



Appendix B

E-UTRA Band CA_7C





CONTENT

Page

1	EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA.....	3
1.1	MAX POWER TEST RESULT FOR LTE BAND CA_7C(ANT1).....	3
1.2	MAX POWER TEST RESULT FOR LTE BAND CA_7C(ANT2).....	6
2	PEAK-TO-AVERAGE RATIO.....	9
2.1	FOR LTE.....	9
2.1.1	Test Band = LTE Band CA_7C.....	9
3	MODULATION CHARACTERISTICS.....	14
3.1	FOR LTE.....	14
3.1.1	Test Band = LTE Band CA_7C.....	14
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	17
4.1	FOR LTE.....	19
4.1.1	Test Band = LTE Band CA_7C.....	19
5	BAND EDGES COMPLIANCE.....	51
5.1	FOR LTE.....	51
5.1.1	Test Band = LTE Band CA_7C.....	51
6	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	64
6.1	FOR LTE.....	64
6.1.1	Test Band = LTE Band CA_7C.....	64
7	FIELD STRENGTH OF SPURIOUS RADIATION.....	78
7.1	FOR LTE UL CA.....	78
7.1.1	Test Band = LTE Band CA_7C (Ant1).....	78
7.1.2	Test Band = LTE Band CA_7C (Ant2).....	84
8	FREQUENCY STABILITY.....	90
8.1	FREQUENCY ERROR VS. VOLTAGE.....	90
8.2	FREQUENCY ERROR VS. TEMPERATURE.....	91





1 Effective (Isotropic) Radiated Power Output Data

1.1 Max Power Test Result for LTE Band CA_7C(ANT1)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	23.5	22.75	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	23.49	22.74	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	23.33	22.58	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	23.33	22.58	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	23.54	22.79	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	23.34	22.59	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	23.4	22.65	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	23.42	22.67	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	23.52	22.77	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	23.54	22.79	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	23.27	22.52	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	23.22	22.47	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	23.33	22.58	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	23.51	22.76	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	23.43	22.68	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	23.37	22.62	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	23.42	22.67	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	23.44	22.69	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	23.52	22.77	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	23.24	22.49	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	23.26	22.51	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	23.43	22.68	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	23.47	22.72	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	23.45	22.7	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	23.53	22.78	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	23.26	22.51	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	23.29	22.54	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	23.43	22.68	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	23.49	22.74	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	23.27	22.52	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	23.23	22.48	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	23.4	22.65	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	23.38	22.63	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	22.78	22.03	33.00	PASS



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

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



CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	22.81	22.06	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	22.51	21.76	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	22.66	21.91	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	22.93	22.18	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	22.54	21.79	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	22.43	21.68	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	22.84	22.09	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	22.5	21.75	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	22.76	22.01	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	22.26	21.51	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	22.62	21.87	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	22.5	21.75	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	22.83	22.08	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	22.83	22.08	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	22.42	21.67	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	22.71	21.96	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	22.44	21.69	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	22.78	22.03	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	22.27	21.52	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	22.55	21.8	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	22.46	21.71	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	22.71	21.96	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	22.44	21.69	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	22.77	22.02	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	22.21	21.46	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	22.52	21.77	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	22.48	21.73	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	22.76	22.01	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	22.43	21.68	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	22.45	21.7	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	22.28	21.53	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	22.59	21.84	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	21.7	20.95	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	21.82	21.07	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	21.61	20.86	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	21.57	20.82	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	21.74	20.99	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	21.5	20.75	33.00	PASS



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

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-Document.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



CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	21.8	21.05	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	21.51	20.76	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	21.7	20.95	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	21.46	20.71	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	21.58	20.83	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	21.32	20.57	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	21.8	21.05	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	21.85	21.1	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	21.64	20.89	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	21.43	20.68	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	21.63	20.88	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	21.49	20.74	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	21.66	20.91	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	21.34	20.59	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	21.63	20.88	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	21.75	21	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	21.43	20.68	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	21.63	20.88	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	21.28	20.53	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	21.72	20.97	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	21.43	20.68	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	21.53	20.78	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	21.83	21.08	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	21.46	20.71	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	21.64	20.89	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	21.31	20.56	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	21.53	20.78	33.00	PASS





1.2 Max Power Test Result for LTE Band CA_7C(ANT2)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	QPSK	23.35	20.15	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	QPSK	23.33	20.13	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	QPSK	23.48	20.28	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	QPSK	23.28	20.08	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	QPSK	23.43	20.23	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	QPSK	23.38	20.18	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	QPSK	23.30	20.1	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	QPSK	23.28	20.08	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	QPSK	23.38	20.18	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	QPSK	23.16	19.96	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	QPSK	23.48	20.28	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	QPSK	23.43	20.23	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	QPSK	23.42	20.22	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	QPSK	23.41	20.21	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	QPSK	23.38	20.18	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	QPSK	23.32	20.12	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	QPSK	23.31	20.11	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	QPSK	23.35	20.15	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	QPSK	23.28	20.08	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	QPSK	23.29	20.09	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	QPSK	23.82	20.62	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	QPSK	23.84	20.64	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	QPSK	23.39	20.19	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	QPSK	23.37	20.17	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	QPSK	23.28	20.08	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	QPSK	23.25	20.05	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	QPSK	23.24	20.04	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	QPSK	23.26	20.06	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	QPSK	23.29	20.09	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	QPSK	23.34	20.14	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	QPSK	23.30	20.1	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	QPSK	23.31	20.11	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	QPSK	23.28	20.08	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	16QAM	22.72	19.52	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	16QAM	22.73	19.53	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	16QAM	22.85	19.65	33.00	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Shenzhen E&C Laboratory

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



CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	16QAM	22.79	19.59	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	16QAM	22.83	19.63	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	16QAM	22.85	19.65	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	16QAM	22.74	19.54	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	16QAM	22.86	19.66	33.00	PASS
CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	16QAM	22.89	19.69	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	16QAM	22.67	19.47	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	16QAM	22.69	19.49	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	16QAM	22.68	19.48	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	16QAM	22.70	19.5	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	16QAM	22.71	19.51	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	16QAM	22.79	19.59	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	16QAM	22.67	19.47	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	16QAM	22.69	19.49	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	16QAM	22.72	19.52	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	16QAM	22.76	19.56	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	16QAM	22.85	19.65	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	16QAM	22.86	19.66	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	16QAM	22.84	19.64	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	16QAM	22.90	19.7	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	16QAM	22.78	19.58	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	16QAM	22.79	19.59	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	16QAM	22.90	19.7	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	16QAM	22.86	19.66	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	16QAM	22.84	19.64	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	16QAM	22.85	19.65	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	16QAM	22.87	19.67	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	16QAM	22.89	19.69	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	16QAM	22.64	19.44	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	16QAM	22.69	19.49	33.00	PASS
CA_7C	50RB+100RB	20805+20949	1RB#0	0RB#0	64QAM	21.64	18.44	33.00	PASS
CA_7C	50RB+100RB	21006+21150	1RB#0	0RB#0	64QAM	21.59	18.39	33.00	PASS
CA_7C	50RB+100RB	21206+21350	1RB#0	0RB#0	64QAM	21.59	18.39	33.00	PASS
CA_7C	75RB+50RB	20825+20945	1RB#0	0RB#0	64QAM	21.58	18.38	33.00	PASS
CA_7C	75RB+50RB	21051+21171	1RB#0	0RB#0	64QAM	21.60	18.4	33.00	PASS
CA_7C	75RB+50RB	21277+21397	1RB#0	0RB#0	64QAM	21.63	18.43	33.00	PASS
CA_7C	75RB+75RB	20825+20975	1RB#0	0RB#0	64QAM	21.38	18.18	33.00	PASS
CA_7C	75RB+75RB	20825+20975	16RB#0	0RB#0	64QAM	21.48	18.28	33.00	PASS



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

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-Document.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



CA_7C	75RB+75RB	21025+21175	1RB#0	0RB#0	64QAM	21.39	18.19	33.00	PASS
CA_7C	75RB+75RB	21025+21175	16RB#0	0RB#0	64QAM	21.57	18.37	33.00	PASS
CA_7C	75RB+75RB	21225+21375	1RB#0	0RB#0	64QAM	21.53	18.33	33.00	PASS
CA_7C	75RB+75RB	21225+21375	16RB#0	0RB#0	64QAM	21.67	18.47	33.00	PASS
CA_7C	75RB+100RB	20828+20999	1RB#0	0RB#0	64QAM	21.58	18.38	33.00	PASS
CA_7C	75RB+100RB	21003+21174	1RB#0	0RB#0	64QAM	21.56	18.36	33.00	PASS
CA_7C	75RB+100RB	21179+21350	1RB#0	0RB#0	64QAM	21.57	18.37	33.00	PASS
CA_7C	100RB+50RB	20850+20994	1RB#0	0RB#0	64QAM	21.67	18.47	33.00	PASS
CA_7C	100RB+50RB	20850+20994	12RB#0	0RB#0	64QAM	21.62	18.42	33.00	PASS
CA_7C	100RB+50RB	21051+21195	1RB#0	0RB#0	64QAM	21.68	18.48	33.00	PASS
CA_7C	100RB+50RB	21051+21195	12RB#0	0RB#0	64QAM	21.64	18.44	33.00	PASS
CA_7C	100RB+50RB	21251+21395	1RB#0	0RB#0	64QAM	21.58	18.38	33.00	PASS
CA_7C	100RB+50RB	21251+21395	12RB#0	0RB#0	64QAM	21.56	18.36	33.00	PASS
CA_7C	100RB+75RB	20850+21021	1RB#0	0RB#0	64QAM	21.55	18.35	33.00	PASS
CA_7C	100RB+75RB	20850+21021	16RB#0	0RB#0	64QAM	21.70	18.5	33.00	PASS
CA_7C	100RB+75RB	21026+21197	1RB#0	0RB#0	64QAM	21.72	18.52	33.00	PASS
CA_7C	100RB+75RB	21026+21197	16RB#0	0RB#0	64QAM	21.73	18.53	33.00	PASS
CA_7C	100RB+75RB	21201+21372	1RB#0	0RB#0	64QAM	21.71	18.51	33.00	PASS
CA_7C	100RB+75RB	21201+21372	16RB#0	0RB#0	64QAM	21.65	18.45	33.00	PASS
CA_7C	100RB+100RB	20850+21048	1RB#0	0RB#0	64QAM	21.81	18.61	33.00	PASS
CA_7C	100RB+100RB	20850+21048	18RB#0	0RB#0	64QAM	21.56	18.36	33.00	PASS
CA_7C	100RB+100RB	21001+21199	1RB#0	0RB#0	64QAM	21.82	18.62	33.00	PASS
CA_7C	100RB+100RB	21001+21199	18RB#0	0RB#0	64QAM	21.48	18.28	33.00	PASS
CA_7C	100RB+100RB	21152+21350	1RB#0	0RB#0	64QAM	21.38	18.18	33.00	PASS
CA_7C	100RB+100RB	21152+21350	18RB#0	0RB#0	64QAM	21.39	18.19	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen EMC Laboratory)

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-Document.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



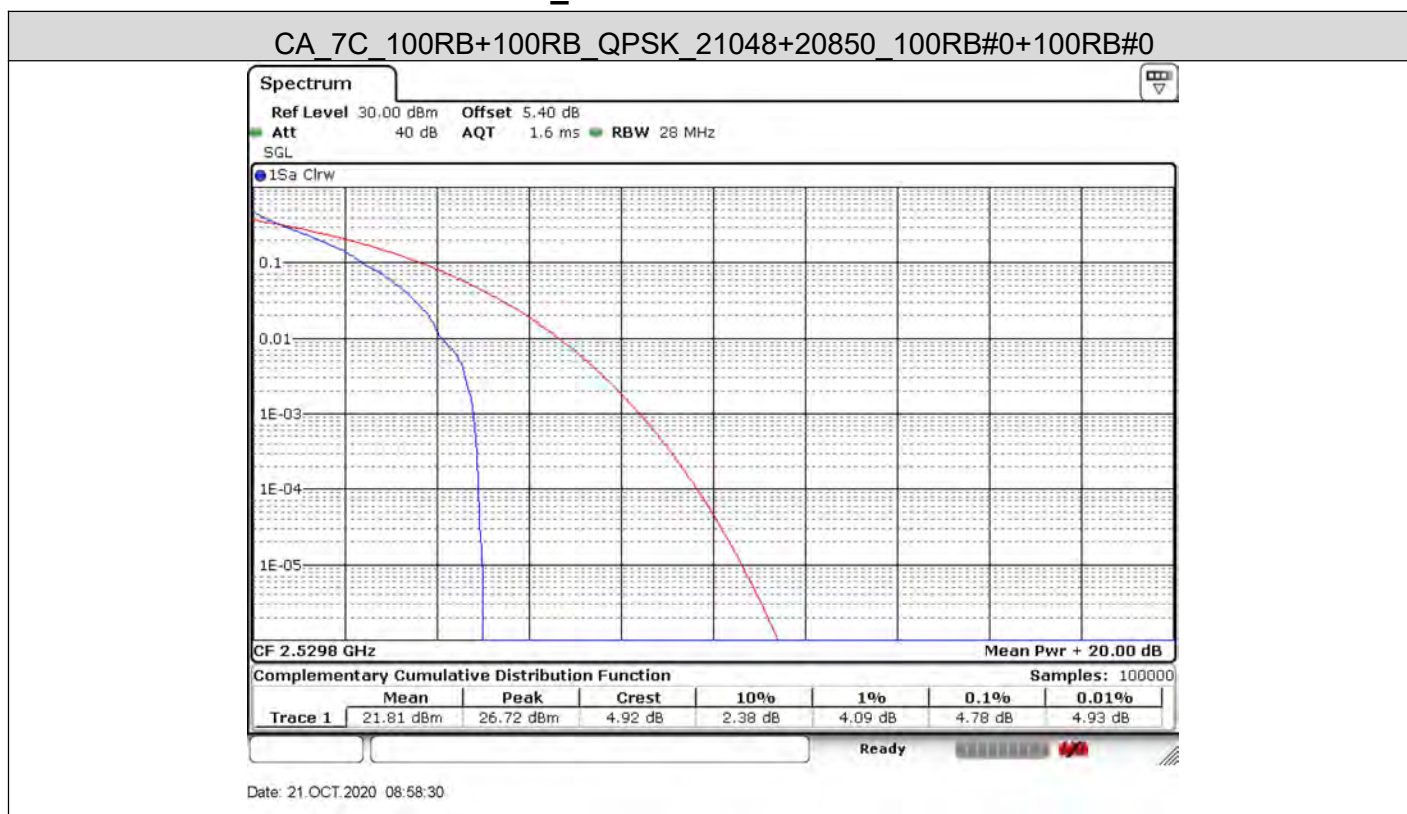
2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Modulation	Test Mode	Test Channel	PCC RB Config	SCC RB Config	Measured [dB]	Limit [dB]	Verdict
CA_7C	QPSK	100RB+100RB	21048+20850	100RB#0	100RB#0	4.78	13.00	PASS
CA_7C	QPSK	100RB+100RB	21199+21001	100RB#0	100RB#0	6.58	13.00	PASS
CA_7C	QPSK	100RB+100RB	21350+21152	100RB#0	100RB#0	6.23	13.00	PASS
CA_7C	16QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	6.61	13.00	PASS
CA_7C	16QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.70	13.00	PASS
CA_7C	16QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.12	13.00	PASS
CA_7C	64QAM	100RB+100RB	21048+20850	100RB#0	100RB#0	6.84	13.00	PASS
CA_7C	64QAM	100RB+100RB	21199+21001	100RB#0	100RB#0	6.96	13.00	PASS
CA_7C	64QAM	100RB+100RB	21350+21152	100RB#0	100RB#0	6.72	13.00	PASS

2.1 For LTE

2.1.1 Test Band = LTE Band CA_7C



CA 7C_100RB+100RB_QPSK_21199+21001_100RB#0+100RB#0



Date: 21 OCT.2020 09:02:28

CA 7C_100RB+100RB_QPSK_21350+21152_100RB#0+100RB#0



Date: 21 OCT.2020 09:05:39



CA_7C_100RB+100RB_16QAM_21048+20850_100RB#0+100RB#0



Date: 21 OCT.2020 09:00:13

CA_7C_100RB+100RB_16QAM_21199+21001_100RB#0+100RB#0



Date: 21 OCT.2020 09:02:14



CA_7C_100RB+100RB_16QAM_21350+21152_100RB#0+100RB#0



Date: 21 OCT.2020 09:05:52

CA_7C_100RB+100RB_64QAM_21048+20850_100RB#0+100RB#0



Date: 21 OCT.2020 09:00:30



CA_7C_100RB+100RB_64QAM_21199+21001_100RB#0+100RB#0



Date: 21.OCT.2020 09:01:54

CA_7C_100RB+100RB_64QAM_21350+21152_100RB#0+100RB#0



Date: 21.OCT.2020 09:06:13





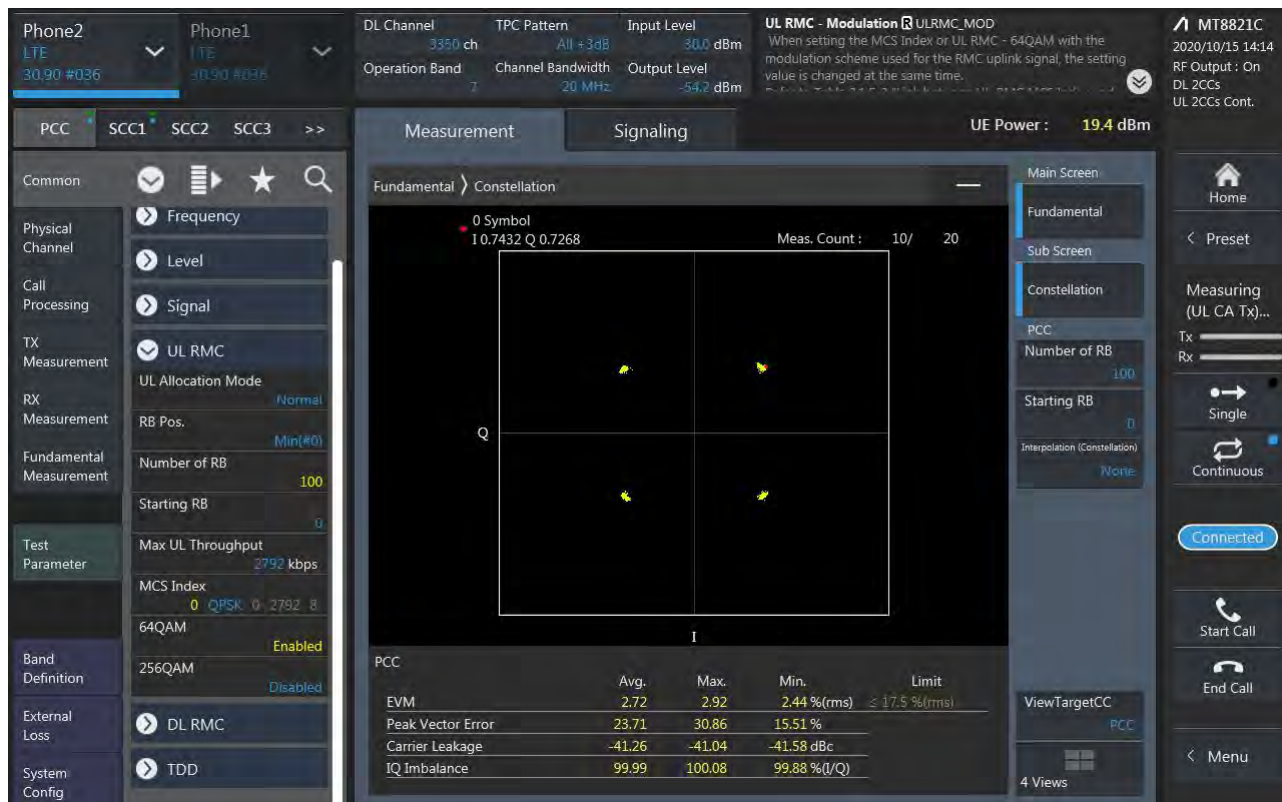
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_7C

3.1.1.1 Test Mode = LTE /QPSK 100RB+100RB

3.1.1.1.1 Test Channel = 20850+20994



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.

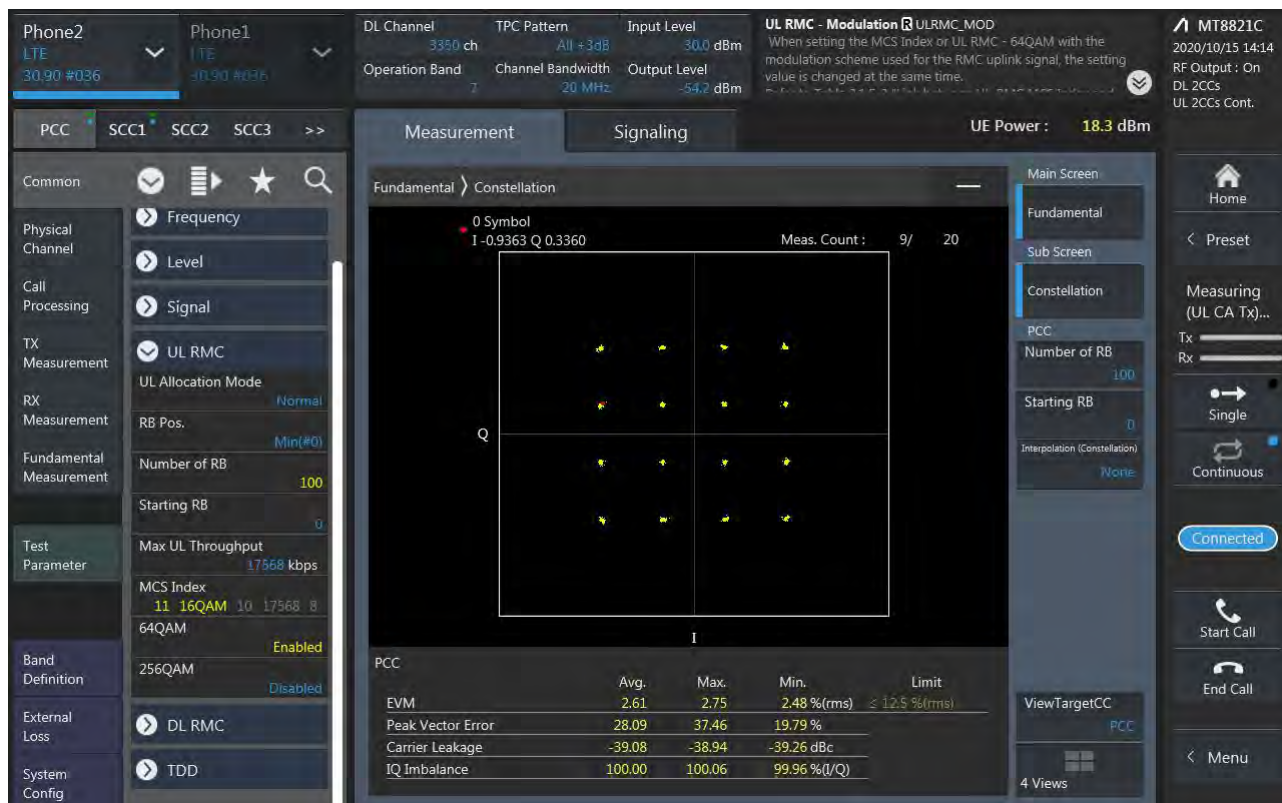
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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



3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB
3.1.1.2.1 Test Channel =20850+20994



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

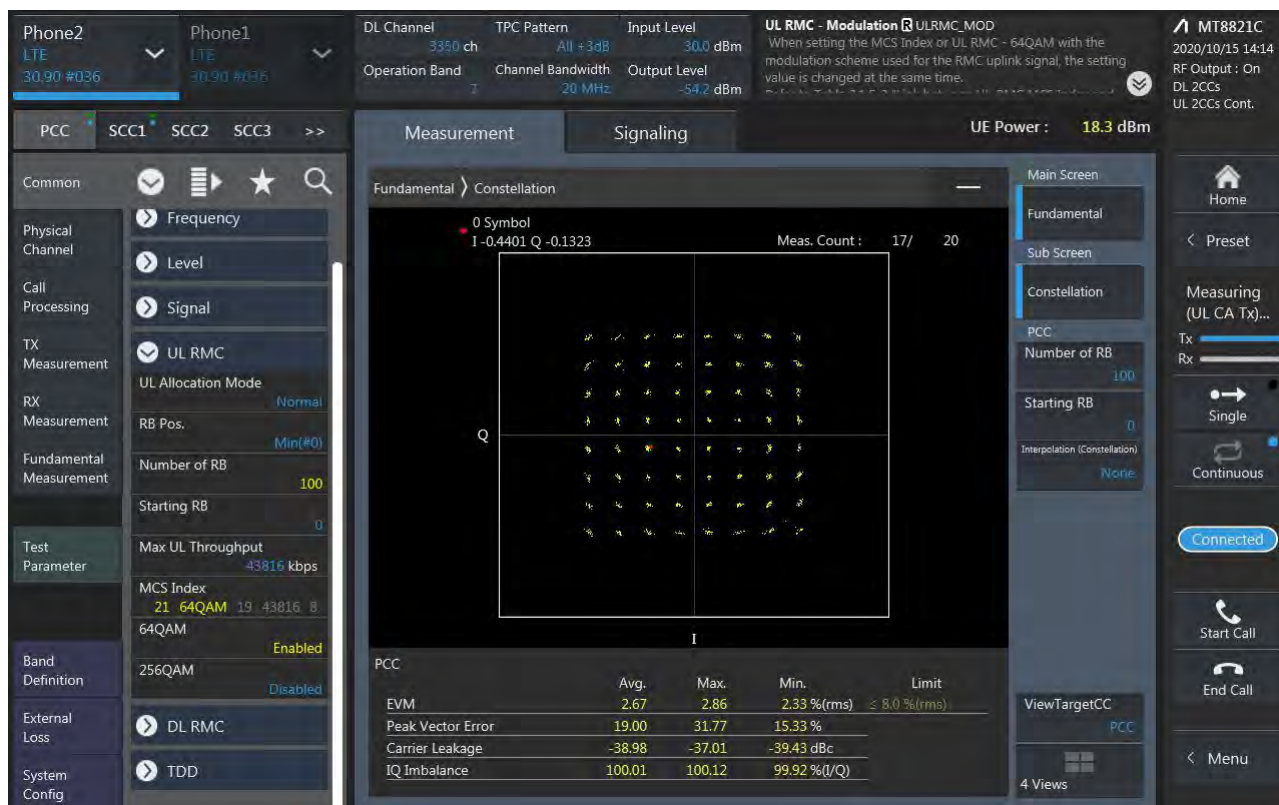
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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



3.1.1.3 Test Mode = LTE /64QAM 100RB+100RB

3.1.1.3.1 Test Channel = 20850+20994



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.sgs.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 26dB Bandwidth and Occupied Bandwidth

Test Band	Test Mode PCC/SCC	Modulation PCC&SCC	Test Channel PCC/SCC	RB Config	OBW [MHz]	EBW [MHz]	Verdict
CA_7C	50RB+100RB	QPSK	20805+20949	50RB#0+100RB#0	27.53	28.58	PASS
CA_7C	50RB+100RB	16QAM	20805+20949	50RB#0+100RB#0	27.62	28.52	PASS
CA_7C	50RB+100RB	64QAM	20805+20949	50RB#0+100RB#0	27.55	28.58	PASS
CA_7C	50RB+100RB	QPSK	21006+21150	50RB#0+100RB#0	27.55	28.49	PASS
CA_7C	50RB+100RB	16QAM	21006+21150	50RB#0+100RB#0	27.55	28.52	PASS
CA_7C	50RB+100RB	64QAM	21006+21150	50RB#0+100RB#0	27.55	28.60	PASS
CA_7C	50RB+100RB	QPSK	21206+21350	50RB#0+100RB#0	27.50	28.58	PASS
CA_7C	50RB+100RB	16QAM	21206+21350	50RB#0+100RB#0	27.49	28.57	PASS
CA_7C	50RB+100RB	64QAM	21206+21350	50RB#0+100RB#0	27.52	28.55	PASS
CA_7C	75RB+50RB	QPSK	20825+20945	75RB#0+50RB#0	23.21	24.43	PASS
CA_7C	75RB+50RB	16QAM	20825+20945	75RB#0+50RB#0	23.15	24.39	PASS
CA_7C	75RB+50RB	64QAM	20825+20945	75RB#0+50RB#0	23.15	24.39	PASS
CA_7C	75RB+50RB	QPSK	21051+21171	75RB#0+50RB#0	23.25	24.45	PASS
CA_7C	75RB+50RB	16QAM	21051+21171	75RB#0+50RB#0	23.18	24.49	PASS
CA_7C	75RB+50RB	64QAM	21051+21171	75RB#0+50RB#0	23.17	24.45	PASS
CA_7C	75RB+50RB	QPSK	21277+21397	75RB#0+50RB#0	23.14	24.37	PASS
CA_7C	75RB+50RB	16QAM	21277+21397	75RB#0+50RB#0	23.29	24.33	PASS
CA_7C	75RB+50RB	64QAM	21277+21397	75RB#0+50RB#0	23.18	24.43	PASS
CA_7C	75RB+75RB	QPSK	20825+20975	75RB#0+75RB#0	28.16	29.17	PASS
CA_7C	75RB+75RB	16QAM	20825+20975	75RB#0+75RB#0	28.19	29.17	PASS
CA_7C	75RB+75RB	64QAM	20825+20975	75RB#0+75RB#0	28.18	29.18	PASS
CA_7C	75RB+75RB	QPSK	21025+21175	75RB#0+75RB#0	28.24	29.18	PASS
CA_7C	75RB+75RB	16QAM	21025+21175	75RB#0+75RB#0	28.31	29.12	PASS
CA_7C	75RB+75RB	64QAM	21025+21175	75RB#0+75RB#0	28.27	29.08	PASS
CA_7C	75RB+75RB	QPSK	21225+21375	75RB#0+75RB#0	28.15	29.17	PASS
CA_7C	75RB+75RB	16QAM	21225+21375	75RB#0+75RB#0	28.19	29.23	PASS
CA_7C	75RB+75RB	64QAM	21225+21375	75RB#0+75RB#0	28.16	29.20	PASS
CA_7C	75RB+100RB	QPSK	20828+20999	75RB#0+100RB#0	32.43	33.89	PASS
CA_7C	75RB+100RB	16QAM	20828+20999	75RB#0+100RB#0	32.45	33.93	PASS
CA_7C	75RB+100RB	64QAM	20828+20999	75RB#0+100RB#0	32.59	33.75	PASS
CA_7C	75RB+100RB	QPSK	21003+21174	75RB#0+100RB#0	32.17	33.81	PASS
CA_7C	75RB+100RB	16QAM	21003+21174	75RB#0+100RB#0	32.09	33.81	PASS
CA_7C	75RB+100RB	64QAM	21003+21174	75RB#0+100RB#0	32.55	33.81	PASS





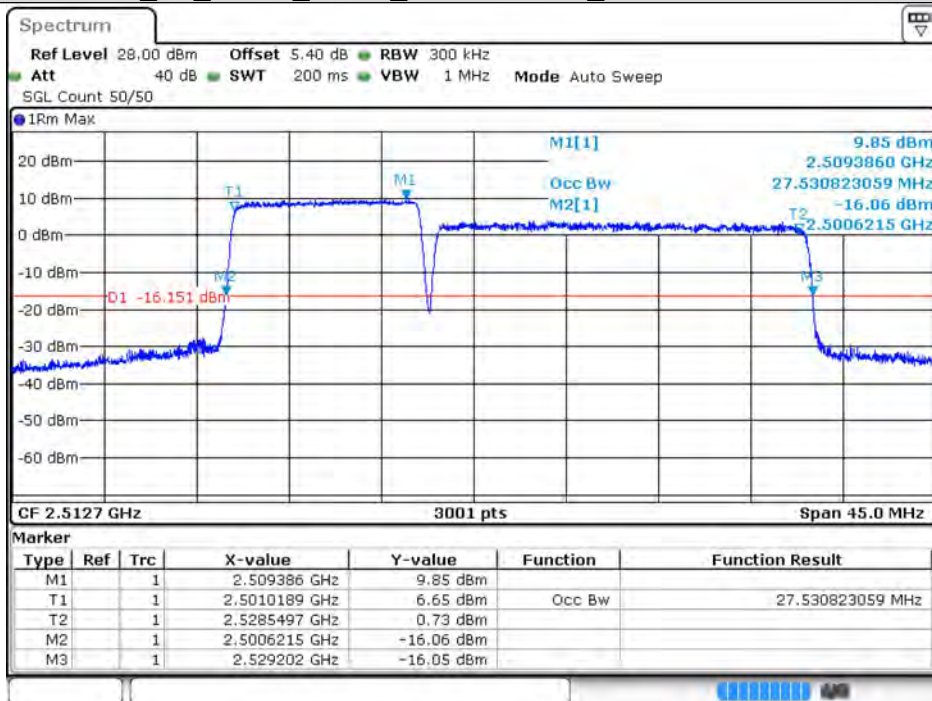
CA_7C	75RB+100RB	QPSK	21179+21350	75RB#0+100RB#0	32.29	33.87	PASS
CA_7C	75RB+100RB	16QAM	21179+21350	75RB#0+100RB#0	32.11	33.83	PASS
CA_7C	75RB+100RB	64QAM	21179+21350	75RB#0+100RB#0	32.45	33.83	PASS
CA_7C	100RB+50RB	QPSK	20850+20994	100RB#0+50RB#0	27.71	29.05	PASS
CA_7C	100RB+50RB	16QAM	20850+20994	100RB#0+50RB#0	27.70	28.97	PASS
CA_7C	100RB+50RB	64QAM	20850+20994	100RB#0+50RB#0	27.68	28.97	PASS
CA_7C	100RB+50RB	QPSK	21051+21195	100RB#0+50RB#0	27.74	29.15	PASS
CA_7C	100RB+50RB	16QAM	21051+21195	100RB#0+50RB#0	27.82	29.05	PASS
CA_7C	100RB+50RB	64QAM	21051+21195	100RB#0+50RB#0	27.79	29.05	PASS
CA_7C	100RB+50RB	QPSK	21251+21395	100RB#0+50RB#0	27.77	29.06	PASS
CA_7C	100RB+50RB	16QAM	21251+21395	100RB#0+50RB#0	27.62	29.08	PASS
CA_7C	100RB+50RB	64QAM	21251+21395	100RB#0+50RB#0	27.50	29.03	PASS
CA_7C	100RB+75RB	QPSK	20850+21021	100RB#0+75RB#0	32.47	33.93	PASS
CA_7C	100RB+75RB	16QAM	20850+21021	100RB#0+75RB#0	32.49	33.93	PASS
CA_7C	100RB+75RB	64QAM	20850+21021	100RB#0+75RB#0	32.47	33.91	PASS
CA_7C	100RB+75RB	QPSK	21026+21197	100RB#0+75RB#0	32.55	33.99	PASS
CA_7C	100RB+75RB	16QAM	21026+21197	100RB#0+75RB#0	32.55	33.95	PASS
CA_7C	100RB+75RB	64QAM	21026+21197	100RB#0+75RB#0	32.53	33.97	PASS
CA_7C	100RB+75RB	QPSK	21201+21372	100RB#0+75RB#0	32.51	33.97	PASS
CA_7C	100RB+75RB	16QAM	21201+21372	100RB#0+75RB#0	32.49	33.99	PASS
CA_7C	100RB+75RB	64QAM	21201+21372	100RB#0+75RB#0	32.57	33.95	PASS
CA_7C	100RB+100RB	QPSK	20850+21048	100RB#0+100RB#0	37.37	38.85	PASS
CA_7C	100RB+100RB	16QAM	20850+21048	100RB#0+100RB#0	37.39	38.67	PASS
CA_7C	100RB+100RB	64QAM	20850+21048	100RB#0+100RB#0	37.19	38.79	PASS
CA_7C	100RB+100RB	QPSK	21001+21199	100RB#0+100RB#0	36.97	38.89	PASS
CA_7C	100RB+100RB	16QAM	21001+21199	100RB#0+100RB#0	37.29	38.77	PASS
CA_7C	100RB+100RB	64QAM	21001+21199	100RB#0+100RB#0	37.11	38.77	PASS
CA_7C	100RB+100RB	QPSK	21152+21350	100RB#0+100RB#0	37.07	38.81	PASS
CA_7C	100RB+100RB	16QAM	21152+21350	100RB#0+100RB#0	36.87	38.87	PASS
CA_7C	100RB+100RB	64QAM	21152+21350	100RB#0+100RB#0	36.83	38.79	PASS



4.1 For LTE

4.1.1 Test Band = LTE Band CA_7C

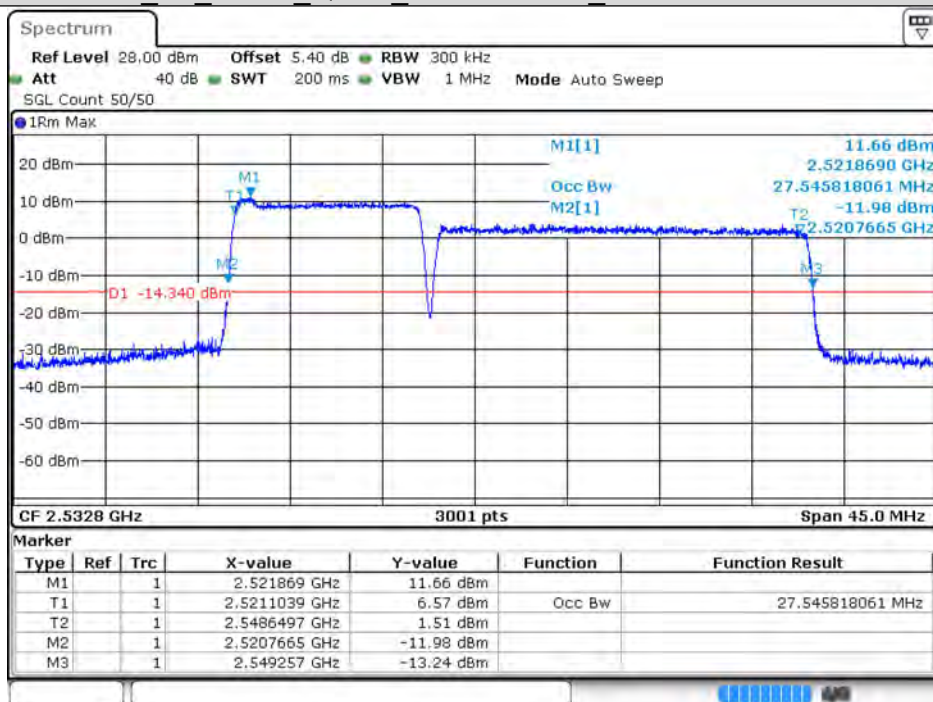
CA_7C_10+20_QPSK_20805+20949_50RB#0+100RB#0



Date: 19.OCT.2020 16:41:31

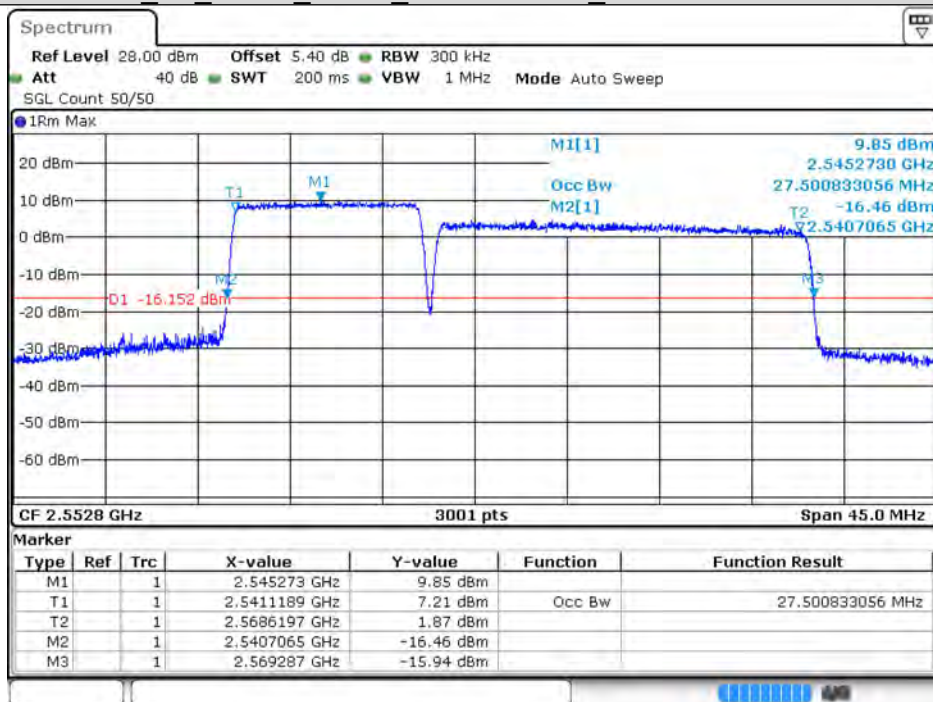


CA 7C 10+20 QPSK 21006+21150 50RB#0+100RB#0



Date: 19.OCT.2020 16:44:09

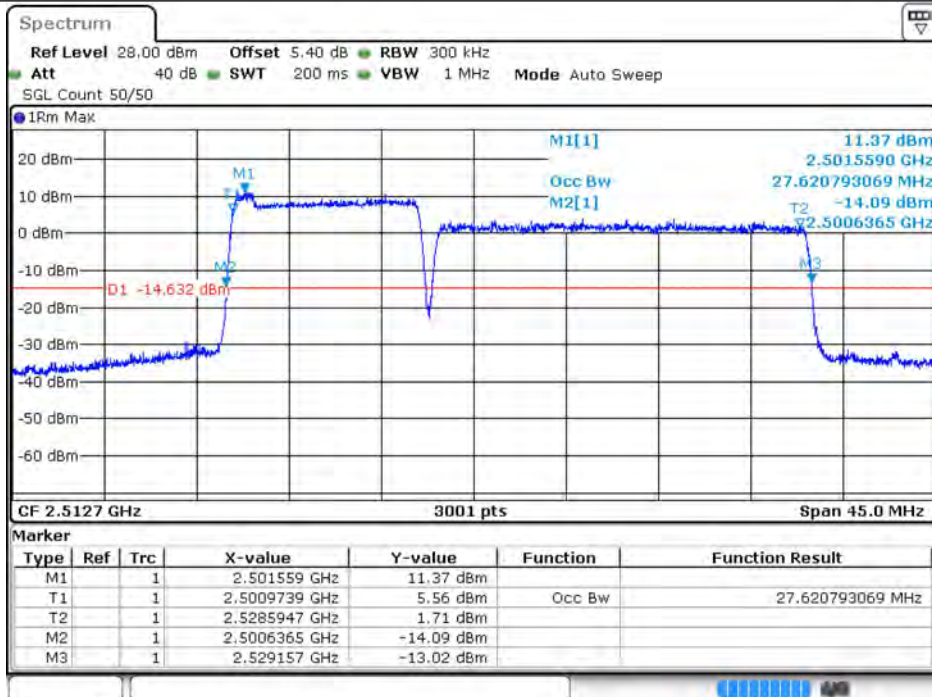
CA 7C 10+20 QPSK 21206+21350 50RB#0+100RB#0



Date: 19.OCT.2020 16:45:08

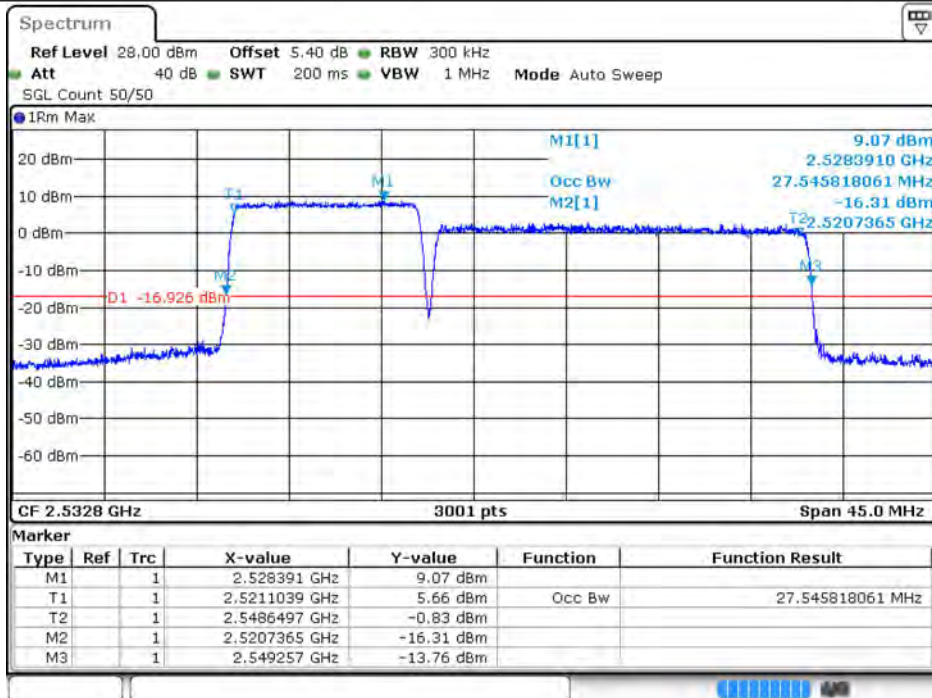


CA_7C_10+20_16QAM_20805+20949_50RB#0+100RB#0



Date: 19.OCT.2020 16:41:47

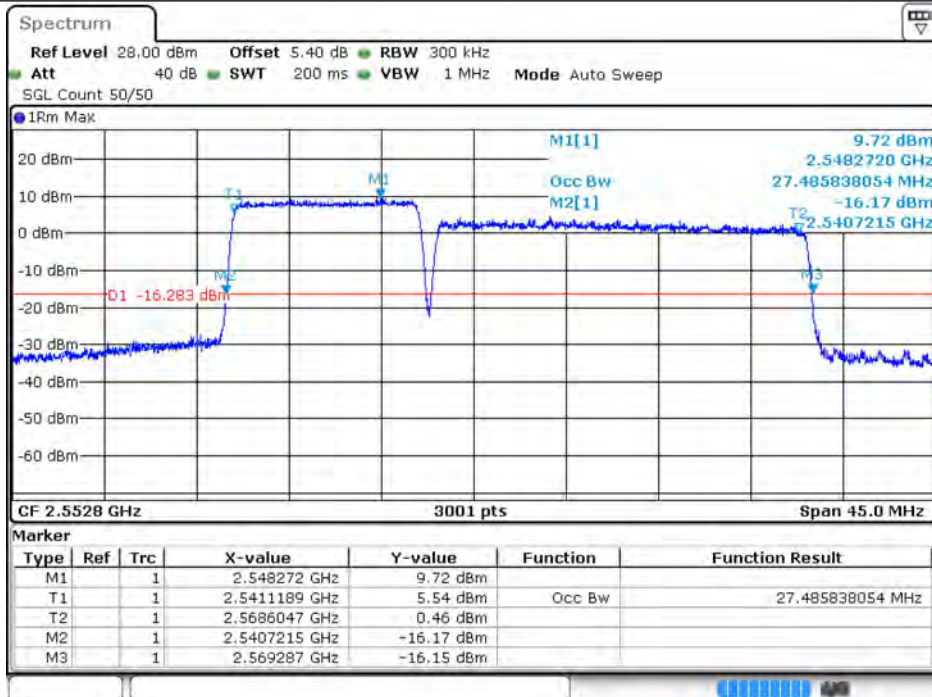
CA_7C_10+20_16QAM_21006+21150_50RB#0+100RB#0



Date: 19.OCT.2020 16:44:25

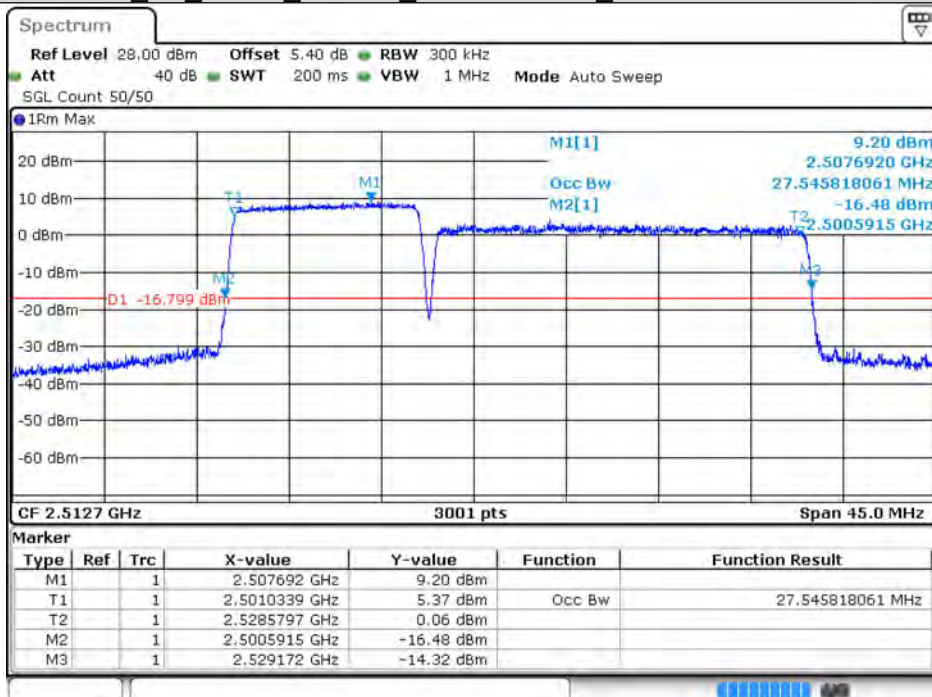


CA_7C_10+20_16QAM_21206+21350_50RB#0+100RB#0



Date: 19.OCT.2020 16:45:25

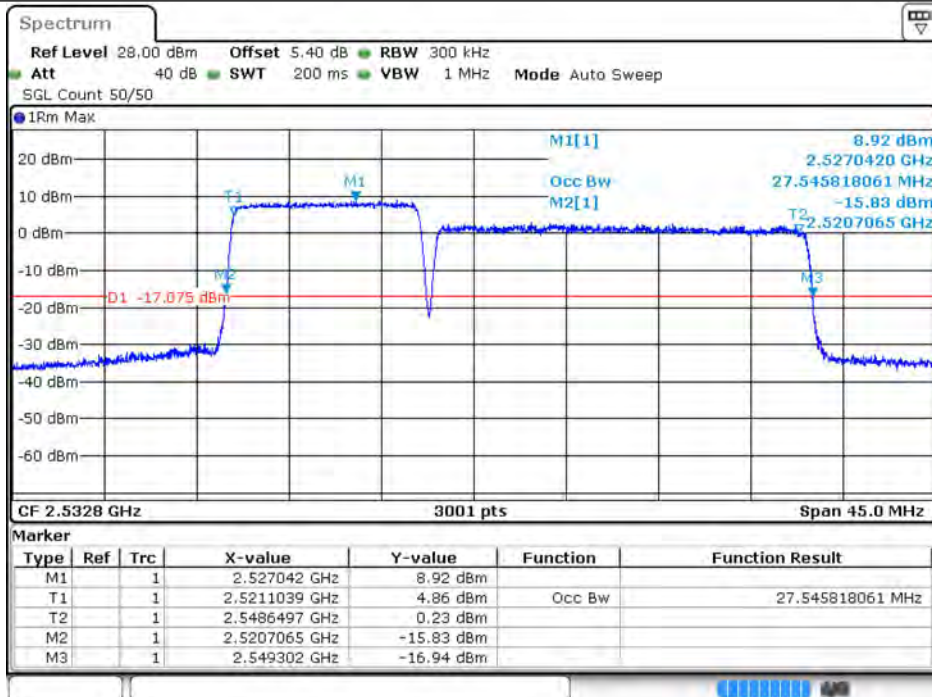
CA_7C_10+20_64QAM_20805+20949_50RB#0+100RB#0



Date: 19.OCT.2020 16:43:47

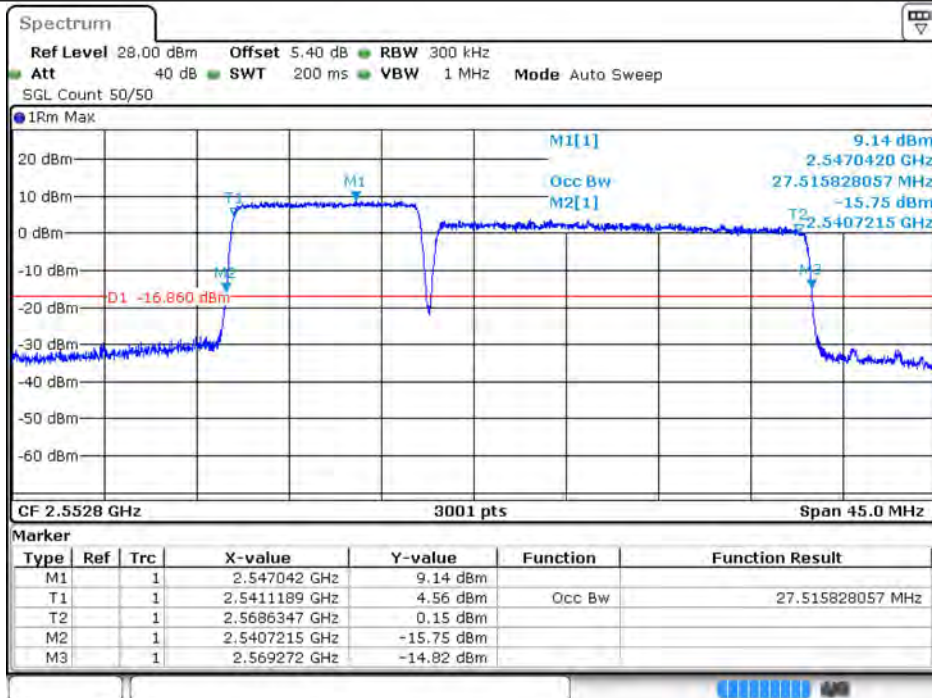


CA_7C_10+20_64QAM_21006+21150_50RB#0+100RB#0



Date: 19.OCT.2020 16:44:41

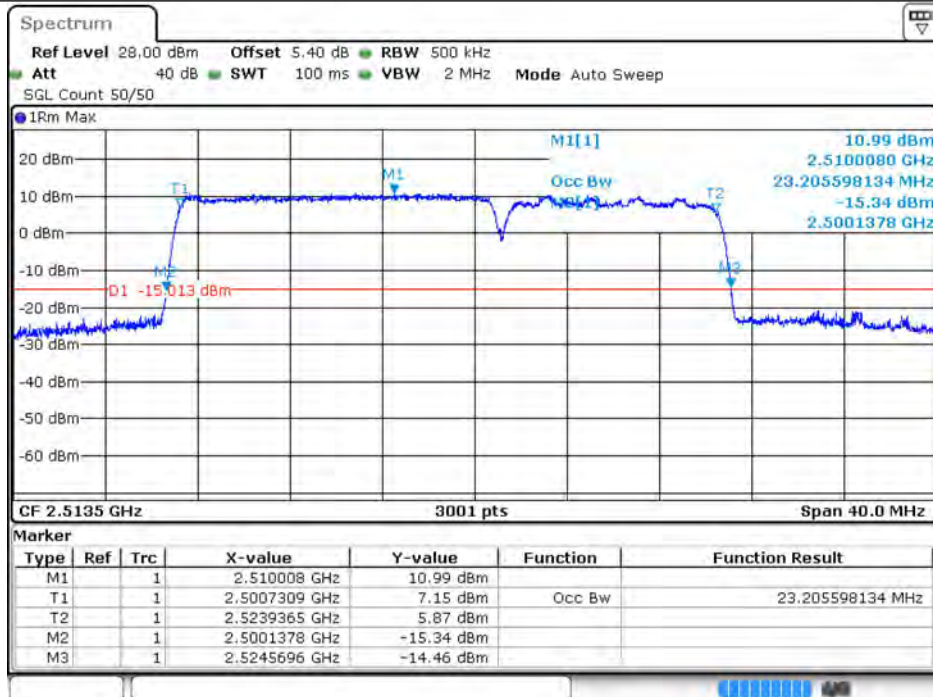
CA_7C_10+20_64QAM_21206+21350_50RB#0+100RB#0



Date: 19.OCT.2020 16:45:41

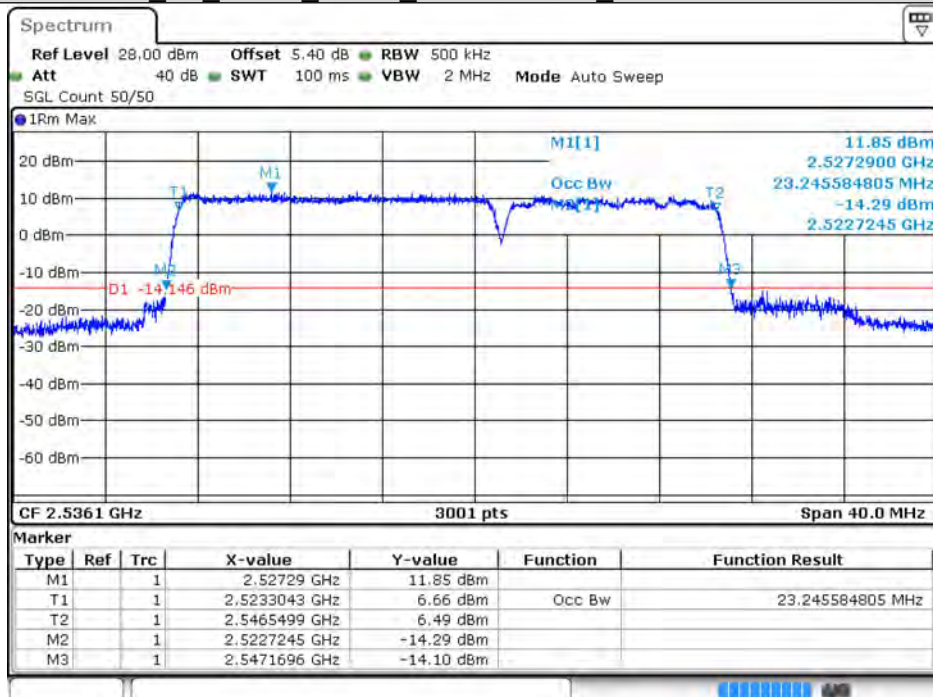


CA 7C 15+10 QPSK 20825+20945 75RB#0+50RB#0



Date: 19.OCT.2020 16:48:07

CA 7C 15+10 QPSK 21051+21171 75RB#0+50RB#0



Date: 19.OCT.2020 16:48:52



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (South China) EEC Laboratory

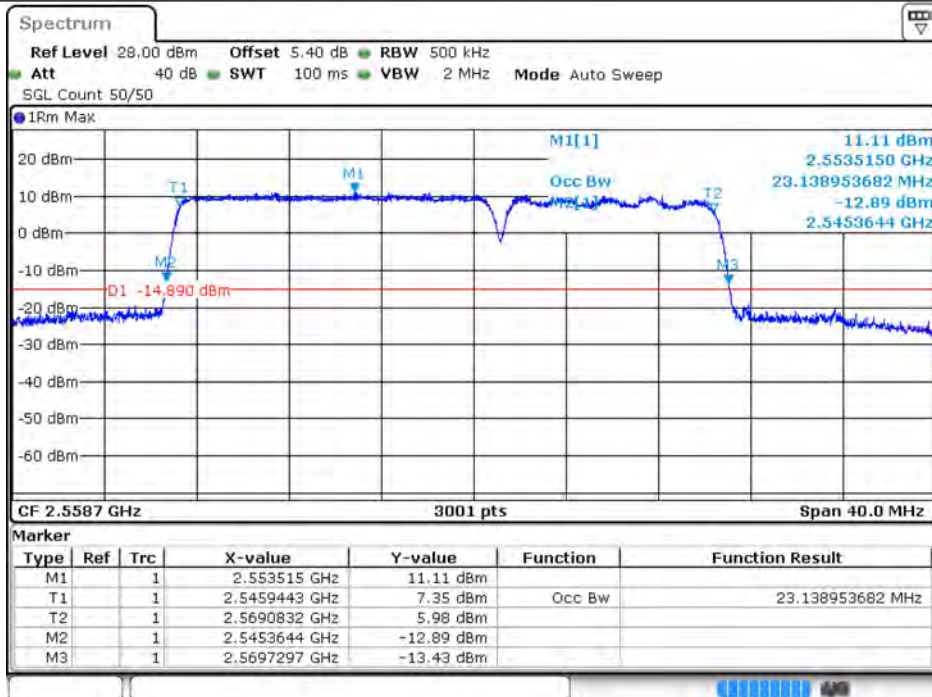
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 or criminal penalties. If 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@sqs.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

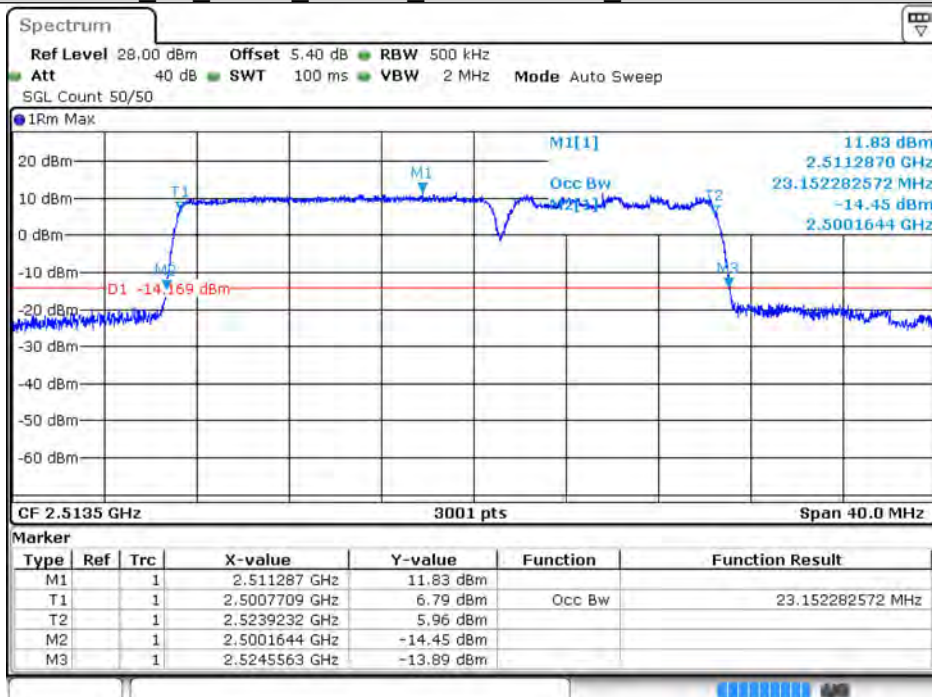
Member of the SGS Group (SGS SA)

CA 7C 15+10_QPSK 21277+21397 75RB#0+50RB#0



Date: 19.OCT.2020 16:49:31

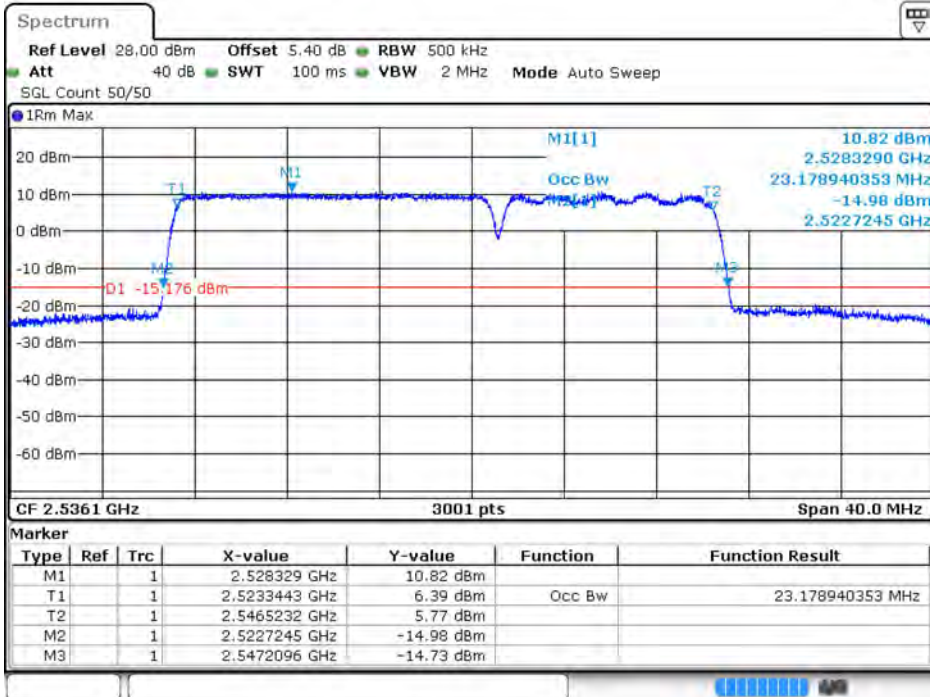
CA 7C 15+10 16QAM 20825+20945 75RB#0+50RB#0



Date: 19.OCT.2020 16:48:18

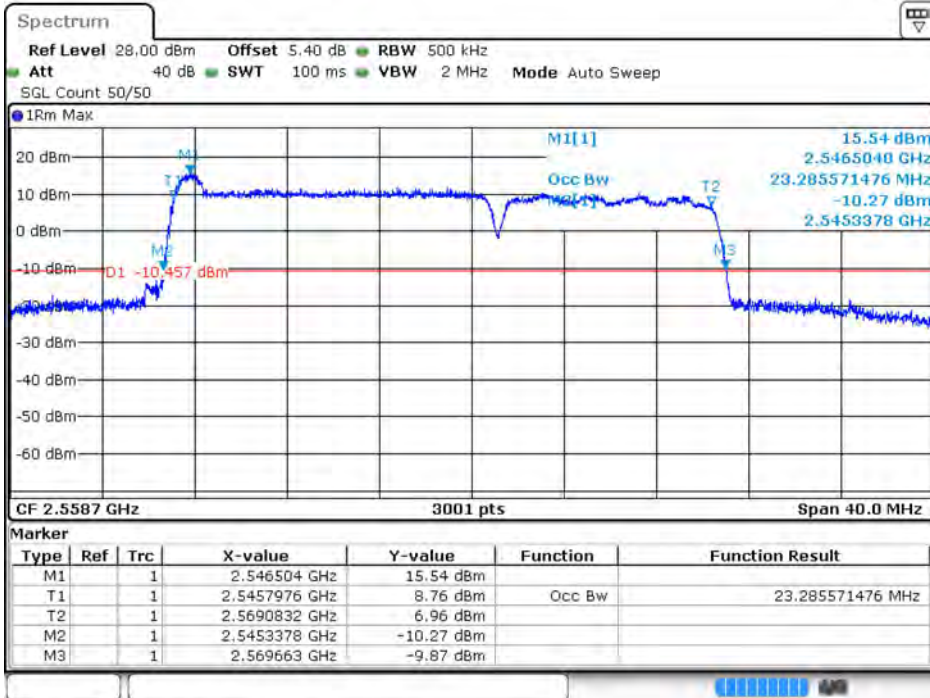


CA 7C_15+10_16QAM_21051+21171_75RB#0+50RB#0



Date: 19.OCT.2020 16:49:03

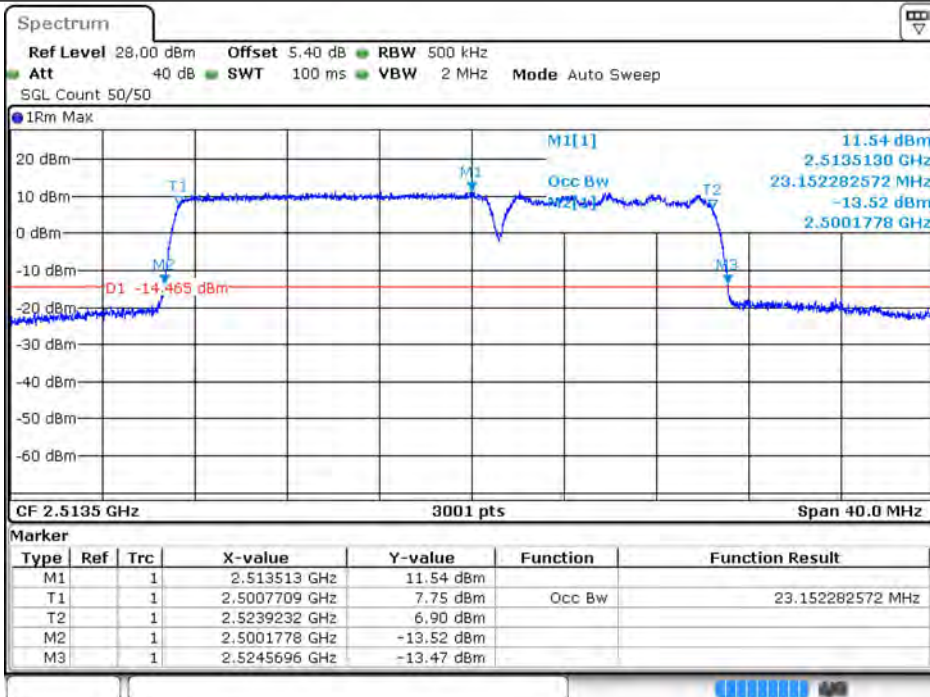
CA 7C_15+10_16QAM_21277+21397_75RB#0+50RB#0



Date: 19.OCT.2020 16:49:42

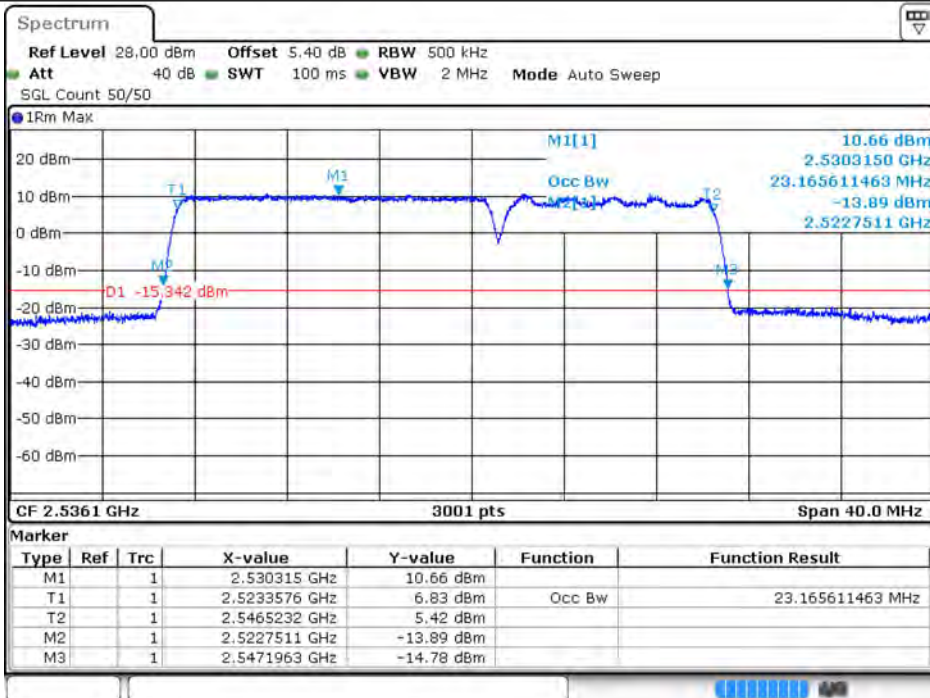


CA 7C_15+10_64QAM_20825+20945_75RB#0+50RB#0



Date: 19.OCT.2020 16:48:30

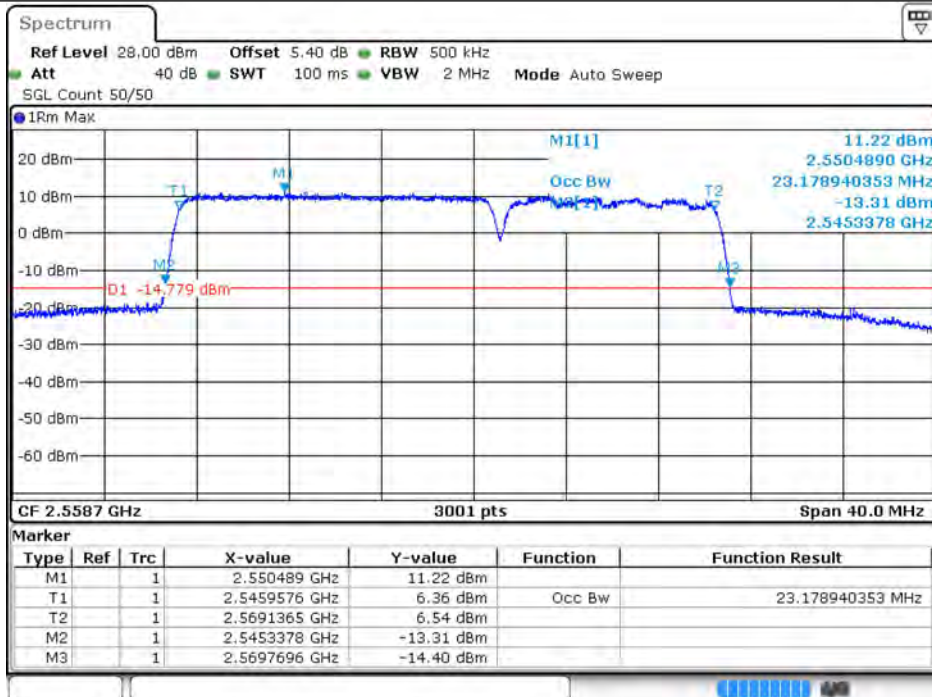
CA 7C_15+10_64QAM_21051+21171_75RB#0+50RB#0



Date: 19.OCT.2020 16:49:14

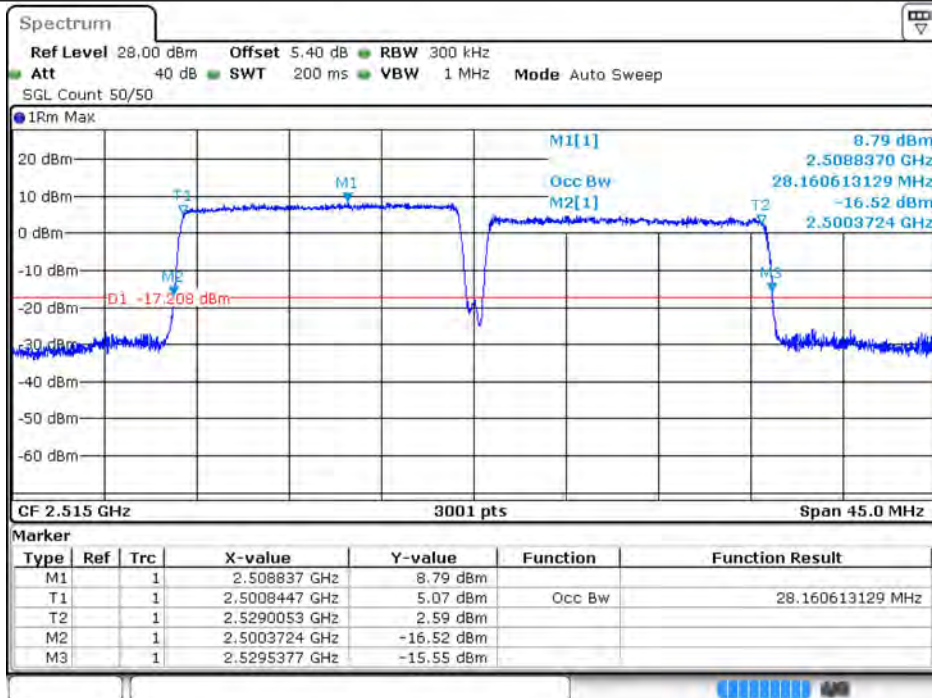


CA 7C 15+10 64QAM 21277+21397 75RB#0+50RB#0



Date: 19.OCT.2020 16:49:54

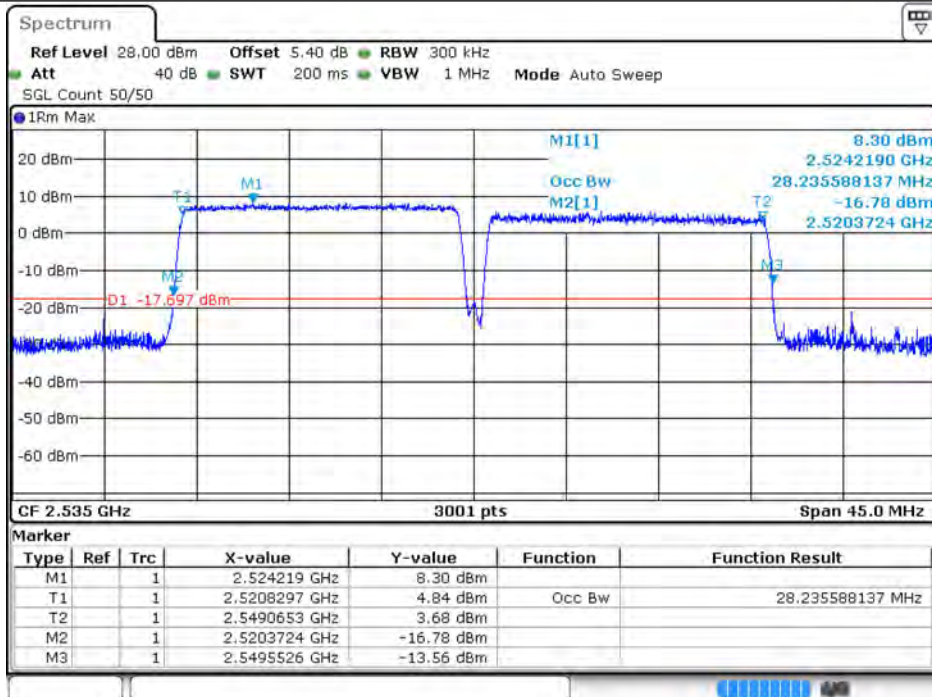
CA 7C 15+15 QPSK 20825+20975 75RB#0+75RB#0



Date: 19.OCT.2020 16:50:22

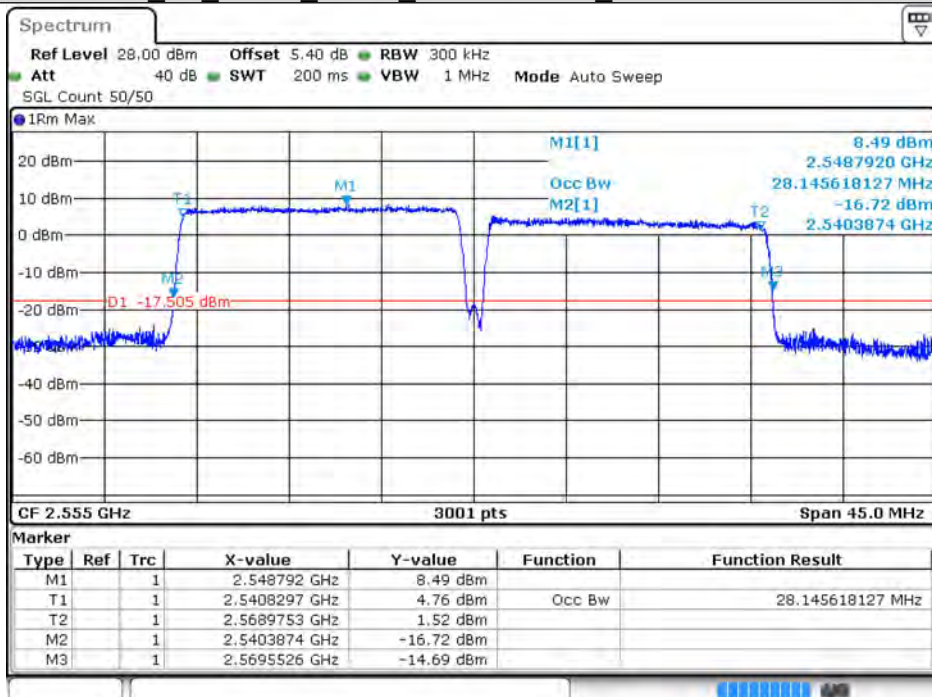


CA 7C 15+15_QPSK_21025+21175_75RB#0+75RB#0



Date: 19.OCT.2020 16:51:16

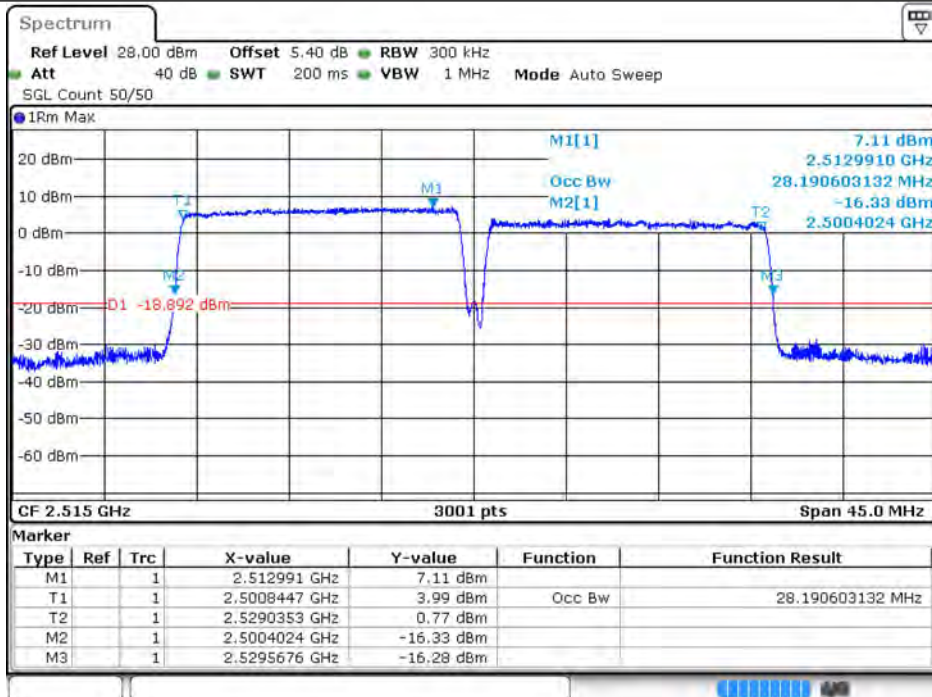
CA 7C 15+15_QPSK_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 16:52:13

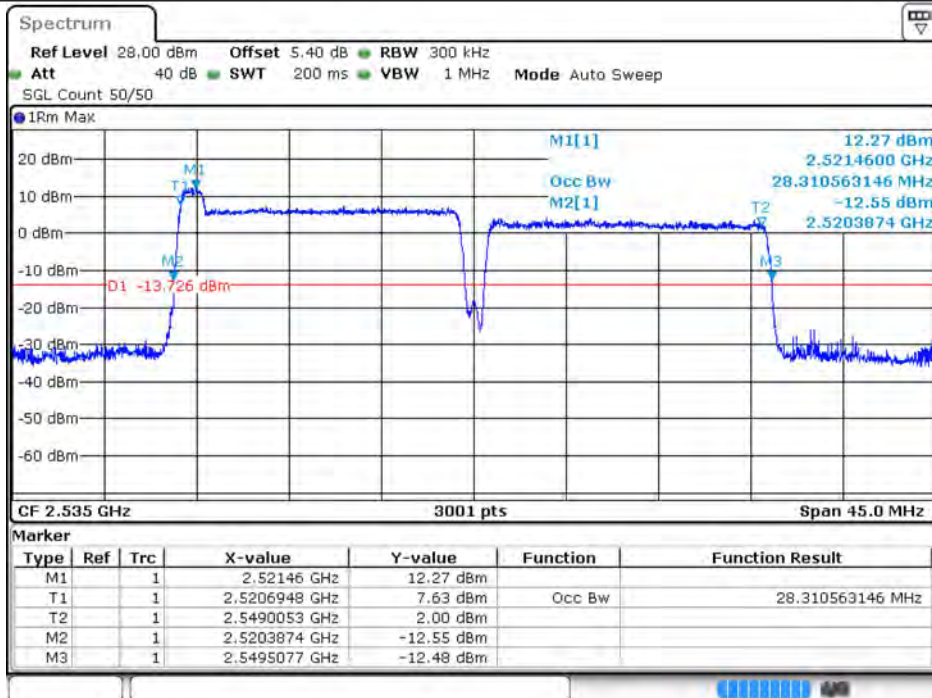


CA 7C_15+15_16QAM_20825+20975_75RB#0+75RB#0



Date: 19.OCT.2020 16:50:38

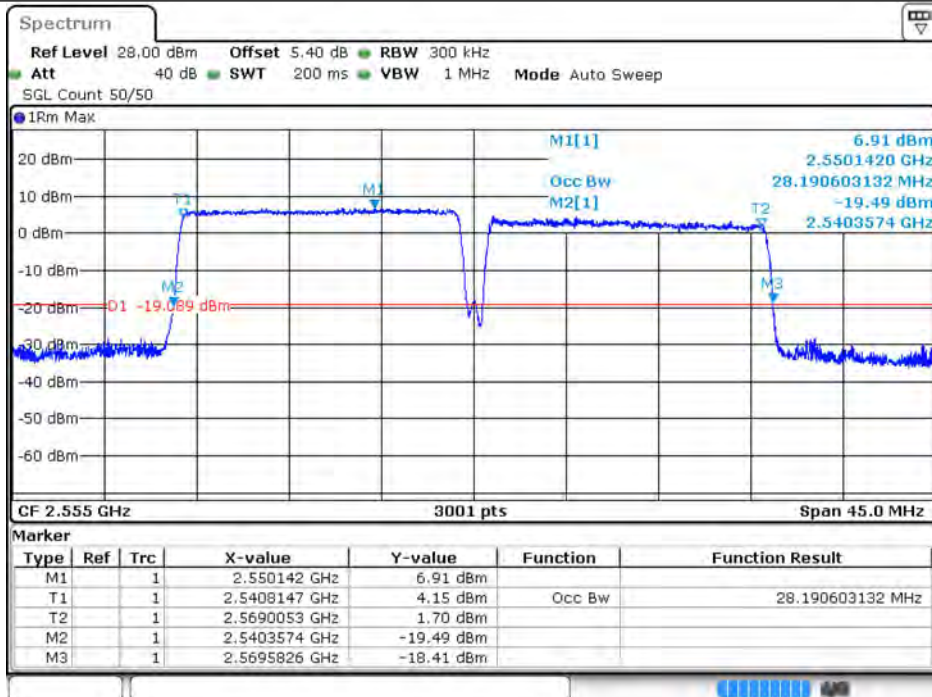
CA 7C_15+15_16QAM_21025+21175_75RB#0+75RB#0



Date: 19.OCT.2020 16:51:32

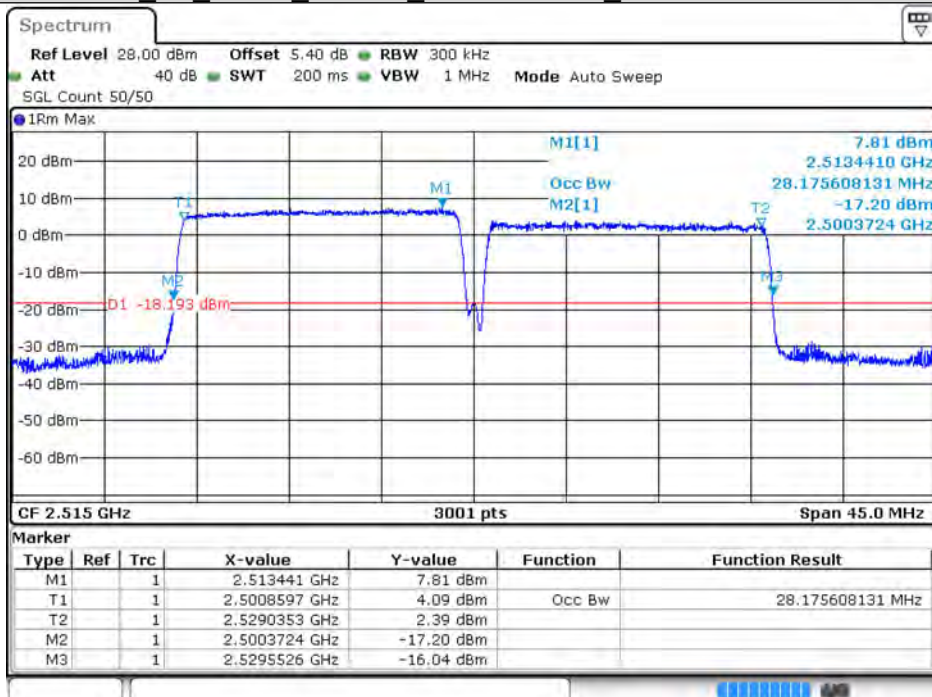


CA 7C_15+15_16QAM_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 16:52:30

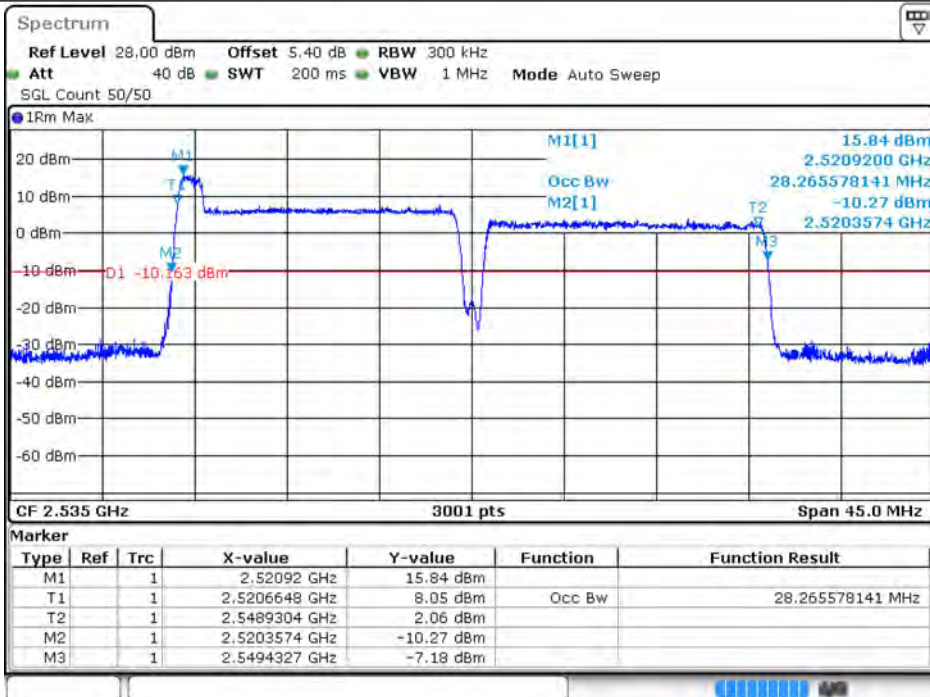
CA 7C_15+15_64QAM_20825+20975_75RB#0+75RB#0



Date: 19.OCT.2020 16:50:54

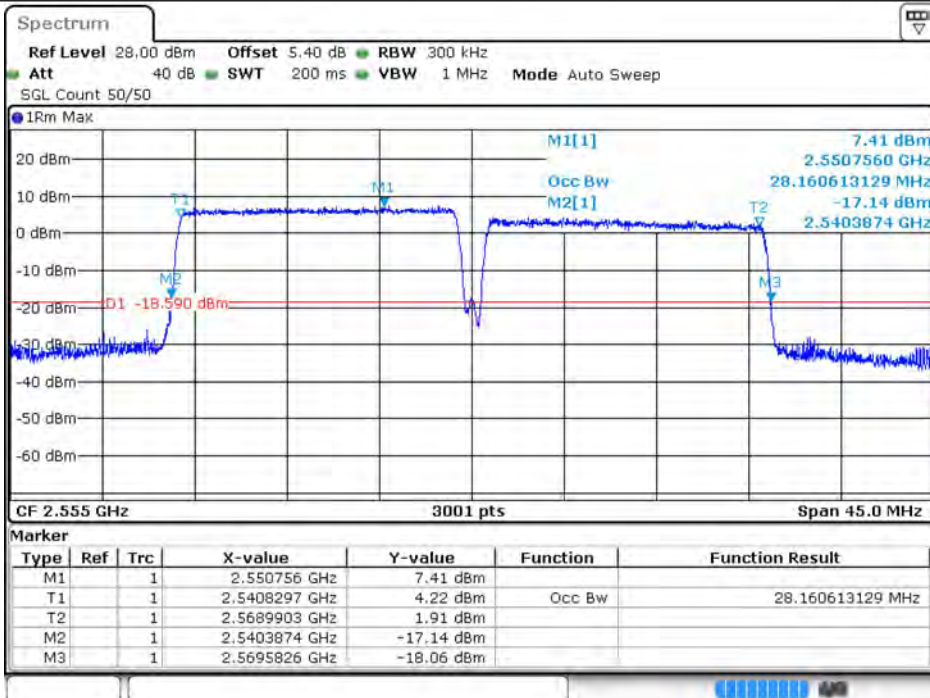


CA 7C_15+15_64QAM_21025+21175_75RB#0+75RB#0



Date: 19.OCT.2020 16:51:49

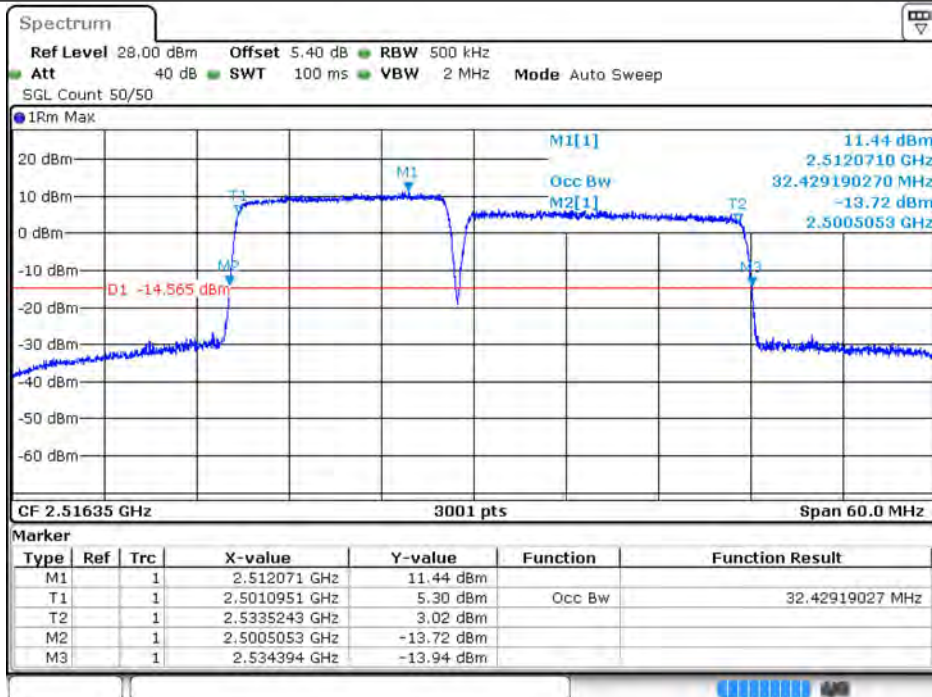
CA 7C_15+15_64QAM_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 16:52:46

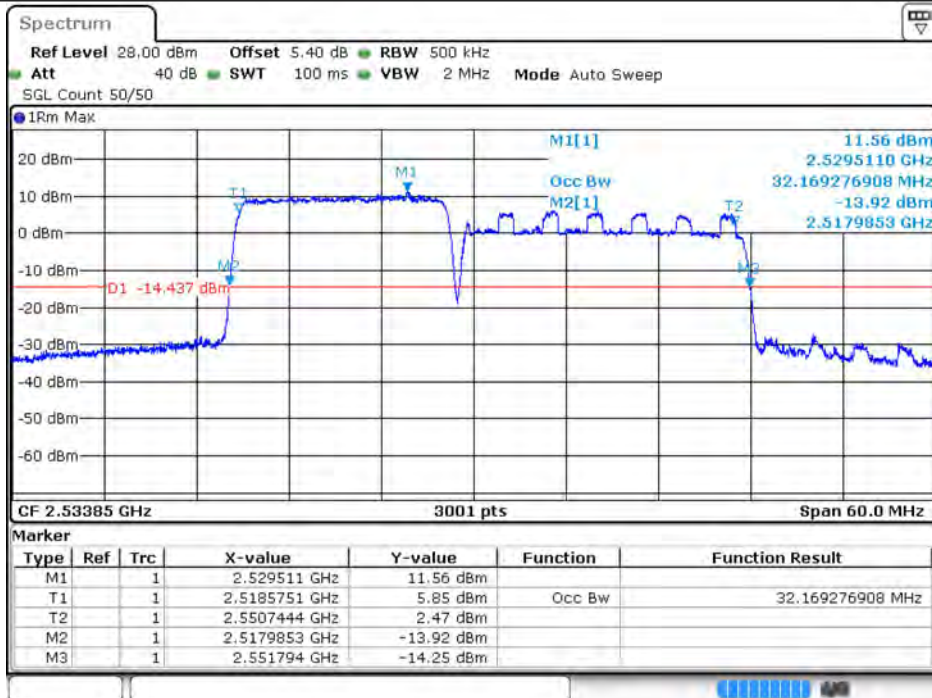


CA 7C 15+20 QPSK 20828+20999 75RB#0+100RB#0



Date: 19.OCT.2020 16:53:07

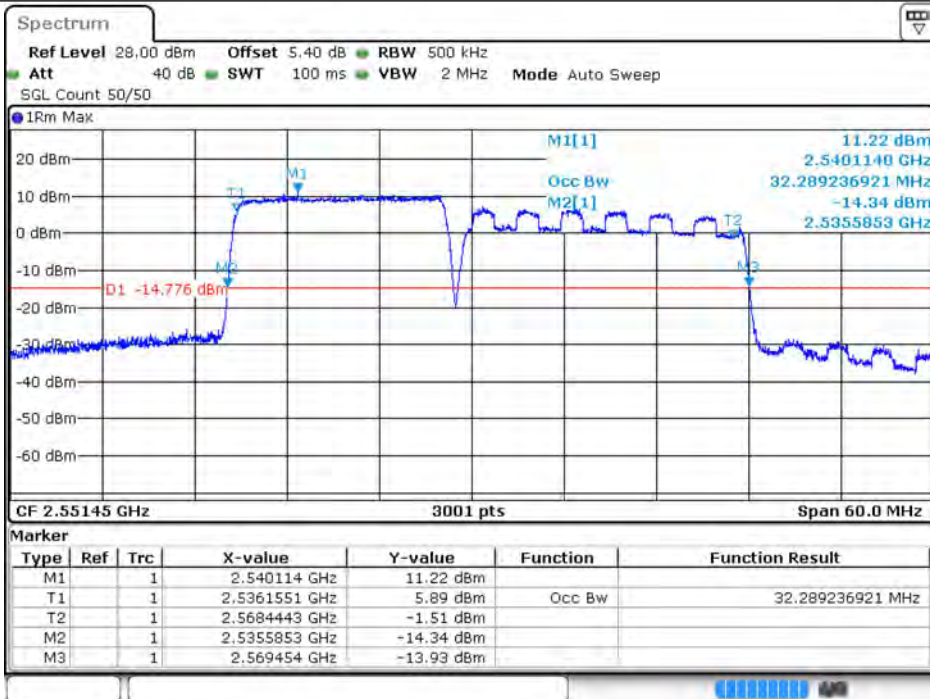
CA 7C 15+20 QPSK 21003+21174 75RB#0+100RB#0



Date: 19.OCT.2020 16:53:55

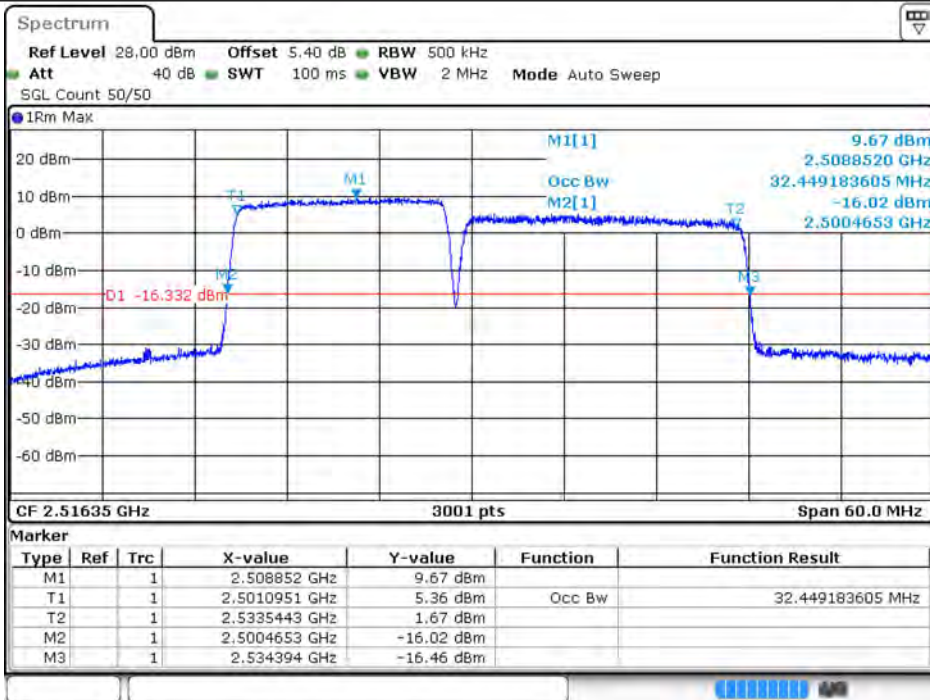


CA 7C 15+20 QPSK 21179+21350 75RB#0+100RB#0



Date: 19.OCT.2020 16:54:35

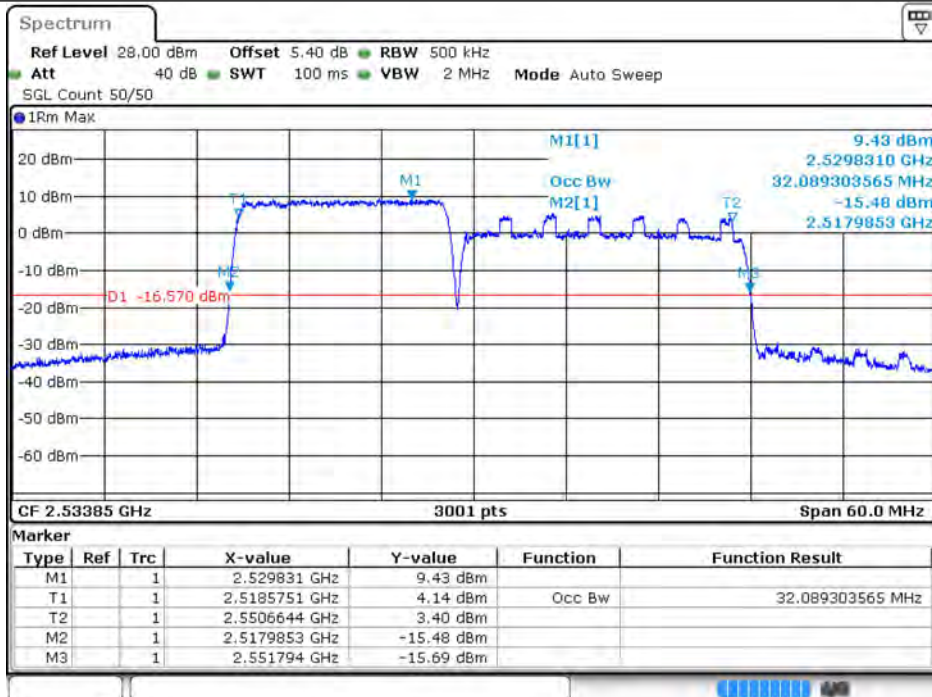
CA 7C 15+20 16QAM 20828+20999 75RB#0+100RB#0



Date: 19.OCT.2020 16:53:19



CA_7C_15+20_16QAM_21003+21174_75RB#0+100RB#0



Date: 19.OCT.2020 16:54:07

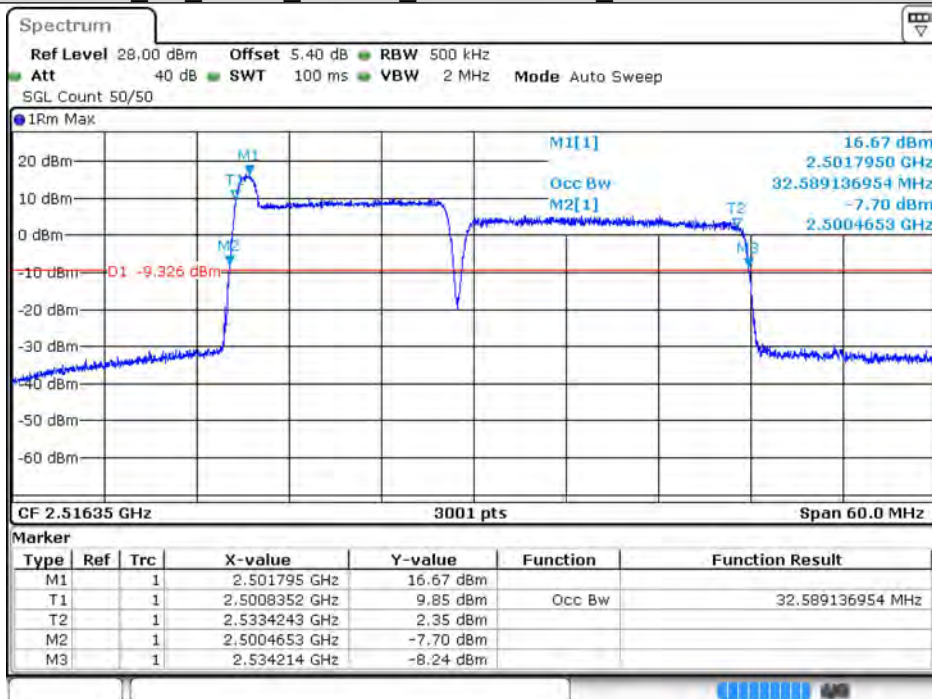
CA_7C_15+20_16QAM_21179+21350_75RB#0+100RB#0



Date: 19.OCT.2020 16:54:47

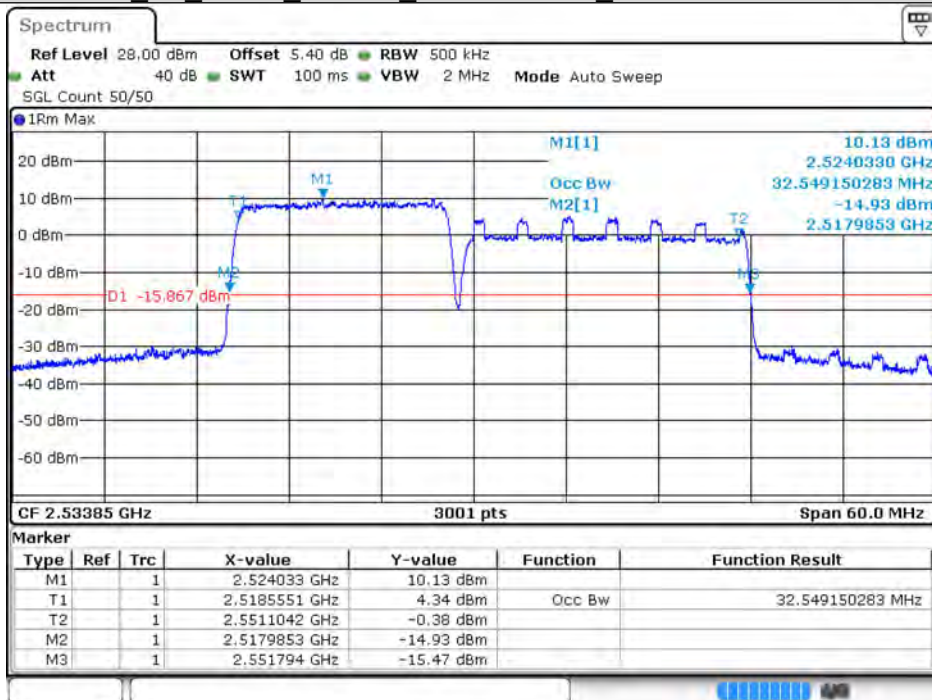


CA_7C_15+20_64QAM_20828+20999_75RB#0+100RB#0



Date: 19.OCT.2020 16:53:32

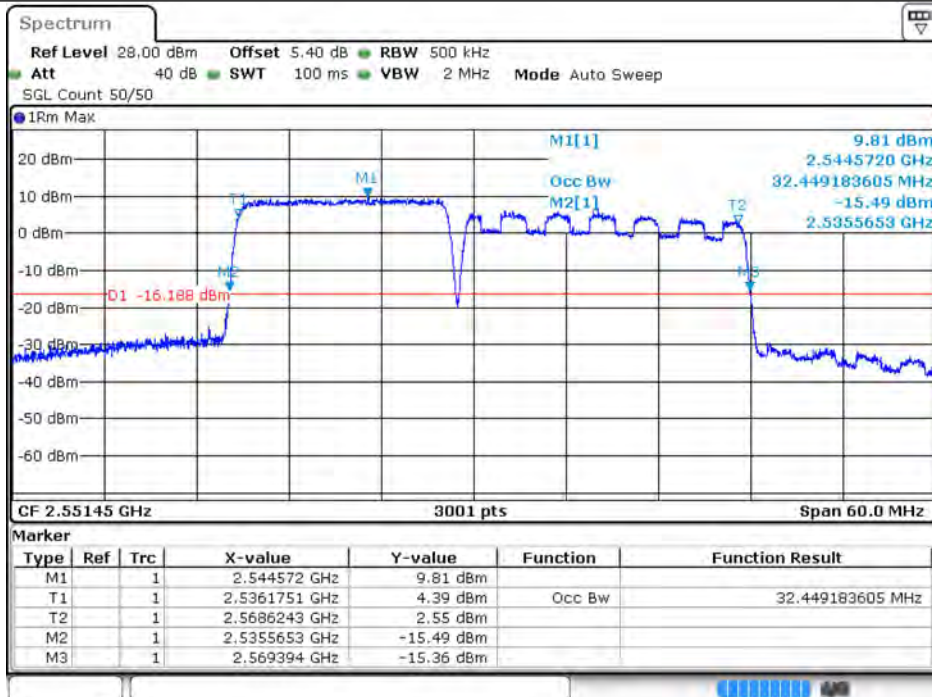
CA_7C_15+20_64QAM_21003+21174_75RB#0+100RB#0



Date: 19.OCT.2020 16:54:19

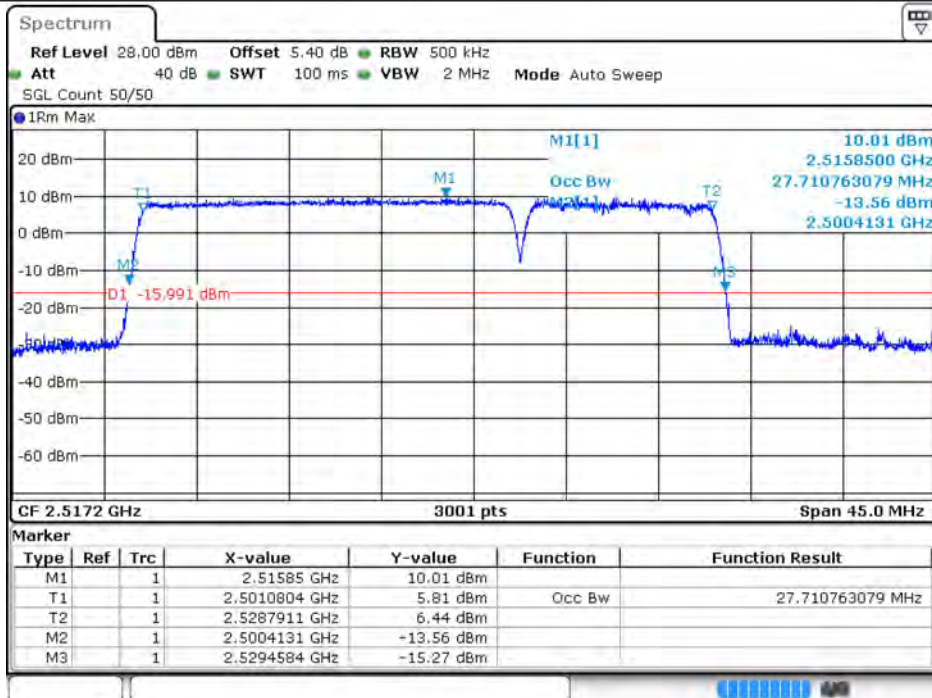


CA 7C 15+20 64QAM 21179+21350 75RB#0+100RB#0



Date: 19.OCT.2020 16:54:59

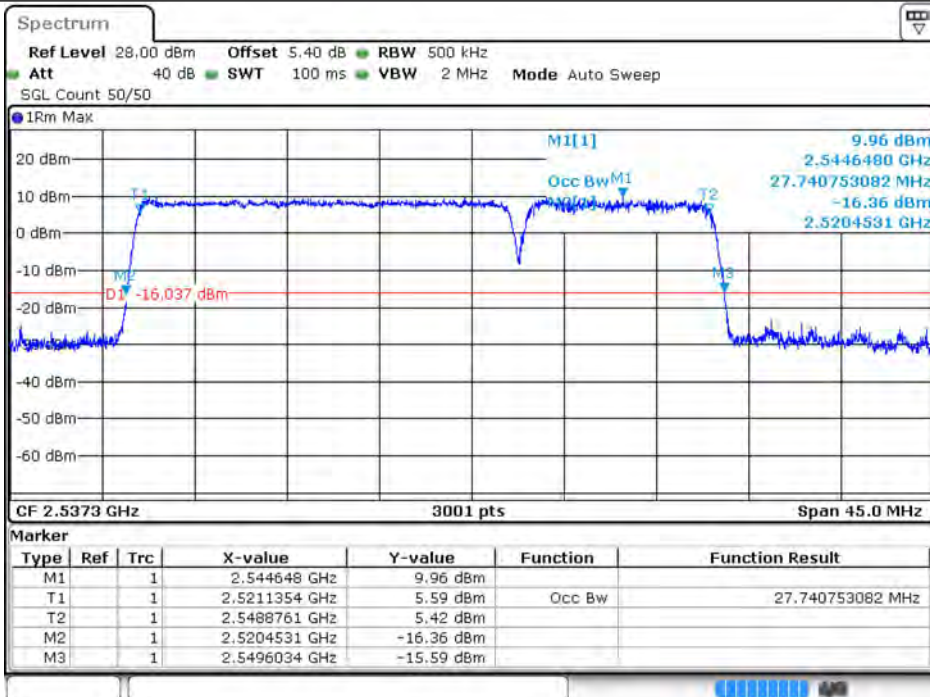
CA 7C 20+10 QPSK 20850+20994 100RB#0+50RB#0



Date: 19.OCT.2020 16:46:01

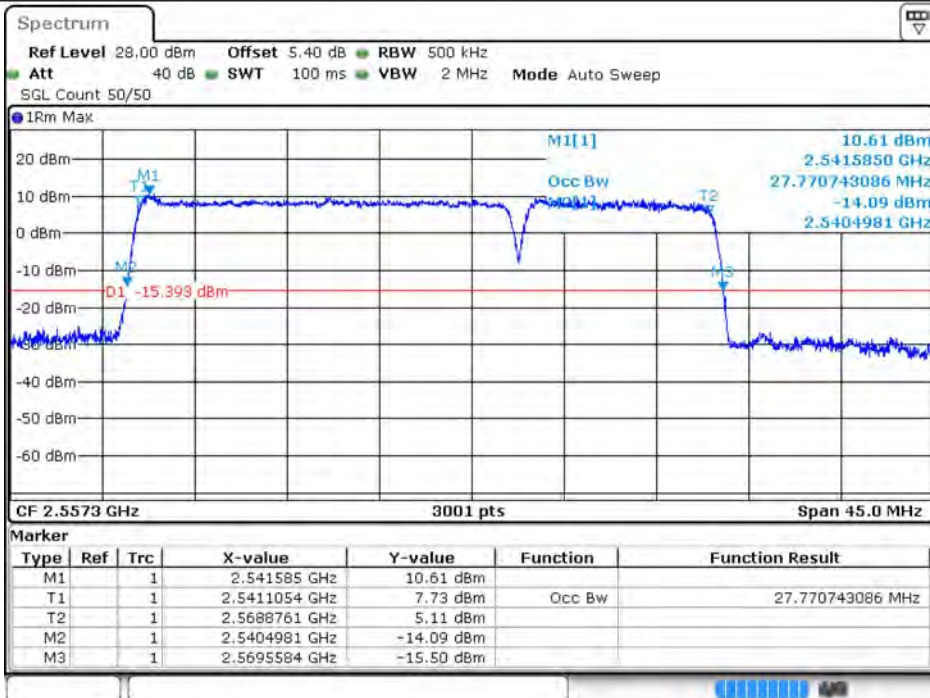


CA 7C 20+10 QPSK 21051+21195 100RB#0+50RB#0



Date: 19.OCT.2020 16:46:44

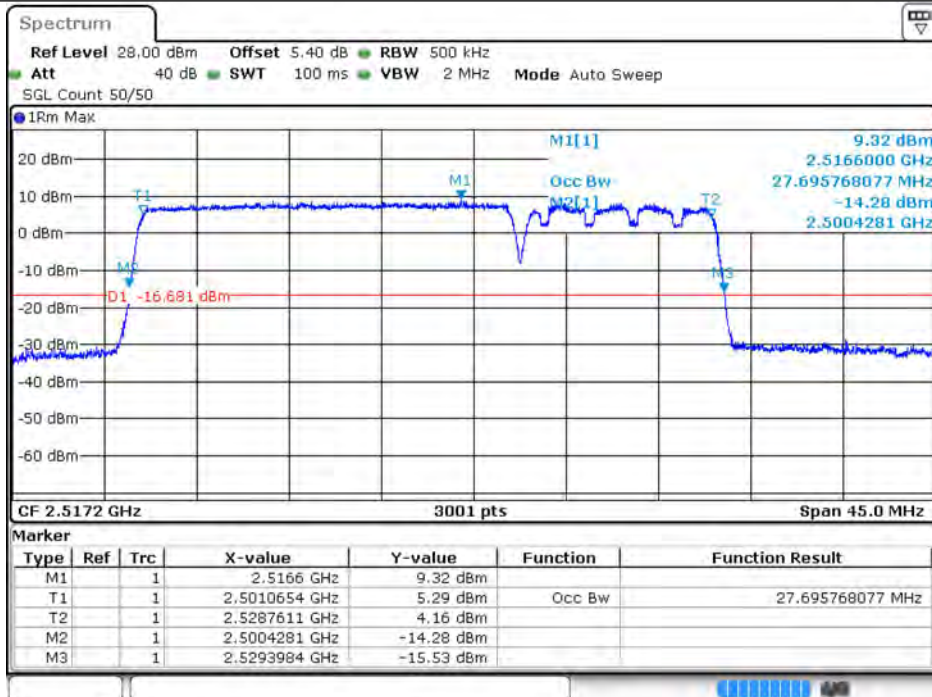
CA 7C 20+10 QPSK 21251+21395 100RB#0+50RB#0



Date: 19.OCT.2020 16:47:25

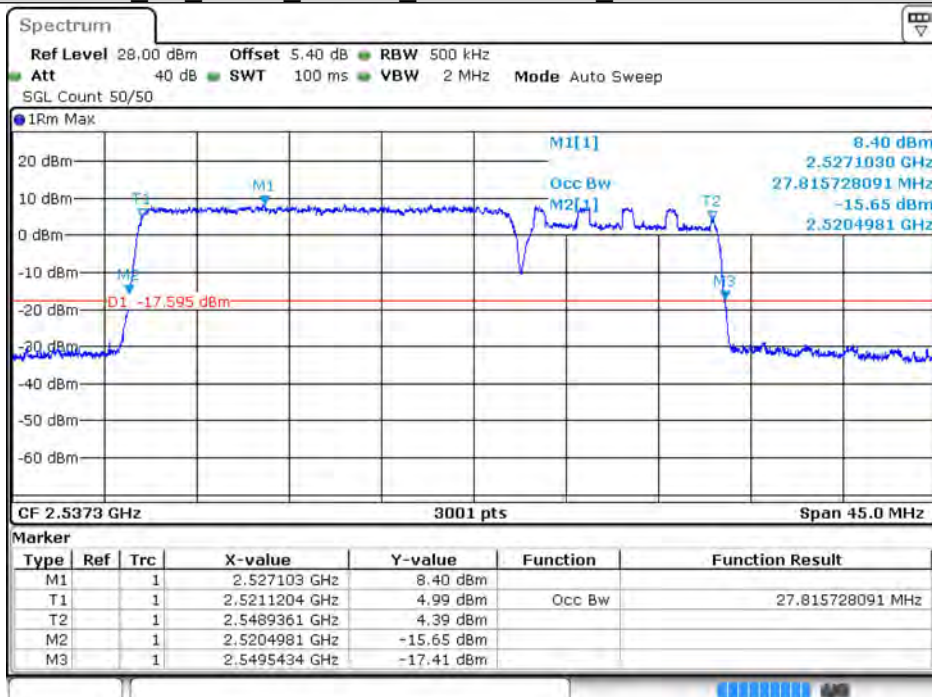


CA 7C 20+10 16QAM 20850+20994 100RB#0+50RB#0



Date: 19.OCT.2020 16:46:15

CA 7C 20+10 16QAM 21051+21195 100RB#0+50RB#0



Date: 19.OCT.2020 16:46:55

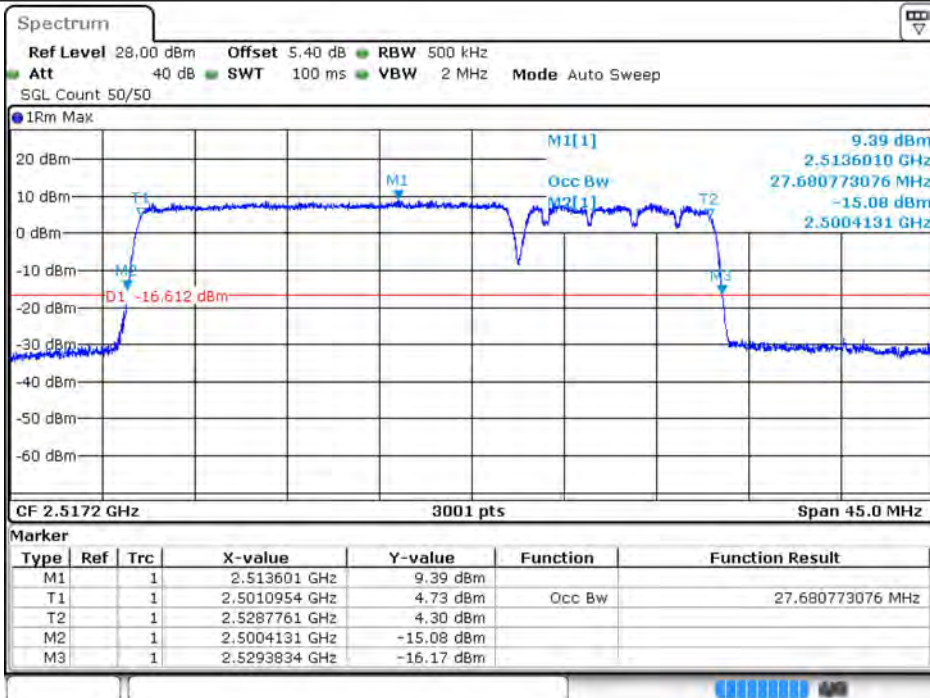


CA 7C 20+10 16QAM 21251+21395 100RB#0+50RB#0



Date: 19.OCT.2020 16:47:36

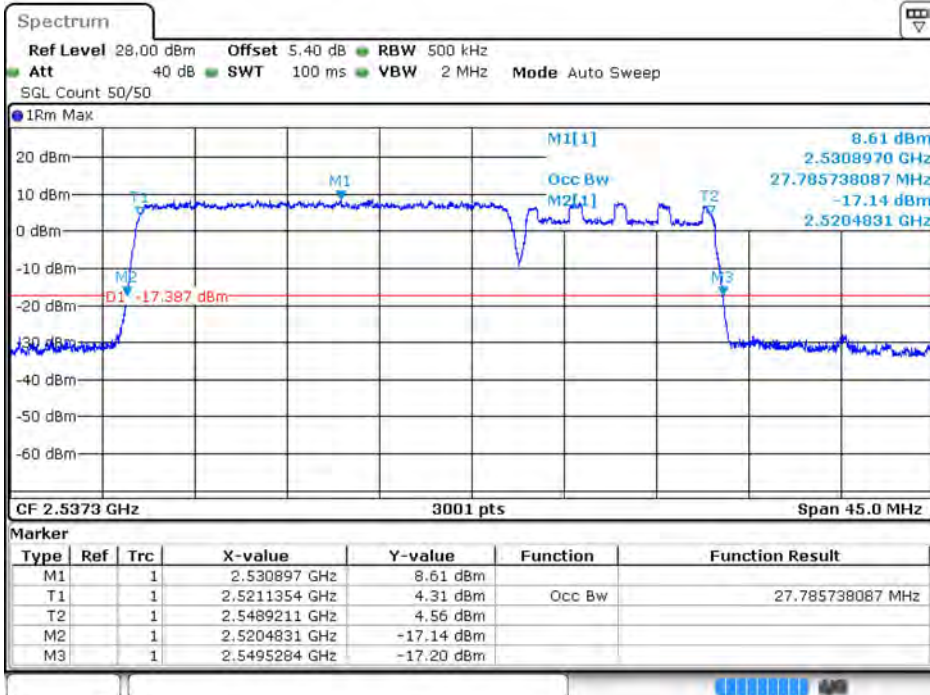
CA 7C 20+10 64QAM 20850+20994 100RB#0+50RB#0



Date: 19.OCT.2020 16:46:28



CA_7C_20+10_64QAM_21051+21195_100RB#0+50RB#0



Date: 19.OCT.2020 16:47:06

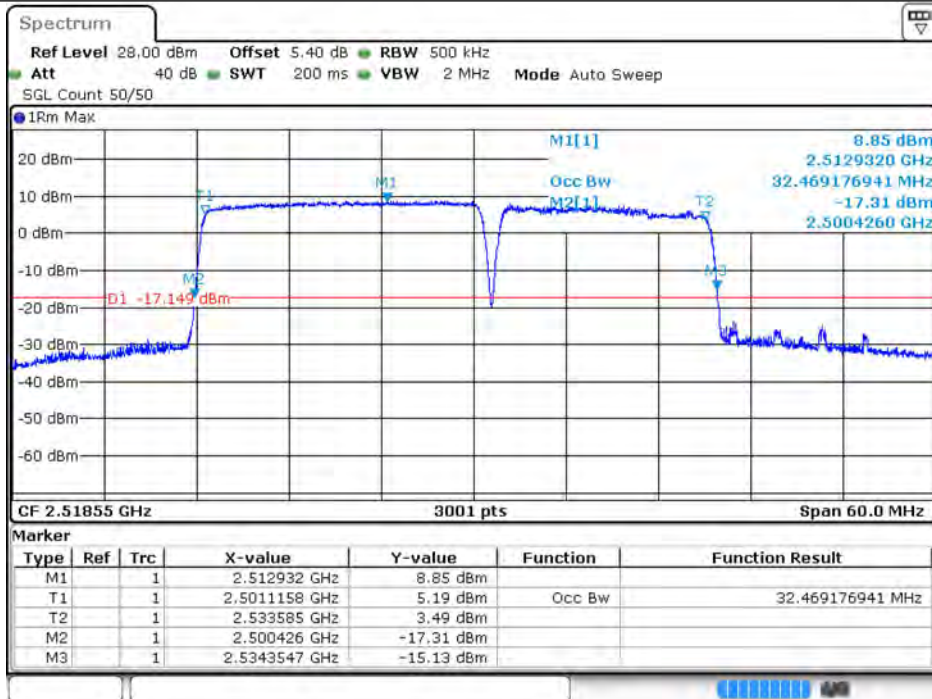
CA_7C_20+10_64QAM_21251+21395_100RB#0+50RB#0



Date: 19.OCT.2020 16:47:47

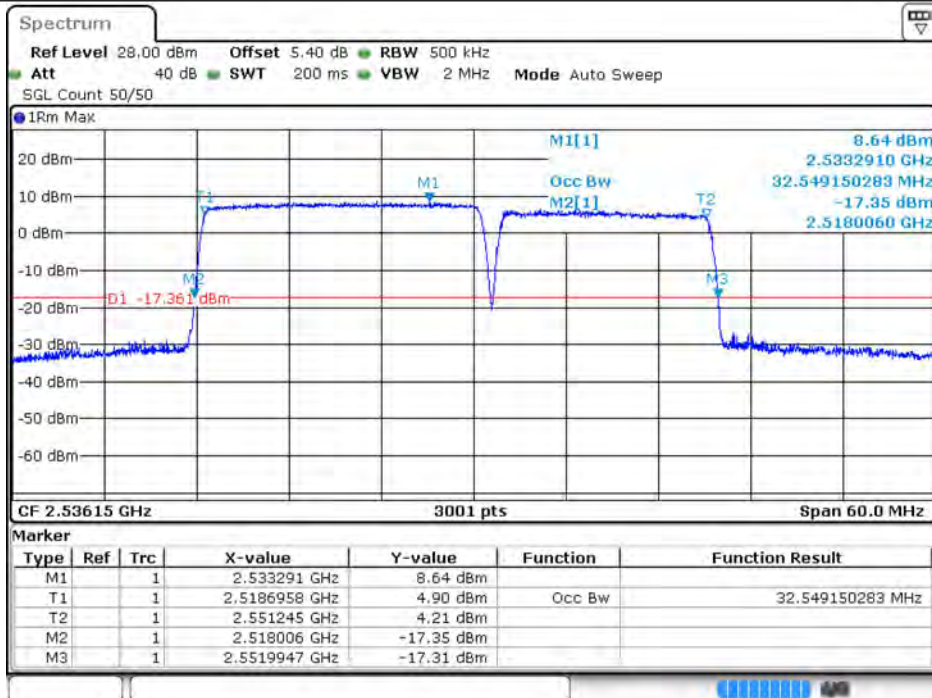


CA 7C 20+15 QPSK 20850+21021 100RB#0+75RB#0



Date: 19.OCT.2020 16:55:57

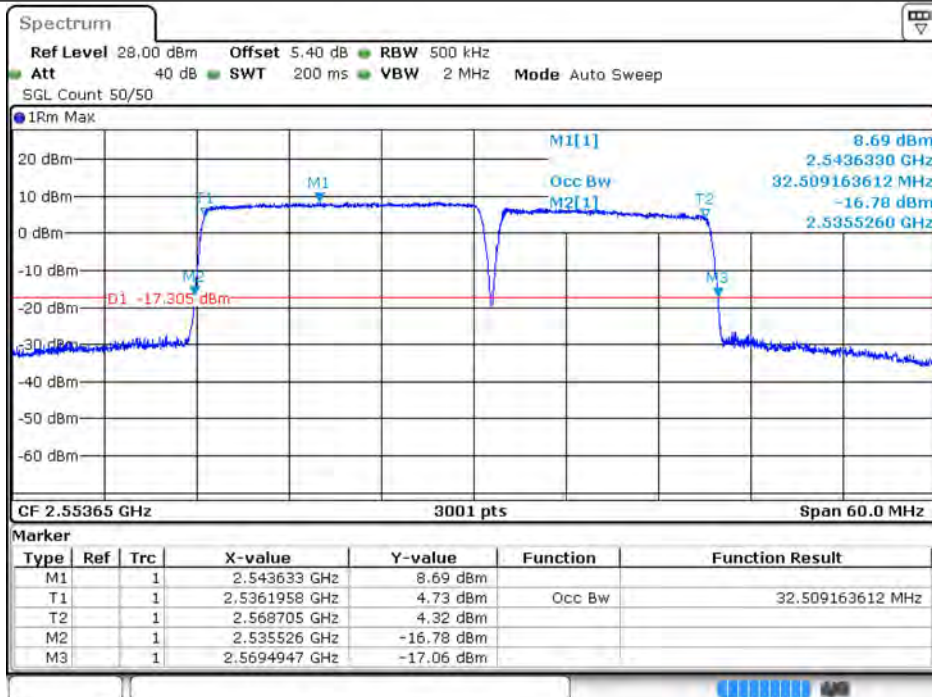
CA 7C 20+15 QPSK 21026+21197 100RB#0+75RB#0



Date: 19.OCT.2020 16:56:58

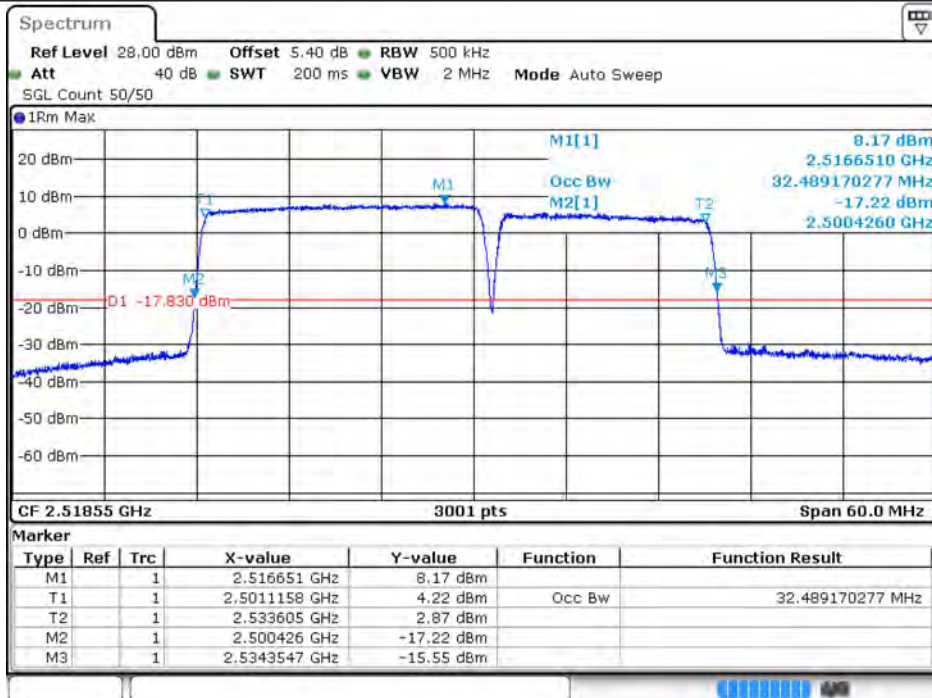


CA 7C 20+15 QPSK 21201+21372 100RB#0+75RB#0



Date: 19.OCT.2020 16:57:54

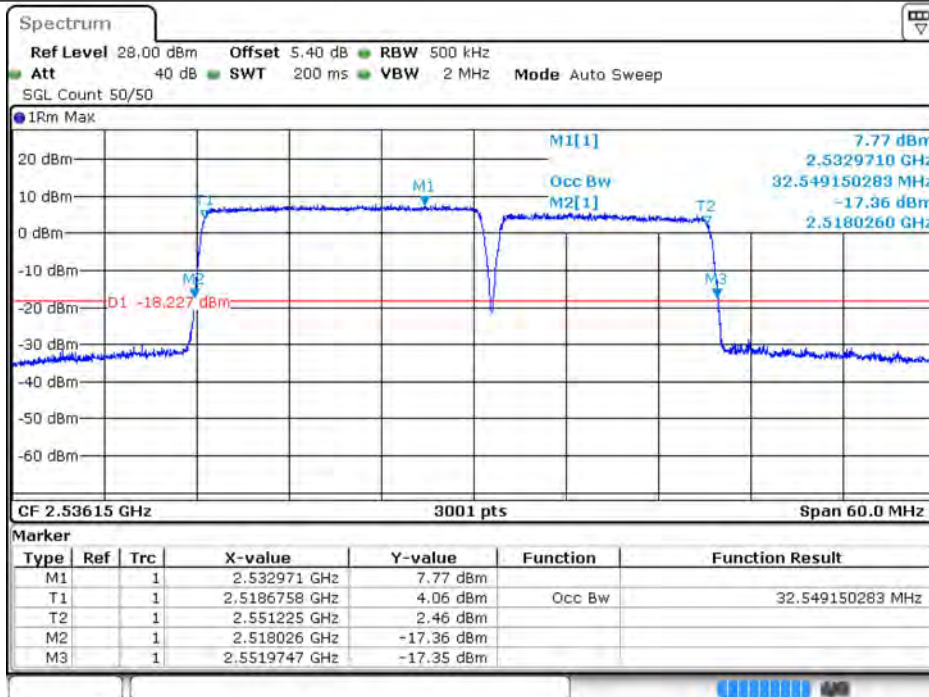
CA 7C 20+15 16QAM 20850+21021 100RB#0+75RB#0



Date: 19.OCT.2020 16:56:14

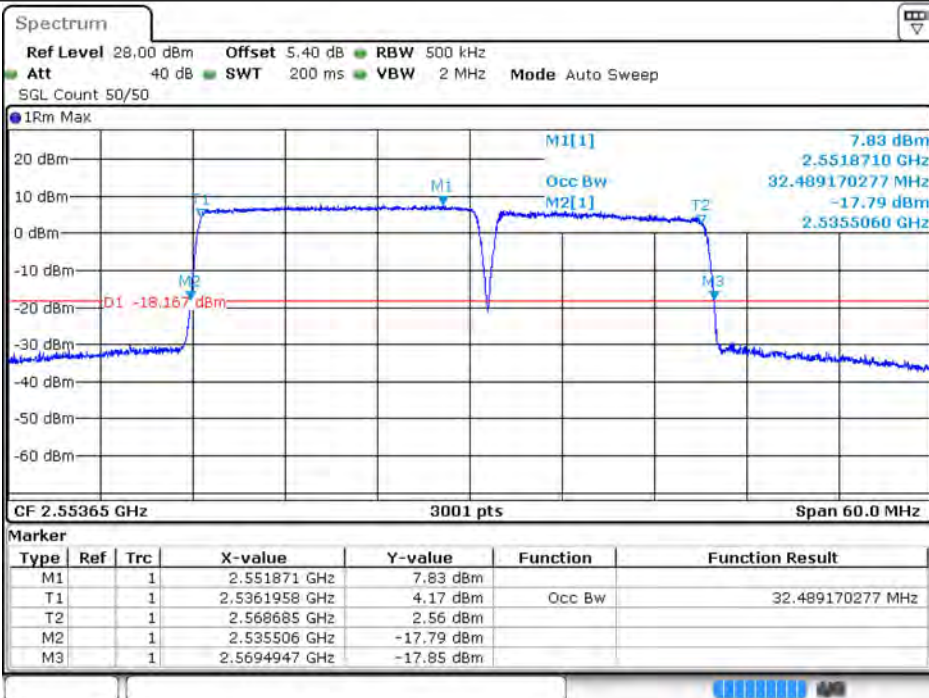


CA_7C_20+15_16QAM_21026+21197_100RB#0+75RB#0



Date: 19.OCT.2020 16:57:15

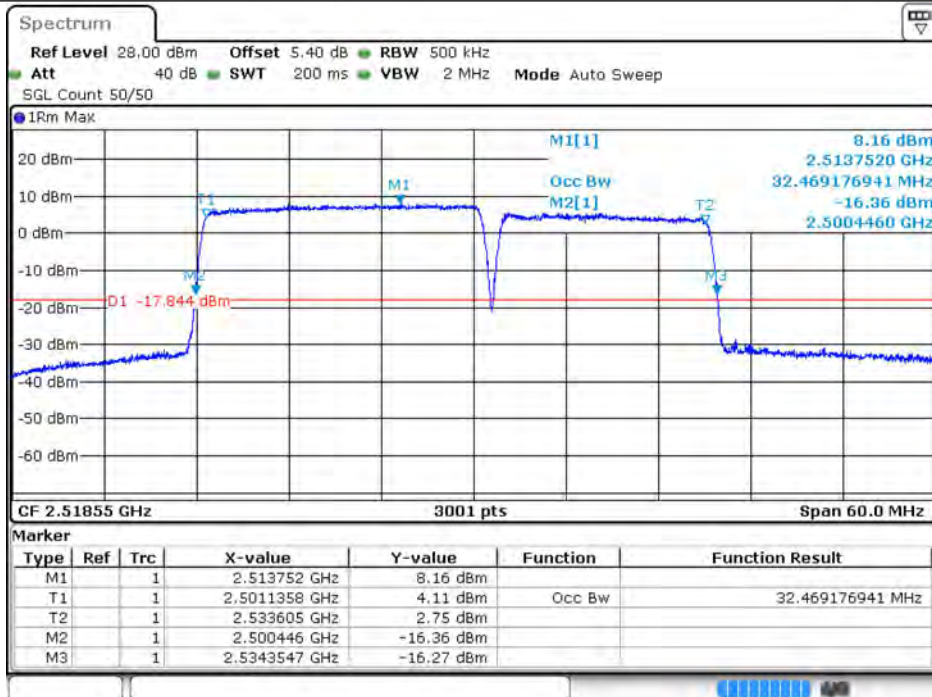
CA_7C_20+15_16QAM_21201+21372_100RB#0+75RB#0



Date: 19.OCT.2020 16:58:11

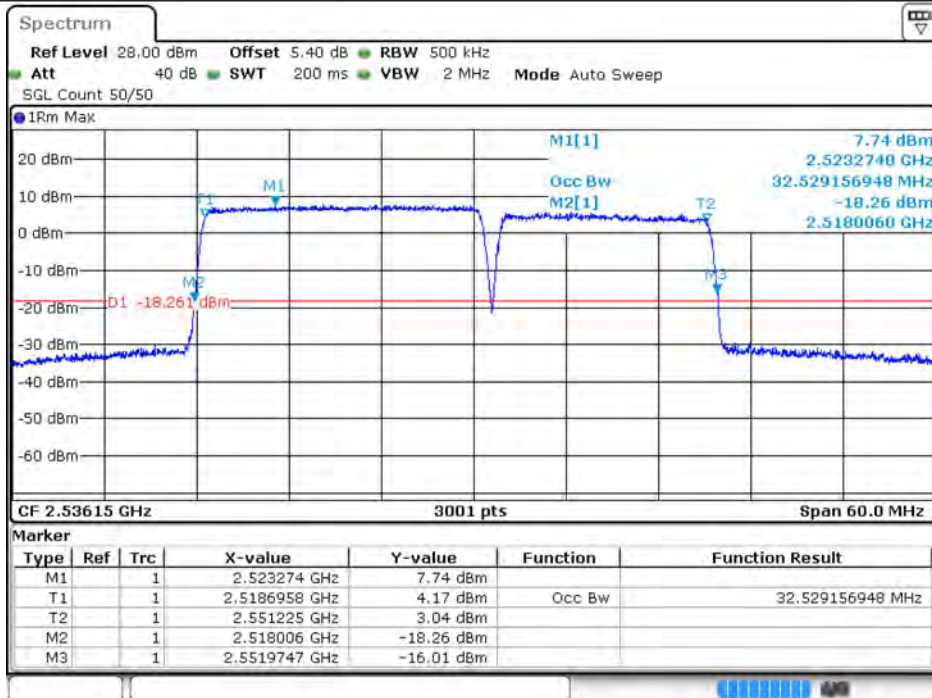


CA_7C_20+15_64QAM_20850+21021_100RB#0+75RB#0



Date: 19.OCT.2020 16:56:32

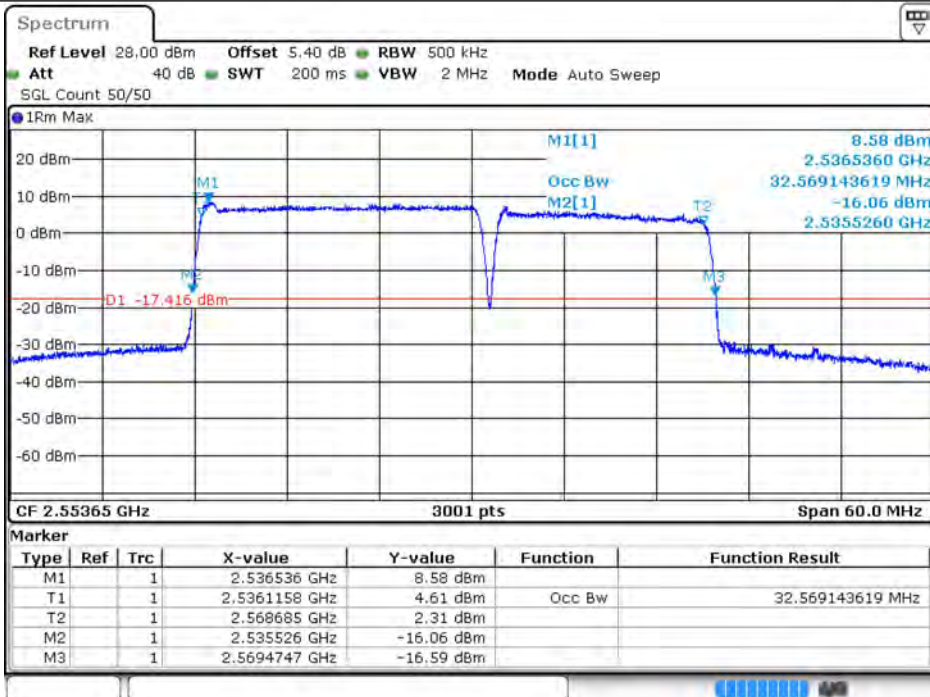
CA_7C_20+15_64QAM_21026+21197_100RB#0+75RB#0



Date: 19.OCT.2020 16:57:32

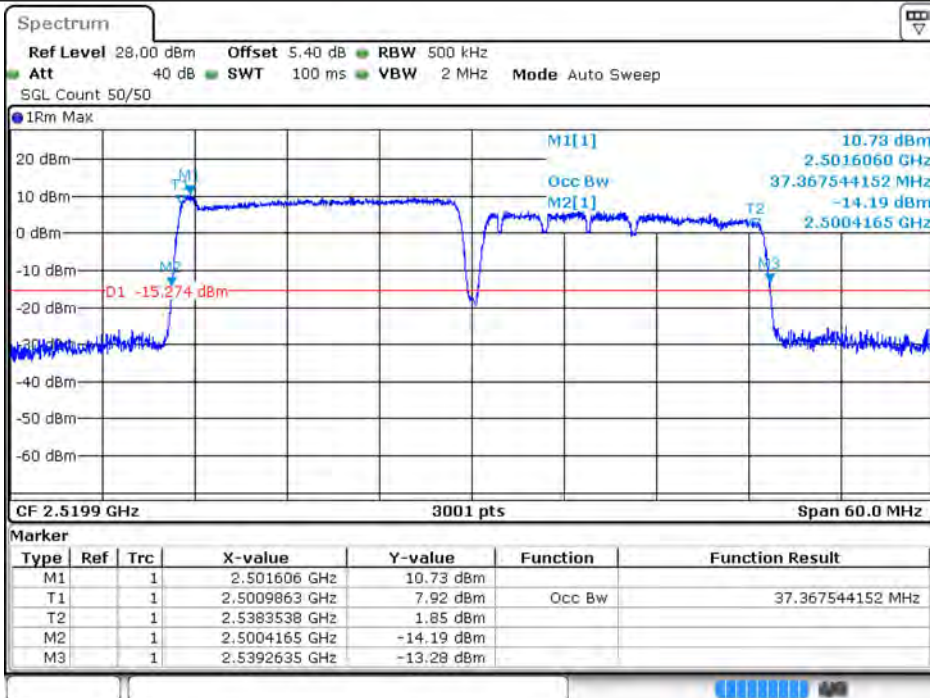


CA_7C_20+15_64QAM_21201+21372_100RB#0+75RB#0



Date: 19.OCT.2020 16:58:29

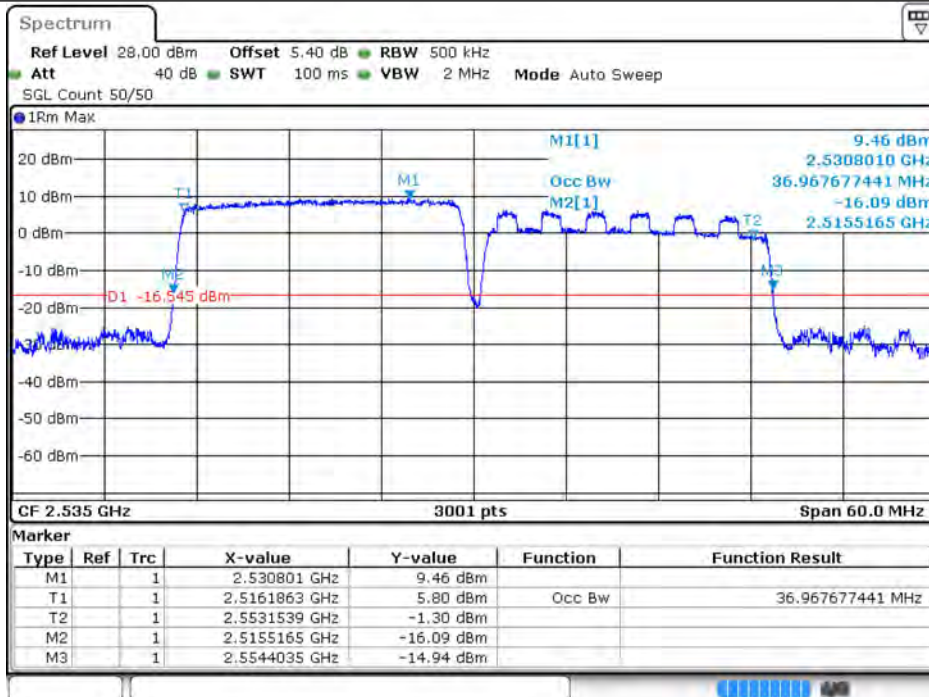
CA_7C_20+20_QPSK_20850+21048_100RB#0+100RB#0



Date: 19.OCT.2020 16:58:50

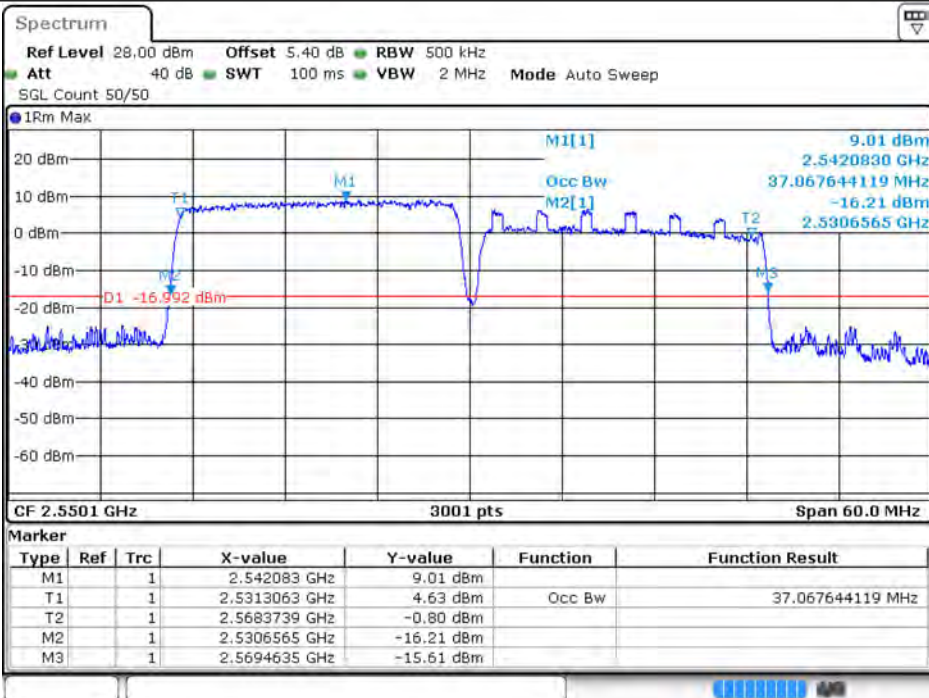


CA 7C 20+20 QPSK 21001+21199 100RB#0+100RB#0



Date: 19.OCT.2020 16:59:31

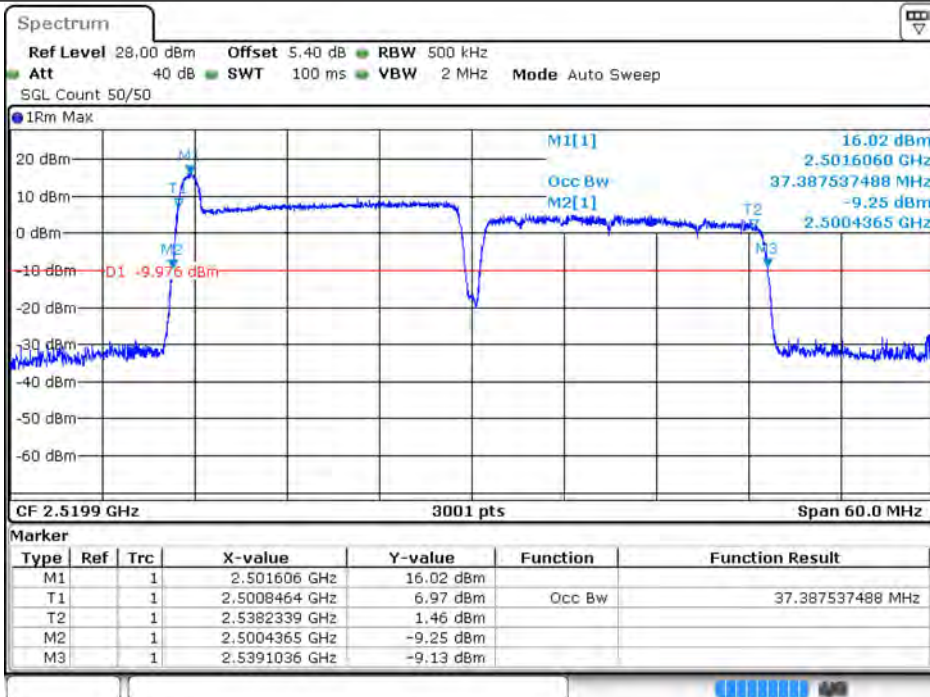
CA 7C 20+20 QPSK 21152+21350 100RB#0+100RB#0



Date: 19.OCT.2020 17:00:08

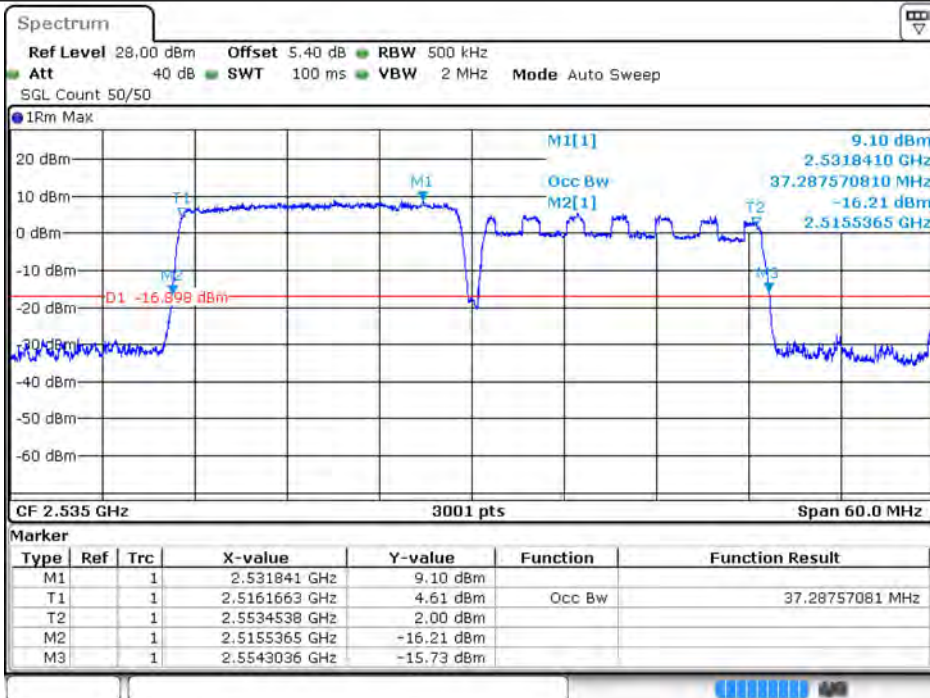


CA 7C 20+20 16QAM 20850+21048 100RB#0+100RB#0



Date: 19.OCT.2020 16:59:00

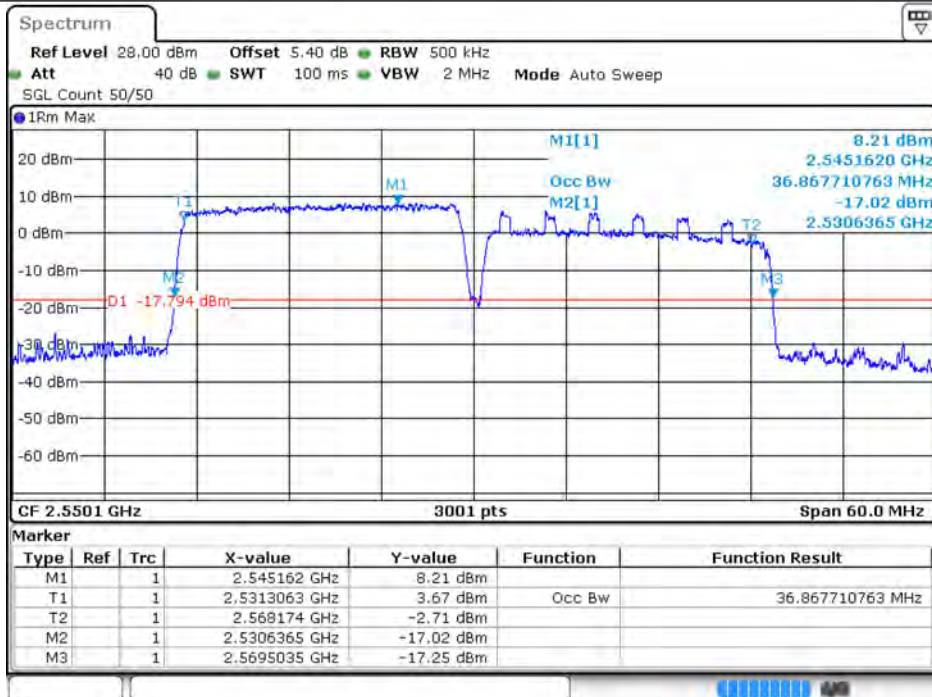
CA 7C 20+20 16QAM 21001+21199 100RB#0+100RB#0



Date: 19.OCT.2020 16:59:42

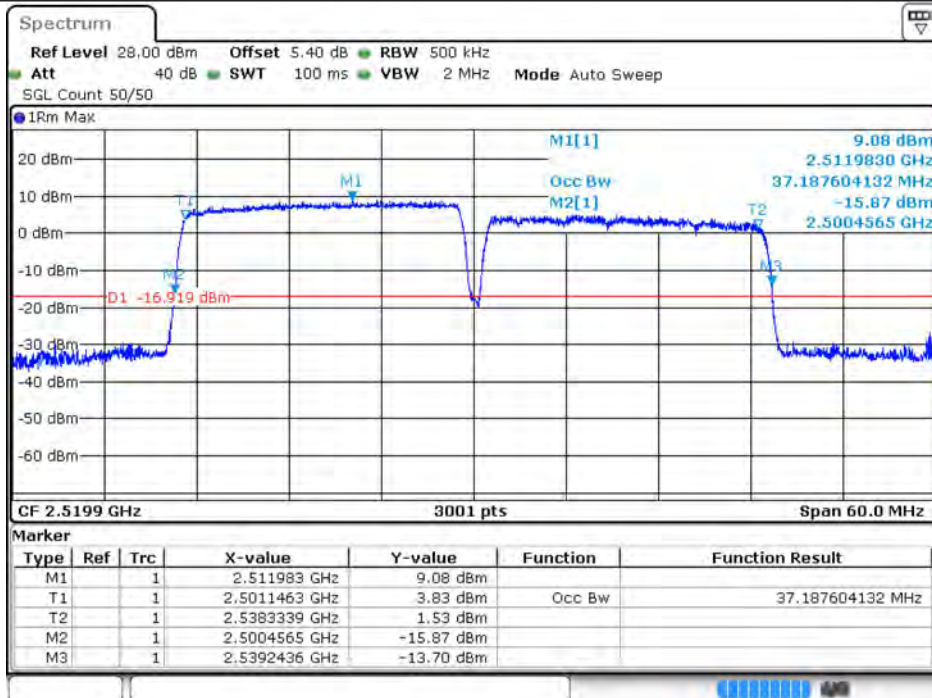


CA 7C 20+20 16QAM 21152+21350 100RB#0+100RB#0



Date: 19.OCT.2020 17:00:18

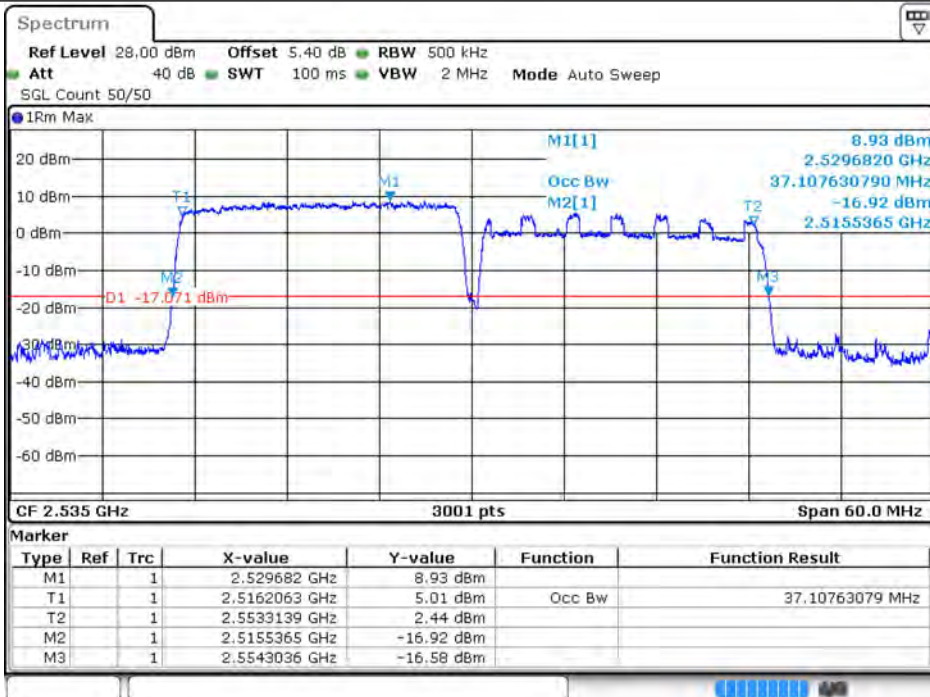
CA 7C 20+20 64QAM 20850+21048 100RB#0+100RB#0



Date: 19.OCT.2020 16:59:11

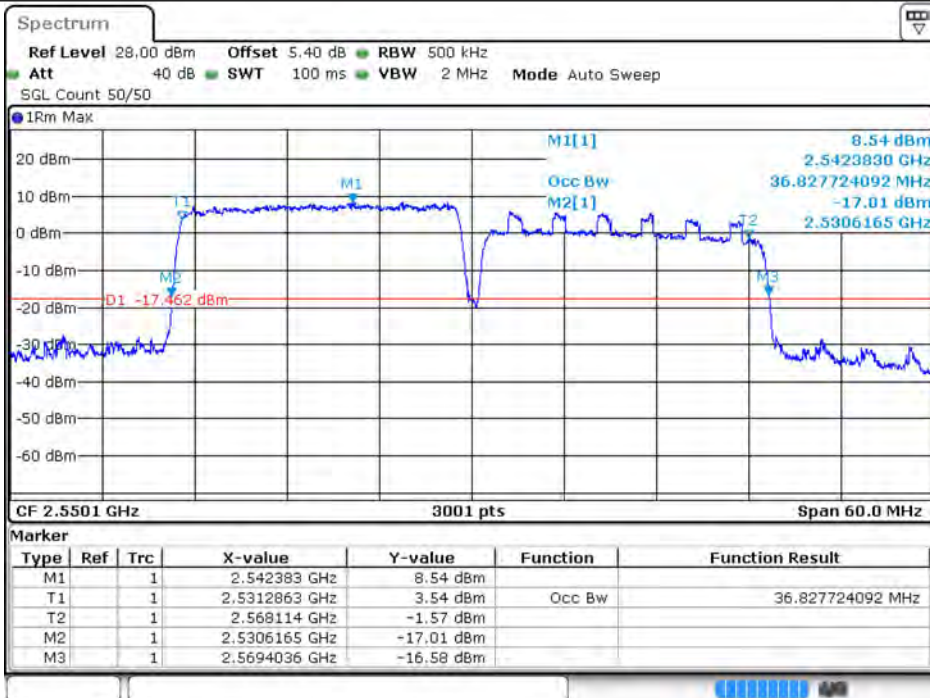


CA 7C 20+20 64QAM 21001+21199 100RB#0+100RB#0



Date: 19.OCT.2020 16:59:53

CA 7C 20+20 64QAM 21152+21350 100RB#0+100RB#0



Date: 19.OCT.2020 17:00:30

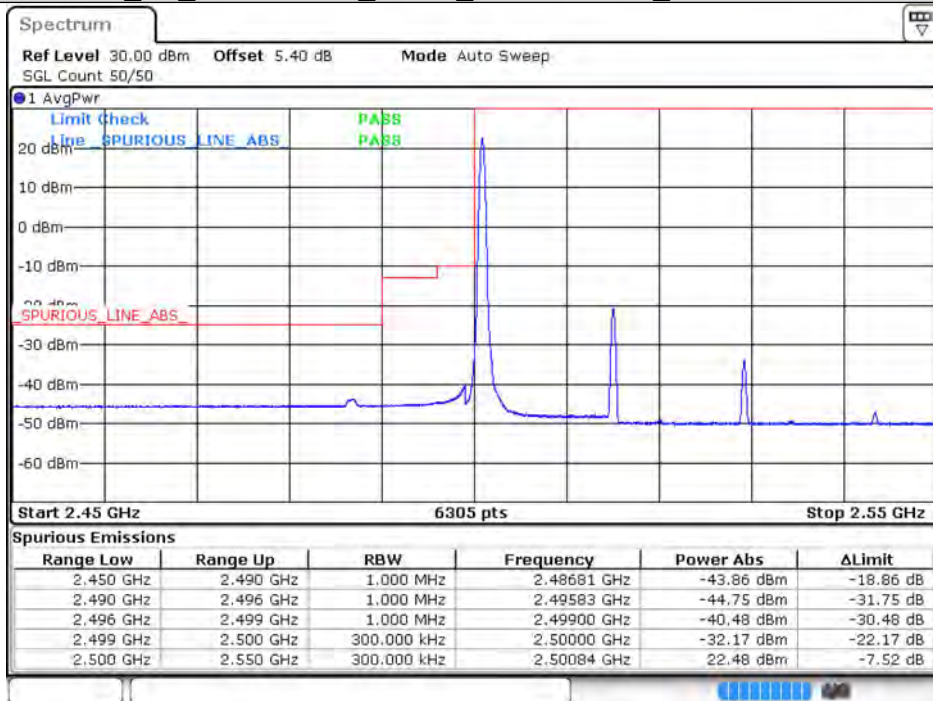


5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE Band CA_7C

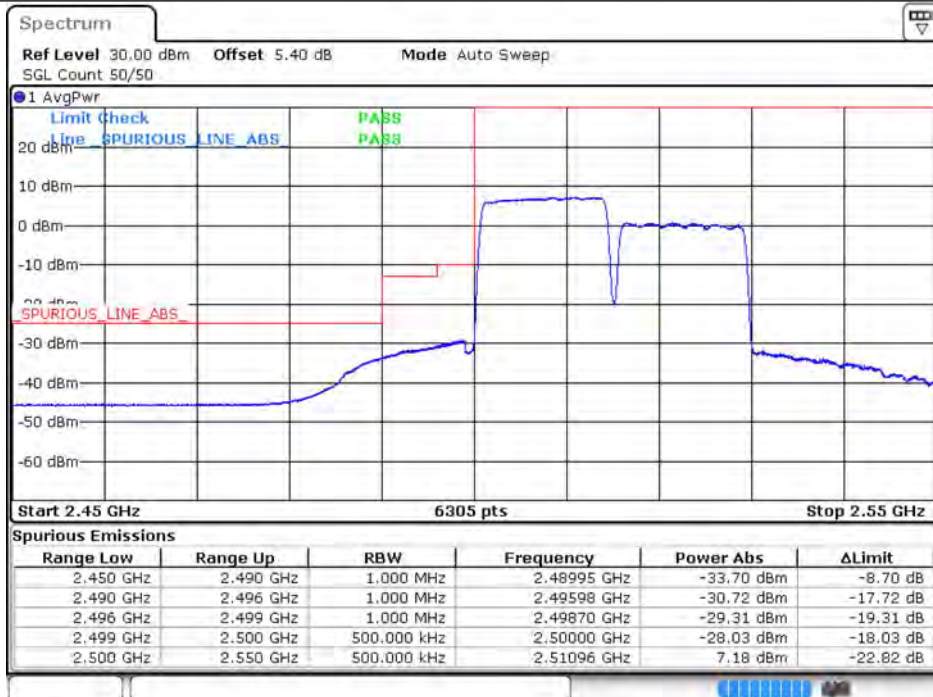
CA_7C_75RB+75RB_QPSK_20825+20975_1RB#0+0RB#0



Date: 19.OCT.2020 17:01:12

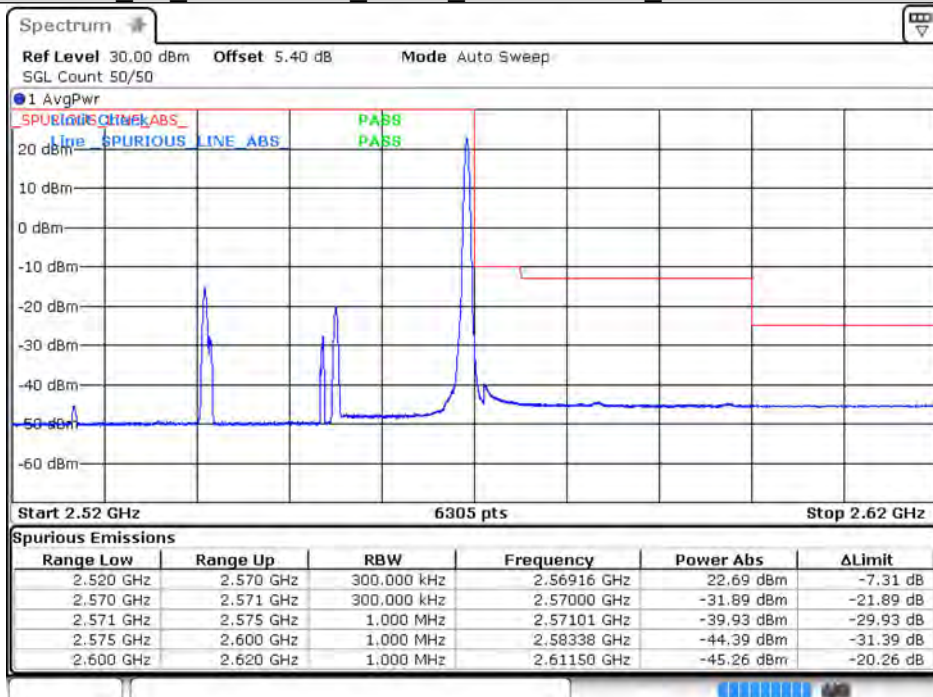


CA_7C_75RB+75RB_QPSK_20825+20975_75RB#0+75RB#0



Date: 19.OCT.2020 17:02:55

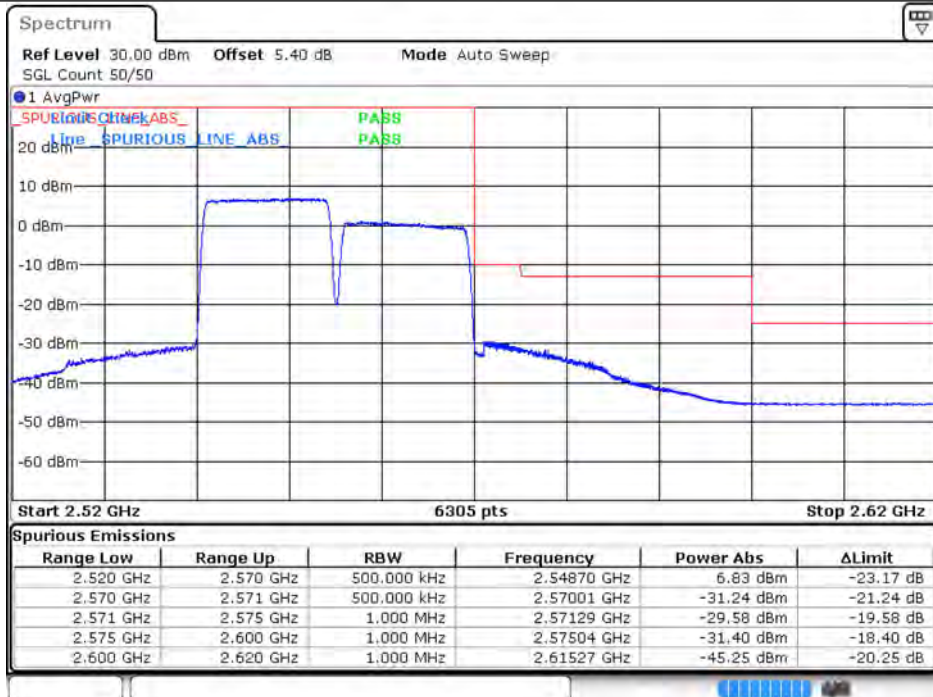
CA_7C_75RB+75RB_QPSK_21225+21375_0RB#0+1RB#74



Date: 19.OCT.2020 17:05:26

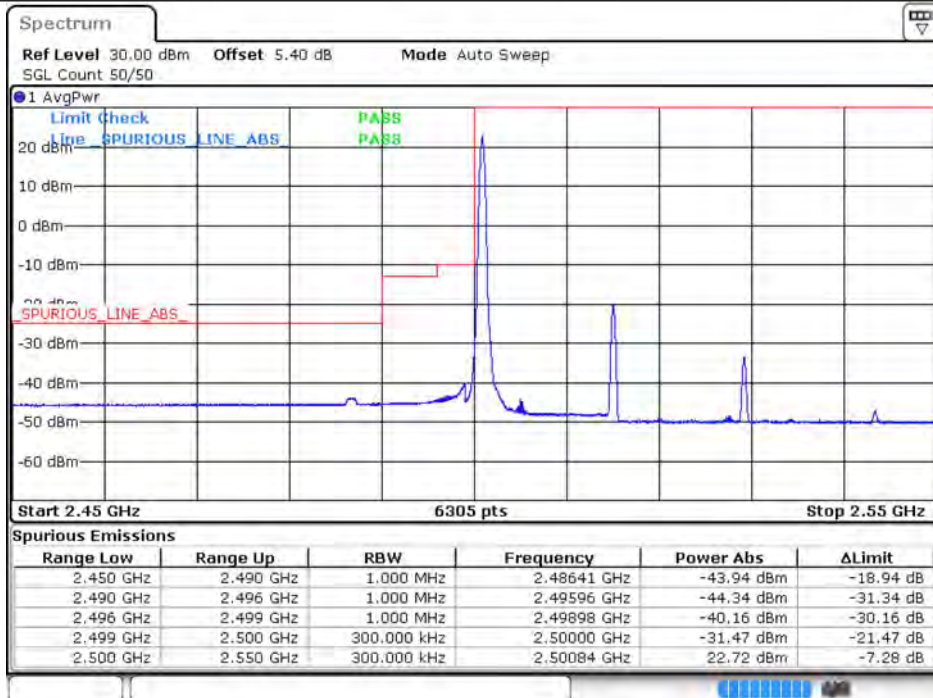


CA_7C_75RB+75RB_QPSK_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 17:06:47

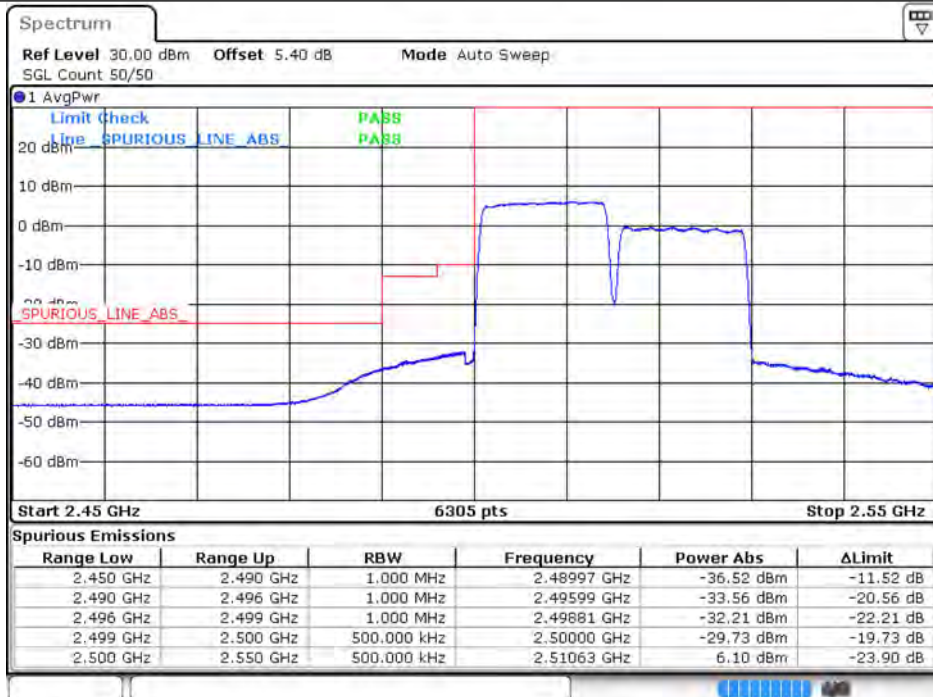
CA_7C_75RB+75RB_16QAM_20825+20975_1RB#0+0RB#0



Date: 19.OCT.2020 17:01:40

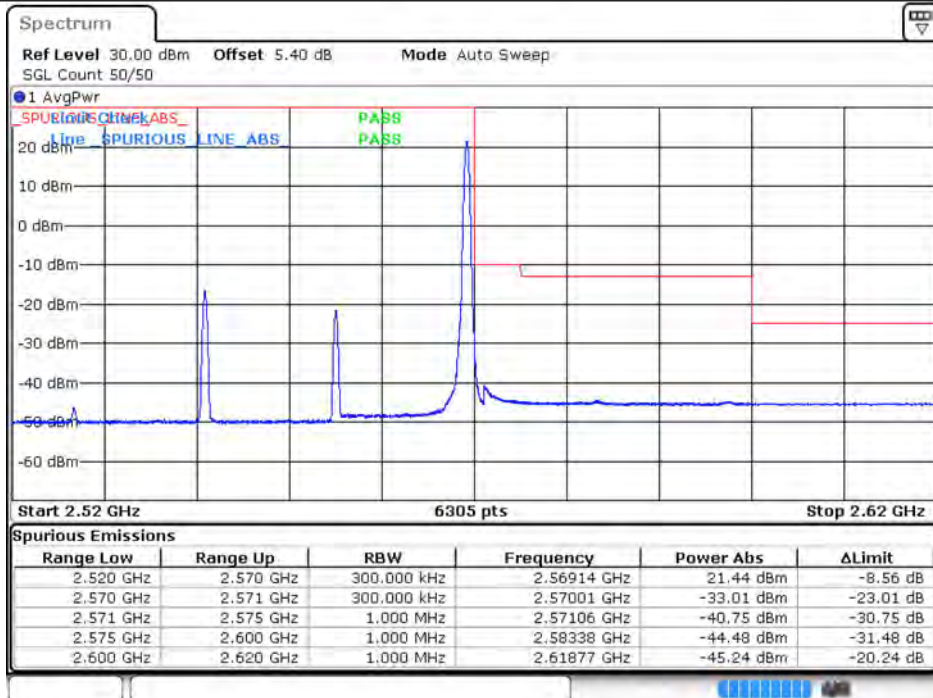


CA_7C_75RB+75RB_16QAM_20825+20975_75RB#0+75RB#0



Date: 19.OCT.2020 17:03:24

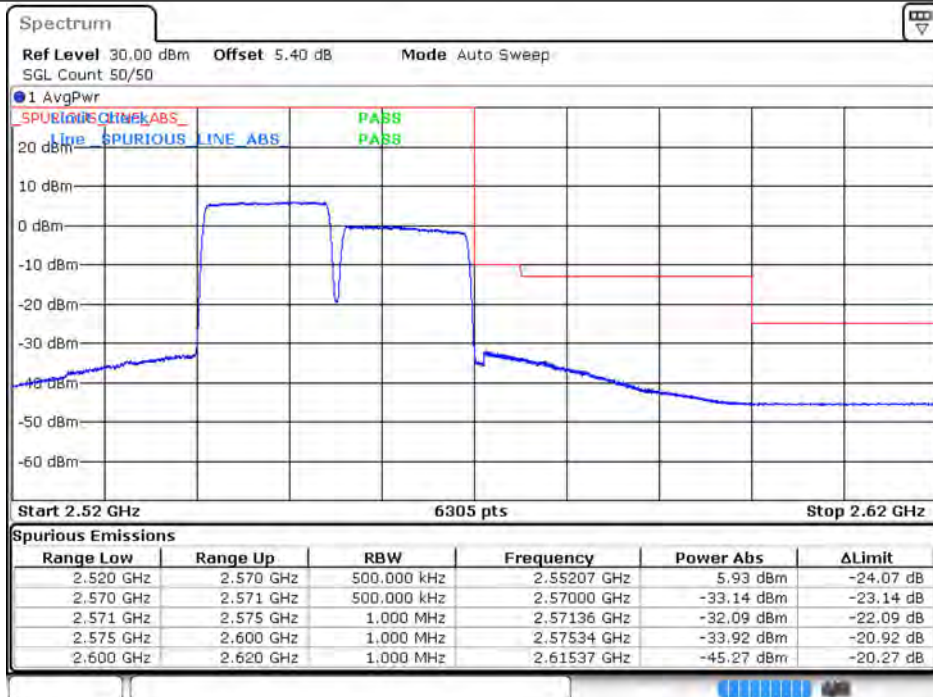
CA_7C_75RB+75RB_16QAM_21225+21375_0RB#0+1RB#74



Date: 19.OCT.2020 17:05:43

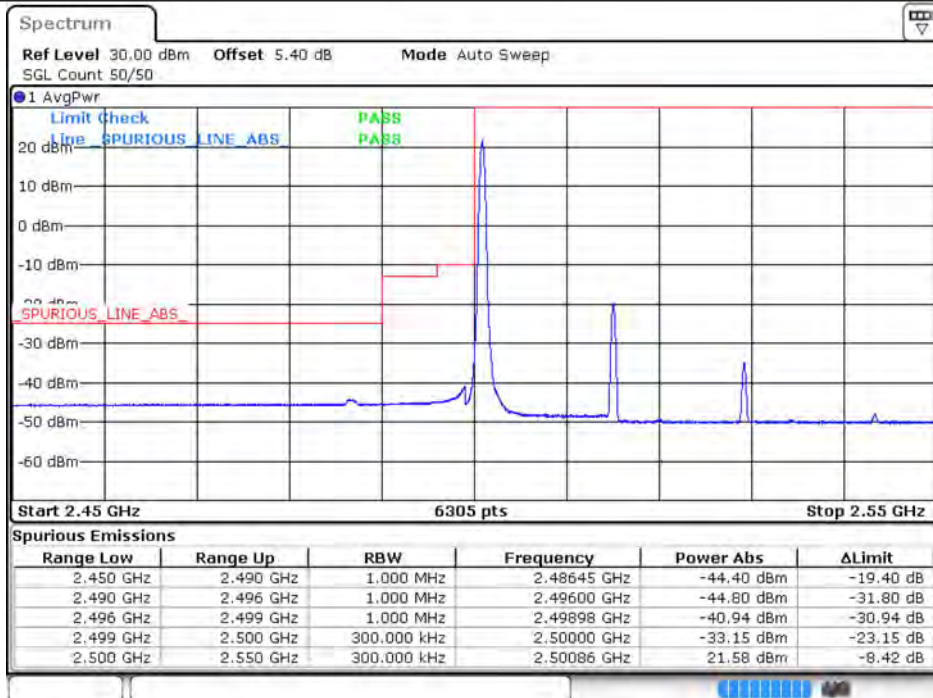


CA_7C_75RB+75RB_16QAM_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 17:07:02

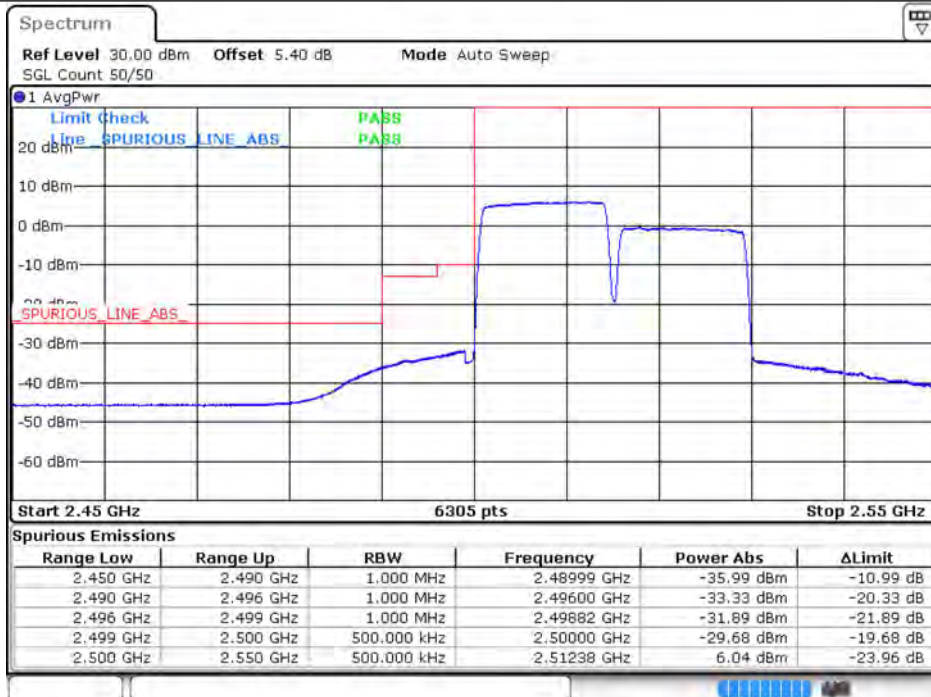
CA_7C_75RB+75RB_64QAM_20825+20975_1RB#0+0RB#0



Date: 19.OCT.2020 17:02:09

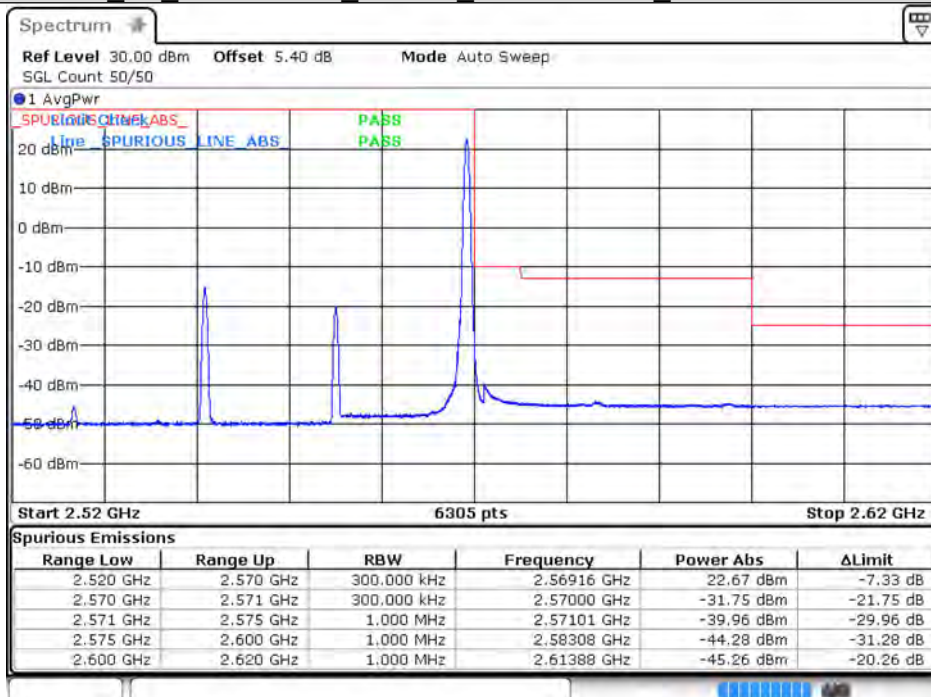


CA_7C_75RB+75RB_64QAM_20825+20975_75RB#0+75RB#0



Date: 19.OCT.2020 17:03:53

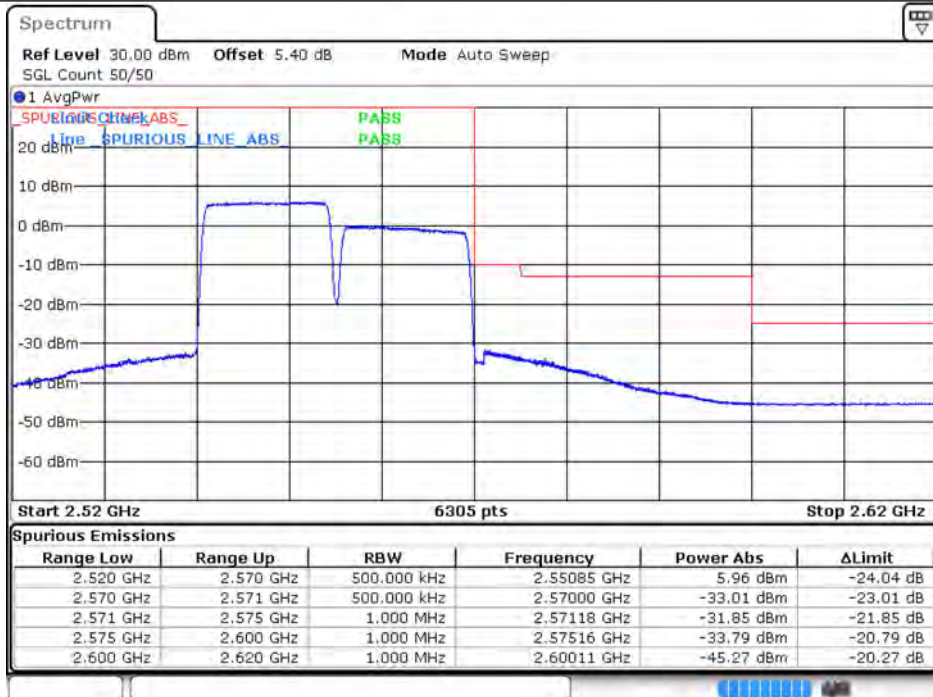
CA_7C_75RB+75RB_64QAM_21225+21375_0RB#0+1RB#74



Date: 19.OCT.2020 17:06:15

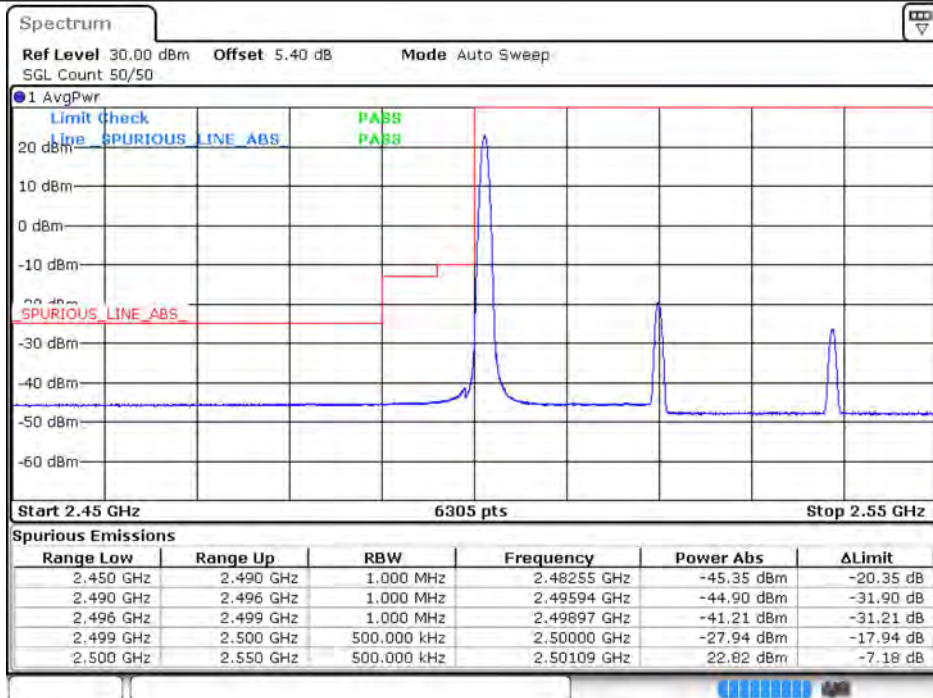


CA_7C_75RB+75RB_64QAM_21225+21375_75RB#0+75RB#0



Date: 19.OCT.2020 17:07:18

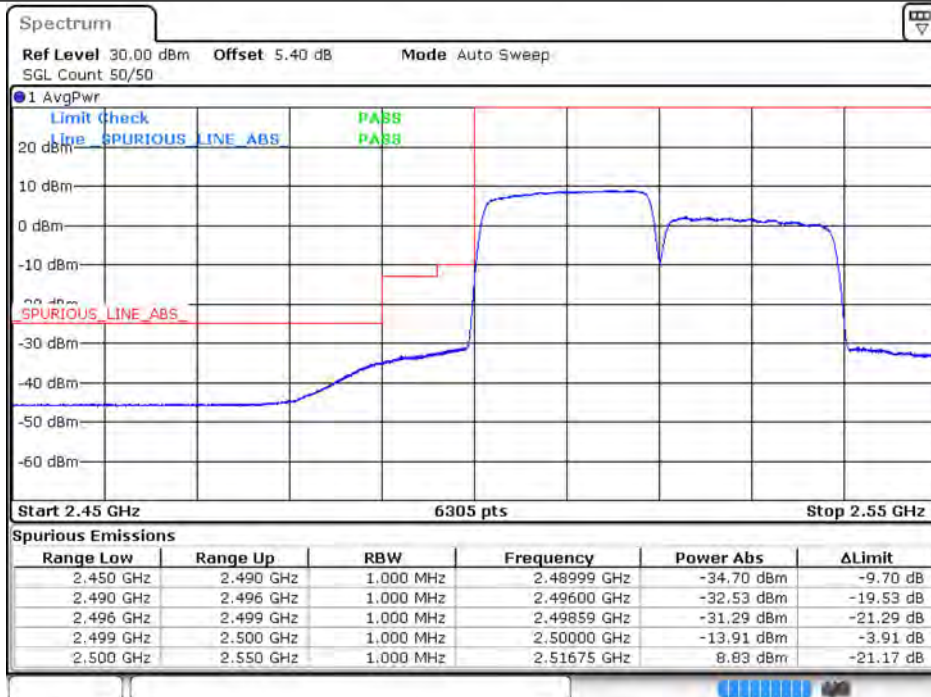
CA_7C_100RB+100RB_QPSK_20850+21048_1RB#0+0RB#0



Date: 19.OCT.2020 17:08:06

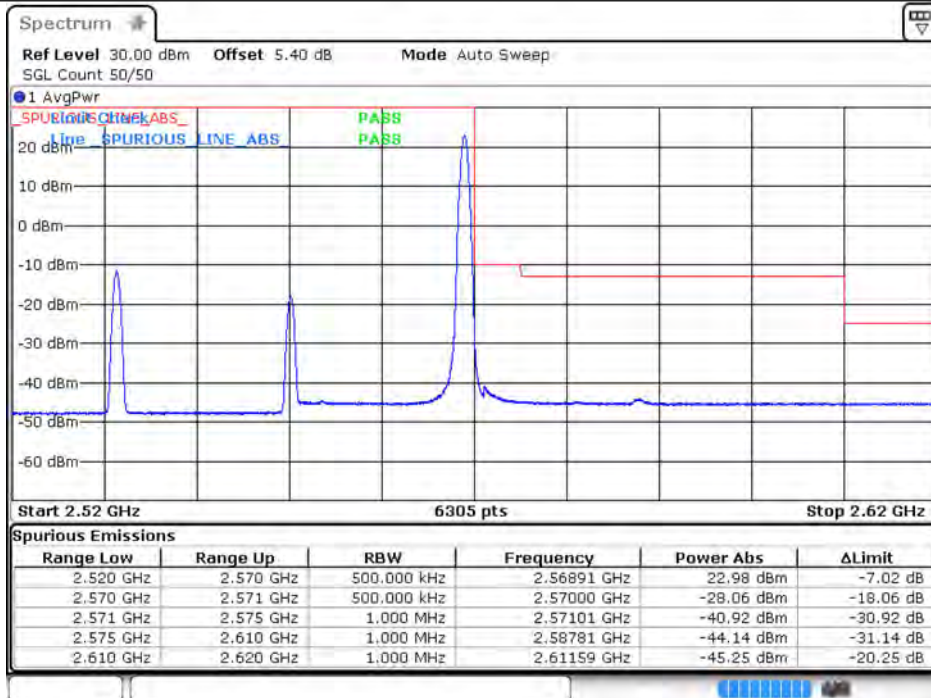


CA 7C 100RB+100RB QPSK 20850+21048 100RB#0+100RB#0



Date: 19.OCT.2020 17:09:53

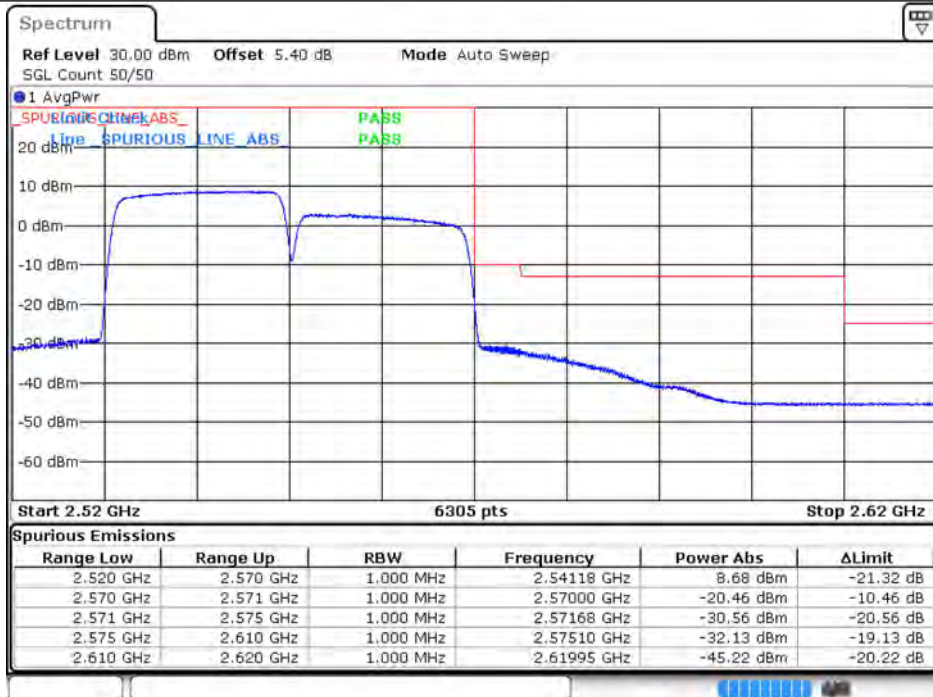
CA 7C 100RB+100RB QPSK 21152+21350 0RB#0+1RB#99



Date: 19.OCT.2020 17:12:32

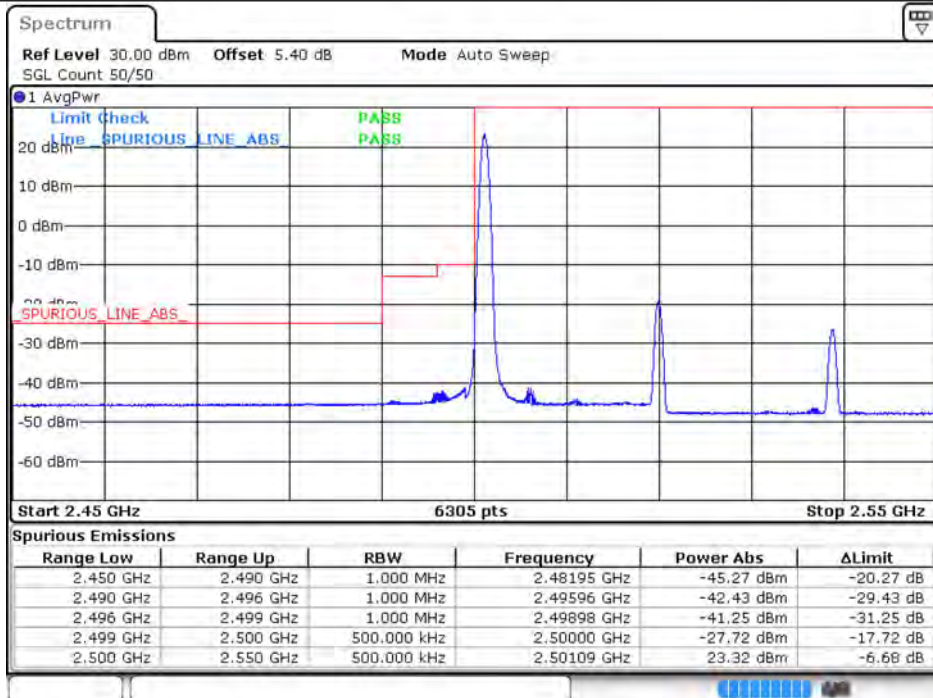


CA_7C_100RB+100RB_QPSK_21152+21350_100RB#0+100RB#0



Date: 19.OCT.2020 17:13:28

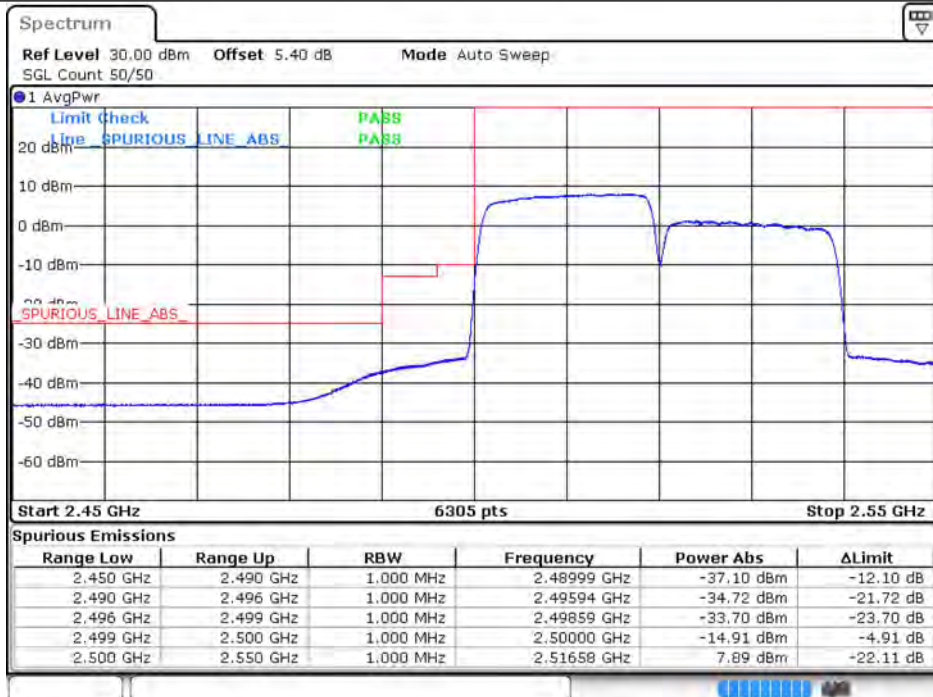
CA_7C_100RB+100RB_16QAM_20850+21048_1RB#0+0RB#0



Date: 19.OCT.2020 17:08:34

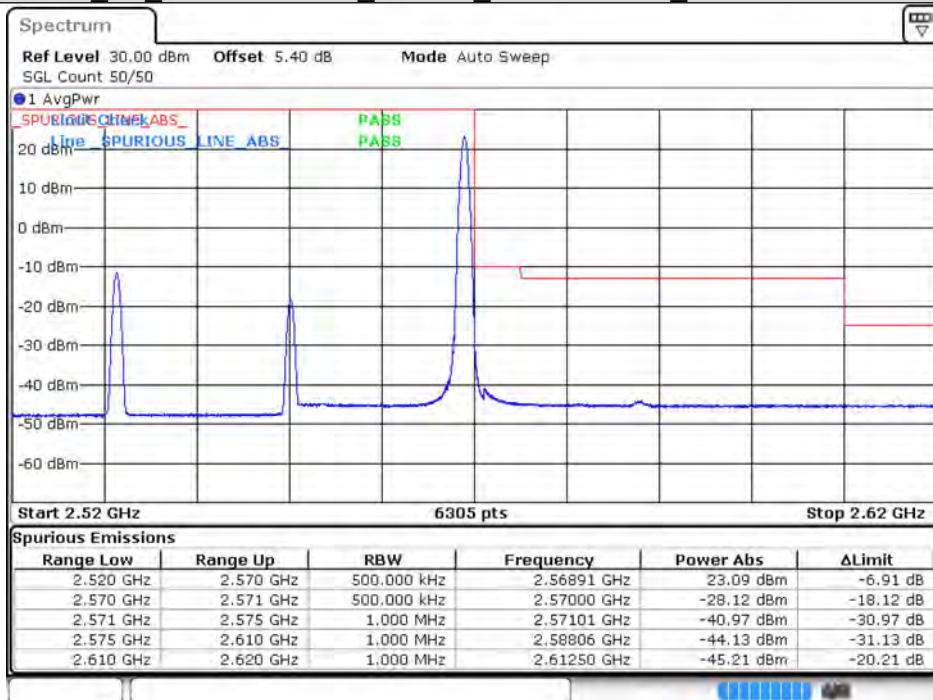


CA_7C_100RB+100RB_16QAM_20850+21048_100RB#0+100RB#0



Date: 19.OCT.2020 17:10:22

CA_7C_100RB+100RB_16QAM_21152+21350_0RB#0+1RB#99



Date: 19.OCT.2020 17:12:50

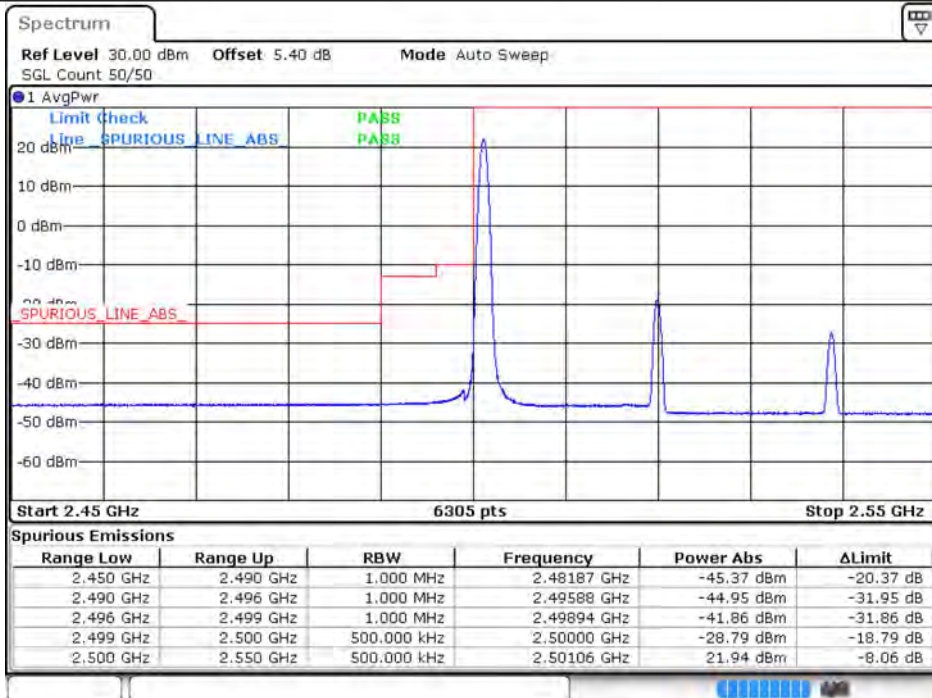


CA_7C_100RB+100RB_16QAM_21152+21350_100RB#0+100RB#0



Date: 19.OCT.2020 17:13:44

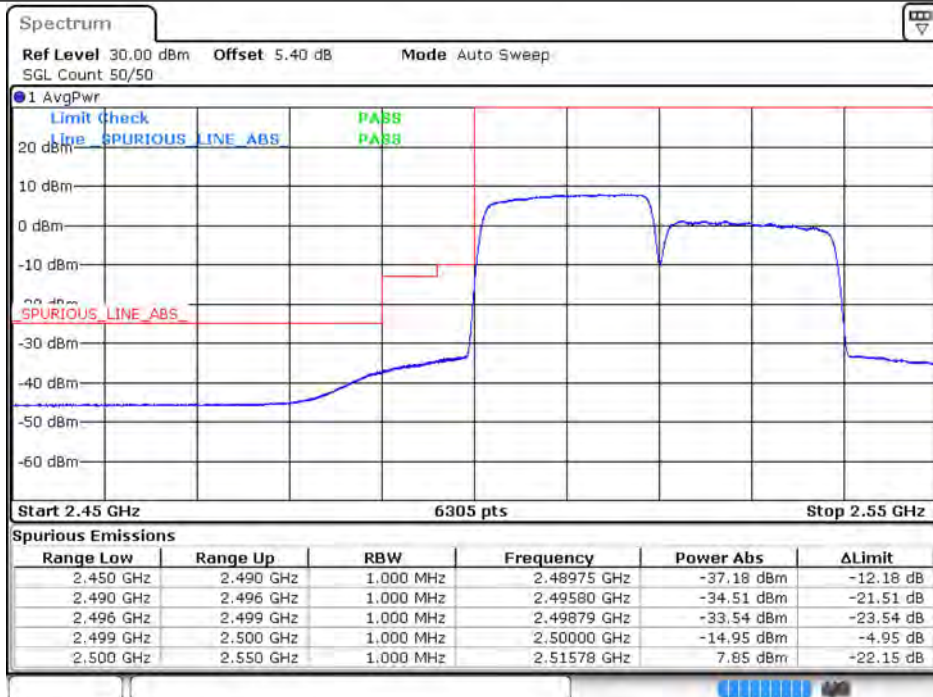
CA_7C_100RB+100RB_64QAM_20850+21048_1RB#0+0RB#0



Date: 19.OCT.2020 17:09:03

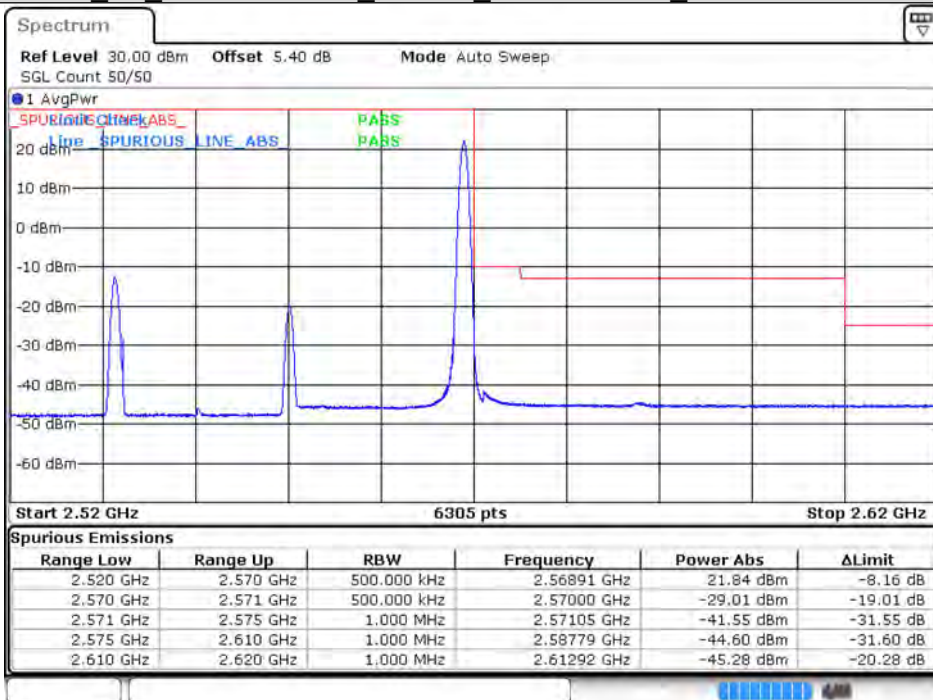


CA_7C_100RB+100RB_64QAM_20850+21048_100RB#0+100RB#0



Date: 19.OCT.2020 17:10:50

CA_7C_100RB+100RB_64QAM_21152+21350_0RB#0+1RB#99



Date: 19.OCT.2020 17:13:05



CA_7C_100RB+100RB_64QAM_21152+21350_100RB#0+100RB#0



Date: 19 OCT.2020 17:13:59



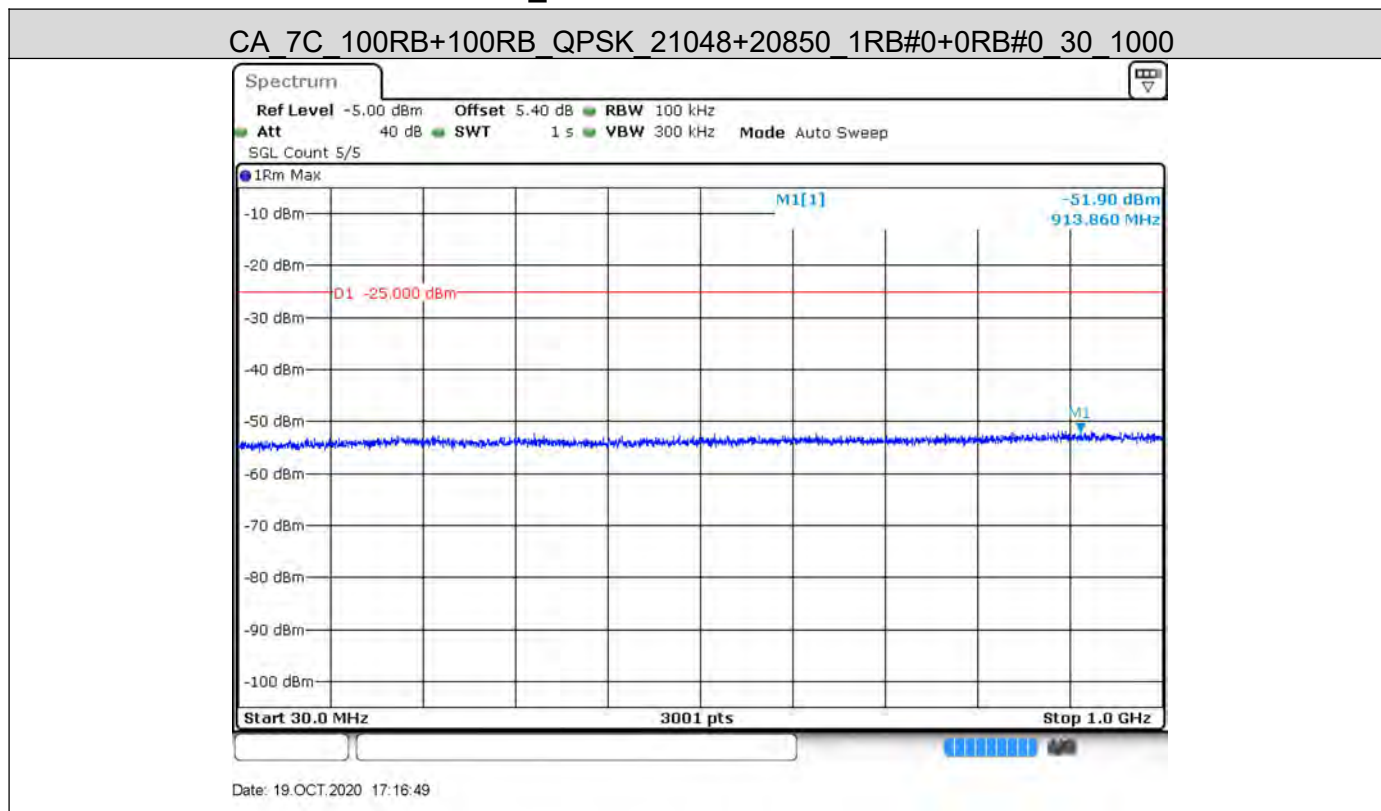
6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k \cdot (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

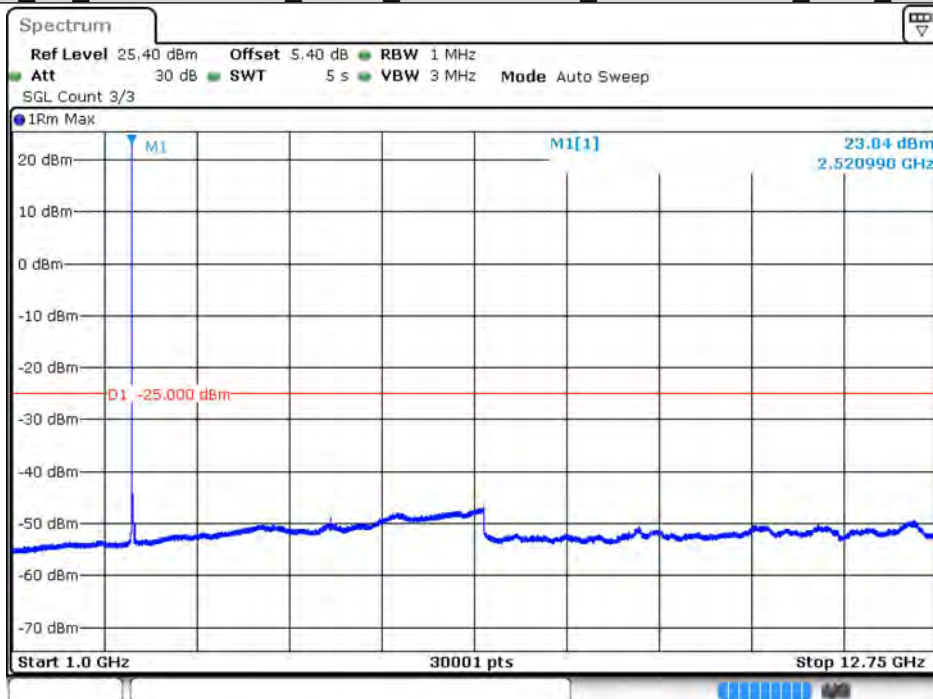
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE Band CA_7C

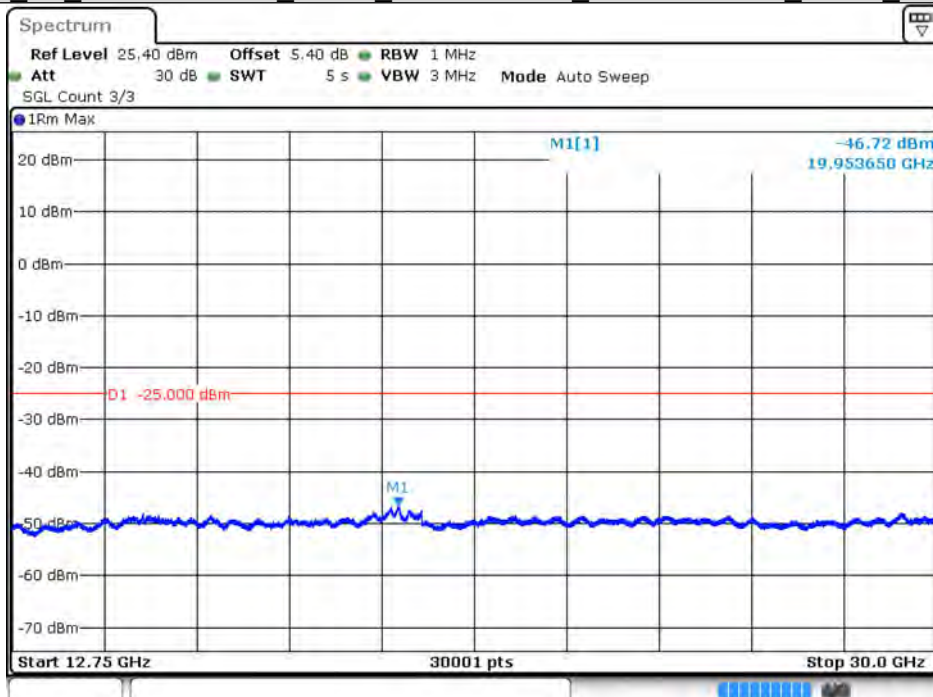


CA 7C 100RB+100RB QPSK 21048+20850 1RB#0+0RB#0 1000 12750



Date: 19.OCT.2020 17:20:18

CA 7C 100RB+100RB QPSK 21048+20850 1RB#0+0RB#0 12750 30000



Date: 19.OCT.2020 17:29:45

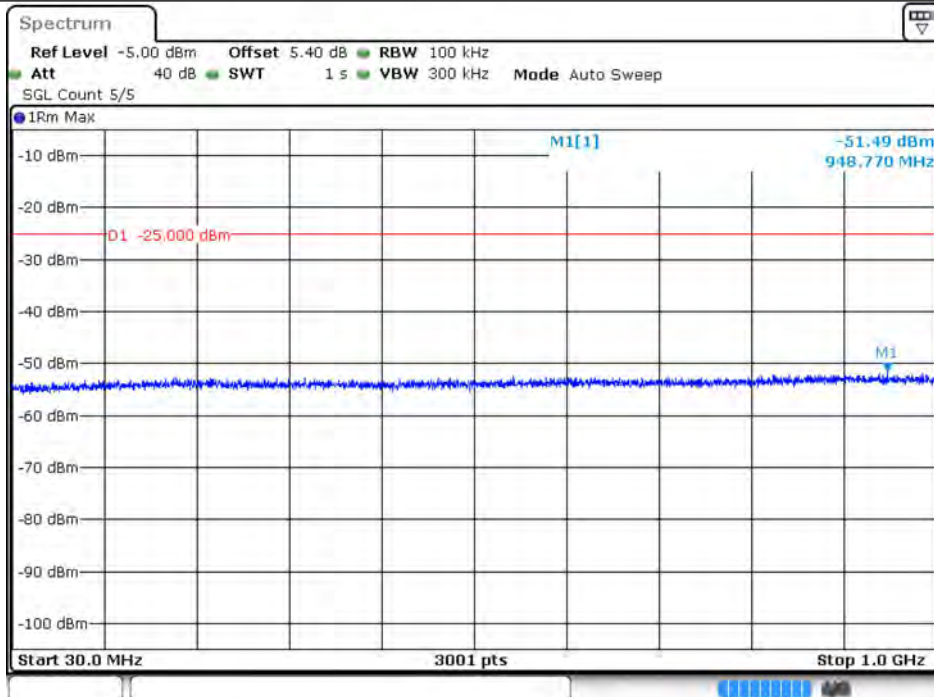


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.

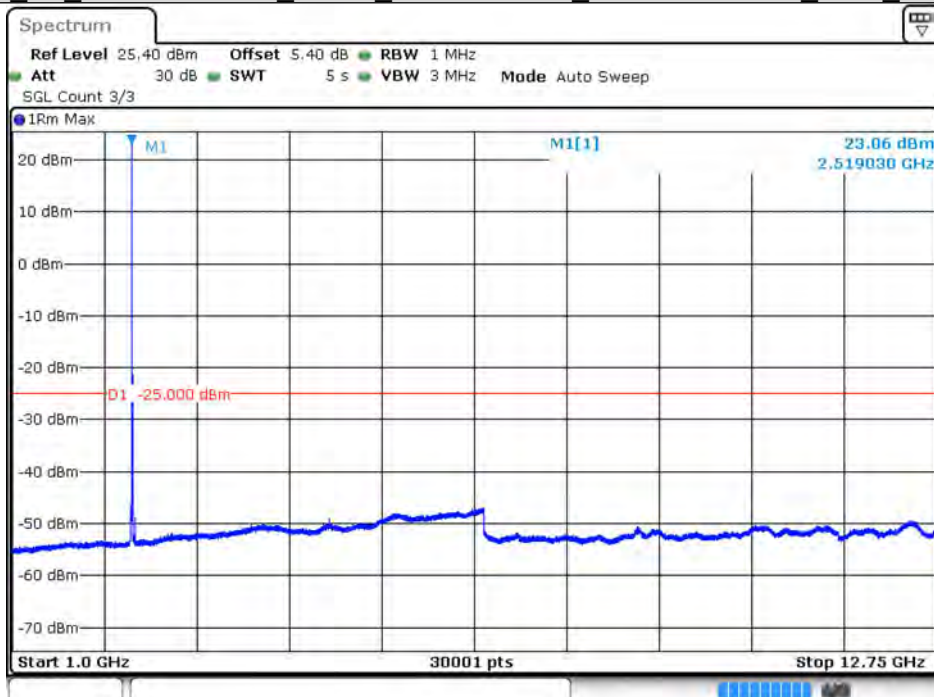
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

CA 7C 100RB+100RB QPSK 21048+20850 0RB#0+1RB#99 30 1000



Date: 19.OCT.2020 17:16:56

CA 7C 100RB+100RB QPSK 21048+20850 0RB#0+1RB#99 1000 12750



Date: 19.OCT.2020 17:20:36



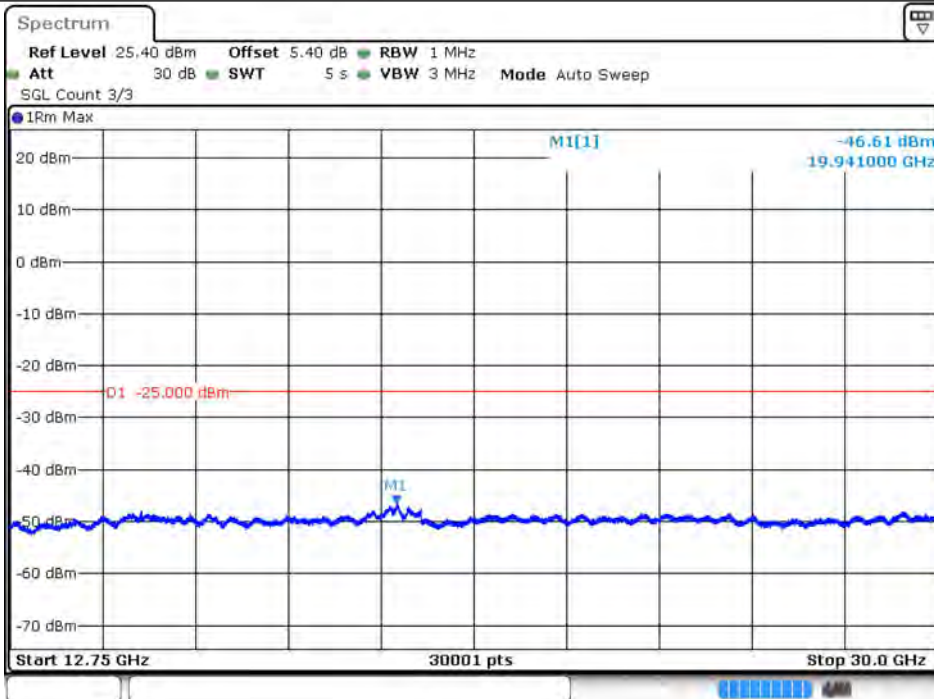
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) Testing & Inspection Laboratory

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 without the full and exclusive approval of the Company. Any unauthorized reproduction, 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: (85-755) 8307 1443.

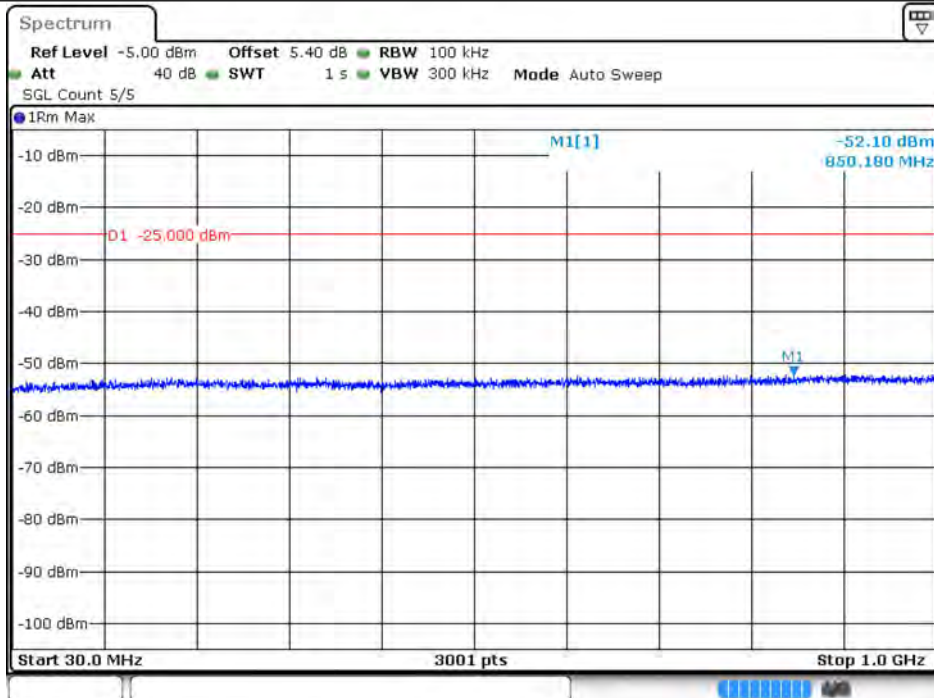
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com

CA 7C_100RB+100RB_QPSK_21048+20850_0RB#0+1RB#99_12750_30000



Date: 19.OCT.2020 17:30:03

CA 7C_100RB+100RB_QPSK_21048+20850_100RB#0+100RB#0_30_1000



Date: 19.OCT.2020 17:17:02

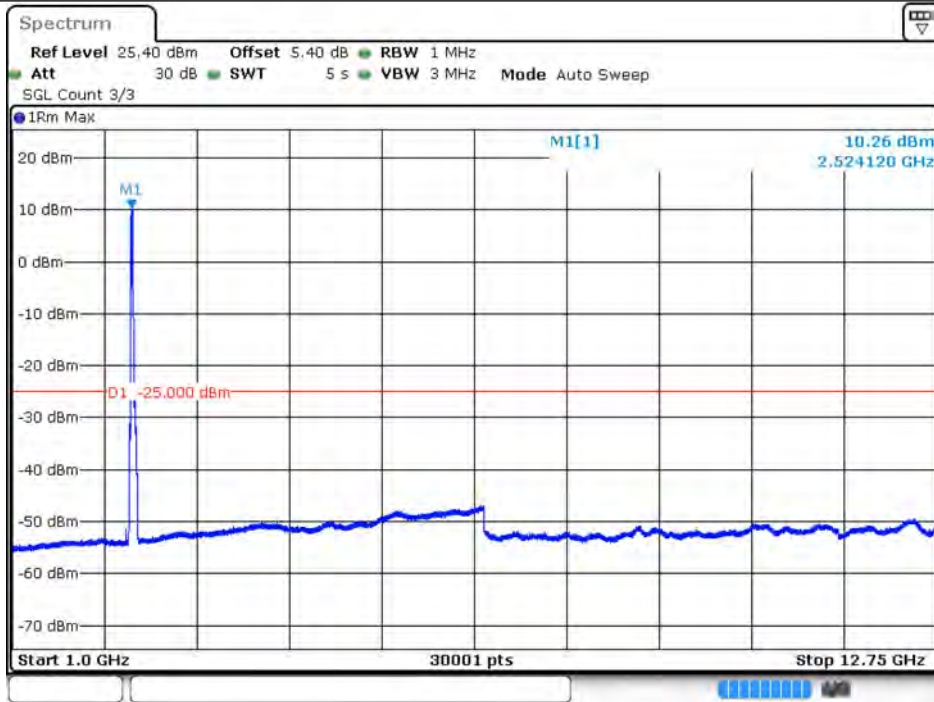


SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch (China Testing Lab) Laboratory

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-Document.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

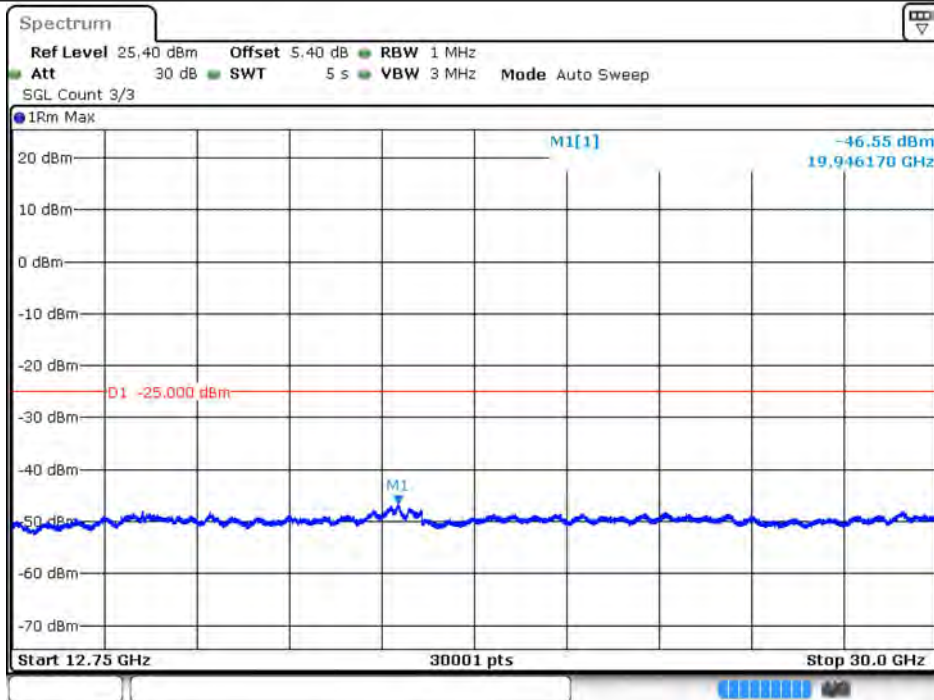
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CA 7C 100RB+100RB QPSK 21048+20850 100RB#0+100RB#0 1000 12750



Date: 19.OCT.2020 17:21:11

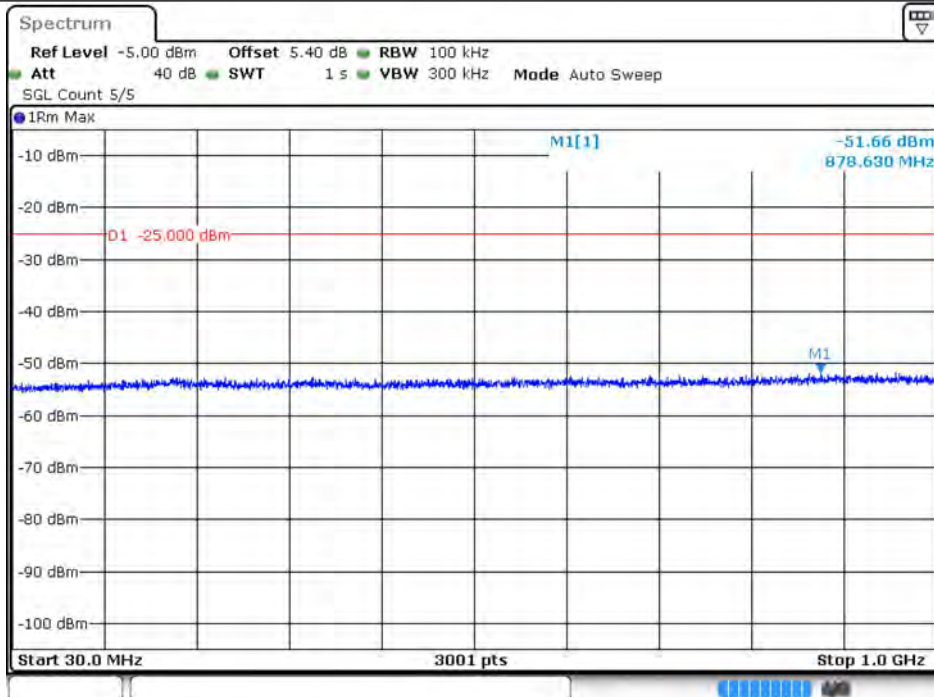
CA 7C 100RB+100RB QPSK 21048+20850 100RB#0+100RB#0 12750 30000



Date: 19.OCT.2020 17:30:20

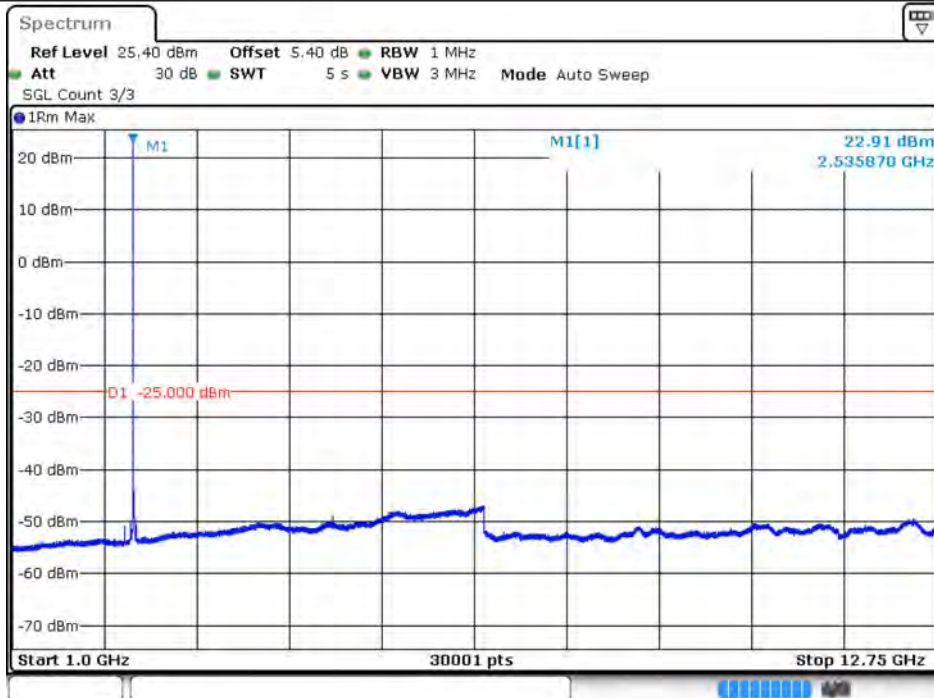


CA 7C 100RB+100RB QPSK 21199+21001 1RB#0+0RB#0 30 1000



Date: 19.OCT.2020 17:17:57

CA 7C 100RB+100RB QPSK 21199+21001 1RB#0+0RB#0 1000 12750



Date: 19.OCT.2020 17:23:22



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

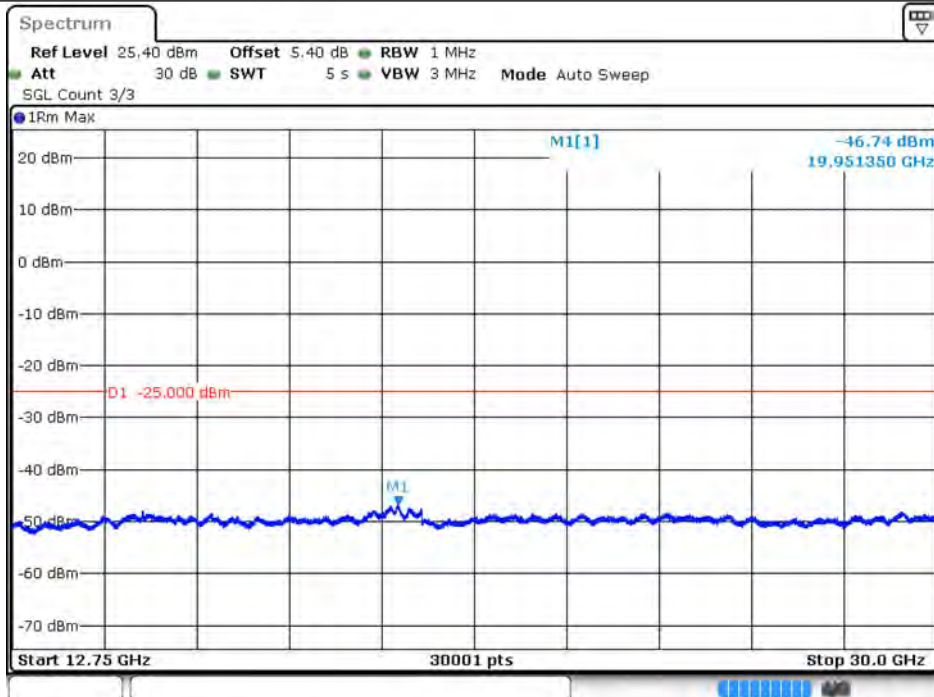
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 or further disseminated in full or in part by the Company. Any unlawful use, 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: (85-755) 8307 1443.

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

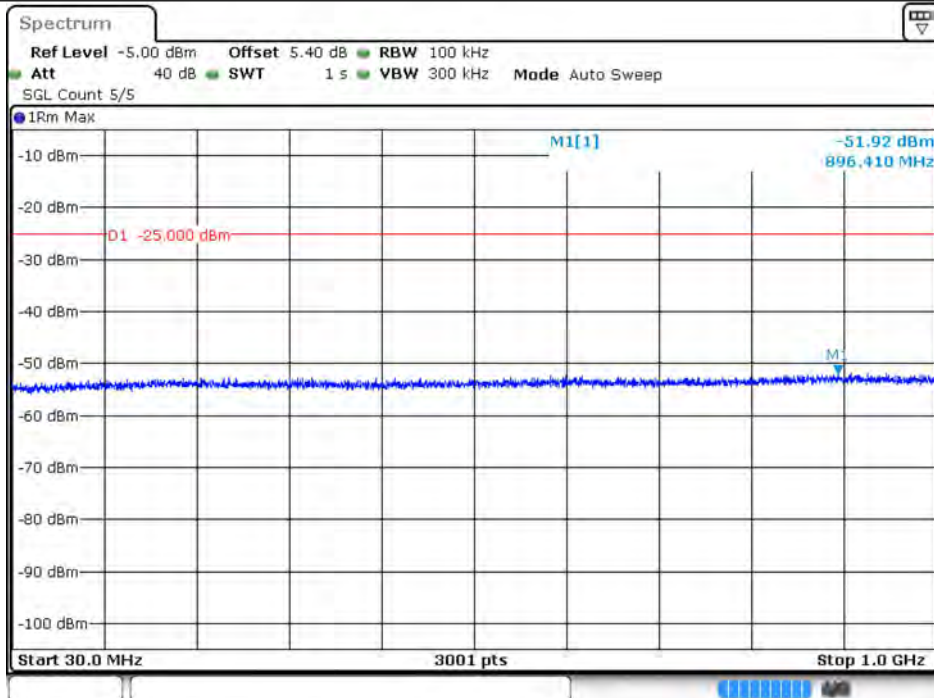
Member of the SGS Group (SGS SA)

CA 7C_100RB+100RB_QPSK_21199+21001_1RB#0+0RB#0_12750_30000



Date: 19.OCT.2020 17:32:25

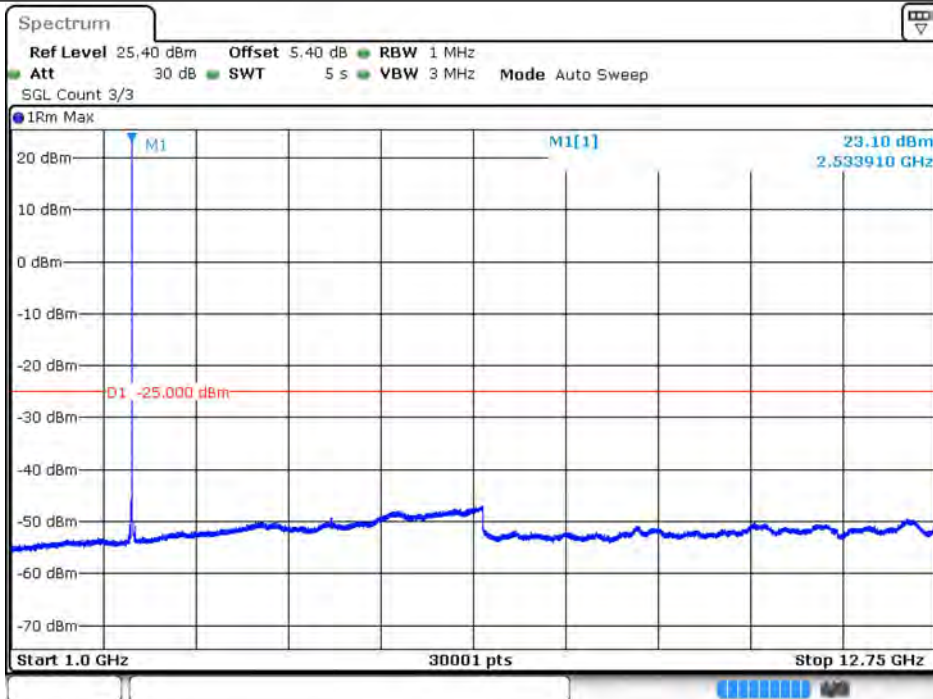
CA 7C_100RB+100RB_QPSK_21199+21001_0RB#0+1RB#99_30_1000



Date: 19.OCT.2020 17:18:04

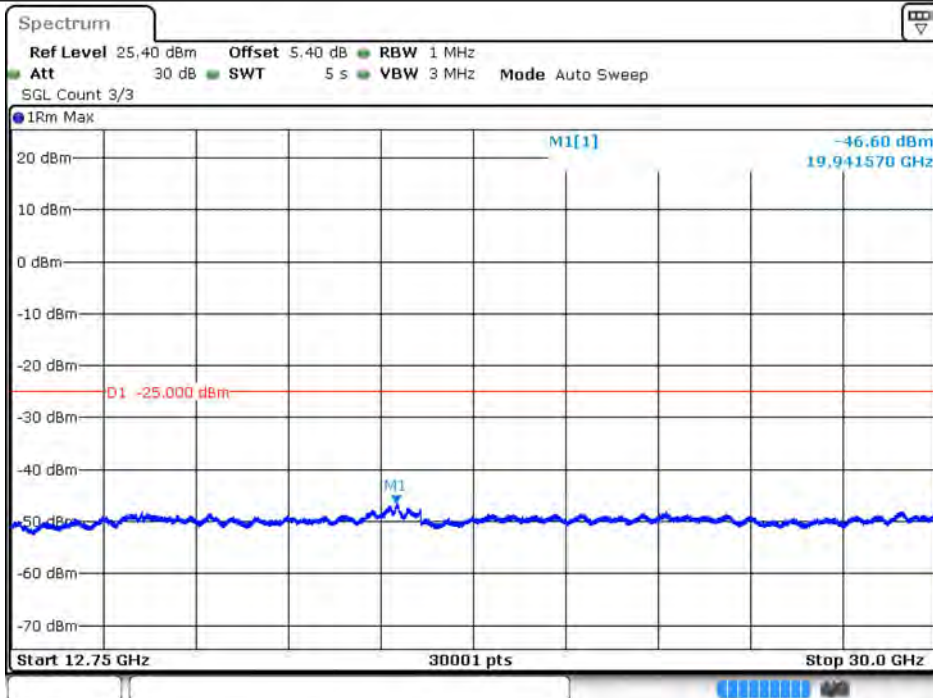


CA 7C_100RB+100RB_QPSK_21199+21001_0RB#0+1RB#99_1000_12750



Date: 19.OCT.2020 17:23:39

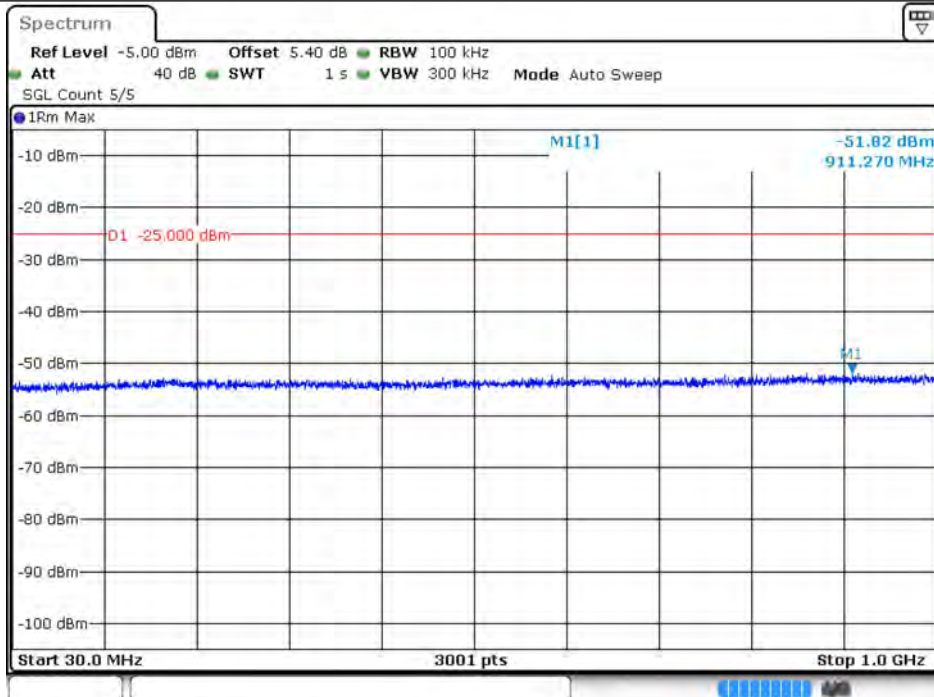
CA 7C_100RB+100RB_QPSK_21199+21001_0RB#0+1RB#99_12750_30000



Date: 19.OCT.2020 17:32:43

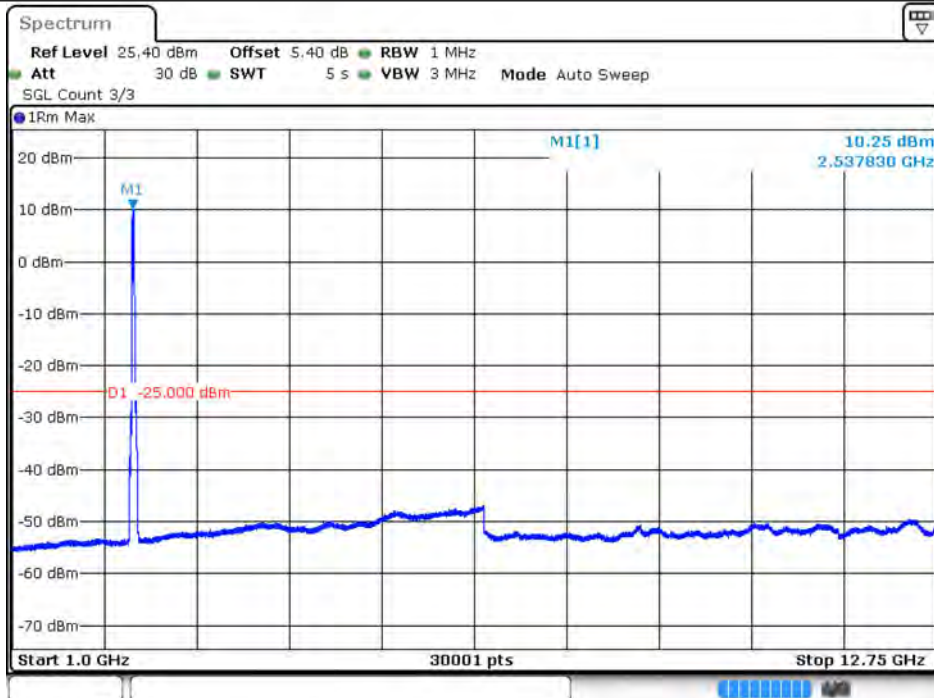


CA 7C 100RB+100RB QPSK 21199+21001 100RB#0+100RB#0 30 1000



Date: 19.OCT.2020 17:18:10

CA 7C 100RB+100RB QPSK 21199+21001 100RB#0+100RB#0 1000 12750



Date: 19.OCT.2020 17:23:56



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

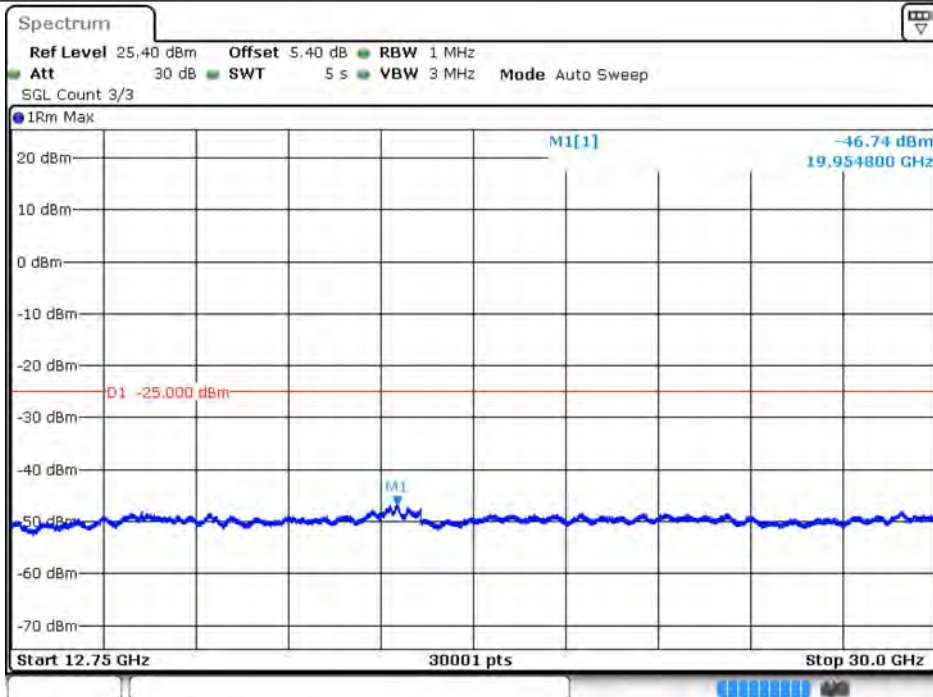
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 or used in full or in part without the prior written approval of the Company. Any unauthorized 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: (85-755) 8307 1443.

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

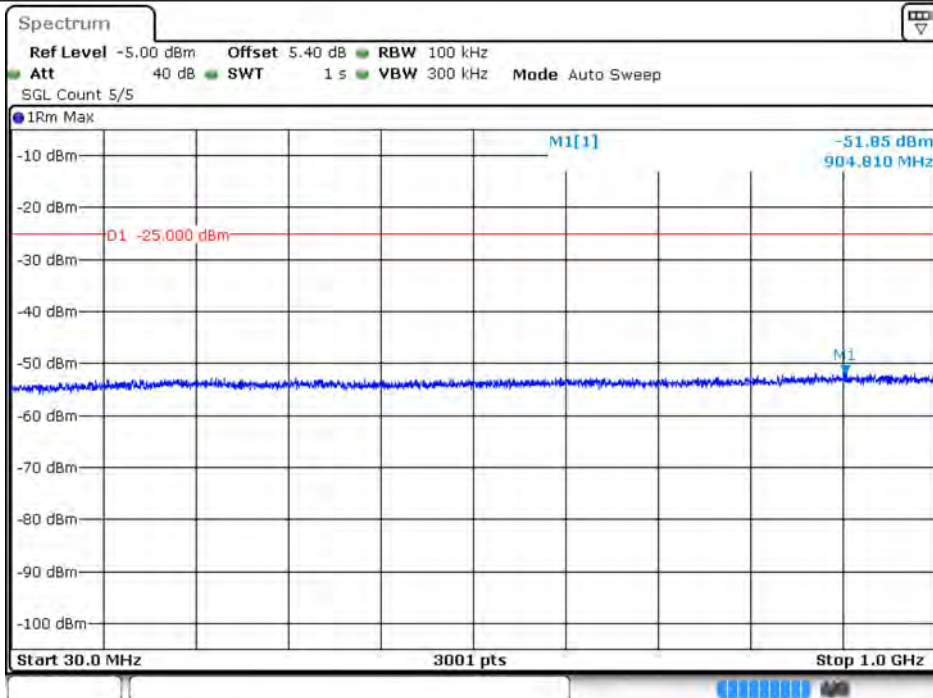
Member of the SGS Group (SGS SA)

CA 7C_100RB+100RB_QPSK_21199+21001_100RB#0+100RB#0_12750_30000



Date: 19.OCT.2020 17:33:00

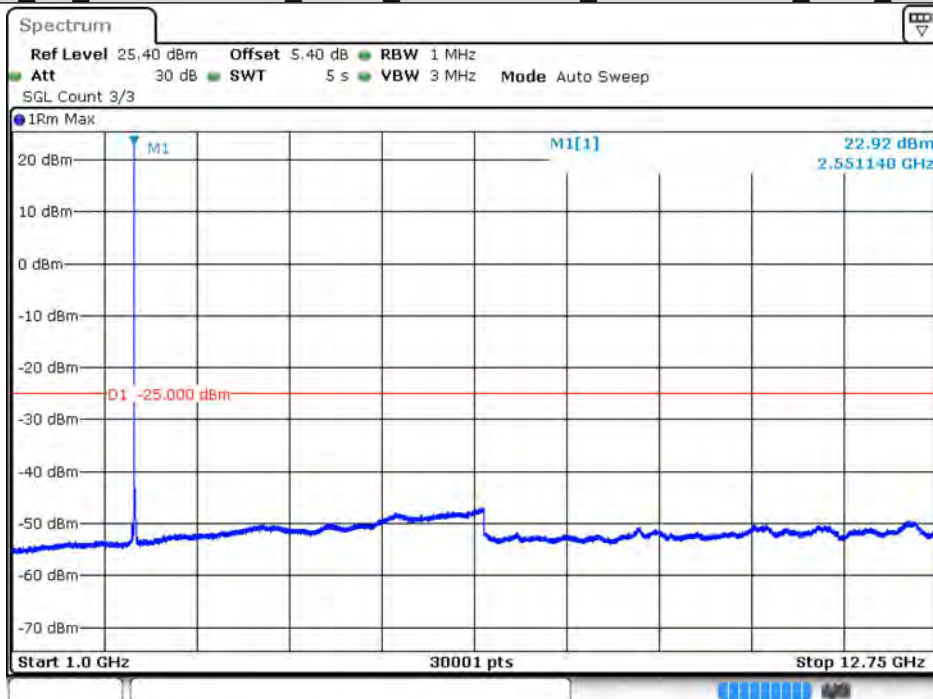
CA 7C_100RB+100RB_QPSK_21350+21152_1RB#0+0RB#0_30_1000



Date: 19.OCT.2020 17:19:04

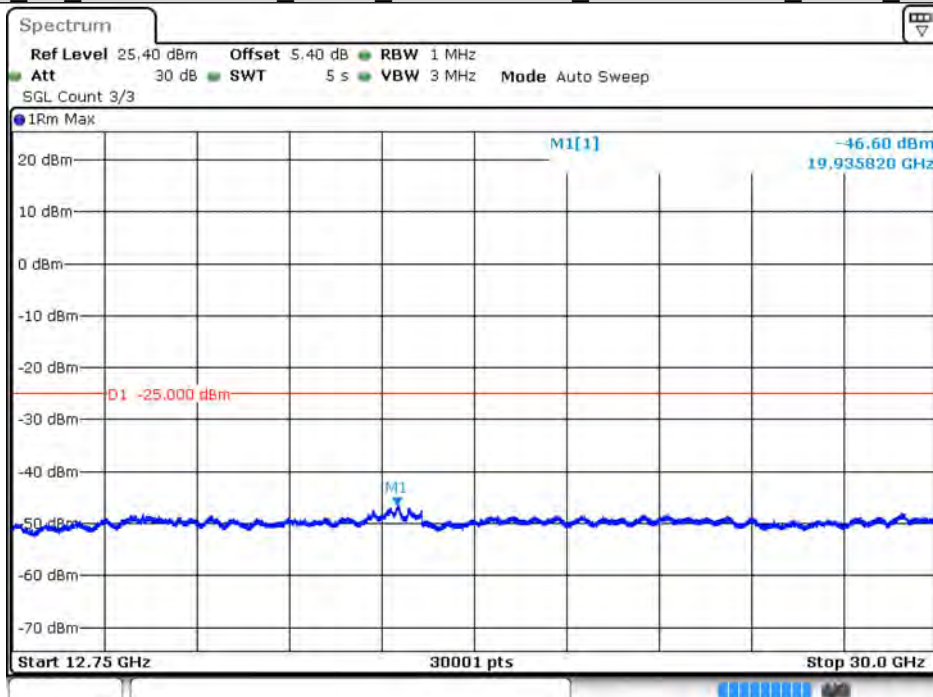


CA 7C 100RB+100RB QPSK 21350+21152 1RB#0+0RB#0 1000 12750



Date: 19.OCT.2020 17:26:00

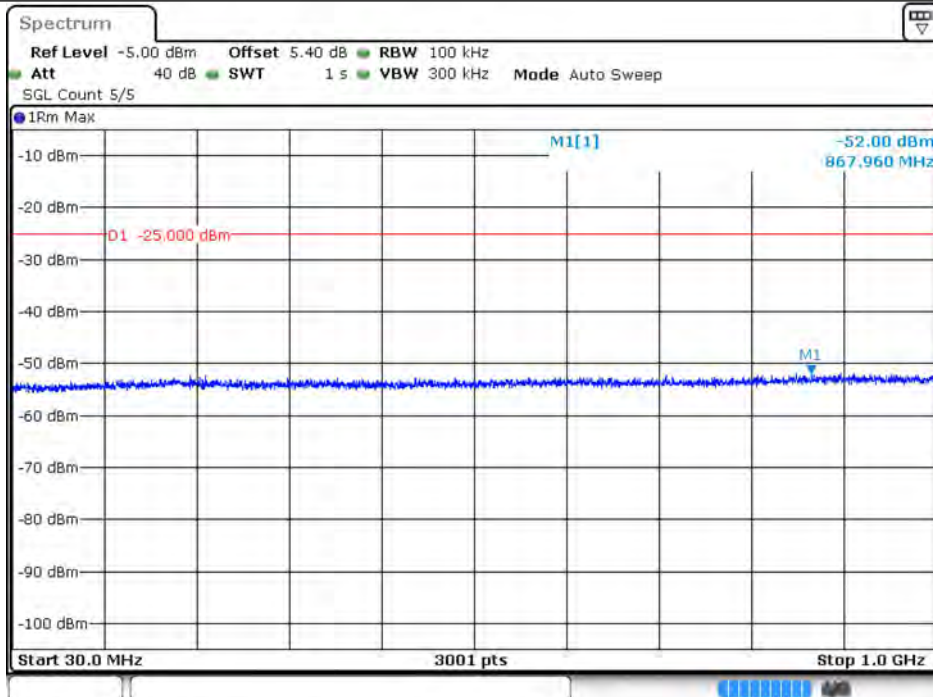
CA 7C 100RB+100RB QPSK 21350+21152 1RB#0+0RB#0 12750 30000



Date: 19.OCT.2020 17:35:04

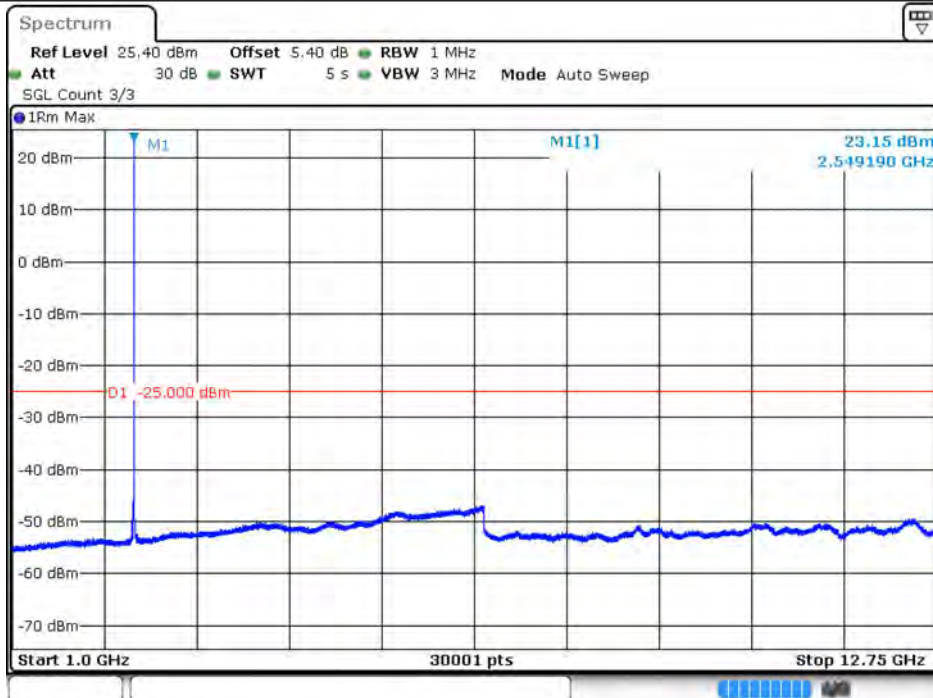


CA_7C_100RB+100RB_QPSK_21350+21152_0RB#0+1RB#99_30_1000



Date: 19.OCT.2020 17:19:10

CA_7C_100RB+100RB_QPSK_21350+21152_0RB#0+1RB#99_1000_12750



Date: 19.OCT.2020 17:26:45

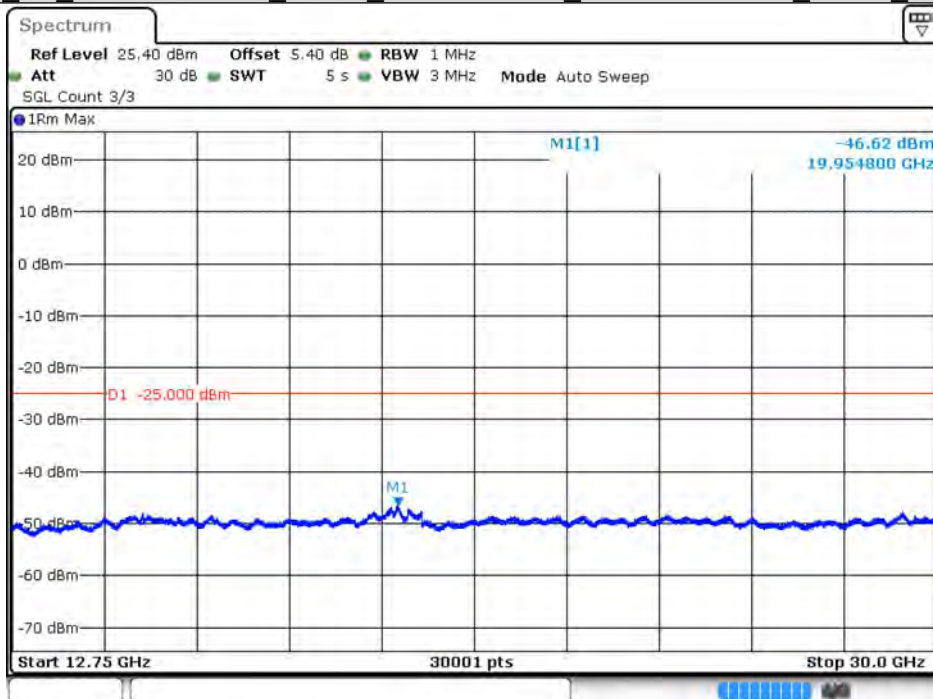


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Inspection & Testing Services

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.

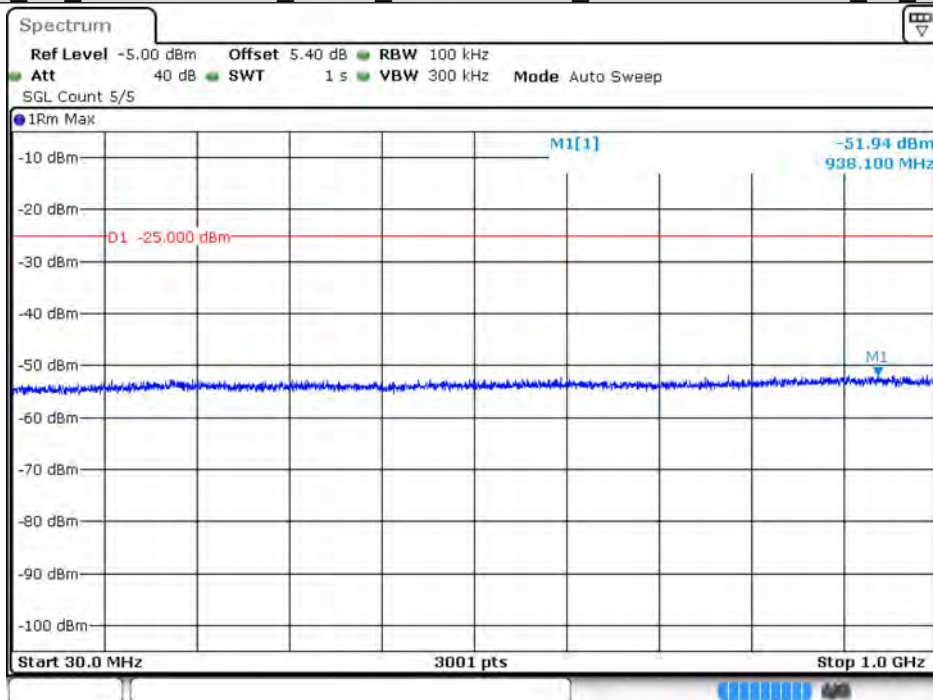
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

CA 7C_100RB+100RB_QPSK_21350+21152_0RB#0+1RB#99_12750_30000



Date: 19.OCT.2020 17:35:21

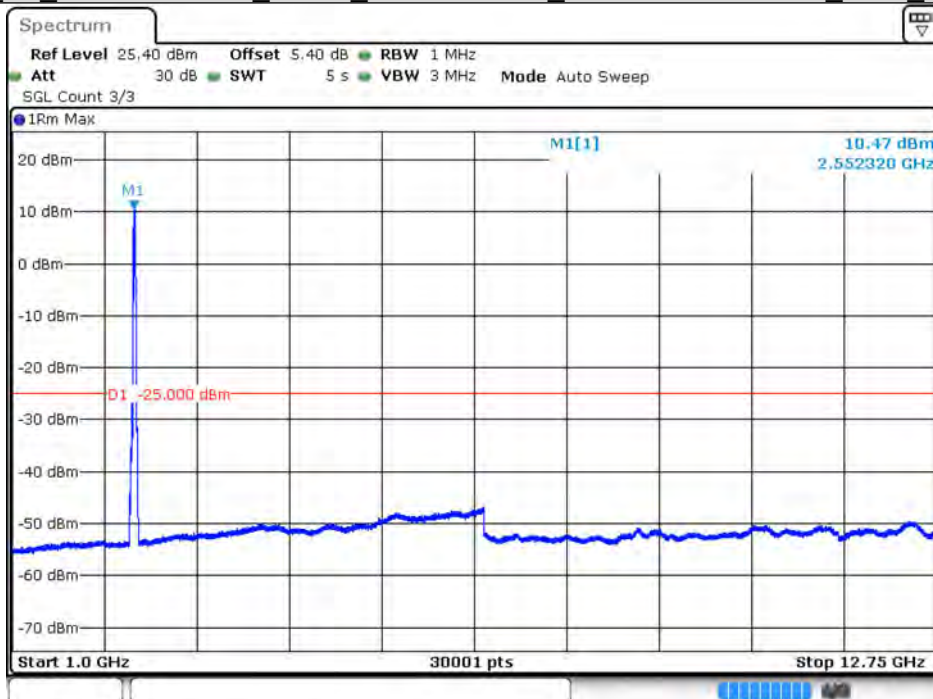
CA 7C_100RB+100RB_QPSK_21350+21152_100RB#0+100RB#0_30_1000



Date: 19.OCT.2020 17:19:17

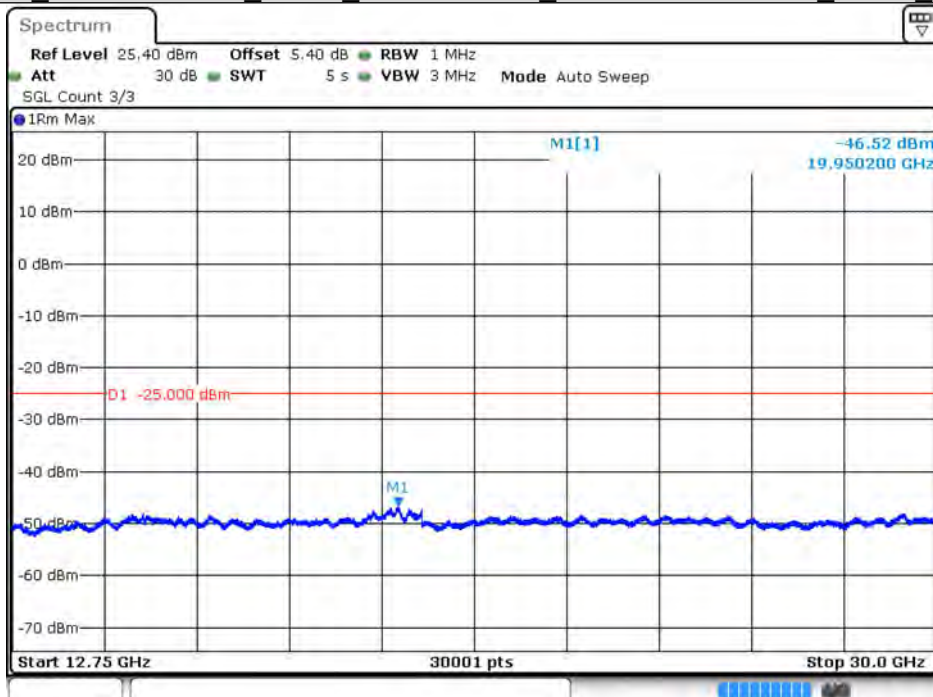


CA 7C 100RB+100RB QPSK 21350+21152 100RB#0+100RB#0 1000 12750



Date: 19.OCT.2020 17:27:33

CA 7C 100RB+100RB QPSK 21350+21152 100RB#0+100RB#0 12750 30000



Date: 19.OCT.2020 17:35:39





7 Field Strength of Spurious Radiation

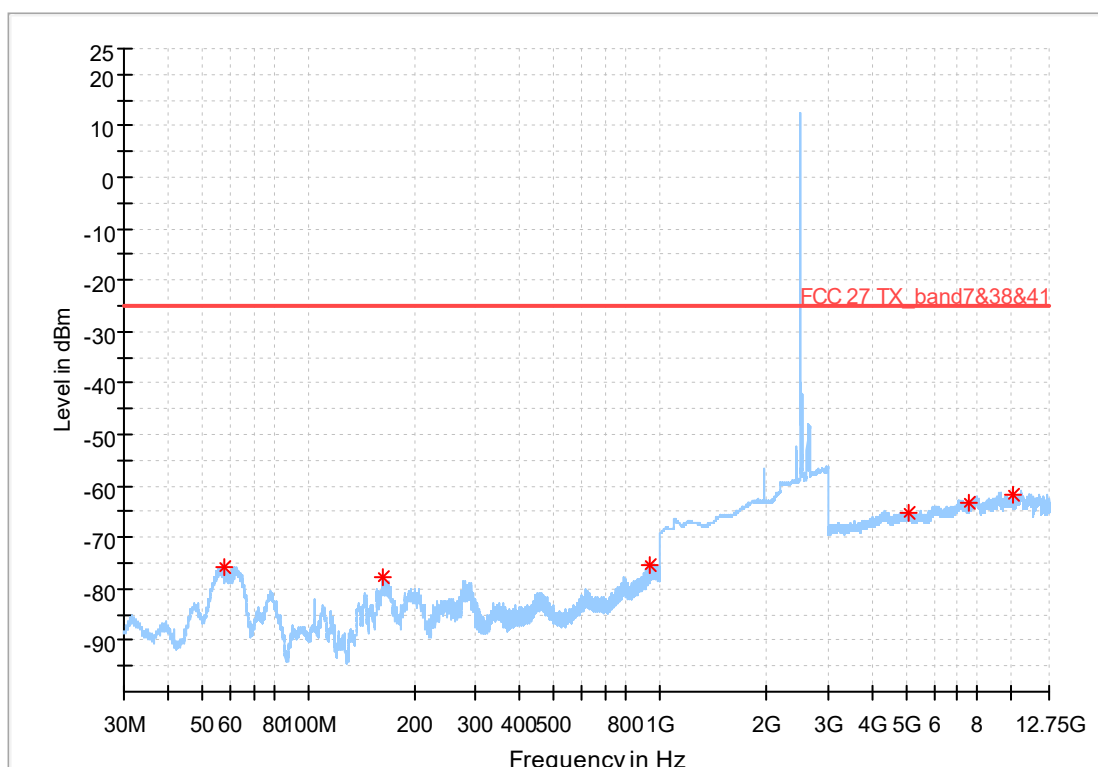
7.1 For LTE UL CA

7.1.1 Test Band = LTE Band CA_7C (Ant1)

7.1.1.1 Test Mode =LTE/QPSK

7.1.1.1.1 Test Channel = LCH_Horizontal

Full Spectrum



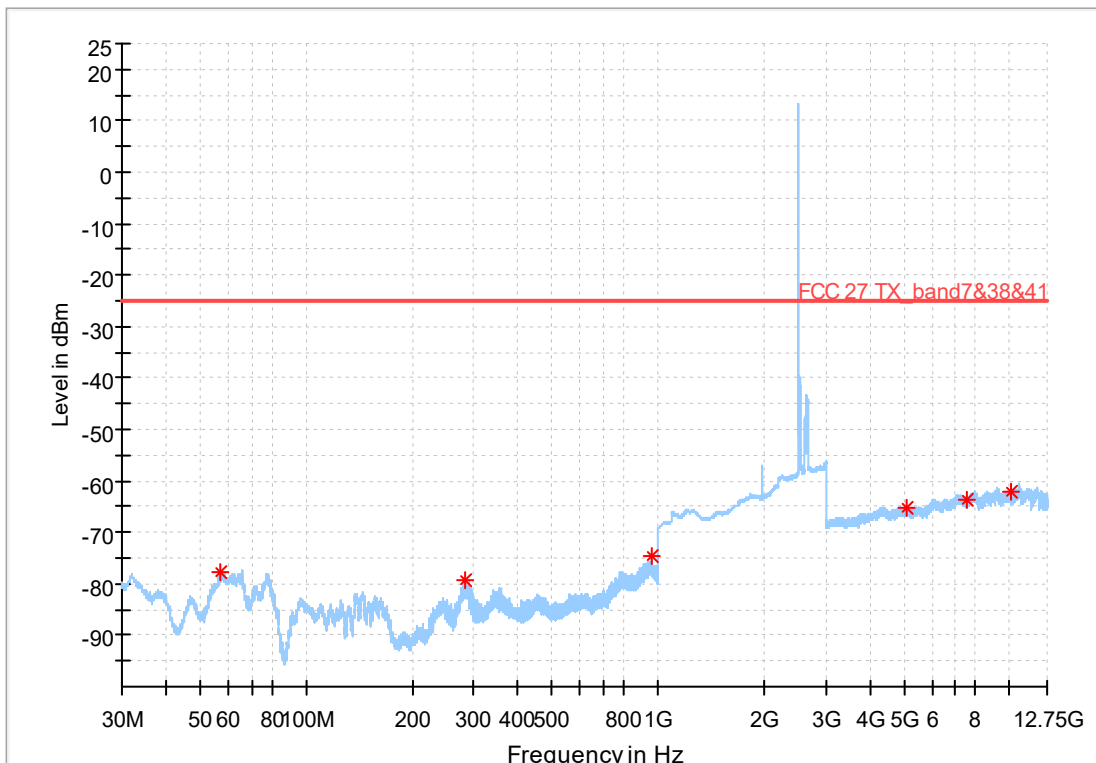
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
57.550000	-75.68	-36.00	39.68	---	---	200.0	H	314.0	-96.0
163.900000	-77.88	-36.00	41.88	---	---	200.0	H	179.0	-107.7
940.370833	-75.52	-36.00	39.52	---	---	200.0	H	319.0	-92.3
5066.675000	-65.08	-30.00	35.08	---	---	200.0	H	161.0	-101.7
7514.900000	-63.22	-30.00	33.22	---	---	200.0	H	128.0	-99.4
10078.825000	-61.85	-30.00	31.85	---	---	200.0	H	161.0	-97.3



7.1.1.1.2 Test Channel = LCH_Vertical

Full Spectrum



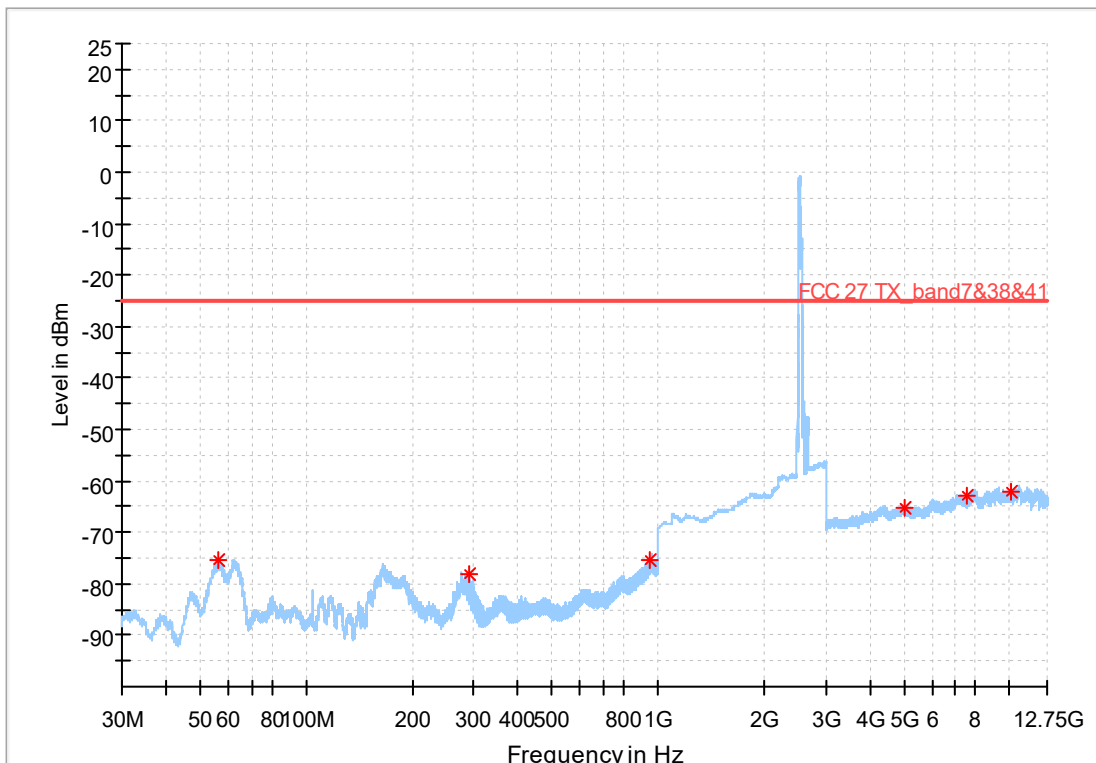
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.850000	-77.56	-25.00	52.56	---	---	200.0	V	271.0	-101.2
284.800000	-79.21	-25.00	54.21	---	---	200.0	V	132.0	-102.8
955.220833	-74.72	-25.00	49.72	---	---	200.0	V	140.0	-92.3
5053.675000	-65.09	-25.00	40.09	---	---	200.0	V	358.0	-101.8
7505.150000	-63.49	-25.00	38.49	---	---	200.0	V	252.0	-99.3
10076.550000	-62.26	-25.00	37.26	---	---	200.0	V	358.0	-97.3



7.1.1.1.3 Test Channel = MCH_Horizontal

Full Spectrum



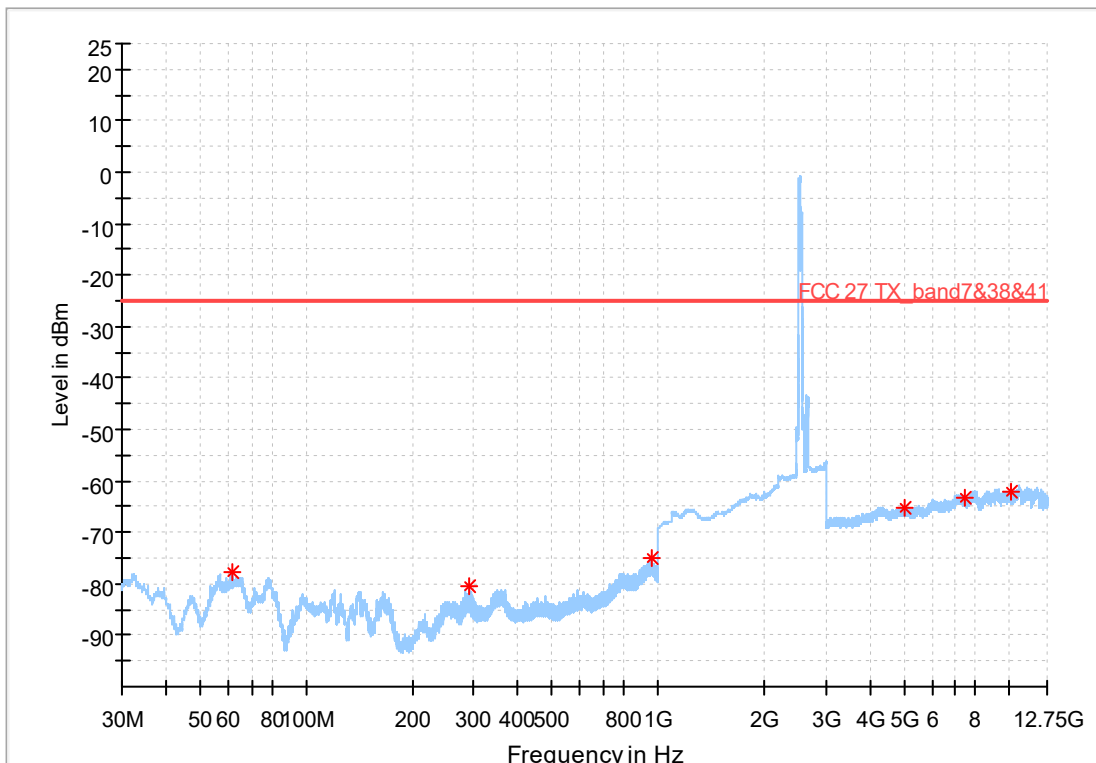
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
56.600000	-75.54	-25.00	50.54	---	---	200.0	H	324.0	-96.7
289.450000	-78.11	-25.00	53.11	---	---	200.0	H	333.0	-102.9
950.408333	-75.25	-25.00	50.25	---	---	200.0	H	139.0	-91.9
5017.600000	-65.11	-25.00	40.11	---	---	200.0	H	151.0	-101.6
7502.225000	-62.96	-25.00	37.96	---	---	200.0	H	0.0	-99.4
10057.050000	-62.30	-25.00	37.30	---	---	200.0	H	0.0	-97.3



7.1.1.1.4 Test Channel = MCH_Vertical

Full Spectrum



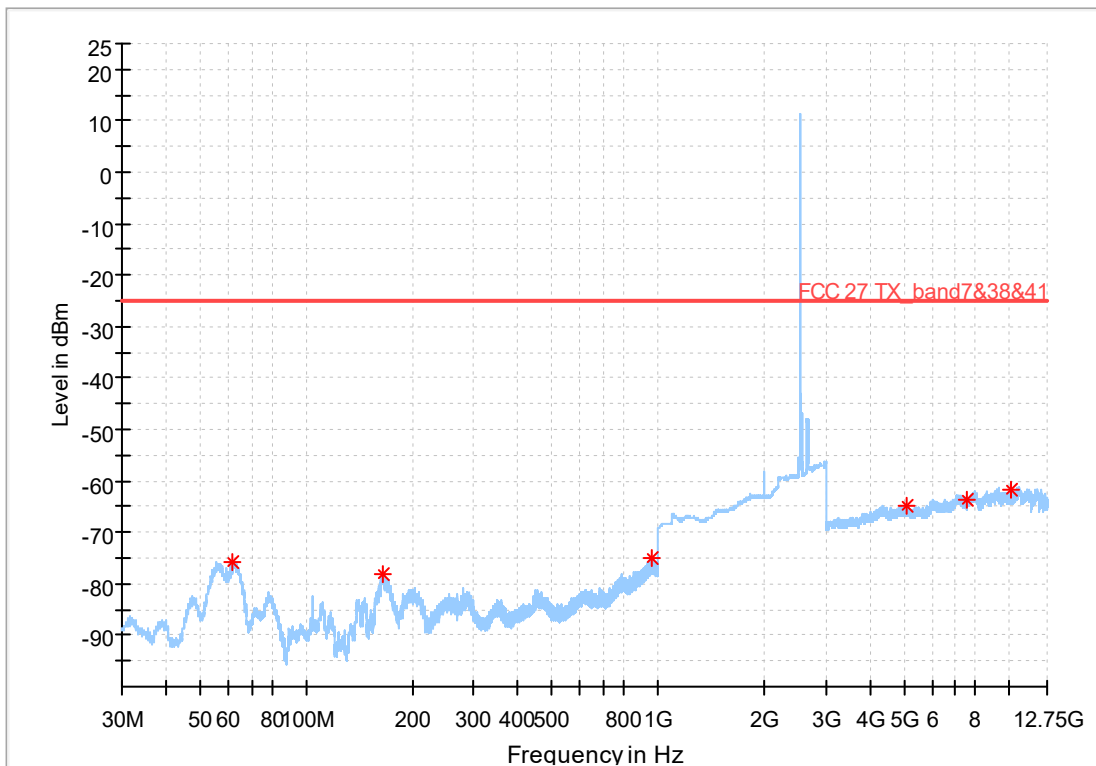
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.450000	-77.87	-25.00	52.87	---	---	200.0	V	295.0	-100.8
290.800000	-80.33	-25.00	55.33	---	---	200.0	V	130.0	-102.7
959.162500	-75.15	-25.00	50.15	---	---	200.0	V	235.0	-92.3
5044.900000	-65.36	-25.00	40.36	---	---	200.0	V	298.0	-101.8
7420.650000	-63.10	-25.00	38.10	---	---	200.0	V	334.0	-99.5
10038.525000	-62.19	-25.00	37.19	---	---	200.0	V	206.0	-97.3



7.1.1.1.5 Test Channel = HCH_Horizontal

Full Spectrum



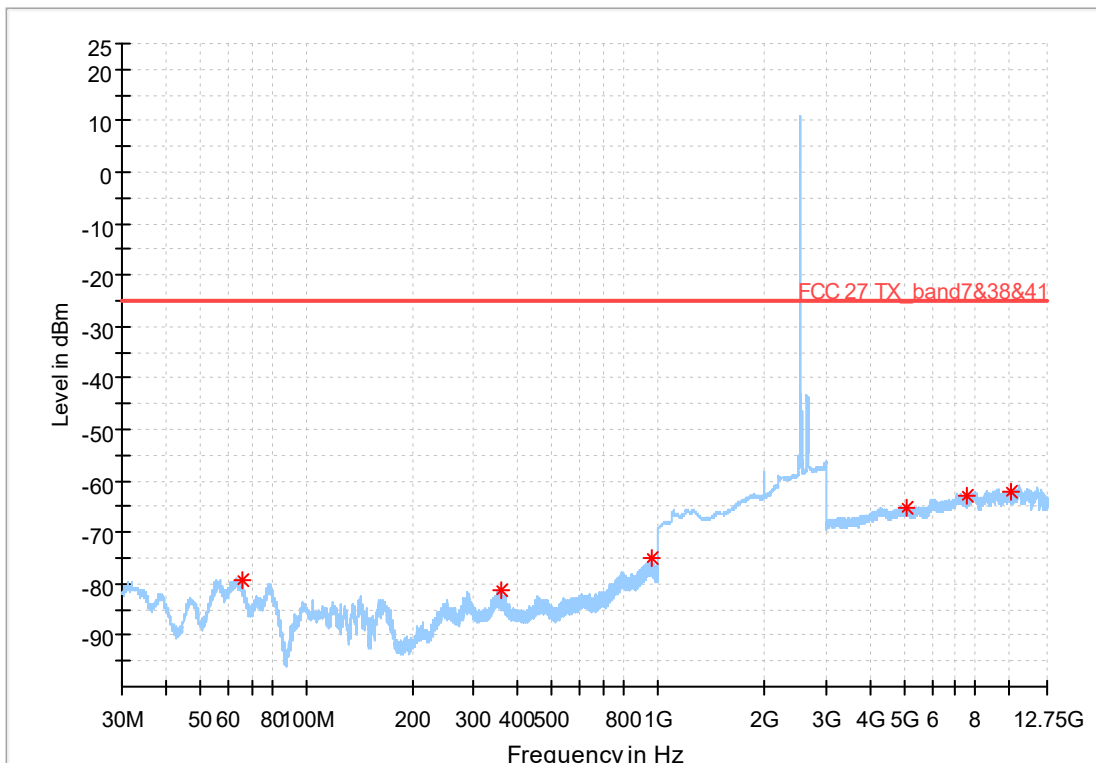
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
61.950000	-75.78	-25.00	50.78	---	---	200.0	H	314.0	-95.0
165.050000	-77.96	-25.00	52.96	---	---	200.0	H	177.0	-107.5
964.066667	-75.11	-25.00	50.11	---	---	200.0	H	177.0	-92.0
5077.725000	-64.79	-25.00	39.79	---	---	200.0	H	185.0	-101.7
7584.450000	-63.53	-25.00	38.53	---	---	200.0	H	96.0	-99.1
10068.425000	-61.85	-25.00	36.85	---	---	200.0	H	0.0	-97.3



7.1.1.1.6 Test Channel = HCH_Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.600000	-79.44	-25.00	54.44	---	---	200.0	V	314.0	-99.7
358.550000	-81.23	-25.00	56.23	---	---	200.0	V	140.0	-101.3
961.958333	-74.87	-25.00	49.87	---	---	200.0	V	309.0	-92.5
5081.625000	-65.32	-25.00	40.32	---	---	200.0	V	275.0	-101.8
7500.275000	-62.95	-25.00	37.95	---	---	200.0	V	264.0	-99.3
10062.250000	-62.22	-25.00	37.22	---	---	200.0	V	50.0	-97.2



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (China) Testing Laboratory

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-Document.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

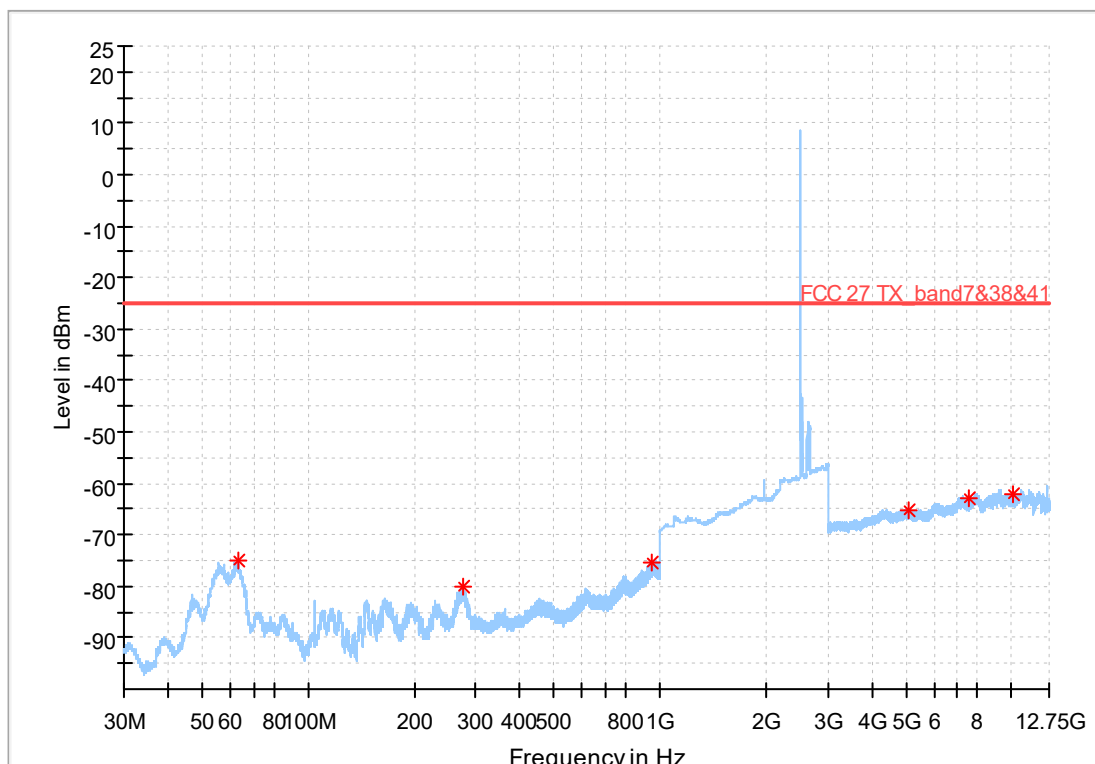


7.1.2 Test Band = LTE Band CA_7C (Ant2)

7.1.2.1 Test Mode =LTE/QPSK

7.1.2.1.1 Test Channel = LCH_Horizontal

Full Spectrum



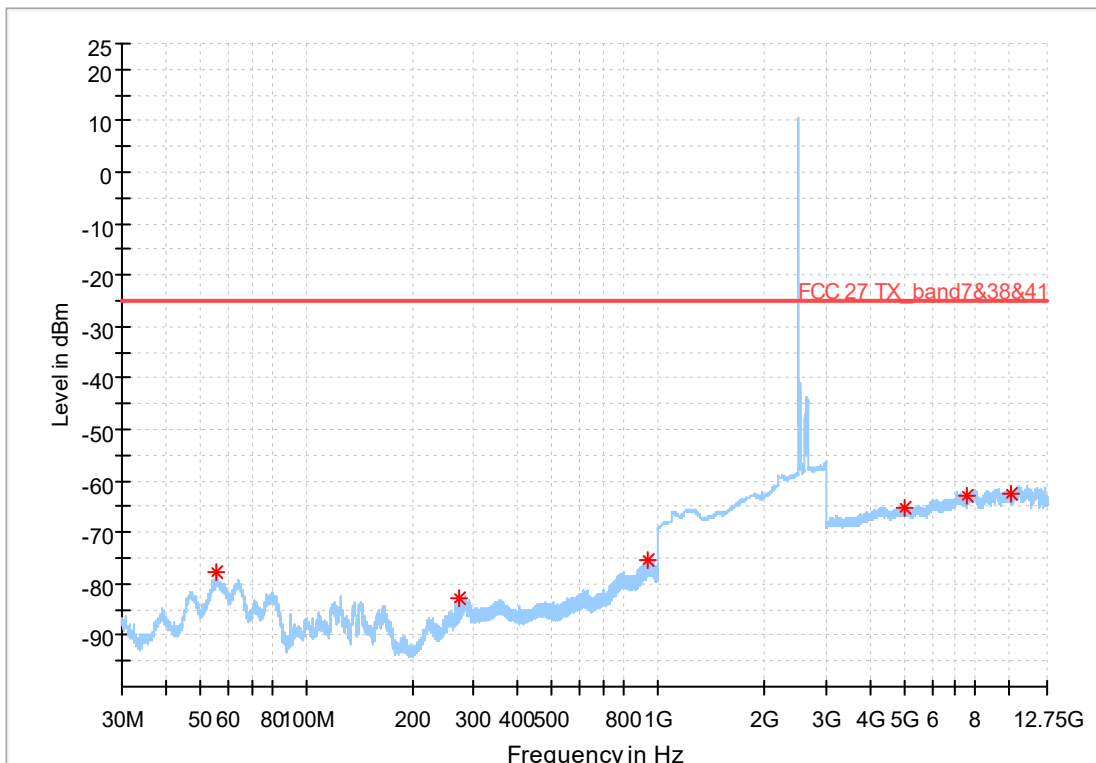
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.050000	-75.14	-25.00	50.14	---	---	200.0	H	306.0	-95.7
275.350000	-80.21	-25.00	55.21	---	---	200.0	H	160.0	-102.6
948.025000	-75.35	-25.00	50.35	---	---	200.0	H	111.0	-91.9
5077.725000	-65.29	-25.00	40.29	---	---	200.0	H	117.0	-101.7
7503.200000	-62.77	-25.00	37.77	---	---	200.0	H	286.0	-99.4
10045.675000	-62.00	-25.00	37.00	---	---	200.0	H	117.0	-97.3



7.1.2.1.2 Test Channel = LCH_Vertical

Full Spectrum



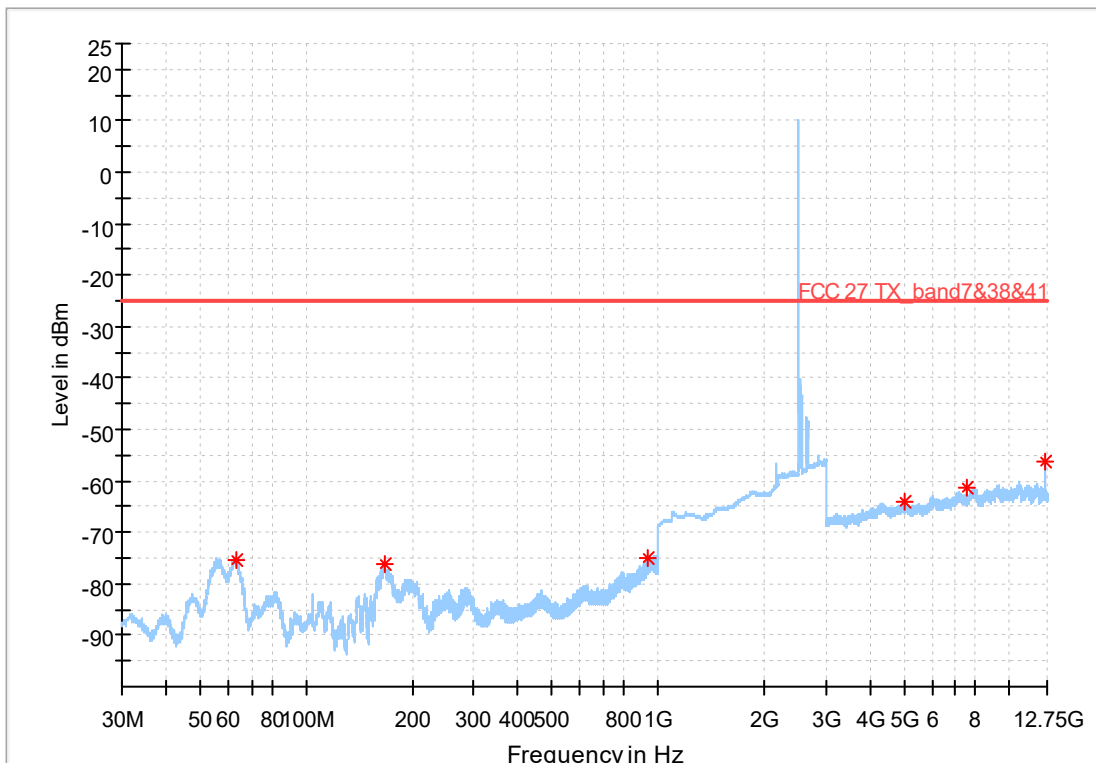
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.950000	-77.82	-25.00	52.82	---	---	200.0	V	279.0	-101.6
273.800000	-82.85	-25.00	57.85	---	---	200.0	V	0.0	-103.7
937.712500	-75.21	-25.00	50.21	---	---	200.0	V	281.0	-92.6
5037.750000	-65.07	-25.00	40.07	---	---	200.0	V	0.0	-101.8
7502.875000	-63.05	-25.00	38.05	---	---	200.0	V	298.0	-99.3
10030.725000	-62.32	-25.00	37.32	---	---	200.0	V	0.0	-97.3



7.1.2.1.3 Test Channel = MCH_Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.300000	-75.40	-25.00	50.40	---	---	200.0	H	21.0	-96.0
167.650000	-76.19	-25.00	51.19	---	---	200.0	H	40.0	-107.3
933.404167	-74.96	-25.00	49.96	---	---	200.0	H	73.0	-92.7
5032.225000	-63.88	-25.00	38.88	---	---	200.0	H	289.0	-101.6
7548.700000	-61.27	-25.00	36.27	---	---	200.0	H	289.0	-99.4
12581.000000	-56.38	-25.00	31.38	---	---	200.0	H	266.0	-96.5



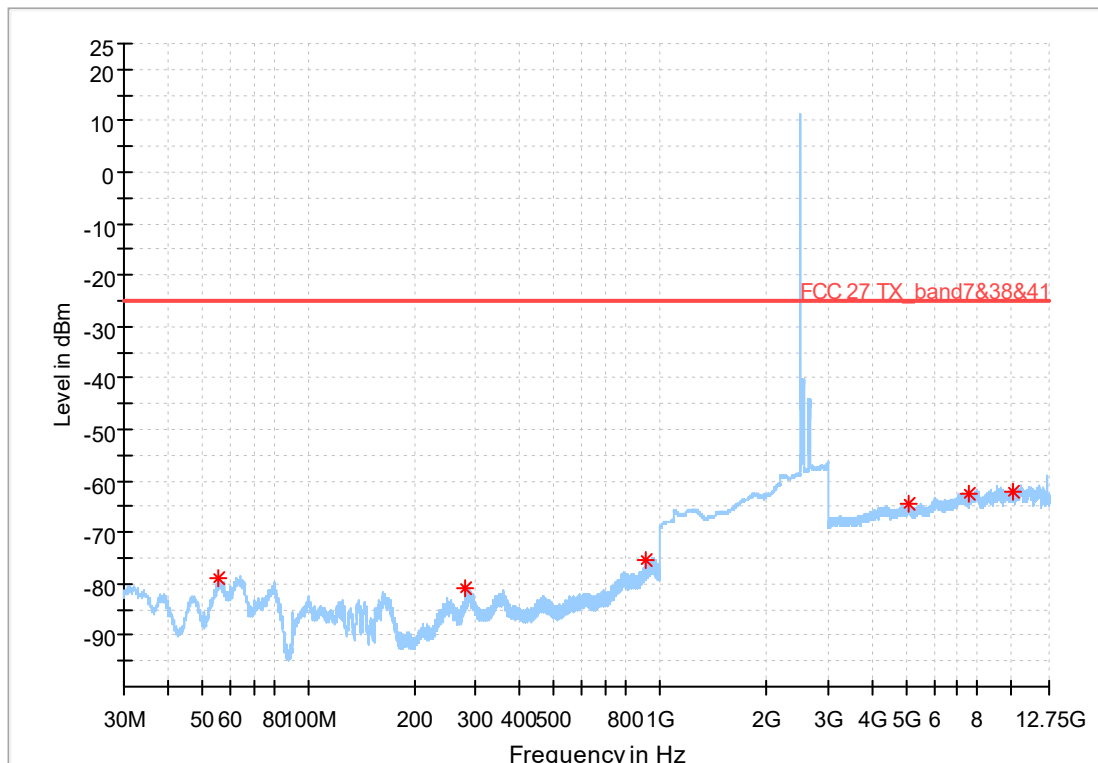
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (M-10) 12th Floor, ETC Laboratory

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-Document.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

7.1.2.1.4 Test Channel = MCH_Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.850000	-78.86	-25.00	53.86	---	---	200.0	V	277.0	-101.6
280.150000	-81.02	-25.00	56.02	---	---	200.0	V	312.0	-103.1
908.012500	-75.38	-25.00	50.38	---	---	200.0	V	281.0	-93.7
5077.725000	-64.61	-25.00	39.61	---	---	200.0	V	231.0	-101.8
7548.700000	-62.48	-25.00	37.48	---	---	200.0	V	299.0	-99.2
10047.625000	-62.10	-25.00	37.10	---	---	200.0	V	0.0	-97.3



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (M-10) 12th Floor Laboratory

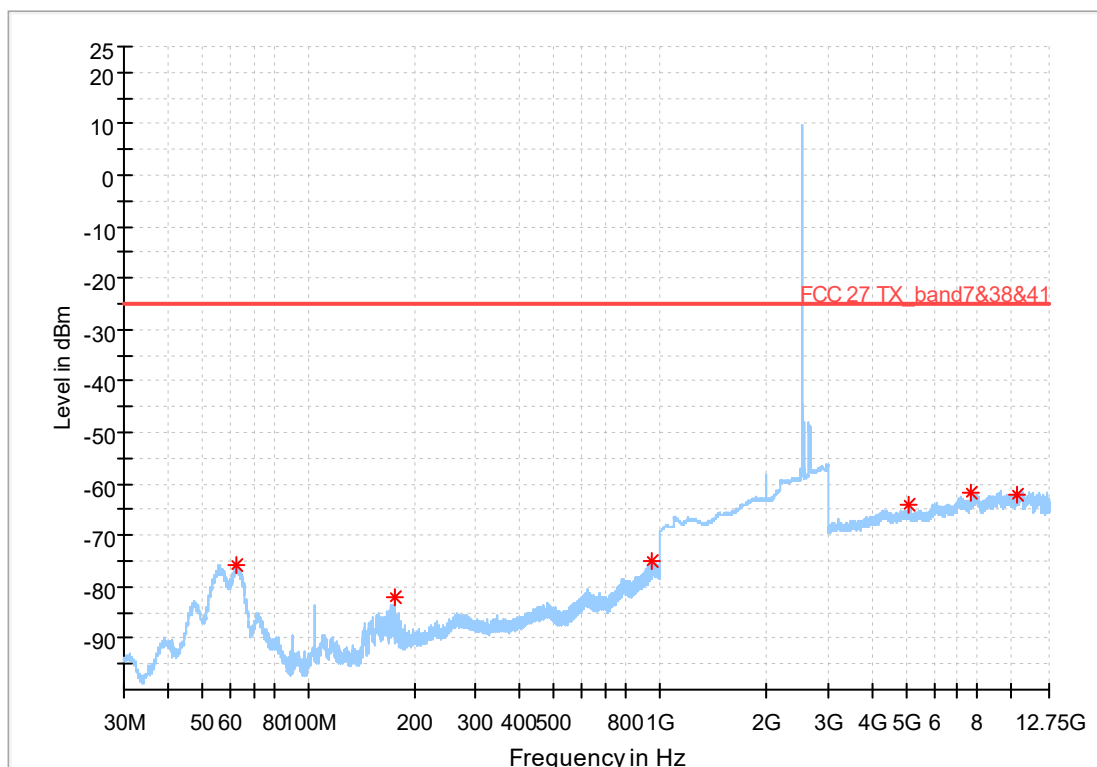
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.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

7.1.2.1.5 Test Channel = HCH_Horizontal

Full Spectrum



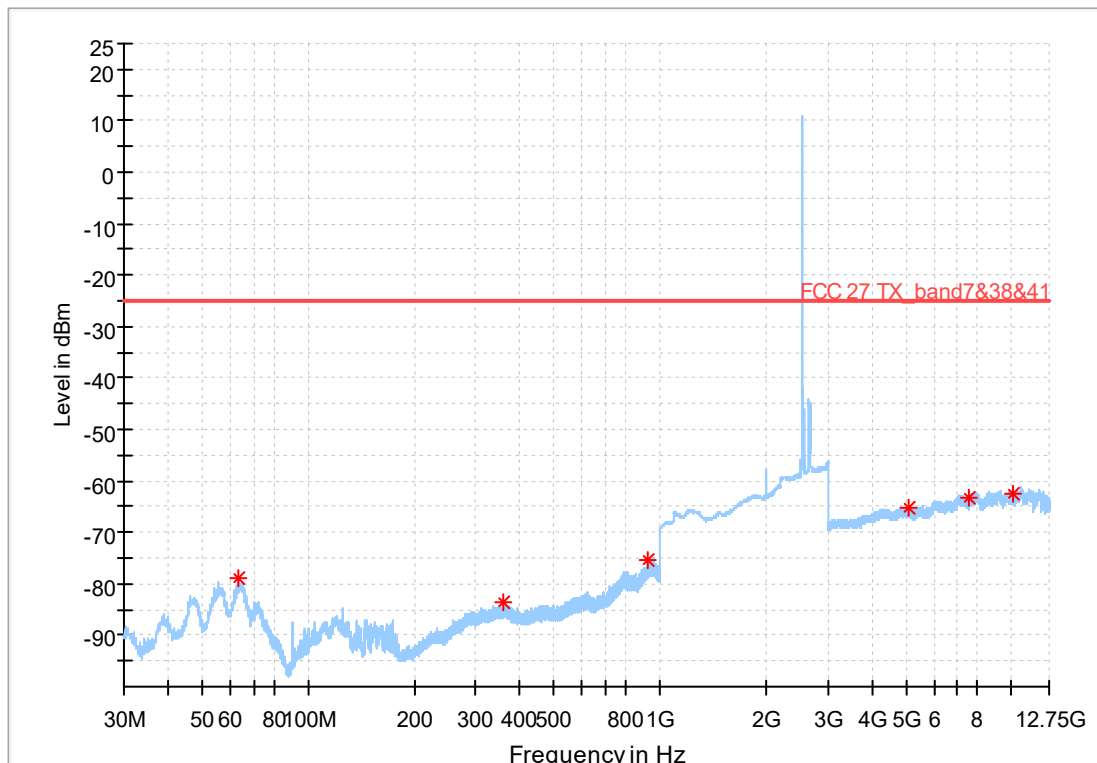
Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.350000	-75.78	-25.00	50.78	---	---	200.0	H	359.0	-95.0
177.350000	-82.06	-25.00	57.06	---	---	200.0	H	40.0	-107.2
944.587500	-75.05	-25.00	50.05	---	---	200.0	H	62.0	-92.1
5062.450000	-64.13	-25.00	39.13	---	---	200.0	H	322.0	-101.7
7593.875000	-61.61	-25.00	36.61	---	---	200.0	H	275.0	-99.1
10298.200000	-62.09	-25.00	37.09	---	---	200.0	H	230.0	-96.8



7.1.2.1.6 Test Channel = HCH_Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.500000	-78.88	-25.00	53.88	---	---	200.0	V	278.0	-100.1
360.450000	-83.70	-25.00	58.70	---	---	200.0	V	131.0	-101.3
923.412500	-75.47	-25.00	50.47	---	---	200.0	V	241.0	-93.1
5054.000000	-65.32	-25.00	40.32	---	---	200.0	V	38.0	-101.8
7504.500000	-63.29	-25.00	38.29	---	---	200.0	V	196.0	-99.3
10081.100000	-62.43	-25.00	37.43	---	---	200.0	V	230.0	-97.3

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz and above 12.75GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.



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



8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			Config					
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	TN	NV	-10.42	-0.004159	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	TN	NV	-13.43	-0.005319	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	TN	NV	0.15	0.000059	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	TN	NV	-9.97	-0.003940	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	TN	NV	8.57	0.003369	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	TN	NV	-4.59	-0.001792	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	TN	NV	-4.46	-0.001780	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	TN	NV	-14.54	-0.005759	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	TN	NV	-5.27	-0.002074	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	TN	NV	4.65	0.001837	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	TN	NV	-12.94	-0.005083	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	TN	NV	6.76	0.002641	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	TN	NV	0.66	0.000262	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	TN	NV	6.30	0.002496	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	TN	NV	-9.95	-0.003917	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	TN	NV	-13.05	-0.005158	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	TN	NV	1.62	0.000638	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	TN	NV	7.41	0.002893	PASS





8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB Config	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-30	-10.54	-0.004207	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-20	-0.53	-0.000212	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	-10	-4.74	-0.001892	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	0	-5.42	-0.002162	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	10	-3.73	-0.001489	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	20	-9.60	-0.003830	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	30	-7.52	-0.003001	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	40	-2.56	-0.001024	PASS
CA_7C	QPSK	20850-21048	100RB#0/100RB#0	NV	50	14.76	0.005892	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-30	13.37	0.005293	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-20	-6.22	-0.002462	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	-10	-3.48	-0.001376	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	0	4.64	0.001838	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	10	10.08	0.003994	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	20	-5.51	-0.002182	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	30	10.45	0.004137	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	40	12.79	0.005067	PASS
CA_7C	QPSK	21001-21199	100RB#0/100RB#0	NV	50	-4.85	-0.001920	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-30	2.92	0.001151	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-20	-7.30	-0.002872	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	-10	4.43	0.001744	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	0	2.99	0.001177	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	10	-3.63	-0.001430	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	20	-14.07	-0.005539	PASS



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

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



CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	30	-12.64	-0.004976	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	40	0.60	0.000237	PASS
CA_7C	QPSK	21152-21350	100RB#0/100RB#0	NV	50	-2.09	-0.000822	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-30	8.49	0.003354	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-20	0.51	0.000201	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	-10	10.35	0.004090	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	0	-13.55	-0.005357	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	10	-5.87	-0.002322	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	20	-6.55	-0.002588	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	30	11.90	0.004703	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	40	0.51	0.000201	PASS
CA_7C	QPSK	21048-20850	100RB#0/100RB#0	NV	50	9.15	0.003616	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-30	-12.91	-0.005074	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-20	3.06	0.001202	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	-10	-0.80	-0.000313	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	0	-8.72	-0.003428	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	10	-0.85	-0.000335	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	20	-9.91	-0.003893	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	30	-13.46	-0.005291	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	40	4.06	0.001596	PASS
CA_7C	QPSK	21199-21001	100RB#0/100RB#0	NV	50	14.31	0.005622	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-30	-9.07	-0.003542	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-20	8.52	0.003328	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	-10	-4.50	-0.001758	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	0	-8.66	-0.003383	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	10	1.85	0.000723	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) ECU Laboratory

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



CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	20	-10.47	-0.004090	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	30	5.22	0.002040	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	40	12.89	0.005037	PASS
CA_7C	QPSK	21350-21152	100RB#0/100RB#0	NV	50	-9.01	-0.003521	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-30	10.05	0.004011	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-20	2.57	0.001025	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	-10	4.10	0.001636	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	0	-7.18	-0.002866	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	10	-12.21	-0.004873	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	20	-3.13	-0.001247	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	30	11.68	0.004661	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	40	6.91	0.002760	PASS
CA_7C	16QAM	20850-21048	100RB#0/100RB#0	NV	50	6.95	0.002775	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-30	-8.53	-0.003379	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-20	11.35	0.004494	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	-10	7.84	0.003104	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	0	-14.35	-0.005685	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	10	-4.69	-0.001859	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	20	11.53	0.004564	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	30	-14.08	-0.005578	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	40	-9.54	-0.003776	PASS
CA_7C	16QAM	21001-21199	100RB#0/100RB#0	NV	50	-13.50	-0.005345	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-30	4.47	0.001758	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-20	0.95	0.000374	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	-10	-2.24	-0.000881	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	0	-10.41	-0.004100	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) 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



CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	10	6.52	0.002568	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	20	-1.80	-0.000708	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	30	-6.32	-0.002488	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	40	12.60	0.004961	PASS
CA_7C	16QAM	21152-21350	100RB#0/100RB#0	NV	50	-14.75	-0.005805	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-30	7.47	0.002954	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-20	4.10	0.001622	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	-10	14.96	0.005912	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	0	9.53	0.003769	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	10	3.33	0.001315	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	20	-4.99	-0.001974	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	30	-9.23	-0.003648	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	40	14.08	0.005567	PASS
CA_7C	16QAM	21048-20850	100RB#0/100RB#0	NV	50	11.17	0.004415	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-30	12.88	0.005060	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-20	7.50	0.002949	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	-10	-0.22	-0.000087	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	0	12.54	0.004928	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	10	4.52	0.001777	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	20	10.89	0.004277	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	30	-9.04	-0.003553	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	40	0.96	0.000376	PASS
CA_7C	16QAM	21199-21001	100RB#0/100RB#0	NV	50	-9.94	-0.003906	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-30	-4.19	-0.001636	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-20	-12.81	-0.005004	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	-10	2.46	0.000960	PASS



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

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



CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	0	-14.37	-0.005612	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	10	-9.61	-0.003755	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	20	-13.49	-0.005271	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	30	-4.03	-0.001576	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	40	-4.75	-0.001857	PASS
CA_7C	16QAM	21350-21152	100RB#0/100RB#0	NV	50	-12.13	-0.004736	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-30	-2.27	-0.000907	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-20	8.81	0.003515	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	-10	6.48	0.002588	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	0	8.91	0.003555	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	10	-1.57	-0.000626	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	20	-4.47	-0.001783	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	30	-3.62	-0.001445	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	40	-12.88	-0.005140	PASS
CA_7C	64QAM	20850-21048	100RB#0/100RB#0	NV	50	-7.87	-0.003140	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-30	-1.48	-0.000587	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-20	-5.06	-0.002004	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	-10	-9.02	-0.003572	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	0	-5.26	-0.002085	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	10	-8.58	-0.003400	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	20	-4.80	-0.001900	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	30	0.20	0.000079	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	40	-8.09	-0.003203	PASS
CA_7C	64QAM	21001-21199	100RB#0/100RB#0	NV	50	7.19	0.002849	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-30	4.91	0.001934	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-20	-8.95	-0.003522	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) 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



CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	-10	-9.20	-0.003620	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	0	-13.18	-0.005189	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	10	-7.37	-0.002901	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	20	-2.78	-0.001093	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	30	1.84	0.000726	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	40	-7.89	-0.003106	PASS
CA_7C	64QAM	21152-21350	100RB#0/100RB#0	NV	50	3.29	0.001296	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-30	-3.16	-0.001247	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-20	-14.77	-0.005837	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	-10	13.09	0.005172	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	0	-8.64	-0.003415	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	10	8.28	0.003274	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	20	-1.05	-0.000415	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	30	-10.14	-0.004010	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	40	-9.57	-0.003781	PASS
CA_7C	64QAM	21048-20850	100RB#0/100RB#0	NV	50	-6.29	-0.002485	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-30	-6.21	-0.002442	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-20	-8.01	-0.003148	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	-10	11.25	0.004421	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	0	-14.96	-0.005877	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	10	10.94	0.004298	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	20	-0.54	-0.000212	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	30	-11.39	-0.004475	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	40	4.87	0.001912	PASS
CA_7C	64QAM	21199-21001	100RB#0/100RB#0	NV	50	-5.55	-0.002180	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-30	-3.02	-0.001178	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



CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-20	4.73	0.001849	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	-10	-2.47	-0.000966	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	0	-0.68	-0.000267	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	10	14.77	0.005769	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	20	2.39	0.000932	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	30	3.74	0.001463	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	40	-13.70	-0.005352	PASS
CA_7C	64QAM	21350-21152	100RB#0/100RB#0	NV	50	14.77	0.005771	PASS

The End

