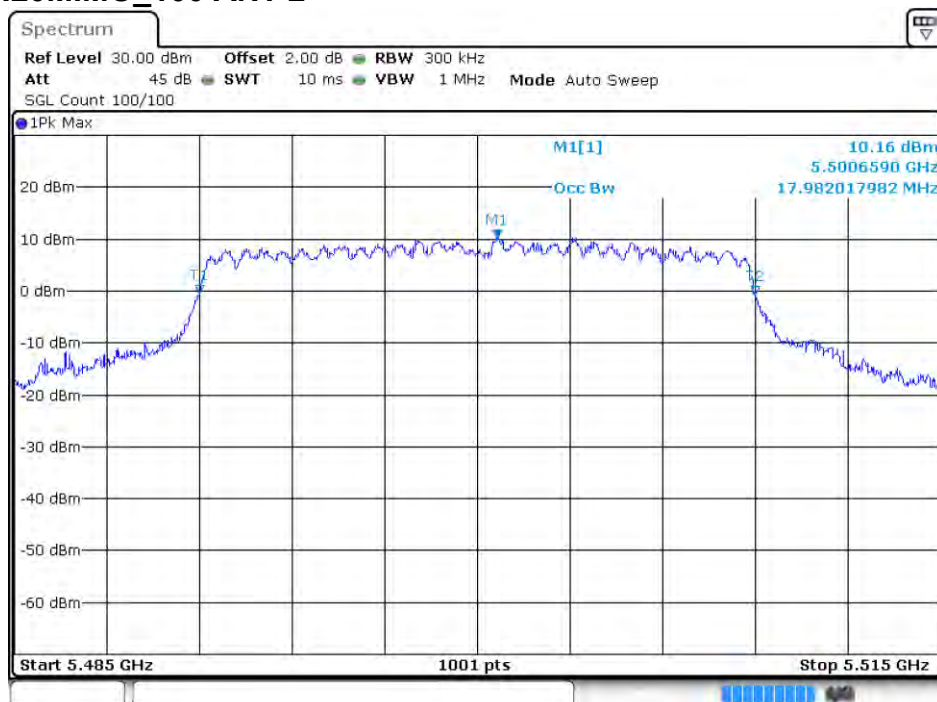
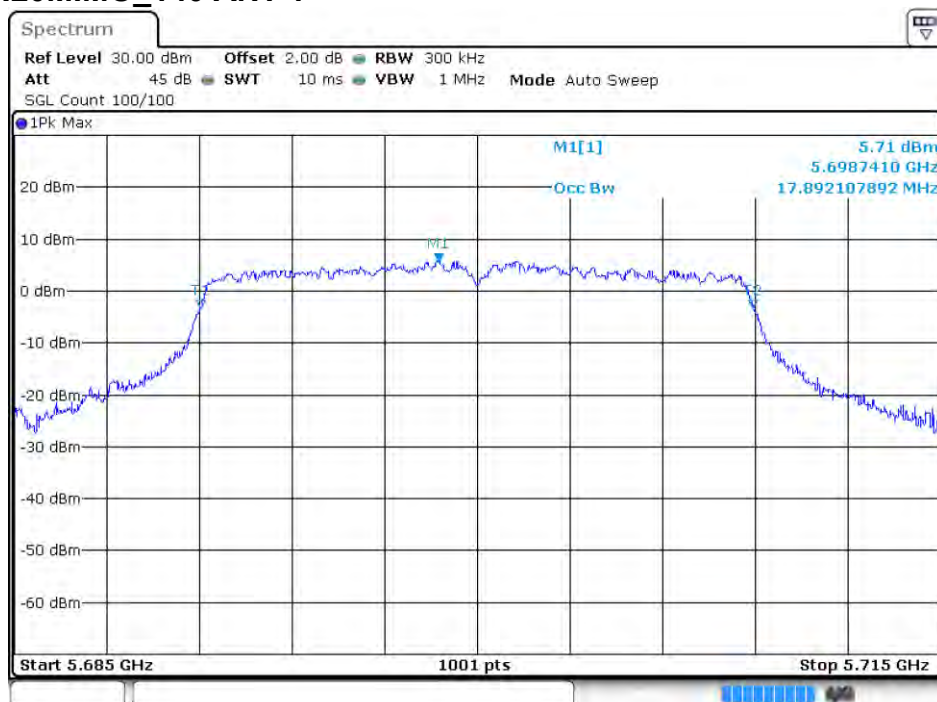


4.7.2.58 11N20MIMO_100 ANT 2



Date: 1 JAN 2020 08:42:20

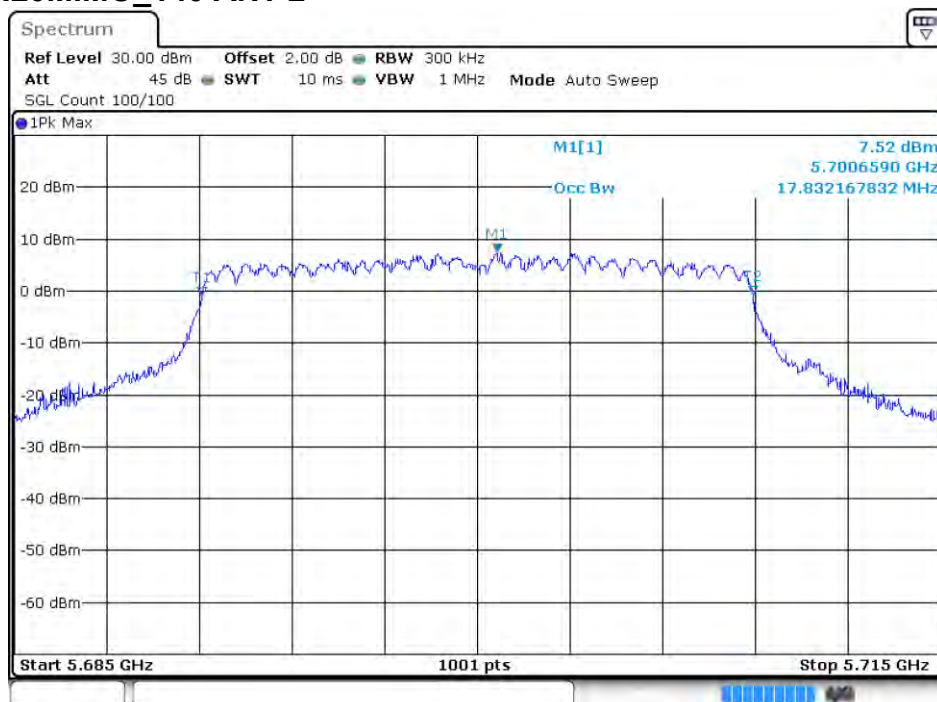
4.7.2.59 11N20MIMO_140 ANT 1



Date: 1 JAN 2020 07:31:48

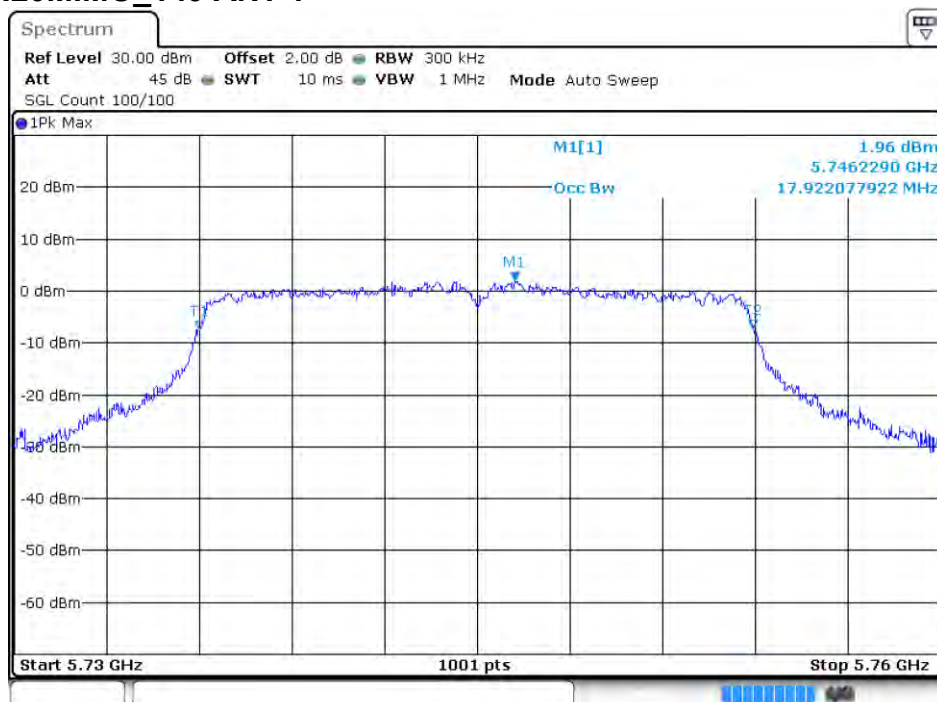


4.7.2.60 11N20MIMO_140 ANT 2



Date: 1 JAN 2020 08:43:20

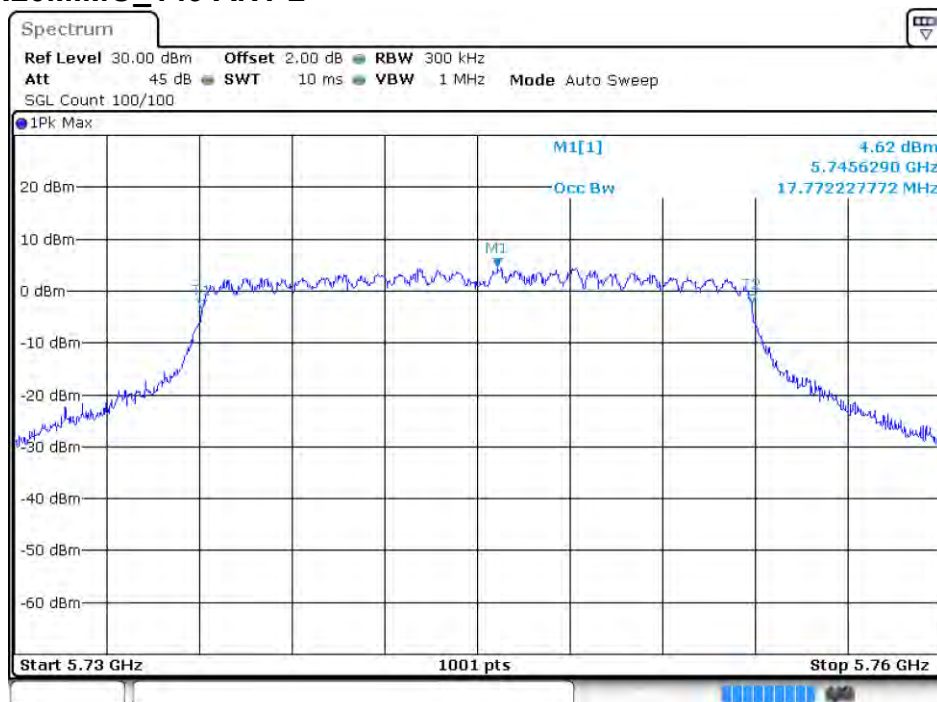
4.7.2.61 11N20MIMO_149 ANT 1



Date: 1 JAN 2020 07:35:06

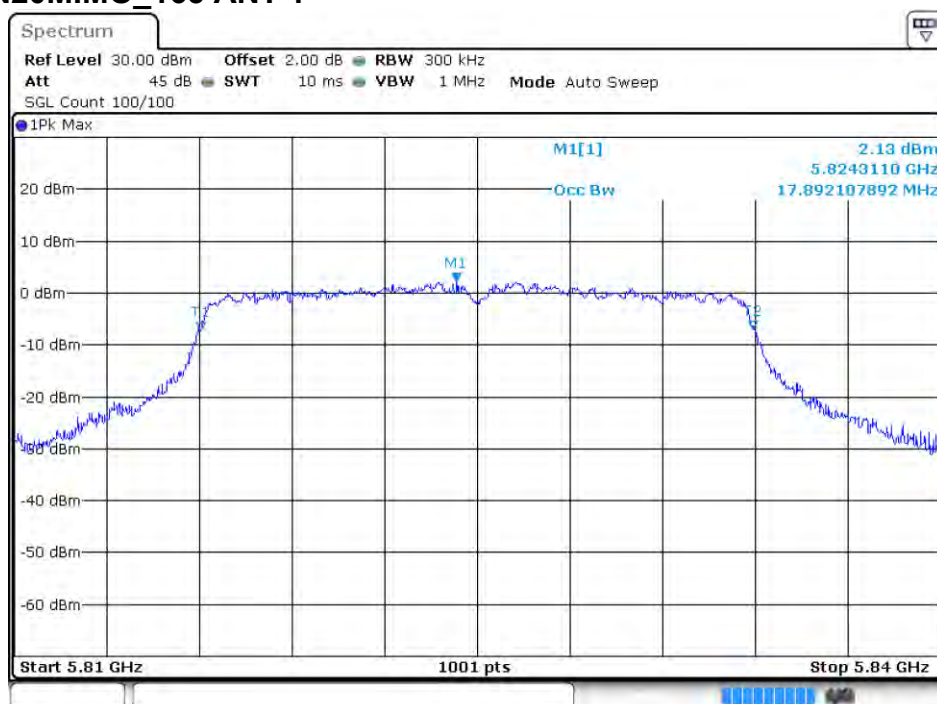


4.7.2.62 11N20MIMO_149 ANT 2



Date: 1 JAN 2020 08:44:45

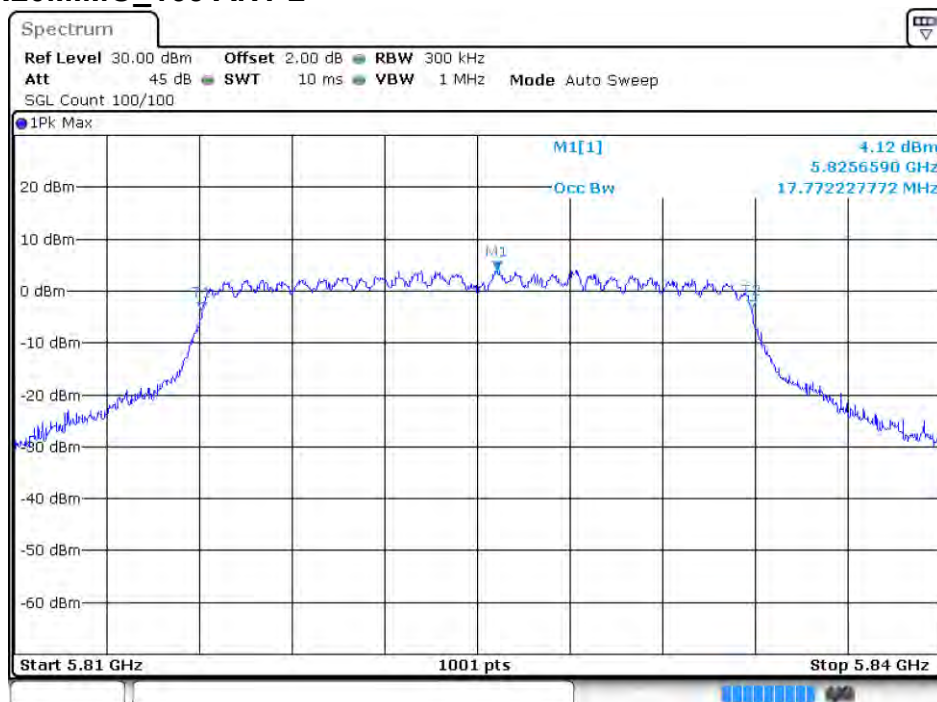
4.7.2.63 11N20MIMO_165 ANT 1



Date: 1 JAN 2020 07:37:59

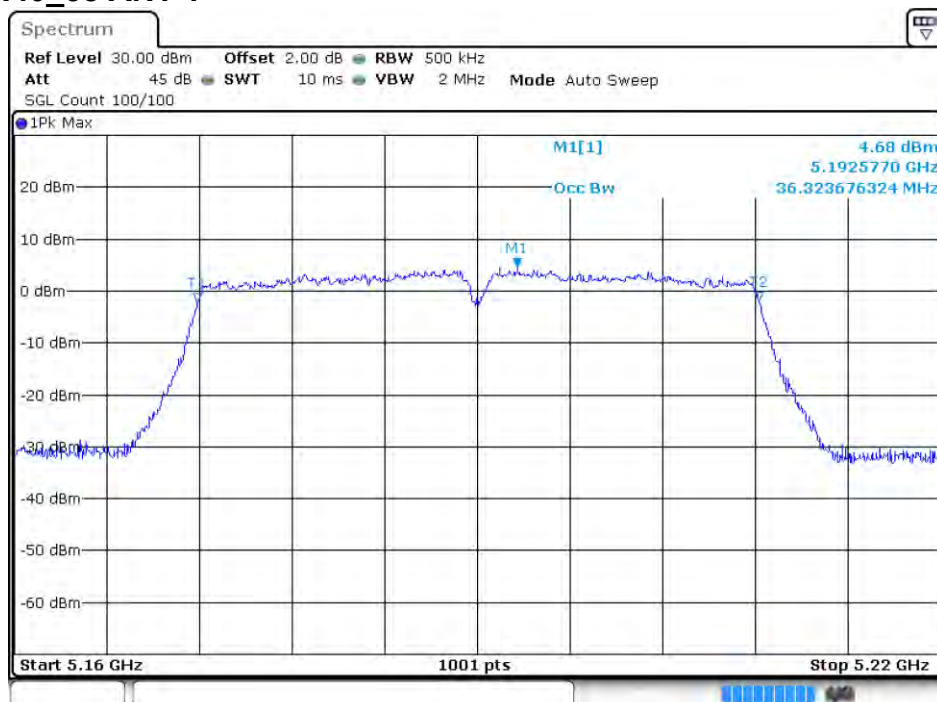


4.7.2.64 11N20MIMO_165 ANT 2



Date: 1 JAN 2020 08:45:36

4.7.2.65 11N40_38 ANT 1



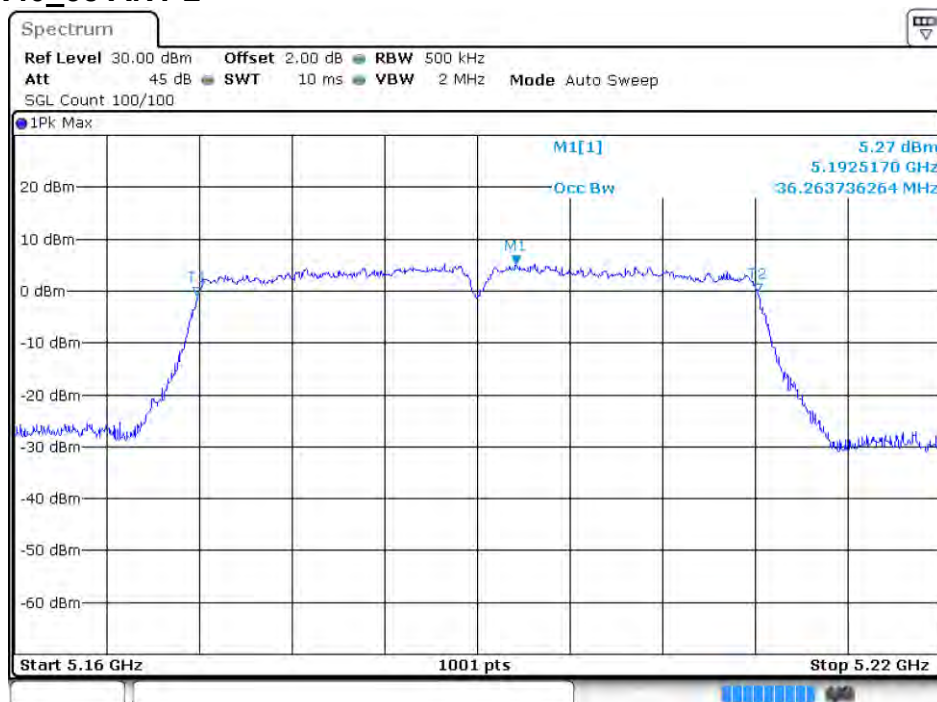
Date: 1 JAN 2020 04:59:44



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

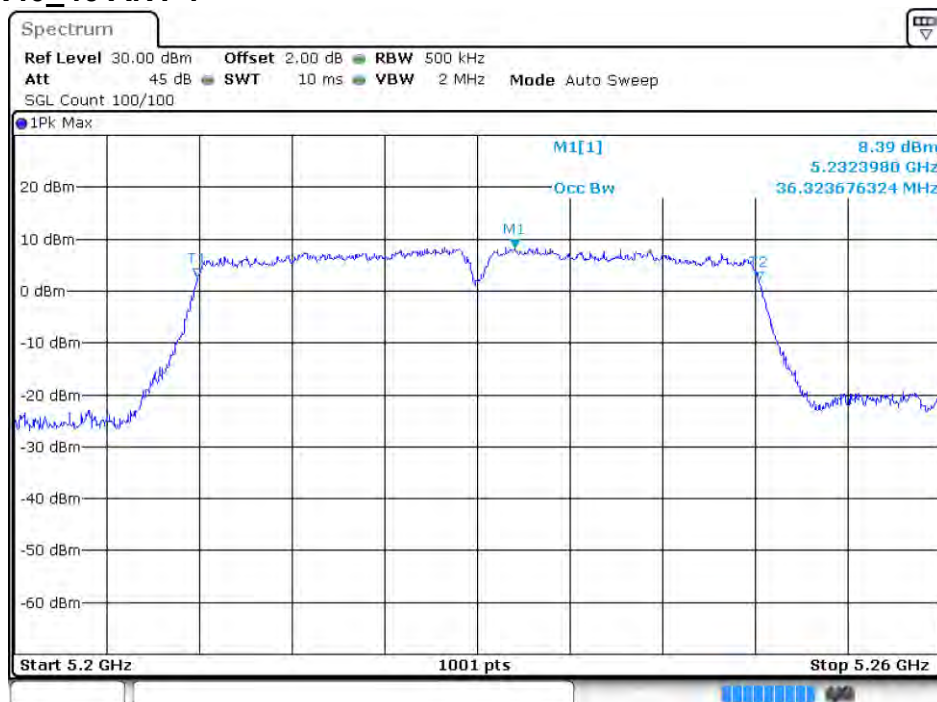
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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

4.7.2.66 11N40_38 ANT 2



Date: 1 JAN 2020 06:00:05

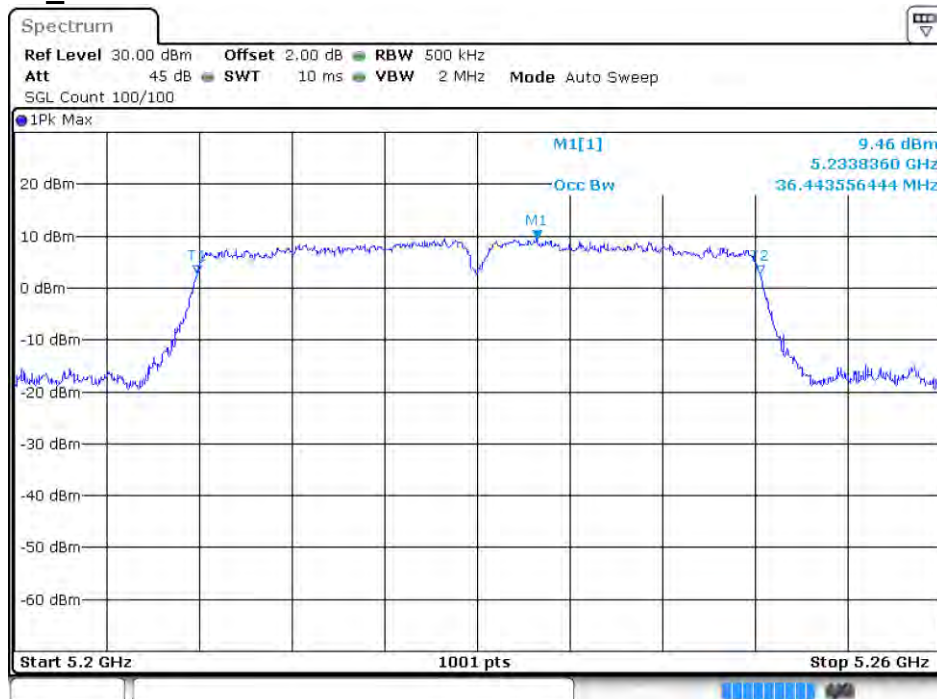
4.7.2.67 11N40_46 ANT 1



Date: 1 JAN 2020 05:01:00

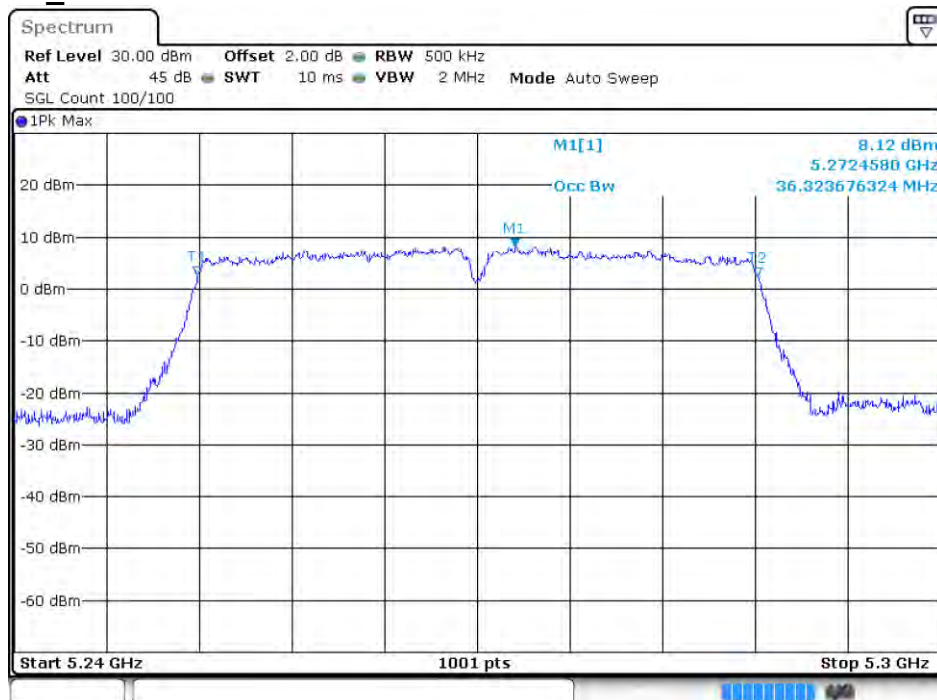


4.7.2.68 11N40_46 ANT 2



Date: 1 JAN 2020 06:01:36

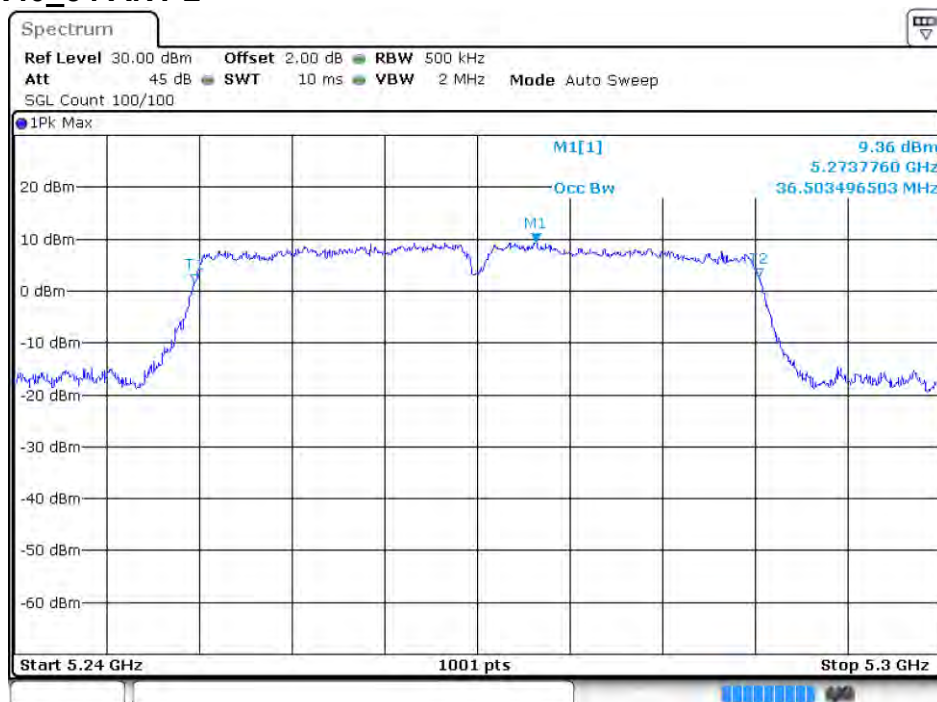
4.7.2.69 11N40_54 ANT 1



Date: 1 JAN 2020 05:02:32



4.7.2.70 11N40_54 ANT 2



Date: 1 JAN 2020 06:02:52

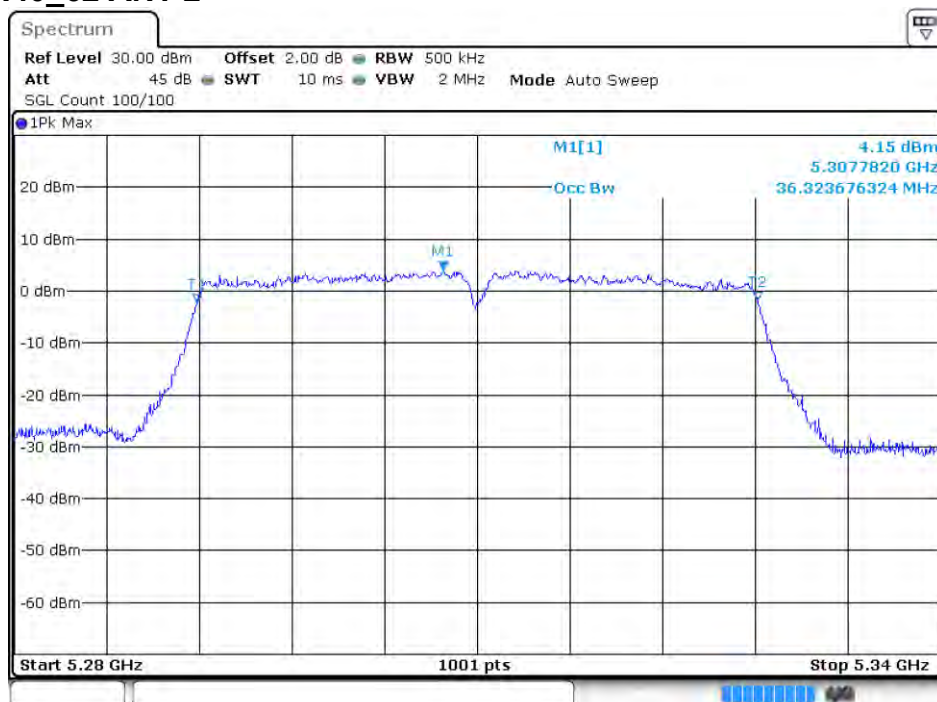
4.7.2.71 11N40_62 ANT 1



Date: 1 JAN 2020 05:03:39

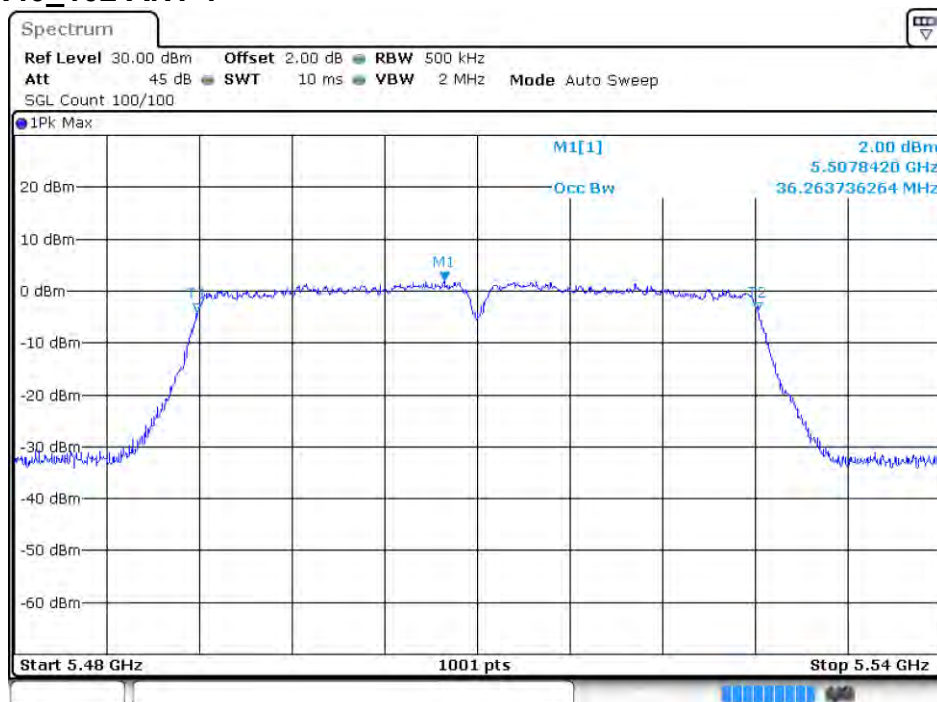


4.7.2.72 11N40_62 ANT 2



Date: 1 JAN 2020 06:04:22

4.7.2.73 11N40_102 ANT 1



Date: 1 JAN 2020 05:07:43

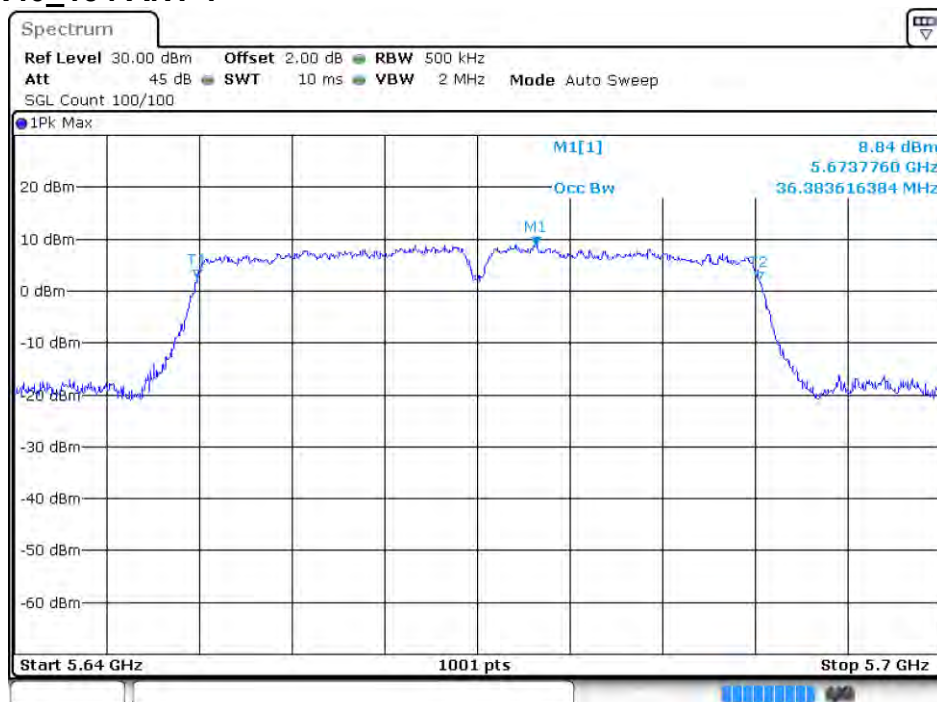


4.7.2.74 11N40_102 ANT 2



Date: 1 JAN 2020 06:07:16

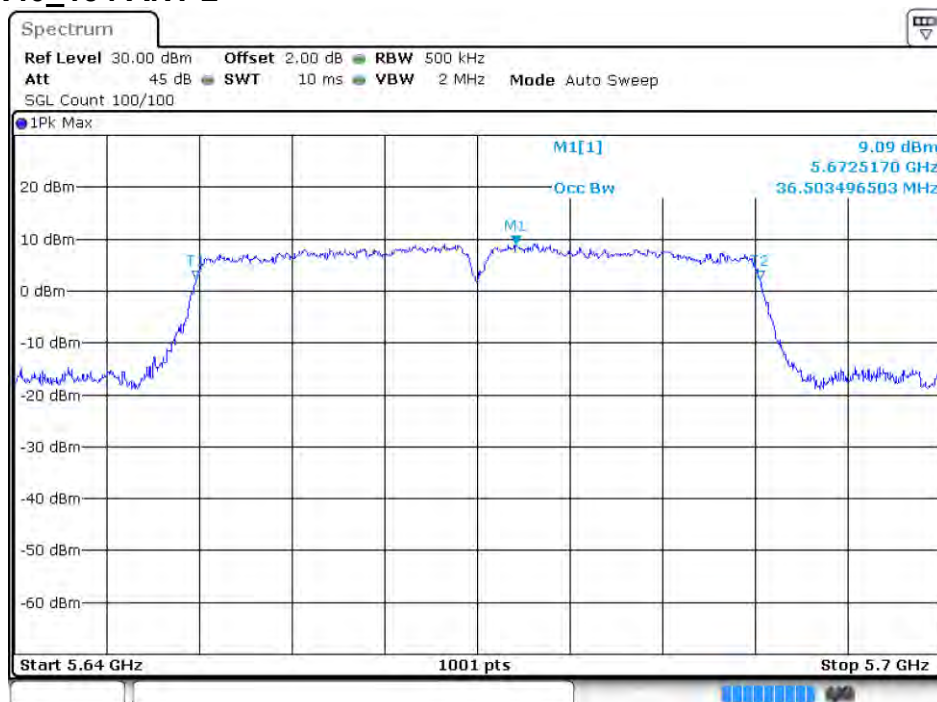
4.7.2.75 11N40_134 ANT 1



Date: 1 JAN 2020 05:09:43

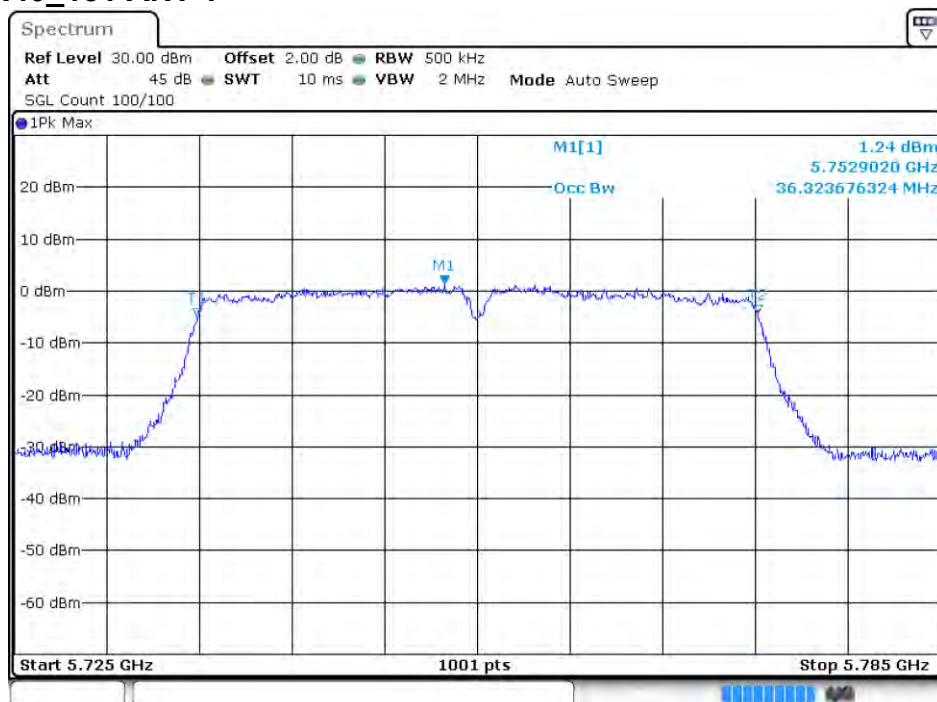


4.7.2.76 11N40_134 ANT 2



Date: 1 JAN 2020 06:08:49

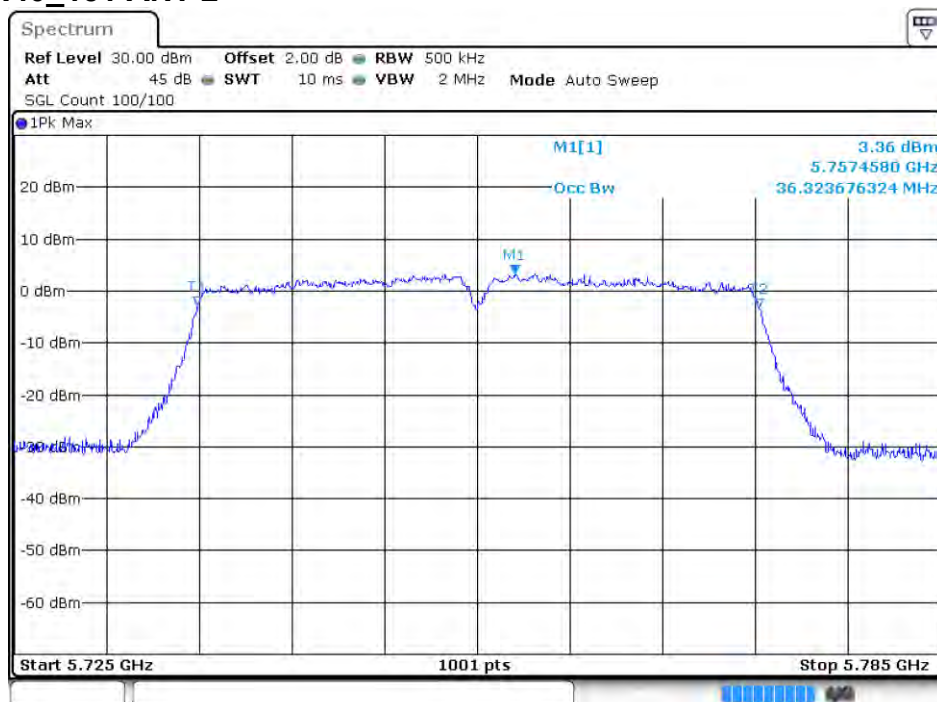
4.7.2.77 11N40_151 ANT 1



Date: 1 JAN 2020 05:10:55



4.7.2.78 11N40_151 ANT 2



Date: 1 JAN 2020 06:10:33

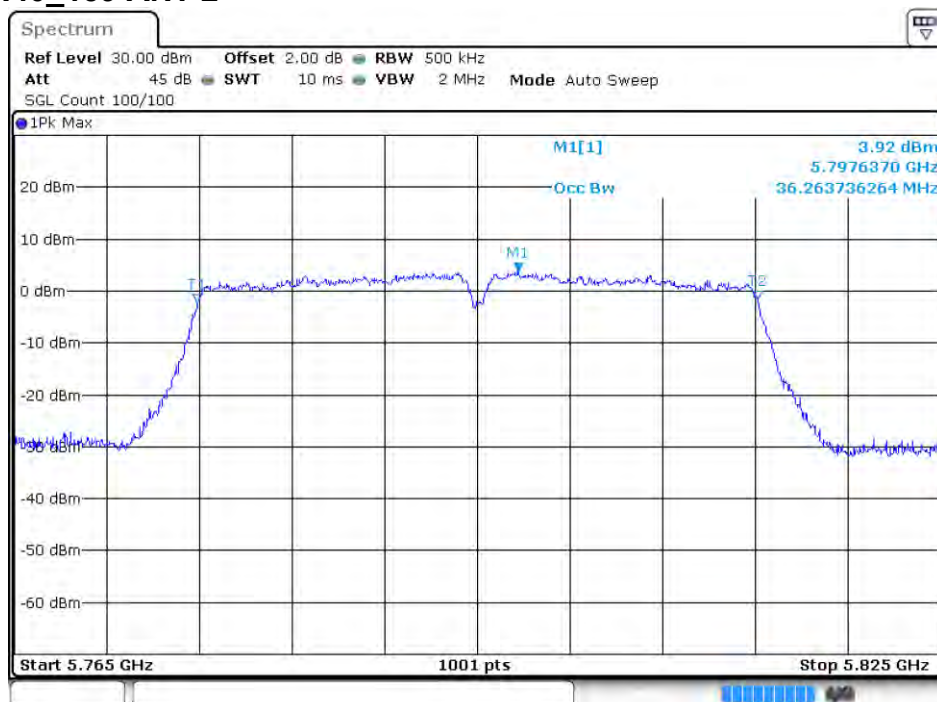
4.7.2.79 11N40_159 ANT 1



Date: 1 JAN 2020 06:47:55

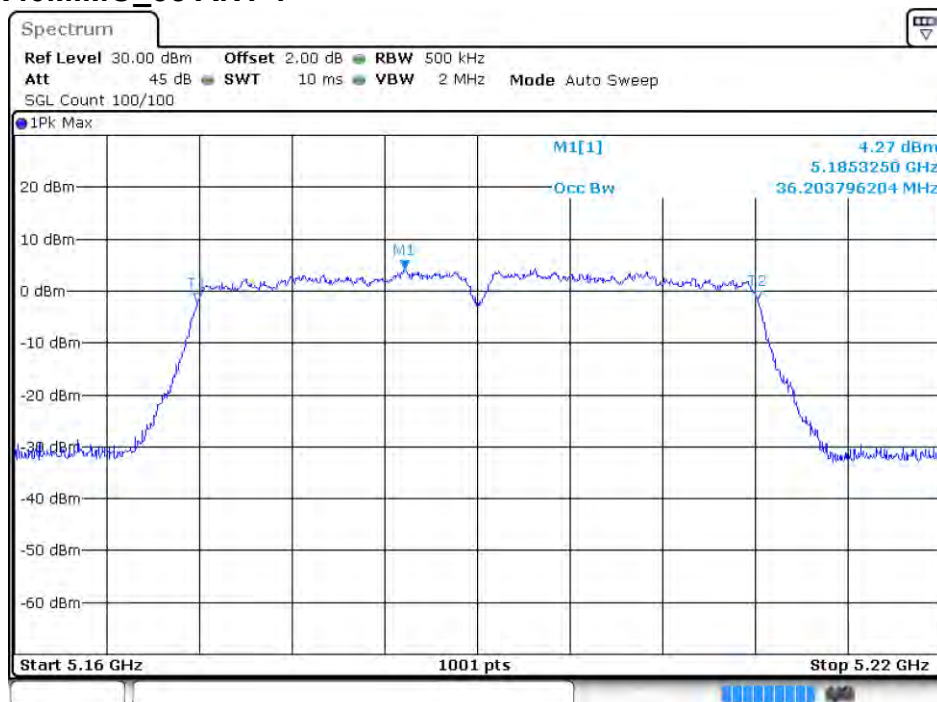


4.7.2.80 11N40_159 ANT 2



Date: 1 JAN 2020 06:11:42

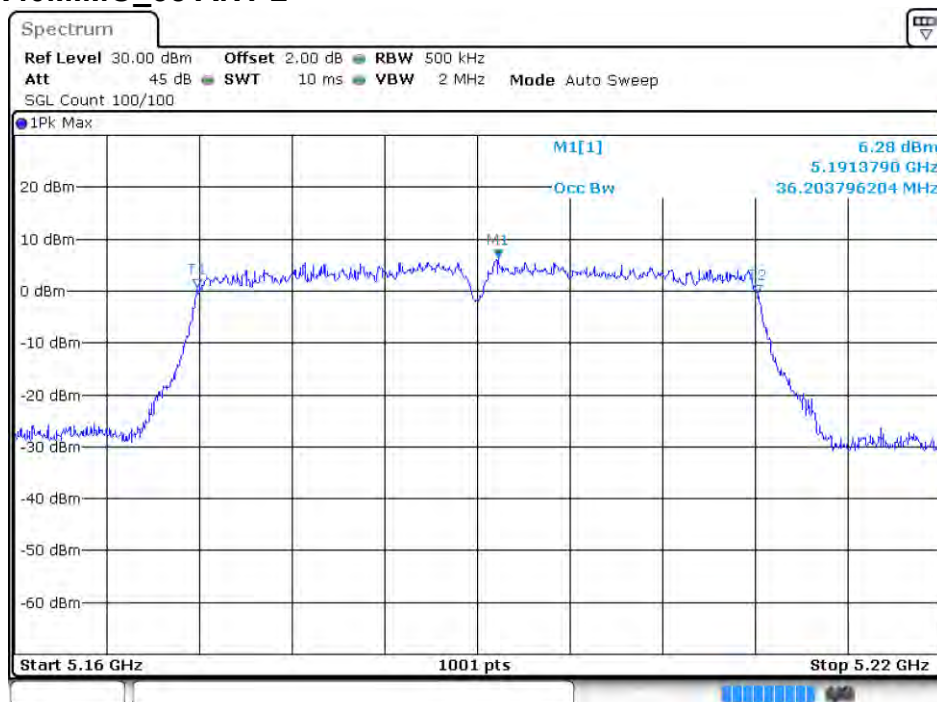
4.7.2.81 11N40MIMO_38 ANT 1



Date: 3 JAN 2020 02:35:00

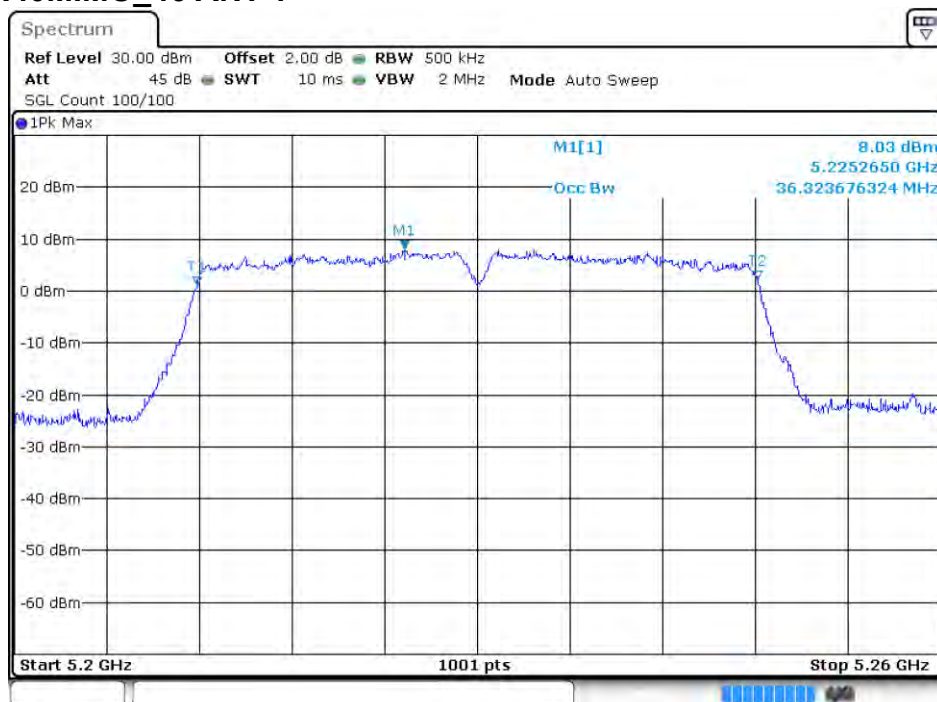


4.7.2.82 11N40MIMO_38 ANT 2



Date: 3 JAN 2020 01:24:16

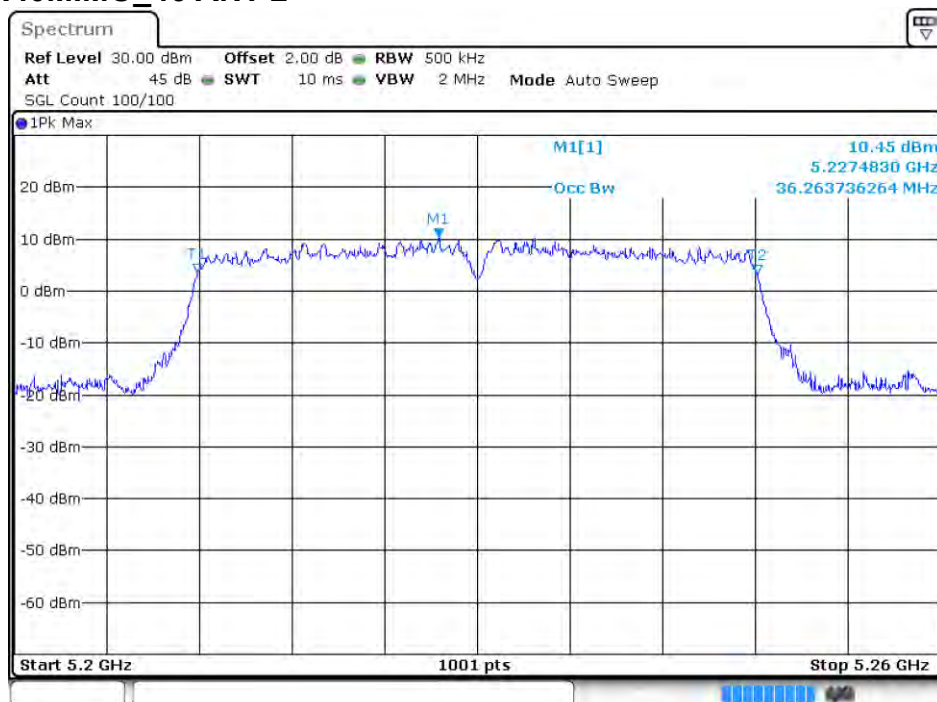
4.7.2.83 11N40MIMO_46 ANT 1



Date: 3 JAN 2020 02:36:08

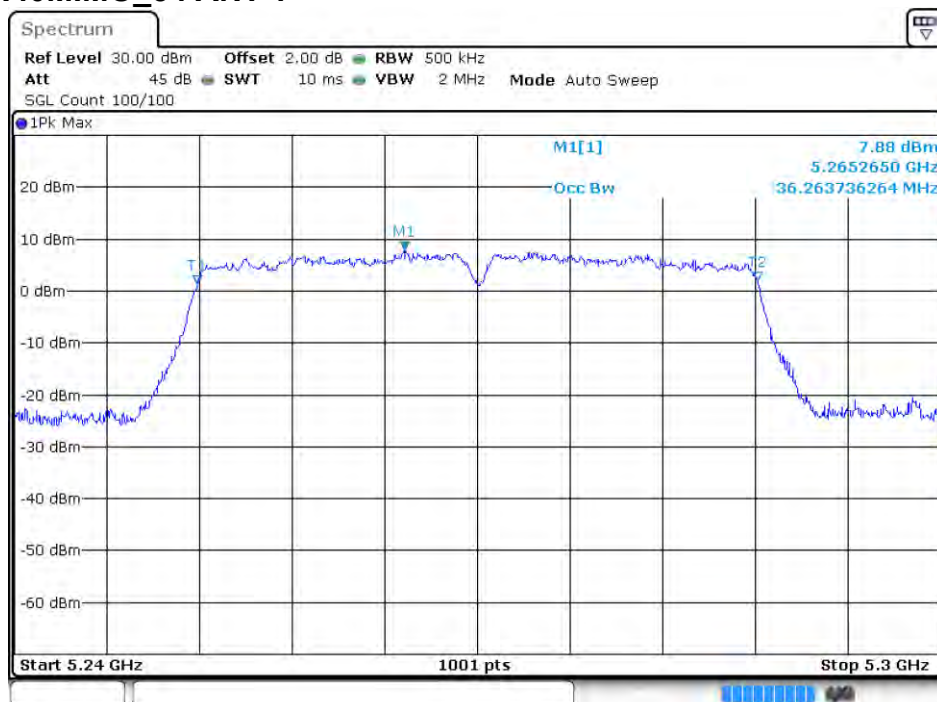


4.7.2.84 11N40MIMO_46 ANT 2



Date: 3 JAN 2020 01:26:58

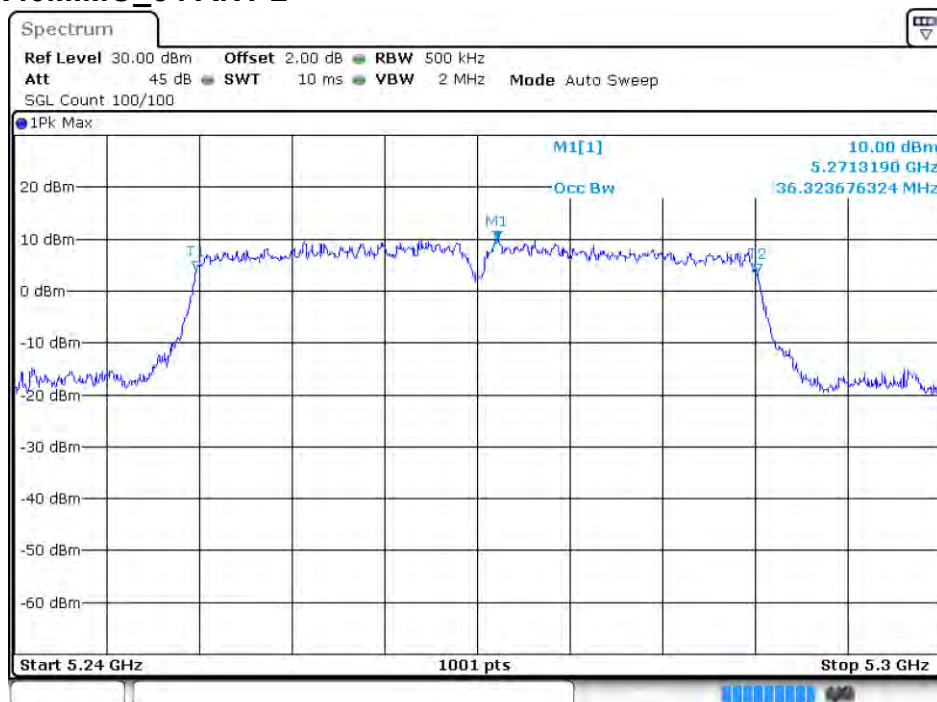
4.7.2.85 11N40MIMO_54 ANT 1



Date: 3 JAN 2020 02:38:24

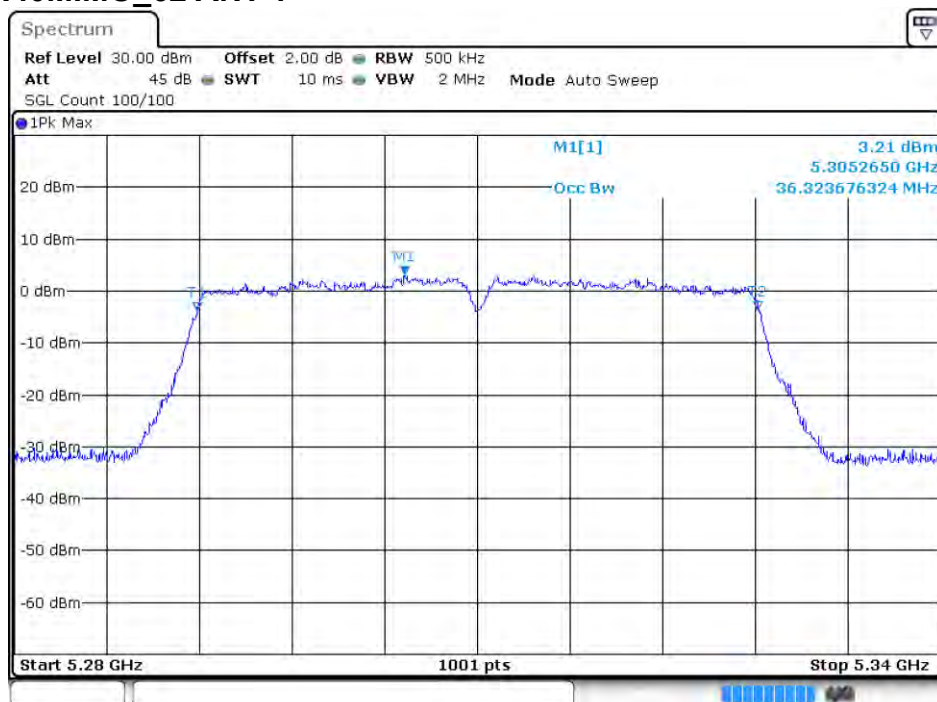


4.7.2.86 11N40MIMO_54 ANT 2



Date: 3 JAN 2020 01:28:24

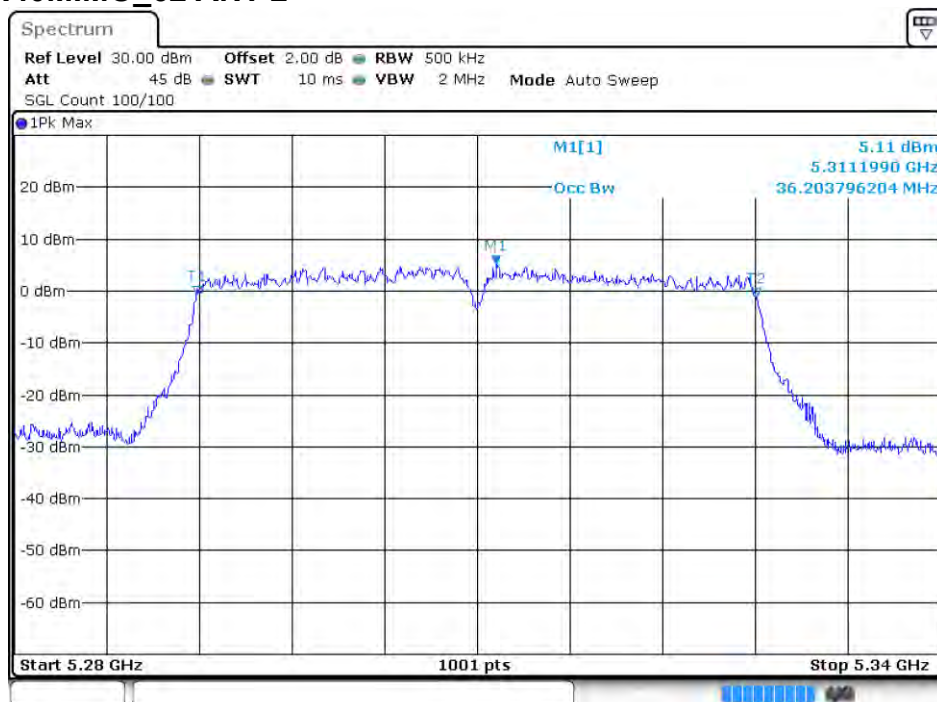
4.7.2.87 11N40MIMO_62 ANT 1



Date: 3 JAN 2020 02:40:00

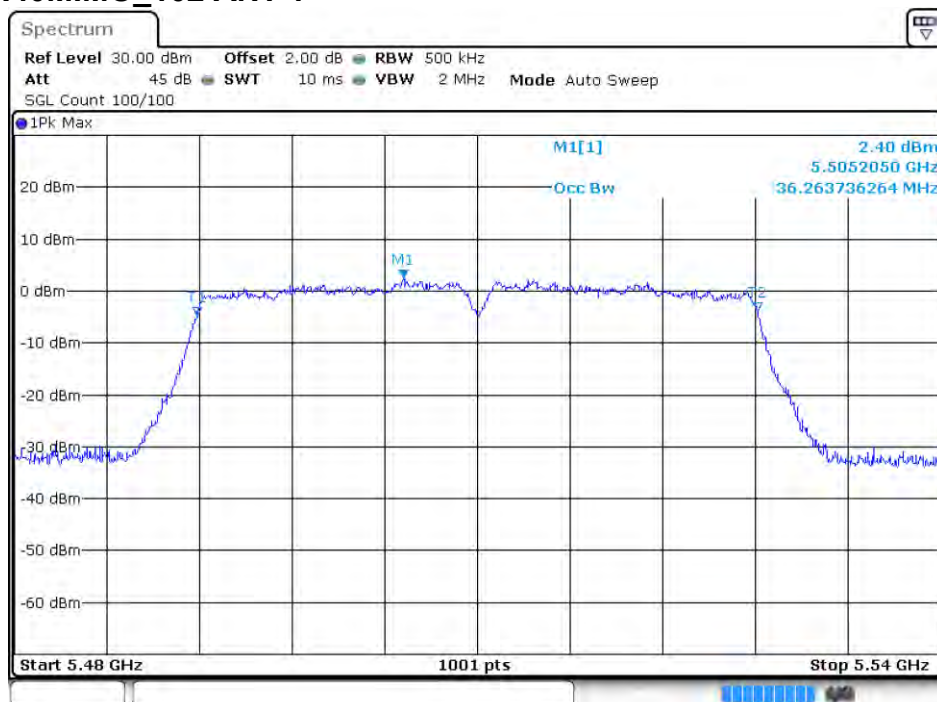


4.7.2.88 11N40MIMO_62 ANT 2



Date: 3 JAN 2020 01:29:33

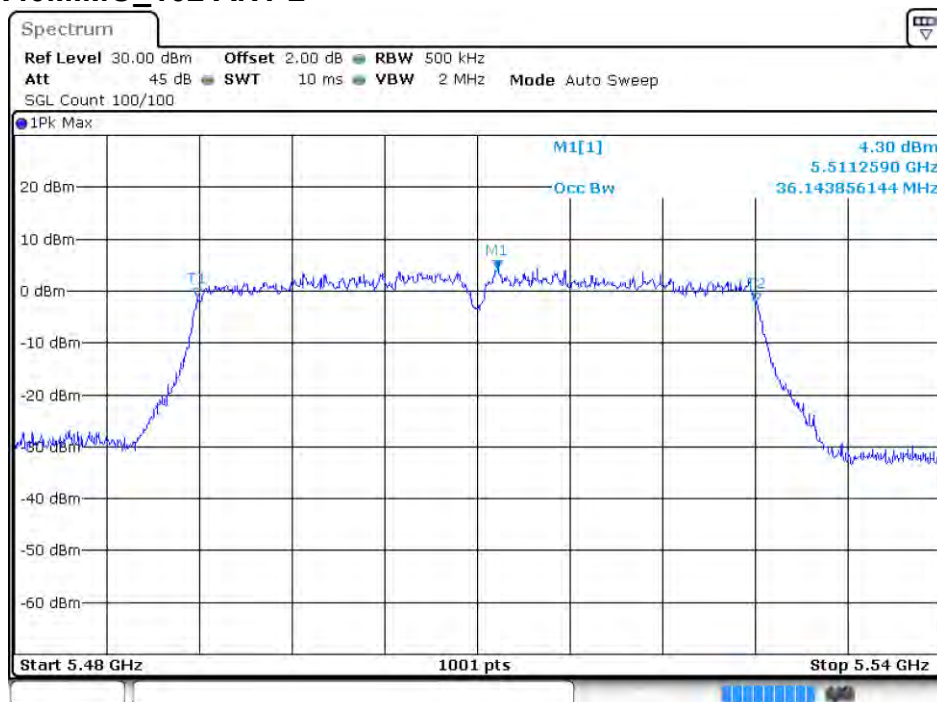
4.7.2.89 11N40MIMO_102 ANT 1



Date: 3 JAN 2020 02:41:26

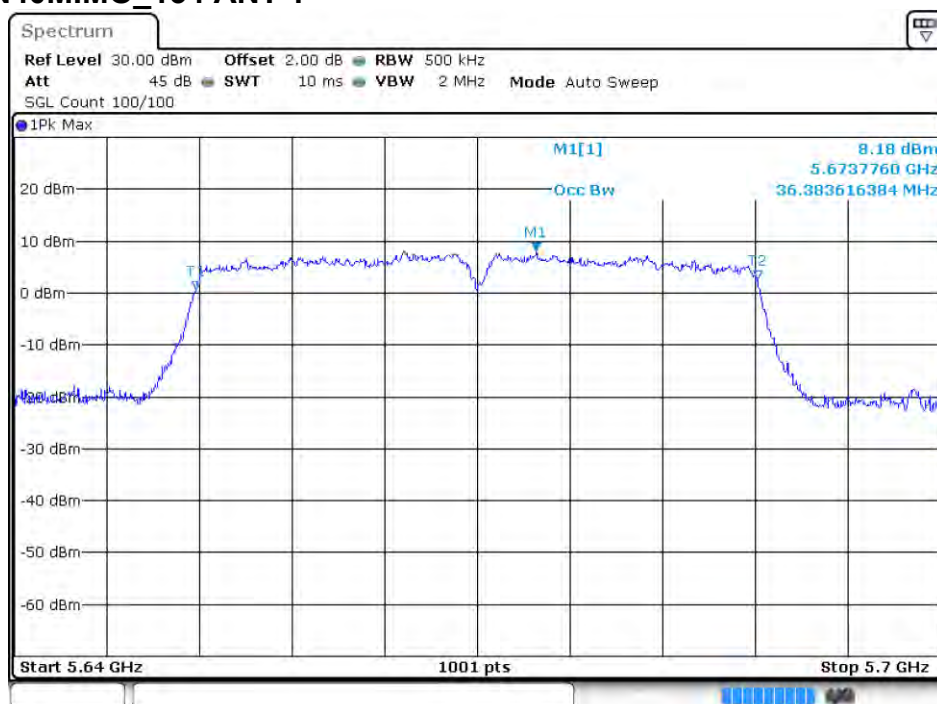


4.7.2.90 11N40MIMO_102 ANT 2



Date: 3 JAN 2020 01:31:12

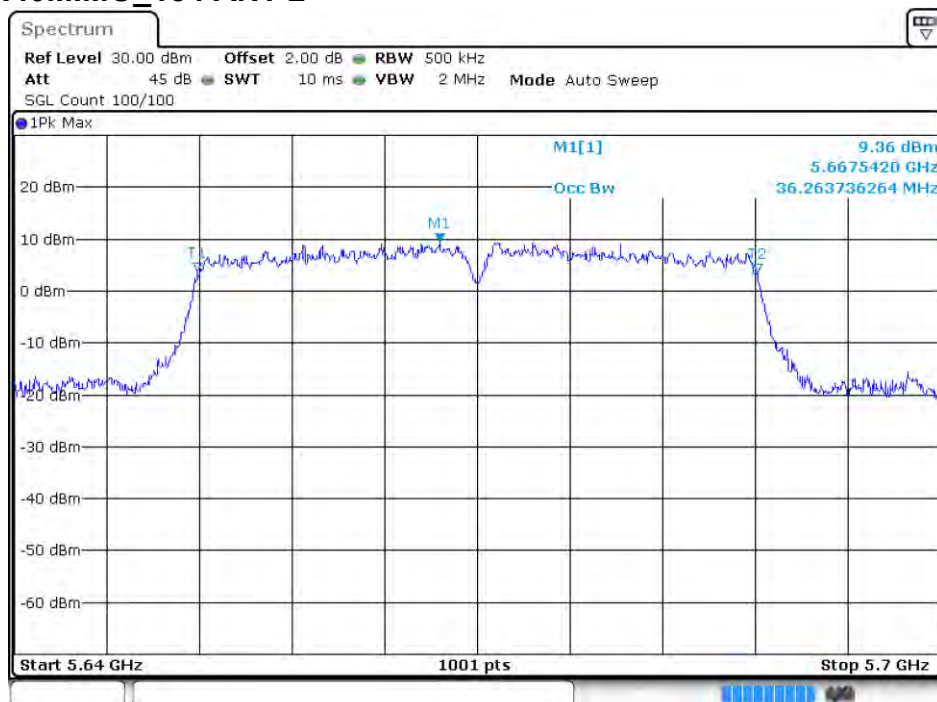
4.7.2.91 11N40MIMO_134 ANT 1



Date: 3 JAN 2020 02:43:14



4.7.2.92 11N40MIMO_134 ANT 2



Date: 3 JAN 2020 01:38:12

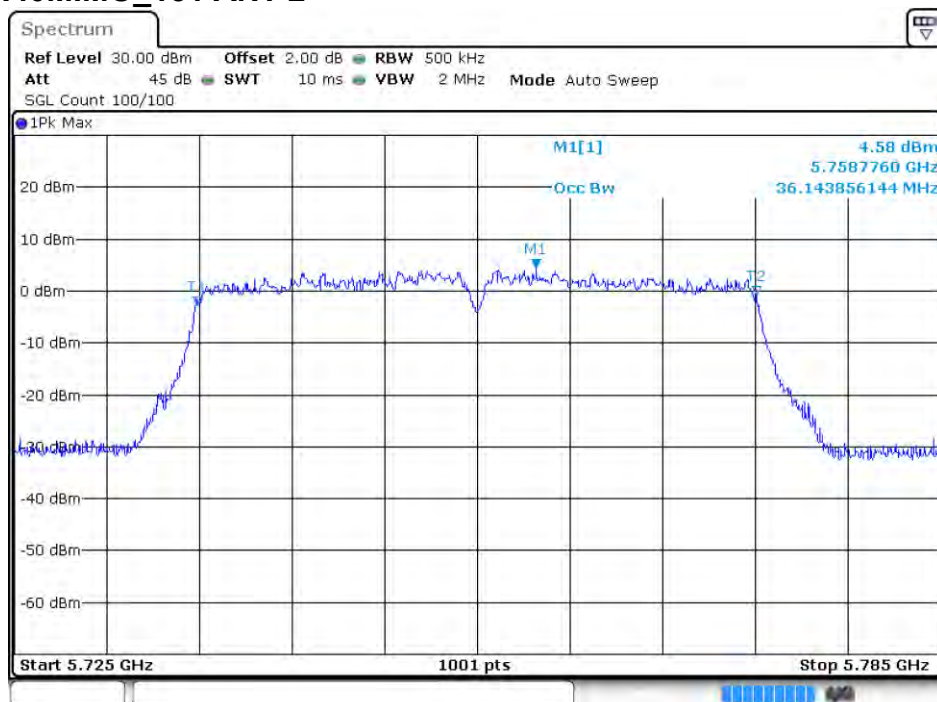
4.7.2.93 11N40MIMO_151 ANT 1



Date: 3 JAN 2020 02:45:05

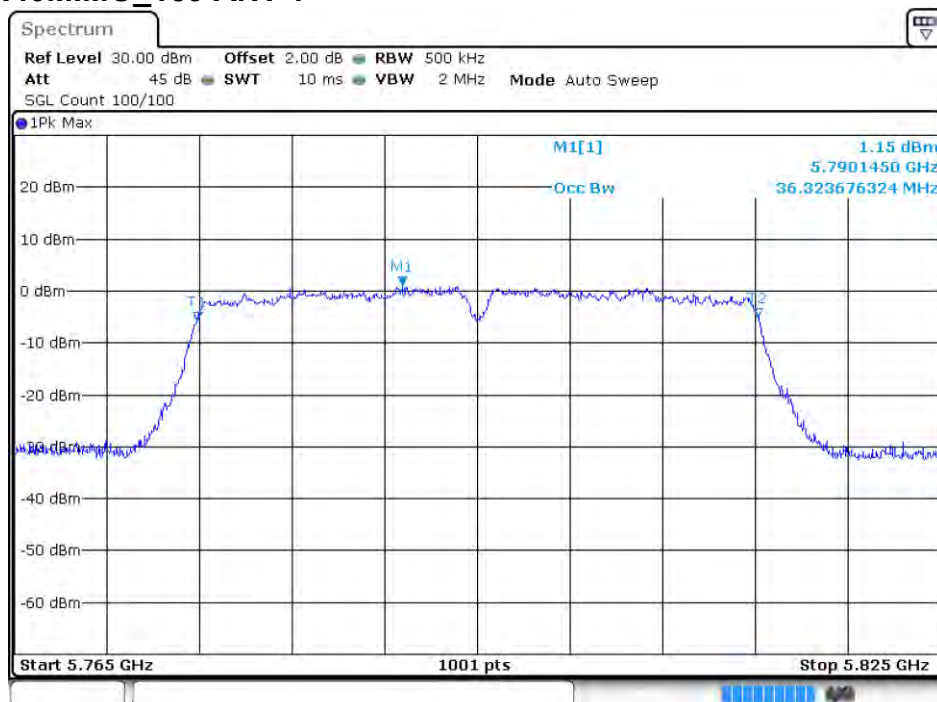


4.7.2.94 11N40MIMO_151 ANT 2



Date: 3 JAN 2020 01:39:31

4.7.2.95 11N40MIMO_159 ANT 1

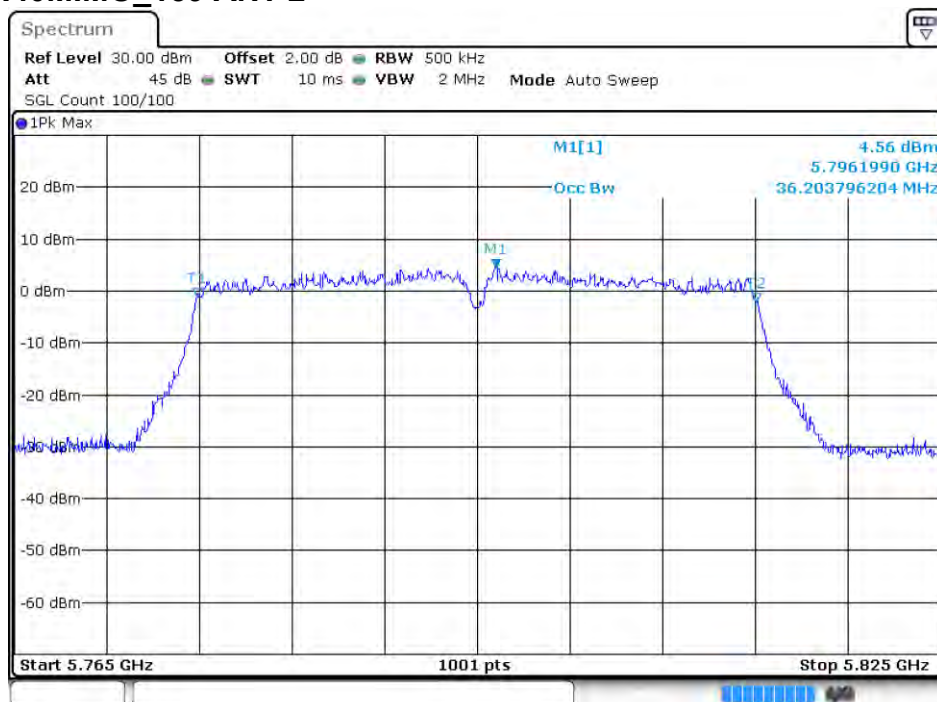


Date: 3 JAN 2020 02:46:36



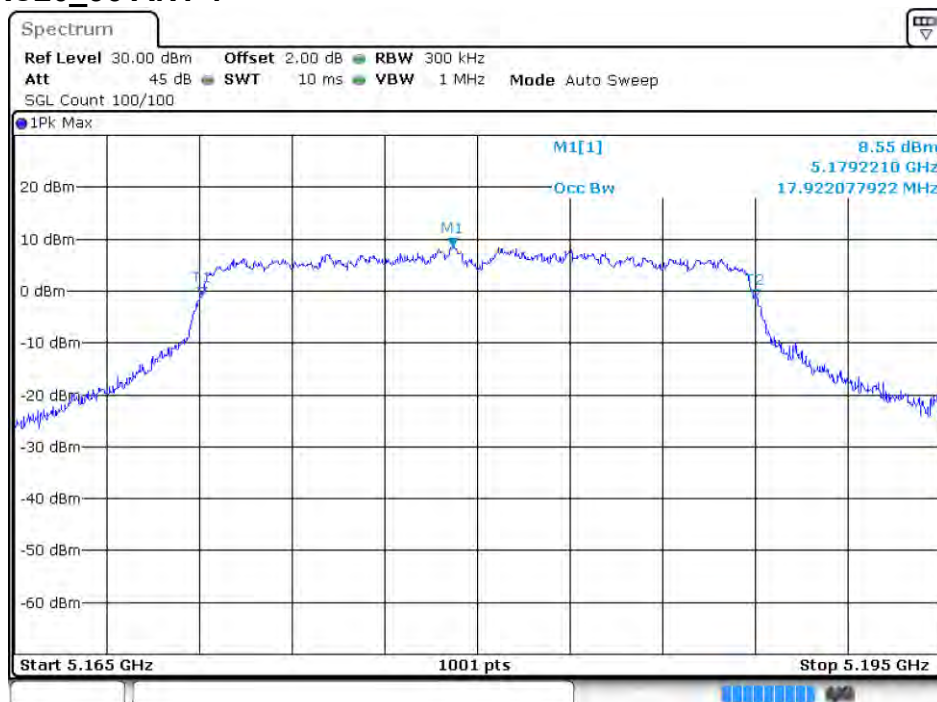


4.7.2.96 11N40MIMO_159 ANT 2



Date: 3 JAN 2020 01:40:30

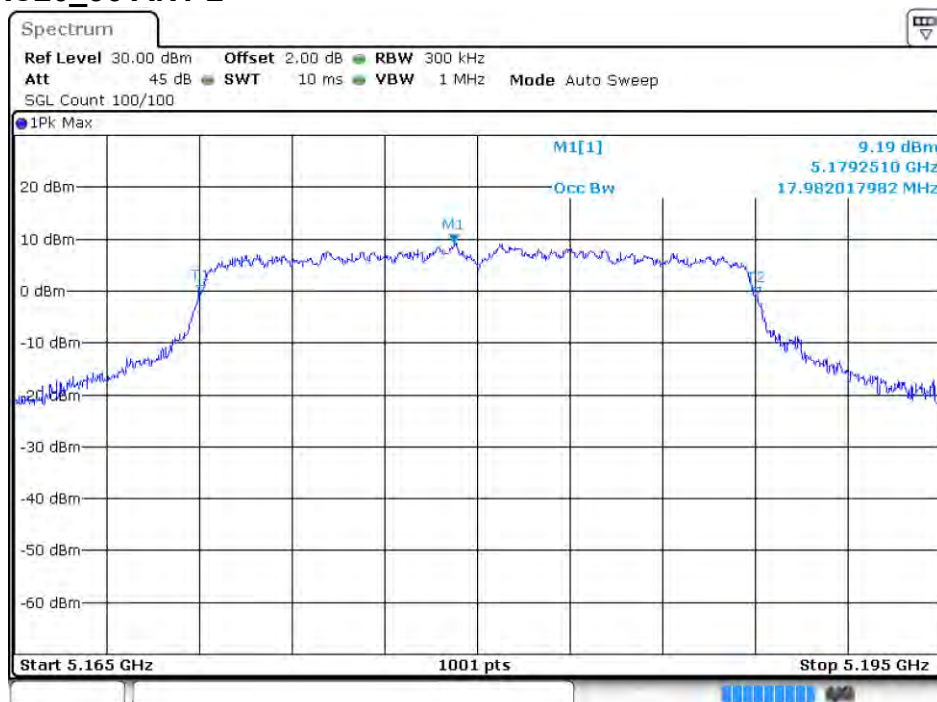
4.7.2.97 11AC20_36 ANT 1



Date: 1 JAN 2020 04:45:07

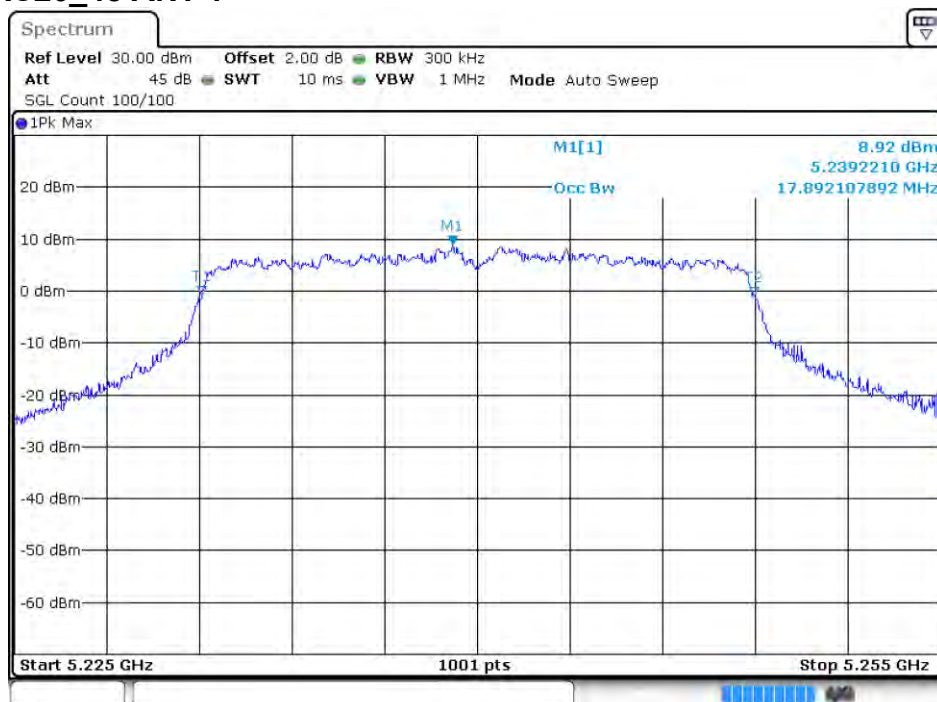


4.7.2.98 11AC20_36 ANT 2



Date: 1 JAN 2020 04:09:45

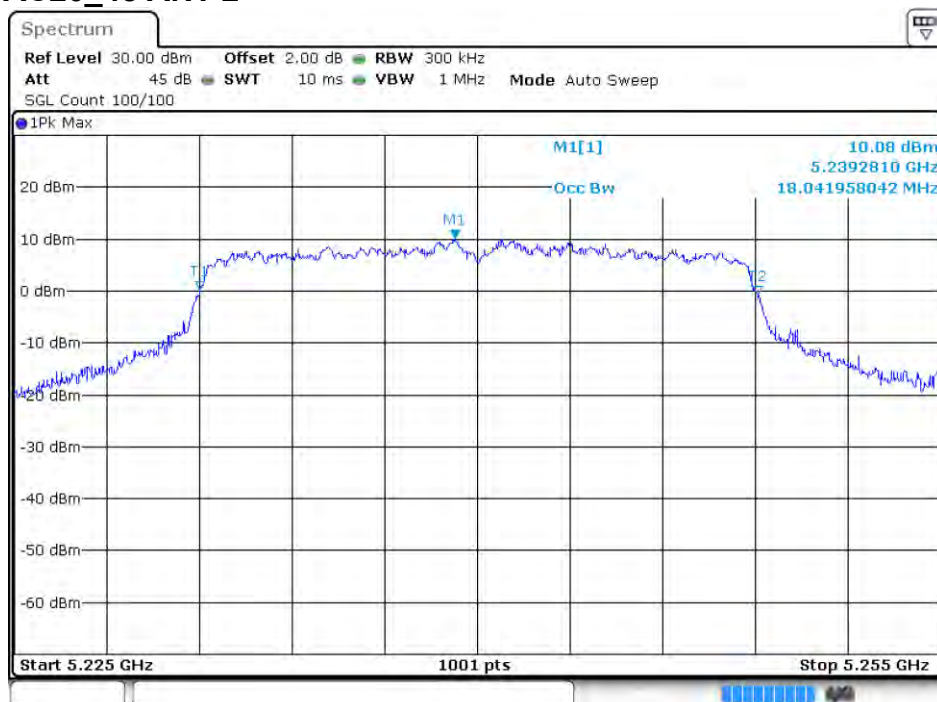
4.7.2.99 11AC20_48 ANT 1



Date: 1 JAN 2020 04:47:21

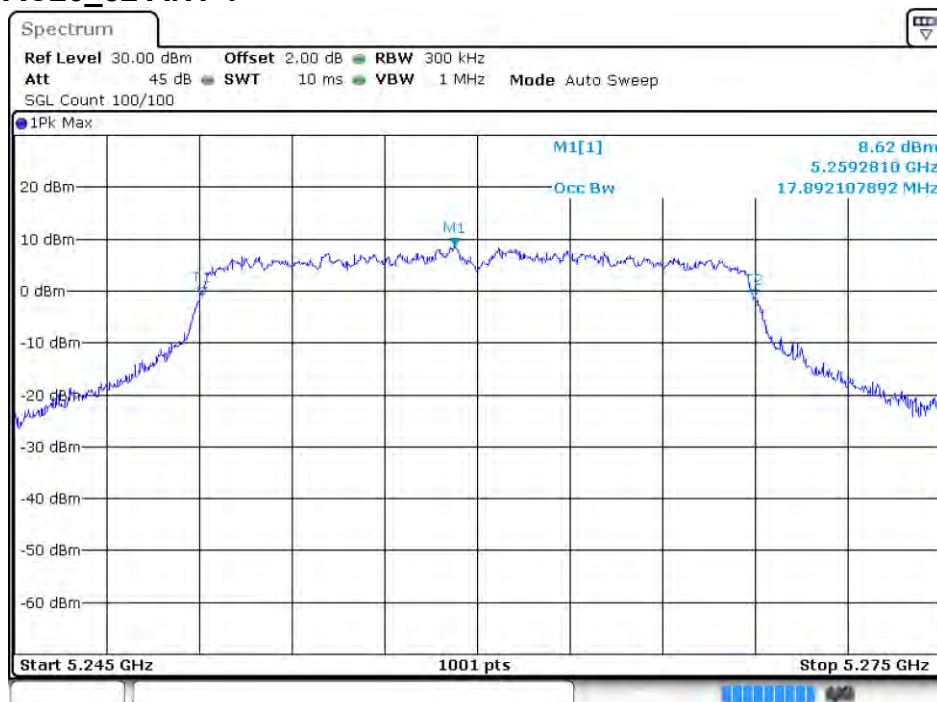


4.7.2.100 11AC20_48 ANT 2



Date: 1 JAN 2020 04:11:43

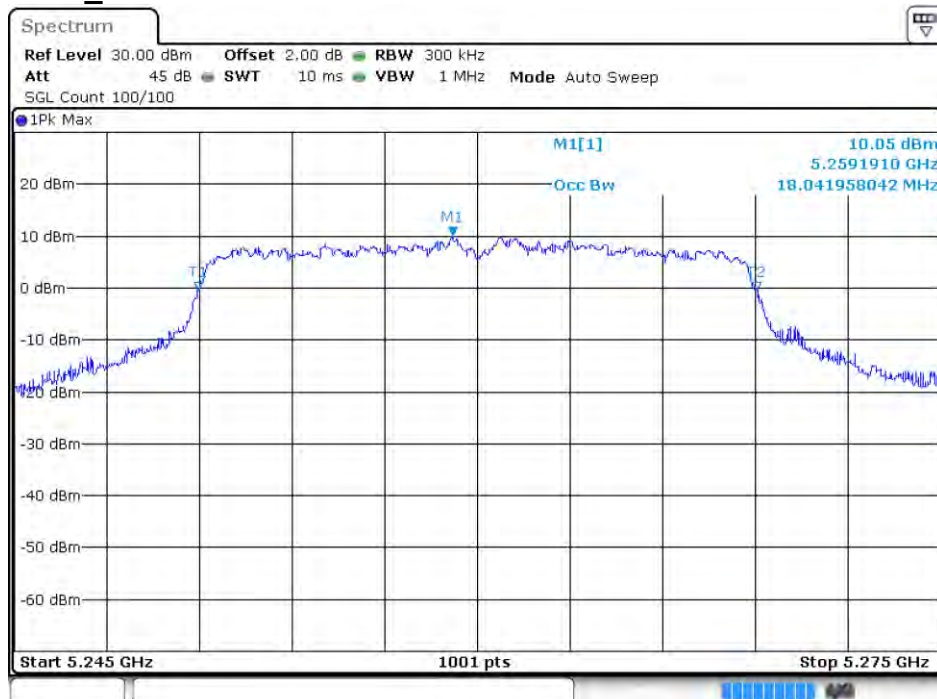
4.7.2.101 11AC20_52 ANT 1



Date: 1 JAN 2020 04:48:35

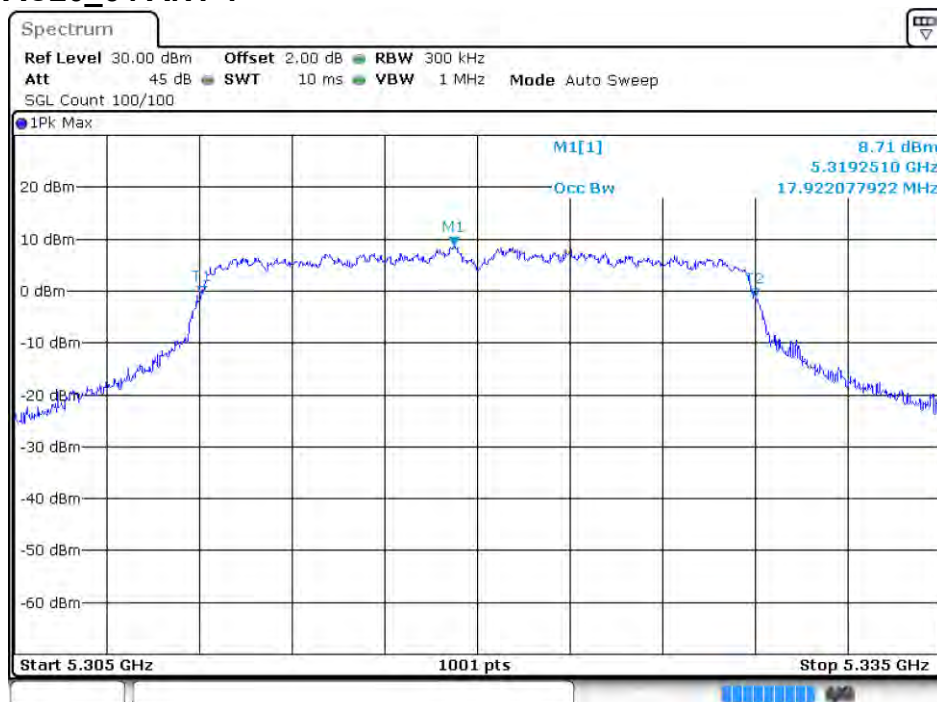


4.7.2.102 11AC20_52 ANT 2



Date: 1 JAN 2020 04:13:51

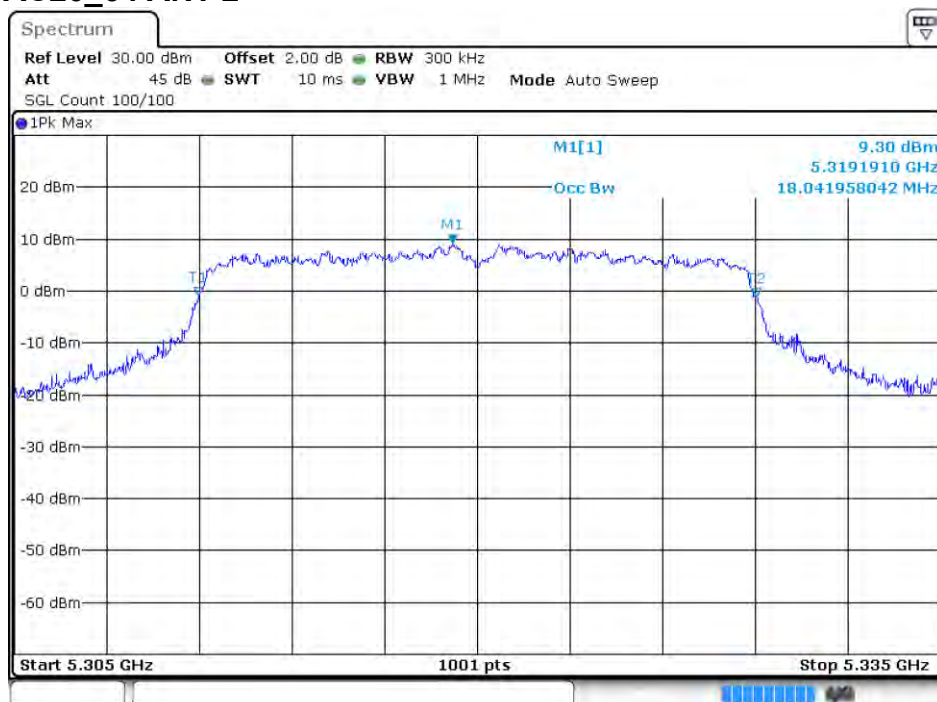
4.7.2.103 11AC20_64 ANT 1



Date: 1 JAN 2020 04:50:03

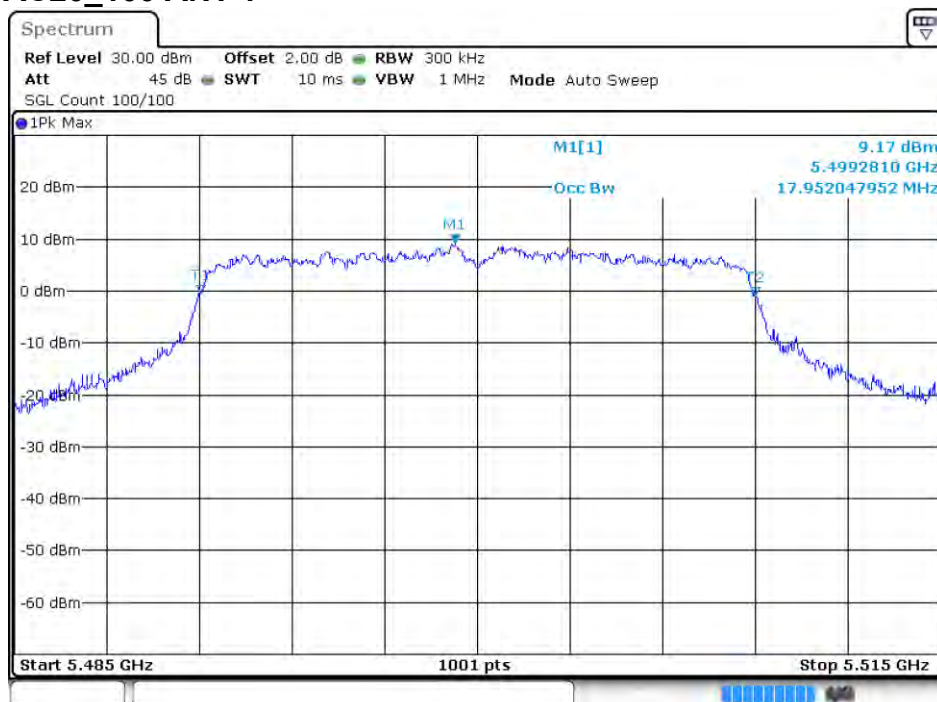


4.7.2.104 11AC20_64 ANT 2



Date: 1 JAN 2020 04:15:01

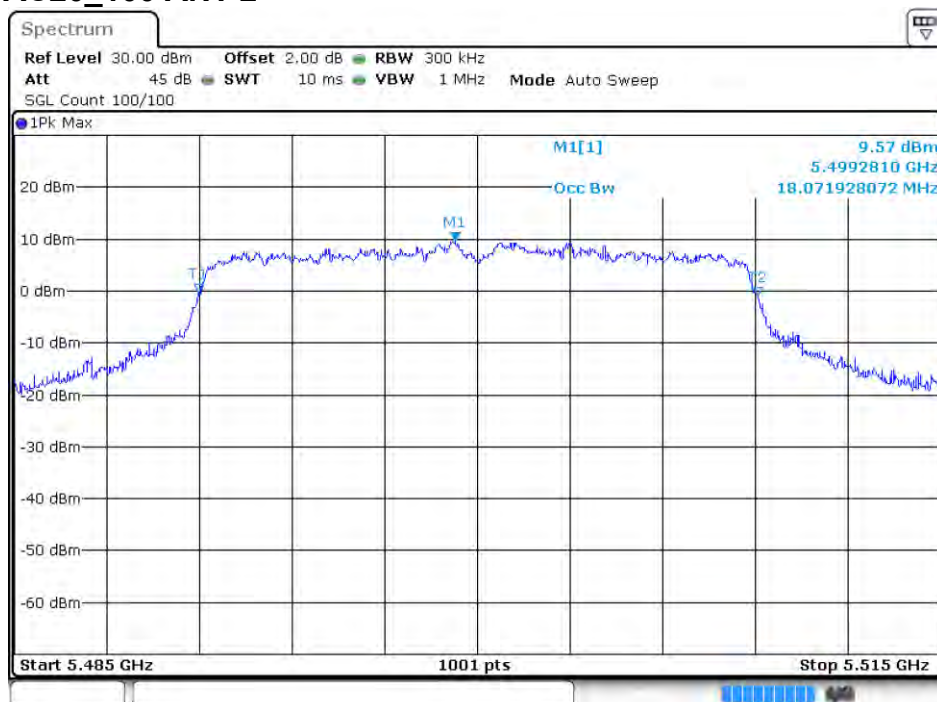
4.7.2.105 11AC20_100 ANT 1



Date: 1 JAN 2020 04:51:11

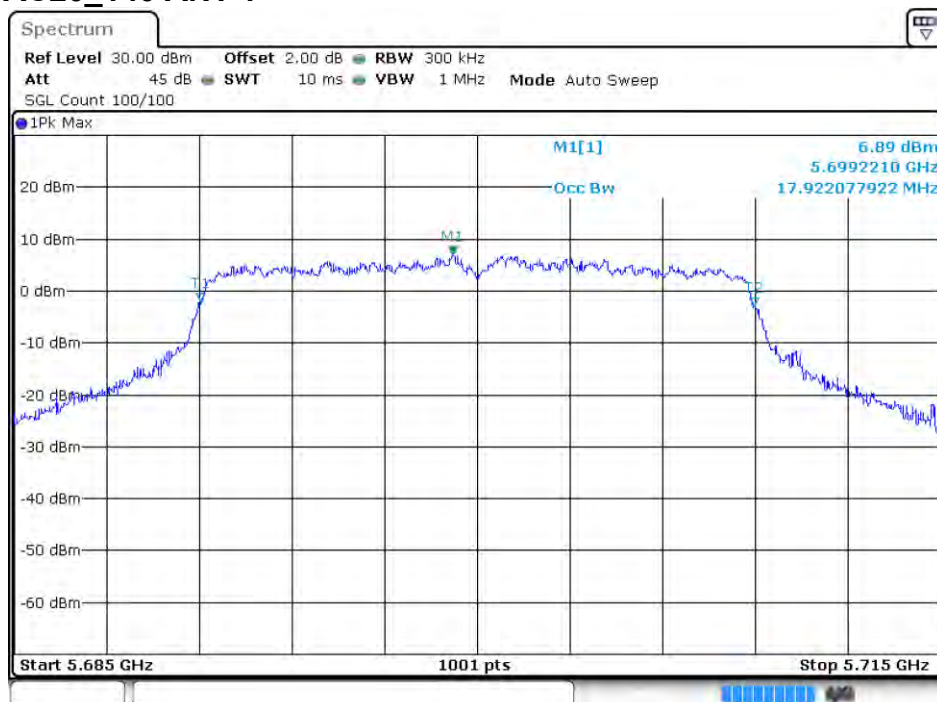


4.7.2.106 11AC20_100 ANT 2



Date: 1.JAN.2020 04:17:11

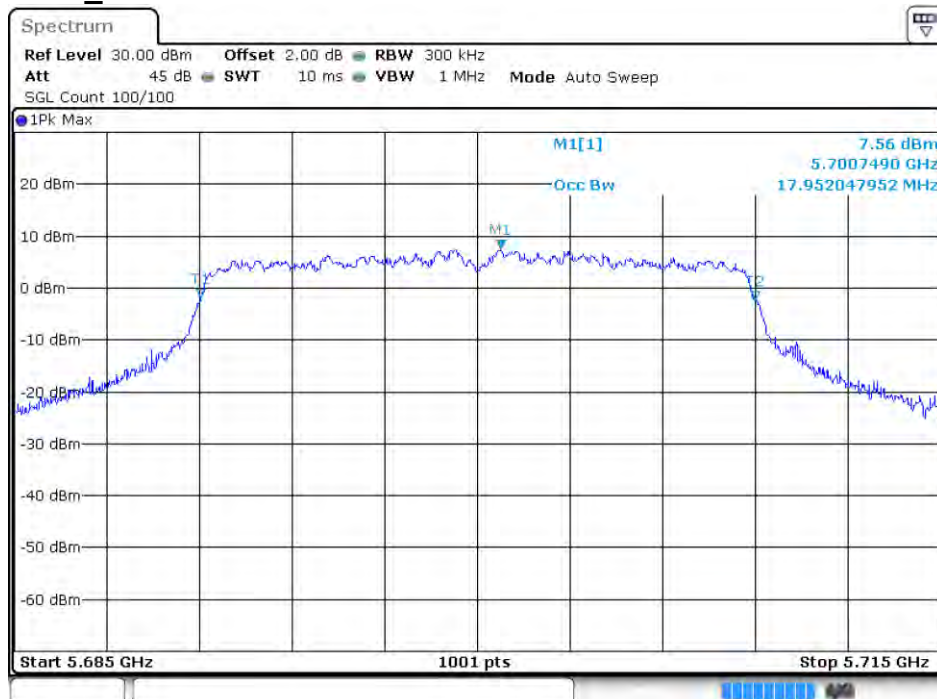
4.7.2.107 11AC20_140 ANT 1



Date: 1.JAN.2020 04:52:43

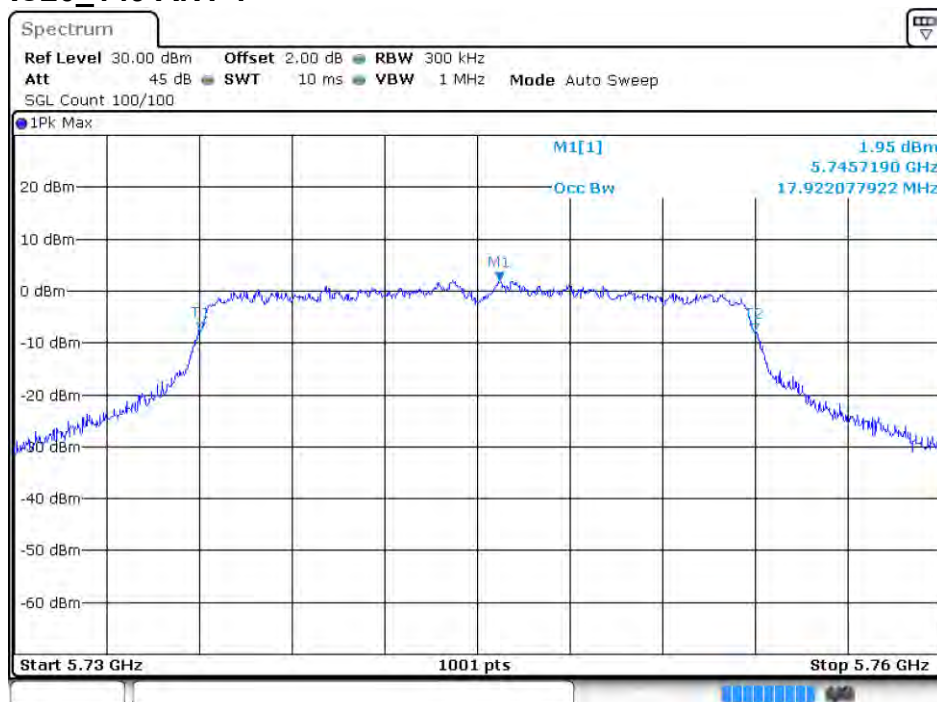


4.7.2.108 11AC20_140 ANT 2



Date: 1.JAN.2020 04:18:32

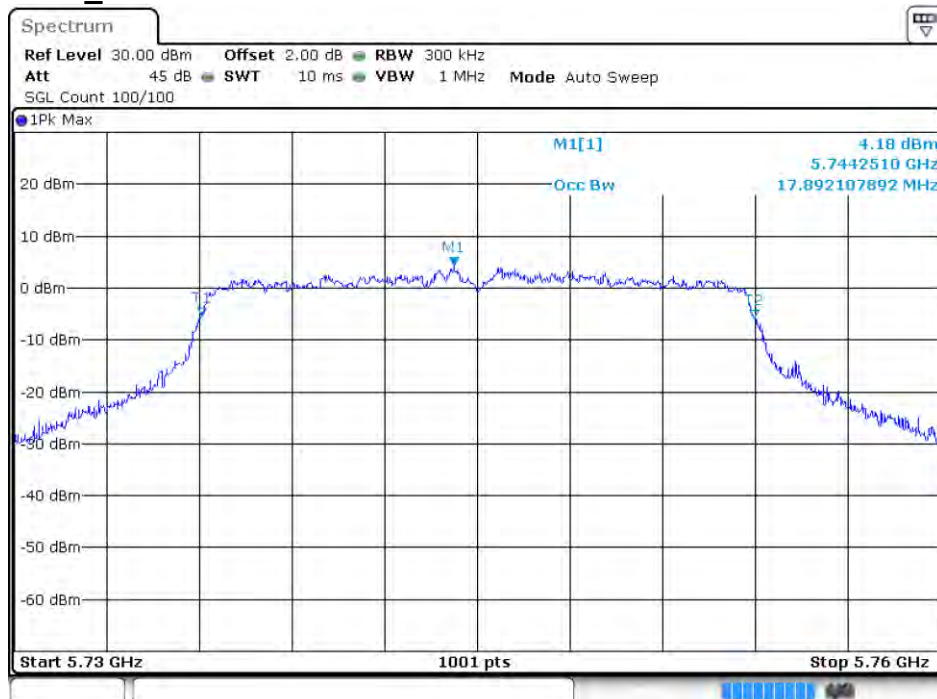
4.7.2.109 11AC20_149 ANT 1



Date: 1.JAN.2020 04:53:47

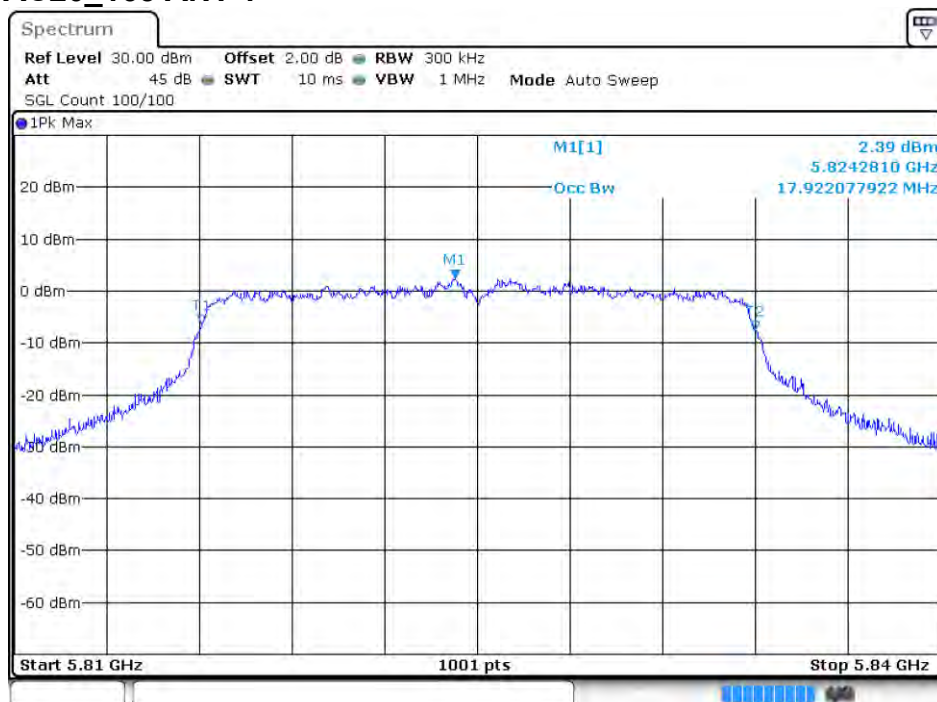


4.7.2.110 11AC20_149 ANT 2



Date: 1 JAN 2020 04:20:14

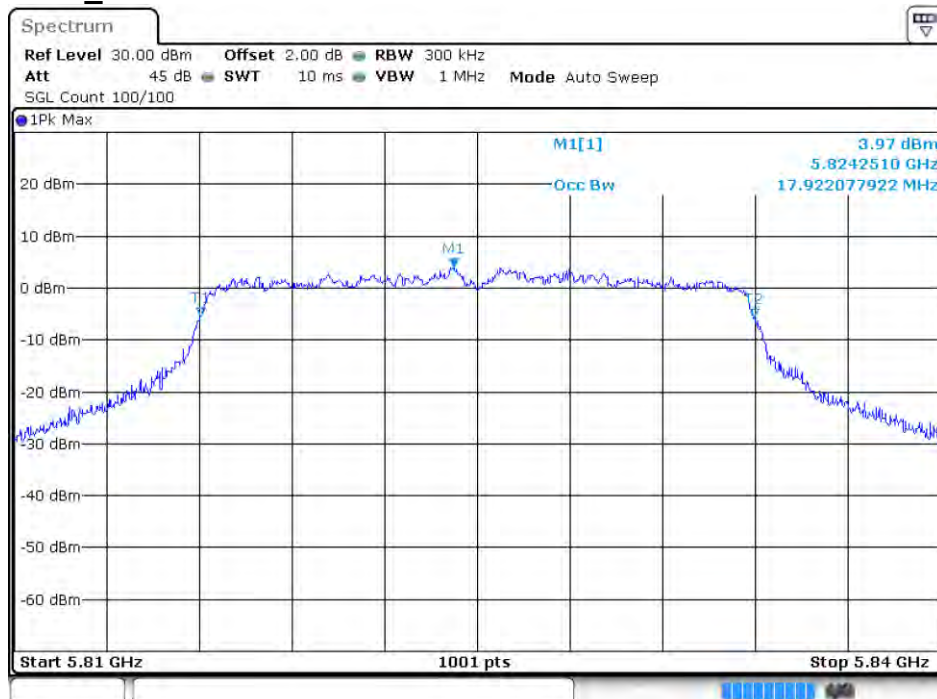
4.7.2.111 11AC20_165 ANT 1



Date: 1 JAN 2020 04:54:47

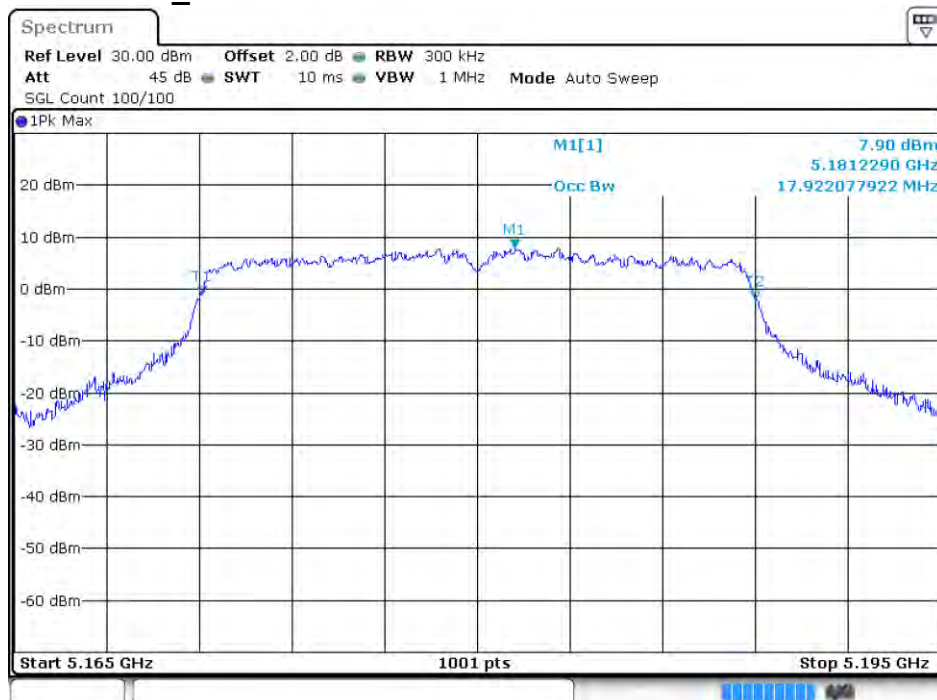


4.7.2.112 11AC20_165 ANT 2



Date: 1 JAN 2020 04:21:36

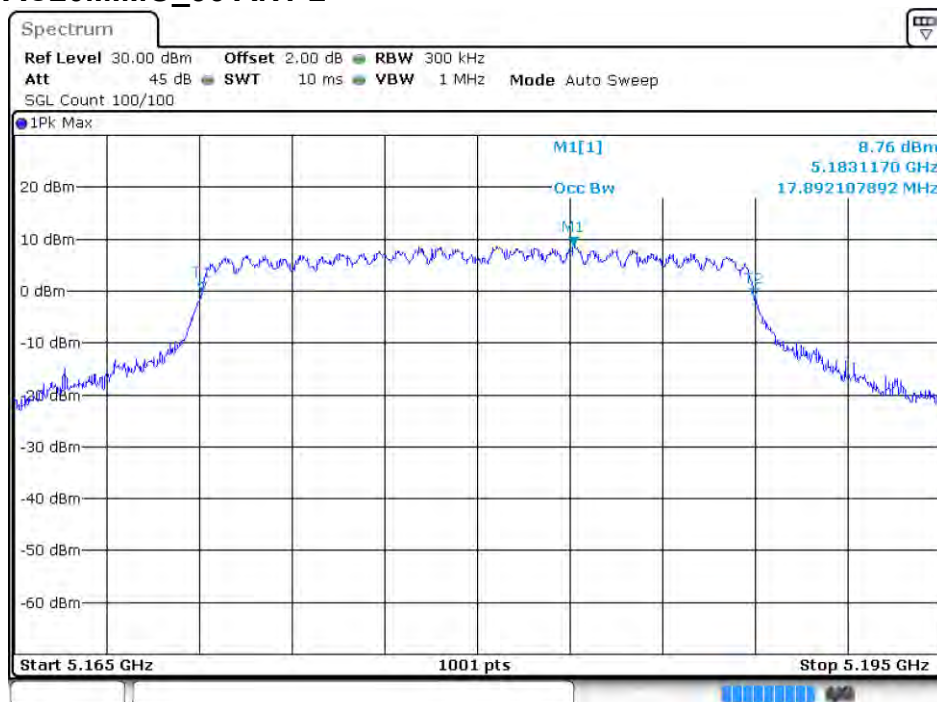
4.7.2.113 11AC20MIMO_36 ANT 1



Date: 1 JAN 2020 07:44:39

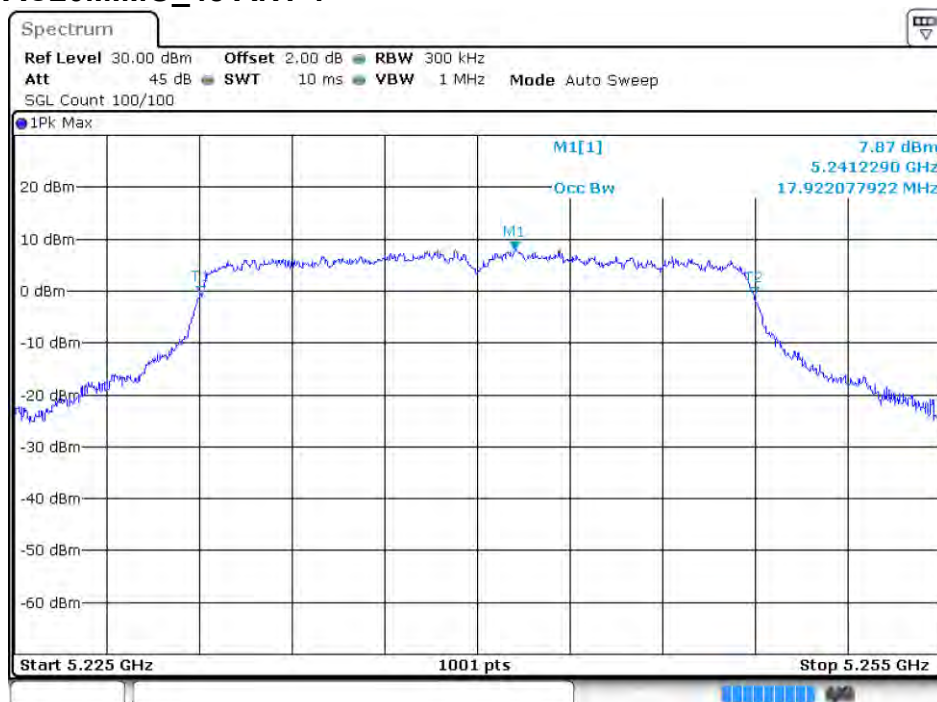


4.7.2.114 11AC20MIMO_36 ANT 2



Date: 3 JAN 2020 01:02:06

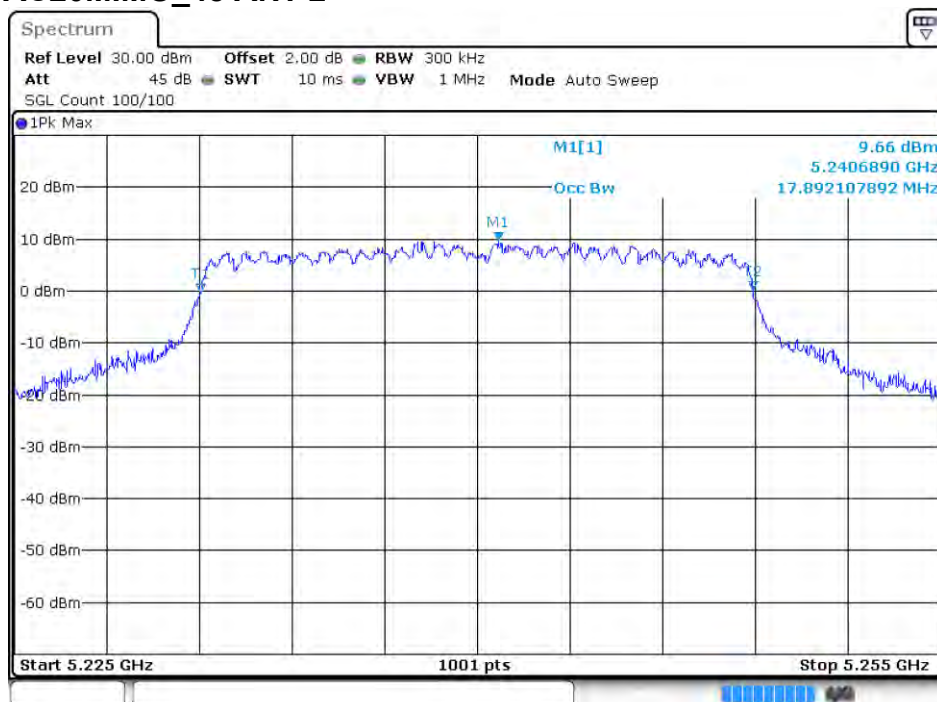
4.7.2.115 11AC20MIMO_48 ANT 1



Date: 1 JAN 2020 07:46:11

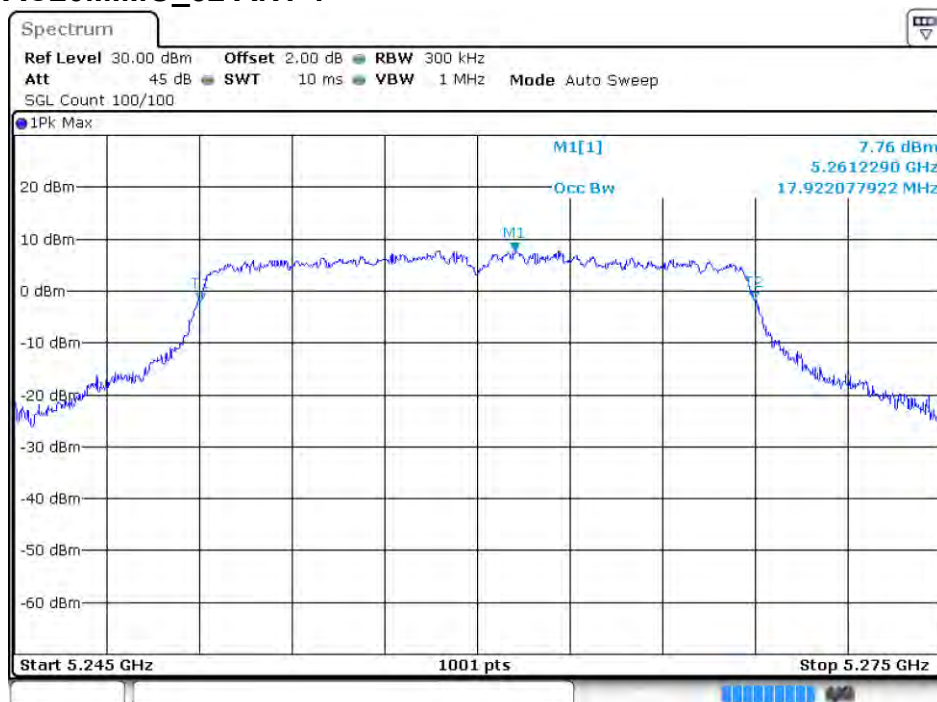


4.7.2.116 11AC20MIMO_48 ANT 2



Date: 3 JAN 2020 01:03:22

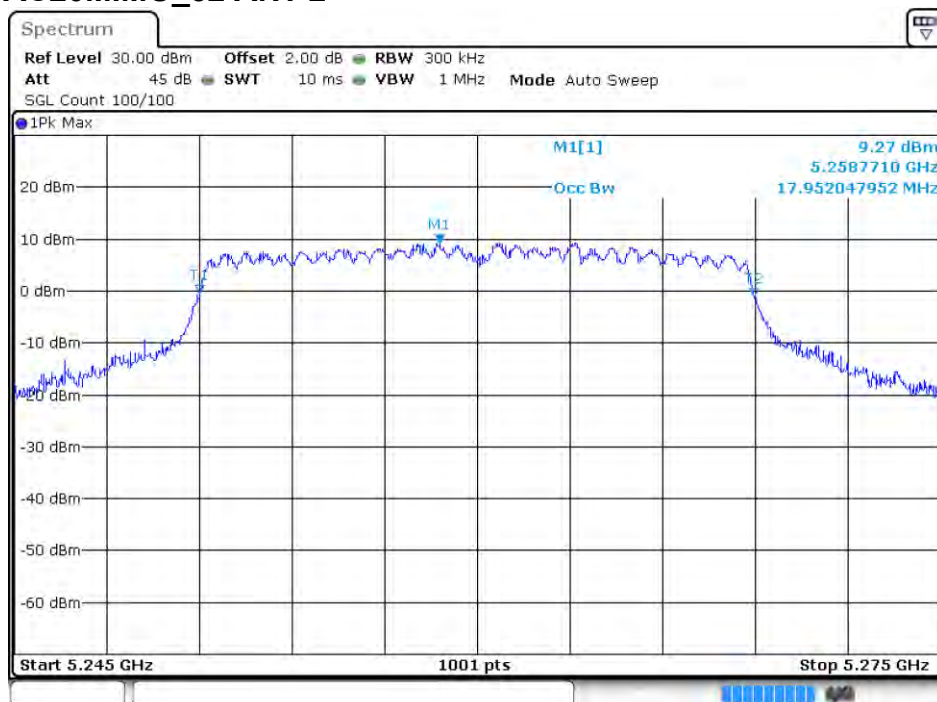
4.7.2.117 11AC20MIMO_52 ANT 1



Date: 1 JAN 2020 07:49:14

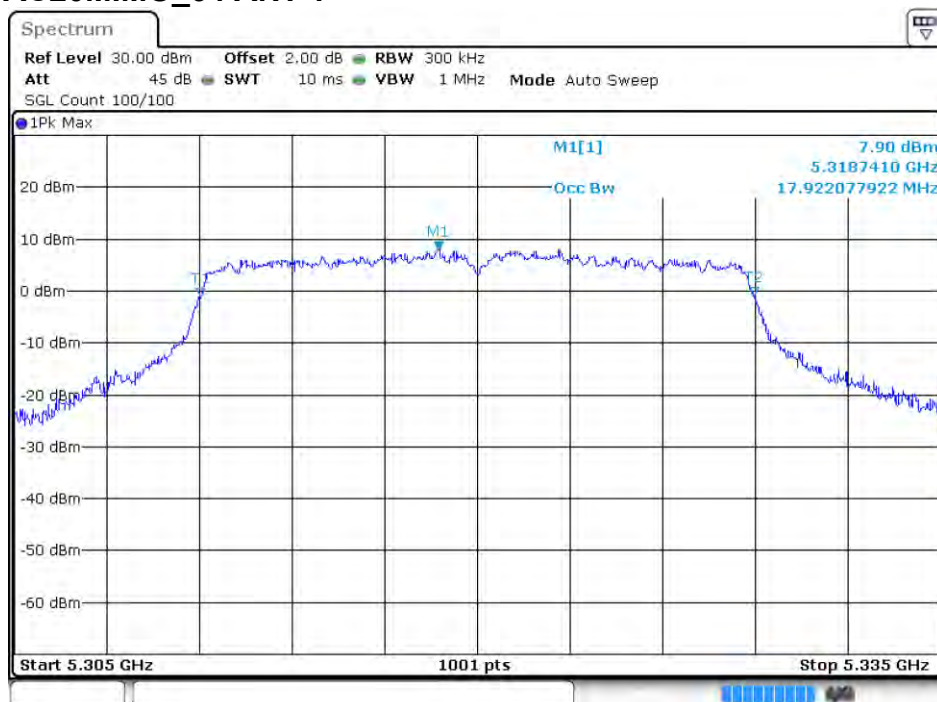


4.7.2.118 11AC20MIMO_52 ANT 2



Date: 3 JAN 2020 01:06:10

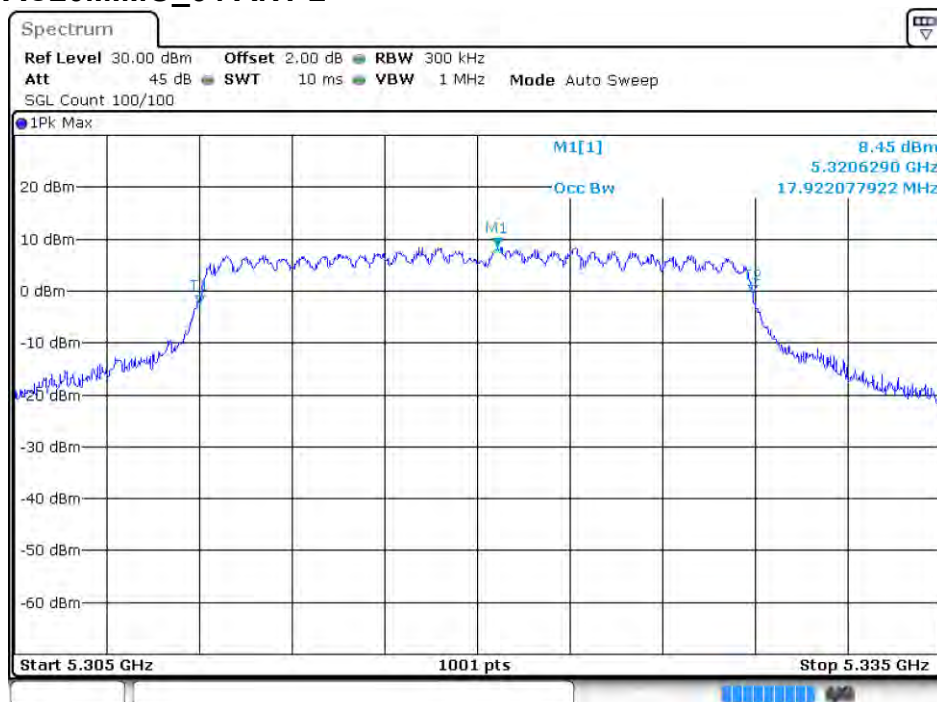
4.7.2.119 11AC20MIMO_64 ANT 1



Date: 1 JAN 2020 07:50:19

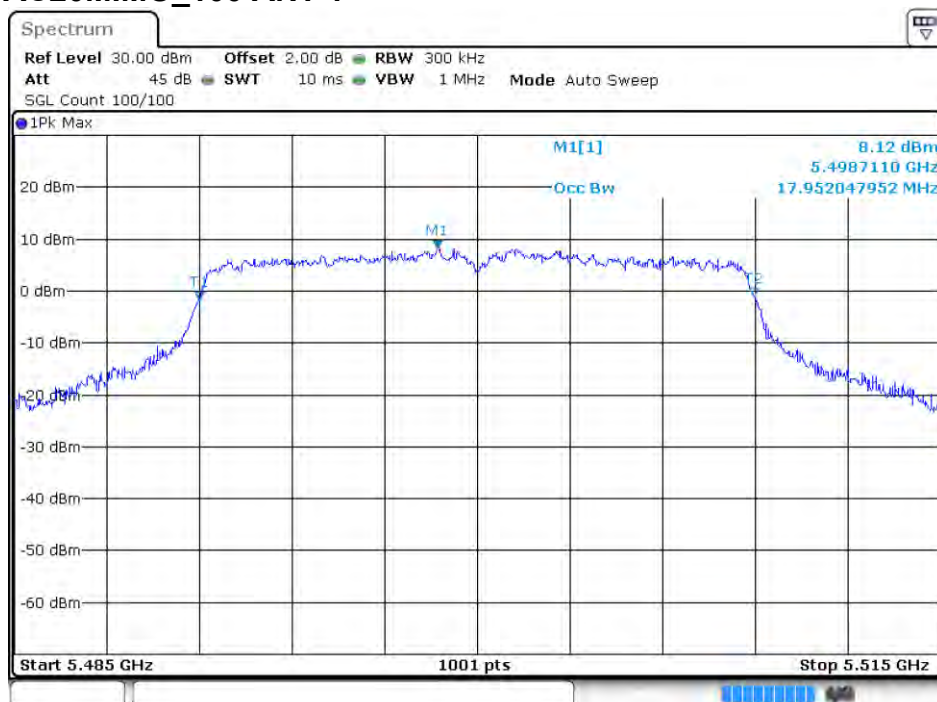


4.7.2.120 11AC20MIMO_64 ANT 2



Date: 3 JAN 2020 01:07:02

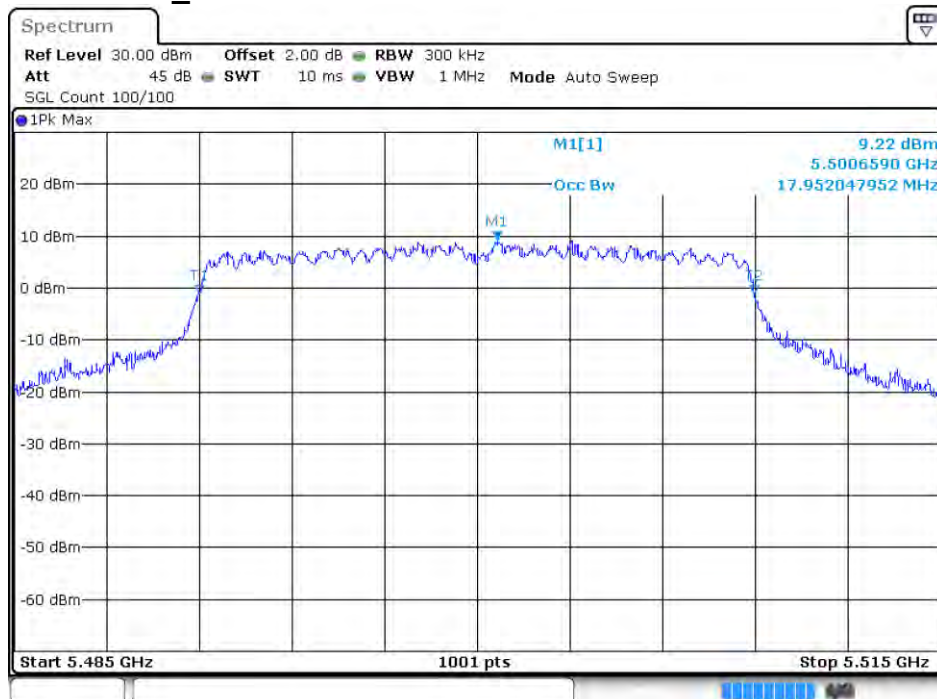
4.7.2.121 11AC20MIMO_100 ANT 1



Date: 1 JAN 2020 07:51:42

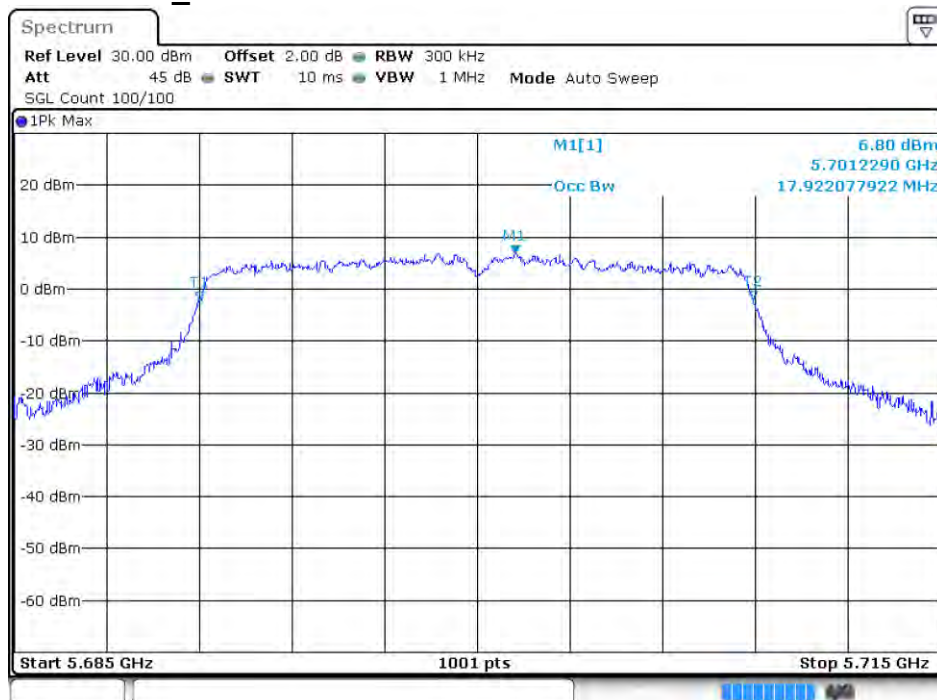


4.7.2.122 11AC20MIMO_100 ANT 2



Date: 3 JAN 2020 01:10:37

4.7.2.123 11AC20MIMO_140 ANT 1

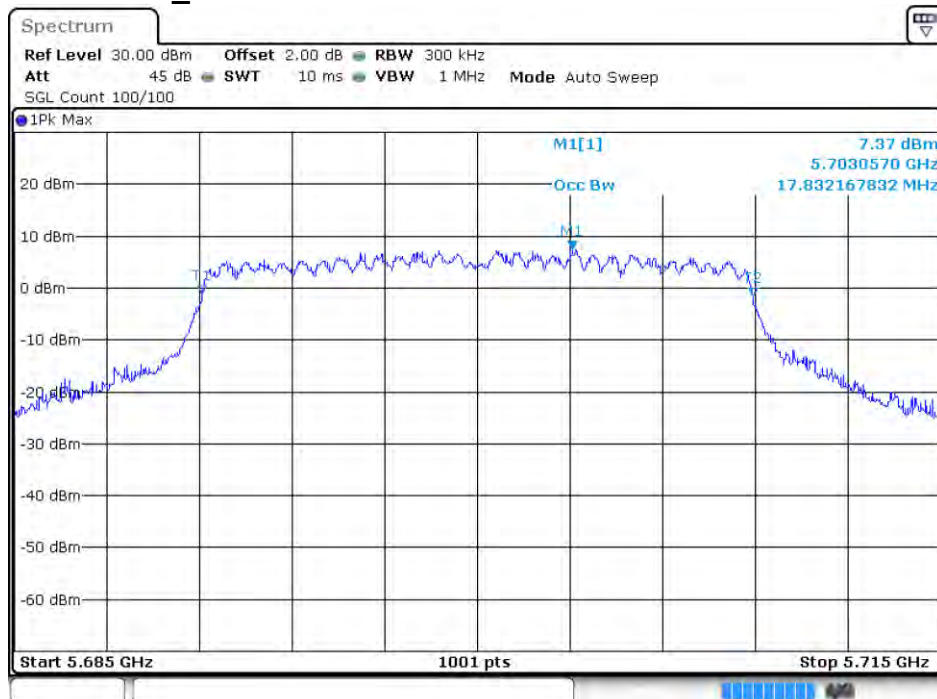


Date: 1 JAN 2020 07:53:08



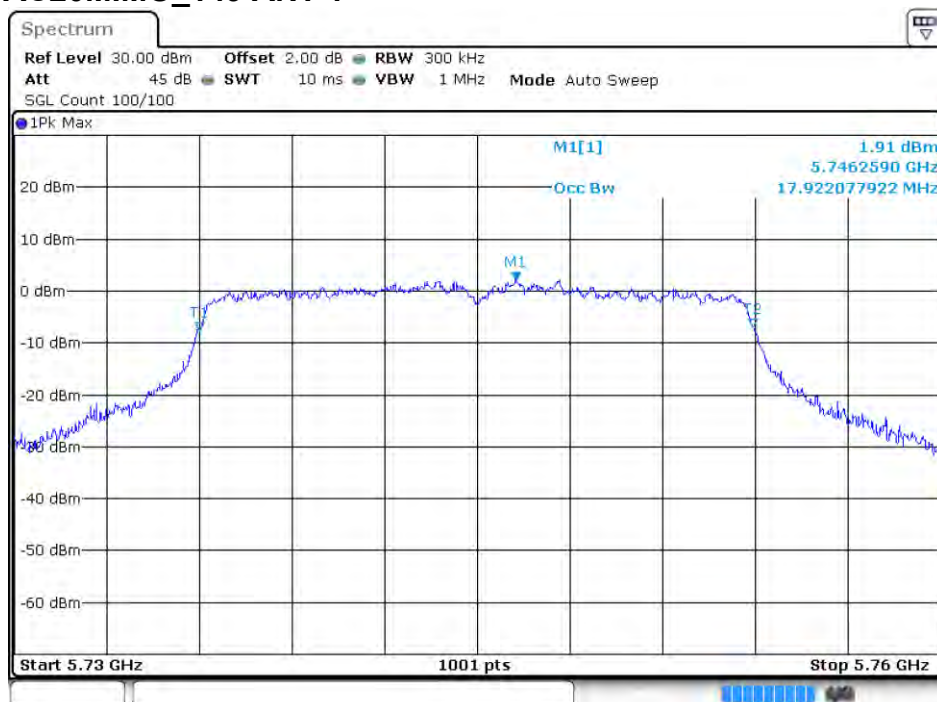


4.7.2.124 11AC20MIMO_140 ANT 2



Date: 3 JAN 2020 01:12:11

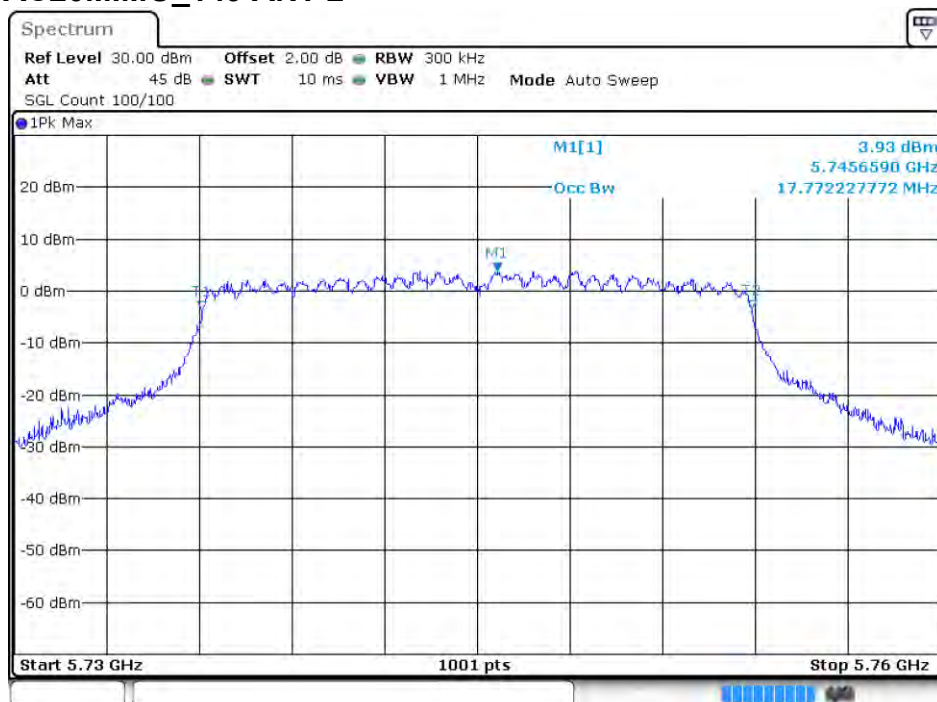
4.7.2.125 11AC20MIMO_149 ANT 1



Date: 1 JAN 2020 07:54:37

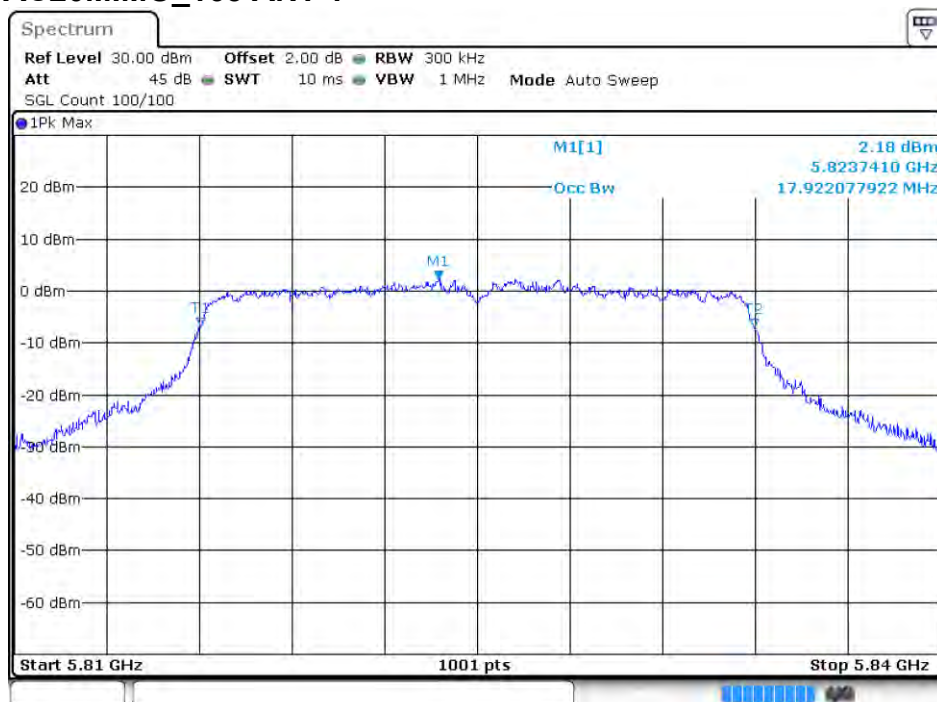


4.7.2.126 11AC20MIMO_149 ANT 2



Date: 3 JAN 2020 01:13:40

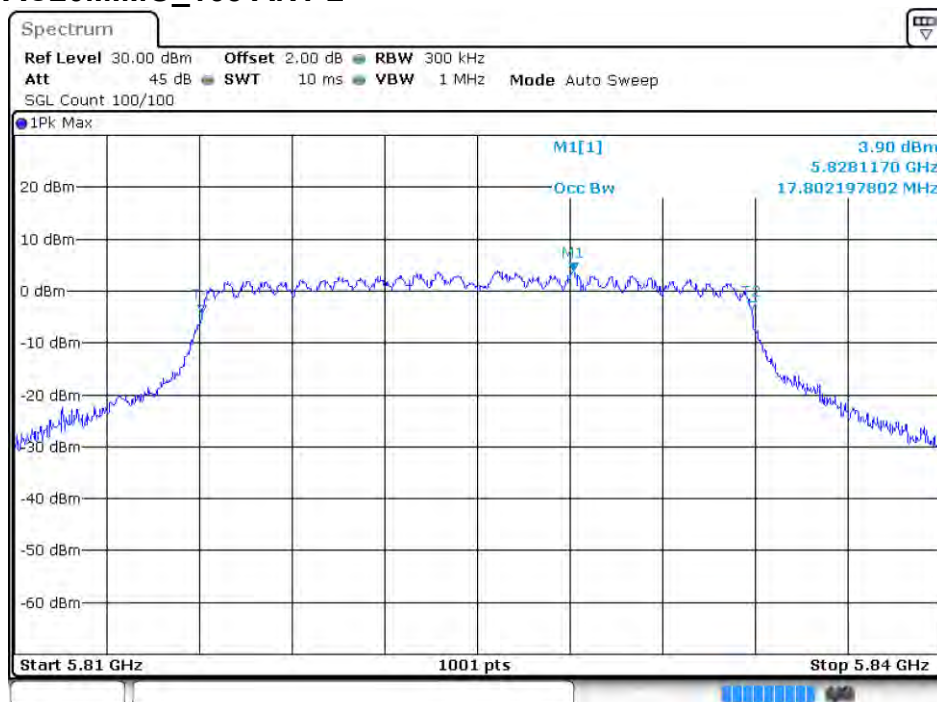
4.7.2.127 11AC20MIMO_165 ANT 1



Date: 1 JAN 2020 07:57:12

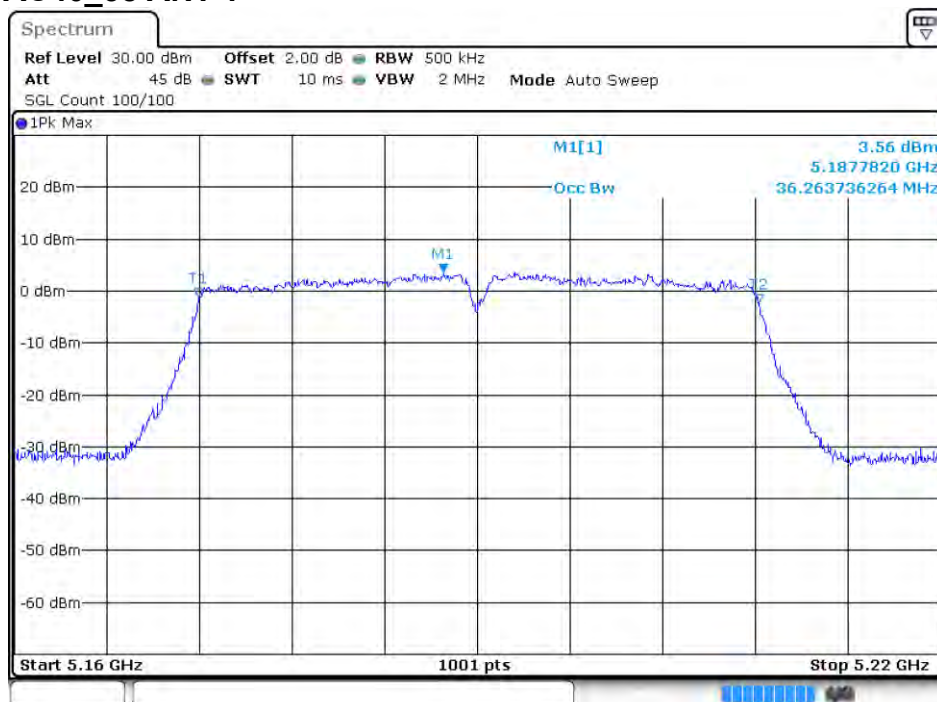


4.7.2.128 11AC20MIMO_165 ANT 2



Date: 3 JAN 2020 01:15:06

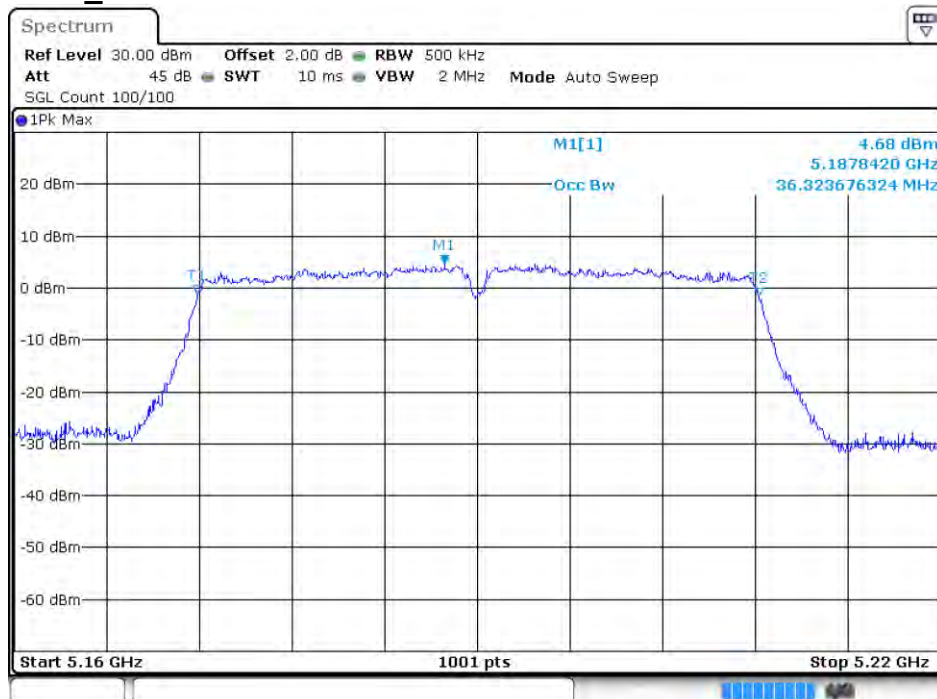
4.7.2.129 11AC40_38 ANT 1



Date: 1 JAN 2020 05:14:44

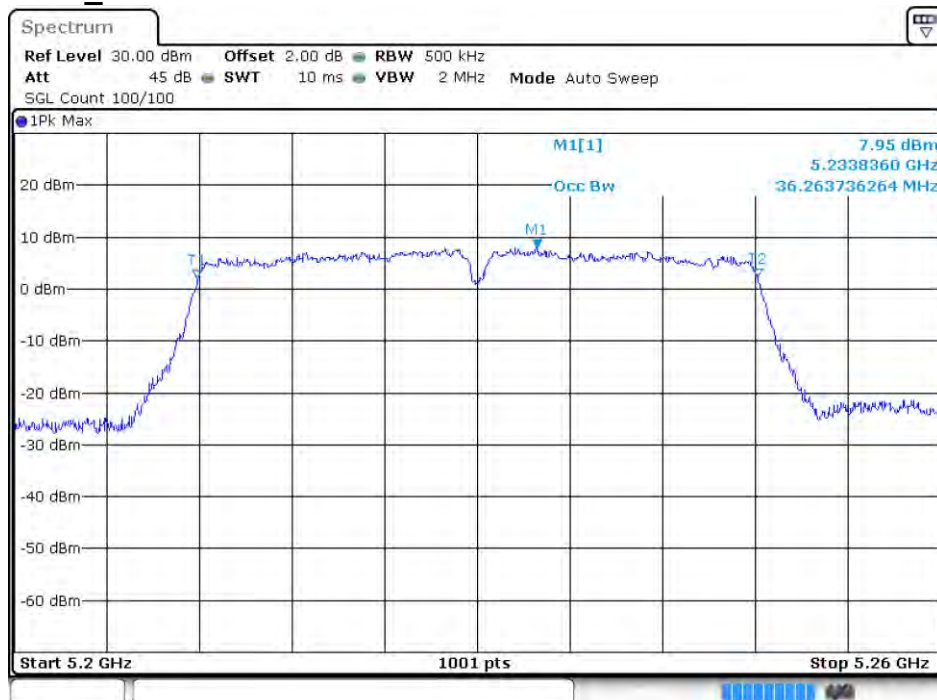


4.7.2.130 11AC40_38 ANT 2



Date: 1 JAN 2020 06:13:56

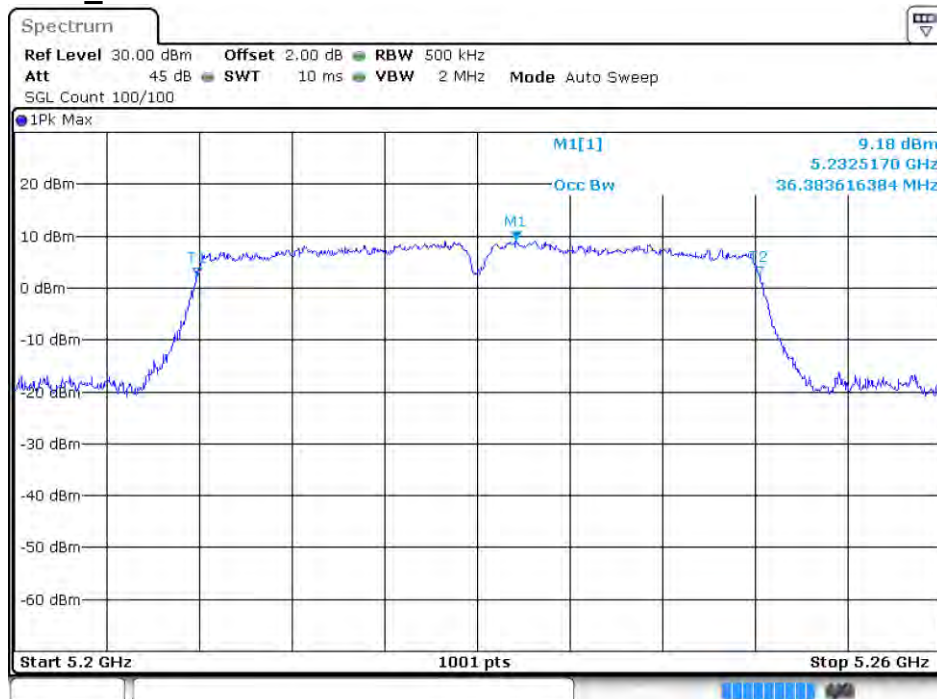
4.7.2.131 11AC40_46 ANT 1



Date: 1 JAN 2020 05:15:46

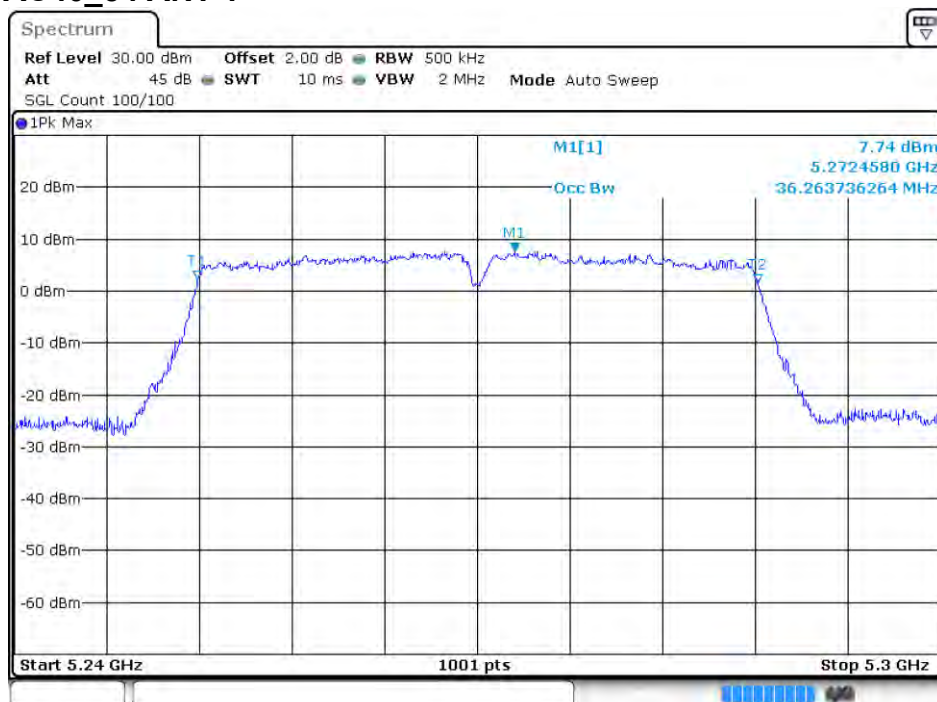


4.7.2.132 11AC40_46 ANT 2



Date: 1.JAN.2020 06:16:03

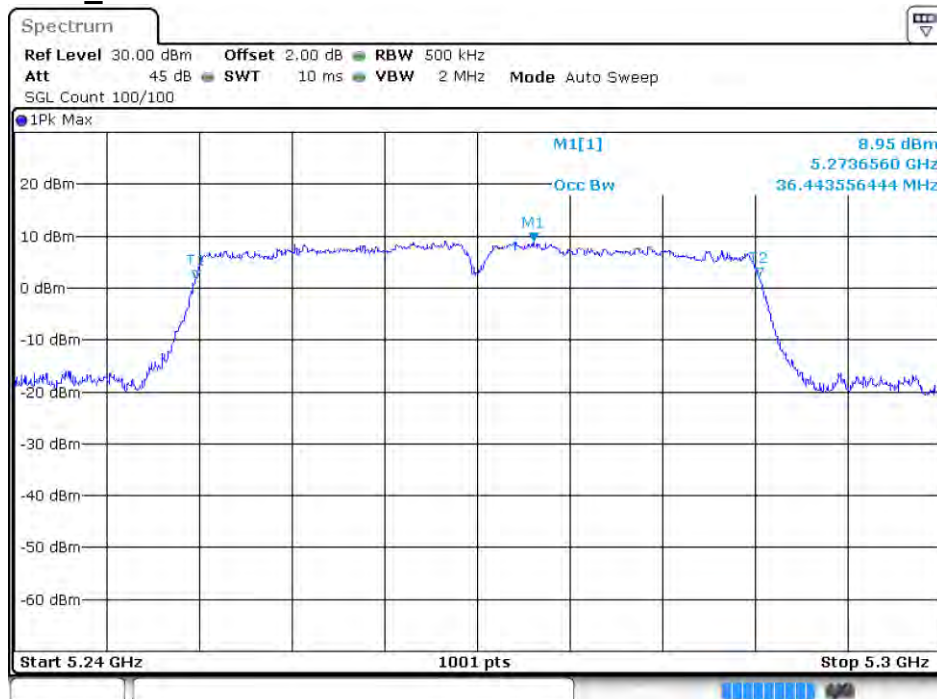
4.7.2.133 11AC40_54 ANT 1



Date: 1.JAN.2020 05:17:39

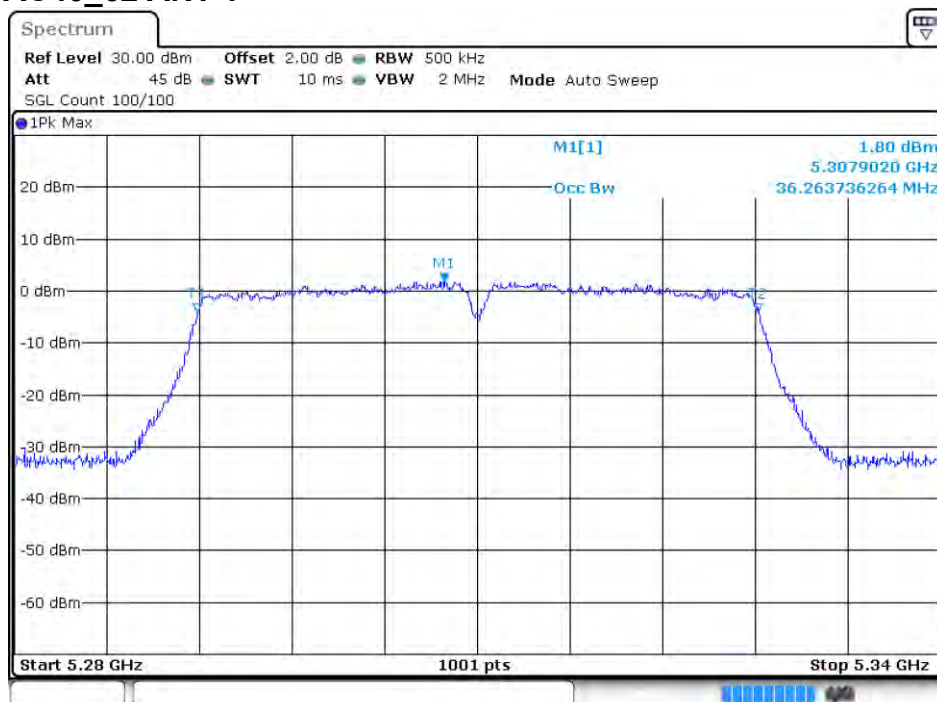


4.7.2.134 11AC40_54 ANT 2



Date: 1 JAN 2020 06:18:17

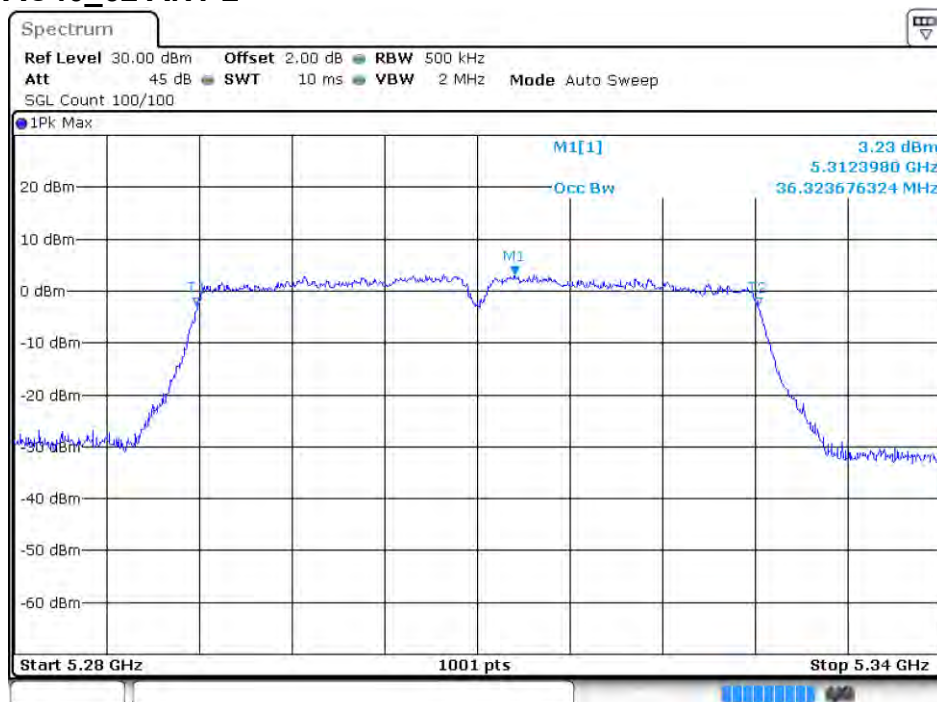
4.7.2.135 11AC40_62 ANT 1



Date: 1 JAN 2020 05:20:20

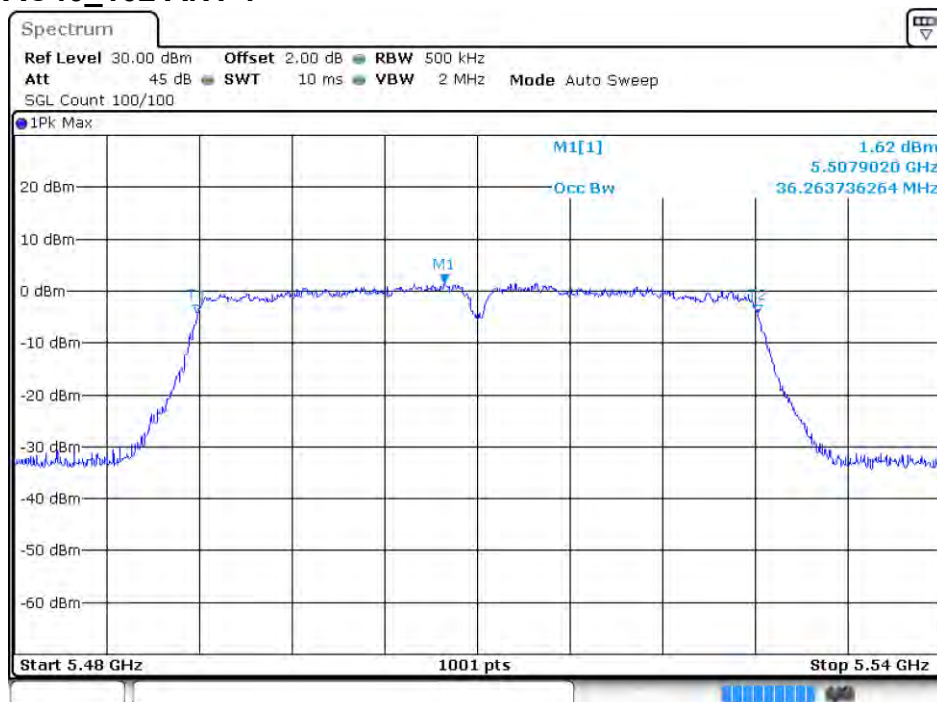


4.7.2.136 11AC40_62 ANT 2



Date: 1 JAN 2020 06:19:50

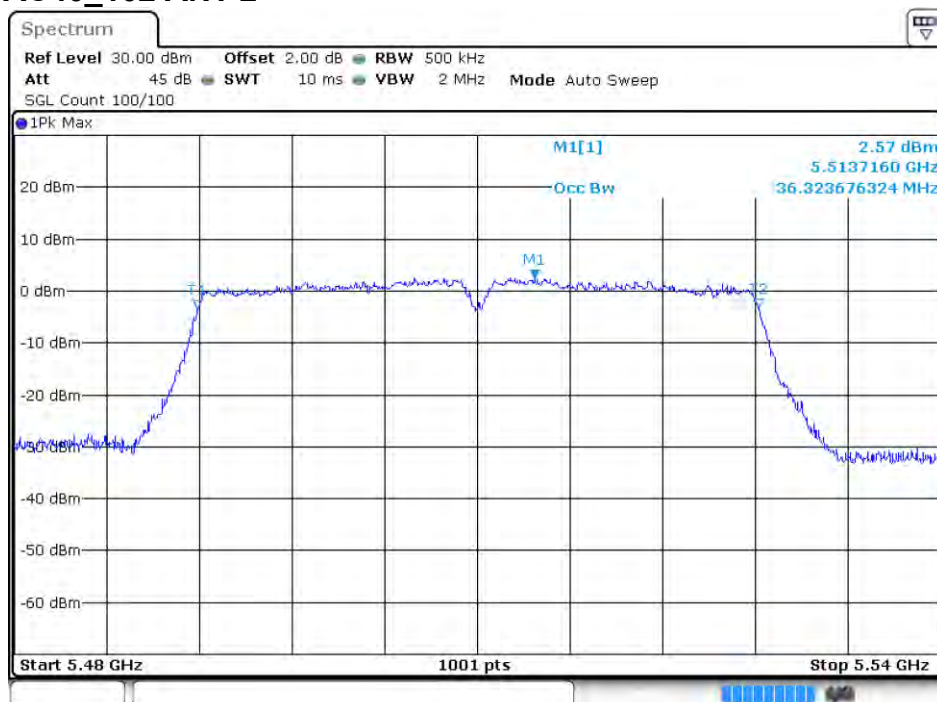
4.7.2.137 11AC40_102 ANT 1



Date: 1 JAN 2020 05:22:04

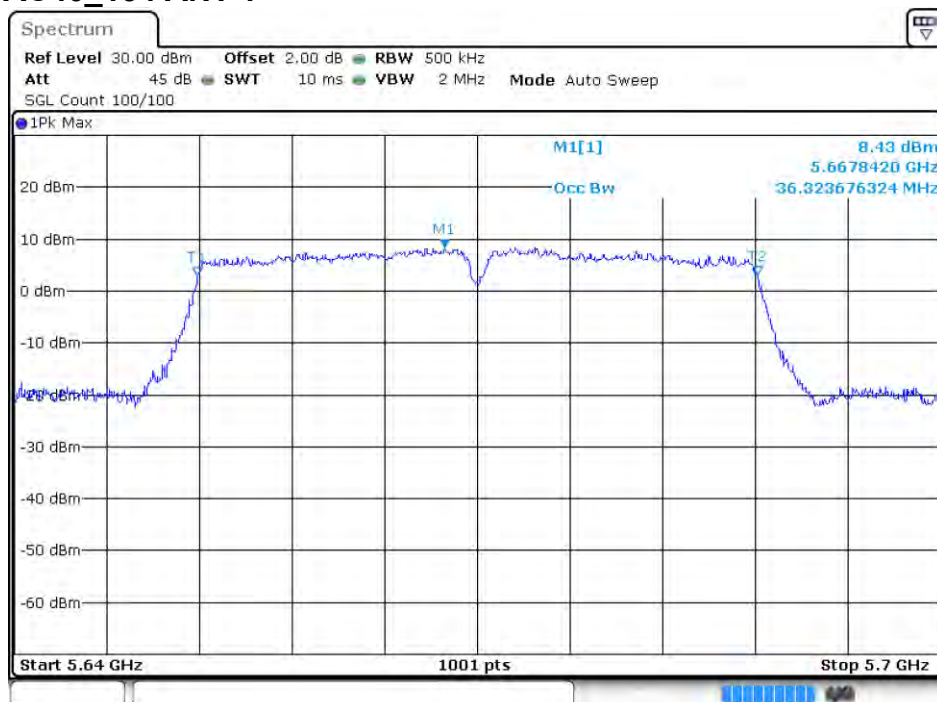


4.7.2.138 11AC40_102 ANT 2



Date: 1 JAN 2020 06:22:07

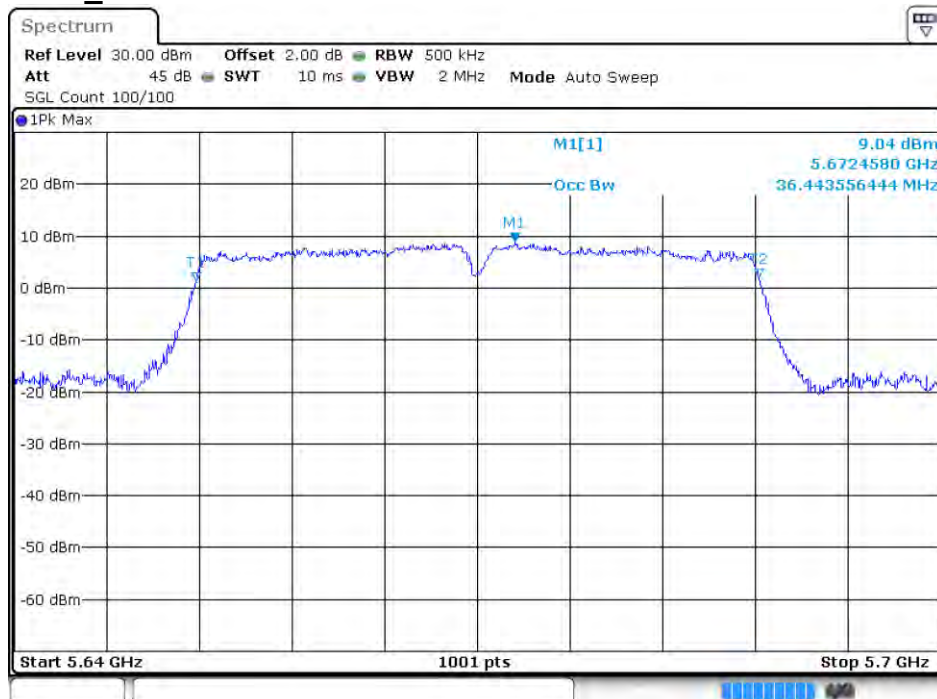
4.7.2.139 11AC40_134 ANT 1



Date: 1 JAN 2020 05:23:21



4.7.2.140 11AC40_134 ANT 2



Date: 1 JAN 2020 06:23:30

4.7.2.141 11AC40_151 ANT 1



Date: 1 JAN 2020 05:25:21



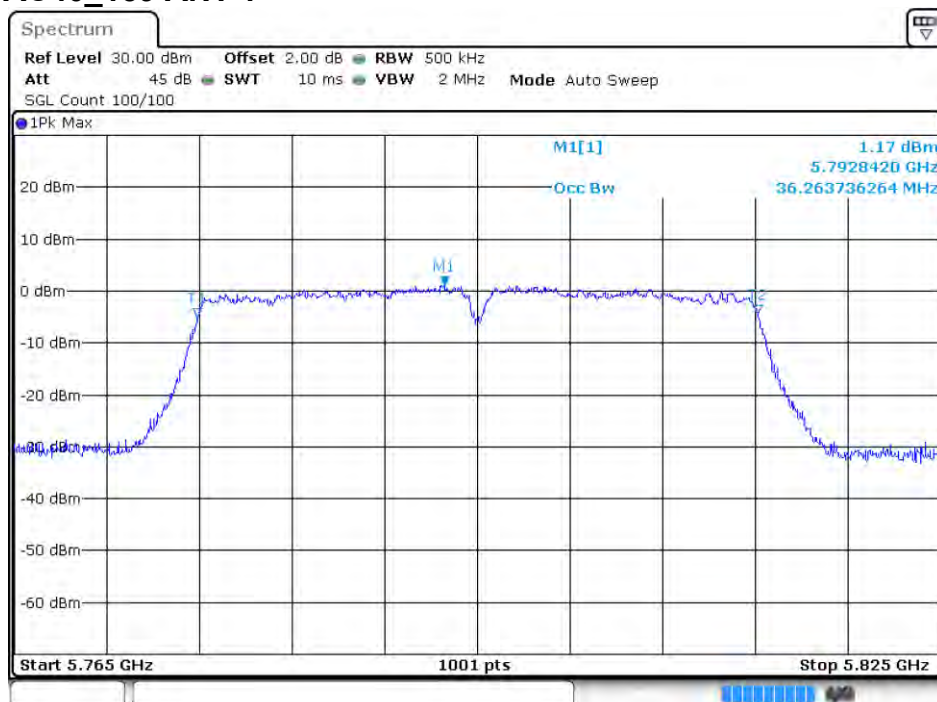


4.7.2.142 11AC40_151 ANT 2



Date: 1 JAN 2020 06:25:14

4.7.2.143 11AC40_159 ANT 1

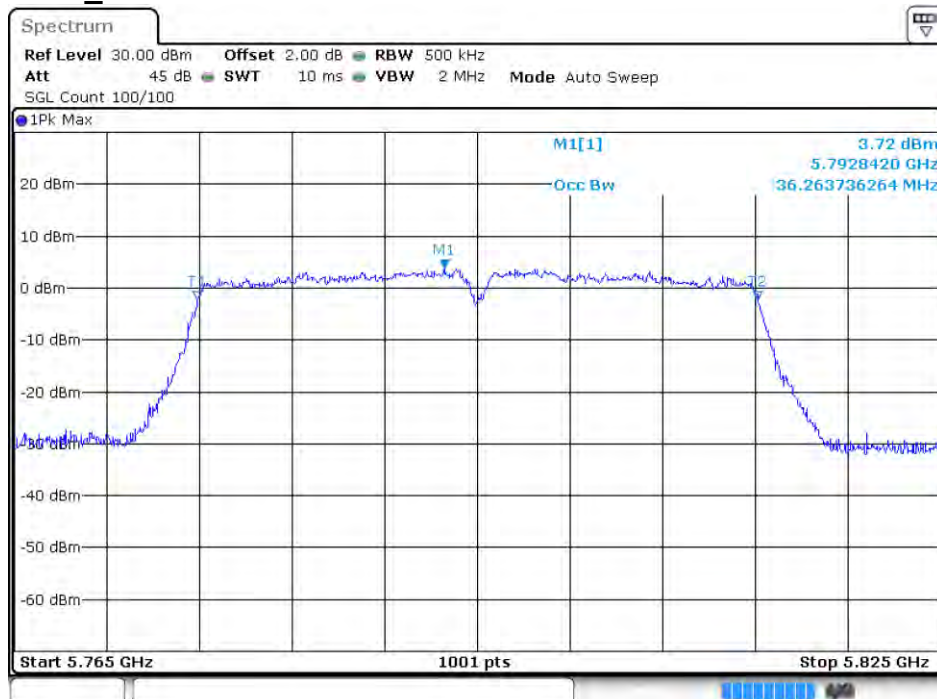


Date: 1 JAN 2020 05:26:14



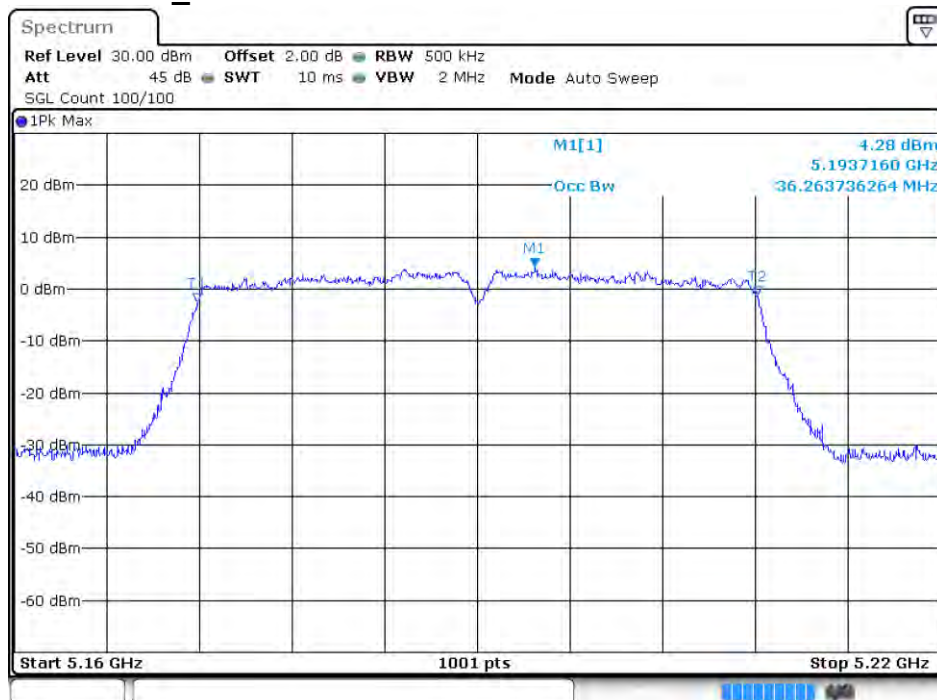


4.7.2.144 11AC40_159 ANT 2



Date: 1 JAN 2020 06:26:13

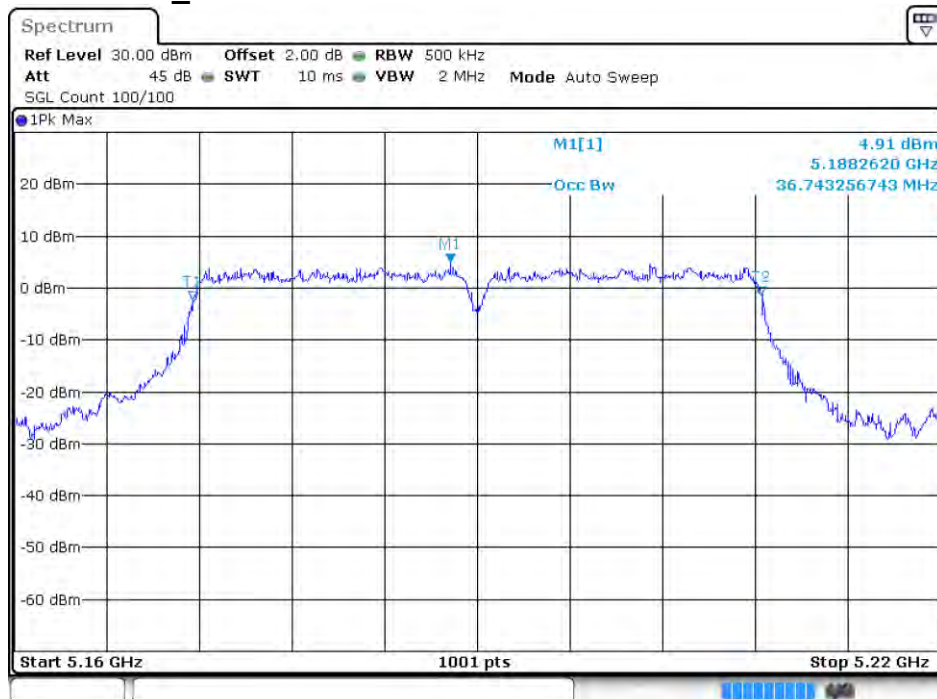
4.7.2.145 11AC40MIMO_38 ANT 1



Date: 3 JAN 2020 02:50:07

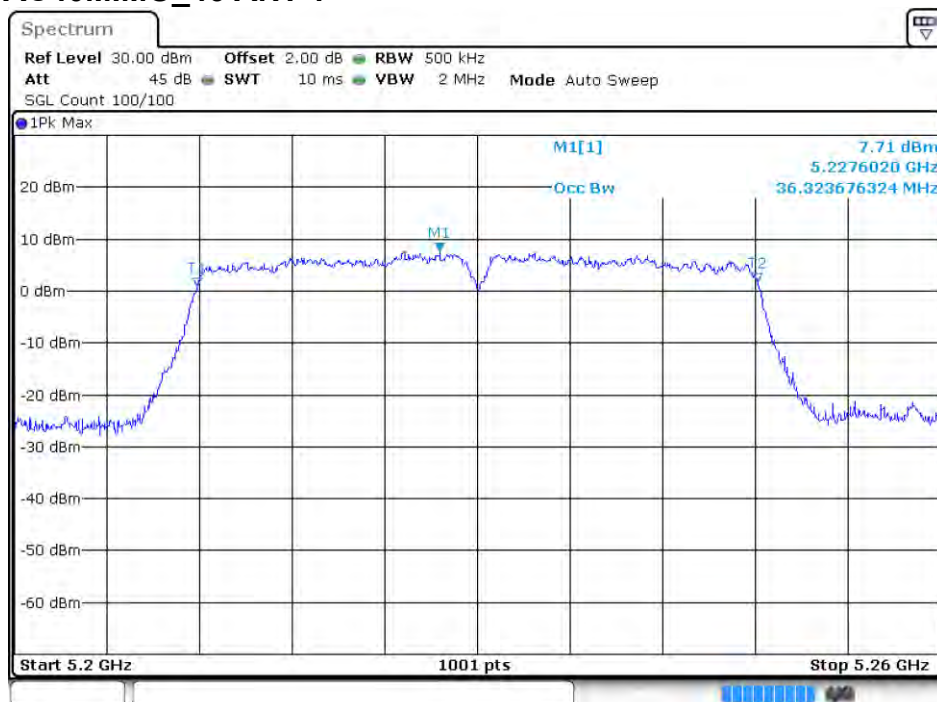


4.7.2.146 11AC40MIMO_38 ANT 2



Date: 3 JAN 2020 01:42:51

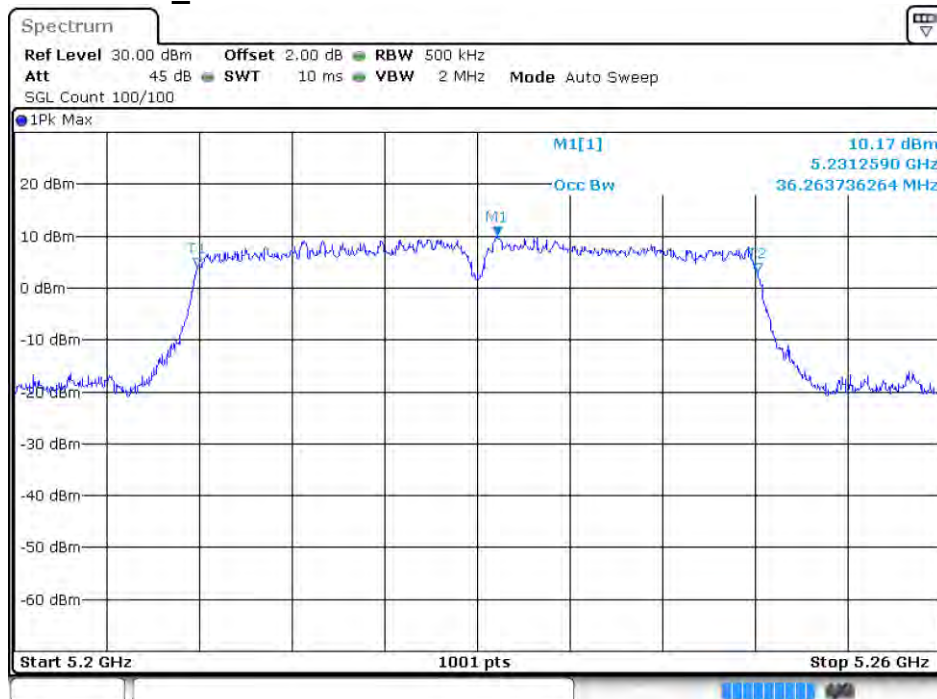
4.7.2.147 11AC40MIMO_46 ANT 1



Date: 3 JAN 2020 02:52:09

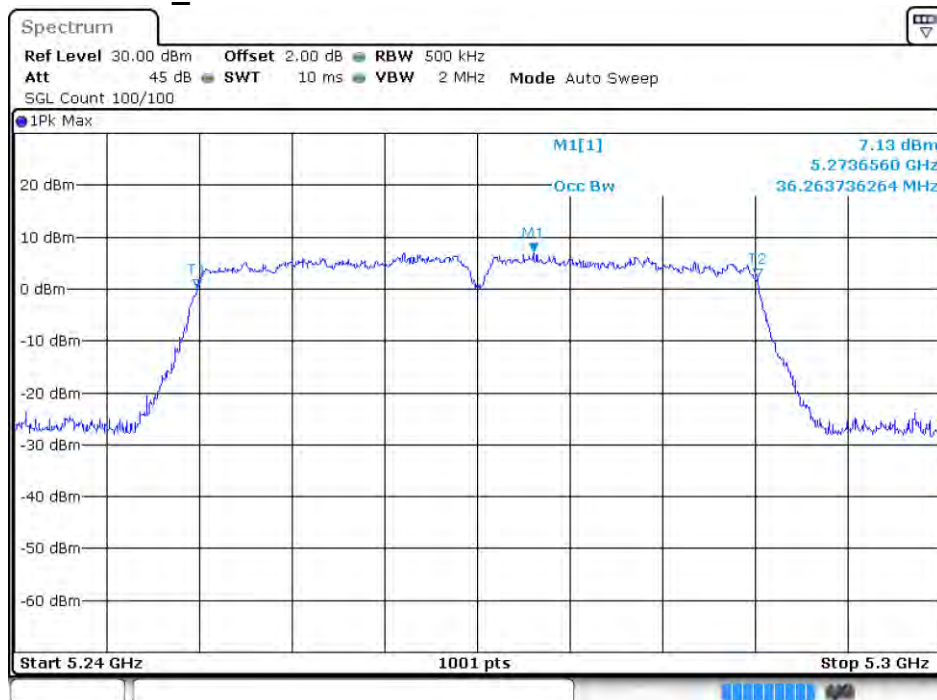


4.7.2.148 11AC40MIMO_46 ANT 2



Date: 3 JAN 2020 01:52:21

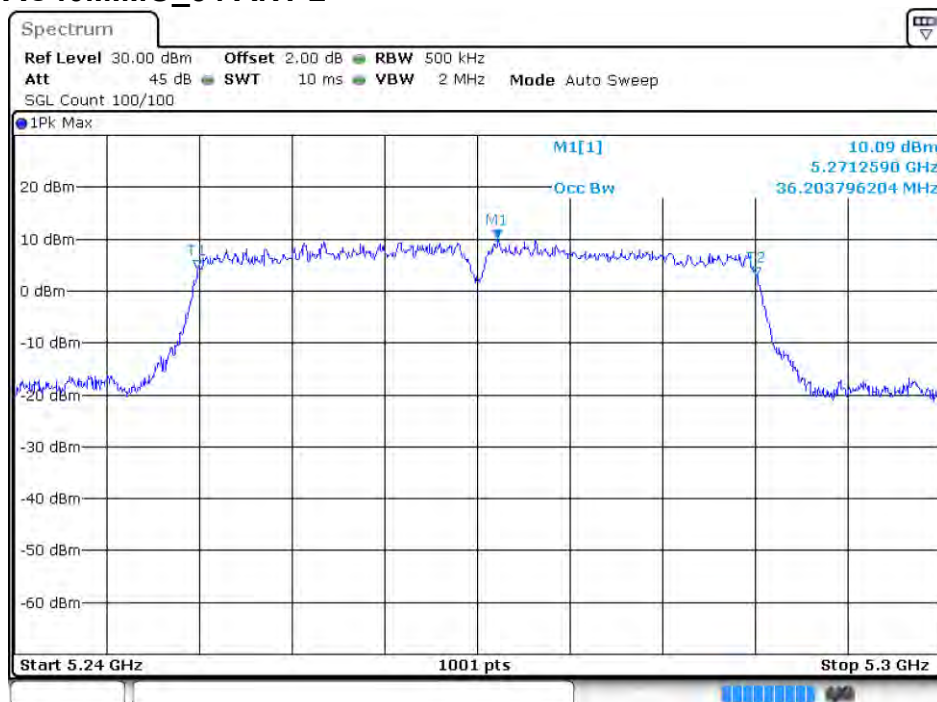
4.7.2.149 11AC40MIMO_54 ANT 1



Date: 3 JAN 2020 02:53:48

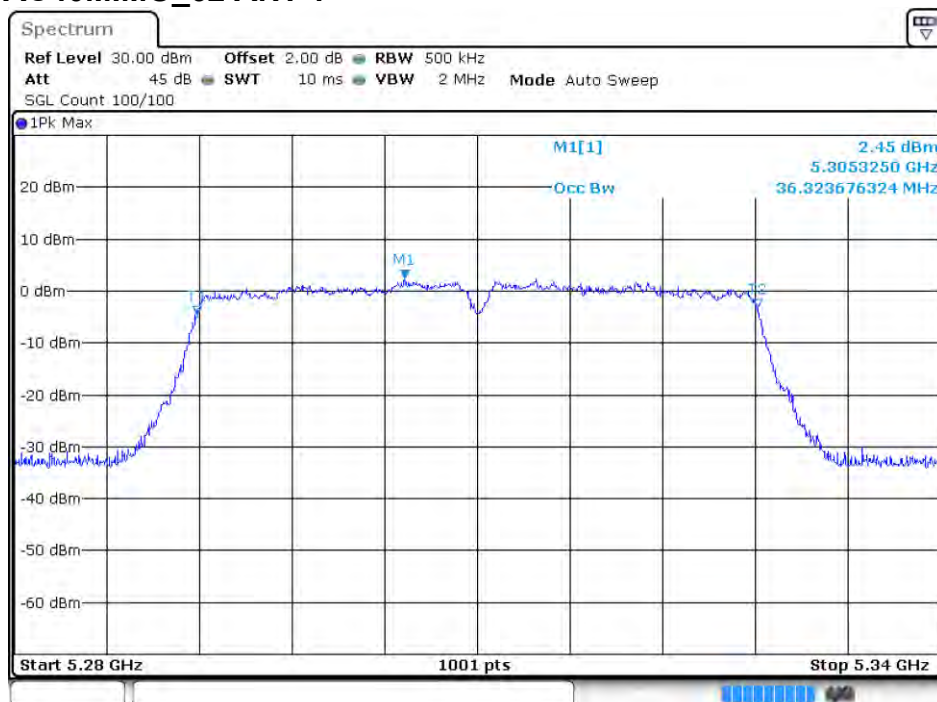


4.7.2.150 11AC40MIMO_54 ANT 2



Date: 3 JAN 2020 01:53:22

4.7.2.151 11AC40MIMO_62 ANT 1

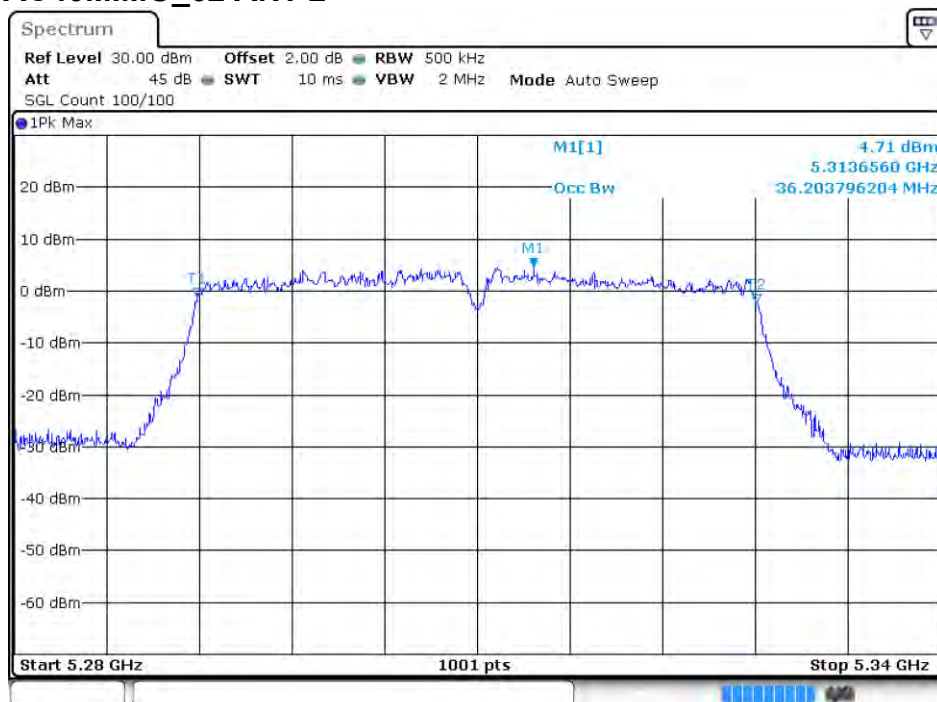


Date: 3 JAN 2020 02:55:45



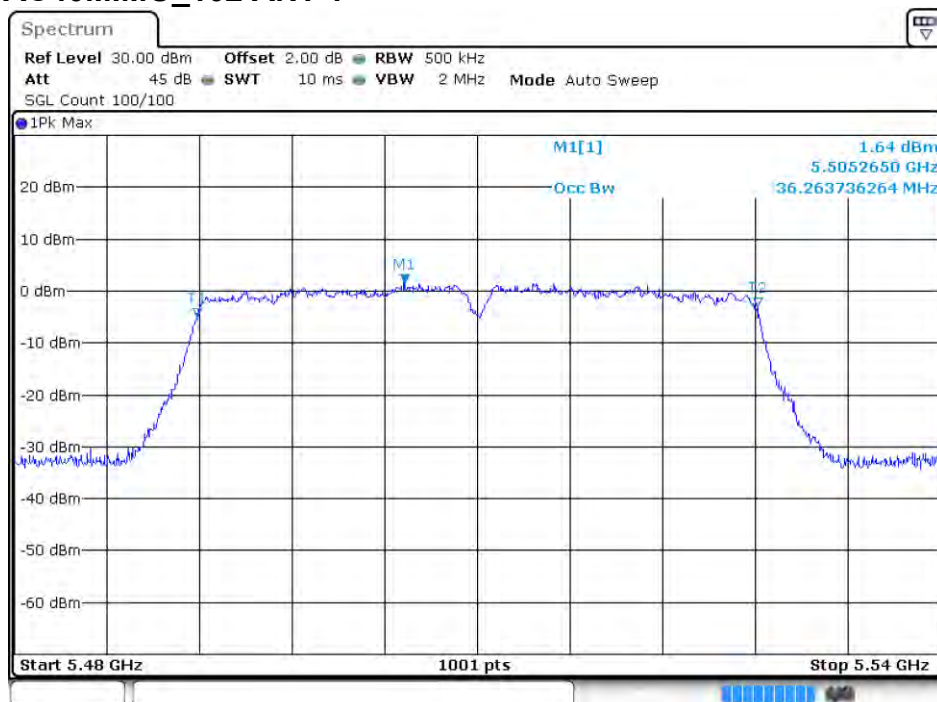


4.7.2.152 11AC40MIMO_62 ANT 2



Date: 3 JAN 2020 01:54:27

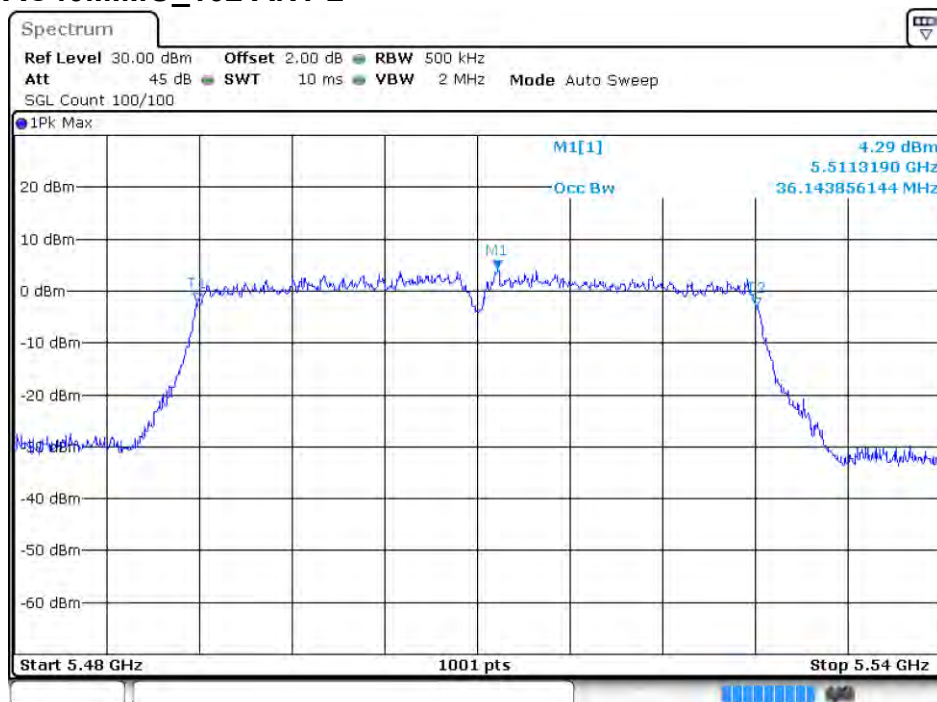
4.7.2.153 11AC40MIMO_102 ANT 1



Date: 3 JAN 2020 02:57:40

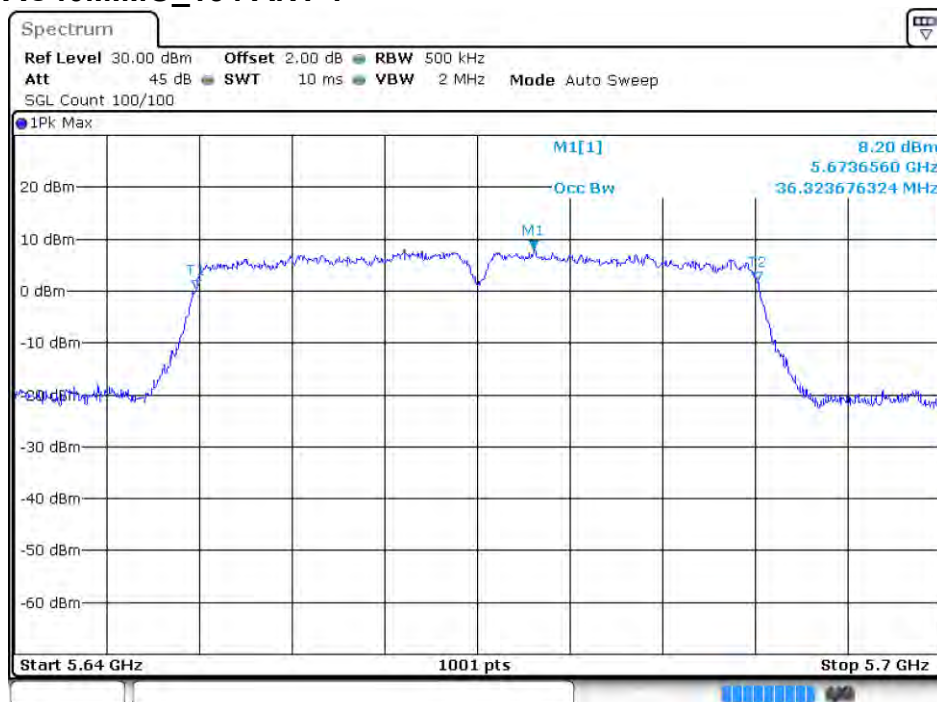


4.7.2.154 11AC40MIMO_102 ANT 2



Date: 3 JAN 2020 01:59:36

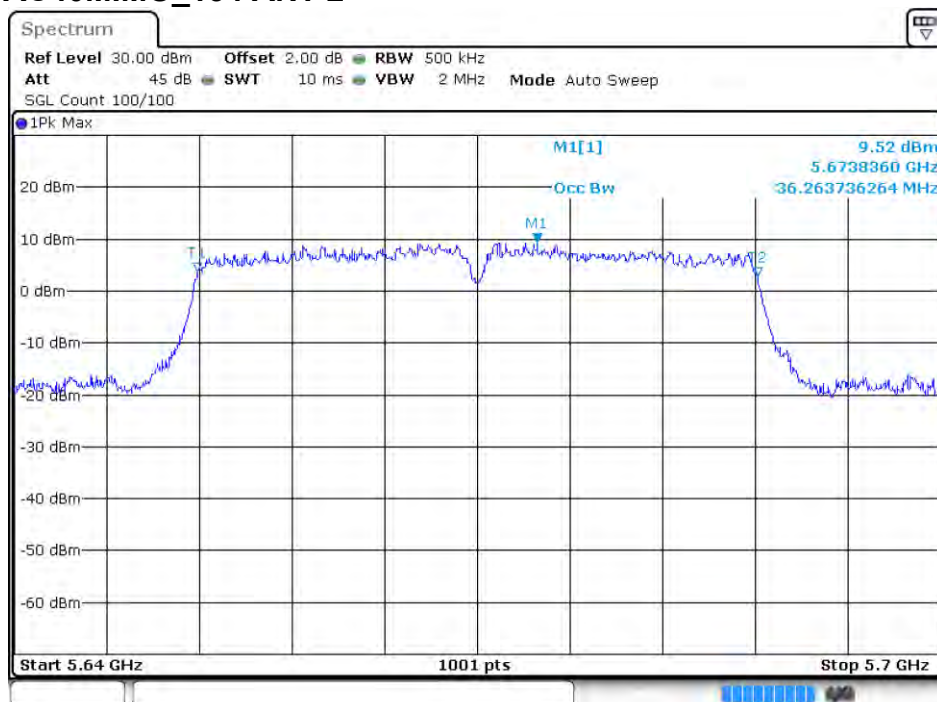
4.7.2.155 11AC40MIMO_134 ANT 1



Date: 3 JAN 2020 03:00:19



4.7.2.156 11AC40MIMO_134 ANT 2



Date: 3 JAN 2020 02:00:46

4.7.2.157 11AC40MIMO_151 ANT 1

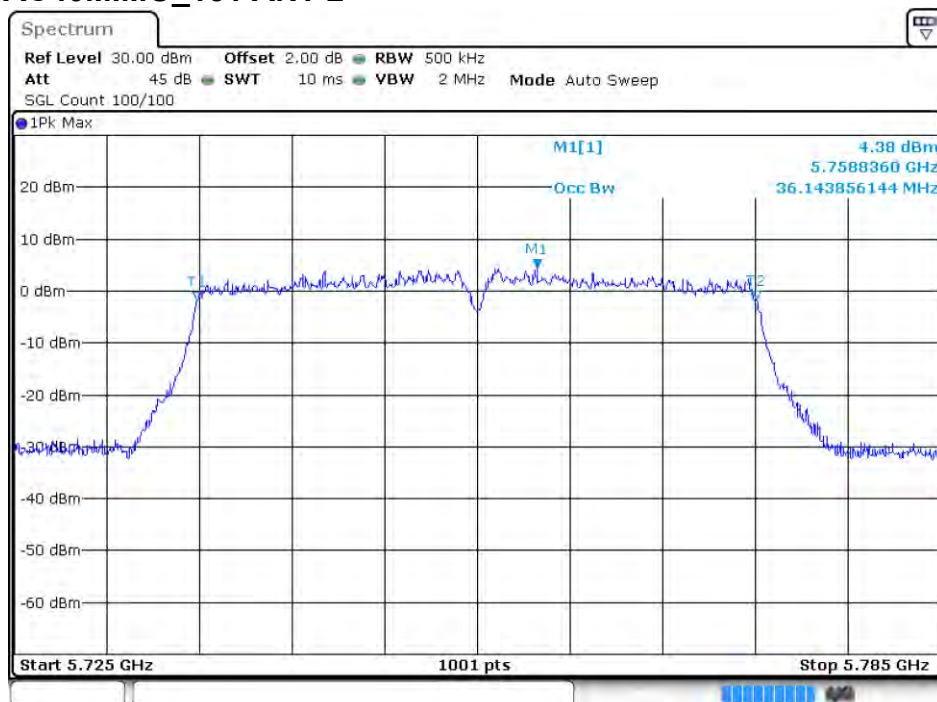


Date: 3 JAN 2020 03:33:09



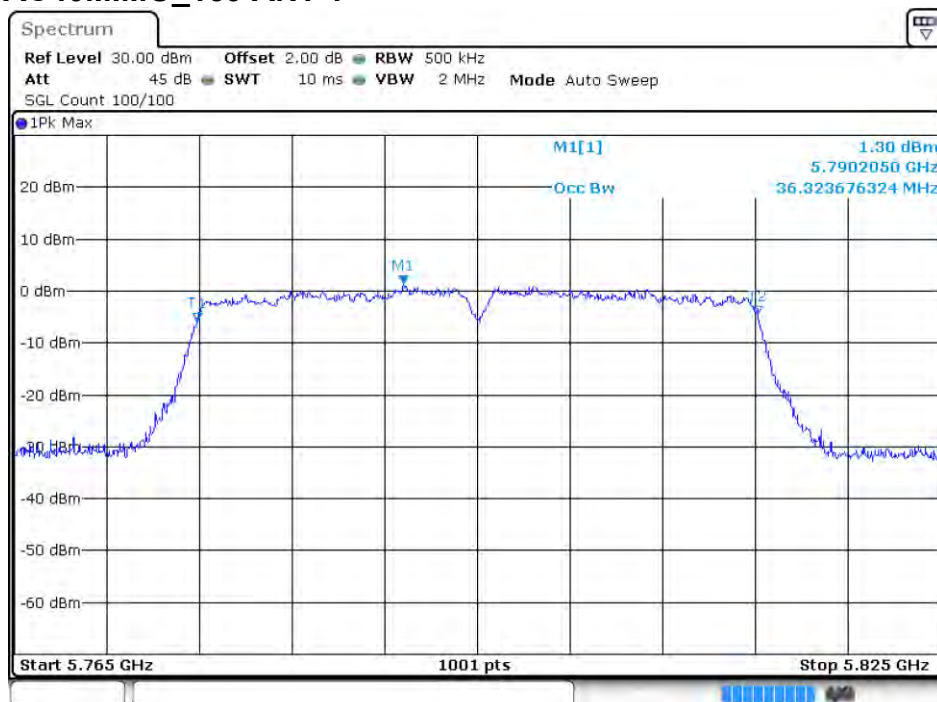


4.7.2.158 11AC40MIMO_151 ANT 2



Date: 3 JAN 2020 02:02:33

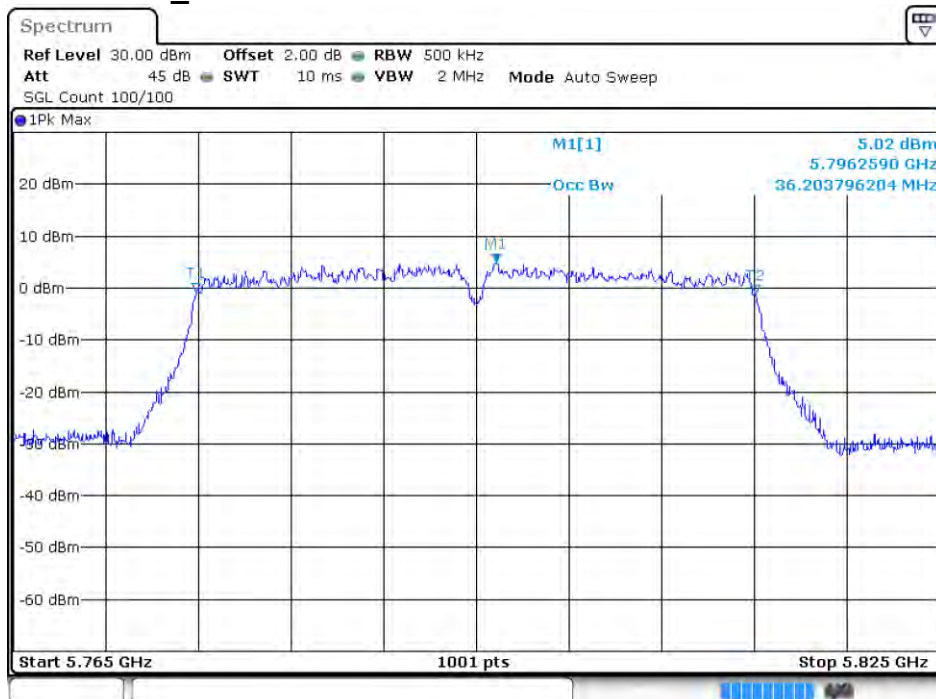
4.7.2.159 11AC40MIMO_159 ANT 1



Date: 3 JAN 2020 03:34:15

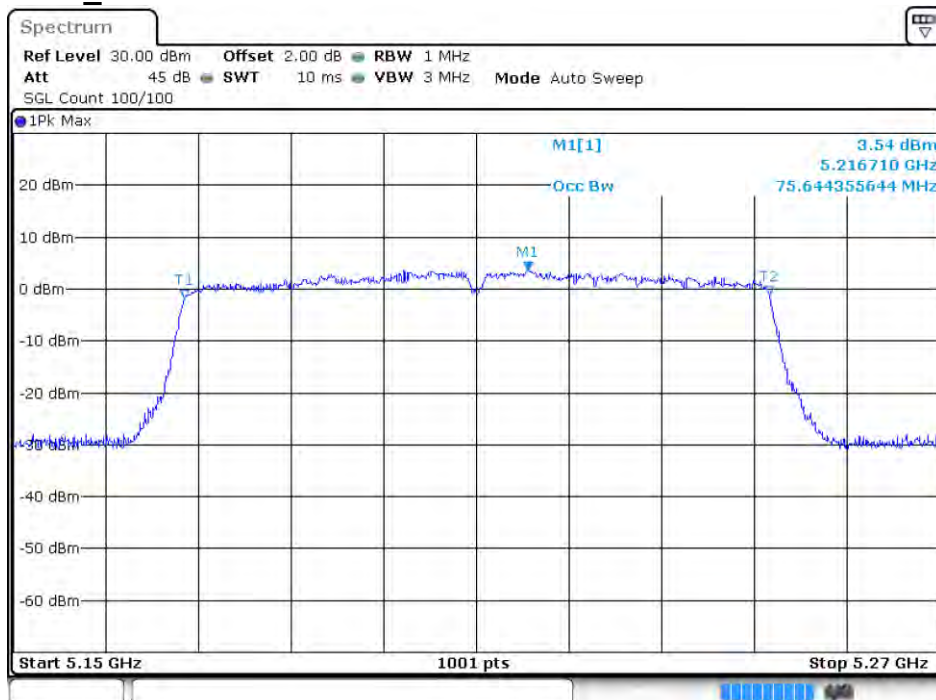


4.7.2.160 11AC40MIMO_159 ANT 2



Date: 3 JAN 2020 02:03:42

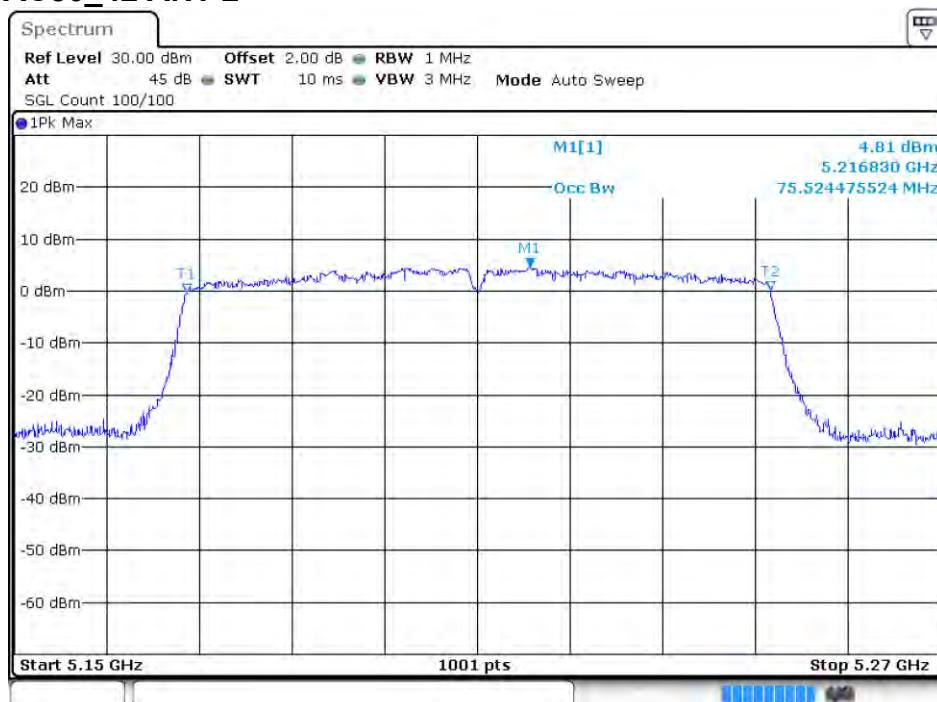
4.7.2.161 11AC80_42 ANT 1



Date: 1 JAN 2020 05:31:34

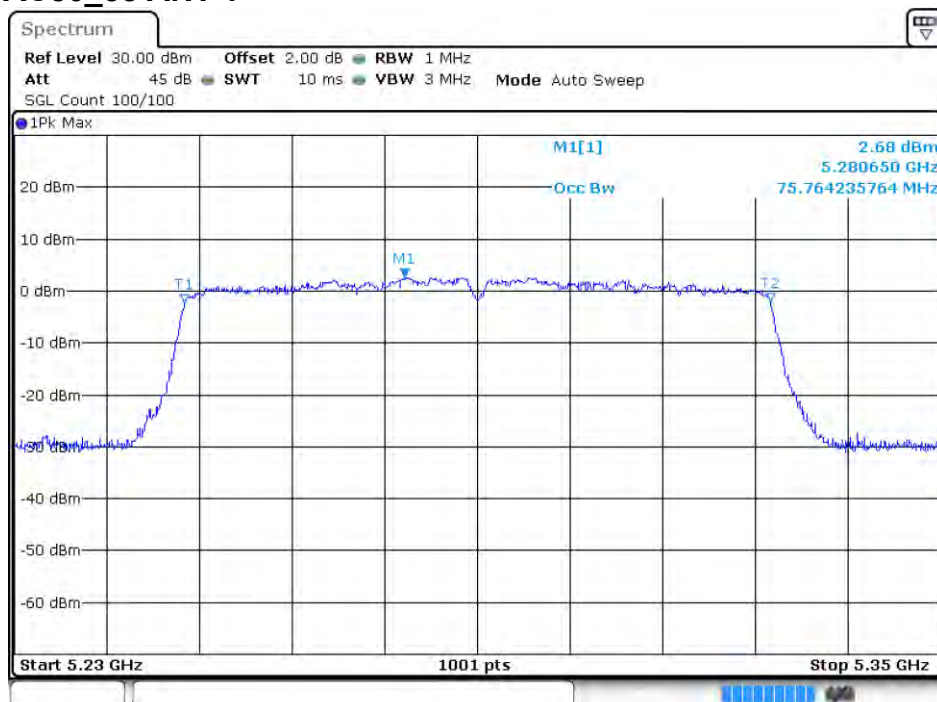


4.7.2.162 11AC80_42 ANT 2



Date: 1 JAN 2020 06:38:31

4.7.2.163 11AC80_58 ANT 1



Date: 1 JAN 2020 05:32:52

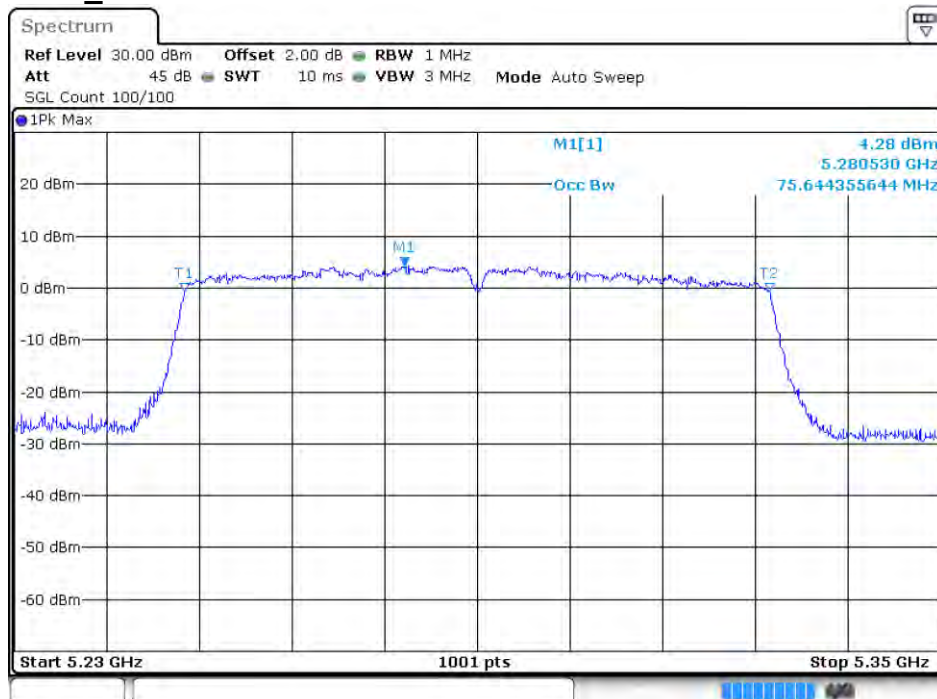


SGS-CSTC Standards Technical Services Co., Ltd.
 Inspection & Testing Services
 Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

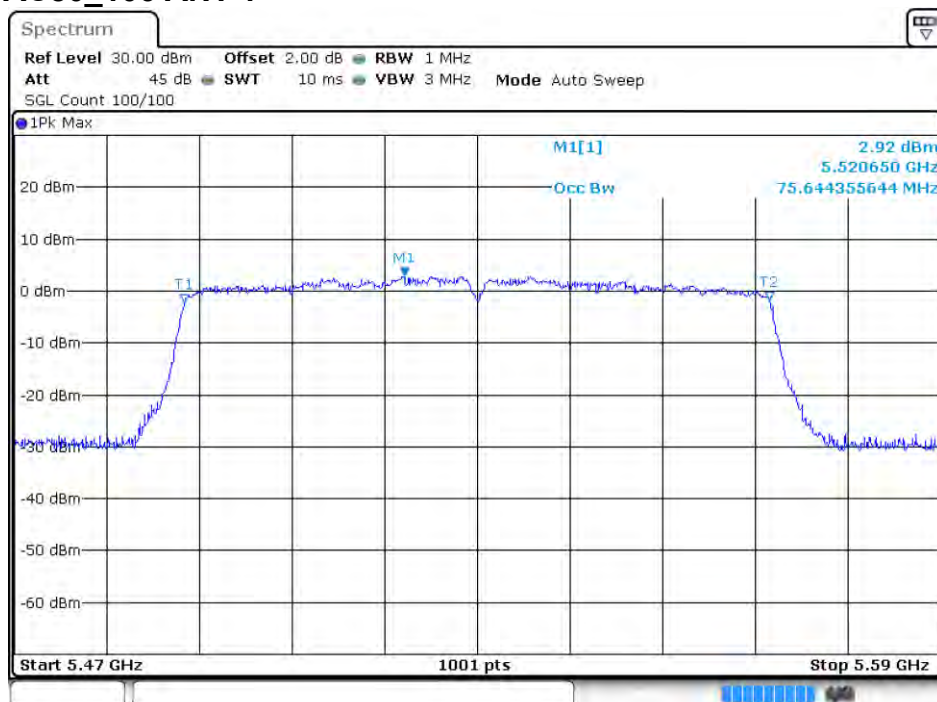
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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

4.7.2.164 11AC80_58 ANT 2



Date: 1 JAN 2020 06:40:29

4.7.2.165 11AC80_106 ANT 1



Date: 1 JAN 2020 05:35:00

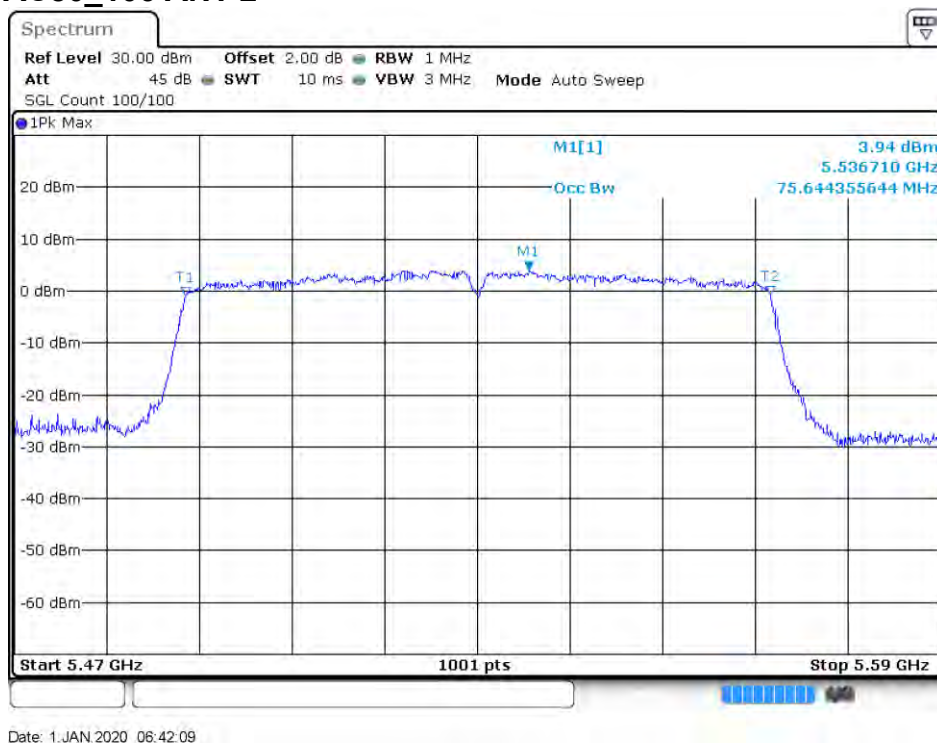


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

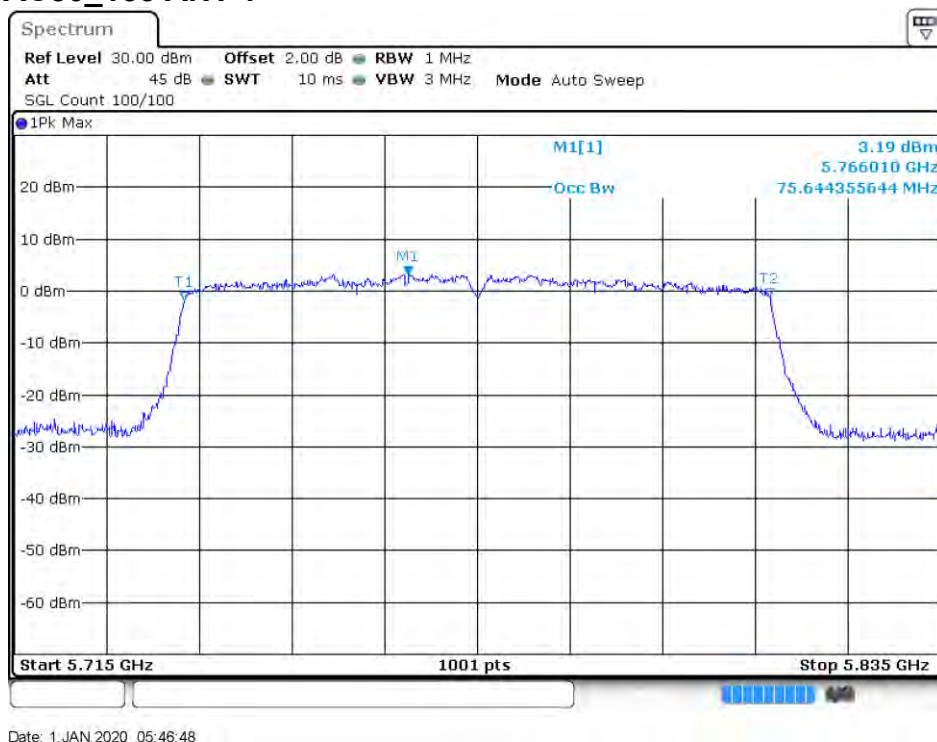
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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

4.7.2.166 11AC80 106 ANT 2



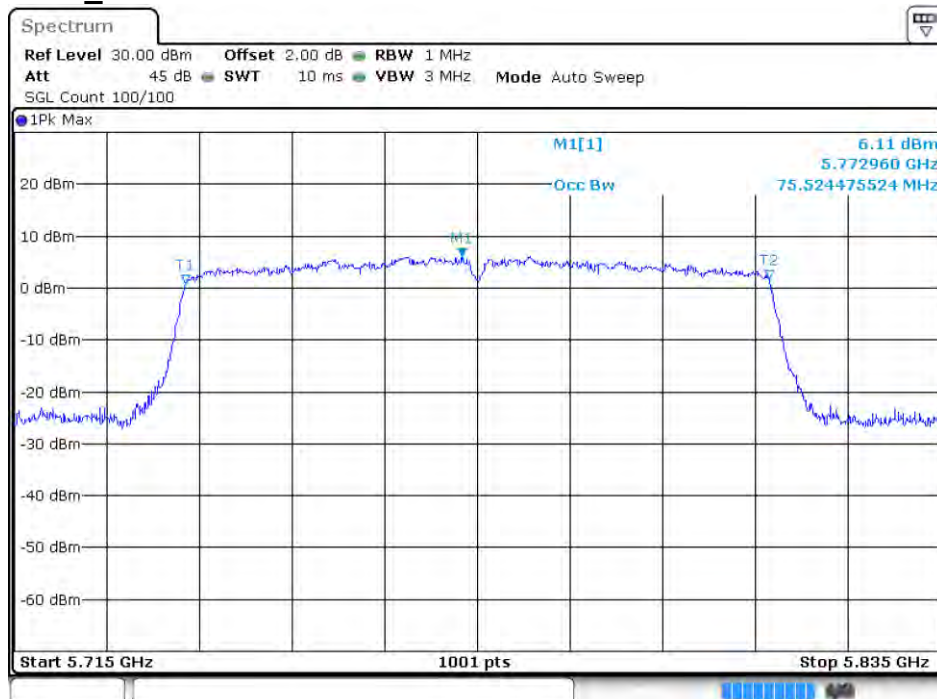
4.7.2.167 11AC80 155 ANT 1



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is deemed to have accepted the Terms and Conditions of the document and the Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is strictly prohibited and may result in severe civil and criminal penalties. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

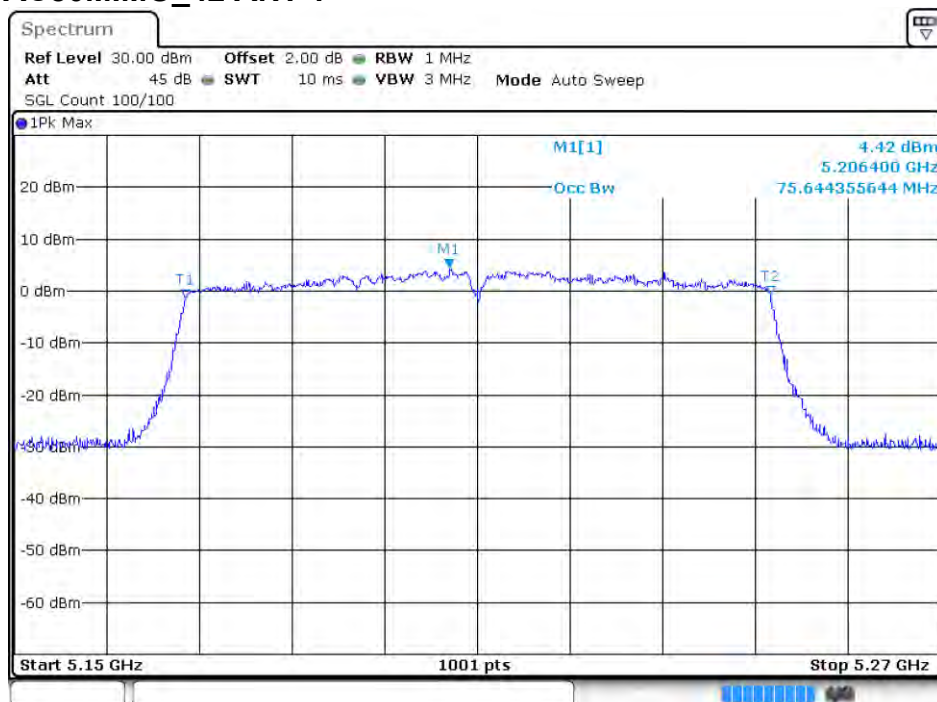
Results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doecheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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

4.7.2.168 11AC80_155 ANT 2



Date: 1 JAN 2020 06:44:48

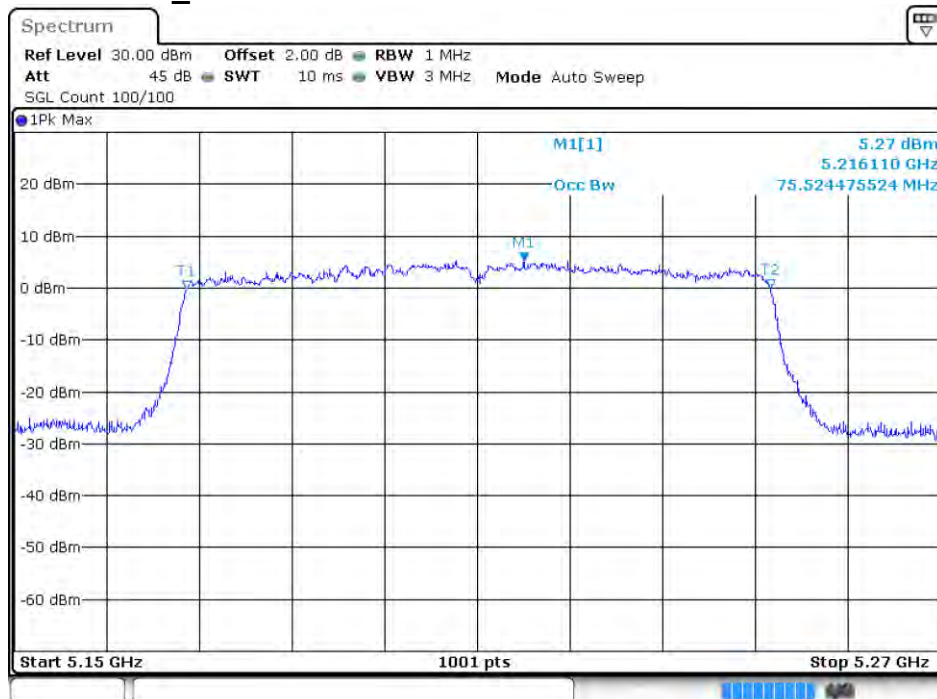
4.7.2.169 11AC80MIMO_42 ANT 1



Date: 3 JAN 2020 03:41:17

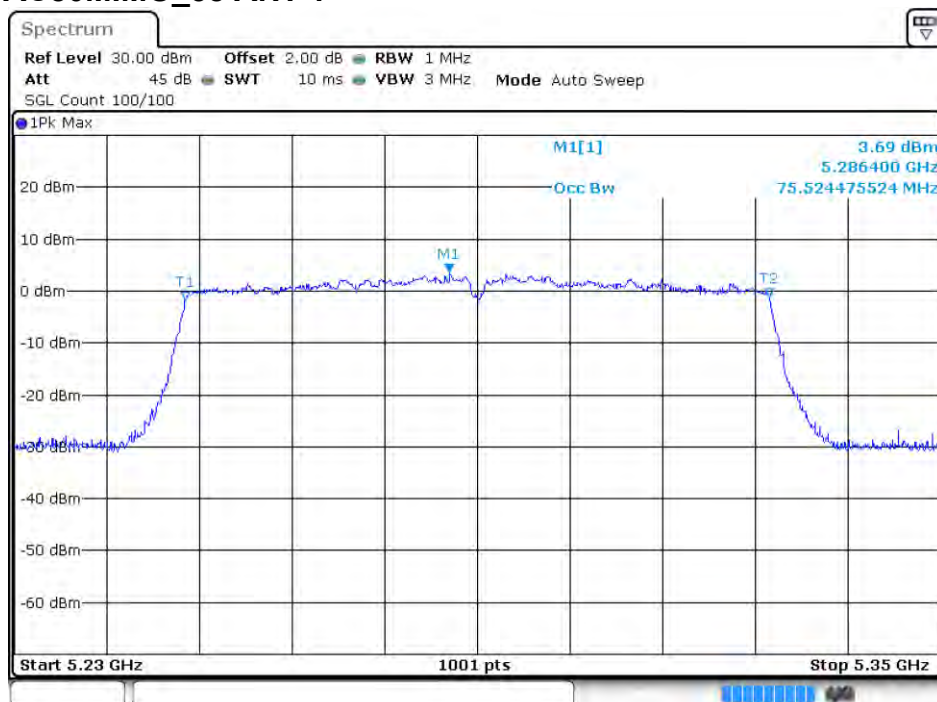


4.7.2.170 11AC80MIMO_42 ANT 2



Date: 3 JAN 2020 02:06:21

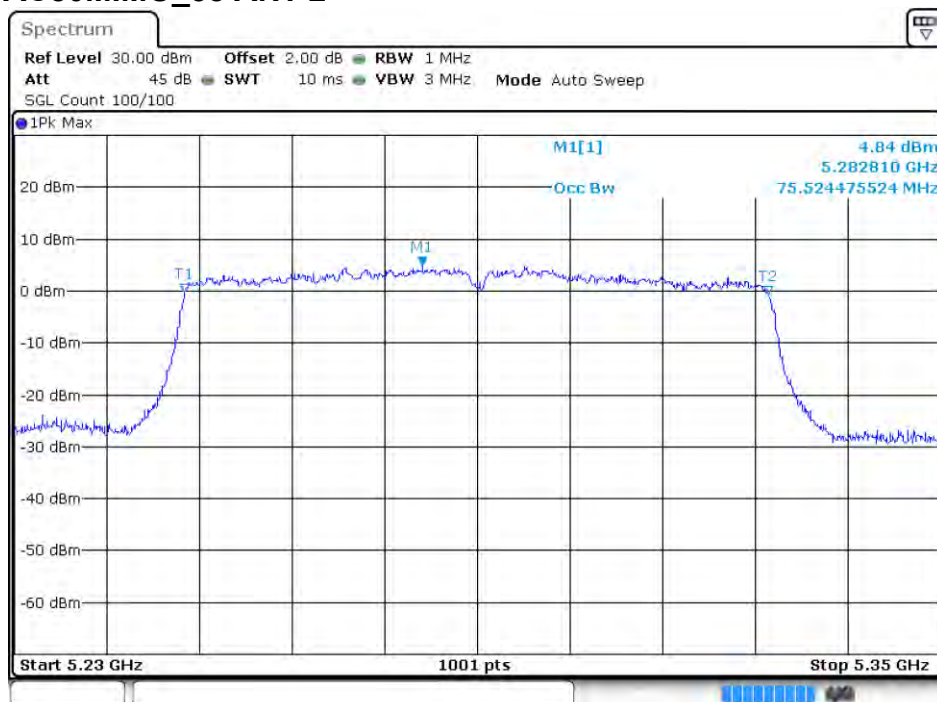
4.7.2.171 11AC80MIMO_58 ANT 1



Date: 3 JAN 2020 03:42:30

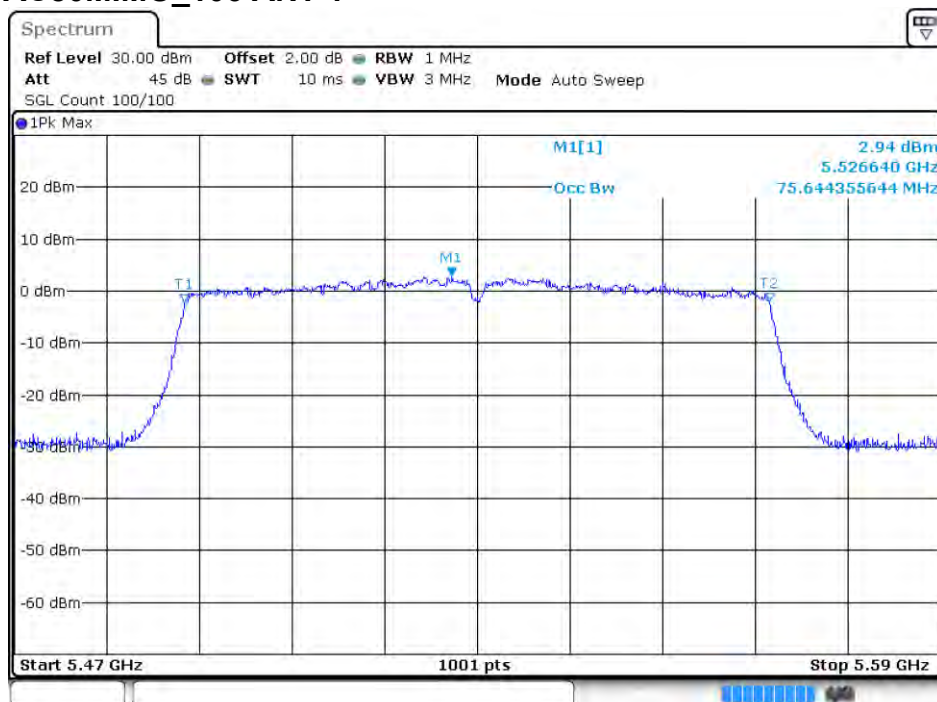


4.7.2.172 11AC80MIMO_58 ANT 2



Date: 3 JAN 2020 02:07:45

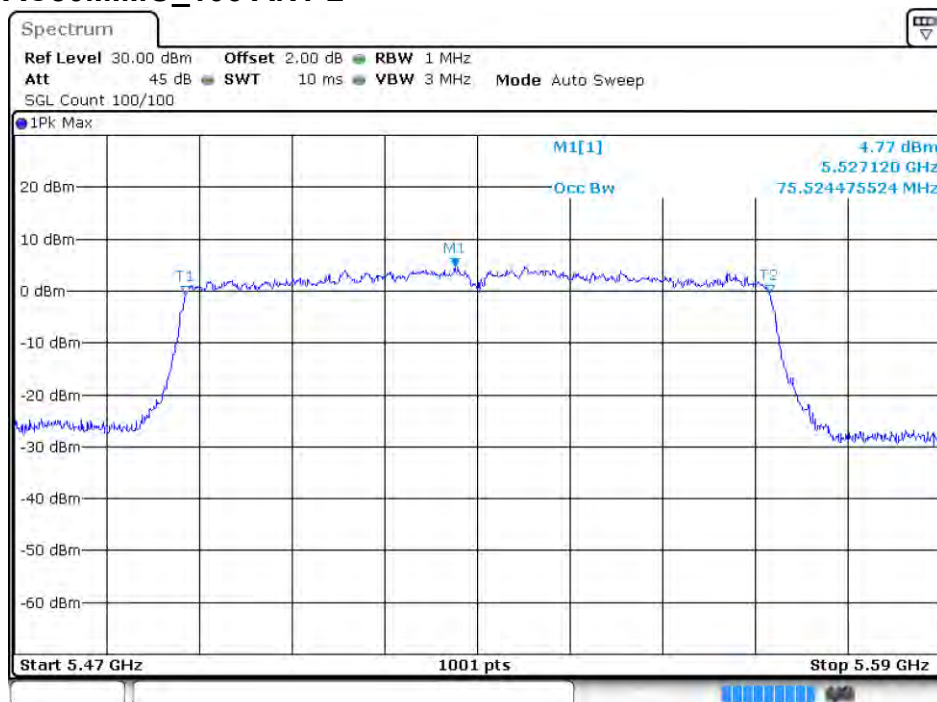
4.7.2.173 11AC80MIMO_106 ANT 1



Date: 3 JAN 2020 03:43:52

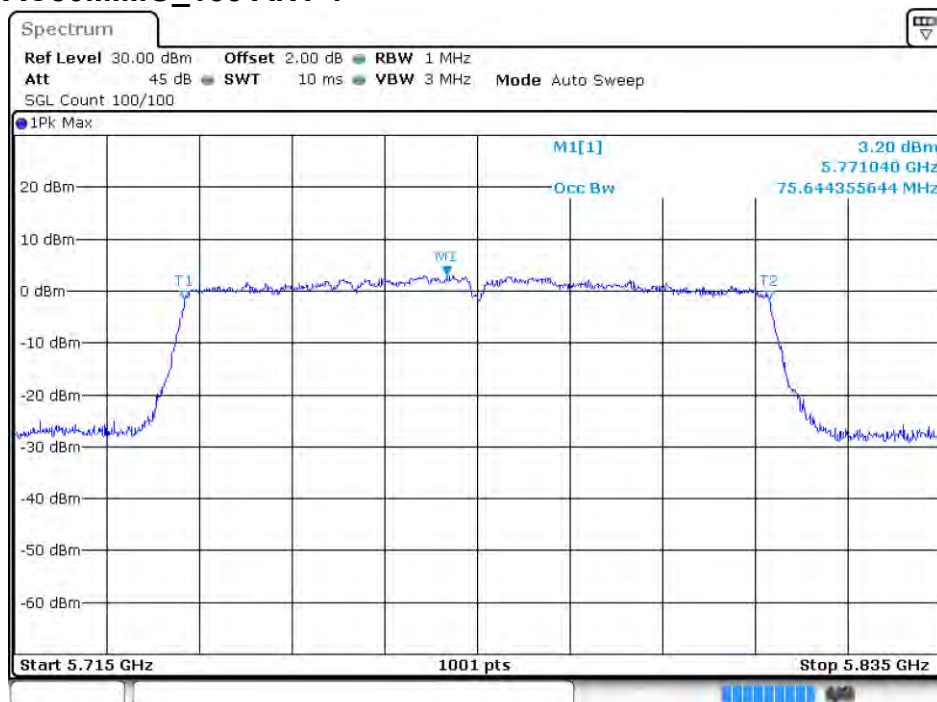


4.7.2.174 11AC80MIMO_106 ANT 2



Date: 3 JAN 2020 02:09:44

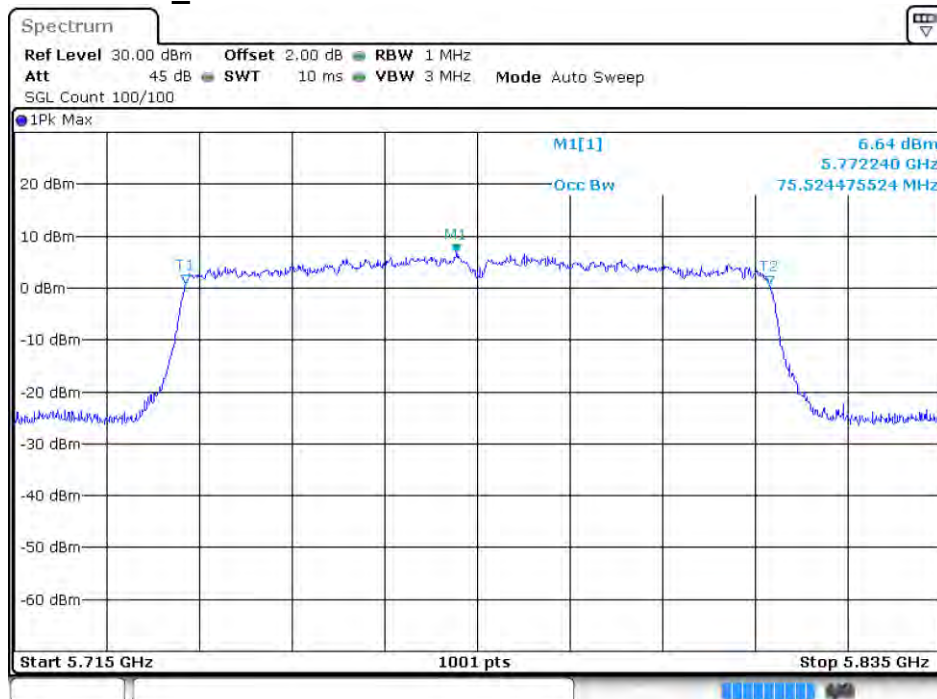
4.7.2.175 11AC80MIMO_155 ANT 1



Date: 3 JAN 2020 03:45:46



4.7.2.176 11AC80MIMO_155 ANT 2

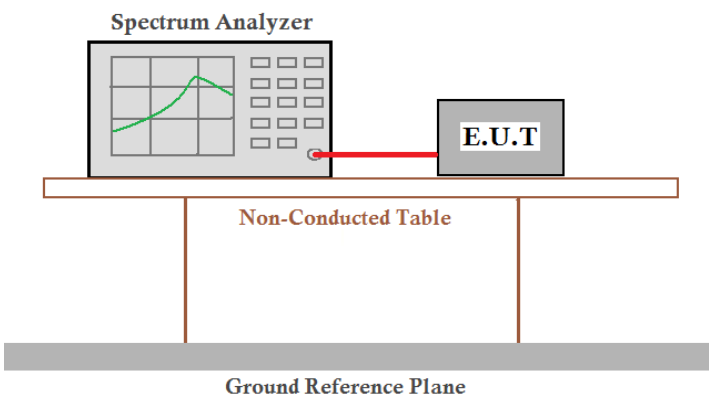


Date: 3 JAN 2020 02:31:31





4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
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); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than <30dBm/500KHz
Test Results:	Pass	





4.8.1 Test Results For Power Density

Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.)			Unit	Verdict
			ANT 1	ANT 2	SUM		
11A20	36	5180	3.86	3.18	---	dBm/MHz	PASS
	48	5240	3.65	3.91	---	dBm/MHz	PASS
	52	5260	3.55	3.94	---	dBm/MHz	PASS
	64	5320	3.52	3.04	---	dBm/MHz	PASS
	100	5500	3.39	3.79	---	dBm/MHz	PASS
	140	5700	3.43	3.78	---	dBm/MHz	PASS
	149	5745	-4.87	-3.79	---	dBm/500KHz	PASS
	165	5825	-5.09	-3.91	---	dBm/500KHz	PASS
11A20 CDD	36	5180	4.05	3.27	6.69	dBm/MHz	PASS
	48	5240	3.76	3.75	6.77	dBm/MHz	PASS
	52	5260	3.69	3.71	6.71	dBm/MHz	PASS
	64	5320	3.81	2.94	6.41	dBm/MHz	PASS
	100	5500	3.44	3.87	6.67	dBm/MHz	PASS
	140	5700	3.39	3.54	6.48	dBm/MHz	PASS
	149	5745	-4.99	-3.38	-1.10	dBm/500KHz	PASS
	165	5825	-4.86	-3.96	-1.38	dBm/500KHz	PASS
11N20	36	5180	3.20	2.35	---	dBm/MHz	PASS
	48	5240	3.10	3.18	---	dBm/MHz	PASS
	52	5260	2.89	2.99	---	dBm/MHz	PASS
	64	5320	3.22	2.22	---	dBm/MHz	PASS
	100	5500	2.83	2.71	---	dBm/MHz	PASS
	140	5700	1.10	0.97	---	dBm/MHz	PASS
	149	5745	-5.07	-4.32	---	dBm/500KHz	PASS
	165	5825	-4.71	-4.69	---	dBm/500KHz	PASS
11N20 MIMO	36	5180	3.18	2.21	5.73	dBm/MHz	PASS
	48	5240	2.77	3.18	5.99	dBm/MHz	PASS
	52	5260	2.86	3.23	6.06	dBm/MHz	PASS
	64	5320	2.79	2.04	5.44	dBm/MHz	PASS
	100	5500	2.69	3.08	5.90	dBm/MHz	PASS
	140	5700	0.71	1.34	4.05	dBm/MHz	PASS
	149	5745	-5.82	-4.03	-1.82	dBm/500KHz	PASS
	165	5825	-5.63	-4.38	-1.95	dBm/500KHz	PASS
11N40	38	5190	-1.43	-1.85	---	dBm/MHz	PASS
	46	5230	0.65	1.27	---	dBm/MHz	PASS
	54	5270	0.74	1.24	---	dBm/MHz	PASS
	62	5310	-2.74	-2.79	---	dBm/MHz	PASS
	102	5510	-4.54	-2.80	---	dBm/MHz	PASS
	134	5670	0.73	0.91	---	dBm/MHz	PASS
	151	5755	-9.58	-7.83	---	dBm/500KHz	PASS
	159	5795	-9.51	-7.22	---	dBm/500KHz	PASS
11N40	38	5190	-2.08	-3.52	0.27	dBm/MHz	PASS





SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2019/C002605-01

Page: 219 of 533

MIMO	46	5230	-0.29	0.52	3.14	dBm/MHz	PASS
	54	5270	-0.12	-0.33	2.79	dBm/MHz	PASS
	62	5310	-3.25	-3.84	-0.52	dBm/MHz	PASS
	102	5510	-4.98	-4.67	-1.81	dBm/MHz	PASS
	134	5670	-0.36	0.65	3.18	dBm/MHz	PASS
	151	5755	-9.21	-7.5	-5.26	dBm/500KHz	PASS
	159	5795	-9.47	-7.53	-5.38	dBm/500KHz	PASS
11AC20	36	5180	2.28	1.52	---	dBm/MHz	PASS
	48	5240	2.10	2.41	---	dBm/MHz	PASS
	52	5260	2.25	2.33	---	dBm/MHz	PASS
	64	5320	1.97	1.70	---	dBm/MHz	PASS
	100	5500	1.95	2.44	---	dBm/MHz	PASS
	140	5700	1.64	1.62	---	dBm/MHz	PASS
	149	5745	-5.92	-4.66	---	dBm/500KHz	PASS
11AC20 MIMO	165	5825	-5.40	-4.31	---	dBm/500KHz	PASS
	36	5180	2.64	1.84	5.27	dBm/MHz	PASS
	48	5240	2.58	2.83	5.72	dBm/MHz	PASS
	52	5260	2.43	2.81	5.63	dBm/MHz	PASS
	64	5320	2.47	1.47	5.01	dBm/MHz	PASS
	100	5500	2.20	2.10	5.16	dBm/MHz	PASS
	140	5700	1.71	2.04	4.89	dBm/MHz	PASS
11AC40	149	5745	-5.80	-4.01	-1.8	dBm/500KHz	PASS
	165	5825	-5.33	-4.44	-1.85	dBm/500KHz	PASS
	38	5190	-2.09	-1.94	---	dBm/MHz	PASS
	46	5230	0.58	1.16	---	dBm/MHz	PASS
	54	5270	0.25	0.79	---	dBm/MHz	PASS
	62	5310	-4.11	-3.82	---	dBm/MHz	PASS
	102	5510	-5.12	-4.48	---	dBm/MHz	PASS
11AC40 MIMO	134	5670	0.19	0.75	---	dBm/MHz	PASS
	151	5755	-9.49	-7.78	---	dBm/500KHz	PASS
	159	5795	-9.45	-7.27	---	dBm/500KHz	PASS
	38	5190	-2.68	-3.21	0.07	dBm/MHz	PASS
	46	5230	0.09	0.62	3.37	dBm/MHz	PASS
	54	5270	-0.07	0.04	3.00	dBm/MHz	PASS
	62	5310	-4.09	-4.17	-1.12	dBm/MHz	PASS
11AC80	102	5510	-5.43	-4.35	-1.85	dBm/MHz	PASS
	134	5670	-0.31	-0.46	2.63	dBm/MHz	PASS
	151	5755	-9.34	-7.43	-5.27	dBm/500KHz	PASS
	159	5795	-9.20	-7.41	-5.20	dBm/500KHz	PASS
	42	5210	-5.22	-5.68	---	dBm/MHz	PASS
	58	5290	-6.43	-5.90	---	dBm/MHz	PASS
	106	5530	-6.76	-6.38	---	dBm/MHz	PASS
11AC80 MIMO	155	5775	-12.68	-10.46	---	dBm/500KHz	PASS
	42	5210	-5.24	-5.97	-2.58	dBm/MHz	PASS
11AC80 MIMO	58	5290	-6.55	-6.70	-3.61	dBm/MHz	PASS



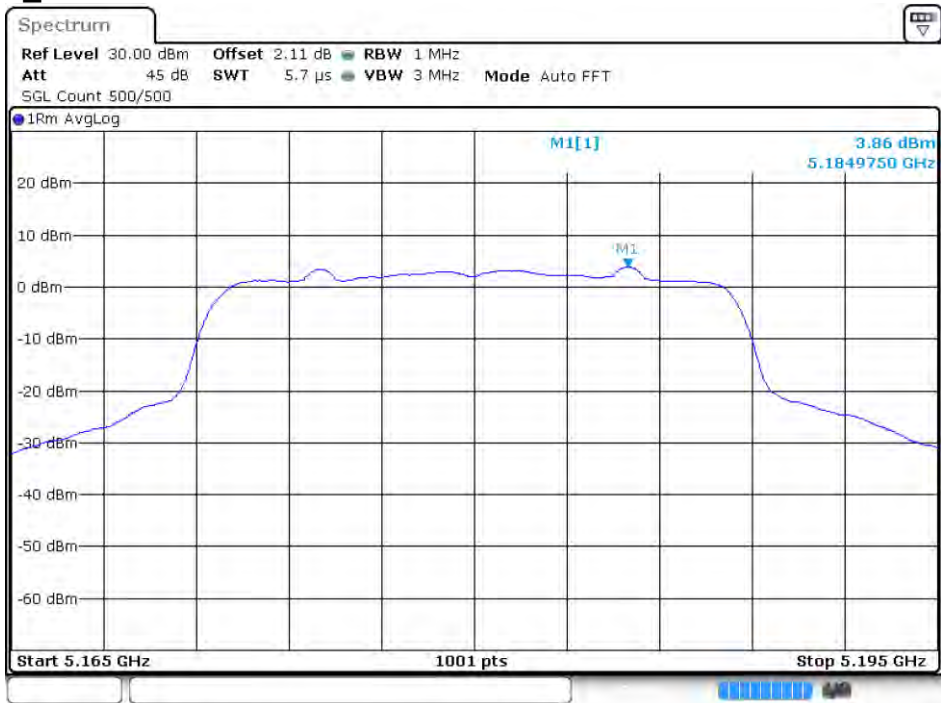
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 26012053, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 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



	106	5530	-6.88	-6.41	-3.63	dBm/MHz	PASS
	155	5775	-11.67	-10.29	-7.92	dBm/500KHz	PASS

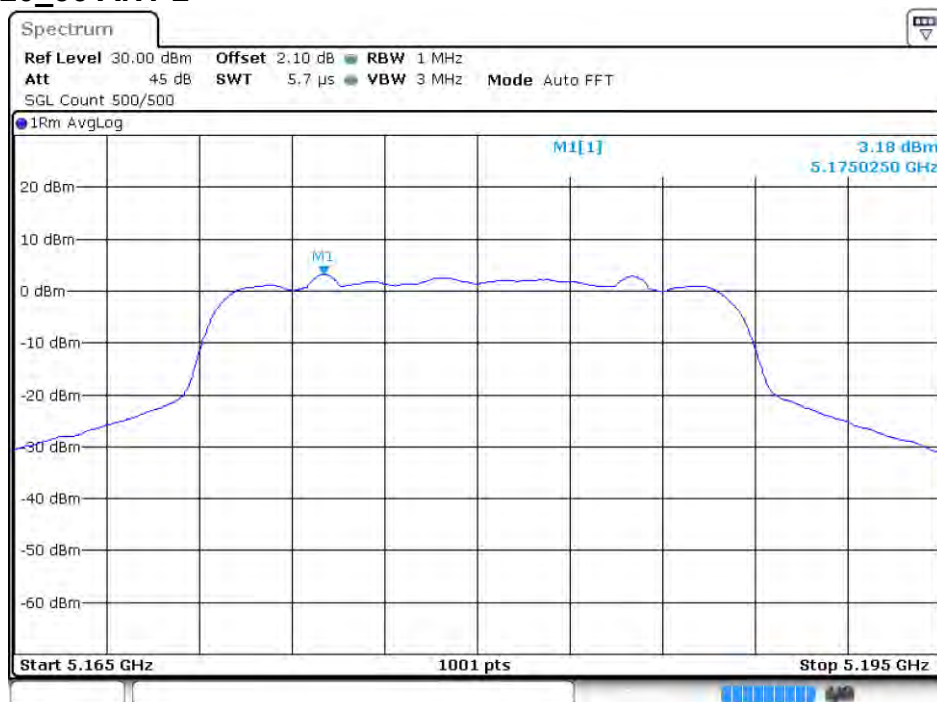
4.8.2 Test plots For Power Density
4.8.2.1 11A20_36 ANT 1



Date: 16 JAN.2020 11:35:17

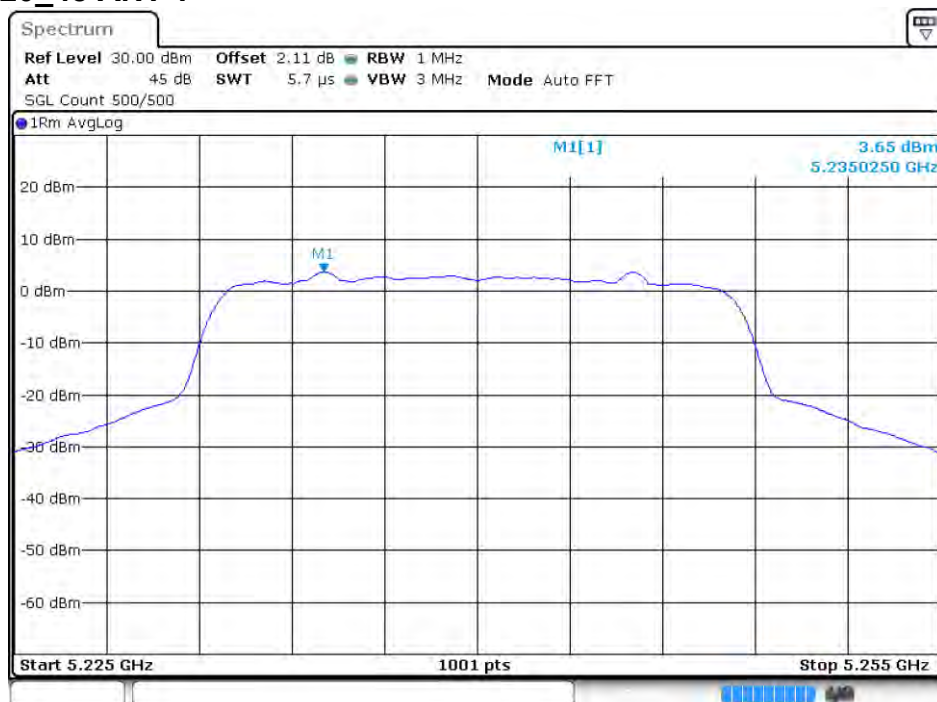


4.8.2.2 11A20_36 ANT 2



Date: 16 JAN 2020 12:13:07

4.8.2.3 11A20_48 ANT 1



Date: 16 JAN 2020 11:36:01

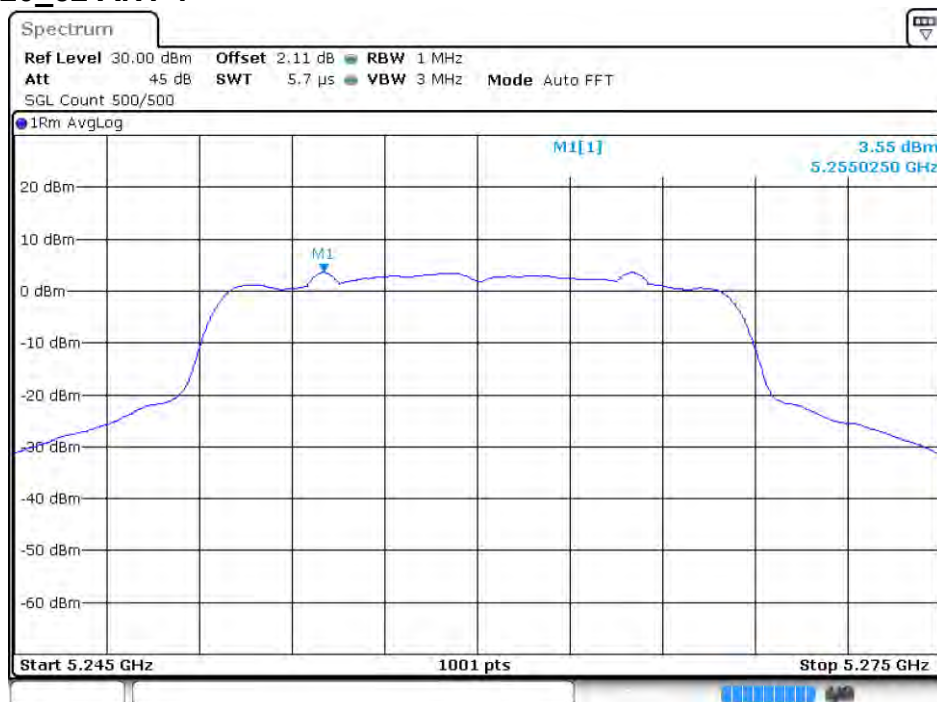


4.8.2.4 11A20_48 ANT 2



Date: 16 JAN.2020 12:13:49

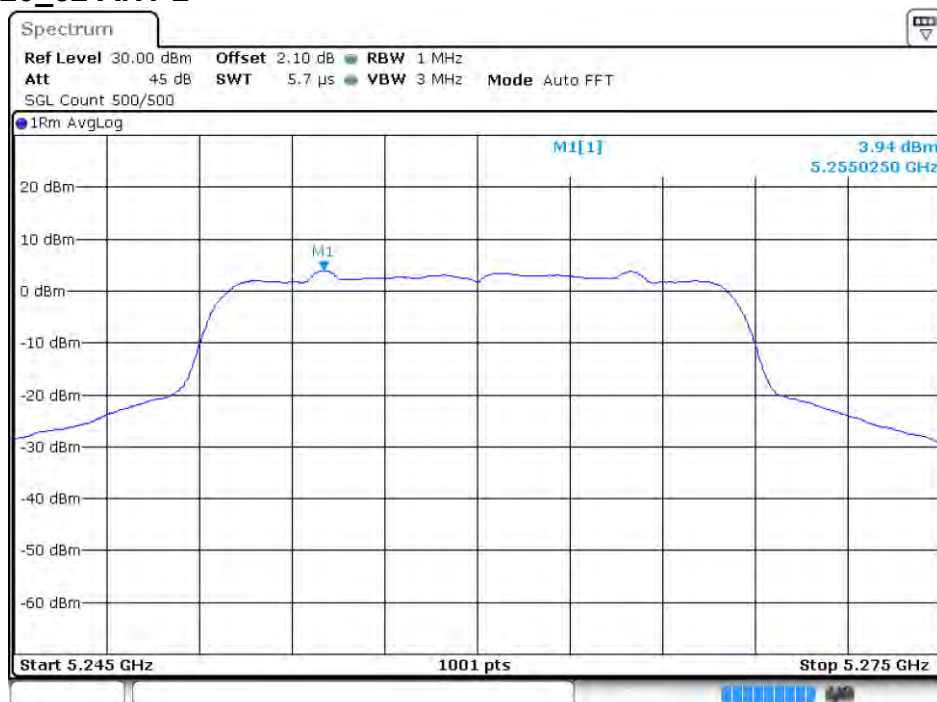
4.8.2.5 11A20_52 ANT 1



Date: 16 JAN.2020 11:37:46

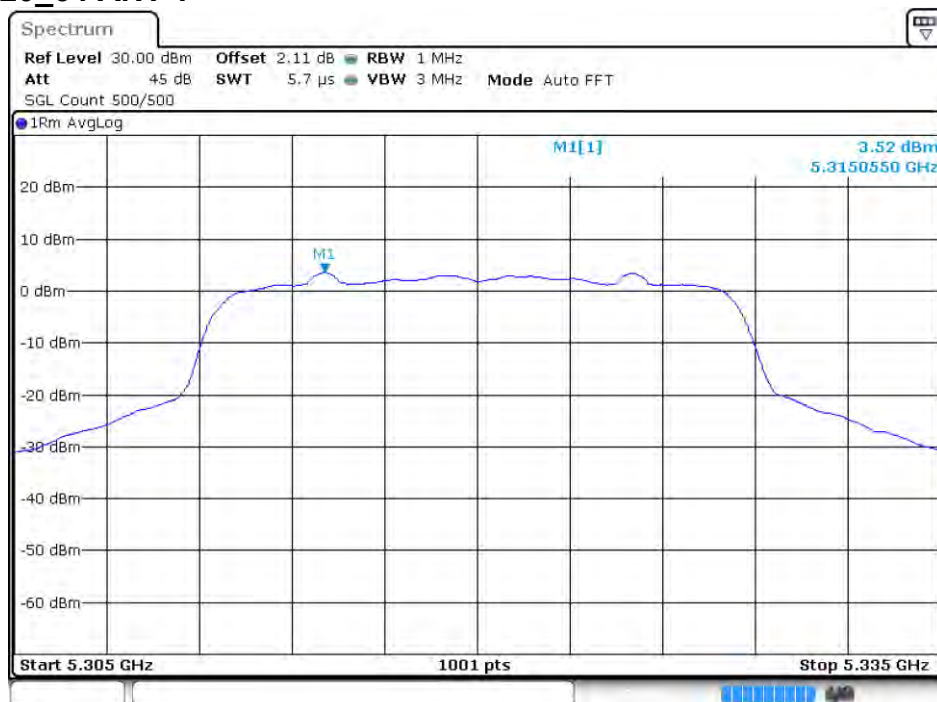


4.8.2.6 11A20_52 ANT 2



Date: 16 JAN 2020 12:35:27

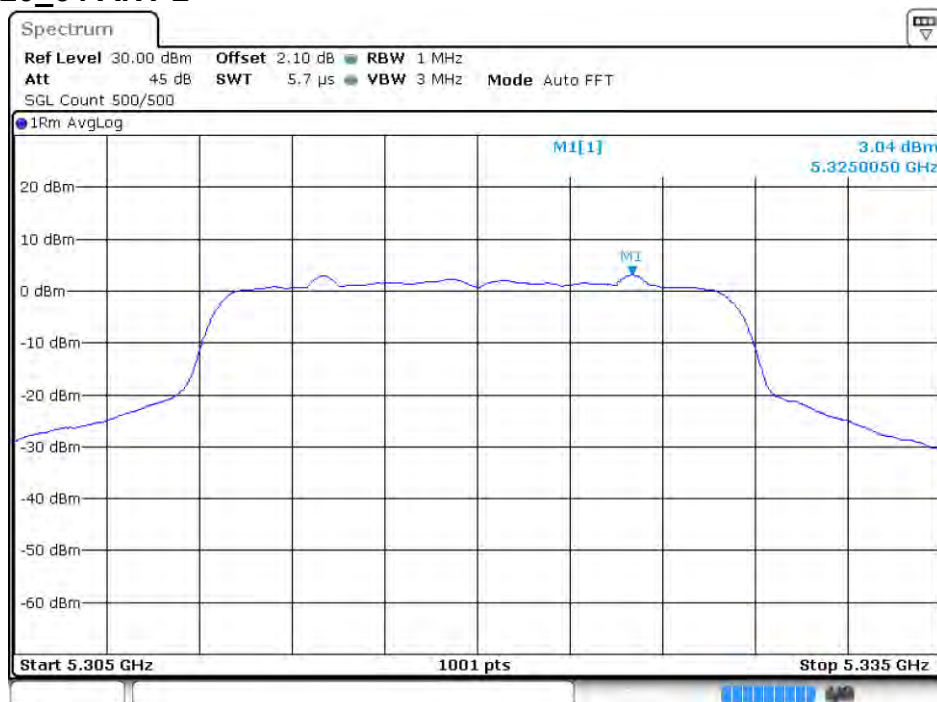
4.8.2.7 11A20_64 ANT 1



Date: 16 JAN 2020 11:39:12

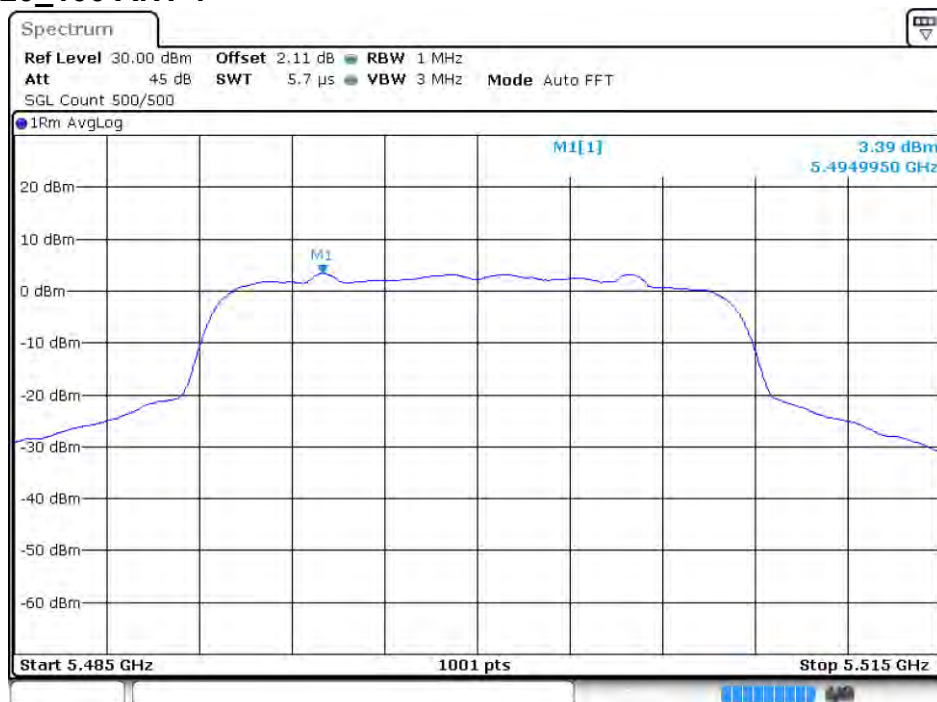


4.8.2.8 11A20_64 ANT 2



Date: 16 JAN 2020 12:36:03

4.8.2.9 11A20_100 ANT 1



Date: 16 JAN 2020 11:40:26



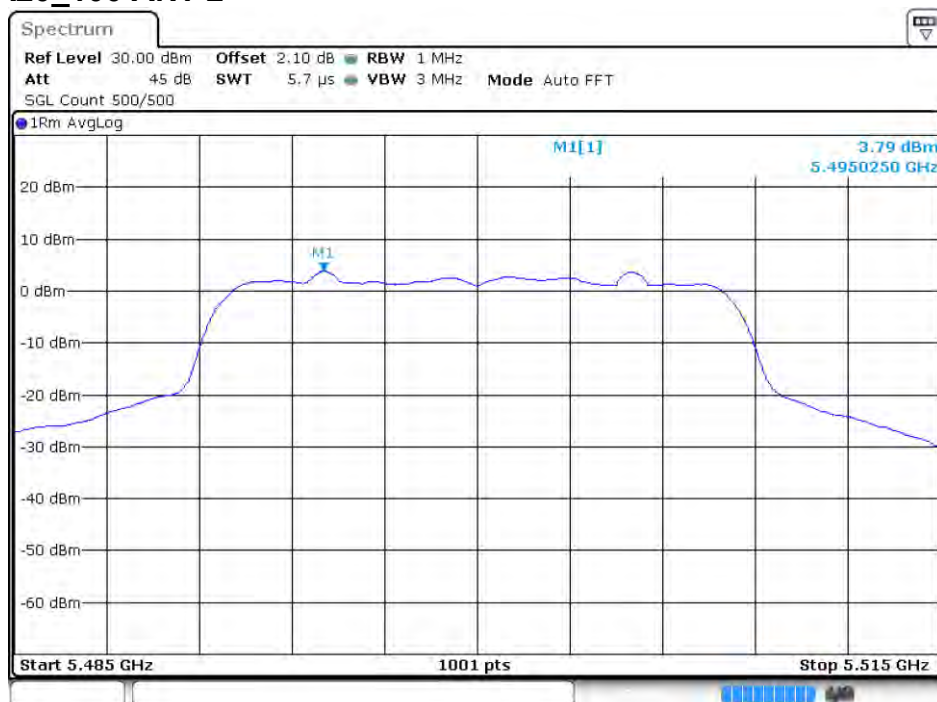
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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

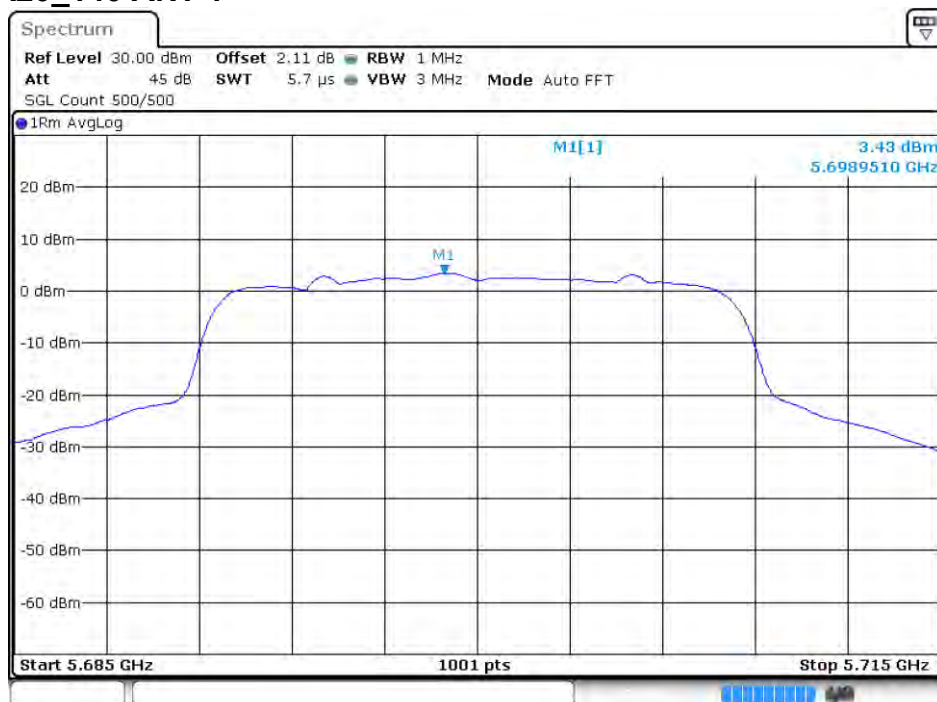


4.8.2.10 11A20_100 ANT 2



Date: 16 JAN 2020 12:36:53

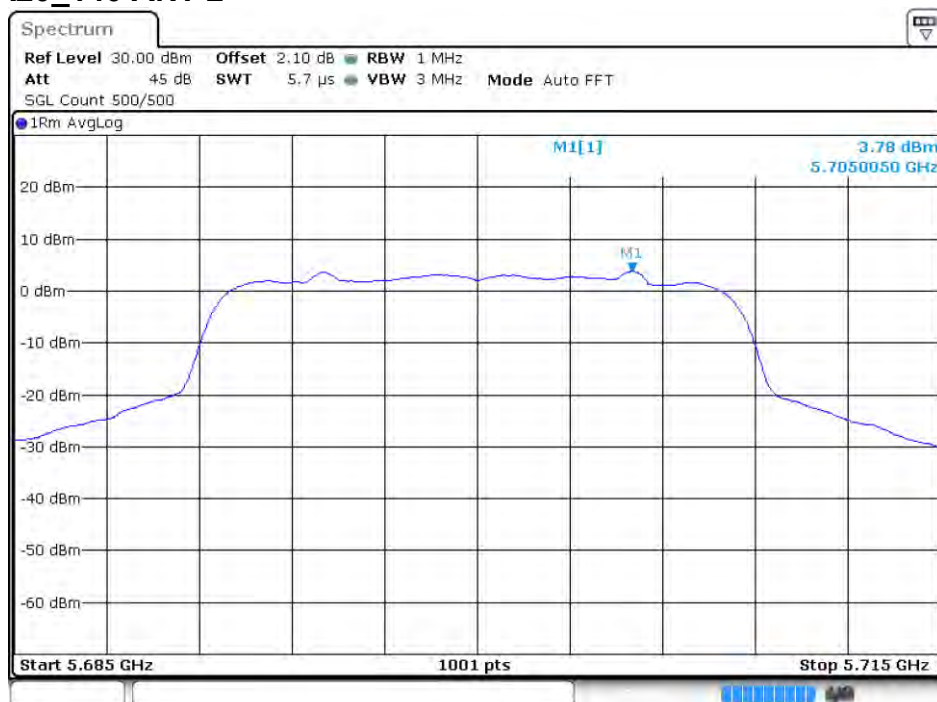
4.8.2.11 11A20_140 ANT 1



Date: 16 JAN 2020 11:41:22

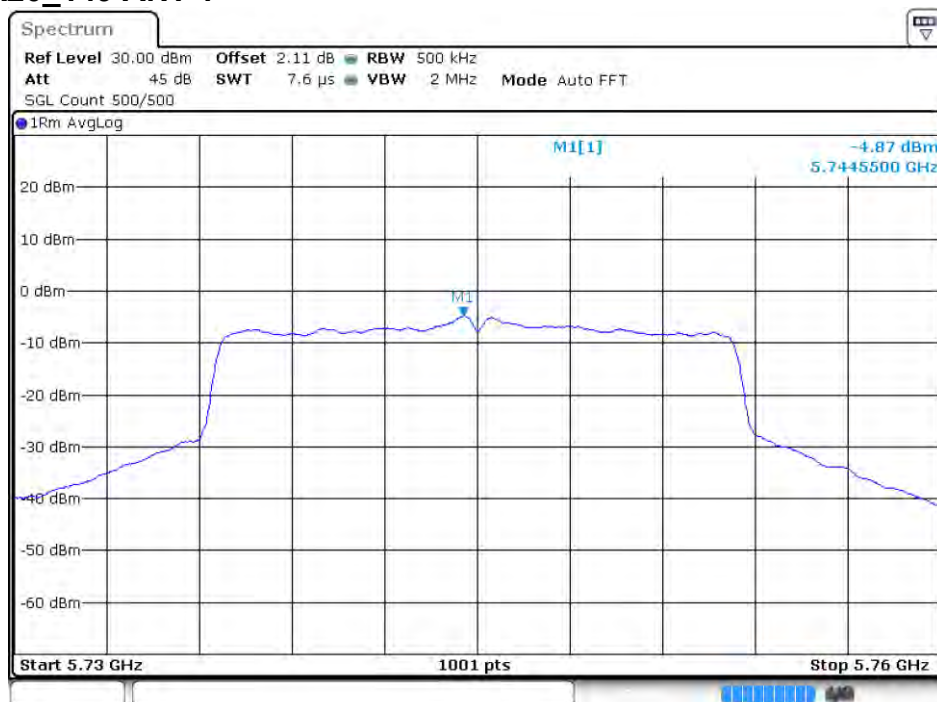


4.8.2.12 11A20_140 ANT 2



Date: 16 JAN 2020 12:37:32

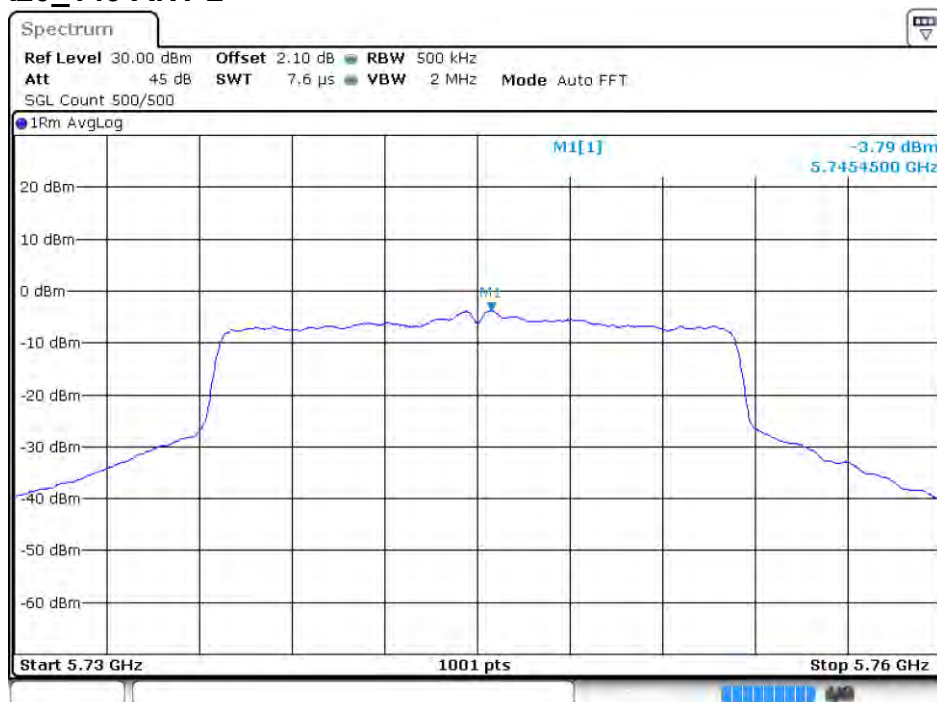
4.8.2.13 11A20_149 ANT 1



Date: 16 JAN 2020 12:03:08

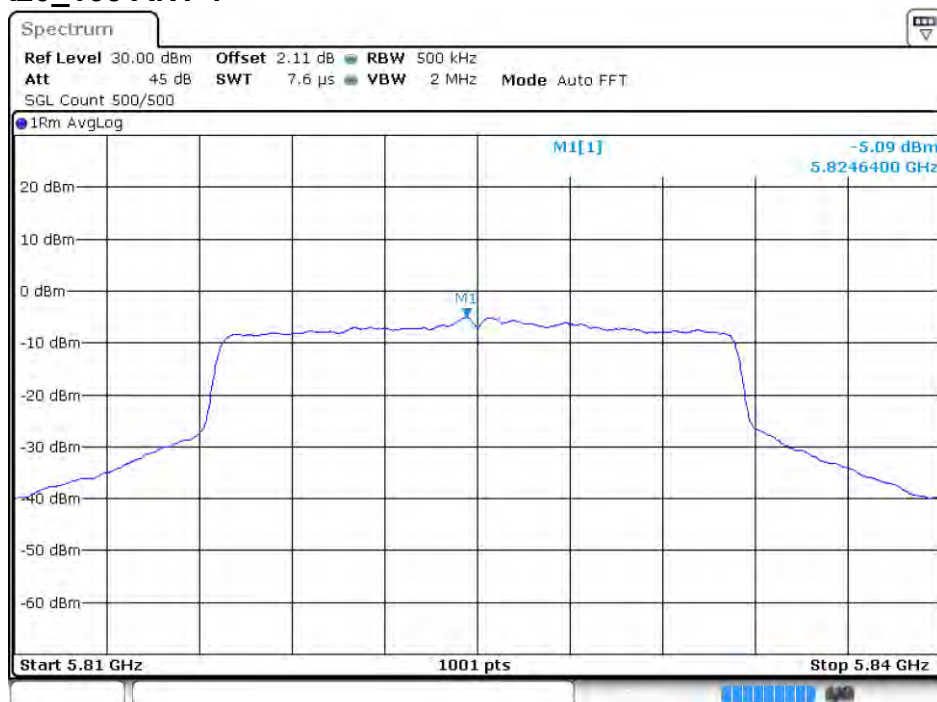


4.8.2.14 11A20_149 ANT 2



Date: 16 JAN 2020 12:38:45

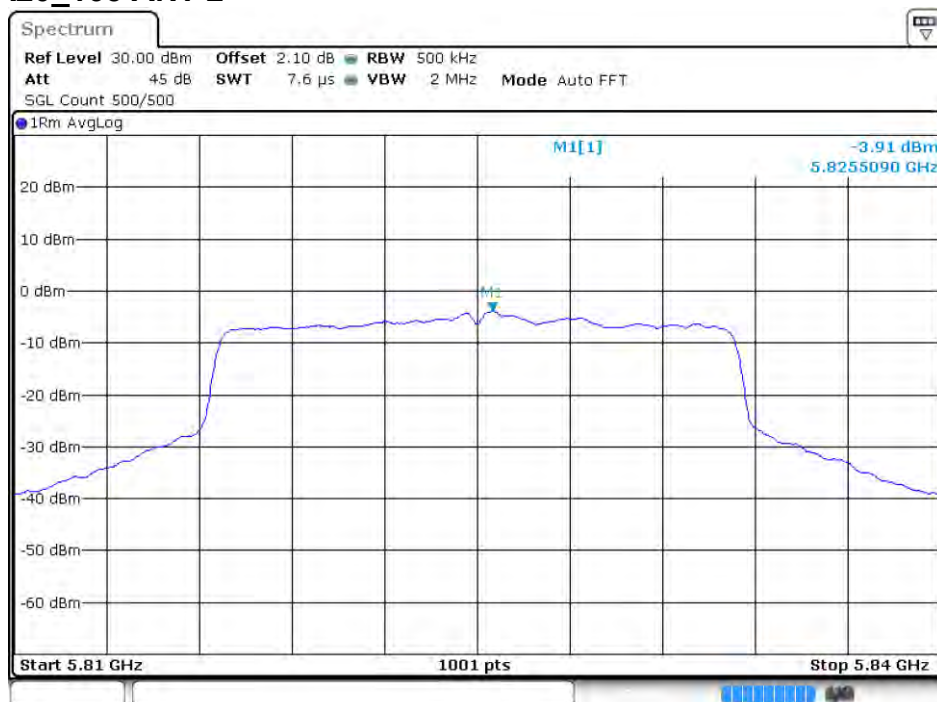
4.8.2.15 11A20_165 ANT 1



Date: 16 JAN 2020 12:03:53

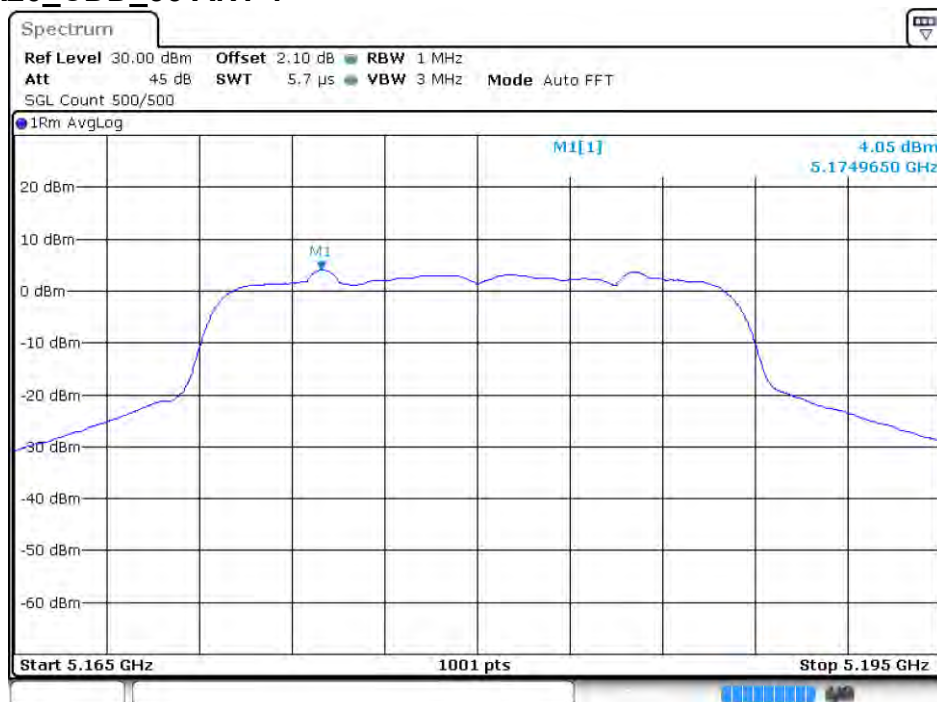


4.8.2.16 11A20_165 ANT 2



Date: 16 JAN 2020 12:39:33

4.8.2.17 11A20_CDD_36 ANT 1



Date: 17 JAN 2020 01:58:24

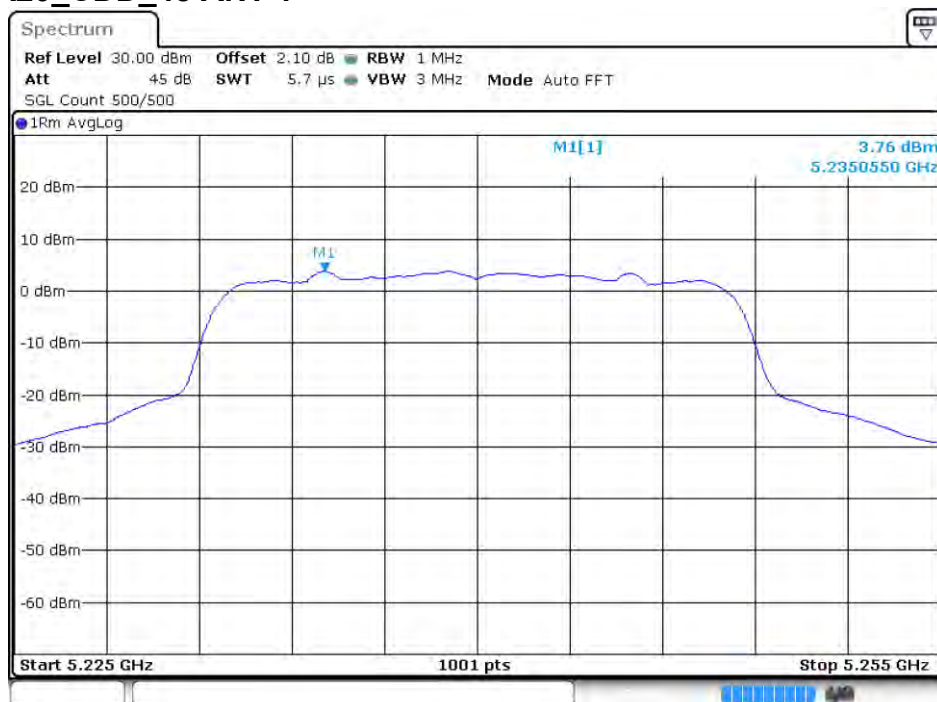


4.8.2.18 11A20_CDD_36 ANT 2



Date: 17 JAN.2020 03:12:28

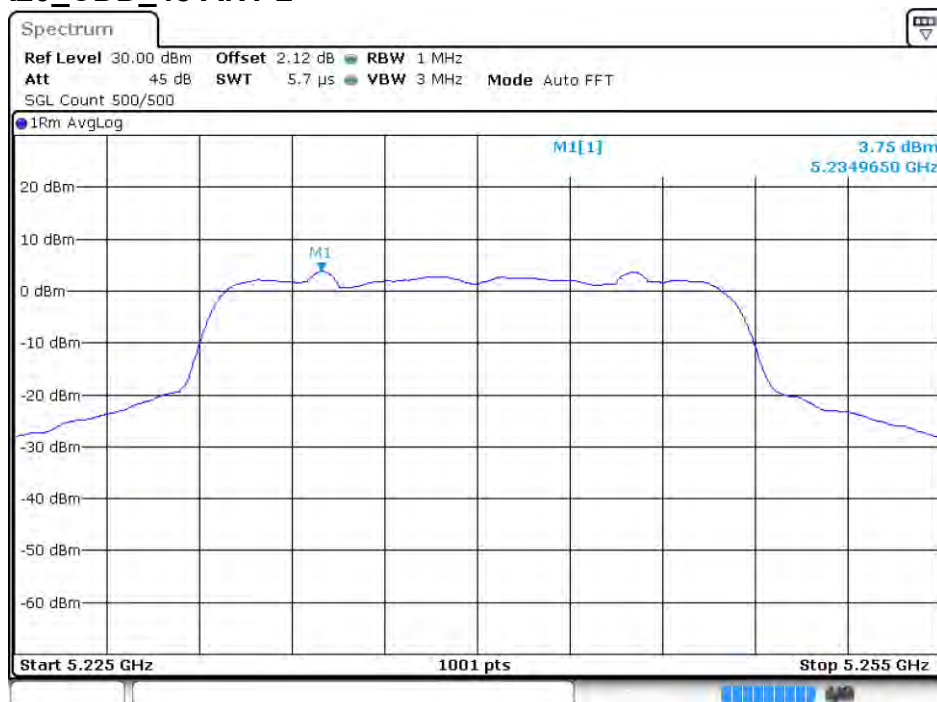
4.8.2.19 11A20_CDD_48 ANT 1



Date: 17 JAN.2020 01:59:18



4.8.2.20 11A20_CDD_48 ANT 2



Date: 17 JAN.2020 03:13:19

4.8.2.21 11A20_CDD_52 ANT 1

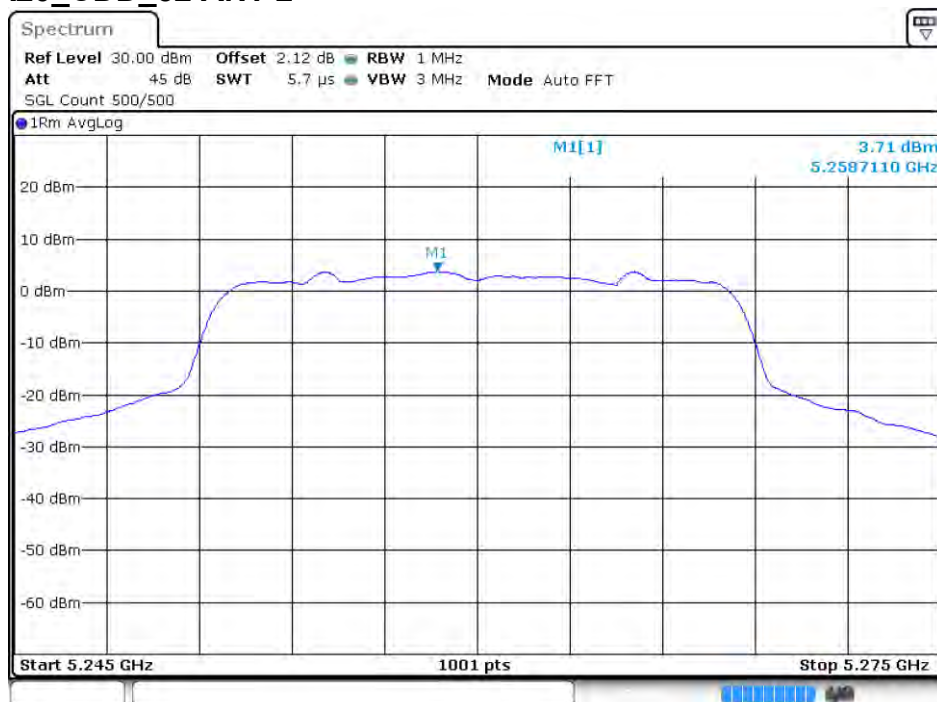


Date: 17 JAN.2020 02:01:28





4.8.2.22 11A20_CDD_52 ANT 2



Date: 17 JAN.2020 03:14:51

4.8.2.23 11A20_CDD_64 ANT 1



Date: 17 JAN.2020 02:02:09





4.8.2.24 11A20_CDD_64 ANT 2



Date: 17 JAN.2020 03:15:31

4.8.2.25 11A20_CDD_100 ANT 1



Date: 17 JAN.2020 02:03:27



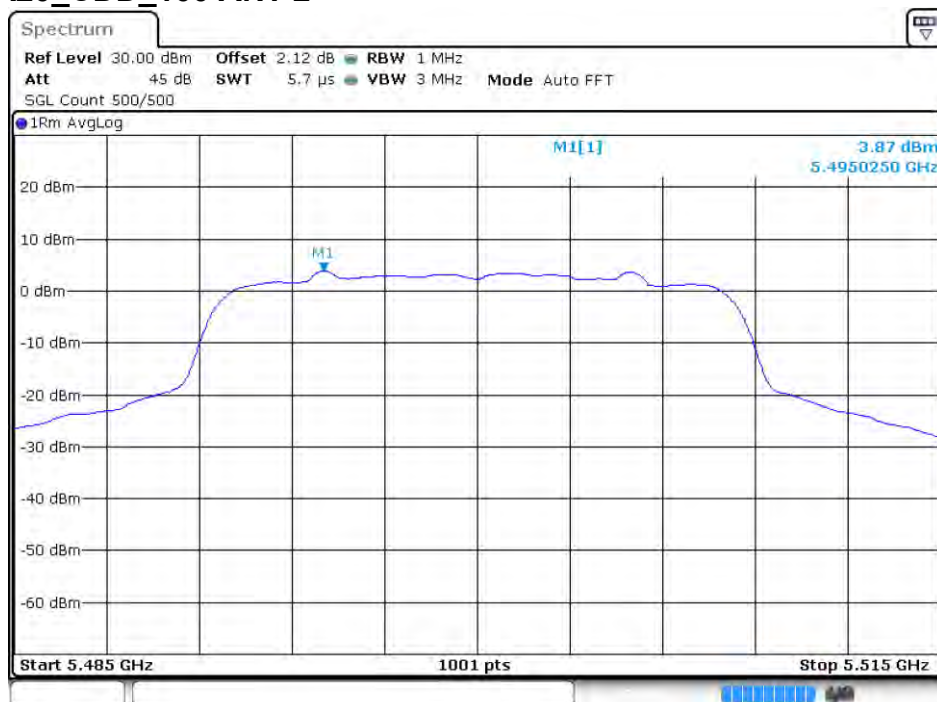
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

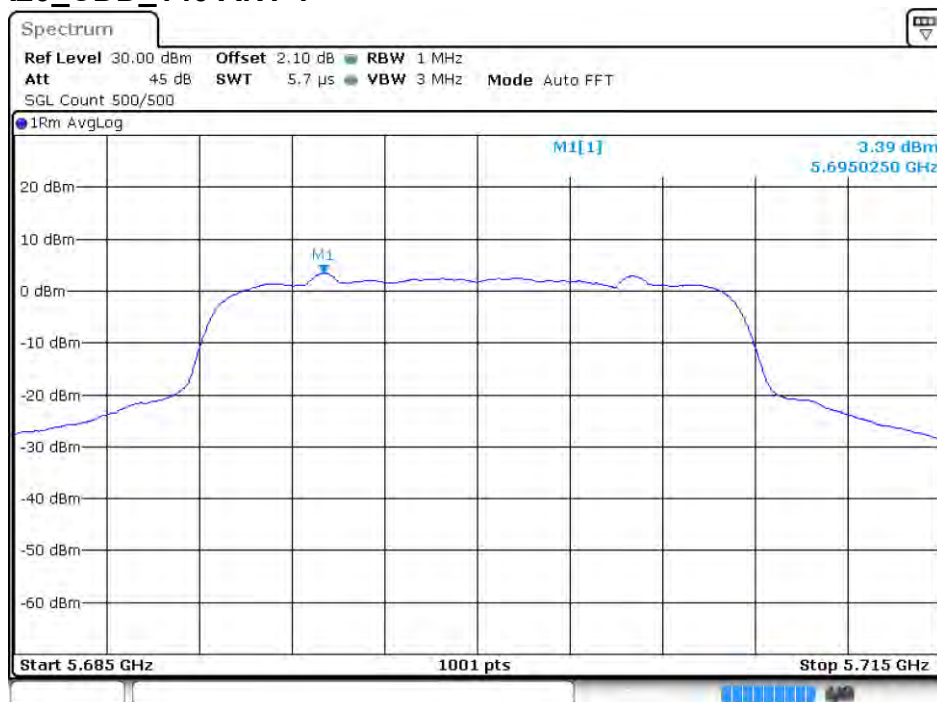
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.8.2.26 11A20_CDD_100 ANT 2



Date: 17 JAN.2020 03:16:24

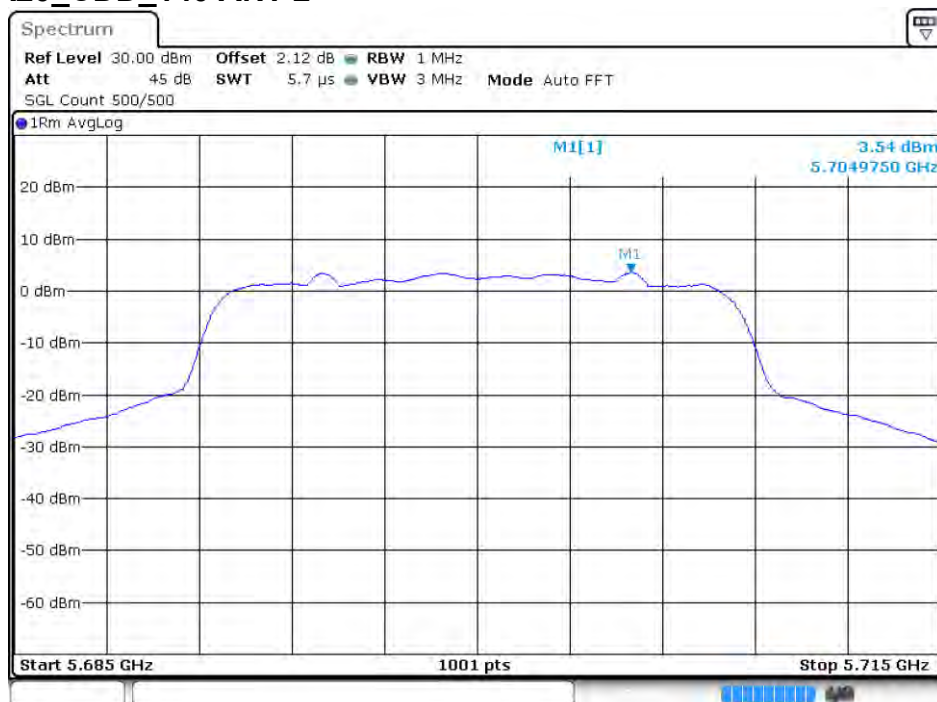
4.8.2.27 11A20_CDD_140 ANT 1



Date: 17 JAN.2020 02:04:11

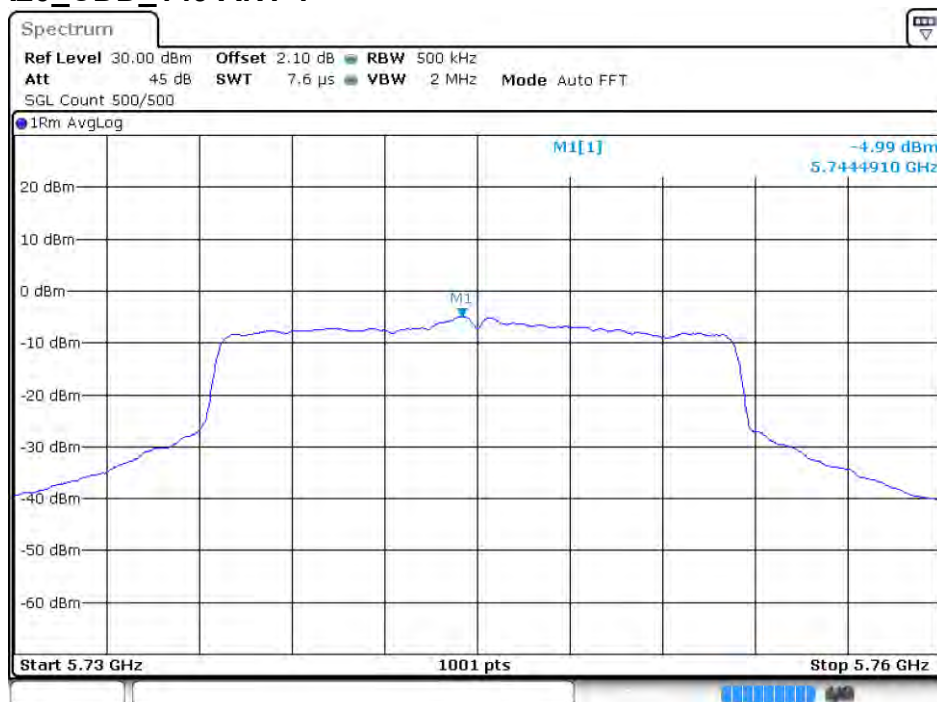


4.8.2.28 11A20_CDD_140 ANT 2



Date: 17 JAN.2020 03:17:29

4.8.2.29 11A20_CDD_149 ANT 1



Date: 17 JAN.2020 02:05:27

