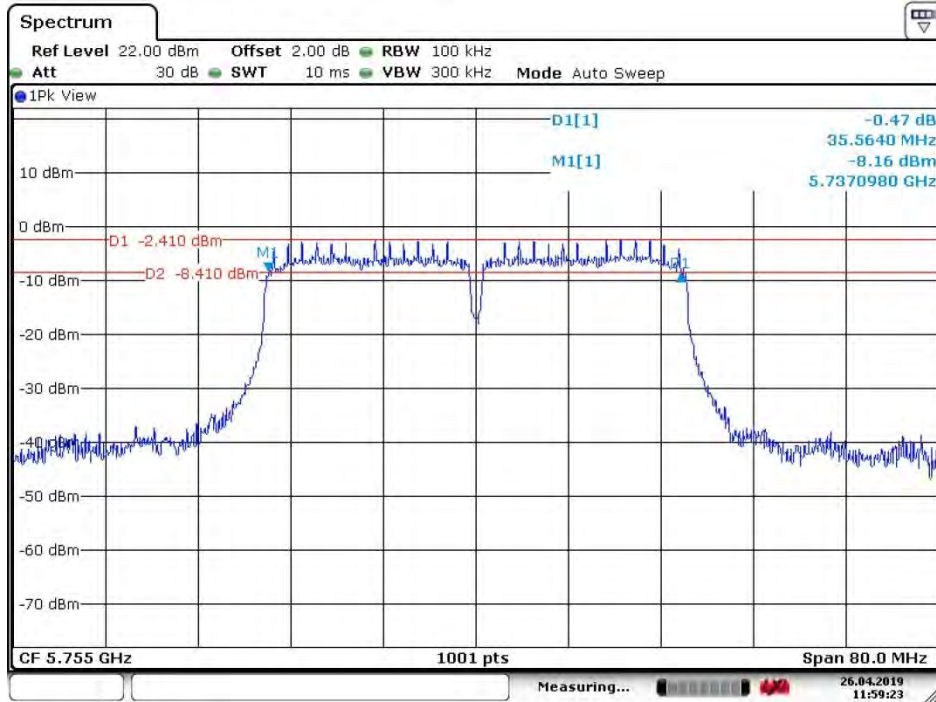
Date: 26. APR. 2019 11:49:00



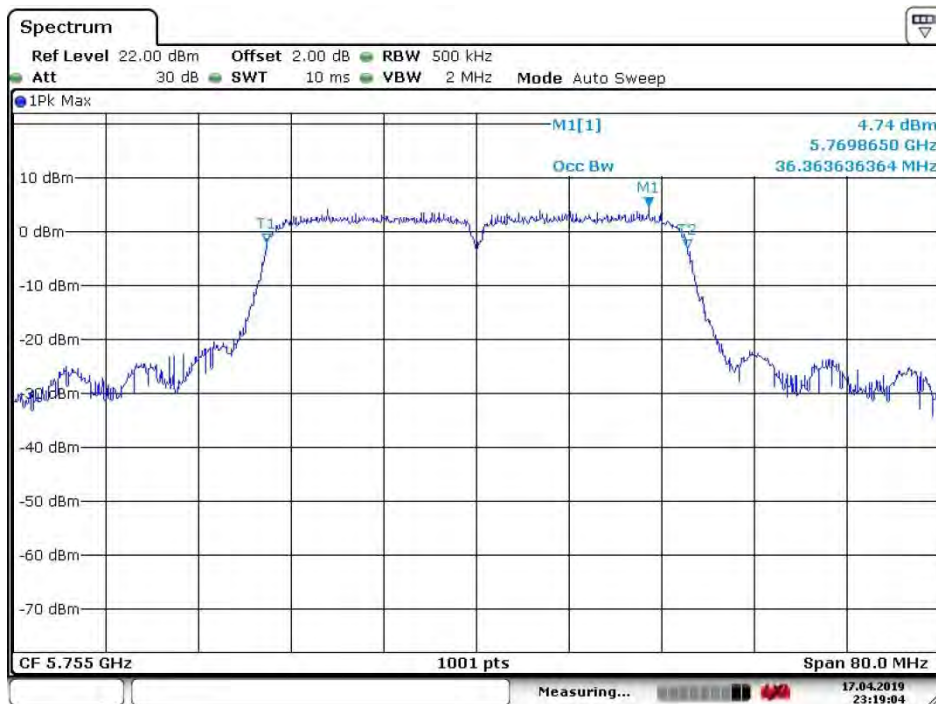
Date: 17. APR. 2019 22:48:53



4.6.1.26 11AC40\_151 ANT 2



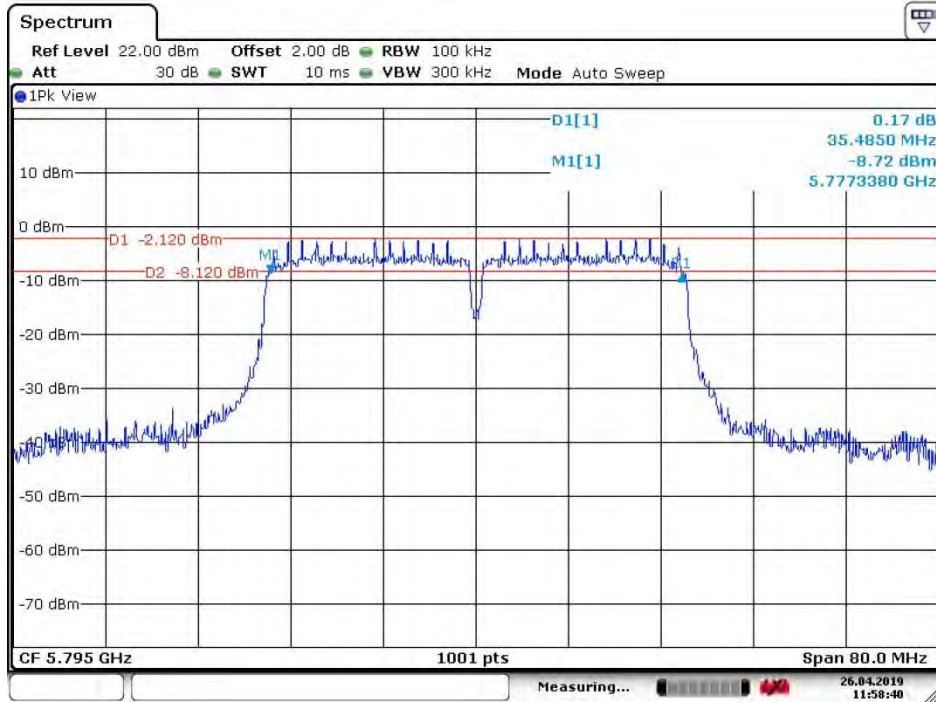
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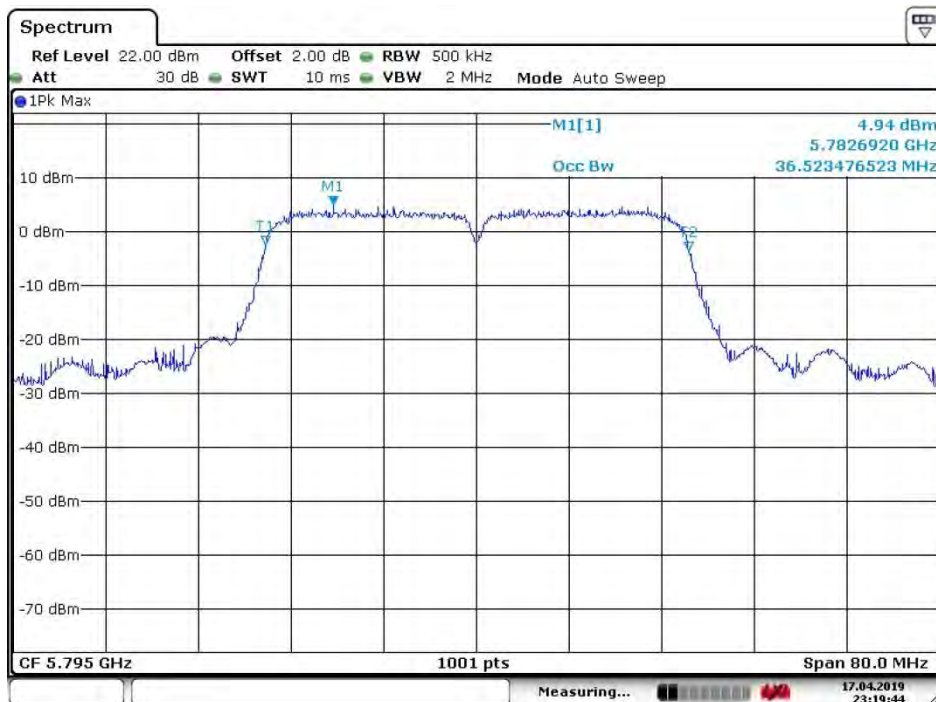
Date: 17.APR.2019 23:19:04



4.6.1.27 11AC40\_159 ANT 2



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

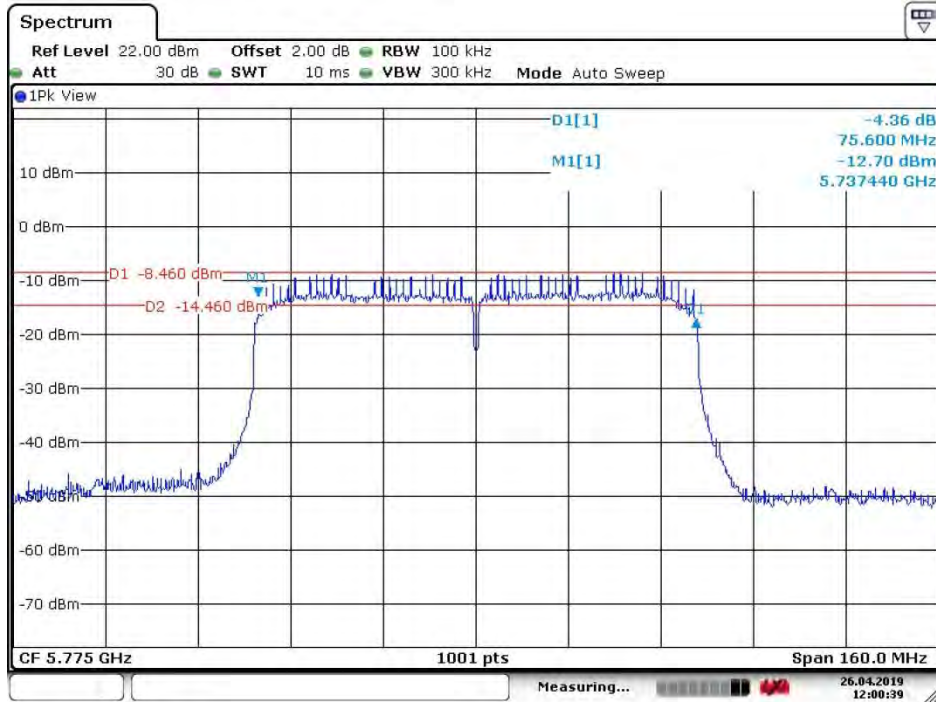


Date: 17. APR. 2019 23:19:45

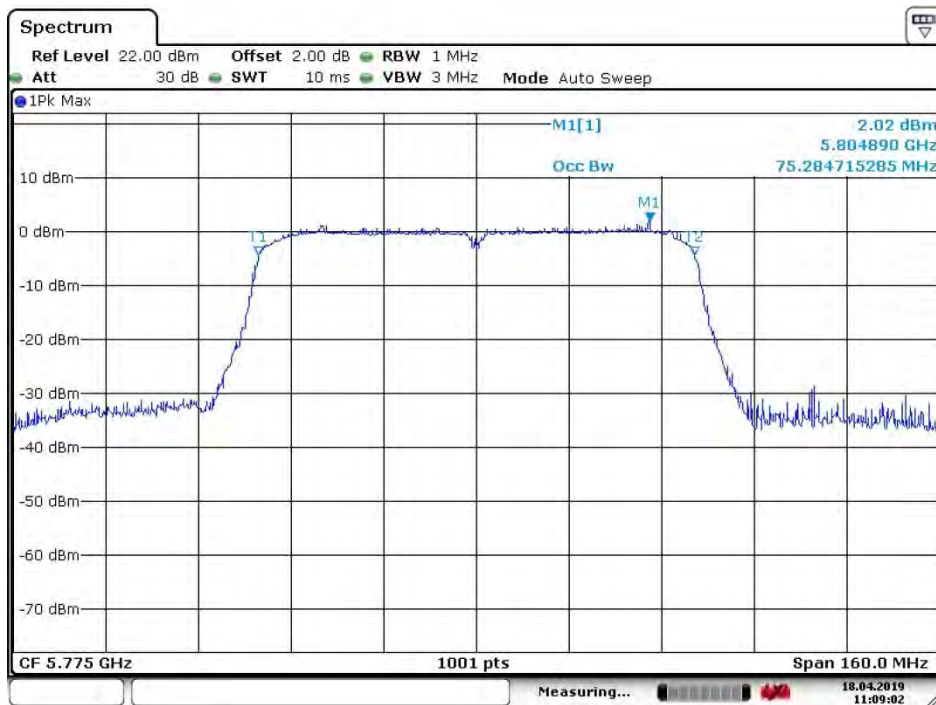




4.6.1.28 11AC80\_155 ANT 2



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

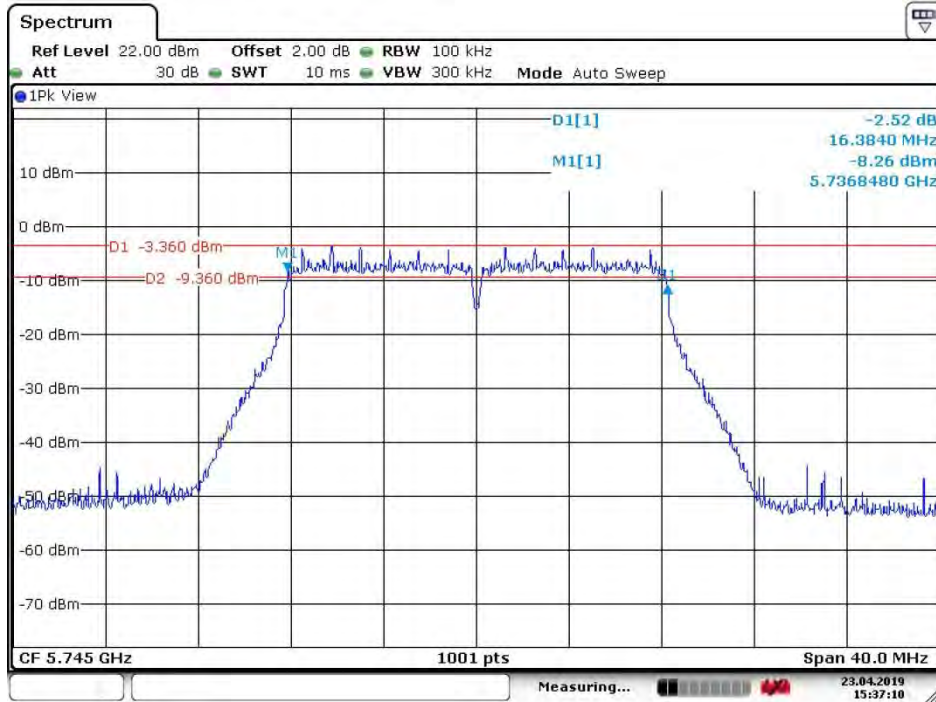


Date: 18.APR.2019 11:09:02

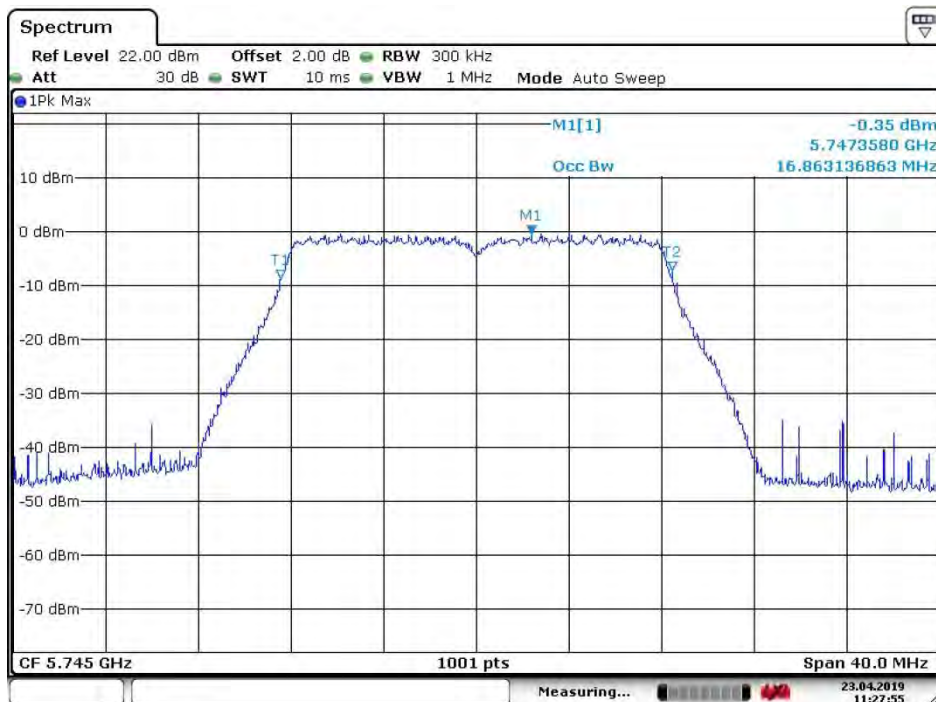


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4.6.1.29 11A20\_CDD\_149 ANT 1



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

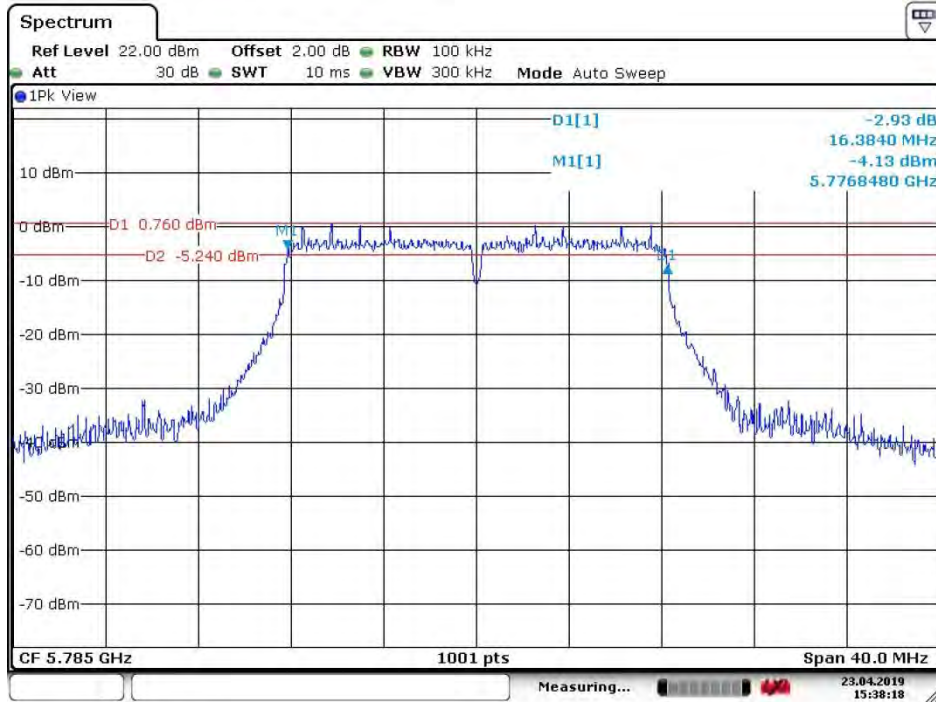


Date: 23.APR.2019 11:27:56

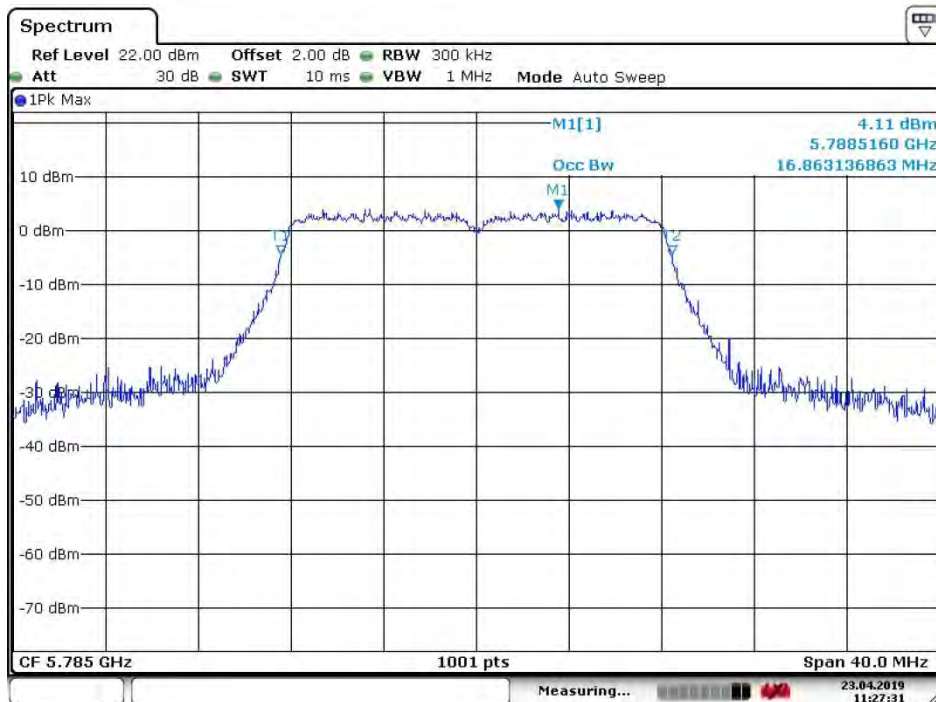


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4.6.1.30 11A20\_CDD\_157 ANT 1



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

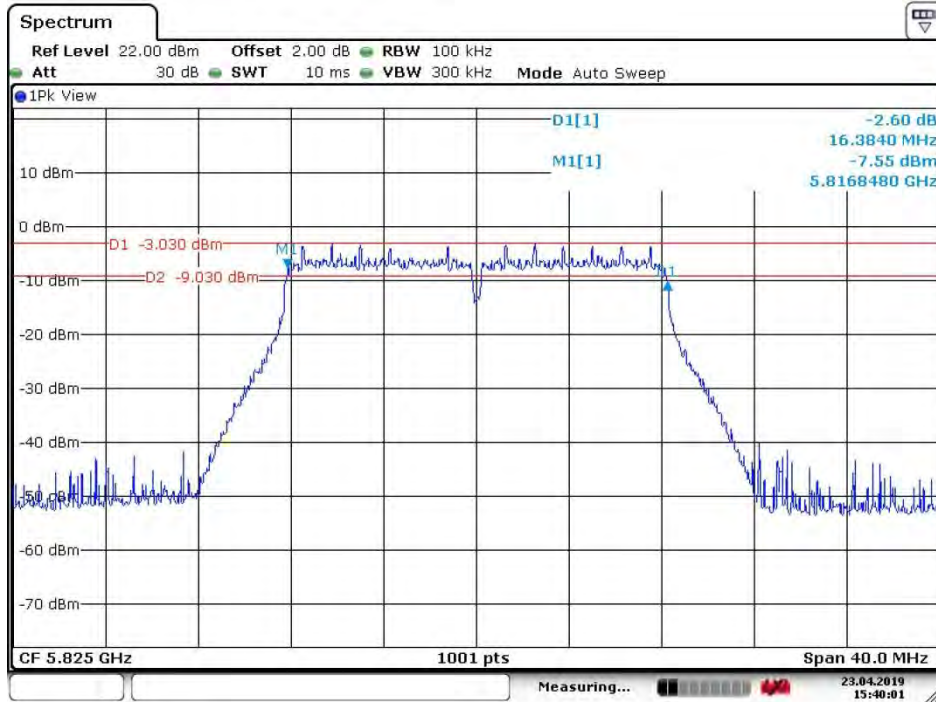


Date: 23.APR.2019 11:27:31

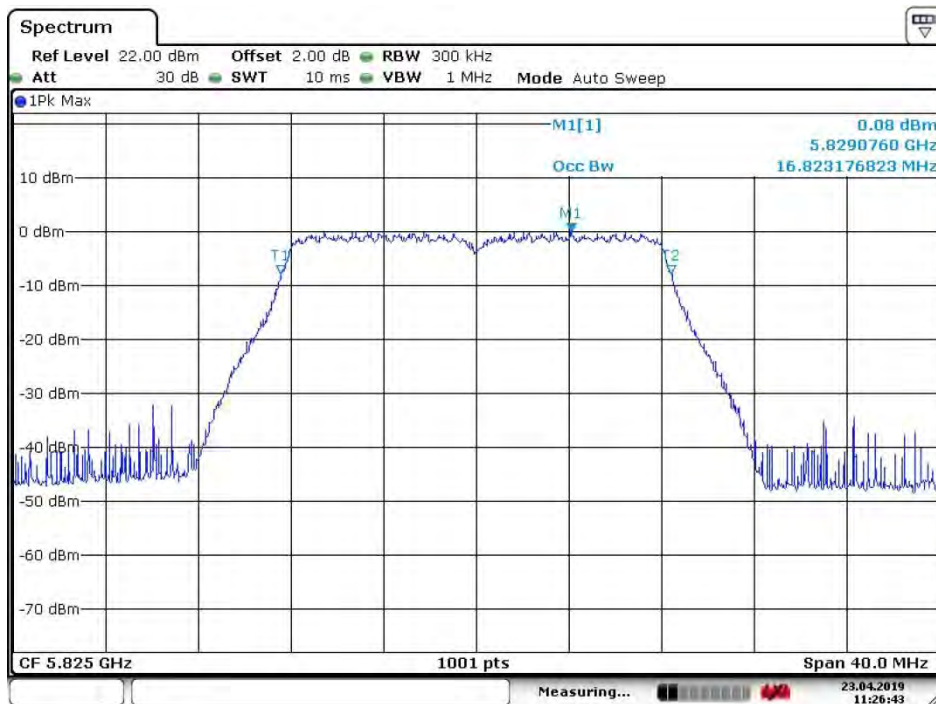


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4.6.1.31 11A20\_CDD\_165 ANT 1



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

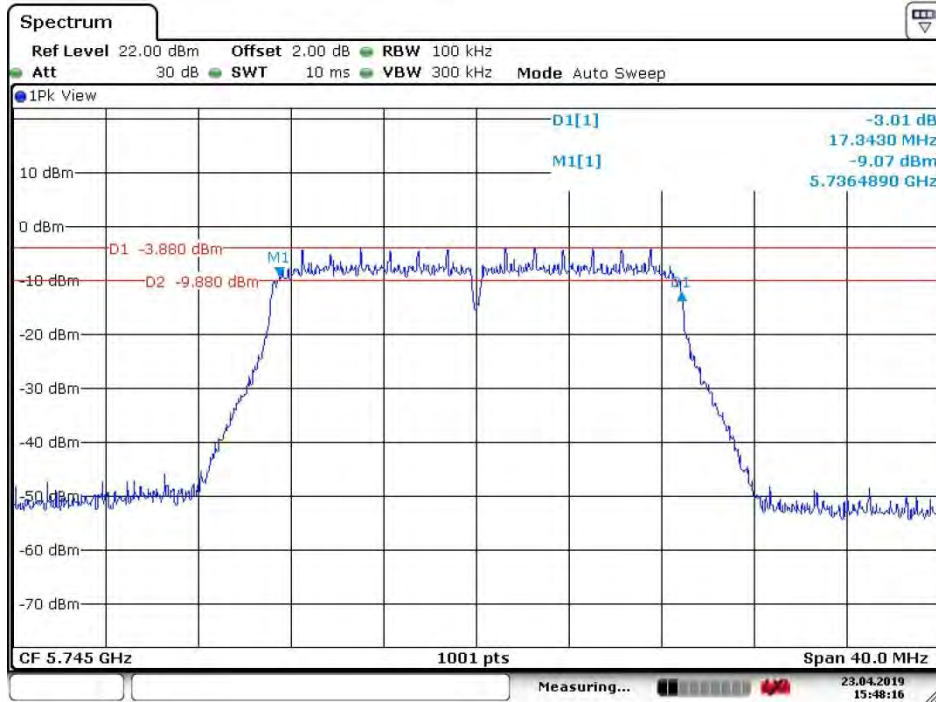


Date: 23. APR. 2019 11:26:43

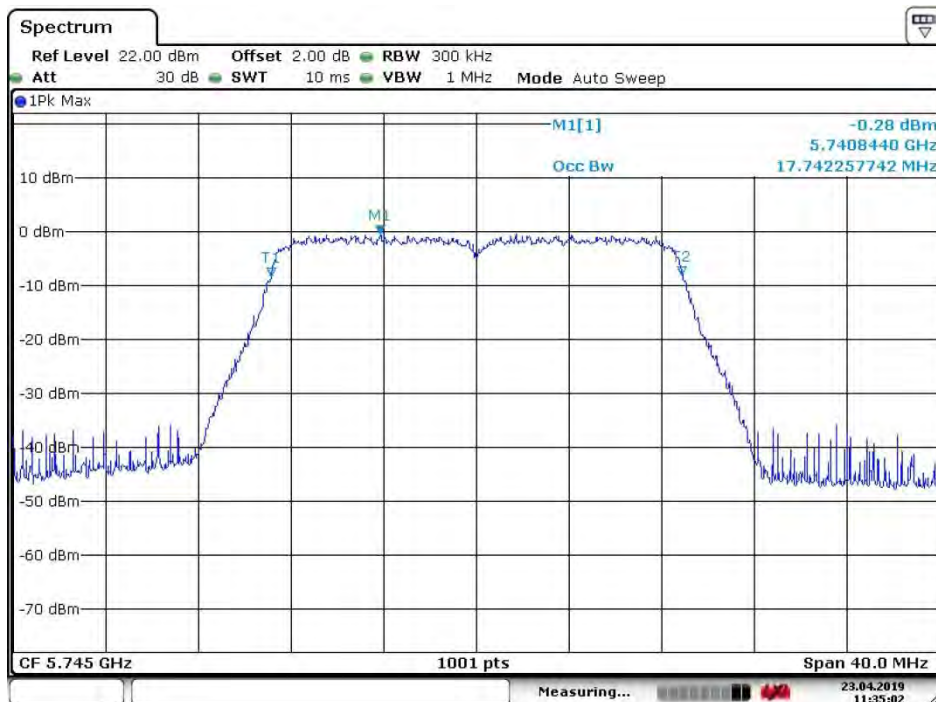


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**4.6.1.32 11N20\_MIMO\_149 ANT 1**



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

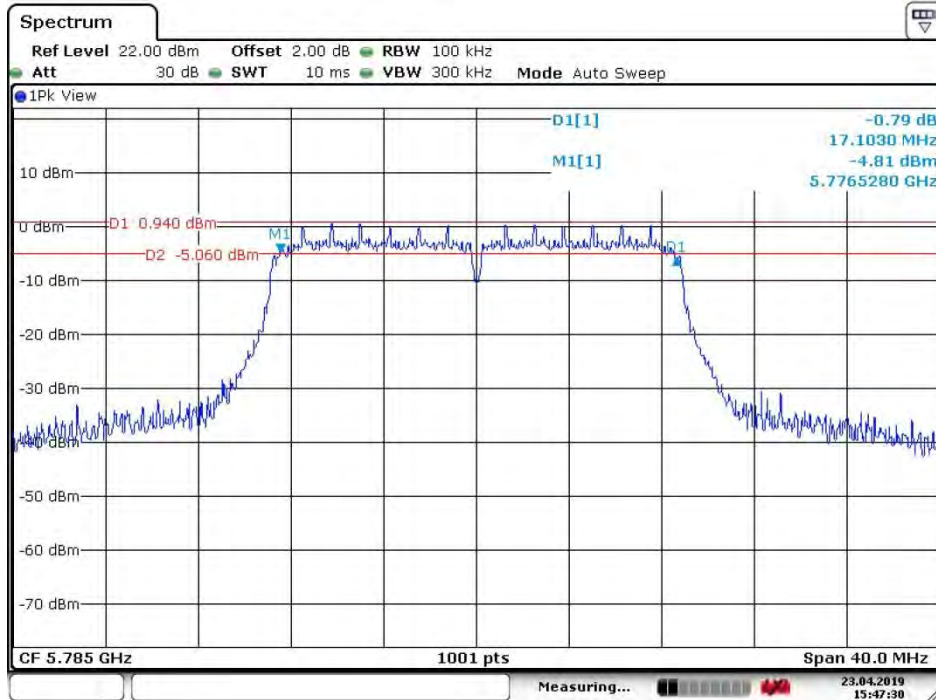


Date: 23. APR. 2019 11:35:02

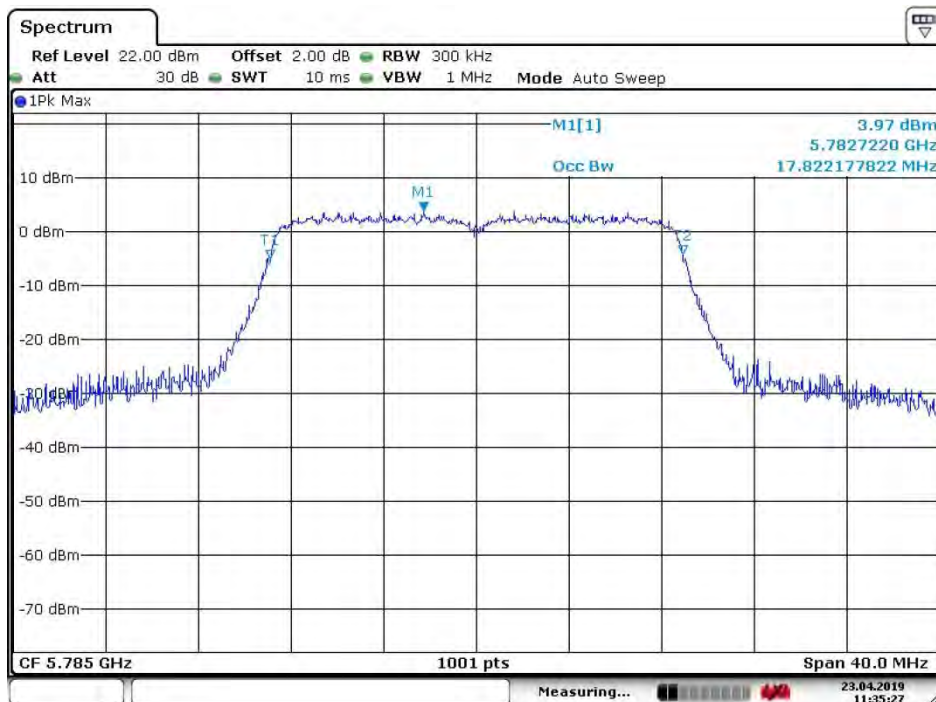


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4.6.1.33 11N20\_MIMO\_157 ANT 1



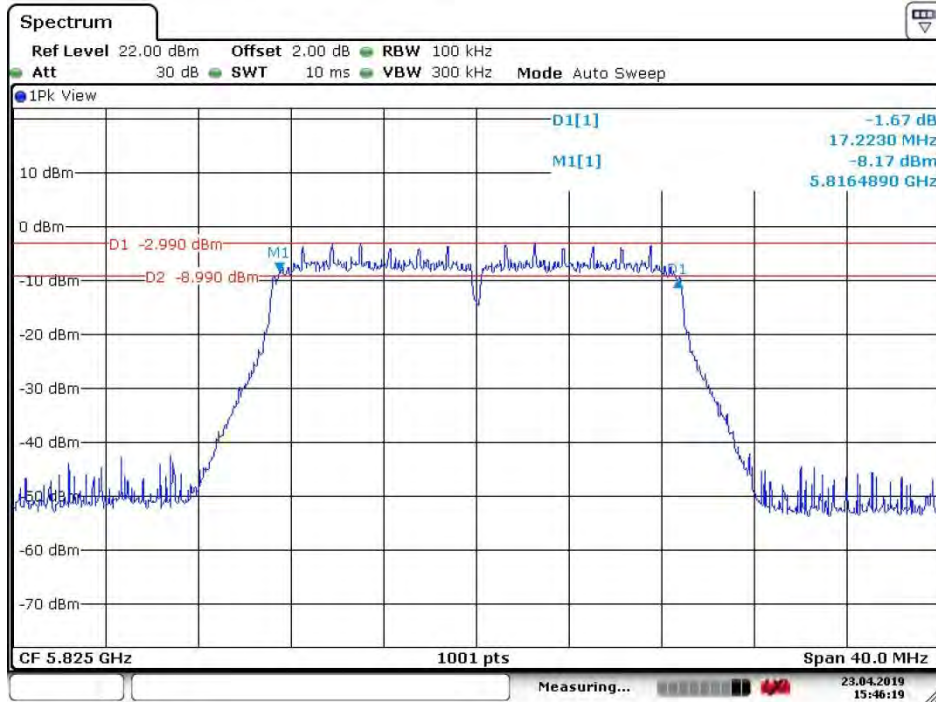
Date: 23 APR. 2019 15:47:30



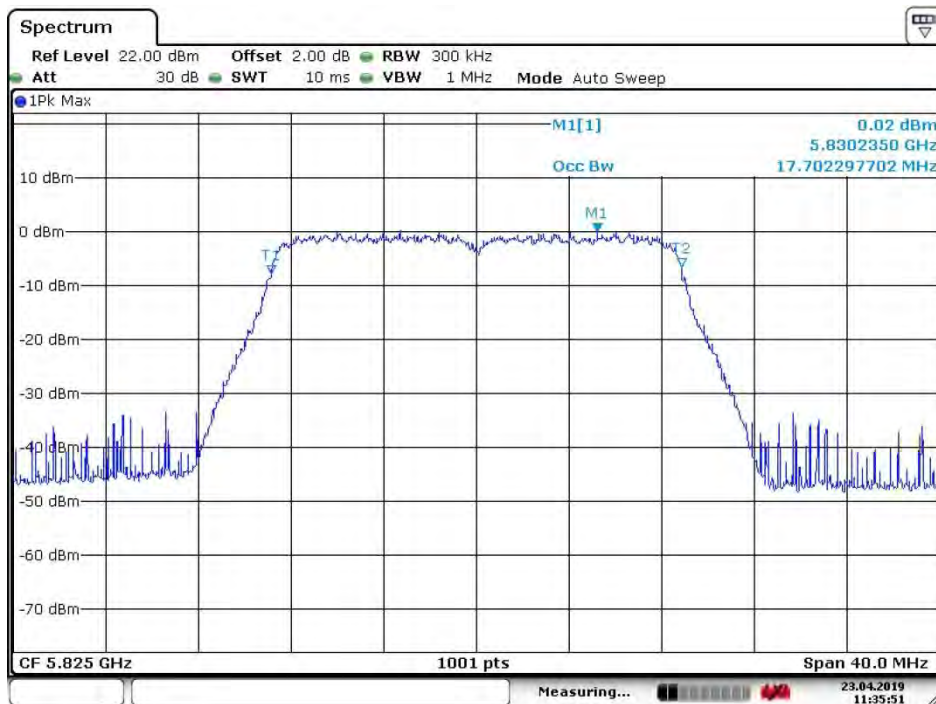
Date: 23 APR. 2019 11:35:27



4.6.1.34 11N20\_MIMO\_165 ANT 1



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

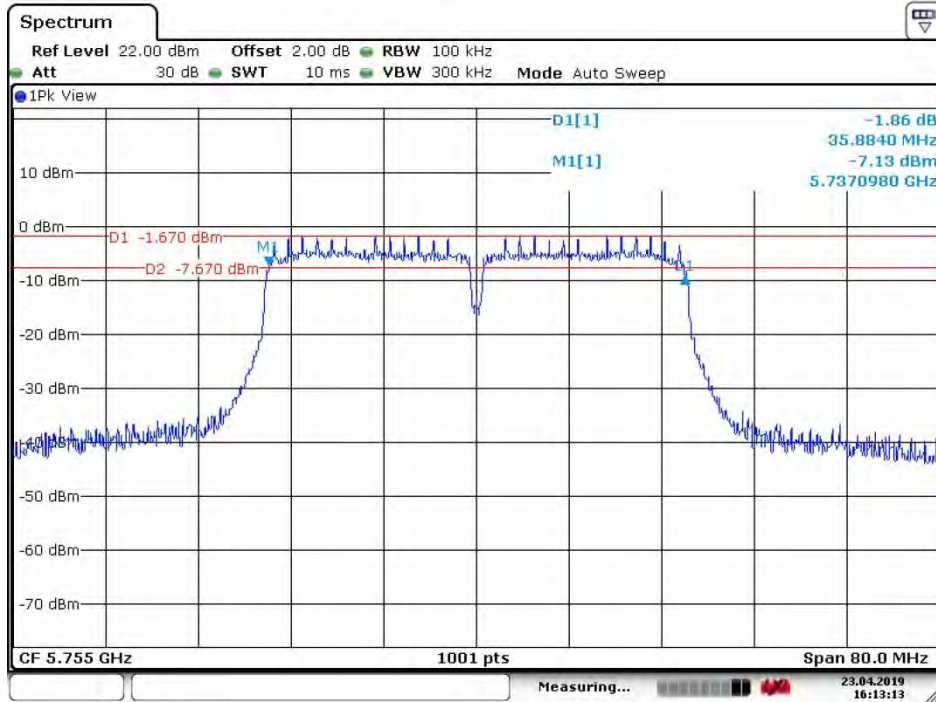


Date: 23. APR. 2019 11:35:51

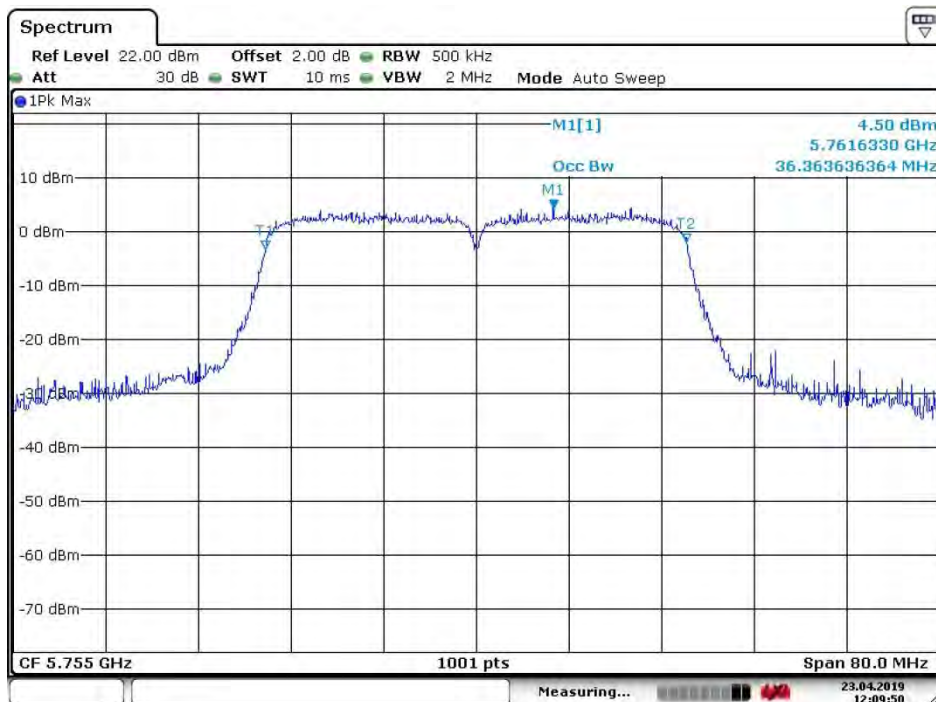


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**4.6.1.35 11N40\_MIMO\_151 ANT 1**



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



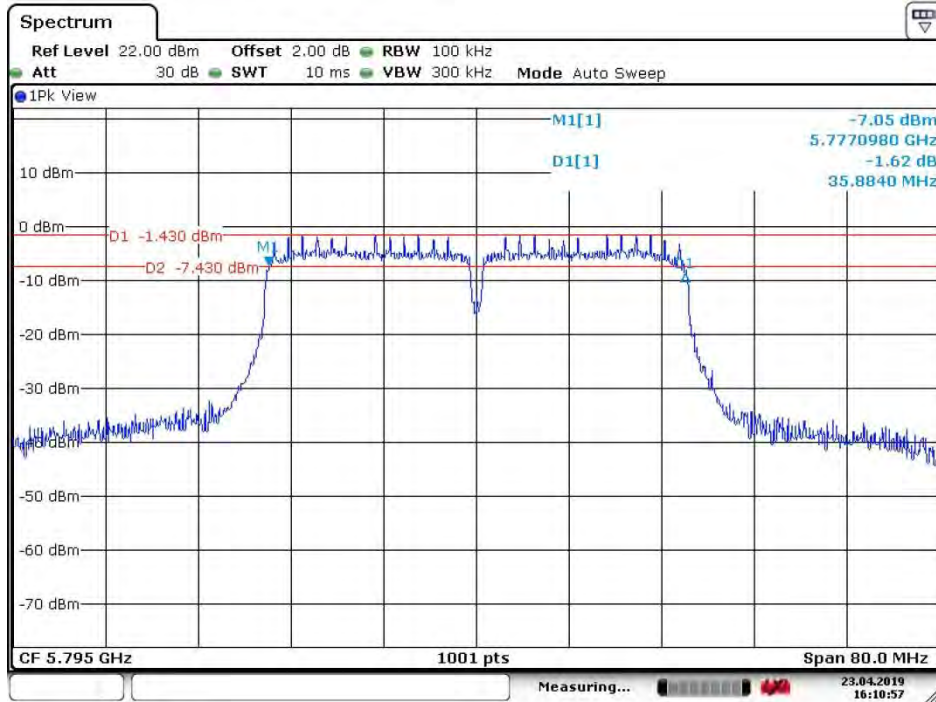
Date: 23. APR. 2019 12:09:50



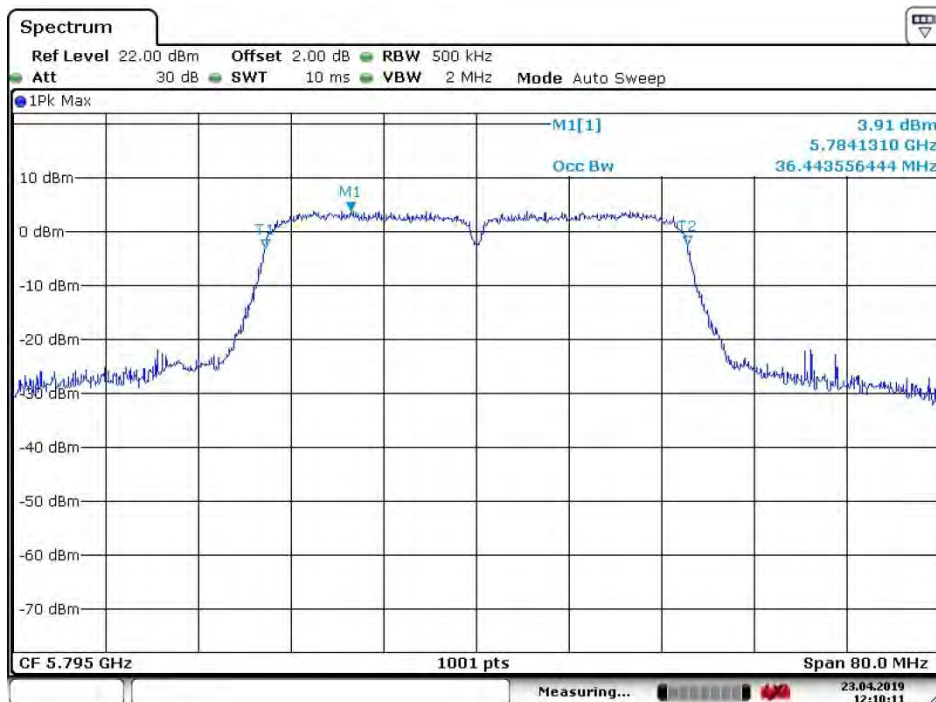
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**4.6.1.36 11N40\_MIMO\_159 ANT 1**



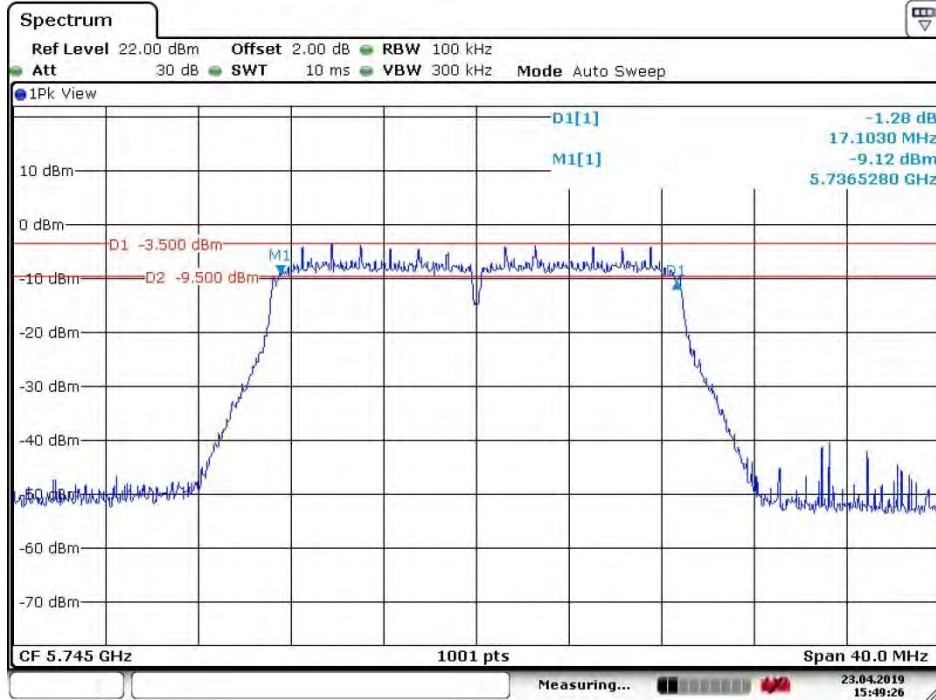
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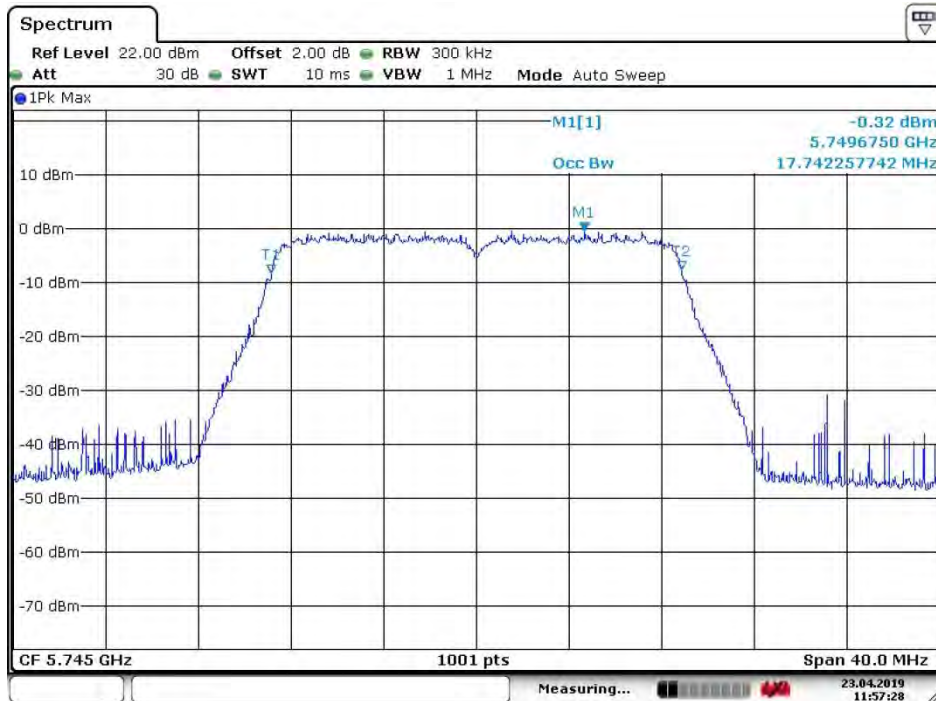
Date: 23. APR. 2019 12:10:11



4.6.1.37 11AC20\_MIMO\_149 ANT 1



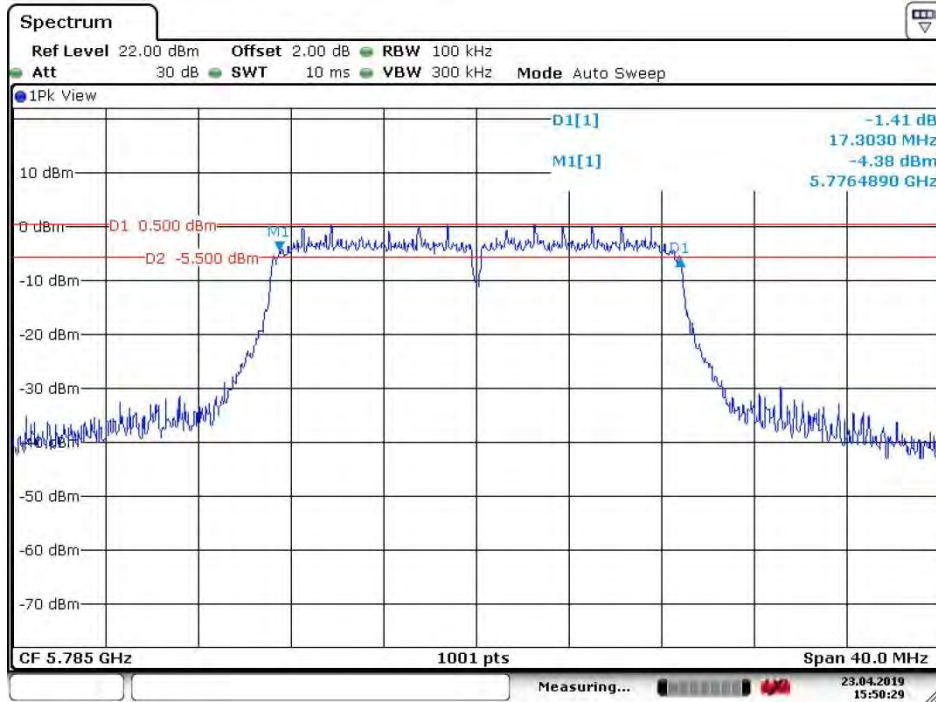
Date: 23 APR. 2019 15:49:26



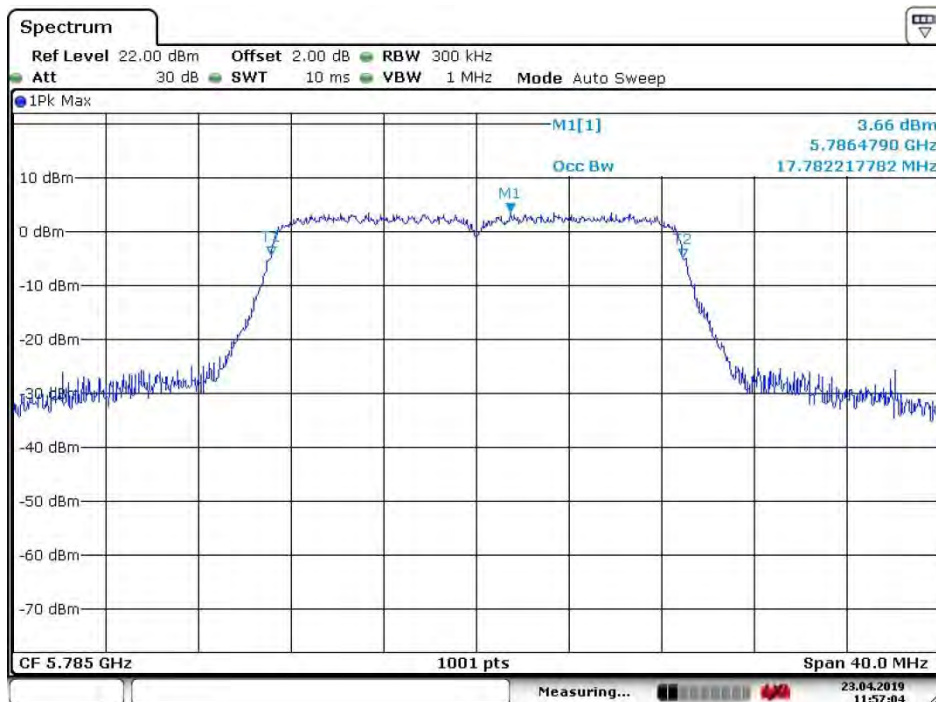
Date: 23 APR. 2019 11:57:28



4.6.1.38 11AC20\_MIMO\_157 ANT 1



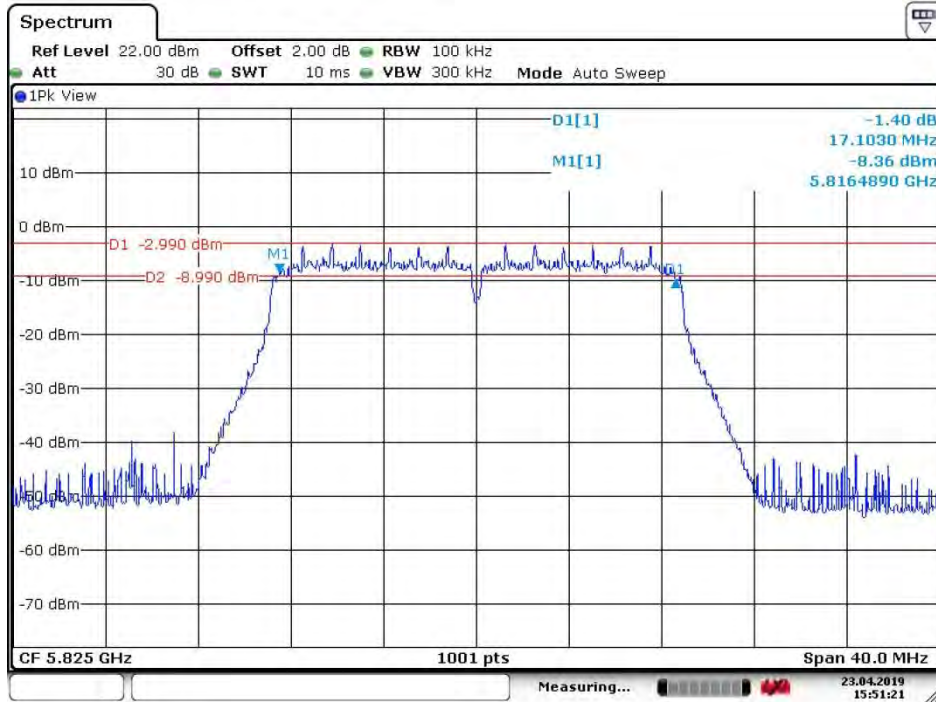
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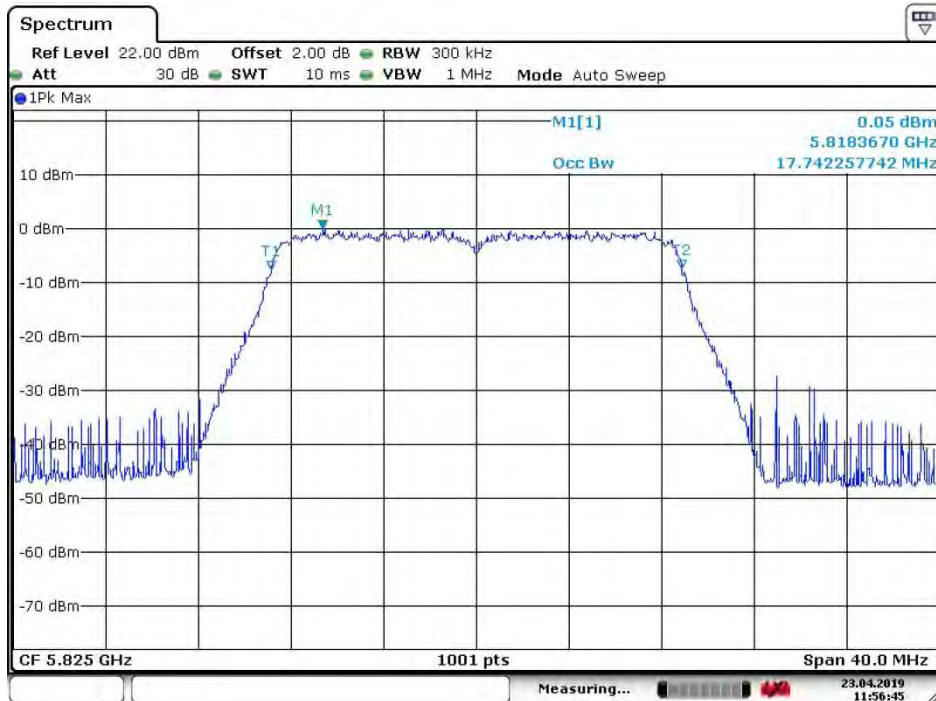
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4.6.1.39 11AC20\_MIMO\_165 ANT 1



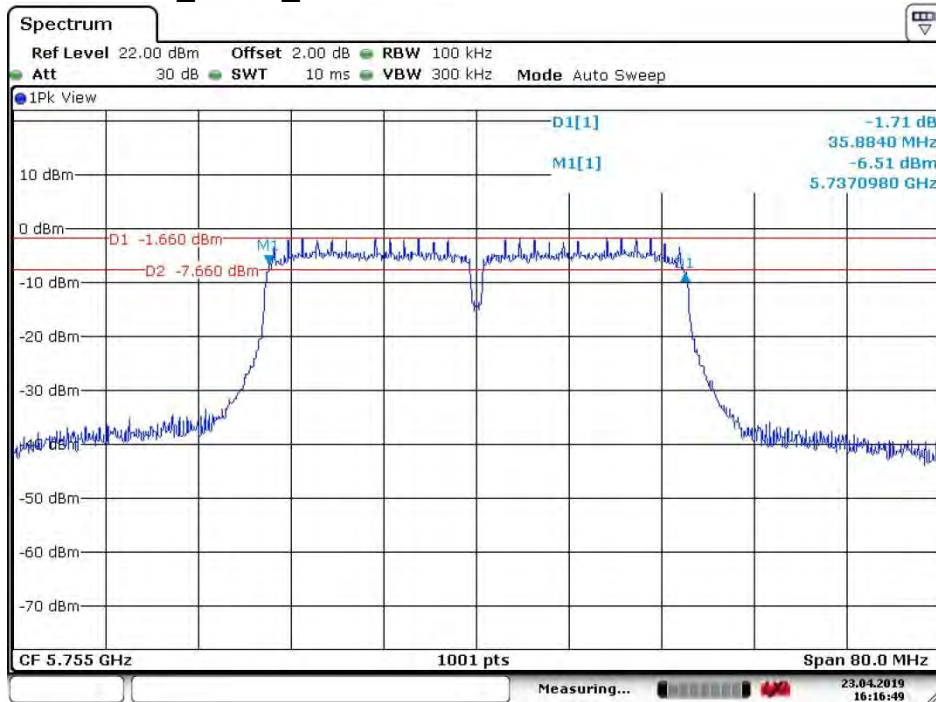
Date: 23. APR. 2019 15:51:21



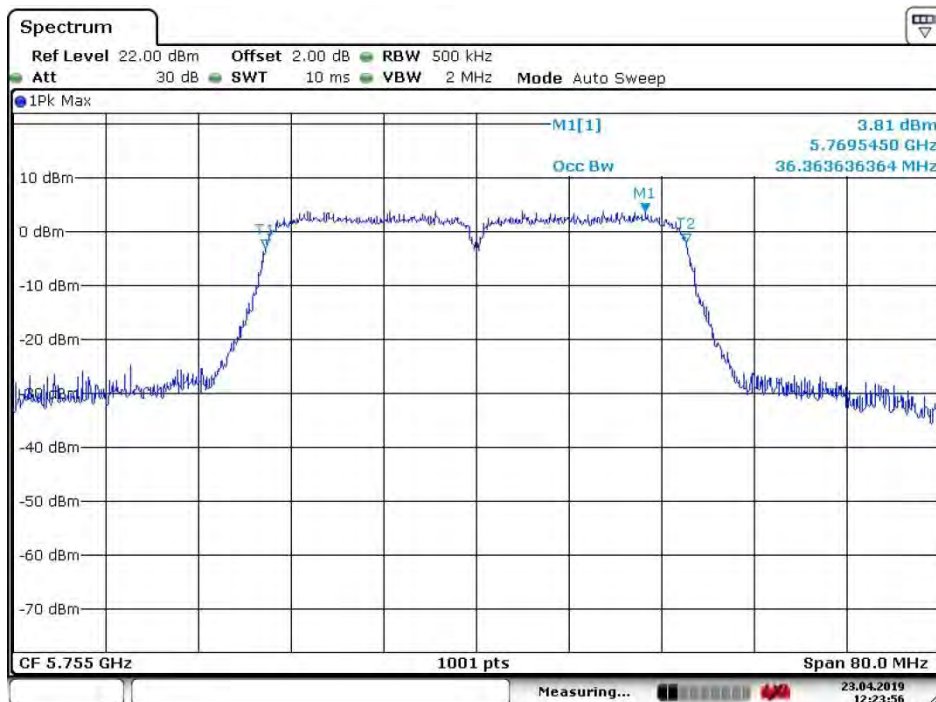
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**4.6.1.40 11AC40\_MIMO\_151 ANT 1**



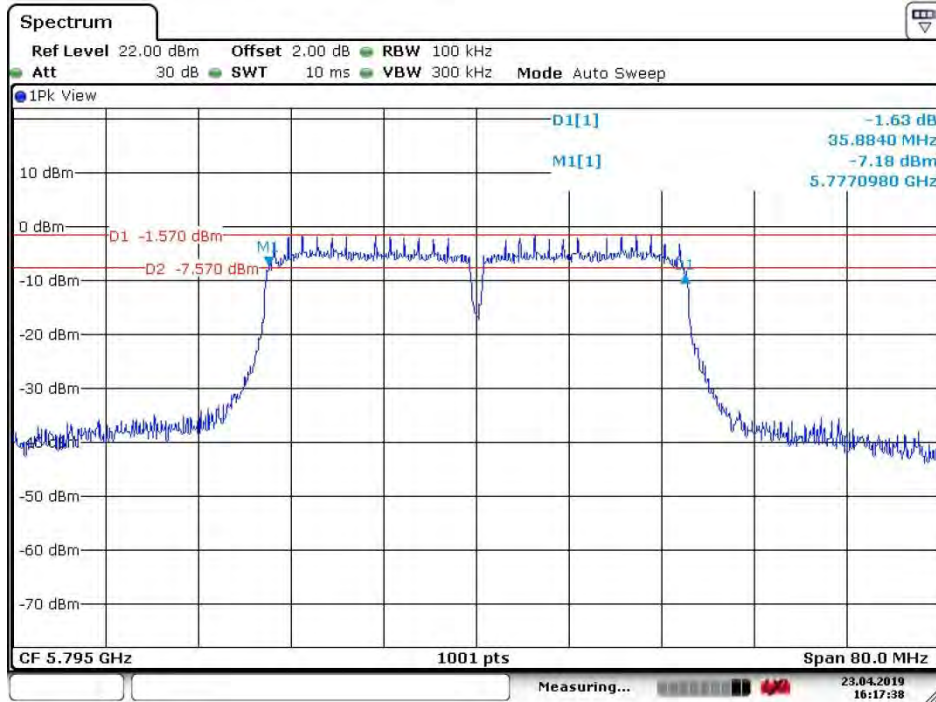
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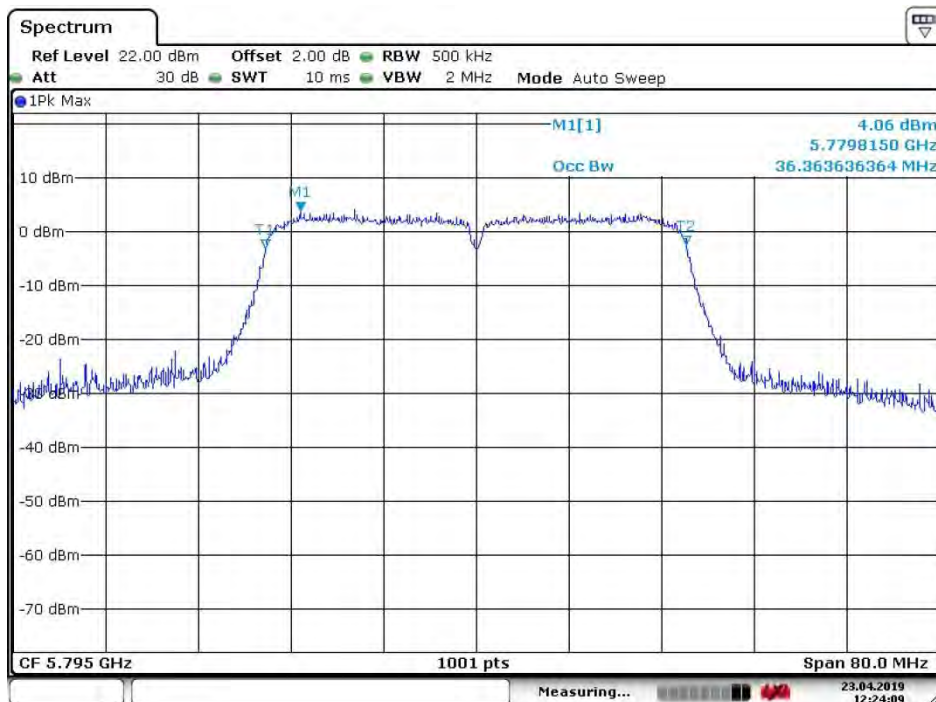
Date: 23. APR. 2019 12:23:57



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

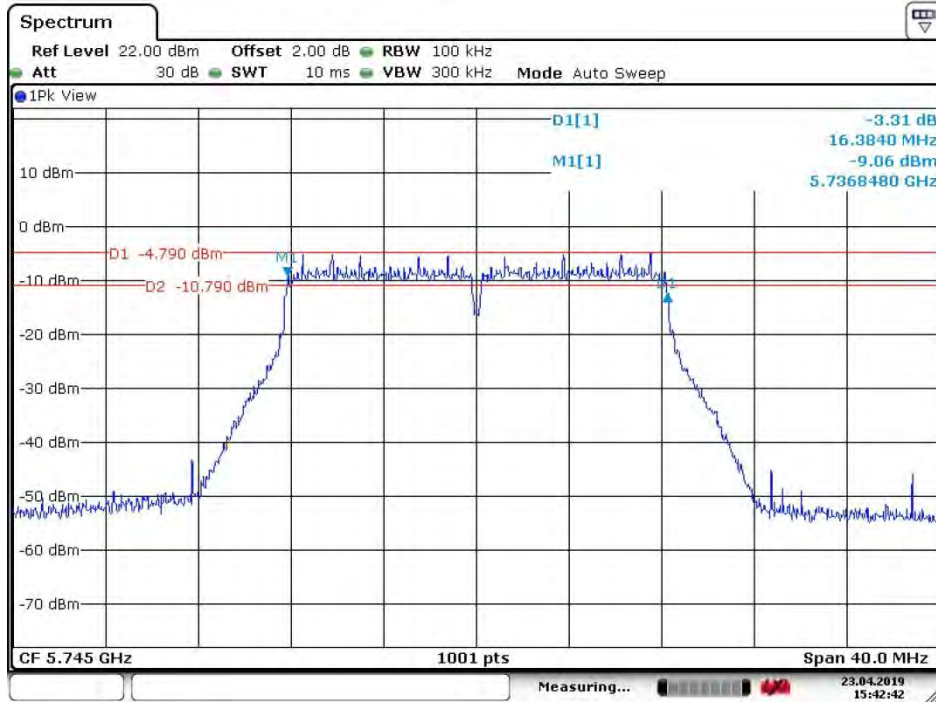


Date: 23.APR.2019 12:27:13

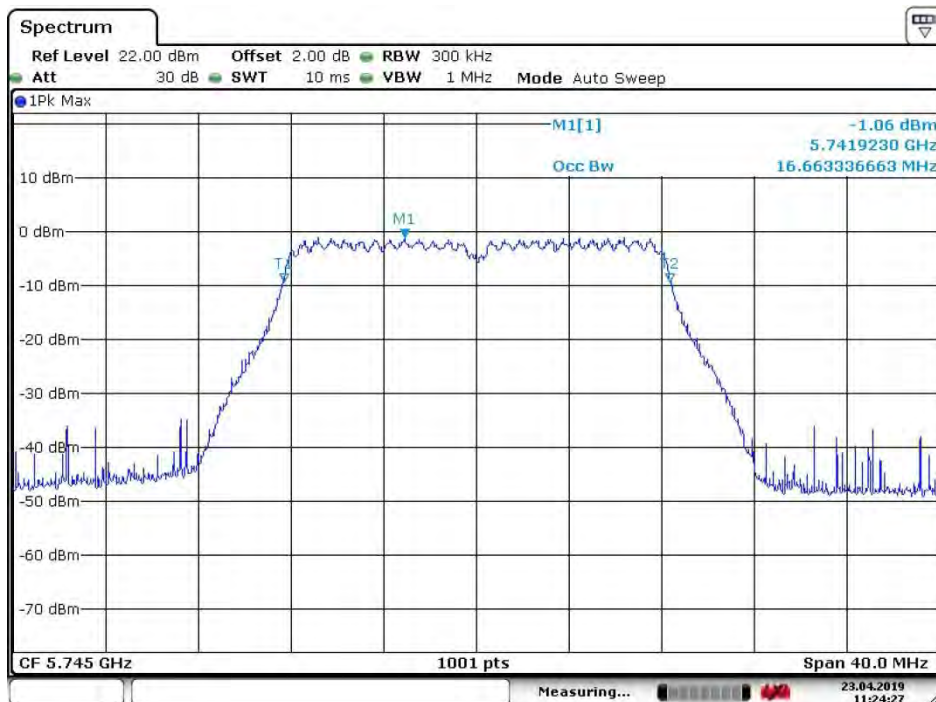


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4.6.1.43 11A20\_CDD\_149 ANT 2



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

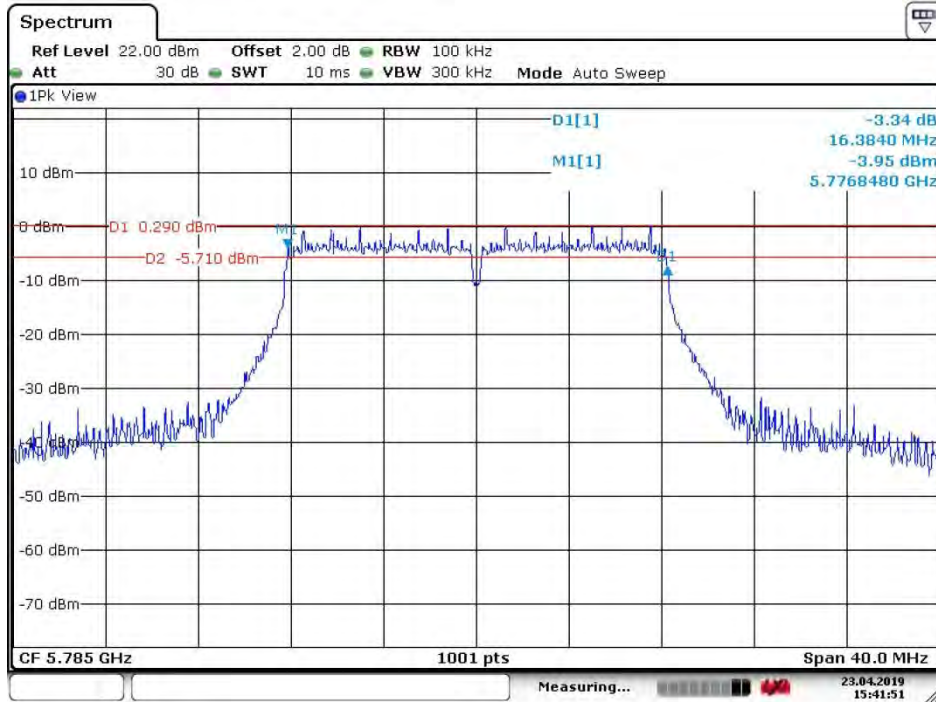


Date: 23. APR. 2019 11:24:27

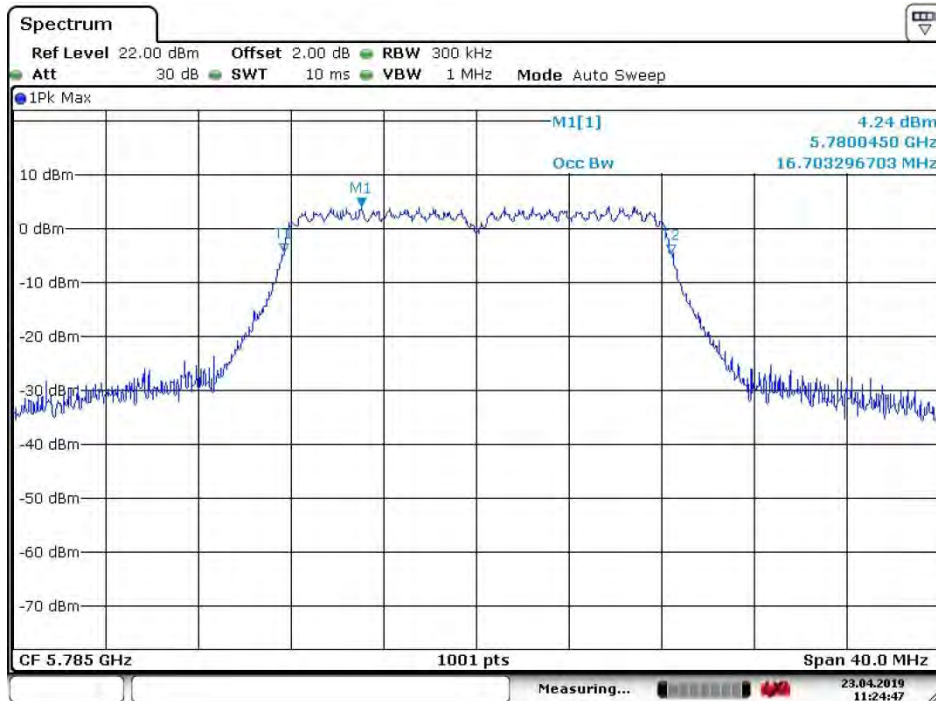




4.6.1.44 11A20\_CDD\_157 ANT 2



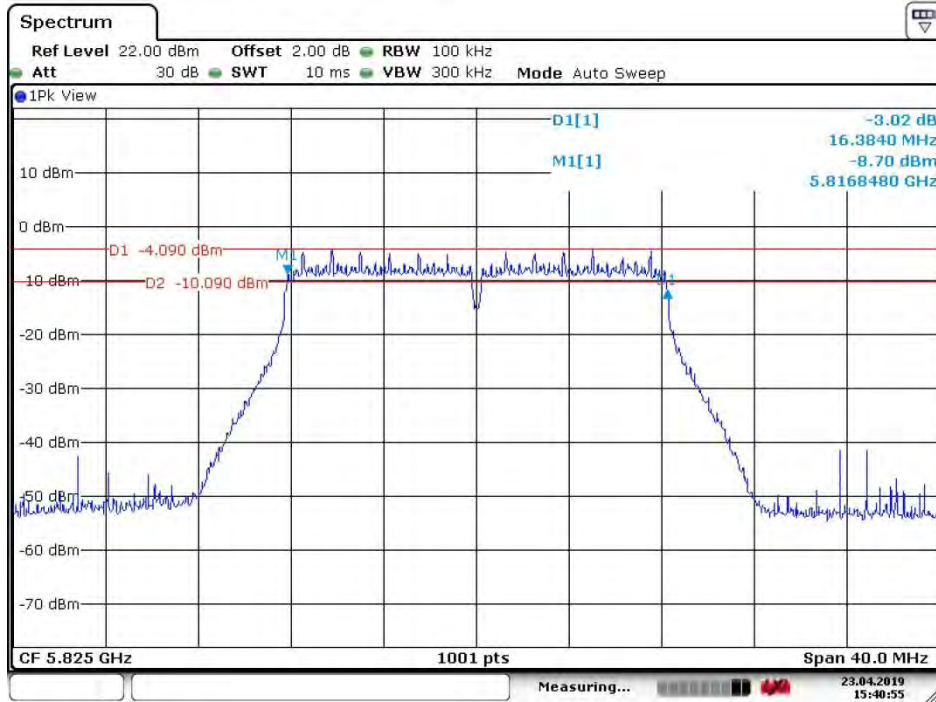
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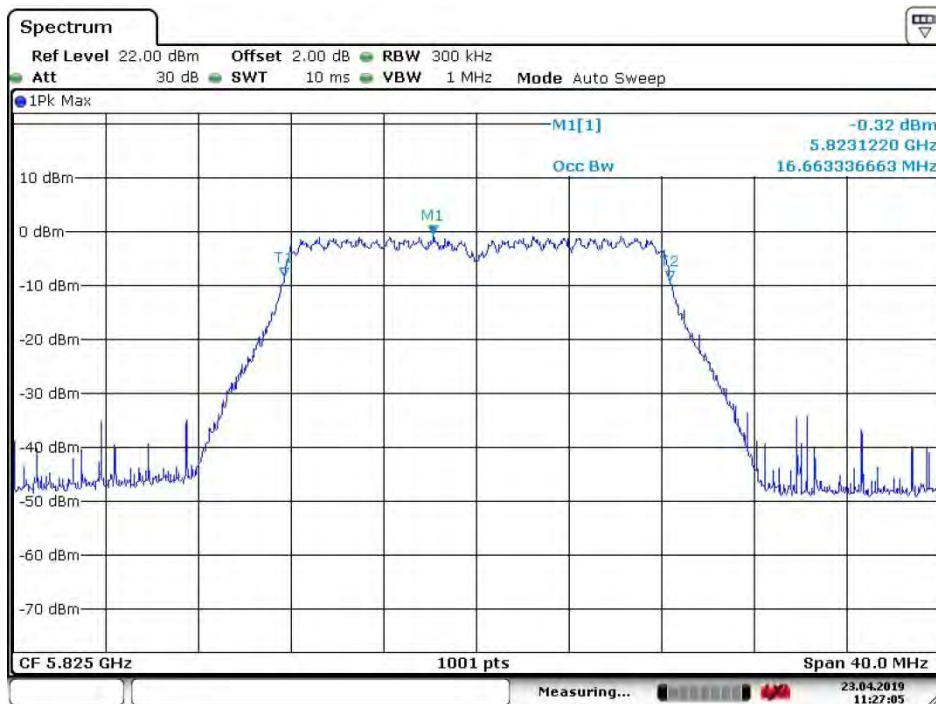
Date: 23 APR. 2019 11:24:47



4.6.1.45 11A20\_CDD\_165 ANT 2



Date: 23. APR. 2019 15:40:55



Date: 23. APR. 2019 11:27:06



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