



Appendix B

E-UTRA Band CA_41C



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

CONTENT

Page

1	EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA.....	3
1.1	TEST RESULT FOR LTE BAND CA_41C (ANT0)	3
1.2	TEST RESULT FOR LTE BAND CA_41C (ANT2)	4
1.3	TEST RESULT FOR LTE BAND CA_41C (ANT3)	6
2	PEAK-TO-AVERAGE RATIO	9
2.1	FOR LTE.....	10
2.1.1	Test Band = LTE Band CA_41C.....	10
3	MODULATION CHARACTERISTICS	20
3.1	FOR LTE.....	20
3.1.1	Test Band = LTE Band CA_41C.....	20
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	23
4.1	FOR LTE.....	25
4.1.1	Test Band = LTE Band CA_41C.....	25
5	BAND EDGES COMPLIANCE	52
5.1	FOR LTE.....	52
5.1.1	Test Band = LTE Band CA_41C.....	52
6	SPURIOUS EMISSION AT ANTENNA TERMINAL	65
6.1	FOR LTE.....	65
6.1.1	Test Band = LTE Band CA_41C.....	65
7	FIELD STRENGTH OF SPURIOUS RADIATION.....	92
7.1	FOR LTE UL CA	92
7.1.1	Test Band = LTE Band CA_41C (Ant0).....	92
7.1.2	Test Band = LTE Band CA_41C (Ant2)	93
7.1.3	Test Band = LTE Band CA_41C (Ant3)	95
8	FREQUENCY STABILITY.....	97
8.1	FREQUENCY ERROR VS. VOLTAGE	97
8.2	FREQUENCY ERROR VS. TEMPERATURE	97



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.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



1 Effective (Isotropic) Radiated Power Output Data

1.1 Test Result for LTE Band CA_41C (Ant0)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	QPSK	23.59	19.79	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	QPSK	23.42	19.62	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	QPSK	23.16	19.36	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	QPSK	23.72	19.92	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	QPSK	23.78	19.98	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	QPSK	23.19	19.39	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	QPSK	23.92	20.12	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	QPSK	23.51	19.71	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	QPSK	22.59	18.79	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	QPSK	23.84	20.04	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	QPSK	23.78	19.98	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	QPSK	23.52	19.72	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	QPSK	23.75	19.95	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	QPSK	23.64	19.84	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	QPSK	22.91	19.11	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	QPSK	23.75	19.95	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	QPSK	23.79	19.99	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	QPSK	23.14	19.34	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	QPSK	23.99	20.19	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	QPSK	23.58	19.78	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	QPSK	22.84	19.04	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	QPSK	23.87	20.07	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	QPSK	23.79	19.99	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	QPSK	23.52	19.72	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	16QAM	23.19	19.39	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	16QAM	22.93	19.13	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	16QAM	22.23	18.43	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	16QAM	23.21	19.41	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	16QAM	22.81	19.01	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	16QAM	21.94	18.14	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	16QAM	23.30	19.50	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	16QAM	22.95	19.15	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	16QAM	22.70	18.90	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	16QAM	23.22	19.42	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	16QAM	23.01	19.21	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	16QAM	22.85	19.05	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	16QAM	23.04	19.24	33.00	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-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 telephones: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	16QAM	23.03	19.23	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	16QAM	22.36	18.56	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	16QAM	23.18	19.38	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	16QAM	22.83	19.03	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	16QAM	22.01	18.21	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	16QAM	23.34	19.54	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	16QAM	22.96	19.16	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	16QAM	22.73	18.93	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	16QAM	23.31	19.51	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	16QAM	22.81	19.01	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	16QAM	22.93	19.13	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	64QAM	22.16	18.36	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	64QAM	21.86	18.06	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	64QAM	21.17	17.37	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	64QAM	22.28	18.48	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	64QAM	21.87	18.07	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	64QAM	21.03	17.23	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	64QAM	22.16	18.36	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	64QAM	22.13	18.33	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	64QAM	21.55	17.75	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	64QAM	22.27	18.47	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	64QAM	21.79	17.99	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	64QAM	21.84	18.04	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	64QAM	21.98	18.18	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	64QAM	21.73	17.93	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	64QAM	21.33	17.53	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	64QAM	21.96	18.16	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	64QAM	21.81	18.01	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	64QAM	20.88	17.08	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	64QAM	22.21	18.41	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	64QAM	21.83	18.03	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	64QAM	21.59	17.79	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	64QAM	22.41	18.61	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	64QAM	21.78	17.98	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	64QAM	21.94	18.14	33.00	PASS

1.2 Test Result for LTE Band CA_41C (Ant2)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	QPSK	24.90	24.60	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	QPSK	24.36	24.06	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	QPSK	24.85	24.55	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	QPSK	24.76	24.46	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	QPSK	25.18	24.88	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	QPSK	24.82	24.52	33.00	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-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.

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



CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	QPSK	25.32	25.02	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	QPSK	24.82	24.52	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	QPSK	24.96	24.66	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	QPSK	25.16	24.86	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	QPSK	25.14	24.84	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	QPSK	24.98	24.68	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	QPSK	24.99	24.69	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	QPSK	24.30	24.00	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	QPSK	24.88	24.58	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	QPSK	24.92	24.62	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	QPSK	25.14	24.84	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	QPSK	24.86	24.56	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	QPSK	25.36	25.06	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	QPSK	24.99	24.69	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	QPSK	25.01	24.71	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	QPSK	25.32	25.02	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	QPSK	25.17	24.87	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	QPSK	25.04	24.74	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	16QAM	23.89	23.59	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	16QAM	23.70	23.40	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	16QAM	23.81	23.51	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	16QAM	24.43	24.13	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	16QAM	24.17	23.87	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	16QAM	24.00	23.70	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	16QAM	24.44	24.14	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	16QAM	24.08	23.78	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	16QAM	24.28	23.98	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	16QAM	24.54	24.24	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	16QAM	24.30	24.00	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	16QAM	24.10	23.80	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	16QAM	23.87	23.57	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	16QAM	23.80	23.50	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	16QAM	23.76	23.46	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	16QAM	24.23	23.93	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	16QAM	24.23	23.93	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	16QAM	24.01	23.71	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	16QAM	24.58	24.28	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	16QAM	24.03	23.73	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	16QAM	24.19	23.89	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	16QAM	24.57	24.27	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	16QAM	24.38	24.08	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	16QAM	24.25	23.95	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	64QAM	22.84	22.54	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	64QAM	22.73	22.43	33.00	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-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_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	64QAM	22.94	22.64	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	64QAM	23.35	23.05	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	64QAM	23.35	23.05	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	64QAM	22.90	22.60	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	64QAM	23.66	23.36	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	64QAM	23.15	22.85	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	64QAM	23.34	23.04	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	64QAM	23.55	23.25	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	64QAM	23.33	23.03	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	64QAM	23.14	22.84	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	64QAM	22.98	22.68	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	64QAM	22.98	22.68	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	64QAM	22.89	22.59	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	64QAM	23.15	22.85	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	64QAM	23.10	22.80	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	64QAM	22.70	22.40	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	64QAM	23.47	23.17	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	64QAM	23.04	22.74	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	64QAM	23.24	22.94	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	64QAM	23.47	23.17	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	64QAM	23.15	22.85	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	64QAM	23.28	22.98	33.00	PASS

1.3 Test Result for LTE Band CA_41C (Ant3)

BAND	Test Mode PCC/SCC	Channel PCC/SCC	RB Configuration		Modulation PCC&SCC	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
			PCC	SCC					
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	QPSK	24.32	24.22	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	QPSK	24.32	24.22	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	QPSK	24.34	24.24	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	QPSK	24.27	24.17	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	QPSK	24.32	24.22	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	QPSK	24.27	24.17	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	QPSK	24.59	24.49	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	QPSK	24.29	24.19	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	QPSK	23.93	23.83	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	QPSK	24.37	24.27	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	QPSK	24.29	24.19	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	QPSK	23.96	23.86	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	QPSK	24.39	24.29	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	QPSK	24.33	24.23	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	QPSK	24.43	24.33	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	QPSK	24.34	24.24	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	QPSK	24.32	24.22	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	QPSK	24.23	24.13	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	QPSK	24.69	24.59	33.00	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_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	QPSK	24.41	24.31	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	QPSK	23.97	23.87	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	QPSK	24.62	24.52	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	QPSK	24.18	24.08	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	QPSK	23.88	23.78	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	16QAM	23.55	23.45	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	16QAM	23.42	23.32	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	16QAM	22.70	22.60	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	16QAM	23.85	23.75	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	16QAM	23.02	22.92	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	16QAM	23.21	23.11	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	16QAM	24.03	23.93	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	16QAM	23.06	22.96	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	16QAM	23.45	23.35	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	16QAM	23.94	23.84	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	16QAM	22.96	22.86	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	16QAM	23.48	23.38	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	16QAM	23.59	23.49	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	16QAM	23.31	23.21	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	16QAM	22.46	22.36	33.00	PASS
CA_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	16QAM	23.55	23.45	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	16QAM	22.86	22.76	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	16QAM	23.07	22.97	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	16QAM	23.76	23.66	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	16QAM	22.79	22.69	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	16QAM	23.24	23.14	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	16QAM	24.08	23.98	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	16QAM	23.03	22.93	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	16QAM	23.47	23.37	33.00	PASS
CA_41C	100RB+25RB	40240+40357	1RB#0	0RB#0	64QAM	22.39	22.29	33.00	PASS
CA_41C	100RB+25RB	40240+40357	18RB#0	0RB#0	64QAM	22.05	21.95	33.00	PASS
CA_41C	100RB+25RB	40665+40782	1RB#0	0RB#0	64QAM	21.42	21.32	33.00	PASS
CA_41C	100RB+25RB	40665+40782	18RB#0	0RB#0	64QAM	22.42	22.32	33.00	PASS
CA_41C	100RB+25RB	41098+41215	1RB#0	0RB#0	64QAM	21.64	21.54	33.00	PASS
CA_41C	100RB+25RB	41098+41215	18RB#0	0RB#0	64QAM	21.77	21.67	33.00	PASS
CA_41C	25RB+100RB	40357+40240	1RB#0	0RB#0	64QAM	22.67	22.57	33.00	PASS
CA_41C	25RB+100RB	40357+40240	8RB#0	0RB#0	64QAM	21.57	21.47	33.00	PASS
CA_41C	25RB+100RB	40782+40665	1RB#0	0RB#0	64QAM	22.01	21.91	33.00	PASS
CA_41C	25RB+100RB	40782+40665	8RB#0	0RB#0	64QAM	22.52	22.42	33.00	PASS
CA_41C	25RB+100RB	41215+41098	1RB#0	0RB#0	64QAM	21.79	21.69	33.00	PASS
CA_41C	25RB+100RB	41215+41098	8RB#0	0RB#0	64QAM	22.10	22.00	33.00	PASS
CA_41C	100RB+100RB	40240+40438	1RB#0	0RB#0	64QAM	22.62	22.52	33.00	PASS
CA_41C	100RB+100RB	40240+40438	18RB#0	0RB#0	64QAM	22.10	22.00	33.00	PASS
CA_41C	100RB+100RB	40591+40789	1RB#0	0RB#0	64QAM	21.25	21.15	33.00	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-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_41C	100RB+100RB	40591+40789	18RB#0	0RB#0	64QAM	22.59	22.49	33.00	PASS
CA_41C	100RB+100RB	40942+41140	1RB#0	0RB#0	64QAM	21.62	21.52	33.00	PASS
CA_41C	100RB+100RB	40942+41140	18RB#0	0RB#0	64QAM	21.80	21.70	33.00	PASS
CA_41C	100RB+100RB	40438+40240	1RB#0	0RB#0	64QAM	22.84	22.74	33.00	PASS
CA_41C	100RB+100RB	40438+40240	18RB#0	0RB#0	64QAM	21.77	21.67	33.00	PASS
CA_41C	100RB+100RB	40789+40591	1RB#0	0RB#0	64QAM	22.05	21.95	33.00	PASS
CA_41C	100RB+100RB	40789+40591	18RB#0	0RB#0	64QAM	22.54	22.44	33.00	PASS
CA_41C	100RB+100RB	41140+40942	1RB#0	0RB#0	64QAM	21.84	21.74	33.00	PASS
CA_41C	100RB+100RB	41140+40942	18RB#0	0RB#0	64QAM	22.17	22.07	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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



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_41C	QPSK	100RB+100RB	40240+40438	100RB#0	100RB#0	7.45	13.00	PASS
CA_41C	QPSK	100RB+100RB	40591+40789	100RB#0	100RB#0	6.96	13.00	PASS
CA_41C	QPSK	100RB+100RB	40942+41140	100RB#0	100RB#0	6.78	13.00	PASS
CA_41C	QPSK	100RB+100RB	40438+40240	100RB#0	100RB#0	7.45	13.00	PASS
CA_41C	QPSK	100RB+100RB	40789+40591	100RB#0	100RB#0	8.38	13.00	PASS
CA_41C	QPSK	100RB+100RB	41140+40942	100RB#0	100RB#0	6.84	13.00	PASS
CA_41C	16QAM	100RB+100RB	40240+40438	100RB#0	100RB#0	8.17	13.00	PASS
CA_41C	16QAM	100RB+100RB	40591+40789	100RB#0	100RB#0	7.42	13.00	PASS
CA_41C	16QAM	100RB+100RB	40942+41140	100RB#0	100RB#0	7.97	13.00	PASS
CA_41C	16QAM	100RB+100RB	40438+40240	100RB#0	100RB#0	8.14	13.00	PASS
CA_41C	16QAM	100RB+100RB	40789+40591	100RB#0	100RB#0	8.26	13.00	PASS
CA_41C	16QAM	100RB+100RB	41140+40942	100RB#0	100RB#0	7.80	13.00	PASS
CA_41C	64QAM	100RB+100RB	40240+40438	100RB#0	100RB#0	7.91	13.00	PASS
CA_41C	64QAM	100RB+100RB	40591+40789	100RB#0	100RB#0	7.13	13.00	PASS
CA_41C	64QAM	100RB+100RB	40942+41140	100RB#0	100RB#0	8.99	13.00	PASS
CA_41C	64QAM	100RB+100RB	40438+40240	100RB#0	100RB#0	8.26	13.00	PASS
CA_41C	64QAM	100RB+100RB	40789+40591	100RB#0	100RB#0	7.83	13.00	PASS
CA_41C	64QAM	100RB+100RB	41140+40942	100RB#0	100RB#0	8.12	13.00	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.

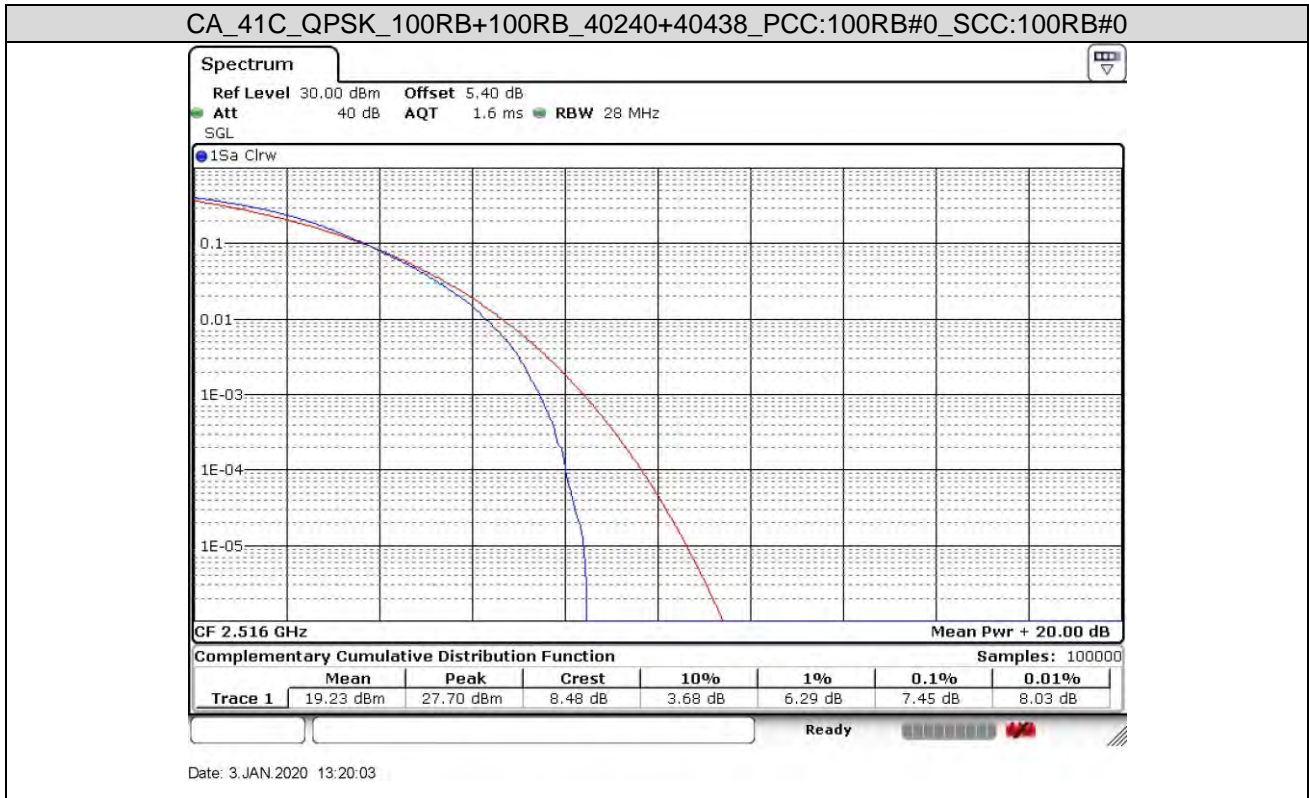
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



Part II - Test Plots

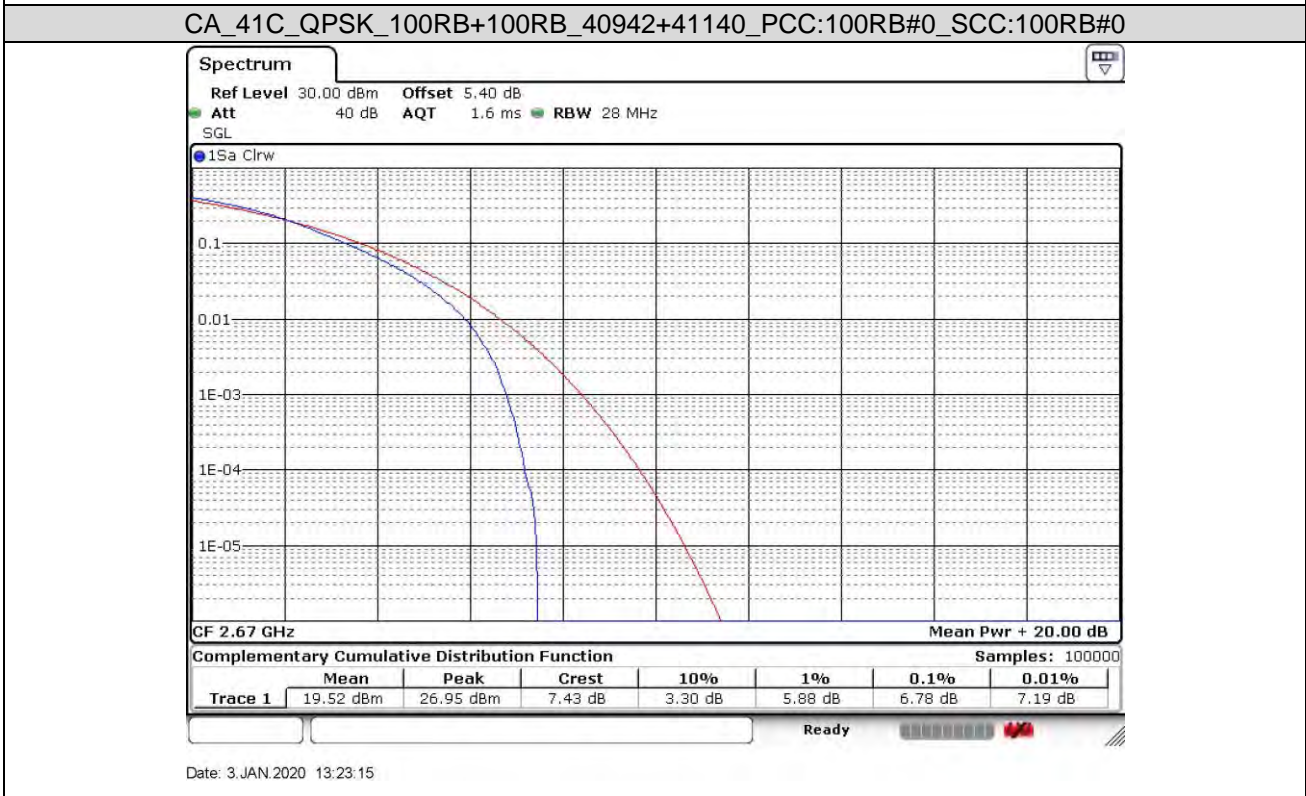
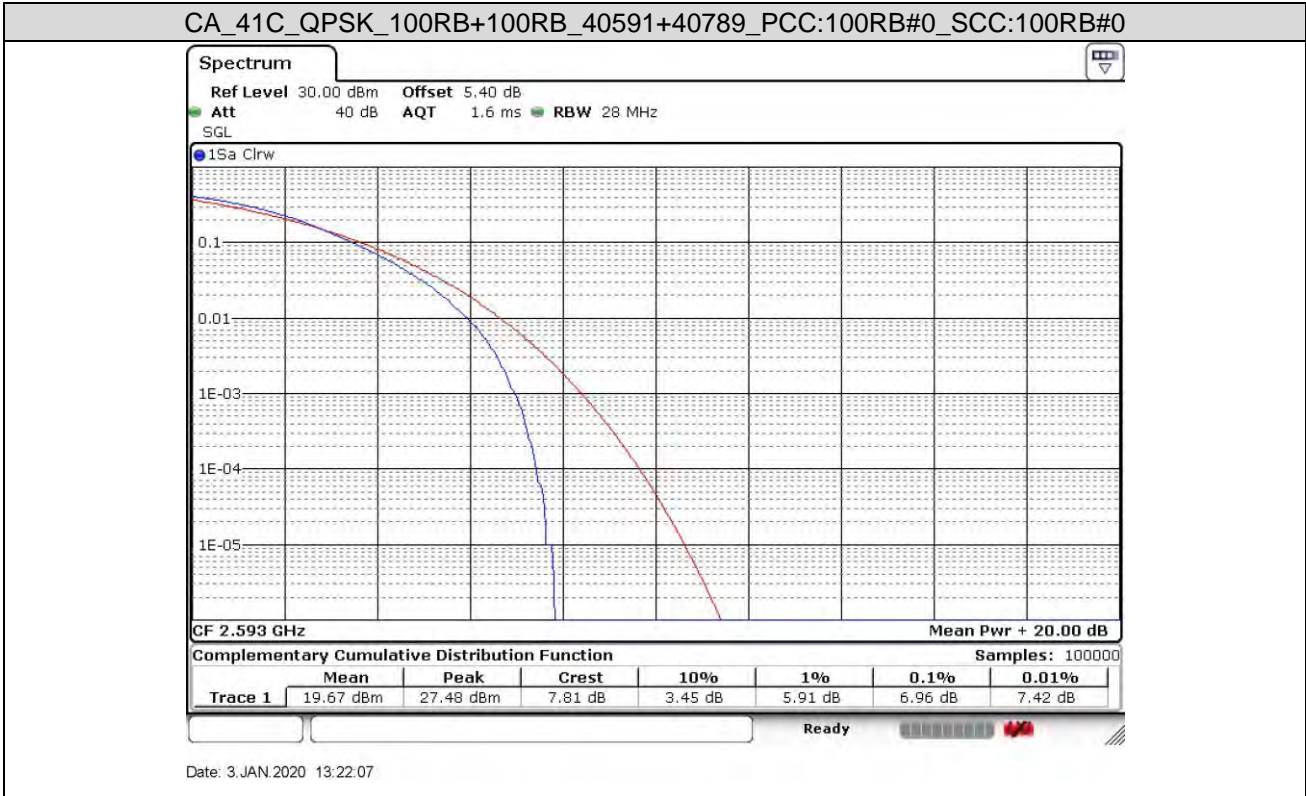
2.1 For LTE

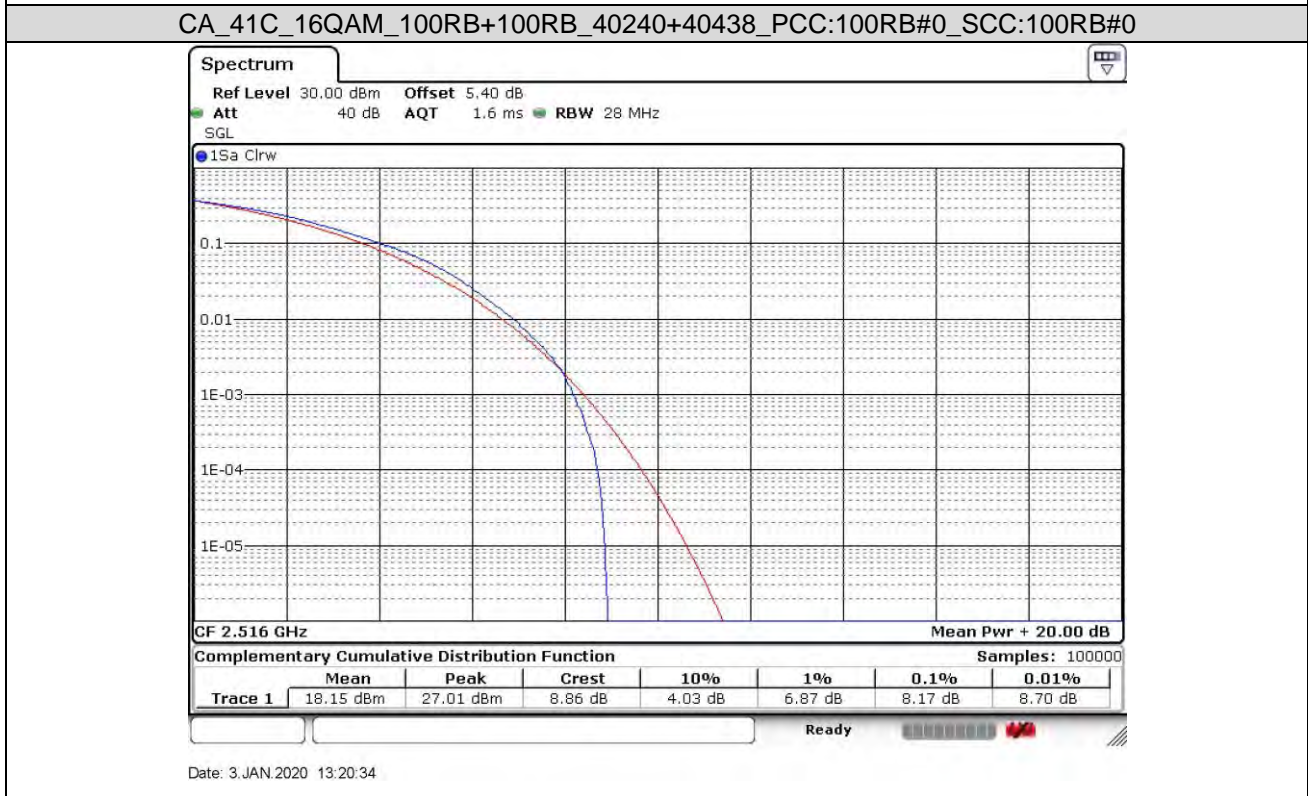
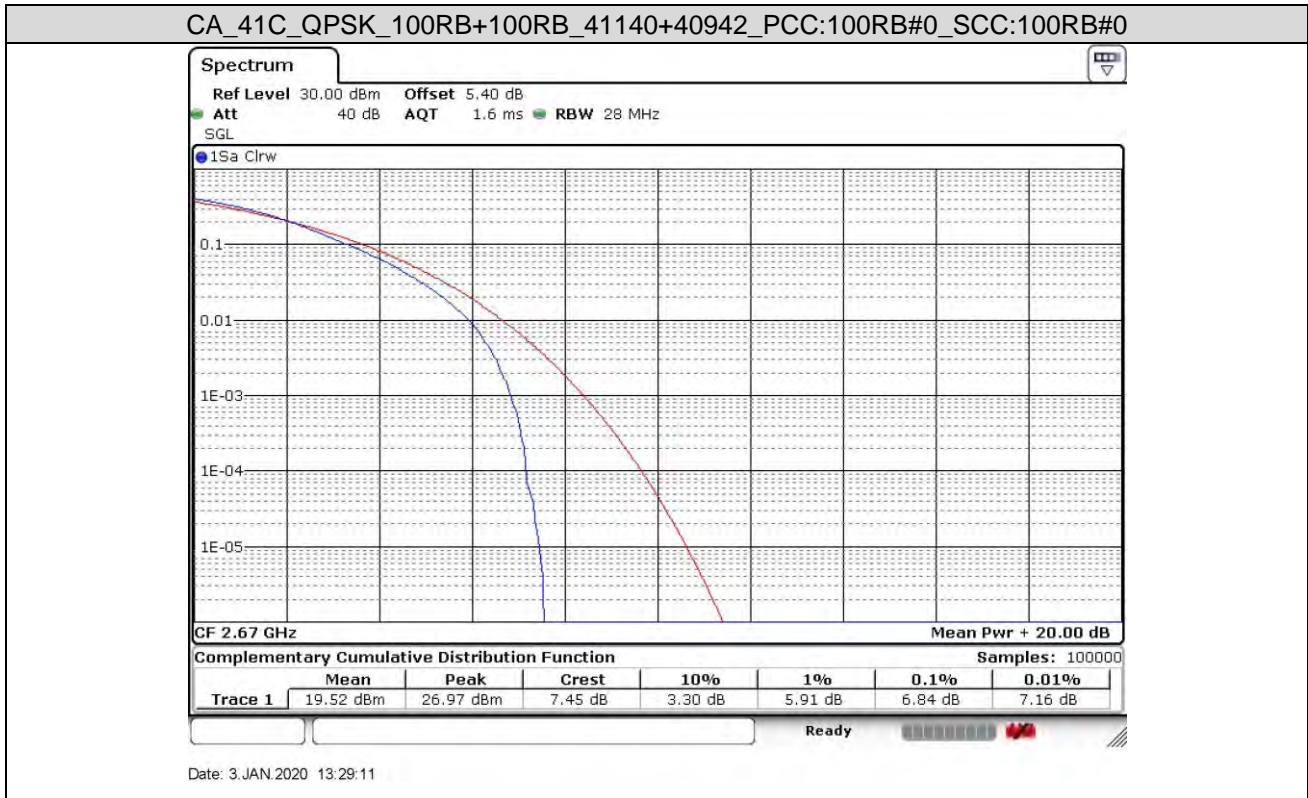
2.1.1 Test Band = LTE Band CA_41C



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





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.

CA_41C_16QAM_100RB+100RB_41140+40942_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN. 2020 13:29:37

CA_41C_64QAM_100RB+100RB_40240+40438_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN. 2020 13:20:56



CA_41C_64QAM_100RB+100RB_40591+40789_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN.2020 13:22:43

CA_41C_64QAM_100RB+100RB_40942+41140_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN.2020 13:24:08



CA_41C_64QAM_100RB+100RB_40438+40240_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN.2020 13:25:48

CA_41C_64QAM_100RB+100RB_40789+40591_PCC:100RB#0_SCC:100RB#0



Date: 3. JAN.2020 13:27:32



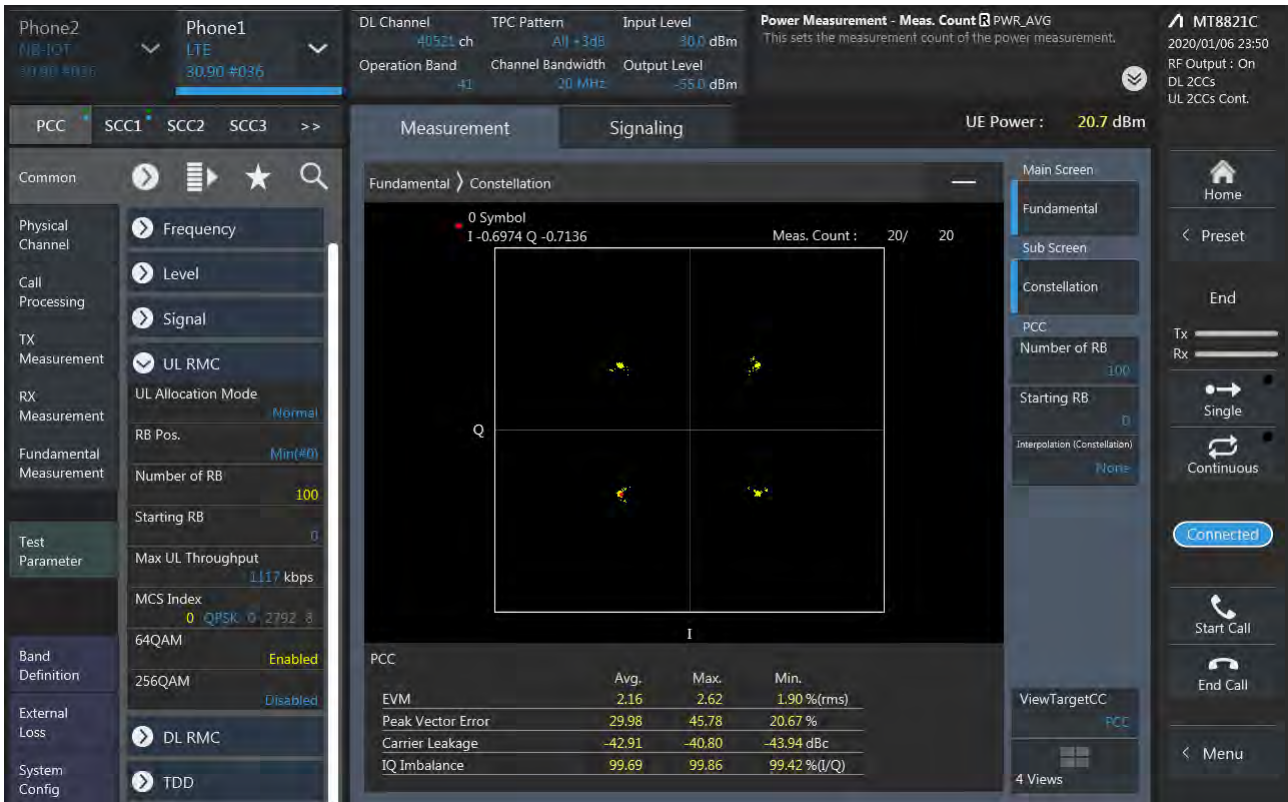
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE Band CA_41C

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

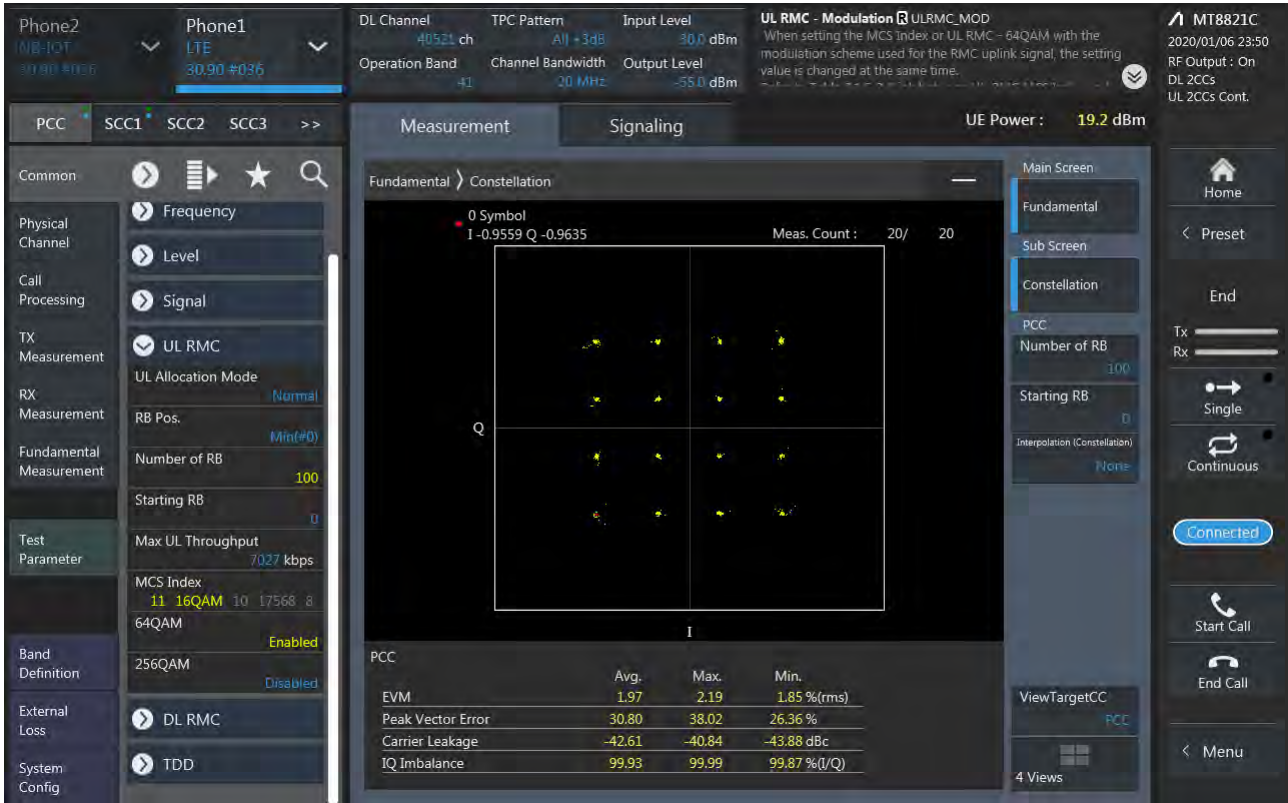
3.1.1.1.1 Test Channel = 40591+40789





3.1.1.2 Test Mode = LTE /16QAM 100RB+100RB

3.1.1.2.1 Test Channel = 40591+40789

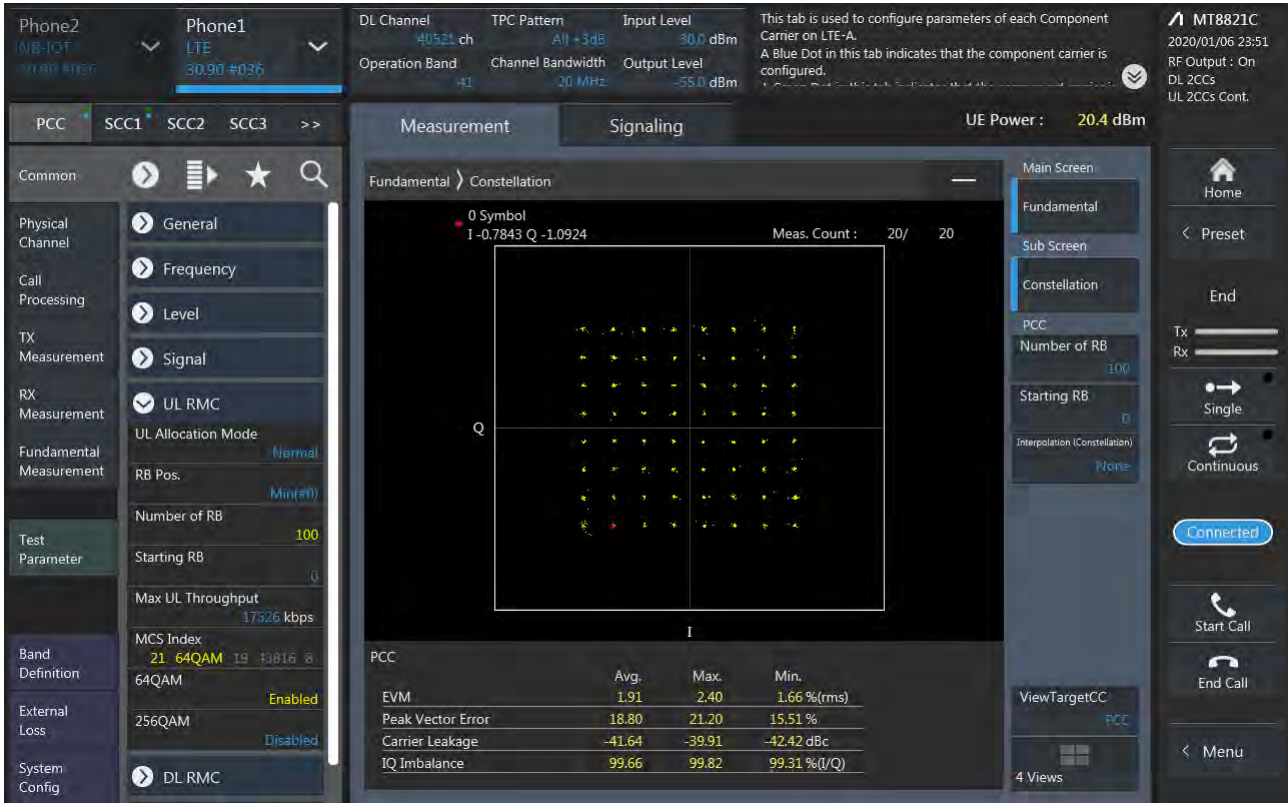


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



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

3.1.1.3.1 Test Channel = 40591+40789



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



4 26dB Bandwidth and Occupied Bandwidth

Test Band	Modulation PCC&SCC	Test Mode PCC/SCC	Test Channel PCC/SCC	PCC RB	SCC RB	OBW [MHz]	EBW [MHz]	Verdict
CA_41C	QPSK	25RB+100RB	39683+39800	25RB#0	100RB#0	22.73	23.56	PASS
CA_41C	QPSK	25RB+100RB	40528+40645	25RB#0	100RB#0	22.74	23.54	PASS
CA_41C	QPSK	25RB+100RB	41373+41490	25RB#0	100RB#0	22.77	23.55	PASS
CA_41C	QPSK	25RB+100RB	39800+39683	25RB#0	100RB#0	22.79	23.60	PASS
CA_41C	QPSK	25RB+100RB	40645+40528	25RB#0	100RB#0	22.78	23.63	PASS
CA_41C	QPSK	25RB+100RB	41490+41373	25RB#0	100RB#0	22.78	23.61	PASS
CA_41C	16QAM	25RB+100RB	39683+39800	25RB#0	100RB#0	22.74	23.55	PASS
CA_41C	16QAM	25RB+100RB	40528+40645	25RB#0	100RB#0	22.74	23.54	PASS
CA_41C	16QAM	25RB+100RB	41373+41490	25RB#0	100RB#0	22.77	23.54	PASS
CA_41C	16QAM	25RB+100RB	39800+39683	25RB#0	100RB#0	22.77	23.60	PASS
CA_41C	16QAM	25RB+100RB	40645+40528	25RB#0	100RB#0	22.78	23.59	PASS
CA_41C	16QAM	25RB+100RB	41490+41373	25RB#0	100RB#0	22.77	23.59	PASS
CA_41C	64QAM	25RB+100RB	39683+39800	25RB#0	100RB#0	22.75	23.54	PASS
CA_41C	64QAM	25RB+100RB	40528+40645	25RB#0	100RB#0	22.75	23.57	PASS
CA_41C	64QAM	25RB+100RB	41373+41490	25RB#0	100RB#0	22.78	23.58	PASS
CA_41C	64QAM	25RB+100RB	39800+39683	25RB#0	100RB#0	22.78	23.62	PASS
CA_41C	64QAM	25RB+100RB	40645+40528	25RB#0	100RB#0	22.78	23.63	PASS
CA_41C	64QAM	25RB+100RB	41490+41373	25RB#0	100RB#0	22.78	23.61	PASS
CA_41C	QPSK	100RB+25RB	39750+39867	100RB#0	25RB#0	22.91	24.04	PASS
CA_41C	QPSK	100RB+25RB	40595+40712	100RB#0	25RB#0	22.90	24.07	PASS
CA_41C	QPSK	100RB+25RB	41440+41557	100RB#0	25RB#0	22.91	24.07	PASS
CA_41C	QPSK	100RB+25RB	39867+39750	100RB#0	25RB#0	22.89	24.05	PASS
CA_41C	QPSK	100RB+25RB	40712+40595	100RB#0	25RB#0	22.89	24.04	PASS
CA_41C	QPSK	100RB+25RB	41557+41440	100RB#0	25RB#0	22.89	23.95	PASS
CA_41C	16QAM	100RB+25RB	39750+39867	100RB#0	25RB#0	22.91	24.04	PASS
CA_41C	16QAM	100RB+25RB	40595+40712	100RB#0	25RB#0	22.91	24.04	PASS
CA_41C	16QAM	100RB+25RB	41440+41557	100RB#0	25RB#0	22.93	24.07	PASS
CA_41C	16QAM	100RB+25RB	39867+39750	100RB#0	25RB#0	22.89	24.04	PASS
CA_41C	16QAM	100RB+25RB	40712+40595	100RB#0	25RB#0	22.87	24.05	PASS
CA_41C	16QAM	100RB+25RB	41557+41440	100RB#0	25RB#0	22.87	23.92	PASS
CA_41C	64QAM	100RB+25RB	39750+39867	100RB#0	25RB#0	22.91	24.04	PASS
CA_41C	64QAM	100RB+25RB	40595+40712	100RB#0	25RB#0	22.90	24.04	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



Test Band	Modulation PCC&SCC	Test Mode PCC/SCC	Test Channel PCC/SCC	PCC RB	SCC RB	OBW [MHz]	EBW [MHz]	Verdict
CA_41C	64QAM	100RB+25RB	41440+41557	100RB#0	25RB#0	22.93	24.11	PASS
CA_41C	64QAM	100RB+25RB	39867+39750	100RB#0	25RB#0	22.90	24.07	PASS
CA_41C	64QAM	100RB+25RB	40712+40595	100RB#0	25RB#0	22.90	24.04	PASS
CA_41C	64QAM	100RB+25RB	41557+41440	100RB#0	25RB#0	22.89	23.99	PASS
CA_41C	QPSK	100RB+100RB	39750+39948	100RB#0	100RB#0	37.45	38.92	PASS
CA_41C	QPSK	100RB+100RB	40521+40719	100RB#0	100RB#0	37.39	38.90	PASS
CA_41C	QPSK	100RB+100RB	41292+41490	100RB#0	100RB#0	37.53	38.94	PASS
CA_41C	QPSK	100RB+100RB	39948+39750	100RB#0	100RB#0	37.47	38.88	PASS
CA_41C	QPSK	100RB+100RB	40719+40521	100RB#0	100RB#0	37.41	38.92	PASS
CA_41C	QPSK	100RB+100RB	41490+41292	100RB#0	100RB#0	37.49	38.84	PASS
CA_41C	16QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	37.47	38.92	PASS
CA_41C	16QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	37.43	38.94	PASS
CA_41C	16QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	37.39	38.84	PASS
CA_41C	16QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	37.43	38.94	PASS
CA_41C	16QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	37.41	38.88	PASS
CA_41C	16QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	37.51	38.84	PASS
CA_41C	64QAM	100RB+100RB	39750+39948	100RB#0	100RB#0	37.45	38.94	PASS
CA_41C	64QAM	100RB+100RB	40521+40719	100RB#0	100RB#0	37.41	38.92	PASS
CA_41C	64QAM	100RB+100RB	41292+41490	100RB#0	100RB#0	37.29	38.94	PASS
CA_41C	64QAM	100RB+100RB	39948+39750	100RB#0	100RB#0	37.45	38.90	PASS
CA_41C	64QAM	100RB+100RB	40719+40521	100RB#0	100RB#0	37.41	38.84	PASS
CA_41C	64QAM	100RB+100RB	41490+41292	100RB#0	100RB#0	37.13	38.88	PASS



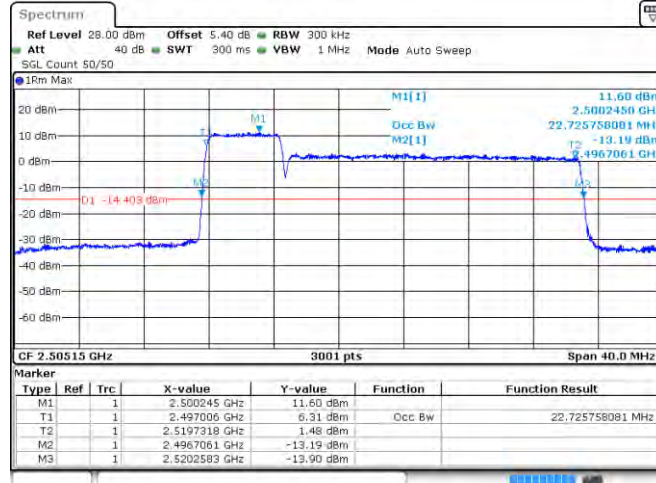
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

4.1 For LTE

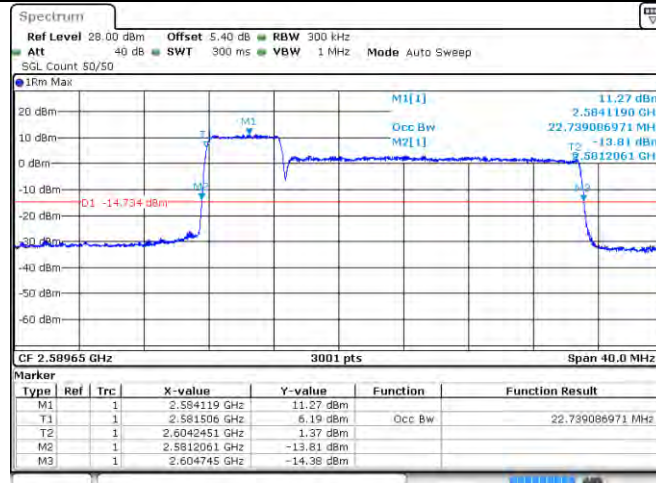
4.1.1 Test Band = LTE Band CA_41C

LTE Band CA_41C_25RB+100RB_QPSK_39683+39800_25RB#0+100RB#0



Date: 2.JAN.2020 10:16:14

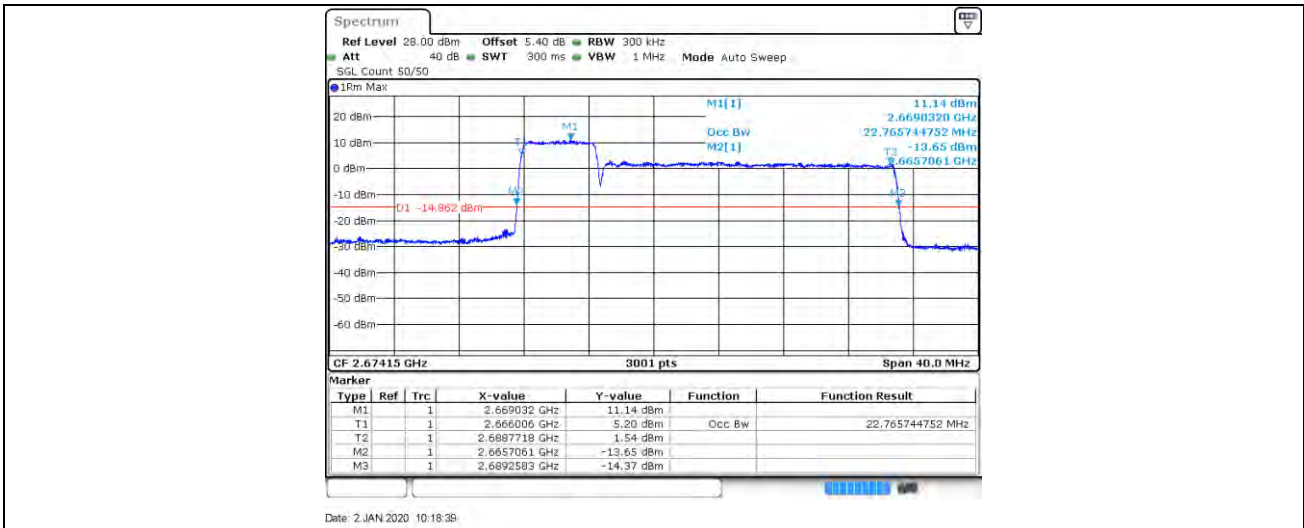
LTE Band CA_41C_25RB+100RB_QPSK_40528+40645_25RB#0+100RB#0



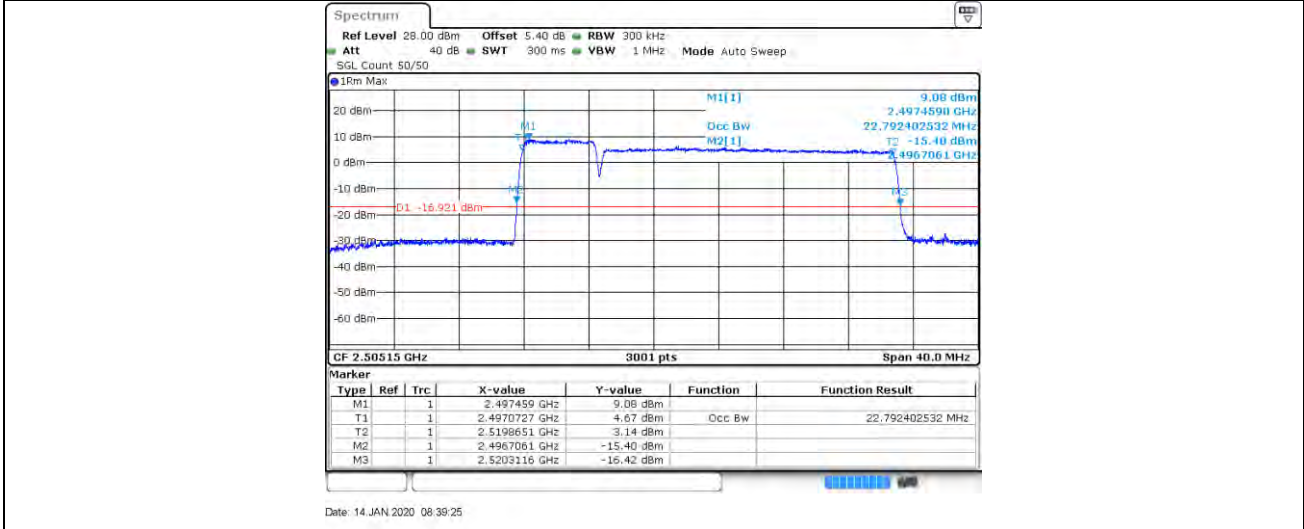
Date: 2.JAN.2020 10:17:26

LTE Band CA_41C_25RB+100RB_QPSK_41373+41490_25RB#0+100RB#0



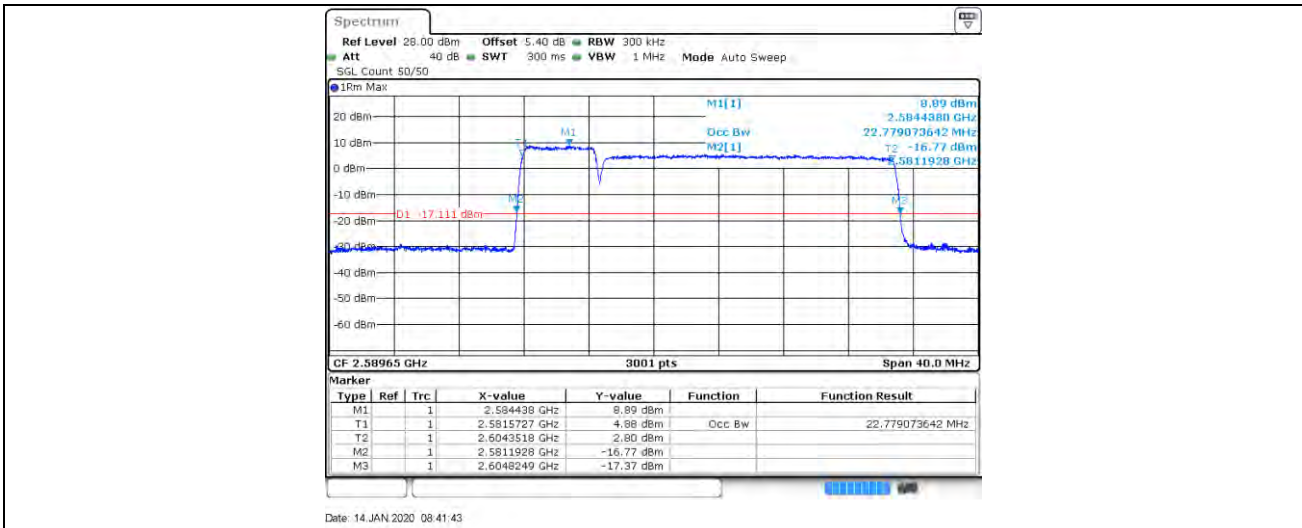


LTE Band CA_41C_25RB+100RB_QPSK_39800+39683_100RB#0+25RB#0



LTE Band CA_41C_25RB+100RB_QPSK_40645+40528_100RB#0+25RB#0



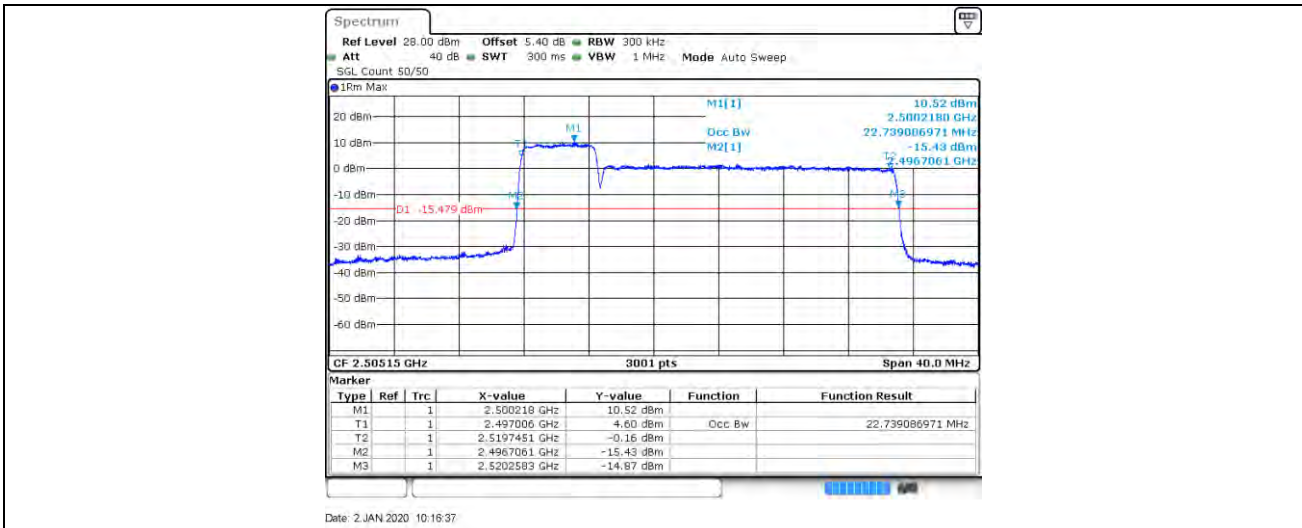


LTE Band CA_41C_25RB+100RB_QPSK_41490+41373_100RB#0+25RB#0



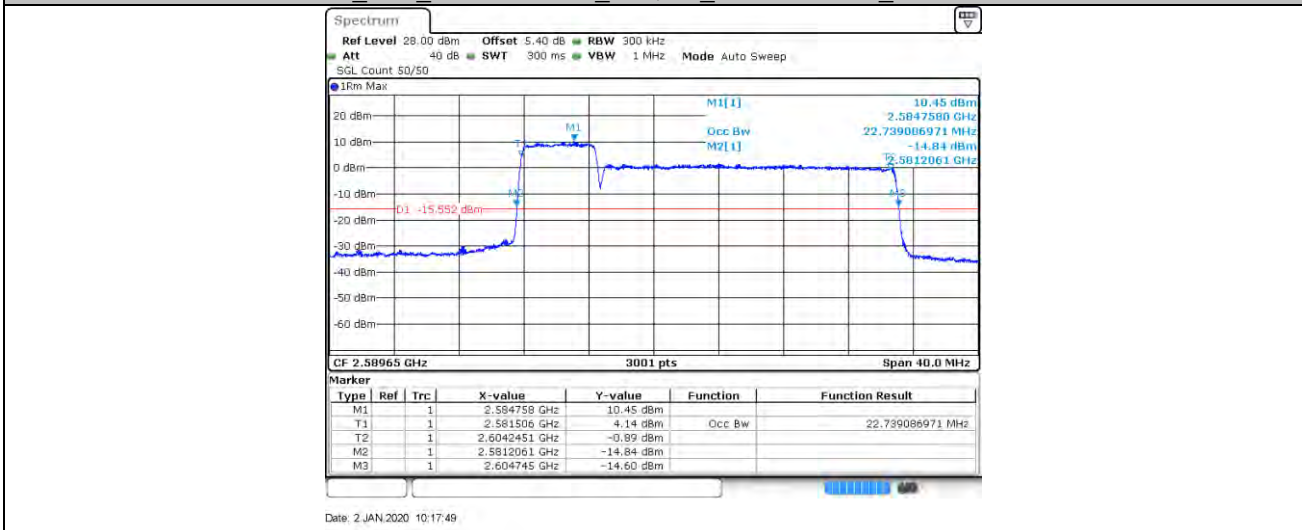
LTE Band CA_41C_25RB+100RB_16QAM_39683+39800_25RB#0+100RB#0





Date: 2.JAN.2020 10:16:37

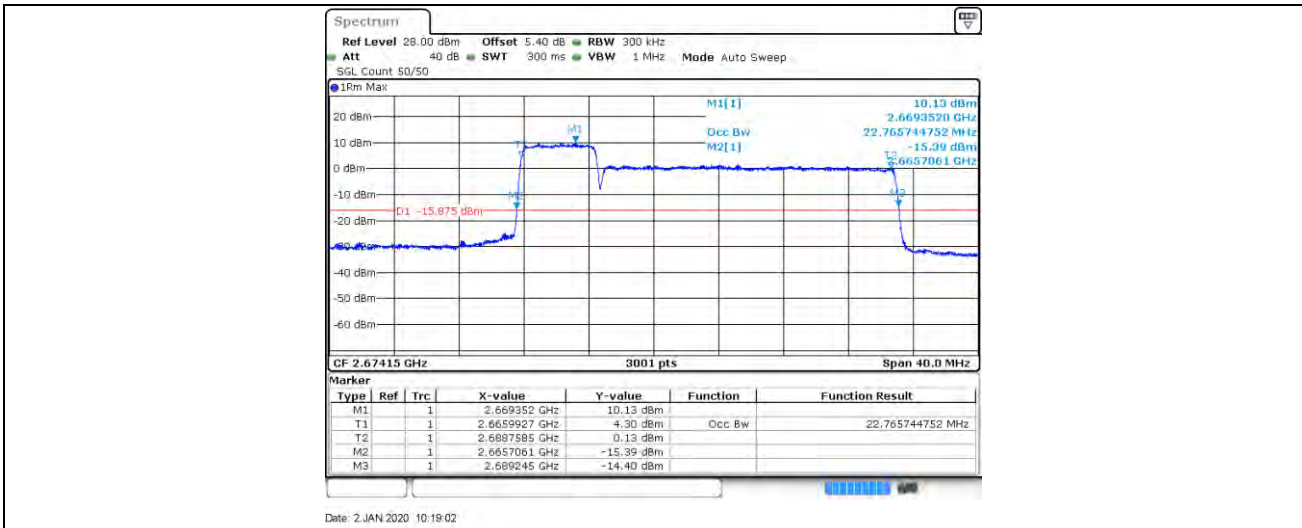
LTE Band CA_41C_25RB+100RB_16QAM_40528+40645_25RB#0+100RB#0



Date: 2.JAN.2020 10:17:49

LTE Band CA_41C_25RB+100RB_16QAM_41373+41490_25RB#0+100RB#0



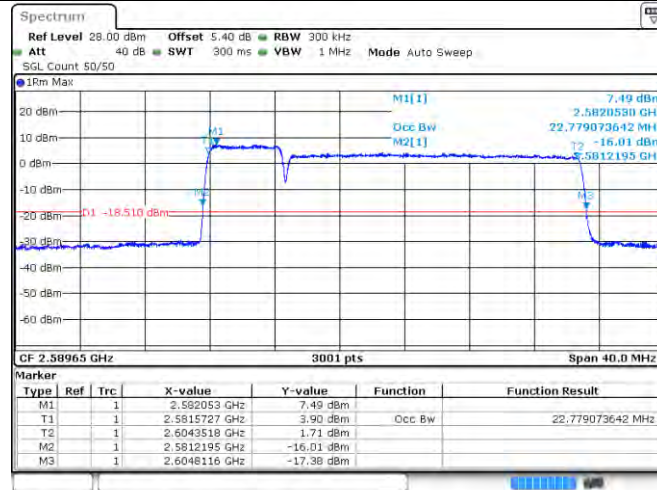


LTE Band CA_41C_25RB+100RB_16QAM_39800+39683_100RB#0+25RB#0



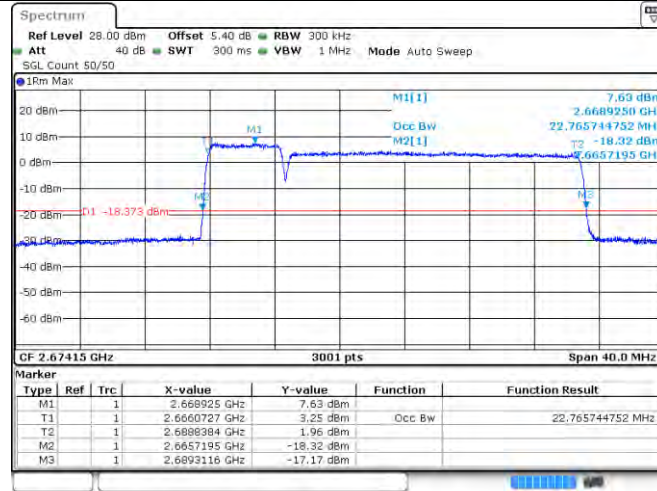
LTE Band CA_41C_25RB+100RB_16QAM_40645+40528_100RB#0+25RB#0





Date: 14 JAN 2020 08:42:05

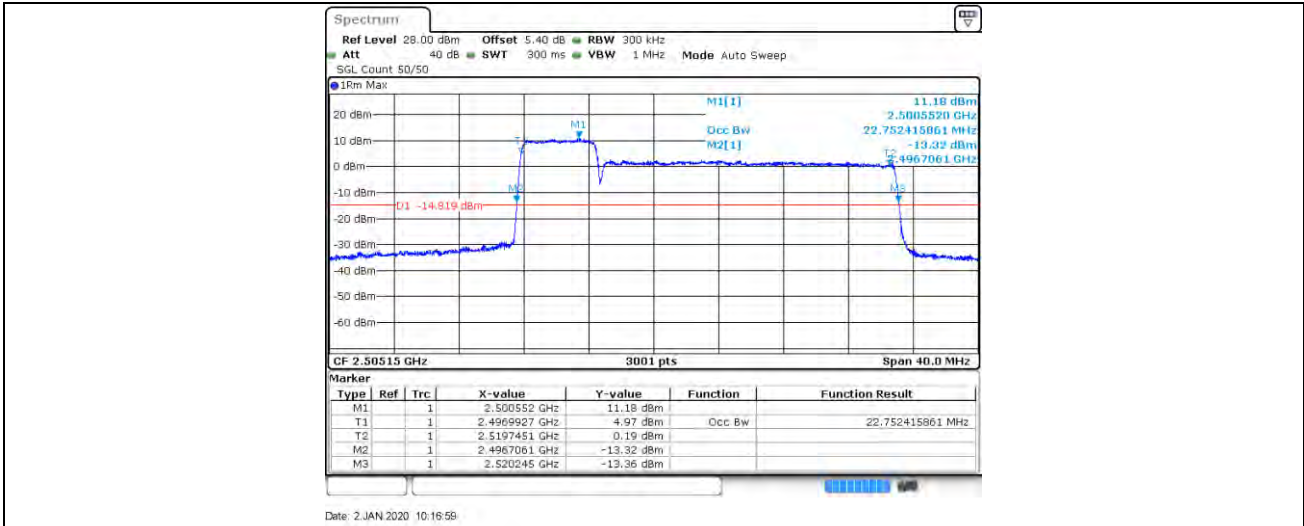
LTE Band CA_41C_25RB+100RB_16QAM_41490+41373_100RB#0+25RB#0



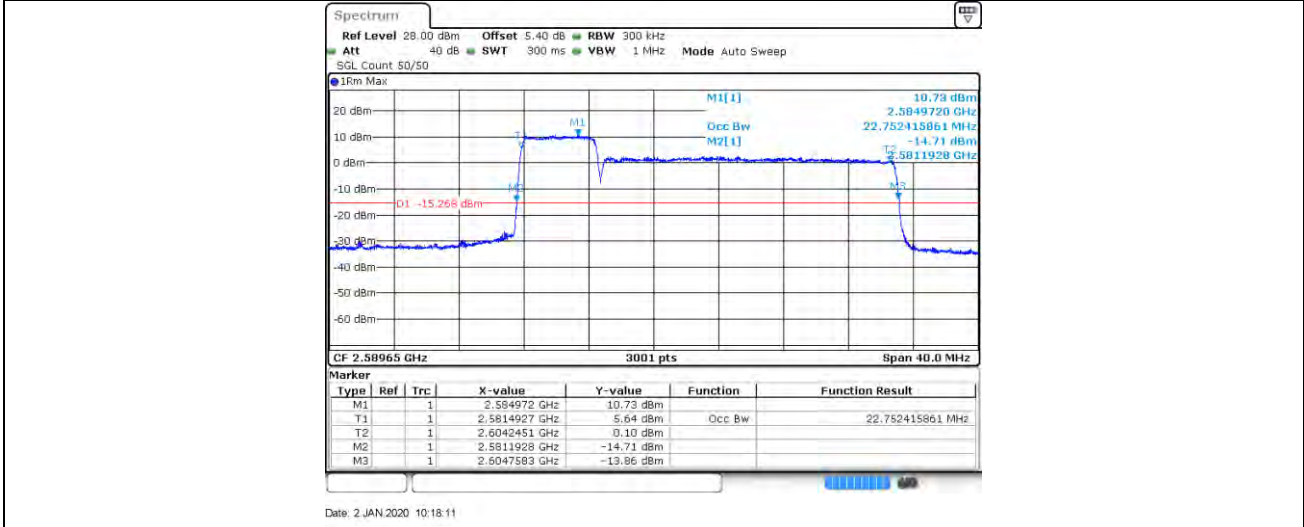
Date: 14 JAN 2020 08:43:54

LTE Band CA_41C_25RB+100RB_64QAM_39683+39800_25RB#0+100RB#0





LTE Band CA 41C_25RB+100RB_64QAM_40528+40645_25RB#0+100RB#0

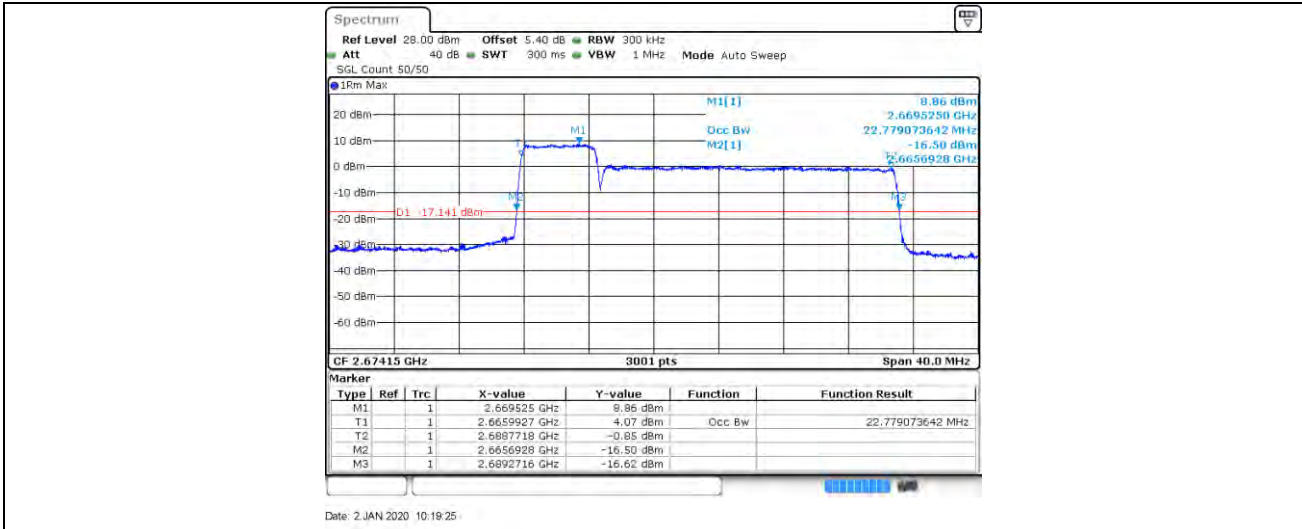


LTE Band CA 41C_25RB+100RB_64QAM_41373+41490_25RB#0+100RB#0



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

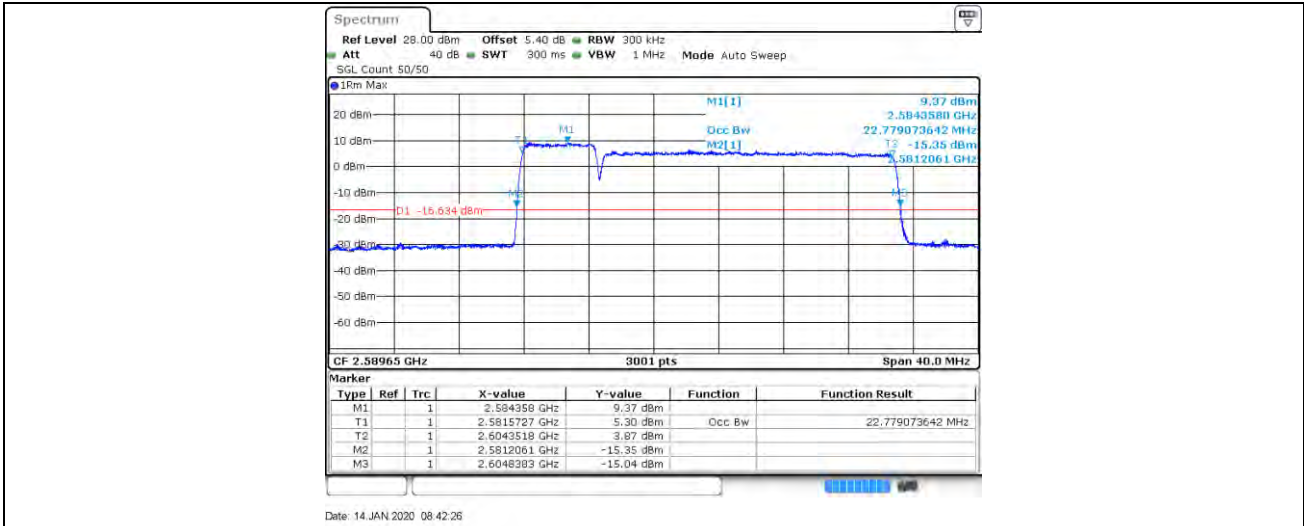


LTE Band CA 41C_25RB+100RB_64QAM_39800+39683_100RB#0+25RB#0



LTE Band CA 41C_25RB+100RB_64QAM_40645+40528_100RB#0+25RB#0



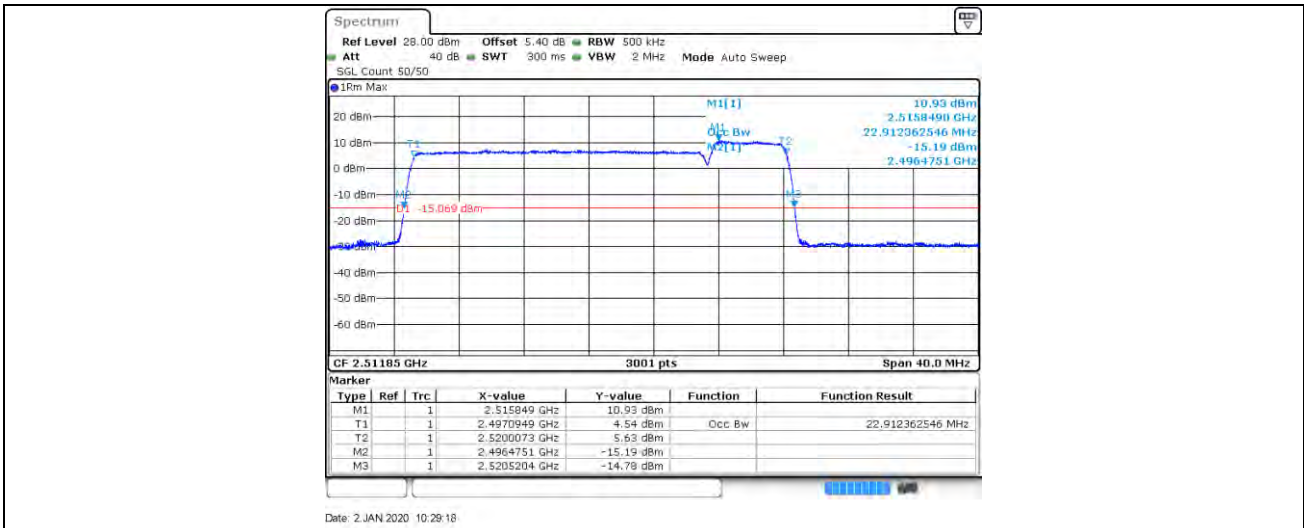


LTE Band CA_41C_25RB+100RB_64QAM_41490+41373_100RB#0+25RB#0

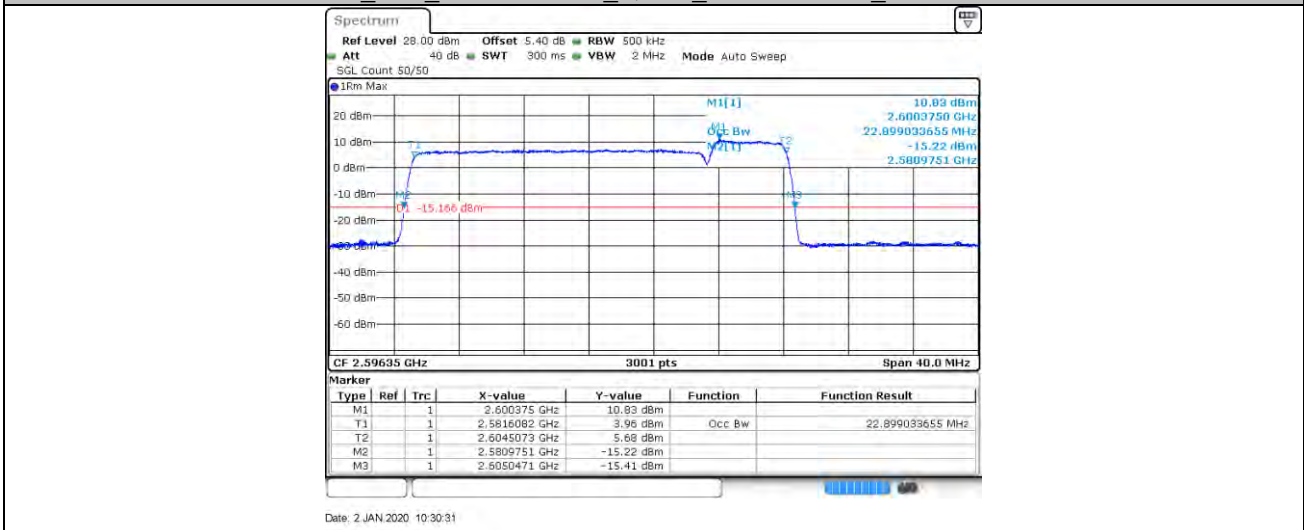


LTE Band CA_41C_100RB+25RB_QPSK_39750+39867_100RB#0+25RB#0



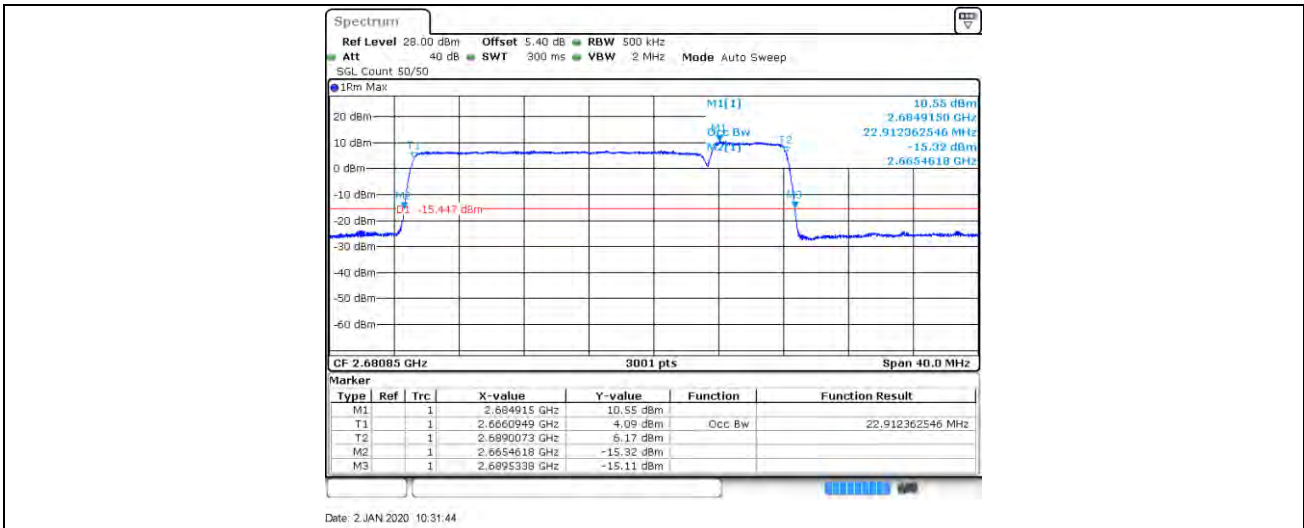


LTE Band CA_41C_100RB+25RB_QPSK_40595+40712_100RB#0+25RB#0

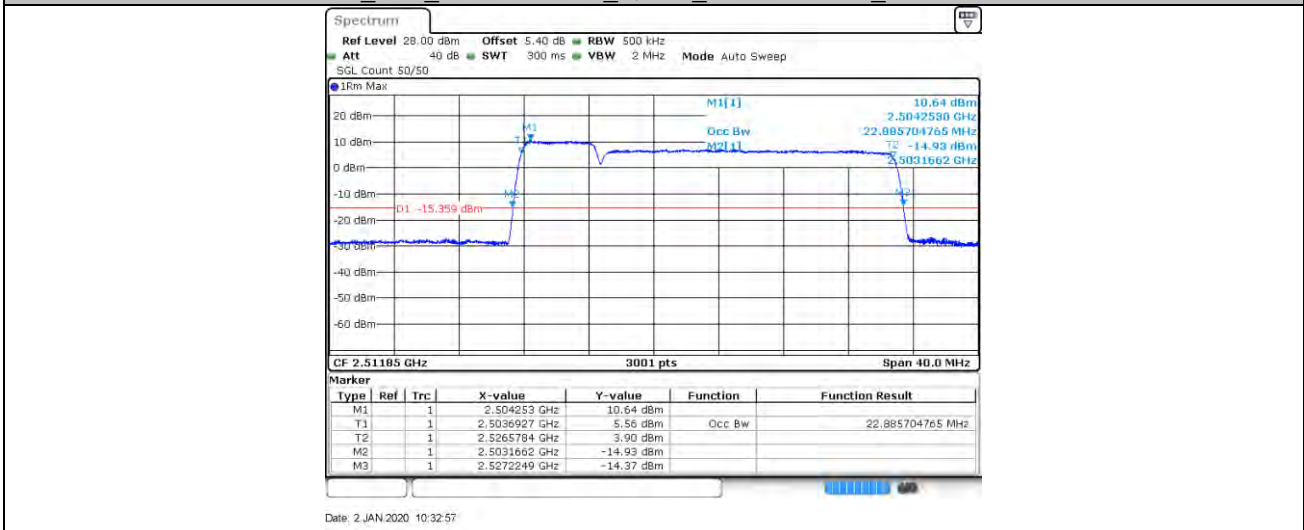


LTE Band CA_41C_100RB+25RB_QPSK_41440+41557_100RB#0+25RB#0





LTE Band CA_41C_100RB+25RB_QPSK_39867+39750_100RB#0+25RB#0

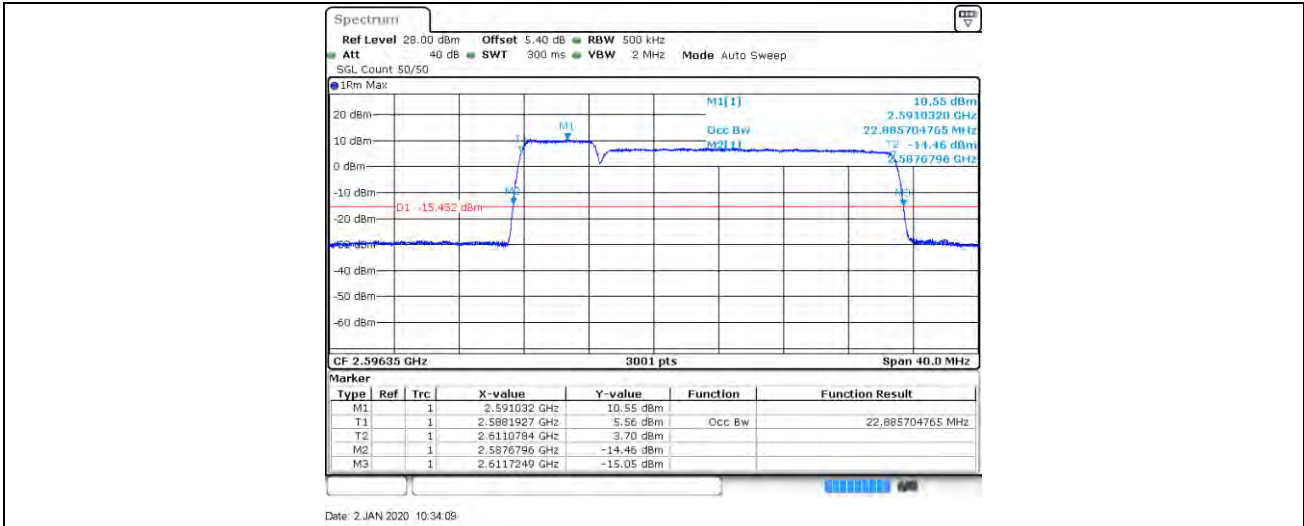


LTE Band CA_41C_100RB+25RB_QPSK_40712+40595_100RB#0+25RB#0

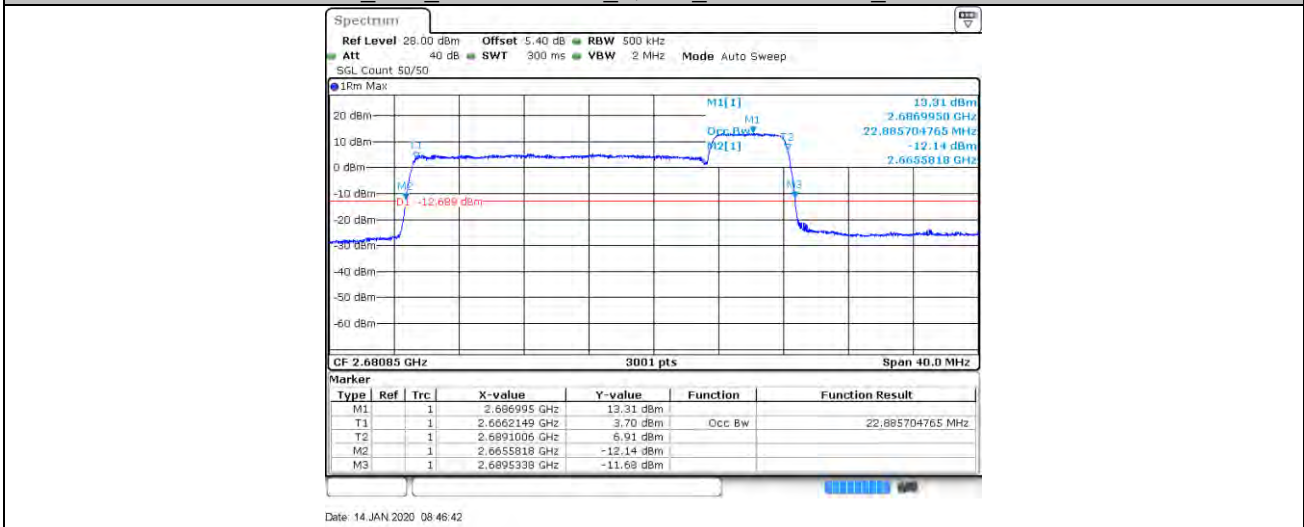


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

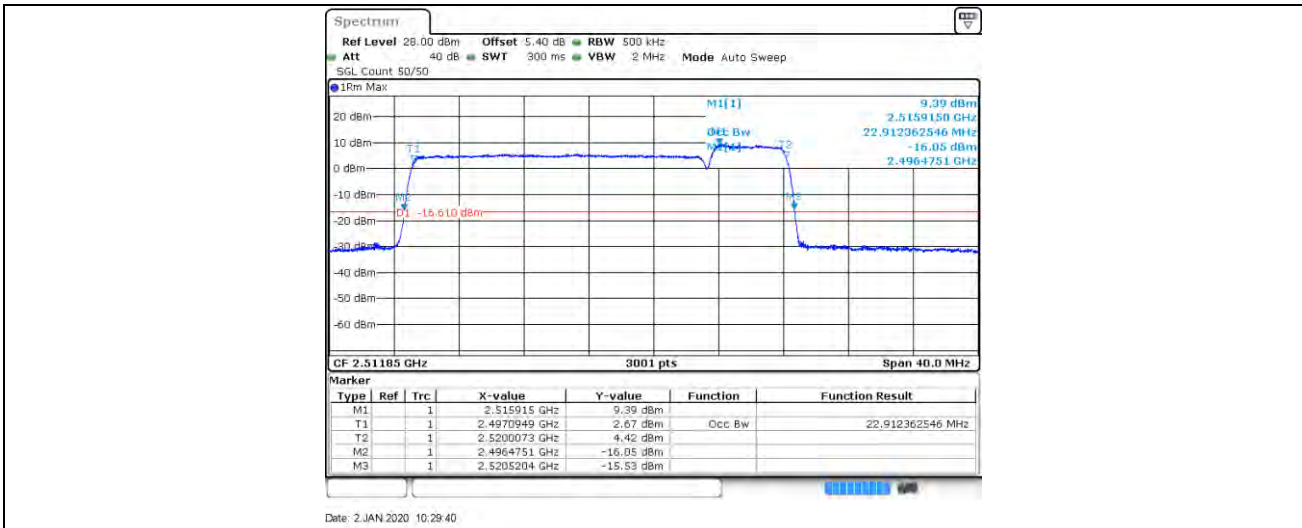


LTE Band CA_41C_100RB+25RB_QPSK_41557+41440_100RB#0+25RB#0



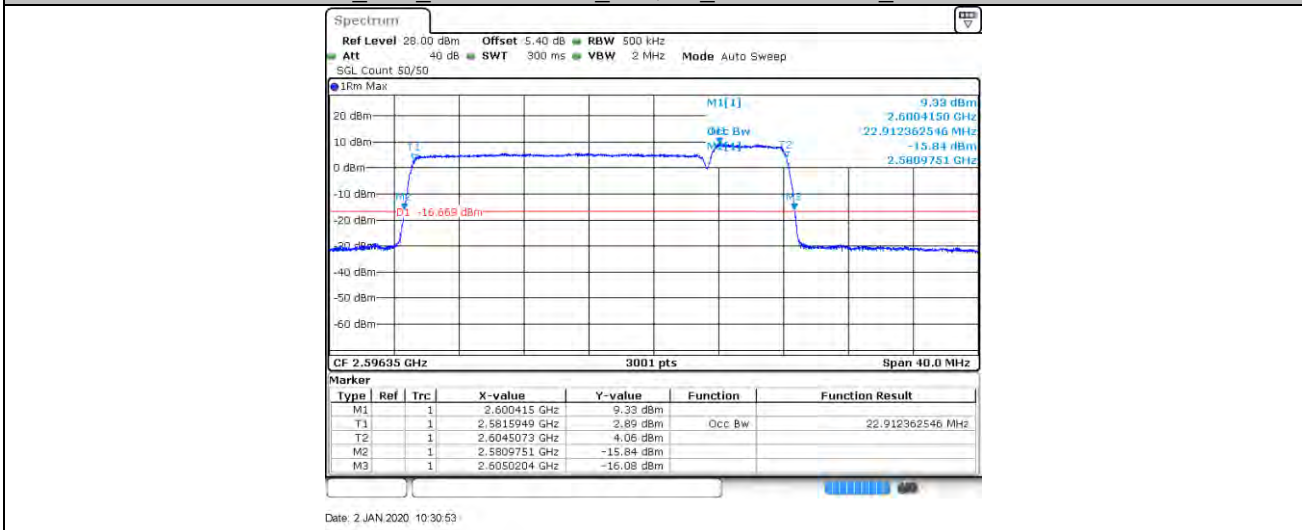
LTE Band CA_41C_100RB+25RB_16QAM_39750+39867_100RB#0+25RB#0





Date: 2.JAN 2020 10:29:40

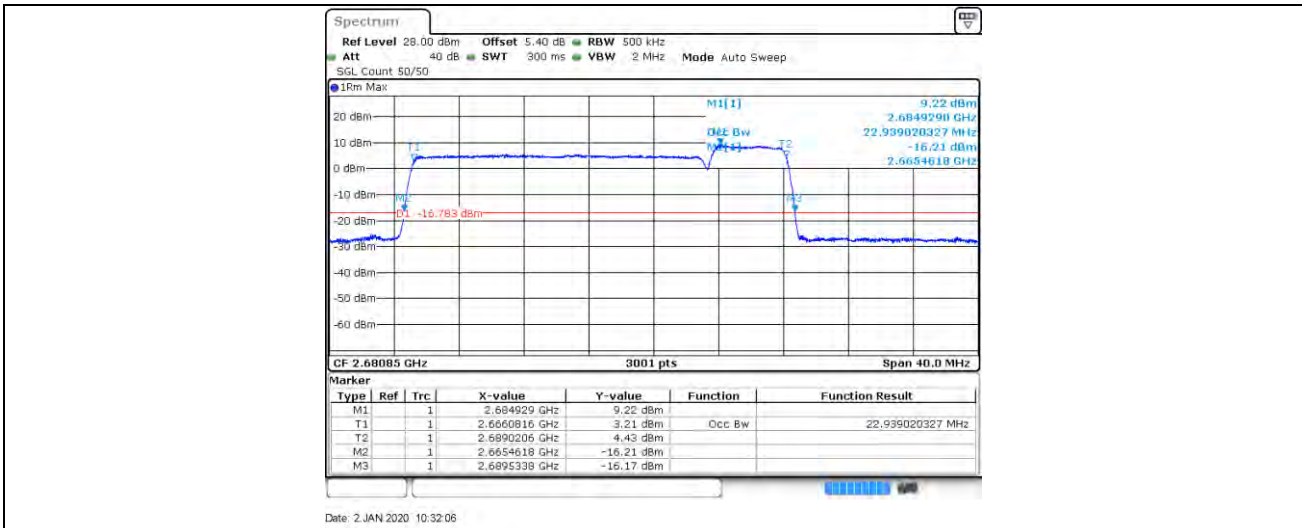
LTE Band CA_41C_100RB+25RB_16QAM_40595+40712_100RB#0+25RB#0



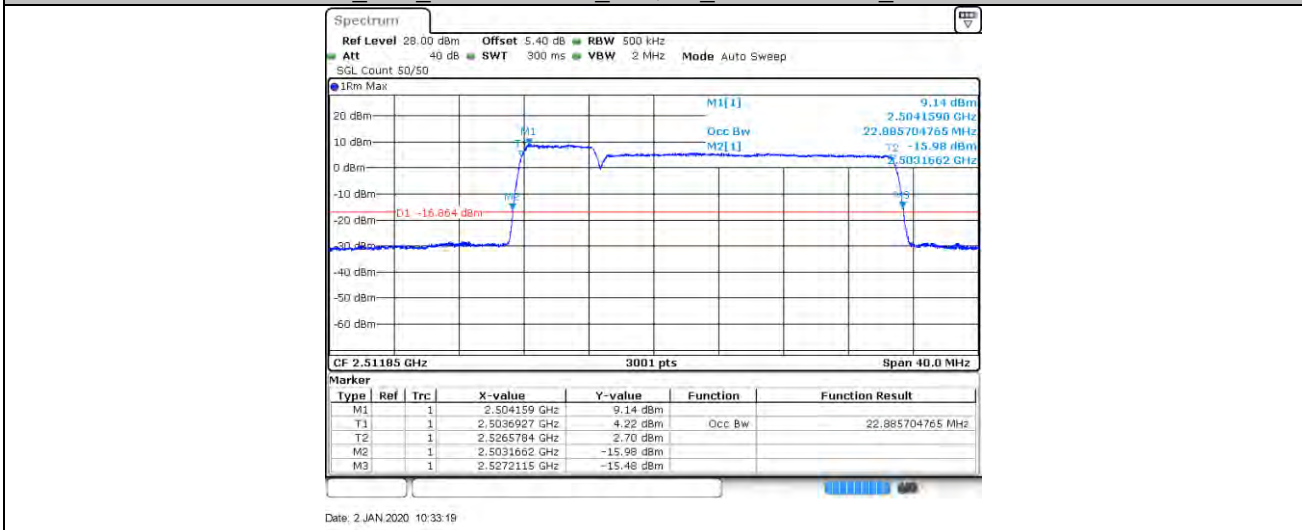
Date: 2.JAN 2020 10:30:53

LTE Band CA_41C_100RB+25RB_16QAM_41440+41557_100RB#0+25RB#0



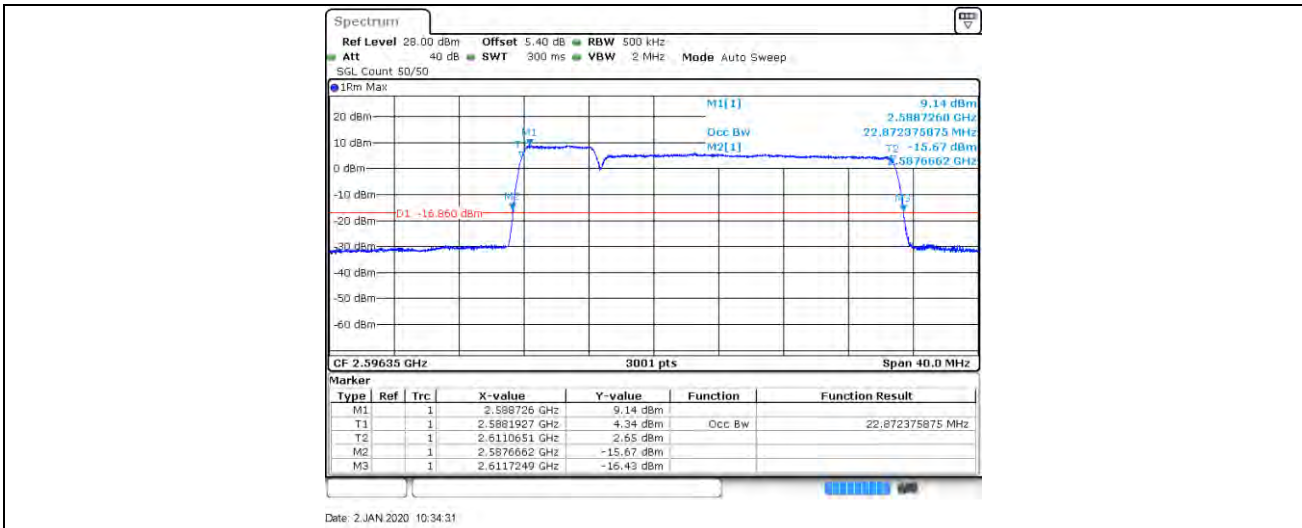


LTE Band CA_41C_100RB+25RB_16QAM_39867+39750_100RB#0+25RB#0



LTE Band CA_41C_100RB+25RB_16QAM_40712+40595_100RB#0+25RB#0



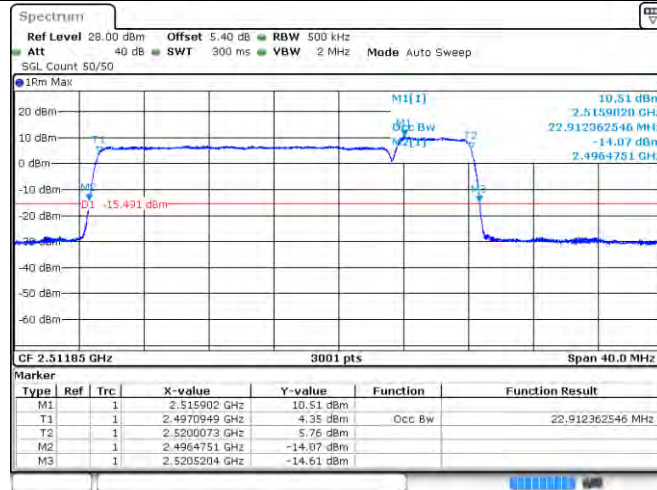


LTE Band CA_41C_100RB+25RB_16QAM_41557+41440_100RB#0+25RB#0



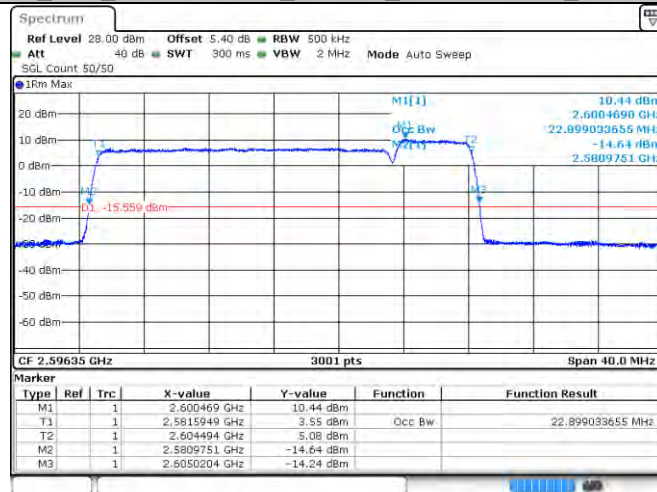
LTE Band CA_41C_100RB+25RB_64QAM_39750+39867_100RB#0+25RB#0





Date: 2.JAN 2020 10:30:04

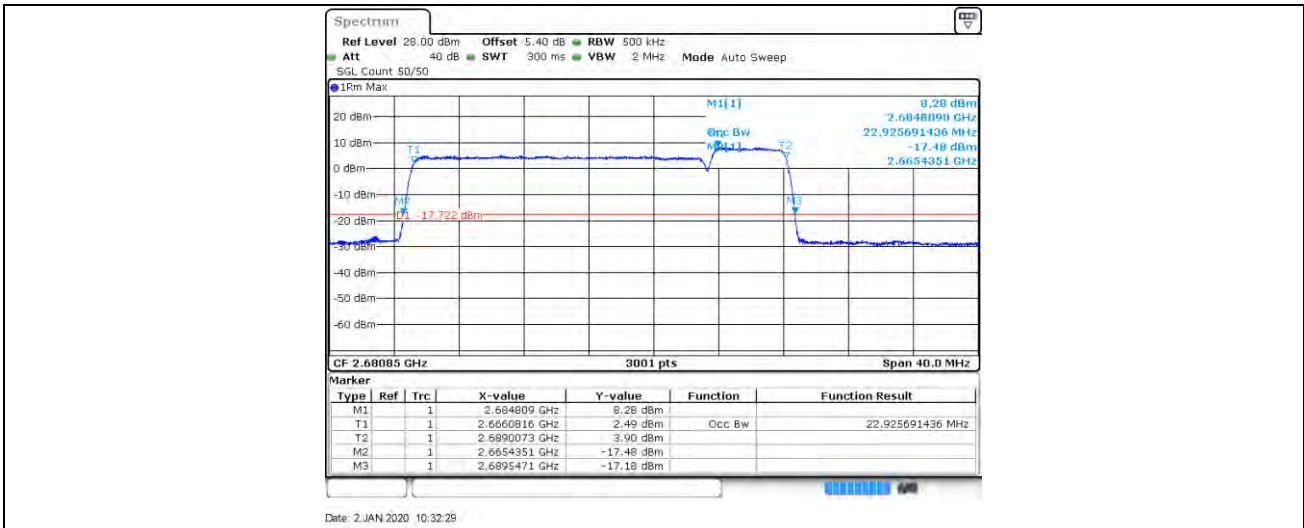
LTE Band CA_41C_100RB+25RB_64QAM_40595+40712_100RB#0+25RB#0



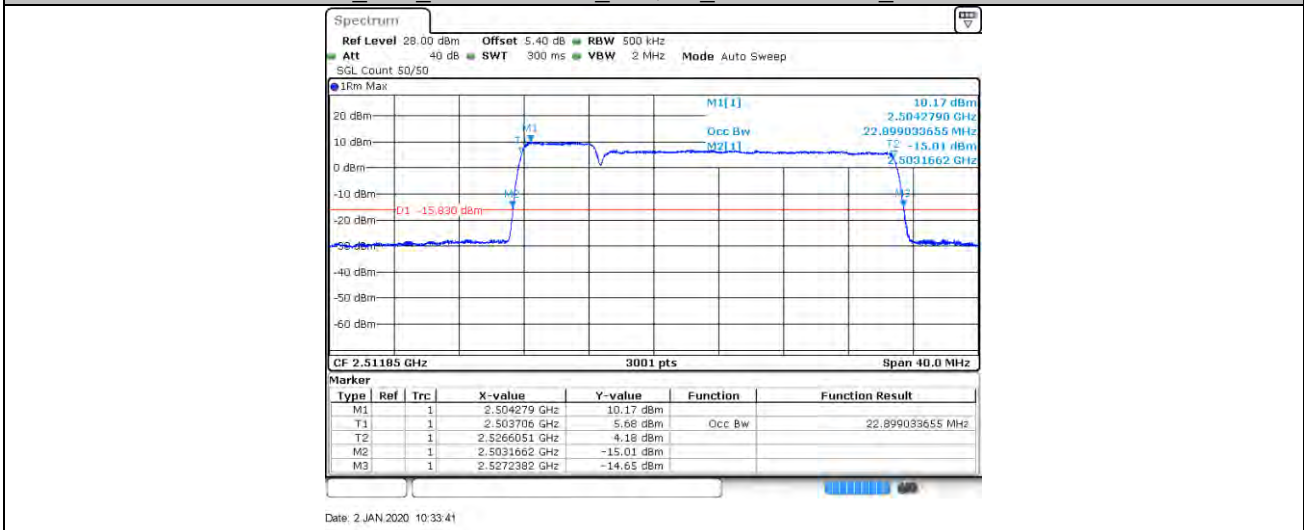
Date: 2.JAN 2020 10:31:16

LTE Band CA_41C_100RB+25RB_64QAM_41440+41557_100RB#0+25RB#0



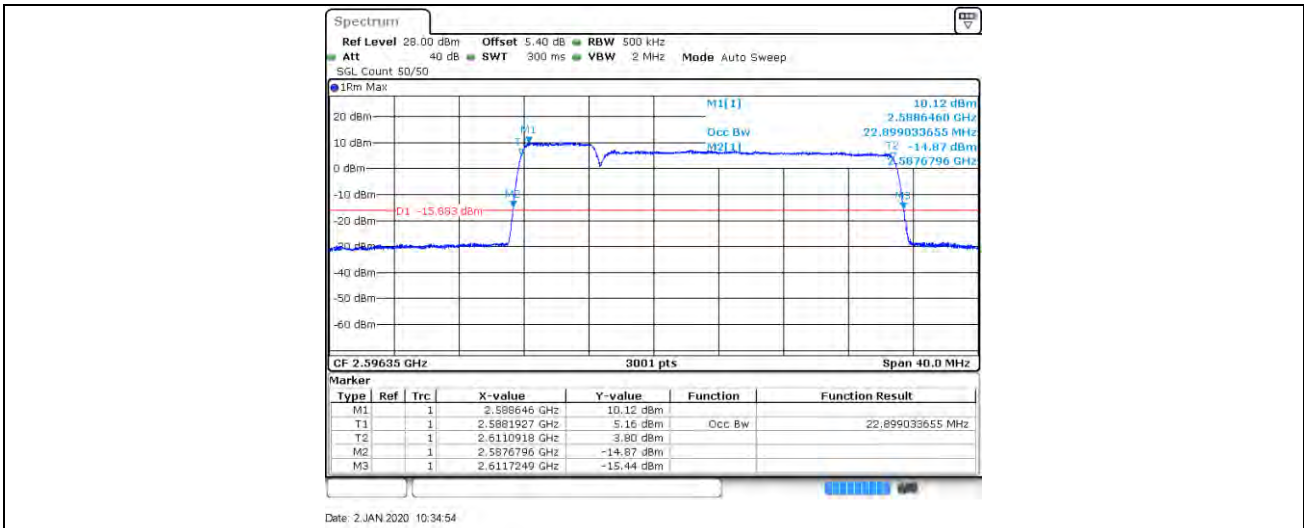


LTE Band CA_41C_100RB+25RB_64QAM_39867+39750_100RB#0+25RB#0



LTE Band CA_41C_100RB+25RB_64QAM_40712+40595_100RB#0+25RB#0



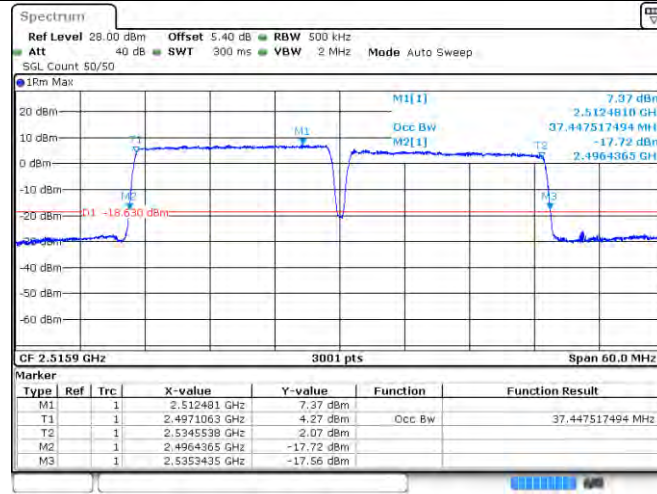


LTE Band CA_41C_100RB+25RB_64QAM_41557+41440_100RB#0+25RB#0



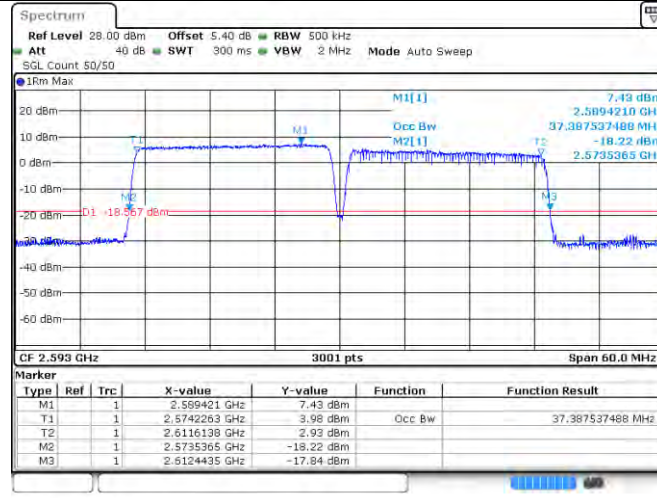
LTE Band CA_41C_100RB+100RB_QPSK_39750+39948_100RB#0+100RB#0





Date: 2.JAN.2020 10:41:15

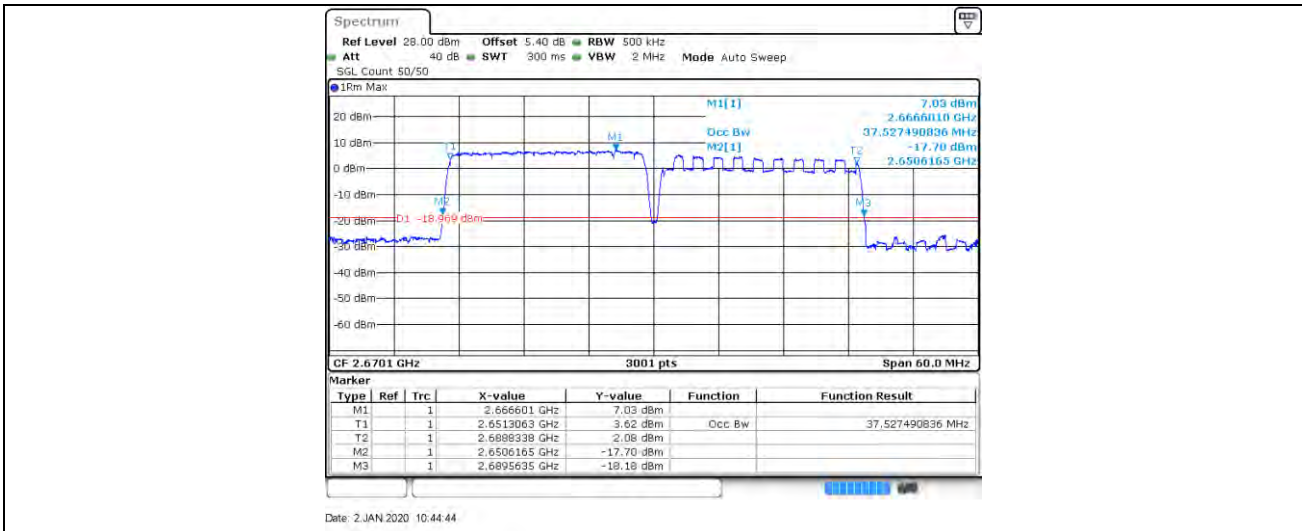
LTE Band CA_41C_100RB+100RB_QPSK_40521+40719_100RB#0+100RB#0



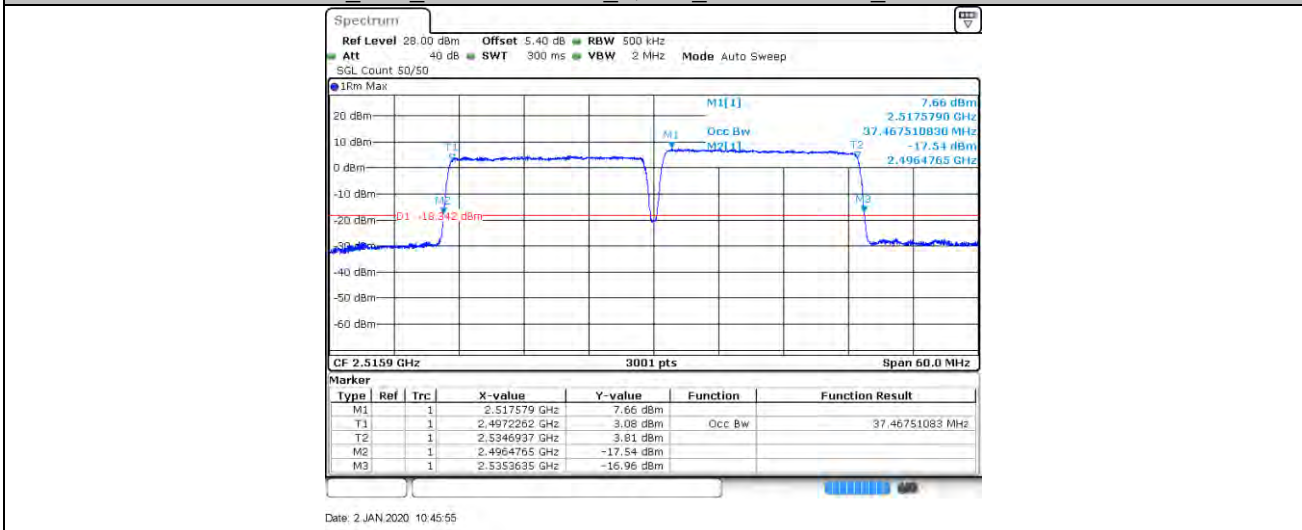
Date: 2.JAN.2020 10:43:35

LTE Band CA_41C_100RB+100RB_QPSK_41292+41490_100RB#0+100RB#0



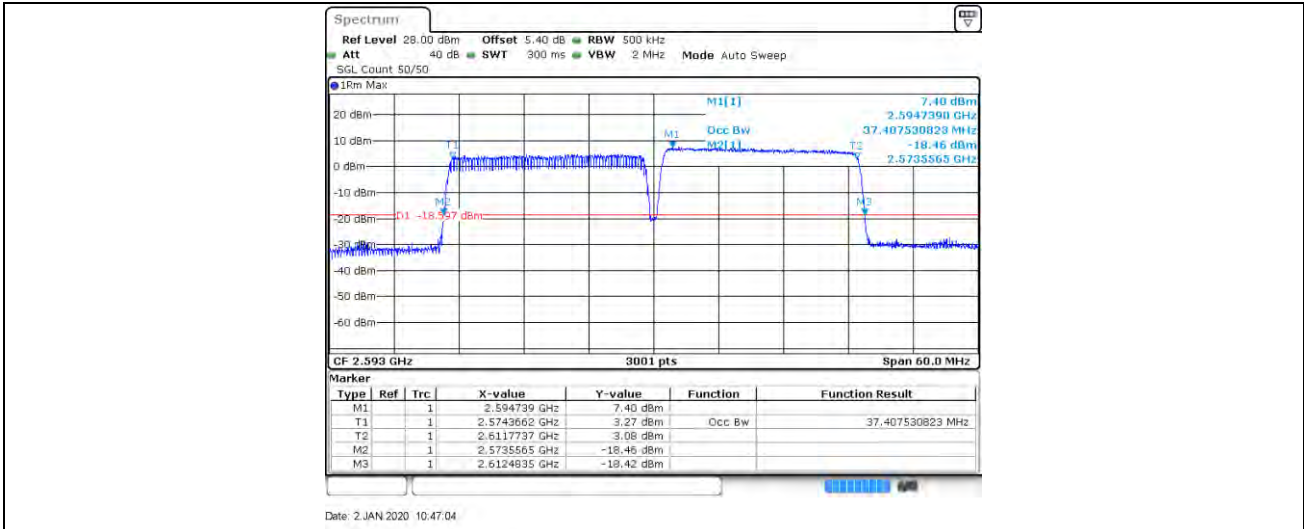


LTE Band CA_41C_100RB+100RB_QPSK_39948+39750_100RB#0+100RB#0

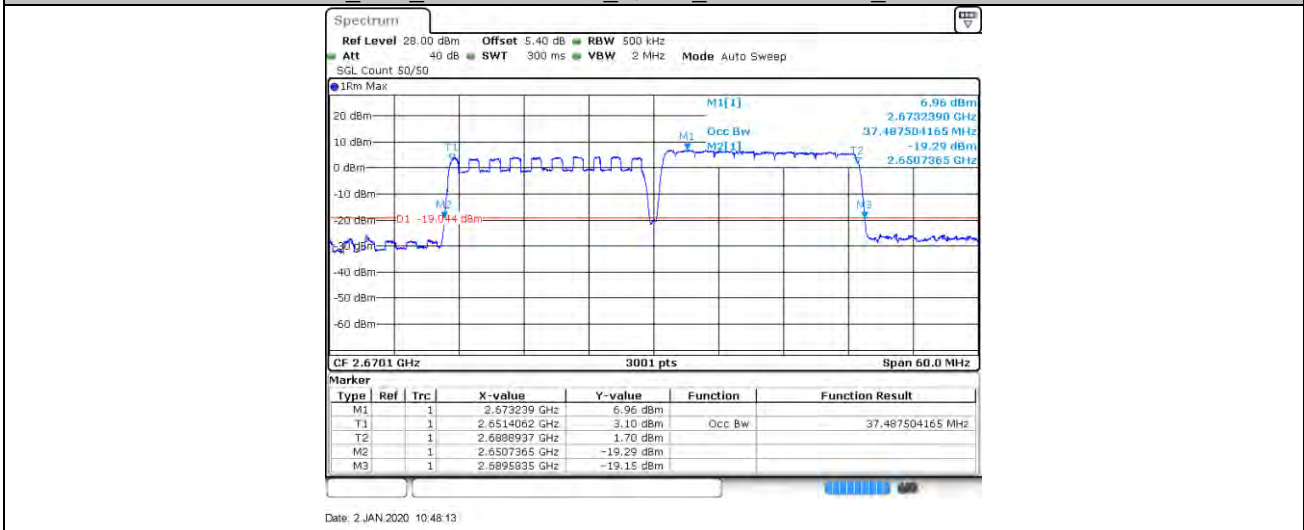


LTE Band CA_41C_100RB+100RB_QPSK_40719+40521_100RB#0+100RB#0



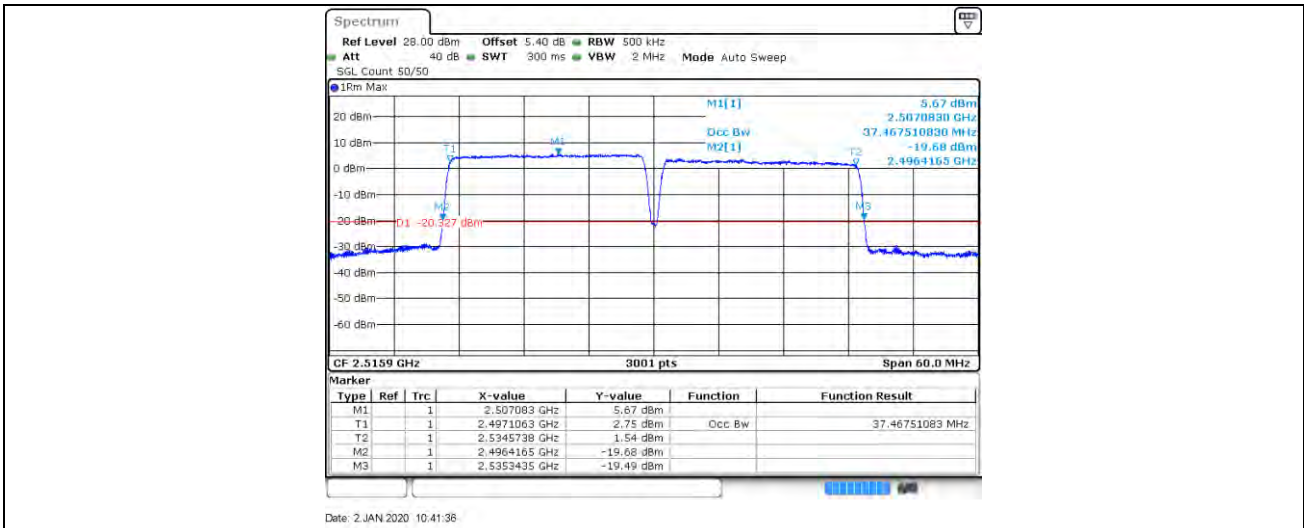


LTE Band CA_41C_100RB+100RB_QPSK_41490+41292_100RB#0+100RB#0



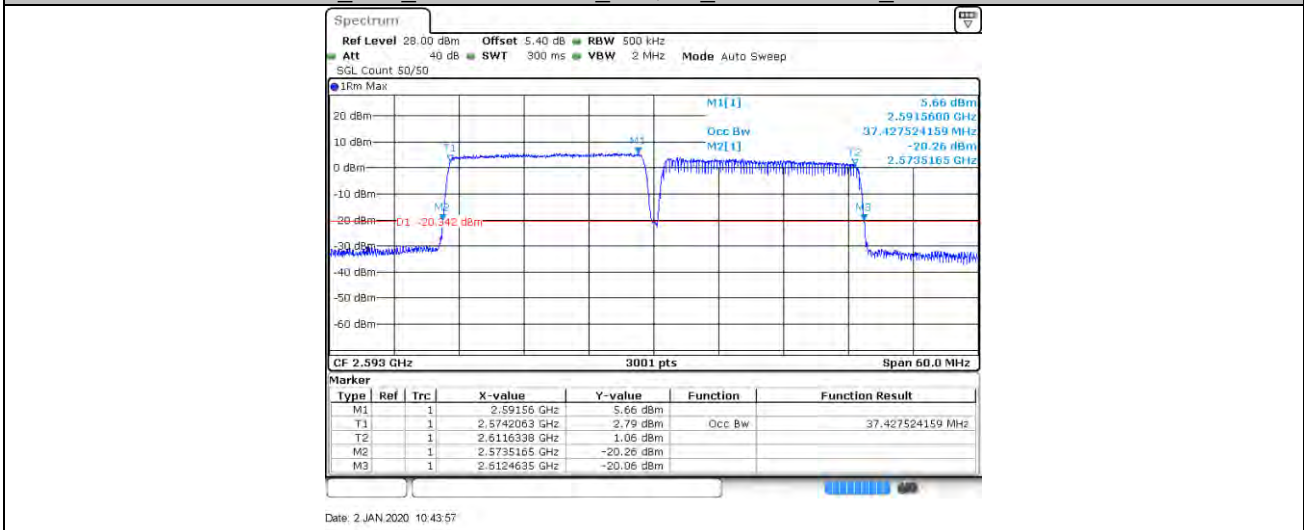
LTE Band CA_41C_100RB+100RB_16QAM_39750+39948_100RB#0+100RB#0





Date: 2.JAN 2020 10:41:38

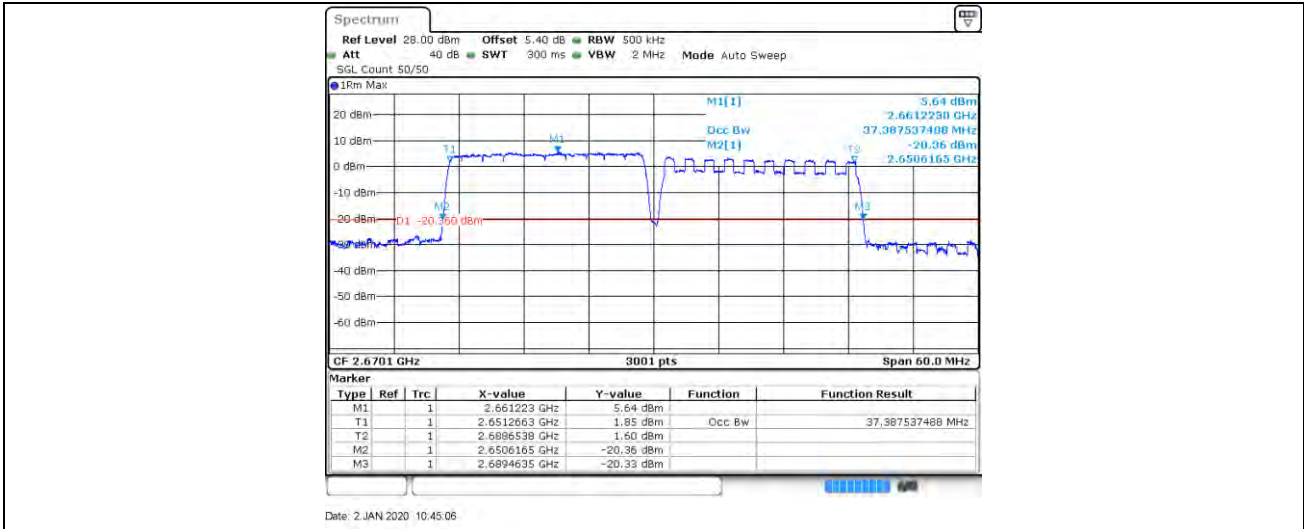
LTE Band CA 41C_100RB+100RB_16QAM_40521+40719_100RB#0+100RB#0



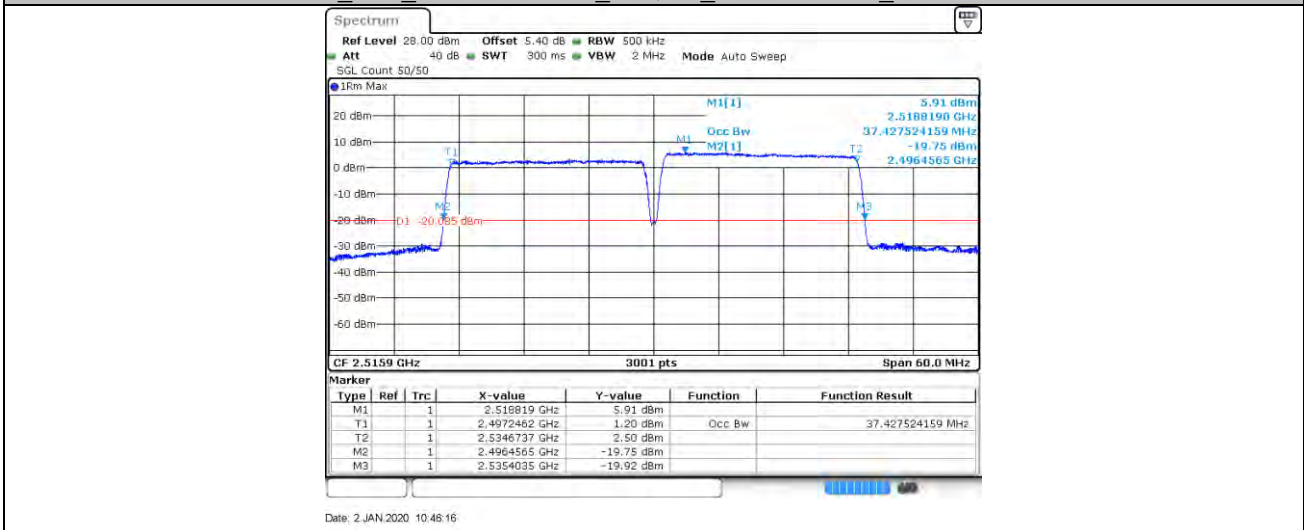
Date: 2.JAN 2020 10:43:57

LTE Band CA 41C_100RB+100RB_16QAM_41292+41490_100RB#0+100RB#0



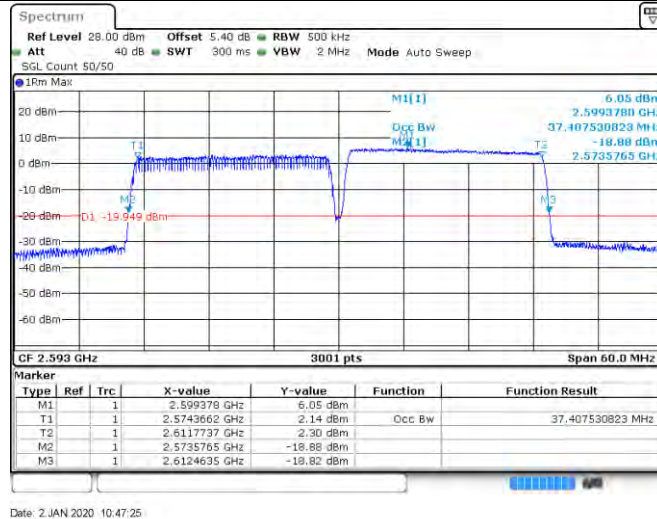


LTE Band CA 41C_100RB+100RB_16QAM_39948+39750_100RB#0+100RB#0



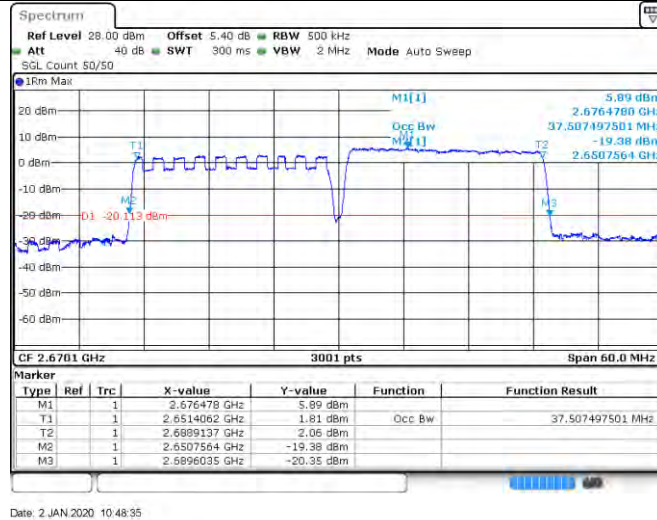
LTE Band CA 41C_100RB+100RB_16QAM_40719+40521_100RB#0+100RB#0





Date: 2. JAN 2020 10:47:25

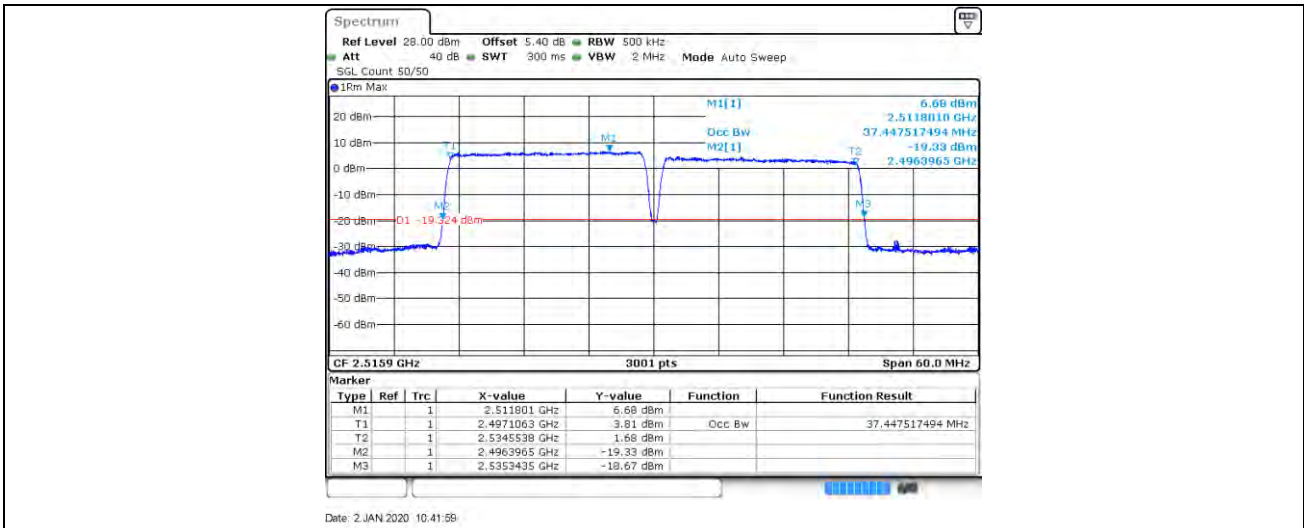
LTE Band CA 41C_100RB+100RB_16QAM_41490+41292_100RB#0+100RB#0



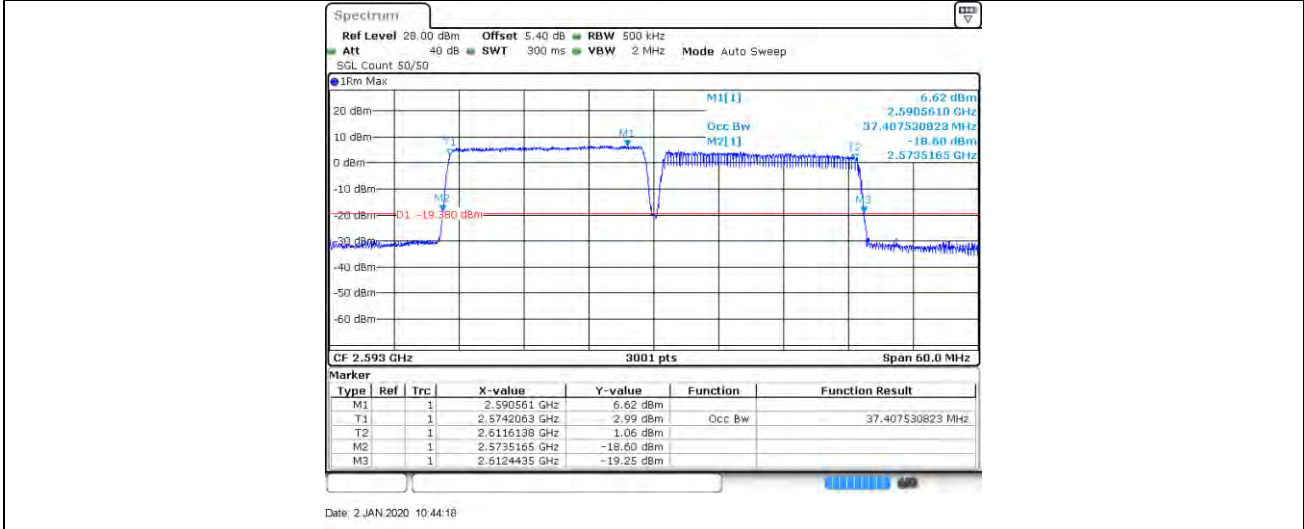
Date: 2. JAN 2020 10:48:35

LTE Band CA 41C_100RB+100RB_64QAM_39750+39948_100RB#0+100RB#0





LTE Band CA 41C_100RB+100RB_64QAM_40521+40719_100RB#0+100RB#0

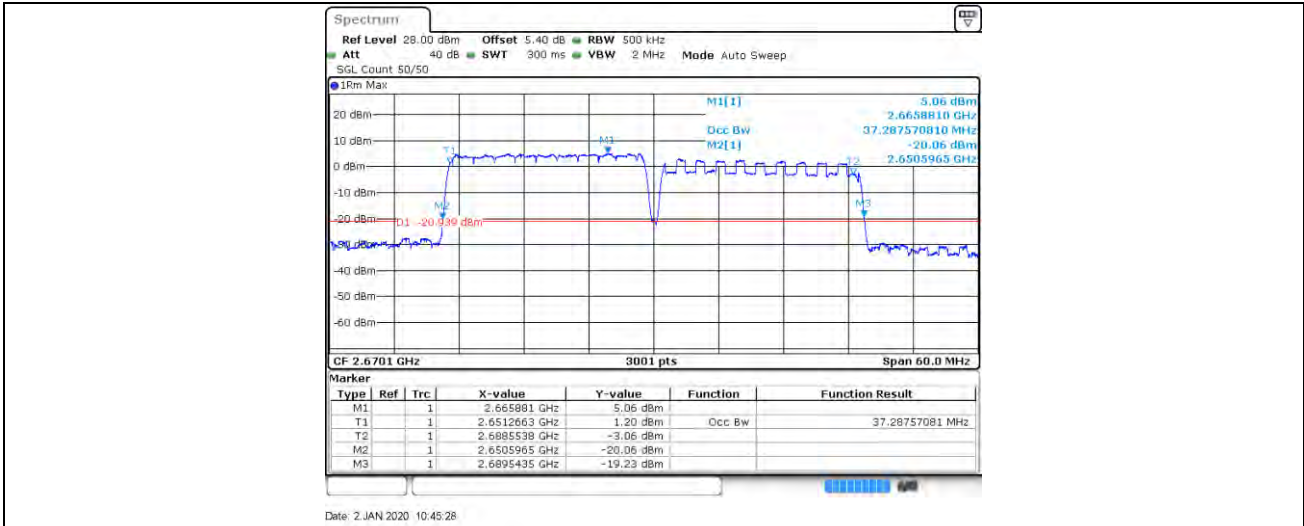


LTE Band CA 41C_100RB+100RB_64QAM_41292+41490_100RB#0+100RB#0

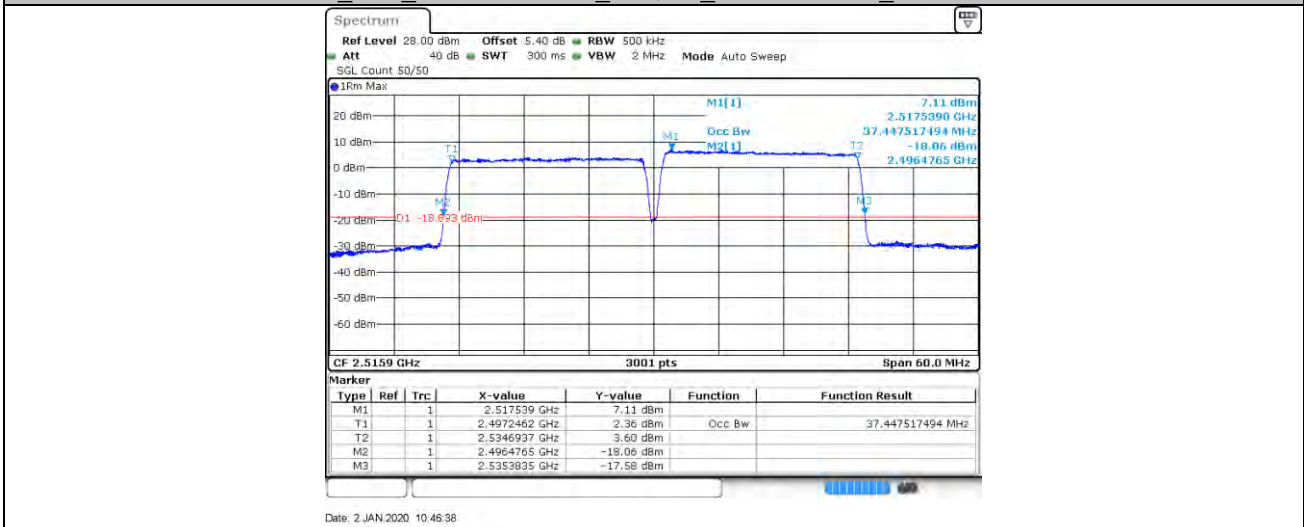


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

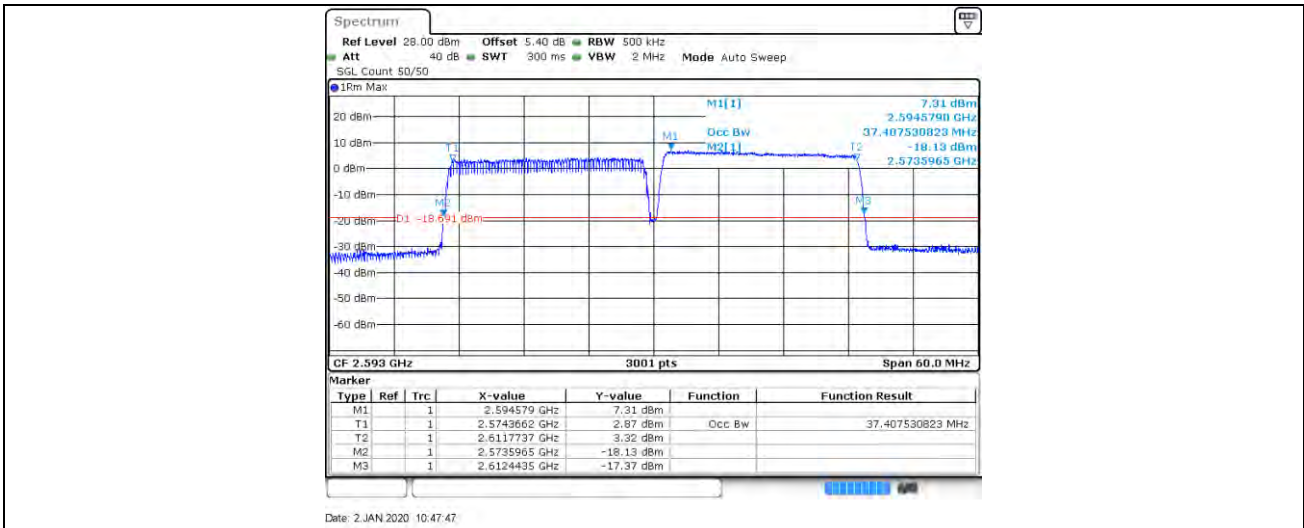


LTE Band CA 41C_100RB+100RB_64QAM_39948+39750_100RB#0+100RB#0

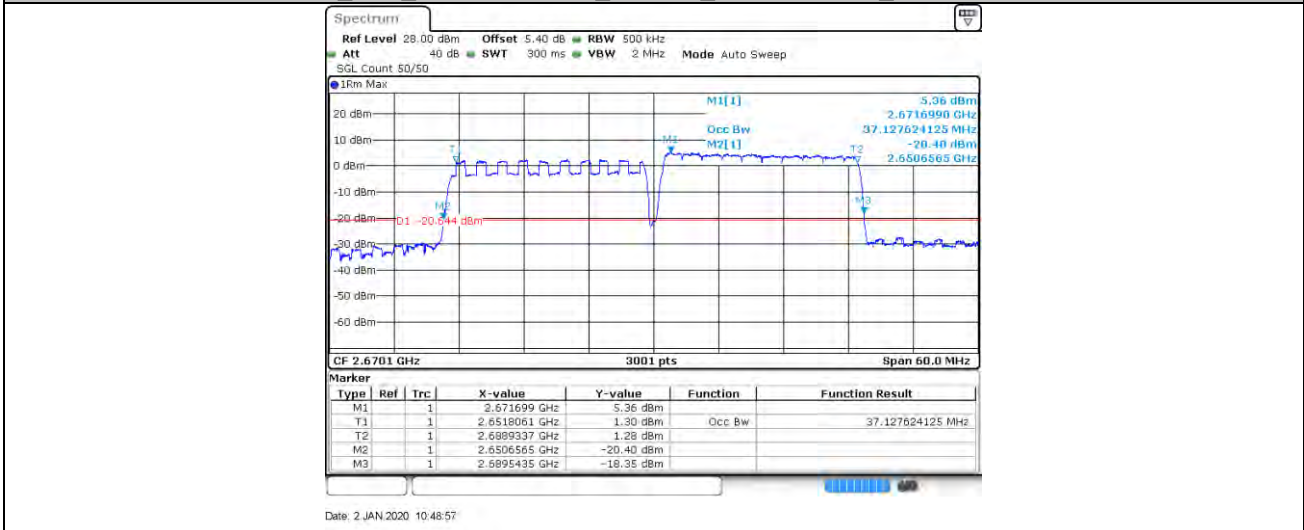


LTE Band CA 41C_100RB+100RB_64QAM_40719+40521_100RB#0+100RB#0





LTE Band CA 41C_100RB+100RB_64QAM_41490+41292_100RB#0+100RB#0



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.

5 Band Edges Compliance

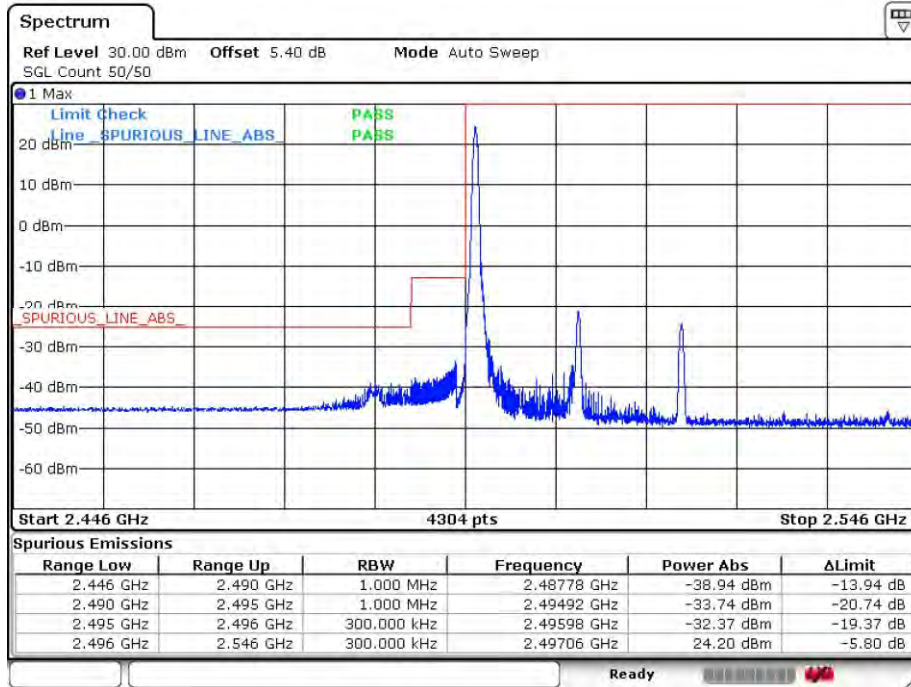
5.1 For LTE

5.1.1 Test Band = LTE Band CA_41C

5.1.1.1 Test Mode = LTE /QPSK 100RB+25RB

5.1.1.1.1 Test Channel = LCH

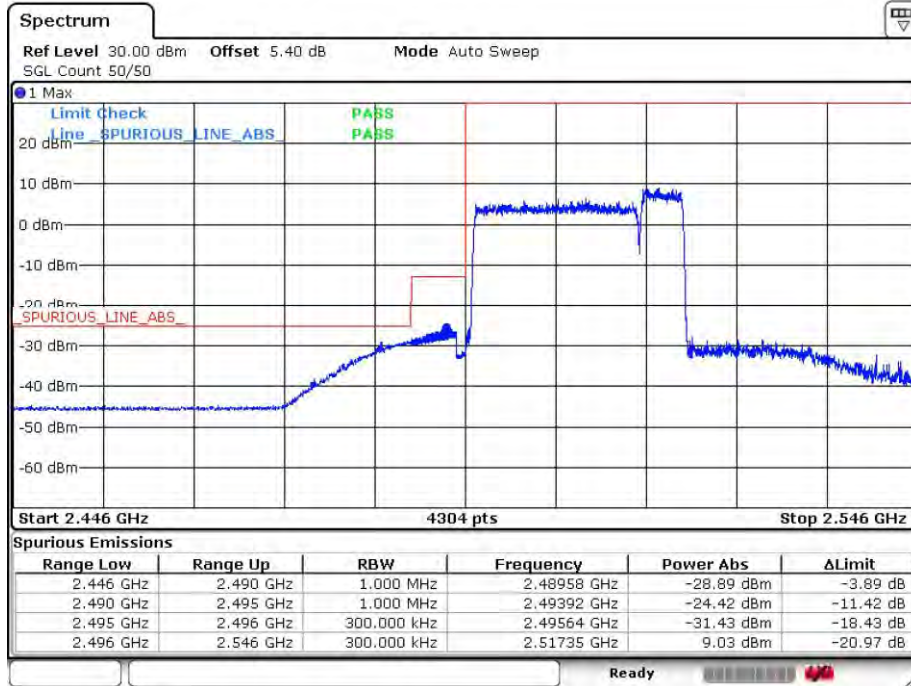
5.1.1.1.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 06:31:11



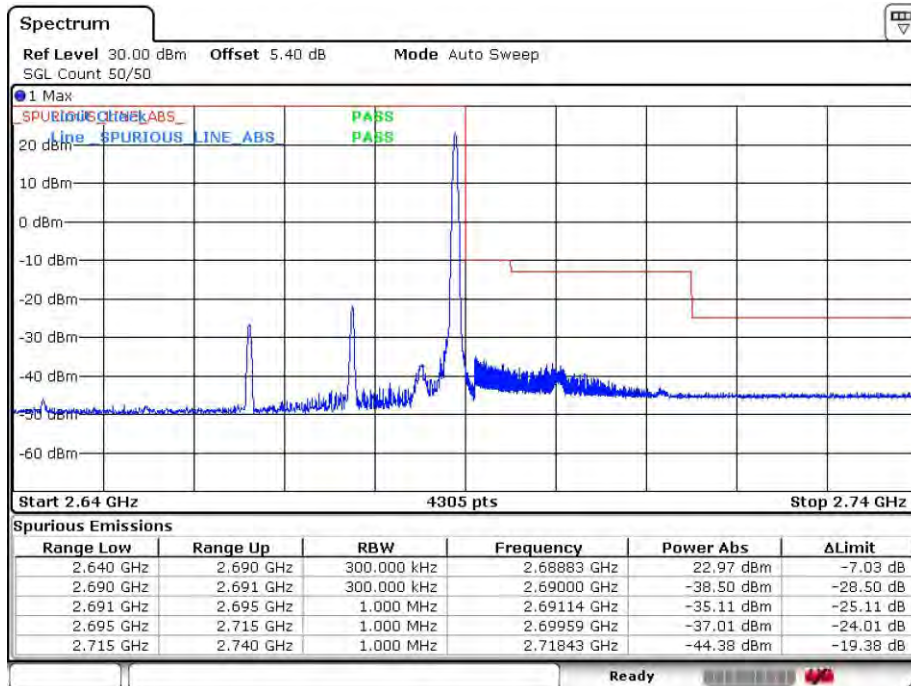
5.1.1.1.2 Test RB100RB#0+25RB#0



Date: 3.JAN.2020 06:30:06

5.1.1.1.2 Test Channel = HCH

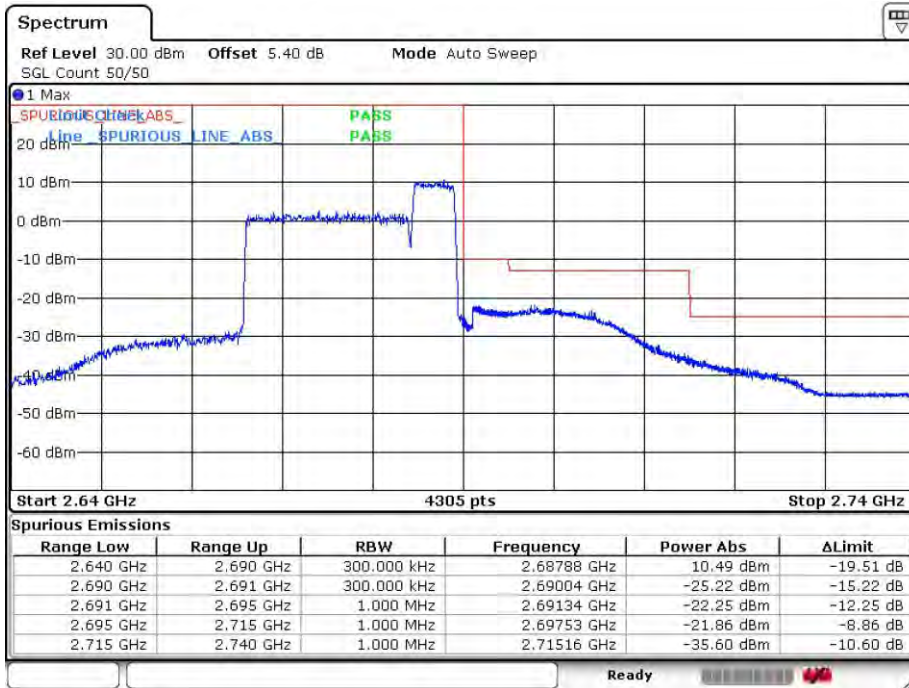
5.1.1.1.2.1 Test RB=1RB#24+0RB#0



Date: 3.JAN.2020 06:59:59



5.1.1.1.2.2 Test RB=100RB#0+25RB#0

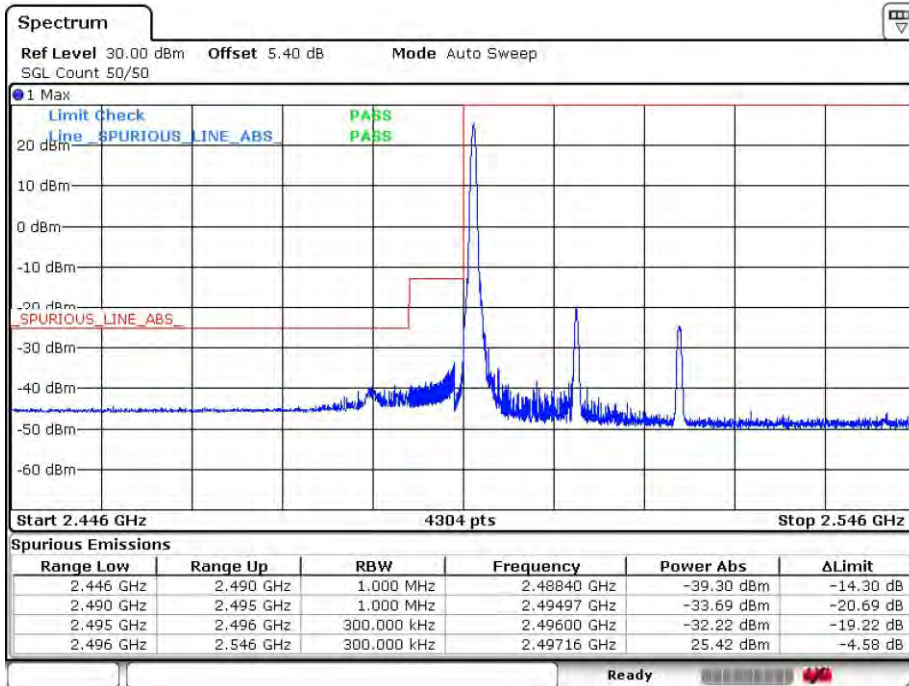


Date: 3.JAN.2020 06:53:38

5.1.1.2 Test Mode = LTE /16QAM 100RB+25RB

5.1.1.2.1 Test Channel = LCH

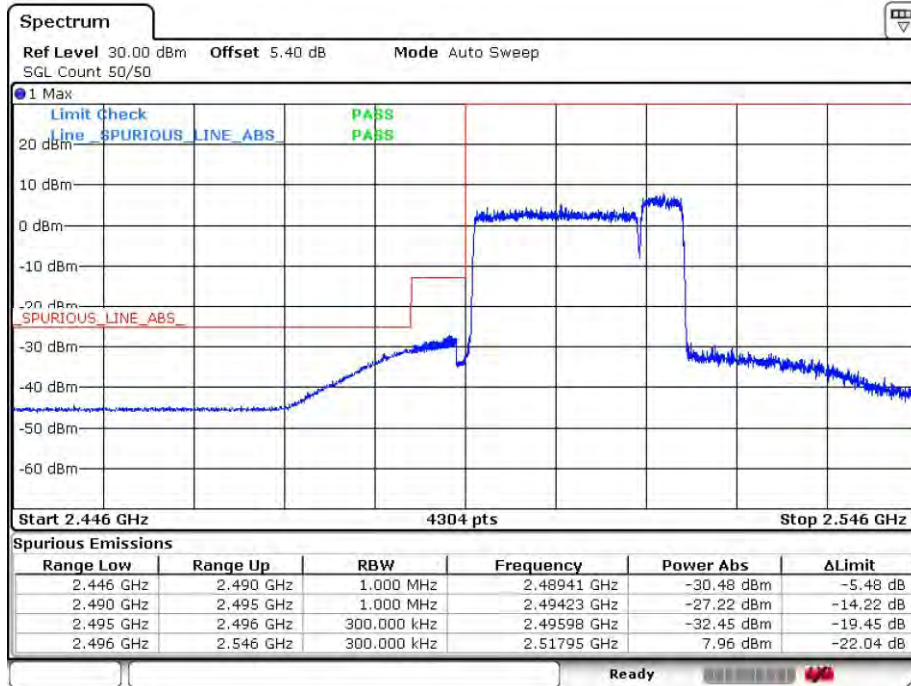
5.1.1.2.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 06:32:00



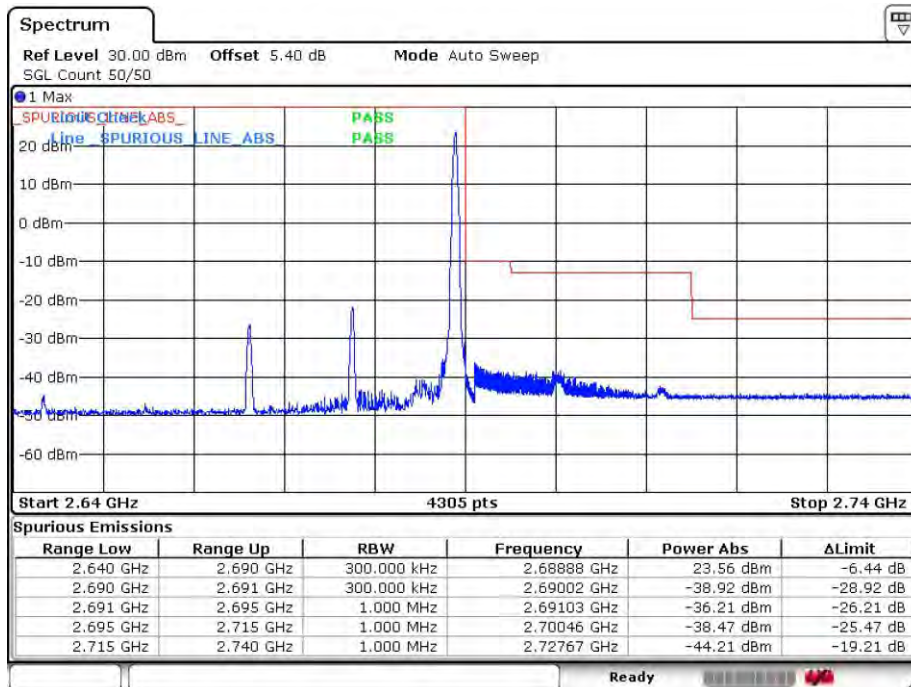
5.1.1.2.1.2 Test RB=100RB#0+25RB#0



Date: 3.JAN.2020 06:34:22

5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB#24+0RB#0

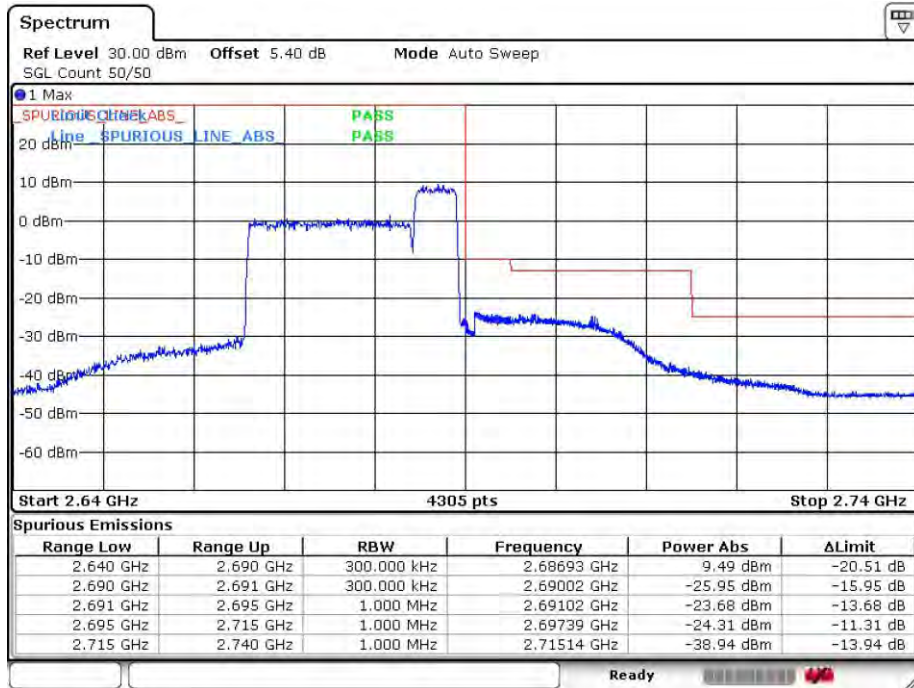


Date: 3.JAN.2020 06:58:35



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.

5.1.1.2.2 Test RB=100RB#0+25RB#0

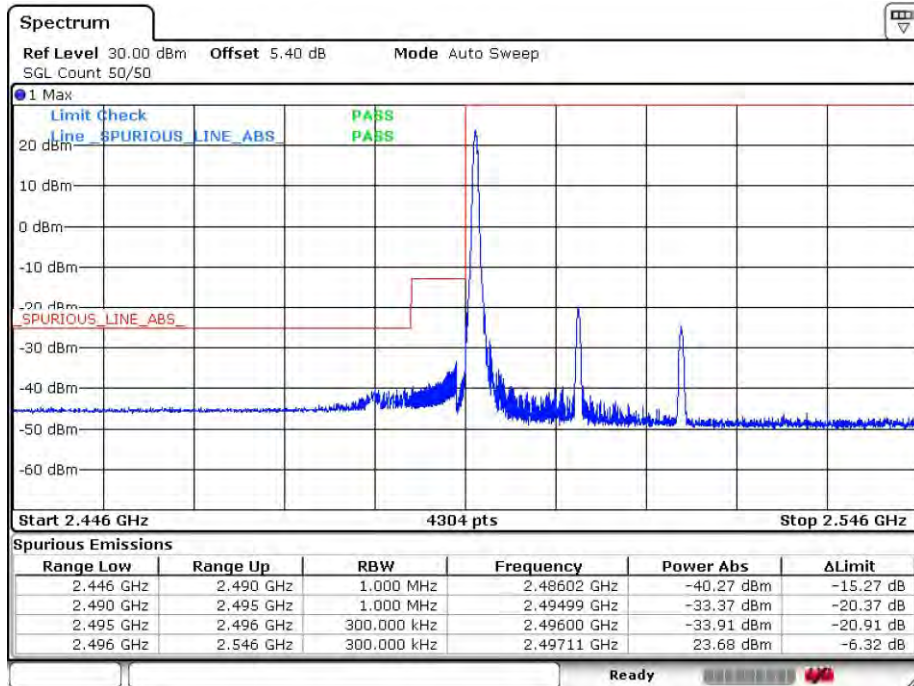


Date: 3.JAN.2020 06:54:50

5.1.1.3 Test Mode = LTE /64QAM 100RB+25RB

5.1.1.3.1 Test Channel = LCH

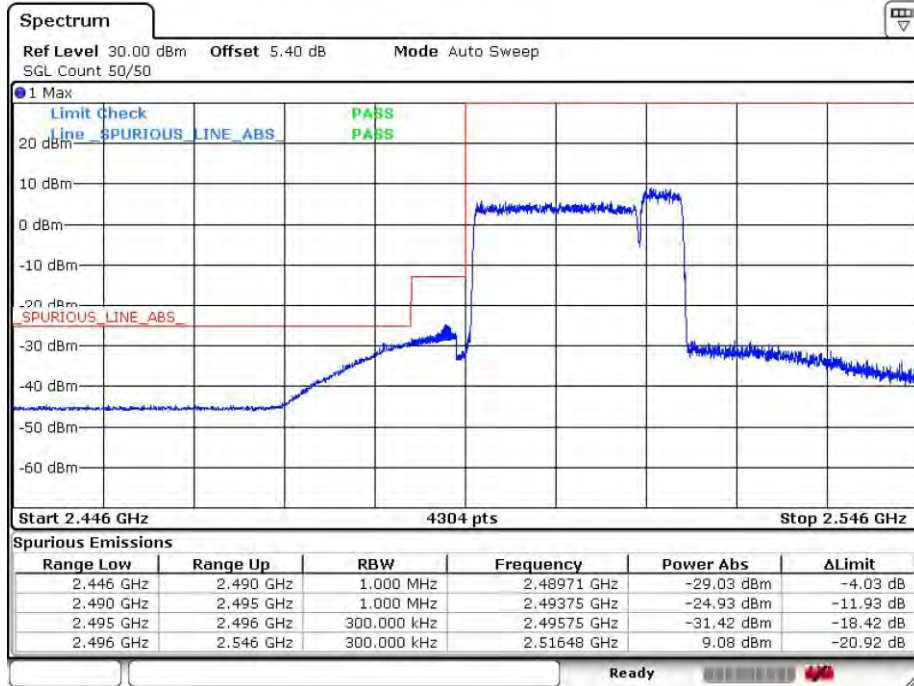
5.1.1.3.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 06:33:05



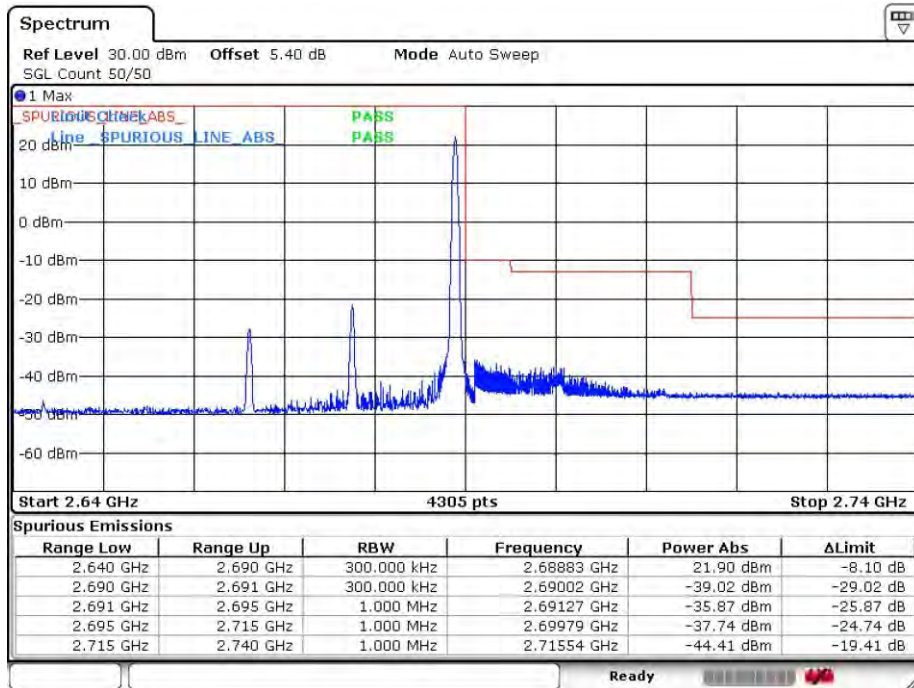
5.1.1.3.1.2 Test RB=100RB#0+25RB#0



Date: 3.JAN.2020 06:33:54

5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB#24+0RB#0

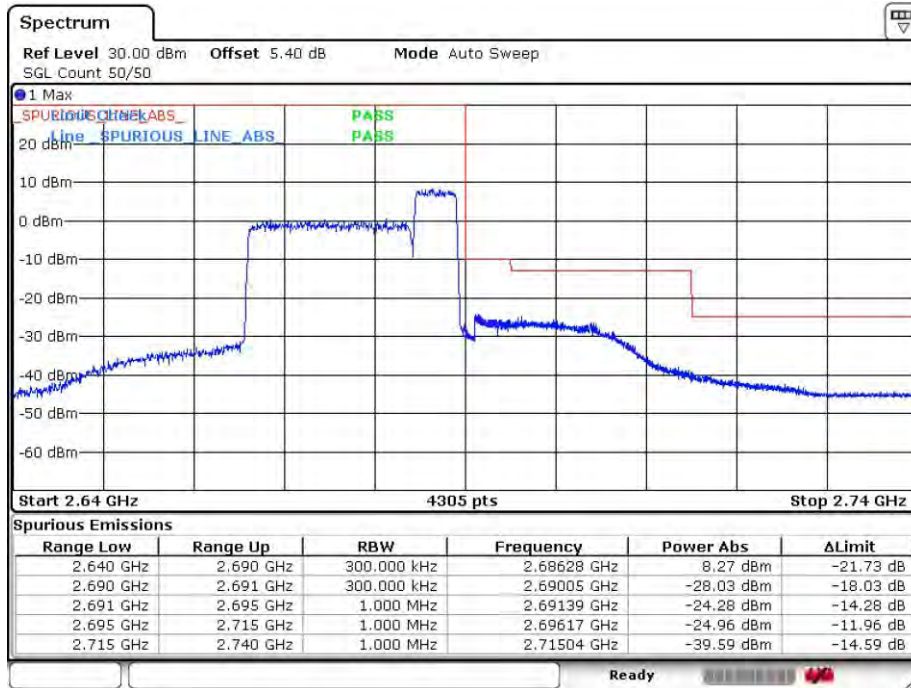


Date: 3.JAN.2020 06:56:43



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.

5.1.1.3.2.2 Test RB=100RB#0+25RB#0

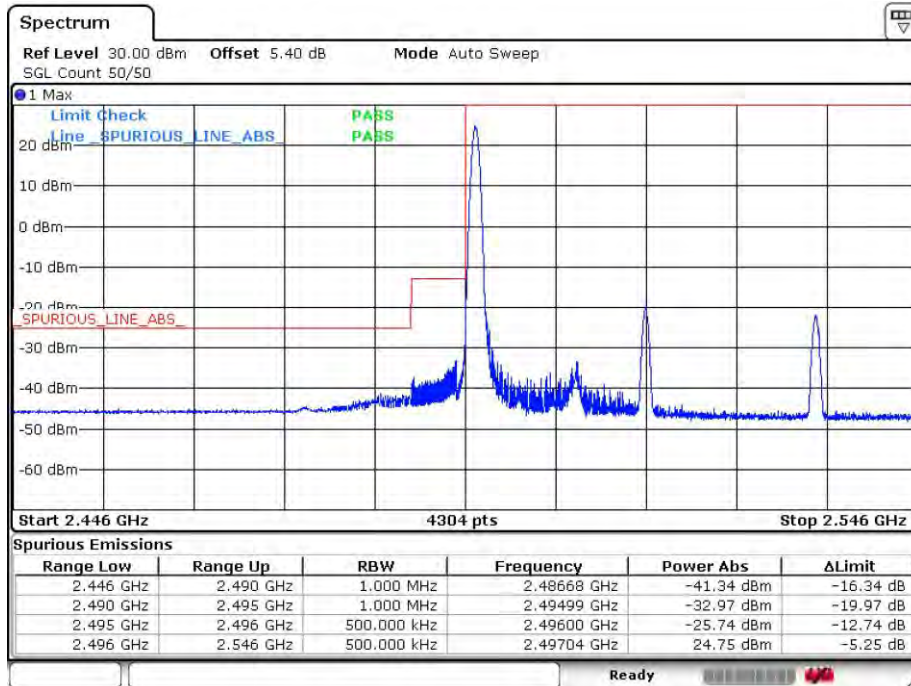


Date: 3.JAN.2020 06:55:38

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

5.1.1.4.1 Test Channel = LCH

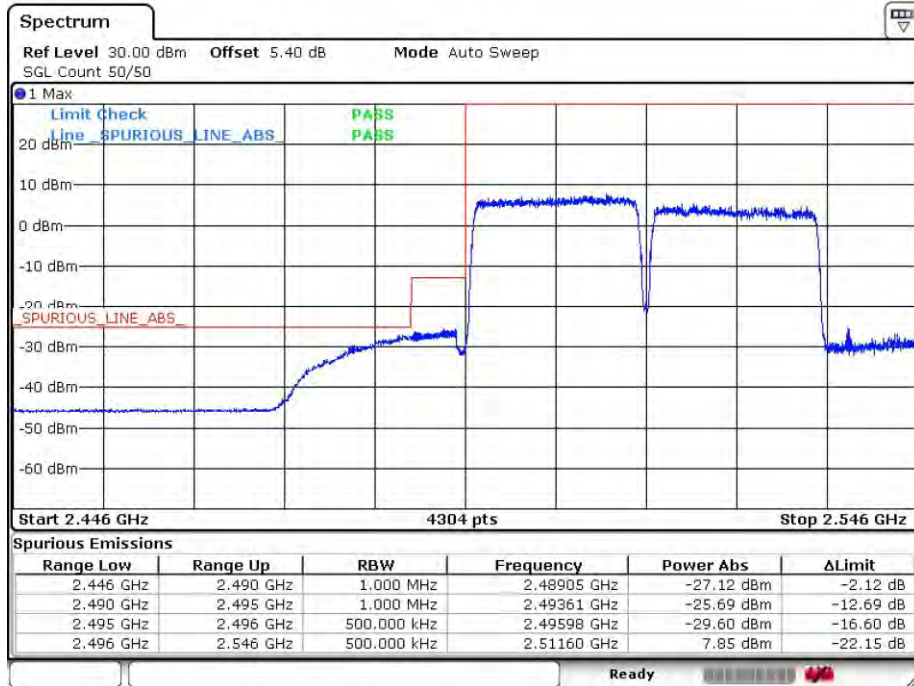
5.1.1.4.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 07:06:20



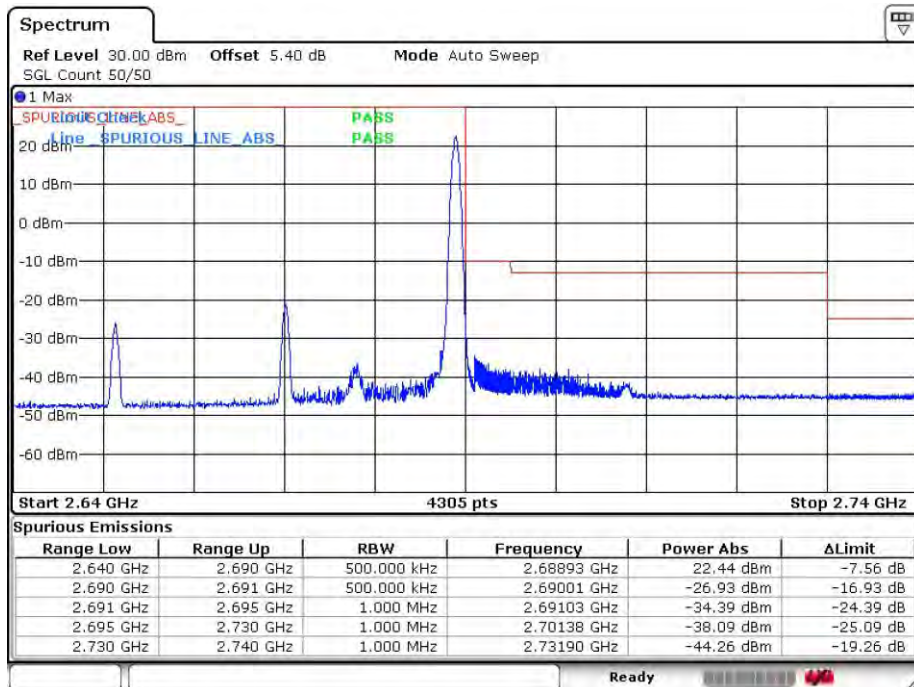
5.1.1.4.1.2 Test RB=100RB#0+100RB#0



Date: 3.JAN.2020 07:01:55

5.1.1.4.2 Test Channel = HCH

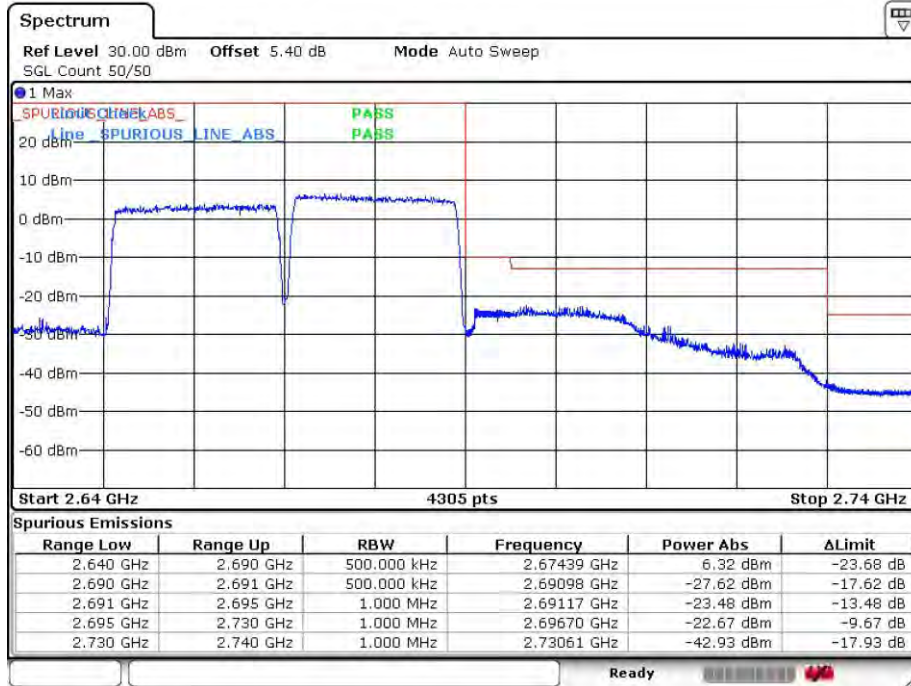
5.1.1.4.2.1 Test RB=1RB#99+0RB#0



Date: 3.JAN.2020 07:18:46



5.1.1.4.2.2 Test RB=100RB#0+100RB#0

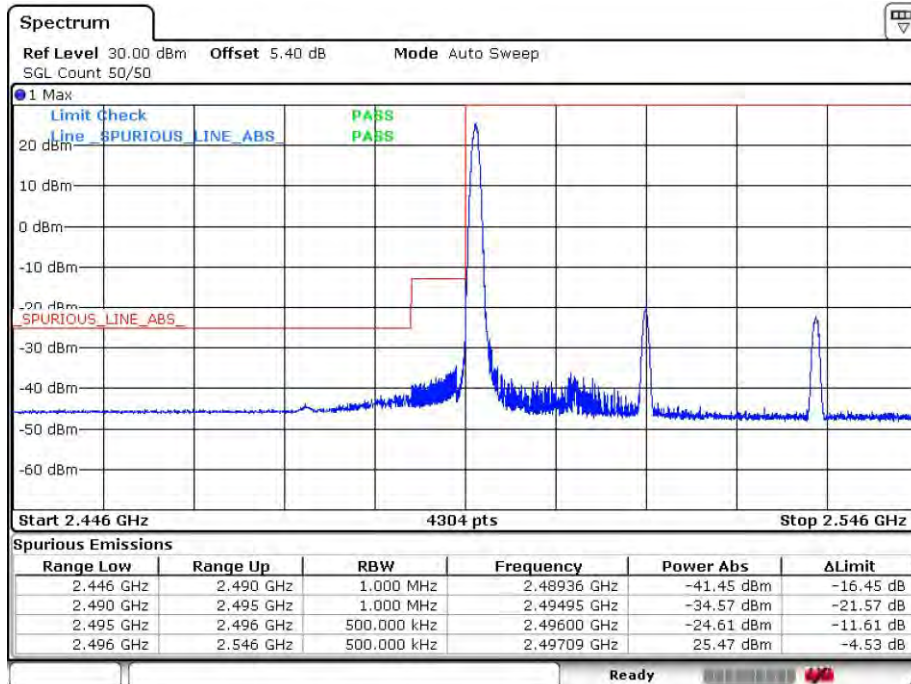


Date: 3.JAN.2020 07:12:09

5.1.1.5 Test Mode = LTE /16QAM 100RB+100RB

5.1.1.5.1 Test Channel = LCH

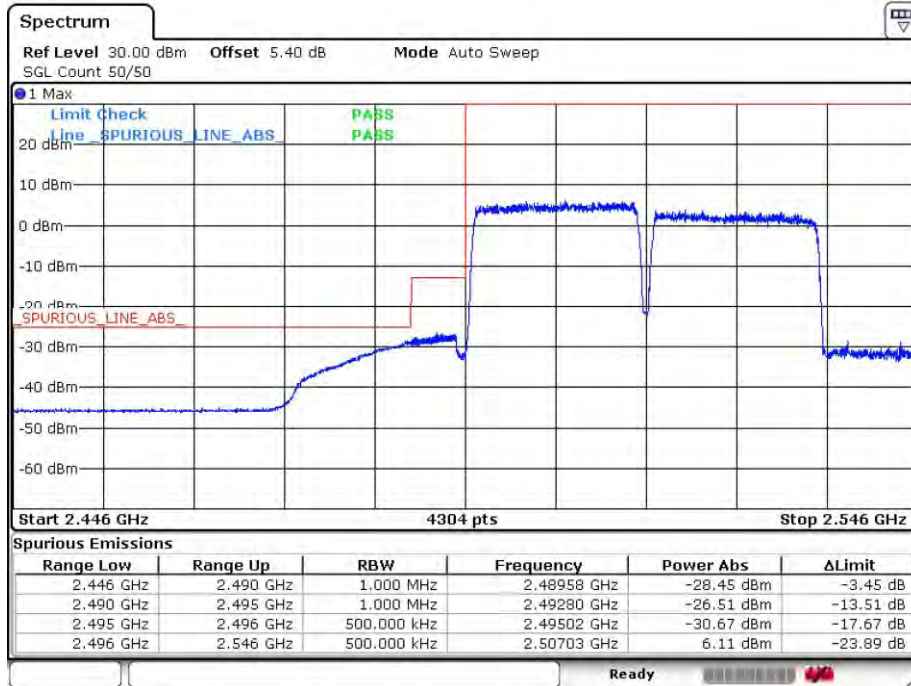
5.1.1.5.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 07:07:10



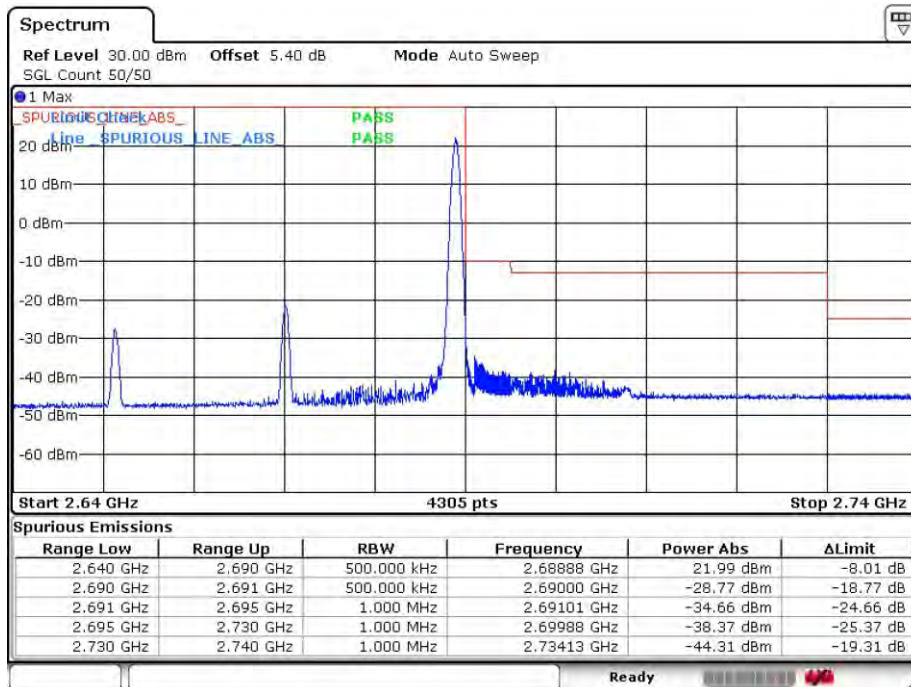
5.1.1.5.1.2 Test RB=100RB#0+100RB#0



Date: 3.JAN.2020 07:03:24

5.1.1.5.2 Test Channel = HCH

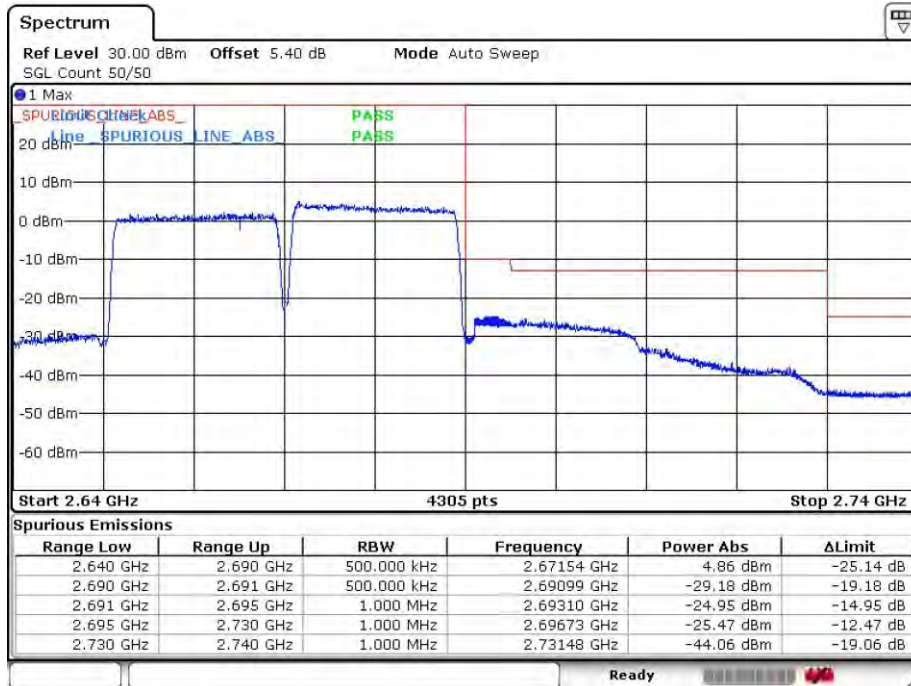
5.1.1.5.2.1 Test RB=1RB#99+0RB#0



Date: 3.JAN.2020 07:16:41



5.1.1.5.2.2 Test RB=100RB#0+100RB#0

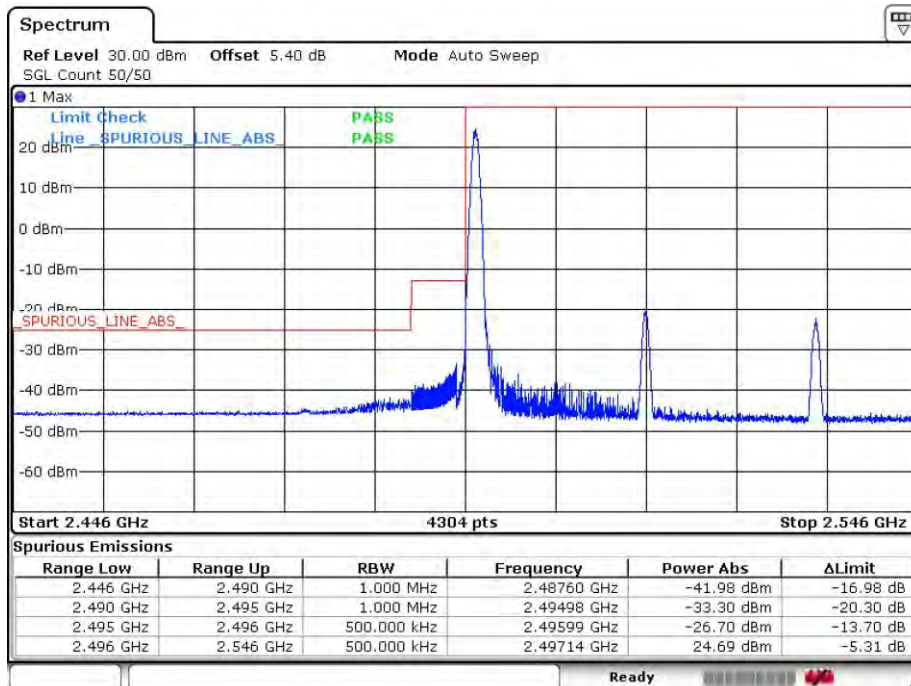


Date: 3.JAN.2020 07:15:59

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

5.1.1.6.1 Test Channel = LCH

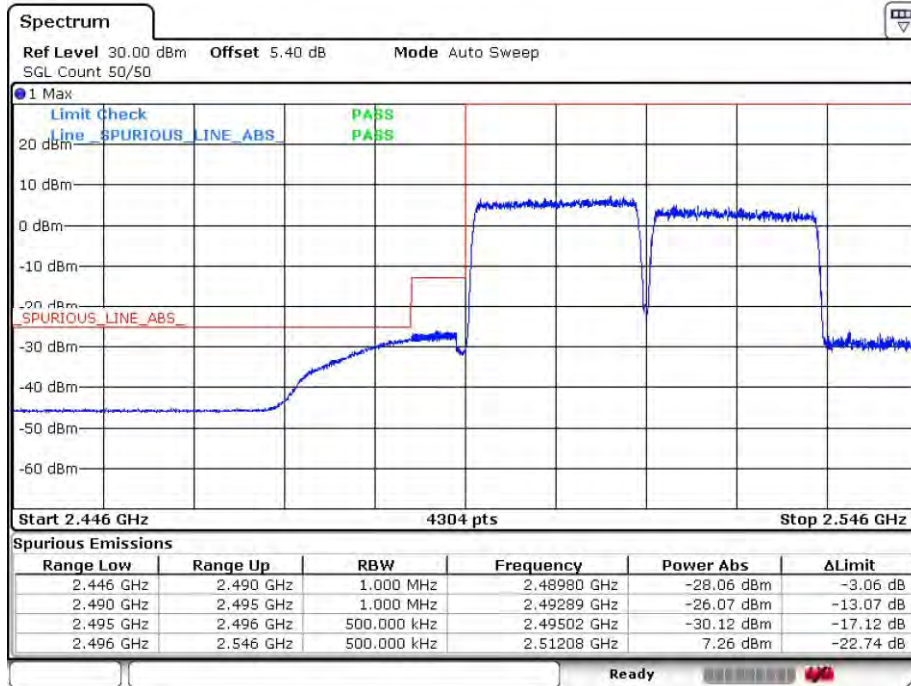
5.1.1.6.1.1 Test RB=1RB#0+0RB#0



Date: 3.JAN.2020 07:07:56



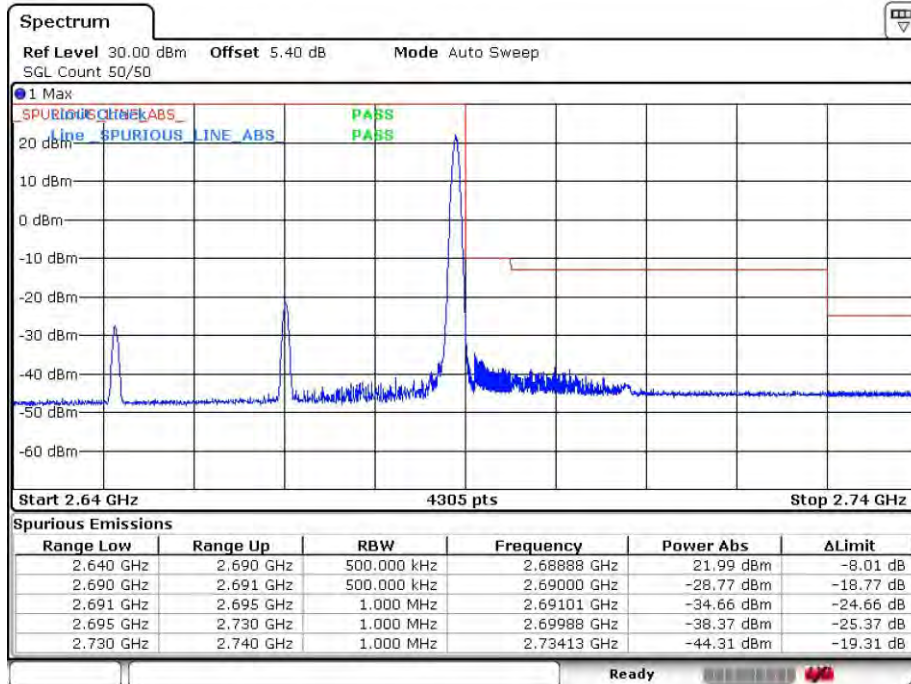
5.1.1.6.1.2 Test RB=100RB#0+100RB#0



Date: 3.JAN.2020 07:05:24

5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB#99+0RB#0

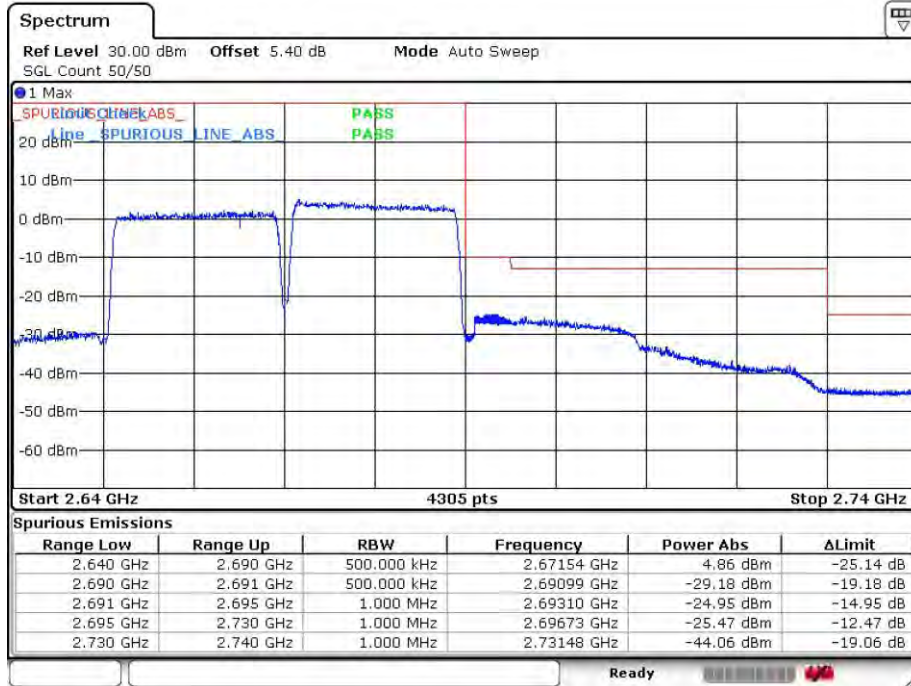


Date: 3.JAN.2020 07:16:41



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.

5.1.1.6.2.2 Test RB=100RB#0+100RB#0



Date: 3.JAN.2020 07:15:59



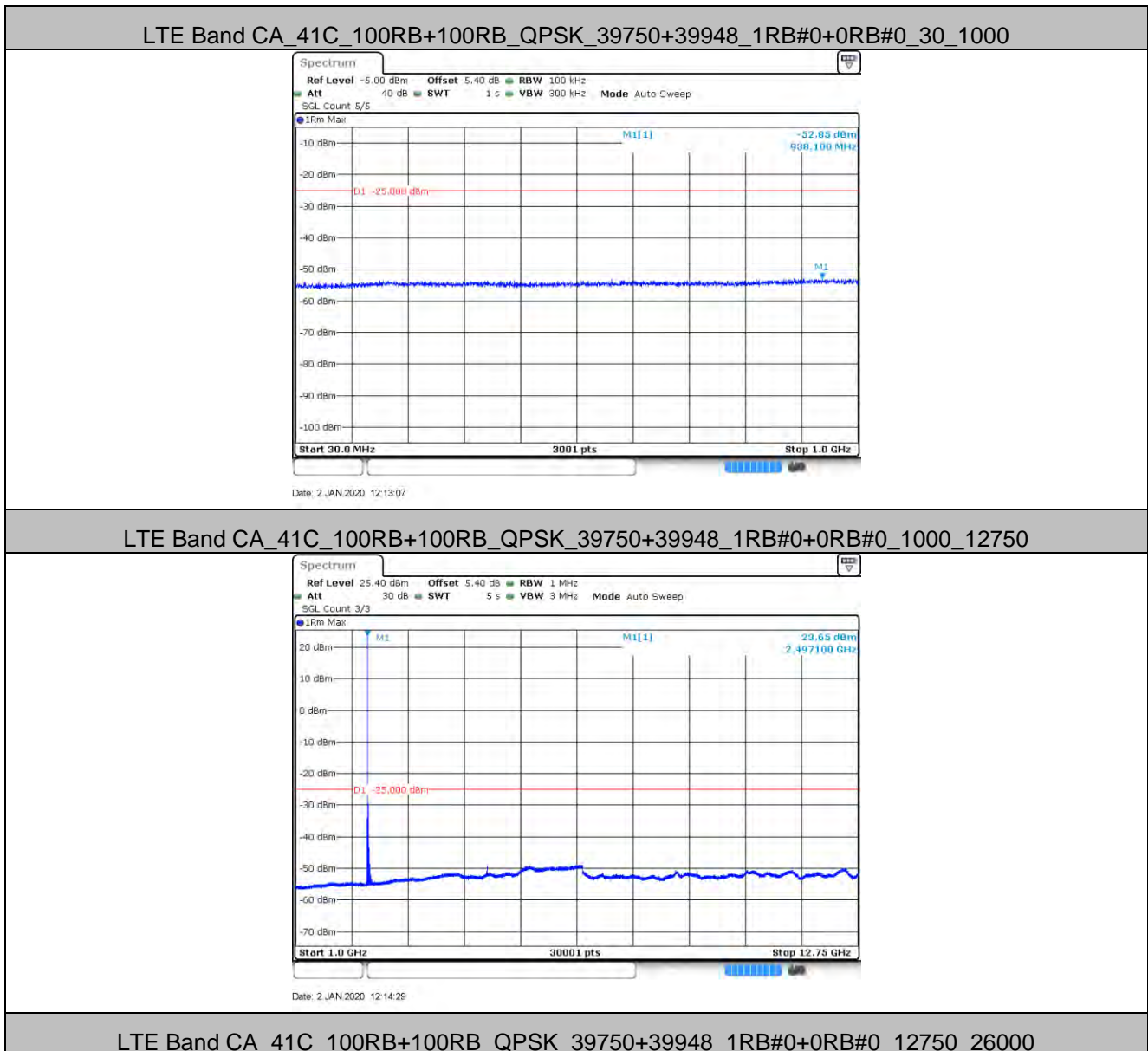
6 Spurious Emission at Antenna Terminal

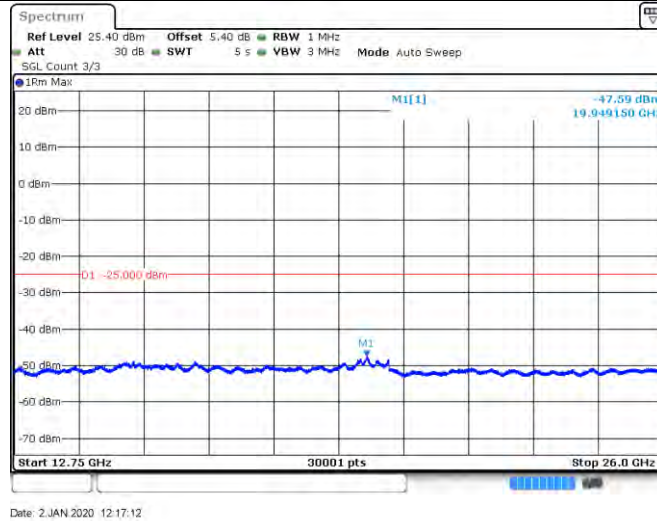
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k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

Part I - Test Plots

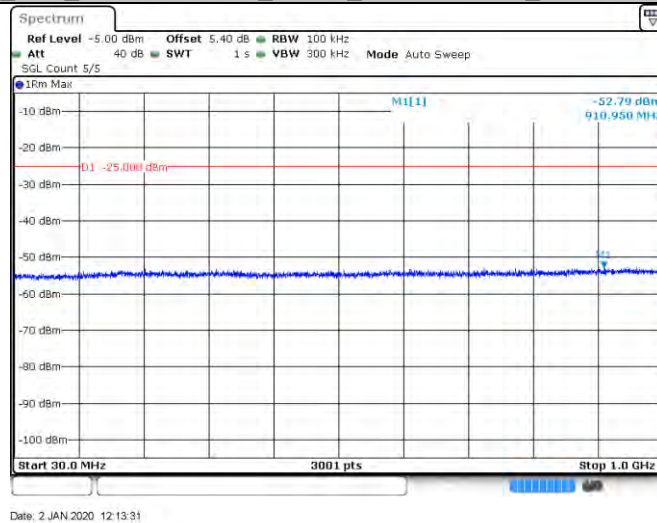
6.1 For LTE

6.1.1 Test Band = LTE Band CA_41C



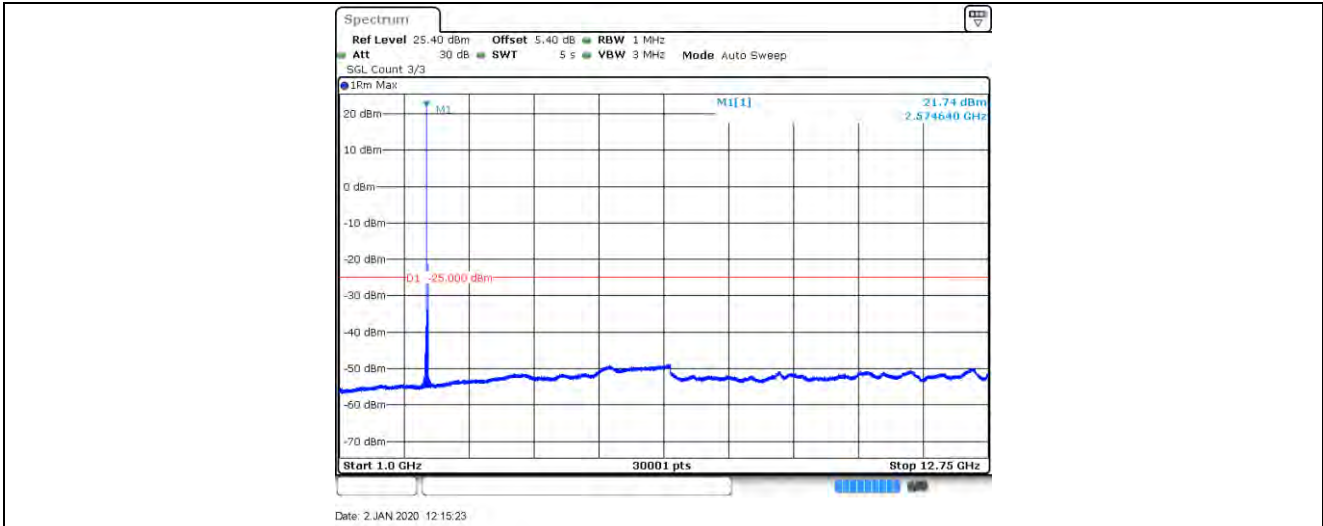


LTE Band CA_41C_100RB+100RB_QPSK_40521+40719_1RB#0+0RB#0_30_1000

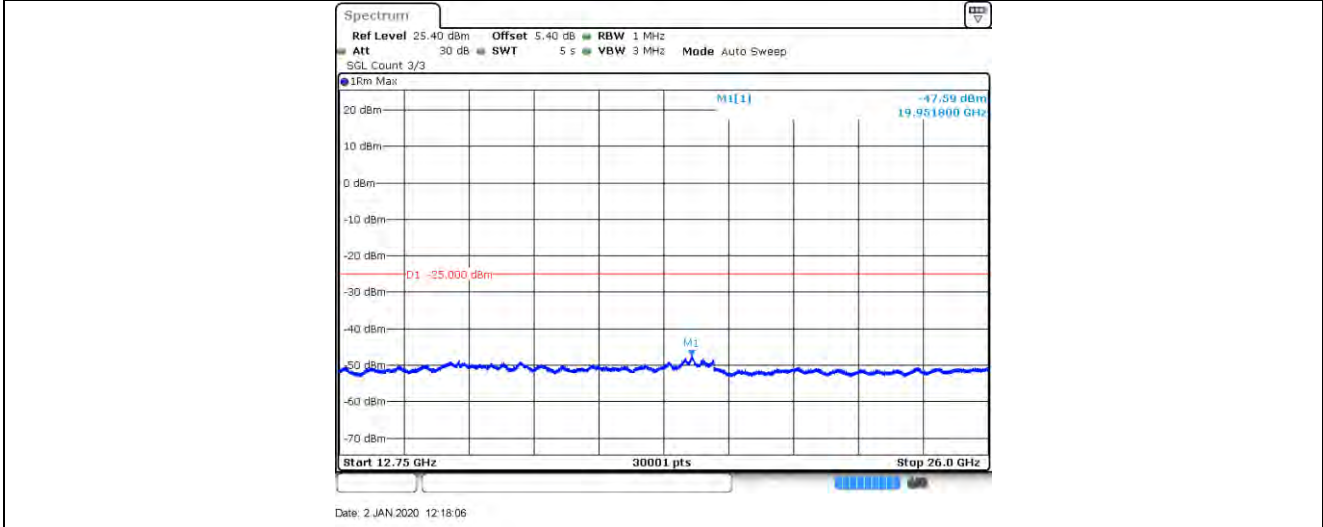


LTE Band CA_41C_100RB+100RB_QPSK_40521+40719_1RB#0+0RB#0_1000_12750



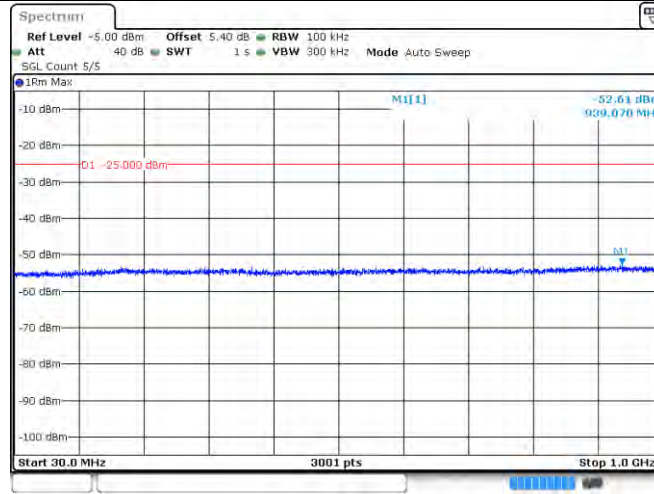


LTE Band CA_41C_100RB+100RB_QPSK_40521+40719_1RB#0+0RB#0_12750_26000



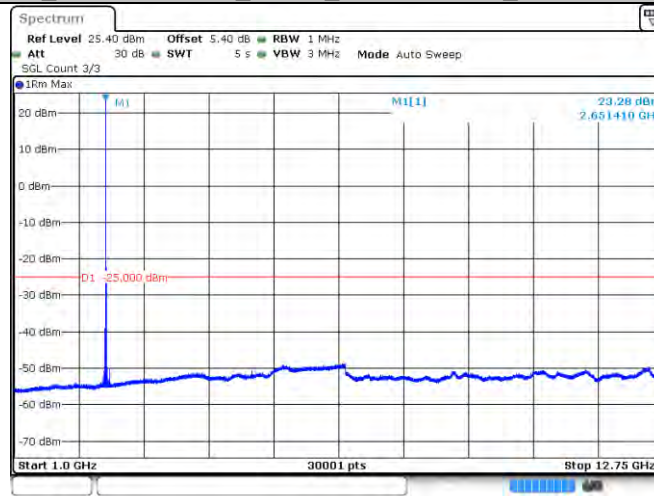
LTE Band CA_41C_100RB+100RB_QPSK_41292+41490_1RB#0+0RB#0_30_100





Date: 2 JAN 2020 12:13:55

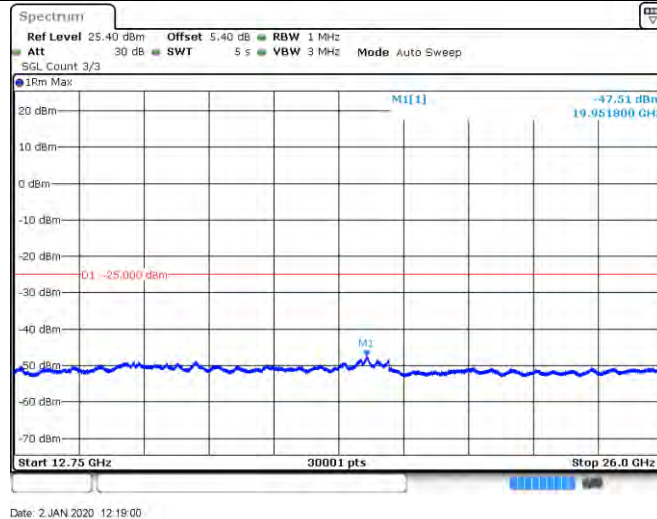
LTE Band CA_41C_100RB+100RB_QPSK_41292+41490_1RB#0+0RB#0_1000_12750



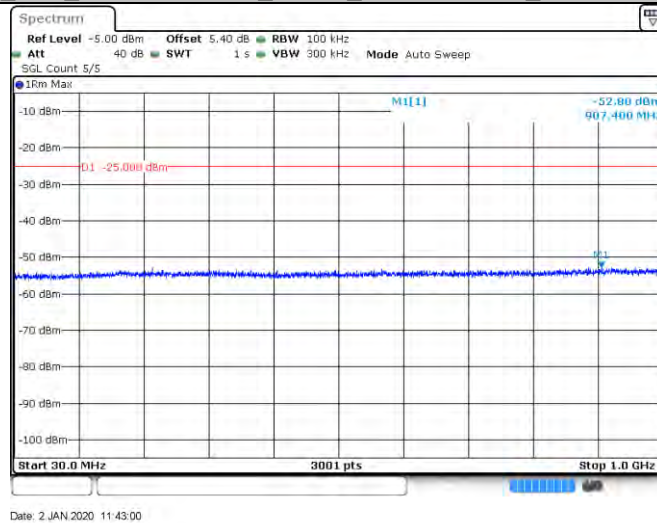
Date: 2 JAN 2020 12:16:17

LTE Band CA_41C_100RB+100RB_QPSK_41292+41490_1RB#0+0RB#0_12750_26000





LTE Band CA_41C_100RB+100RB_QPSK_39948+39750_1RB#0+0RB#0_30_1000

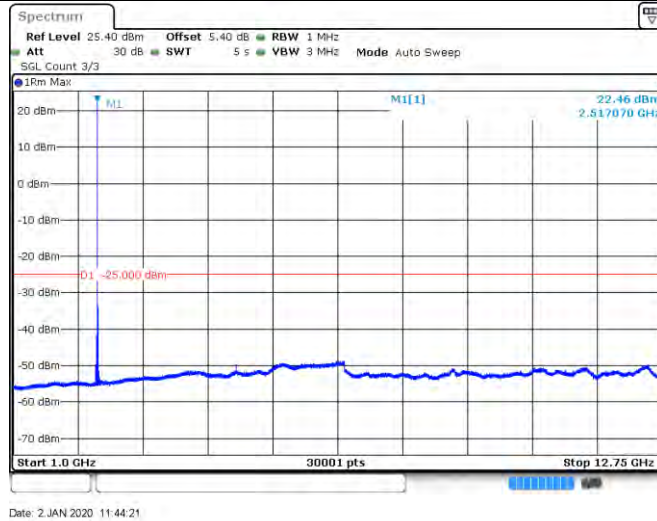


LTE Band CA_41C_100RB+100RB_QPSK_39948+39750_1RB#0+0RB#0_1000_12750

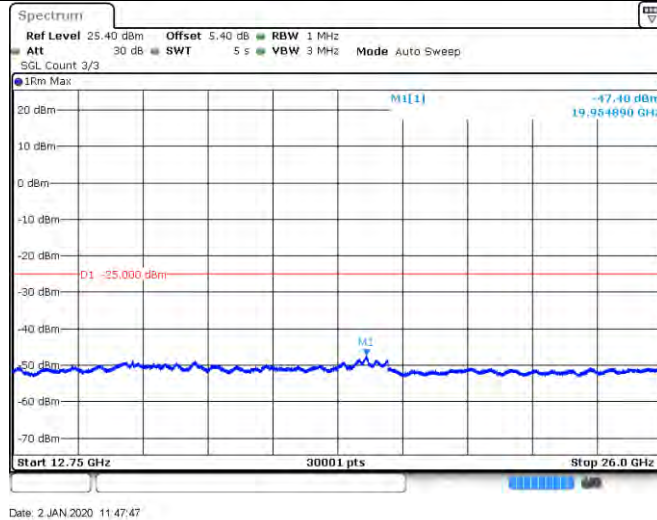


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

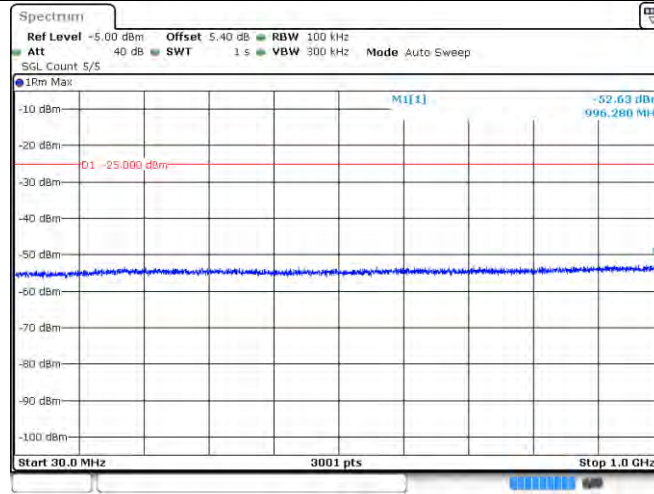


LTE Band CA_41C_100RB+100RB_QPSK_39948+39750_1RB#0+0RB#0_12750_26000



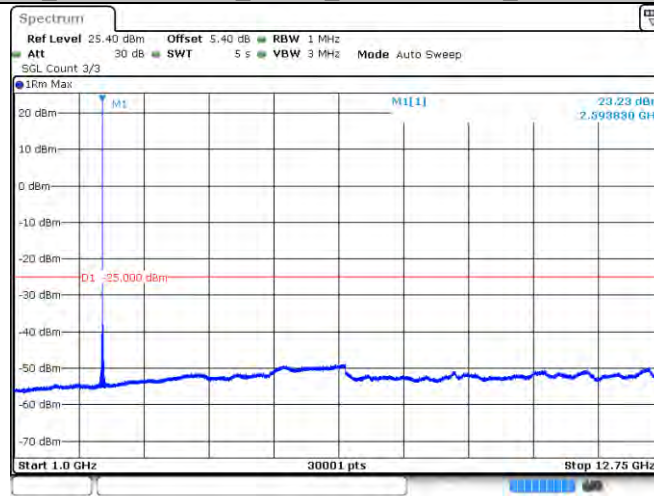
LTE Band CA_41C_100RB+100RB_QPSK_40719+40521_1RB#0+0RB#0_30_100





Date: 2 JAN 2020 11:43:24

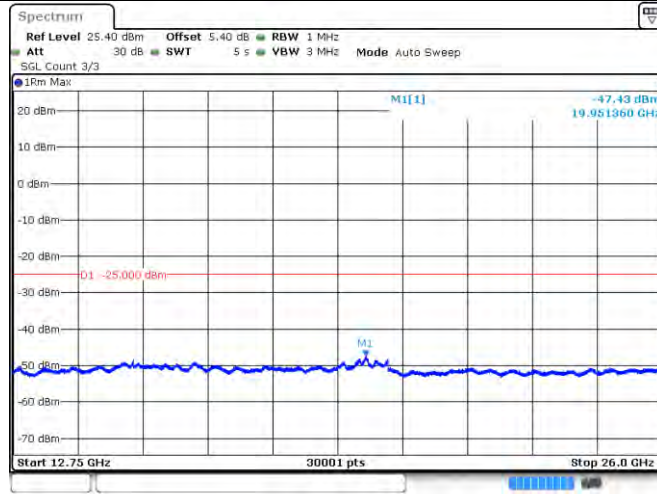
LTE Band CA_41C_100RB+100RB_QPSK_40719+40521_1RB#0+0RB#0_1000_12750



Date: 2 JAN 2020 11:45:15

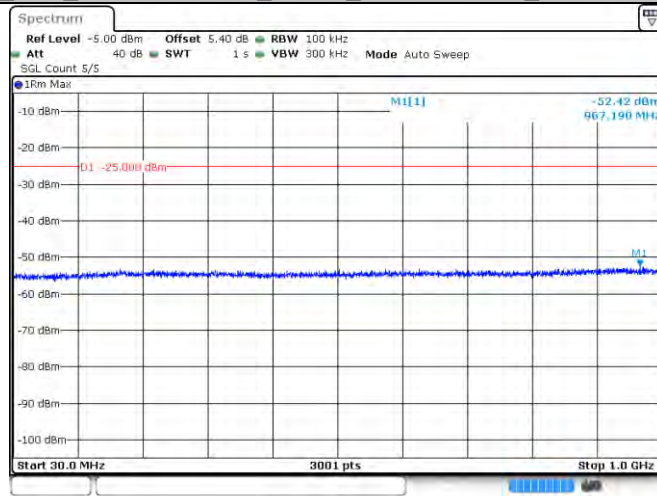
LTE Band CA_41C_100RB+100RB_QPSK_40719+40521_1RB#0+0RB#0_12750_26000





Date: 2 JAN 2020 11:48:41

LTE Band CA_41C_100RB+100RB_QPSK_41490+41292_1RB#0+0RB#0_30_1000



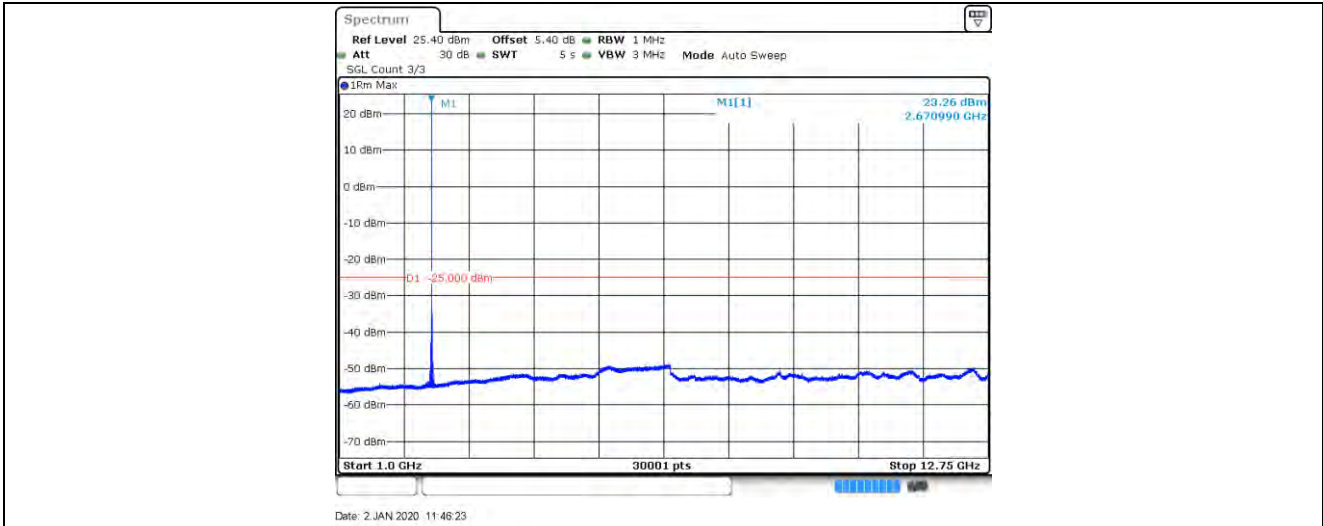
Date: 2 JAN 2020 11:43:47

LTE Band CA_41C_100RB+100RB_QPSK_41490+41292_1RB#0+0RB#0_1000_12750

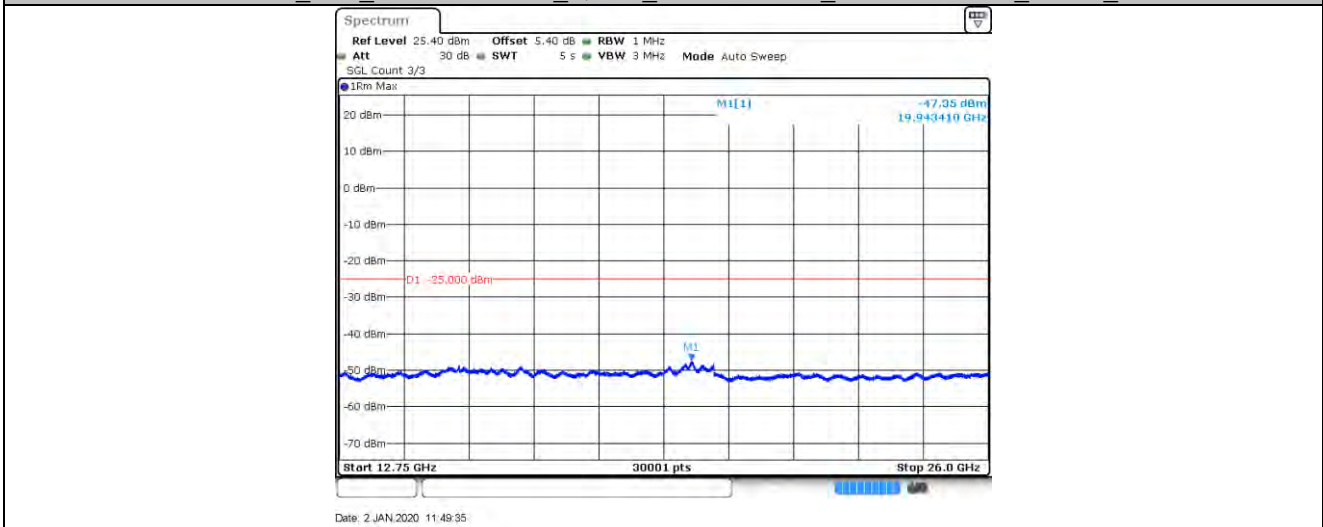


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

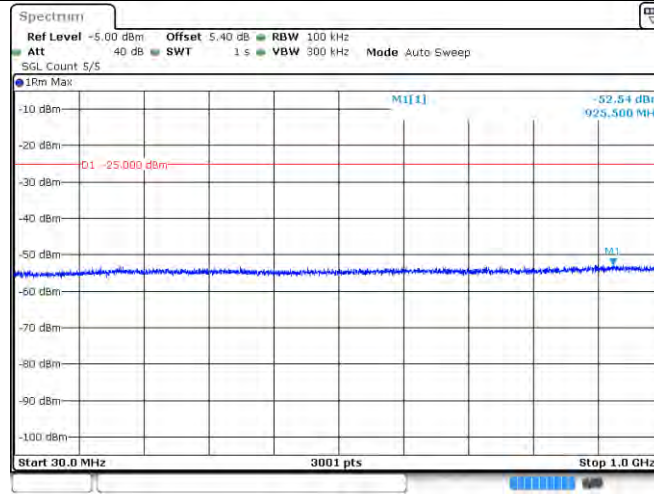


LTE Band CA_41C_100RB+100RB_QPSK_41490+41292_1RB#0+0RB#0_12750_26000



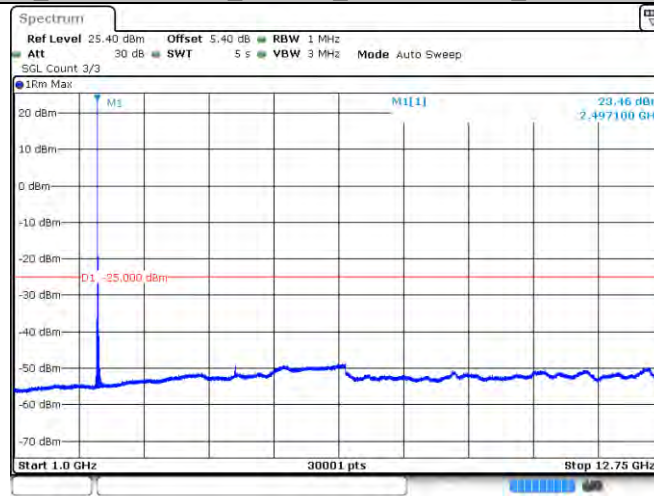
LTE Band CA_41C_100RB+100RB_16QAM_39750+39948_1RB#0+0RB#0_30_1000





Date: 2 JAN 2020 12:13:13

LTE Band CA_41C_100RB+100RB_16QAM_39750+39948_1RB#0+0RB#0_1000_12750



Date: 2 JAN 2020 12:14:45

LTE Band CA_41C_100RB+100RB_16QAM_39750+39948_1RB#0+0RB#0_12750_26000

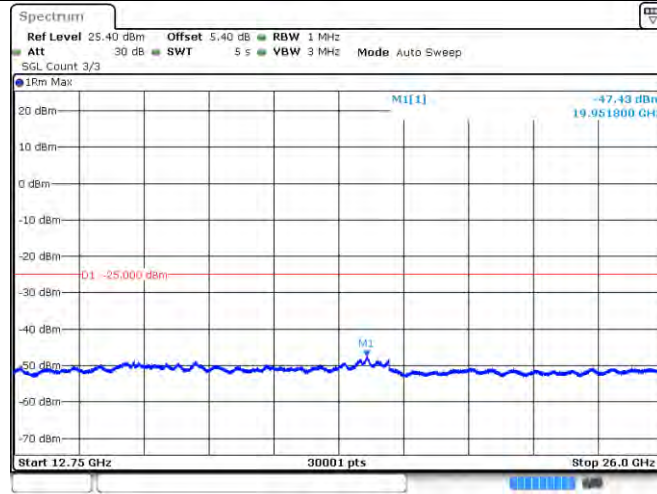


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (China) Testing Laboratory

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-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.

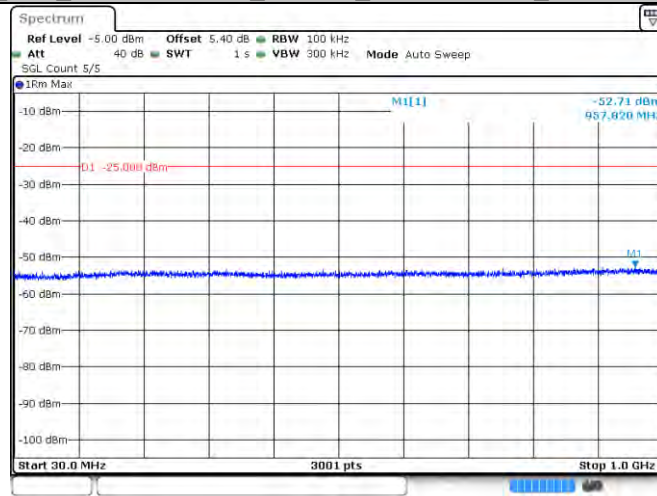
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 2 JAN 2020 12:17:28

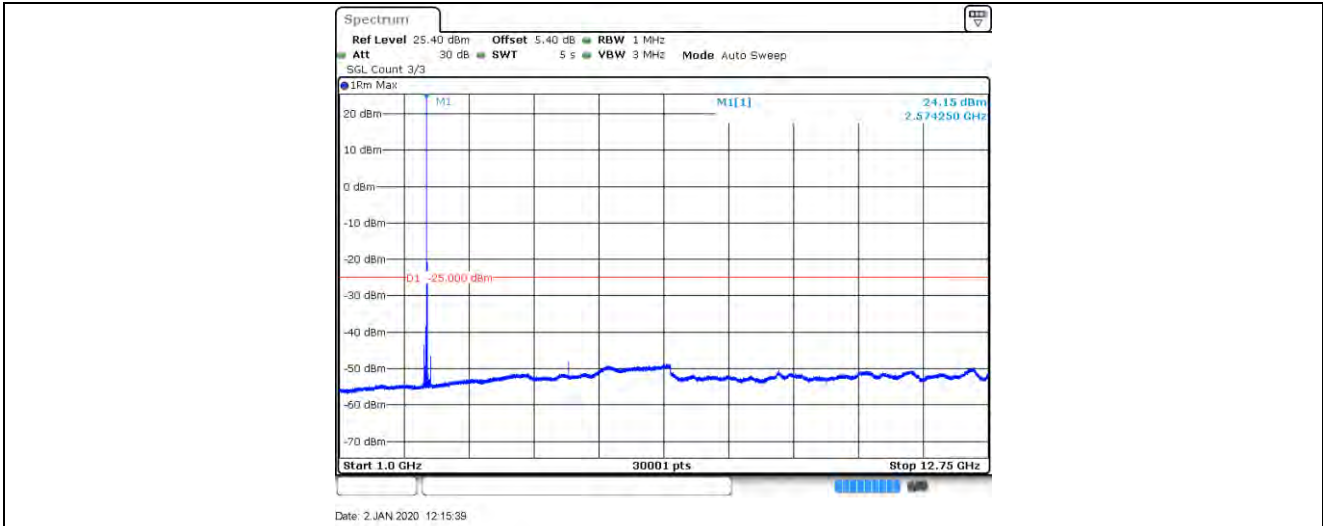
LTE Band CA_41C_100RB+100RB_16QAM_40521+40719_1RB#0+0RB#0_30_1000



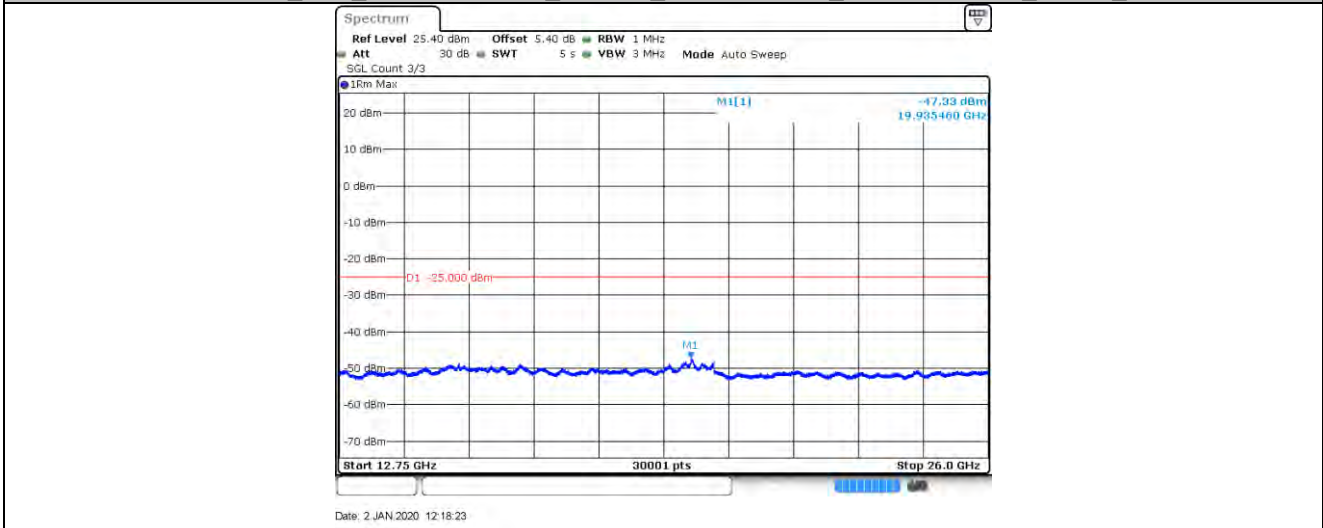
Date: 2 JAN 2020 12:13:37

LTE Band CA_41C_100RB+100RB_16QAM_40521+40719_1RB#0+0RB#0_1000_12750



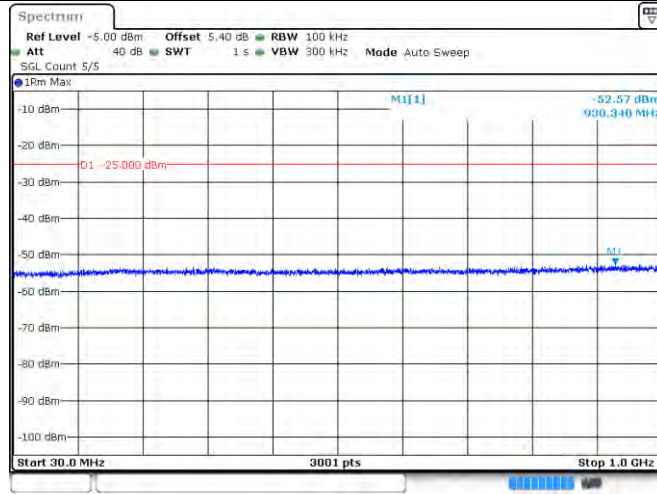


LTE Band CA_41C_100RB+100RB_16QAM_40521+40719_1RB#0+0RB#0_12750_26000



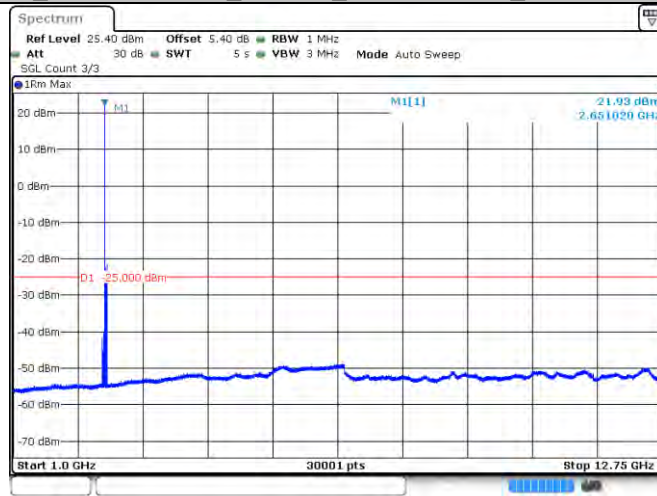
LTE Band CA_41C_100RB+100RB_16QAM_41292+41490_1RB#0+0RB#0_30_1000





Date: 2 JAN 2020 12:14:01

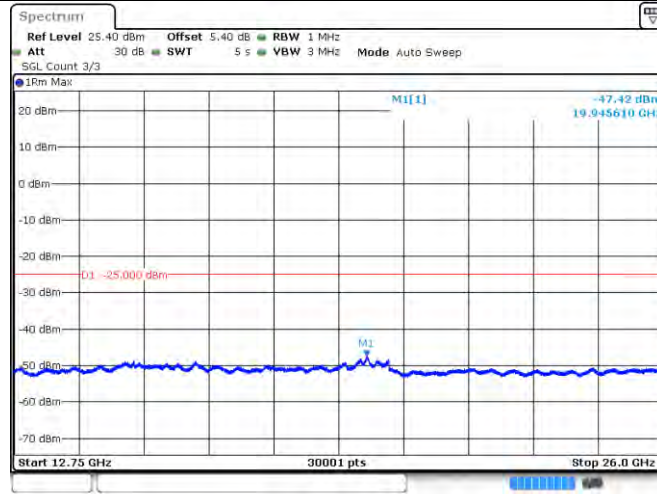
LTE Band CA_41C_100RB+100RB_16QAM_41292+41490_1RB#0+0RB#0_1000_12750



Date: 2 JAN 2020 12:16:34

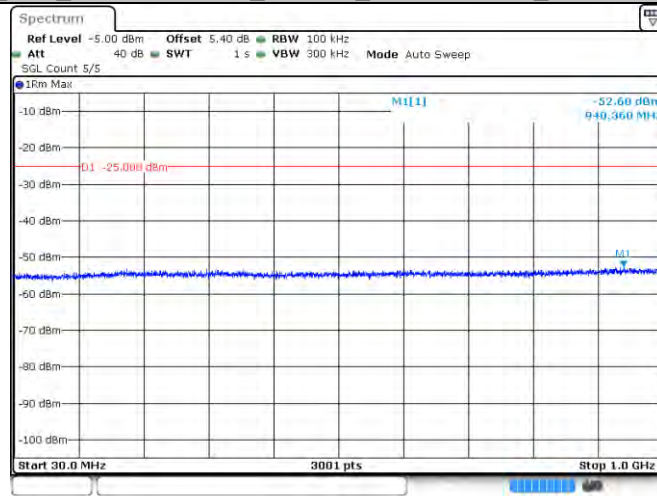
LTE Band CA_41C_100RB+100RB_16QAM_41292+41490_1RB#0+0RB#0_12750_26000





Date: 2 JAN 2020 12:19:17

LTE Band CA_41C_100RB+100RB_16QAM_39948+39750_1RB#0+0RB#0_30_1000



Date: 2 JAN 2020 11:43:06

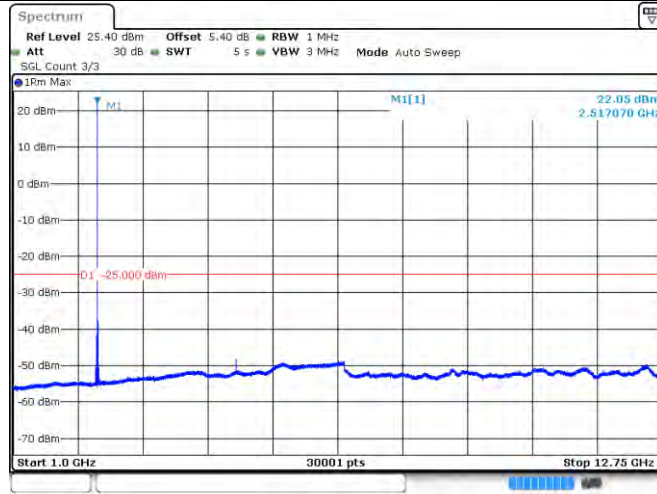
LTE Band CA_41C_100RB+100RB_16QAM_39948+39750_1RB#0+0RB#0_1000_12750



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

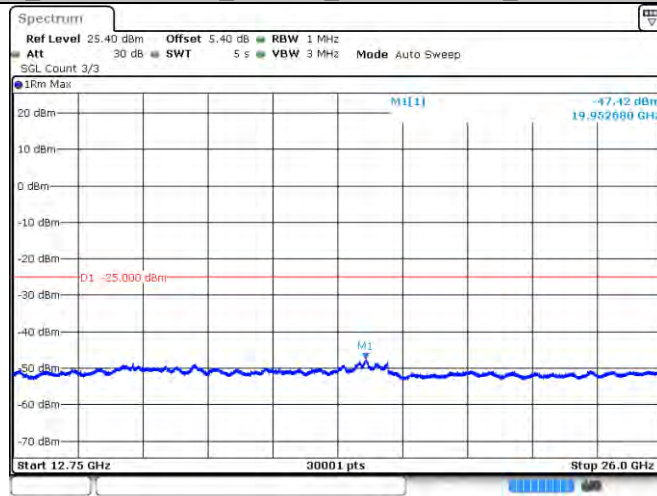
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 2 JAN 2020 11:44:38

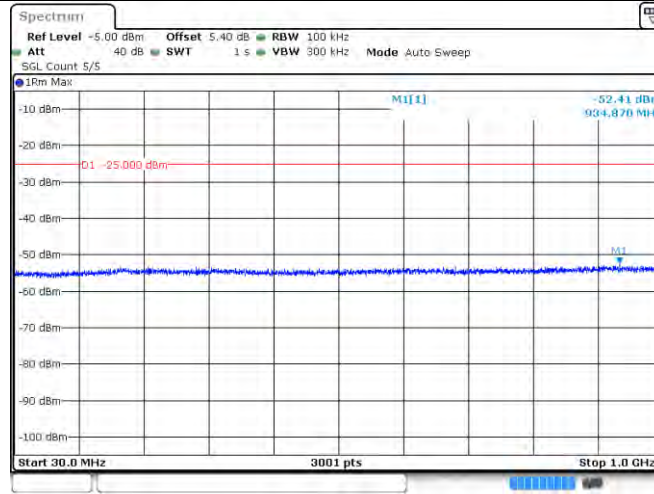
LTE Band CA_41C_100RB+100RB_16QAM_39948+39750_1RB#0+0RB#0_12750_26000



Date: 2 JAN 2020 11:48:03

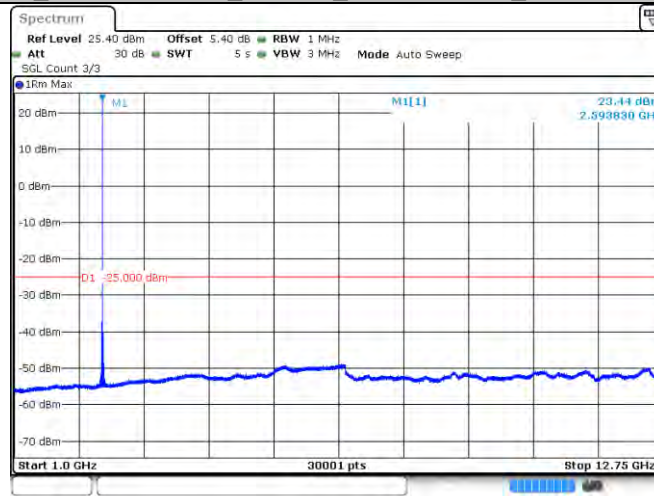
LTE Band CA_41C_100RB+100RB_16QAM_40719+40521_1RB#0+0RB#0_30_1000





Date: 2 JAN 2020 11:43:31

LTE Band CA_41C_100RB+100RB_16QAM_40719+40521_1RB#0+0RB#0_1000_12750



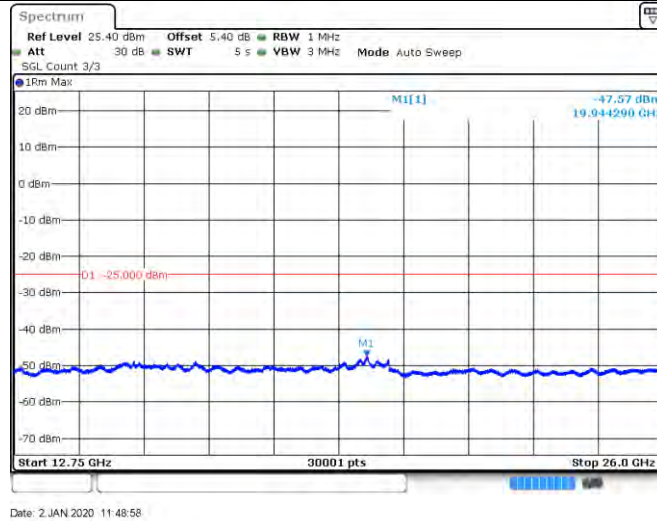
Date: 2 JAN 2020 11:45:32

LTE Band CA_41C_100RB+100RB_16QAM_40719+40521_1RB#0+0RB#0_12750_26000

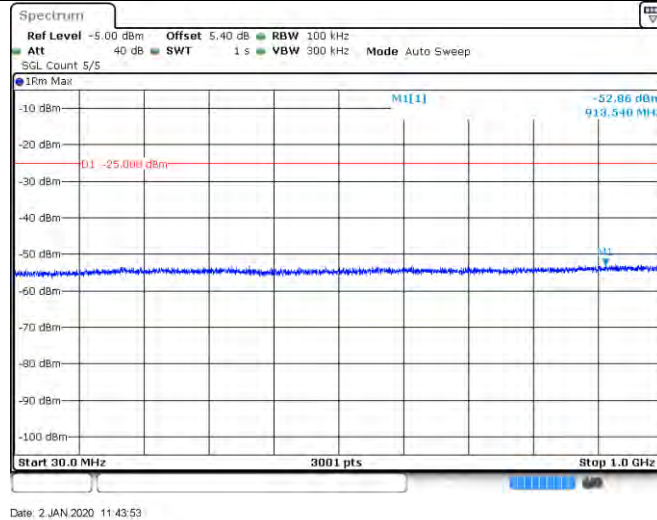


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

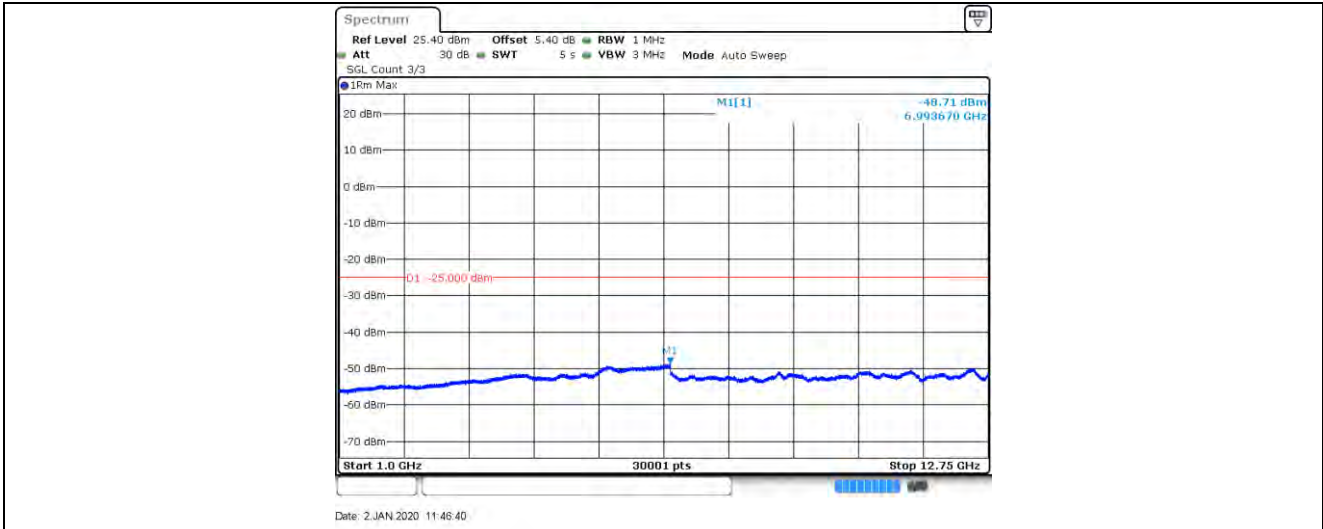


LTE Band CA_41C_100RB+100RB_16QAM_41490+41292_1RB#0+0RB#0_30_1000

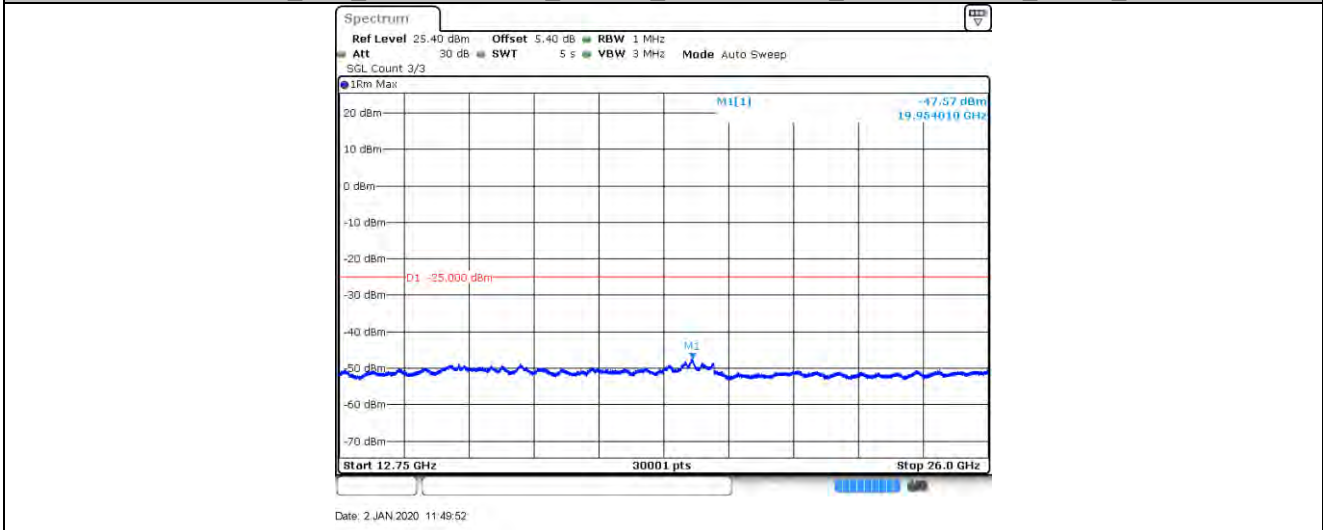


LTE Band CA_41C_100RB+100RB_16QAM_41490+41292_1RB#0+0RB#0_1000_12750



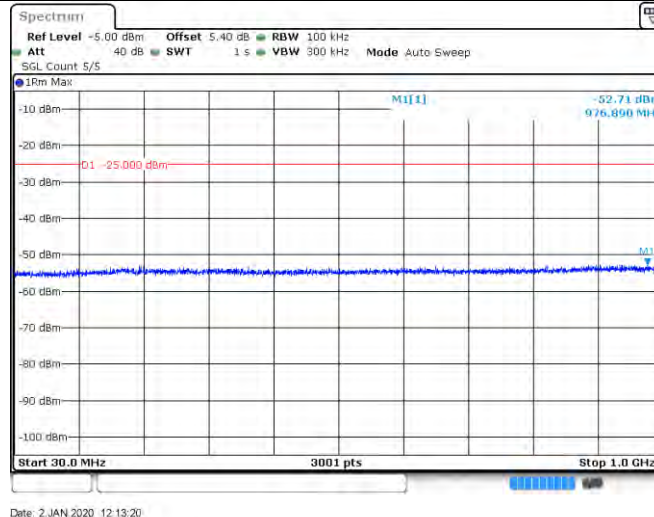


LTE Band CA_41C_100RB+100RB_16QAM_41490+41292_1RB#0+0RB#0_12750_26000



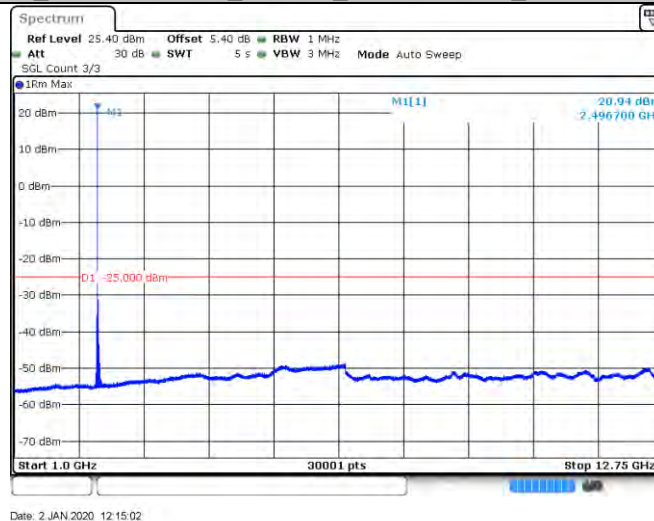
LTE Band CA_41C_100RB+100RB_64QAM_39750+39948_1RB#0+0RB#0_30_1000





Date: 2 JAN 2020 12:13:20

LTE Band CA_41C_100RB+100RB_64QAM_39750+39948_1RB#0+0RB#0_1000_12750



Date: 2 JAN 2020 12:15:02

LTE Band CA_41C_100RB+100RB_64QAM_39750+39948_1RB#0+0RB#0_12750_26000

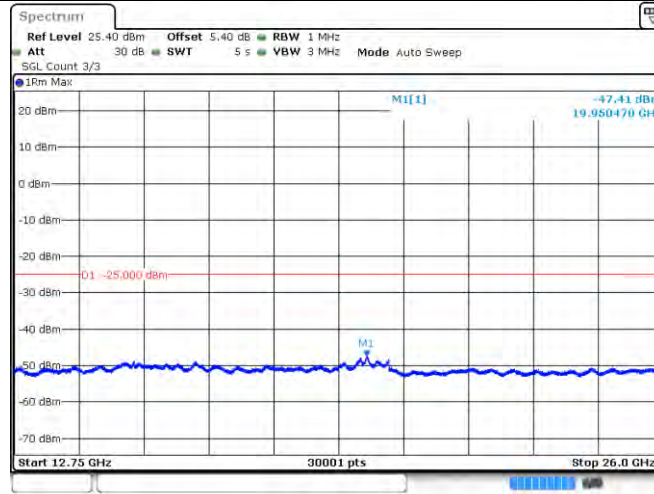


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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.

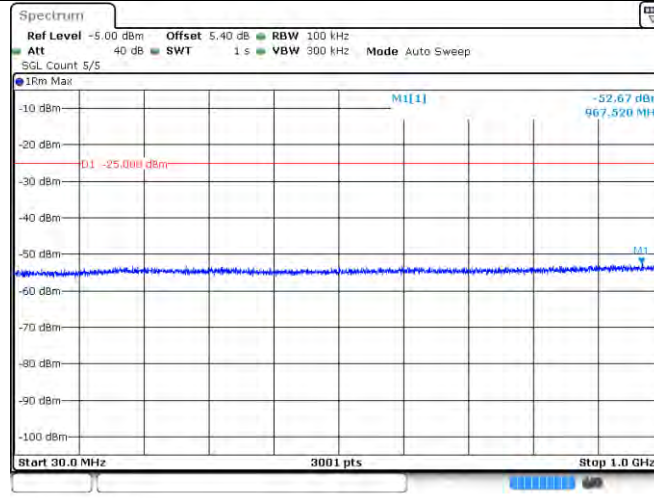
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 2 JAN 2020 12:17:46

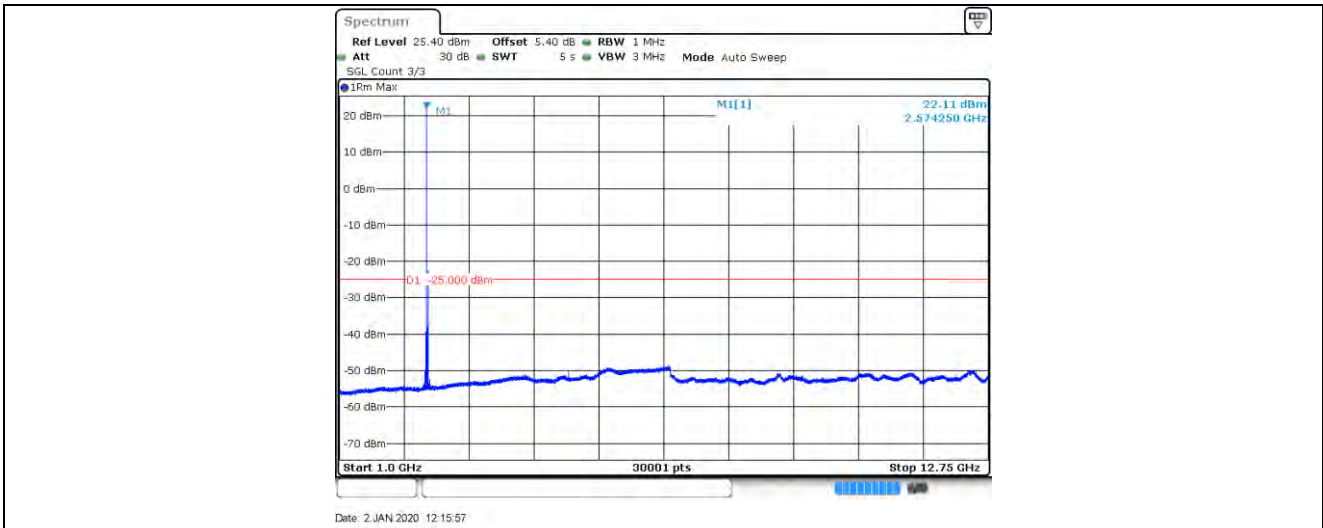
LTE Band CA_41C_100RB+100RB_64QAM_40521+40719_1RB#0+0RB#0_30_1000



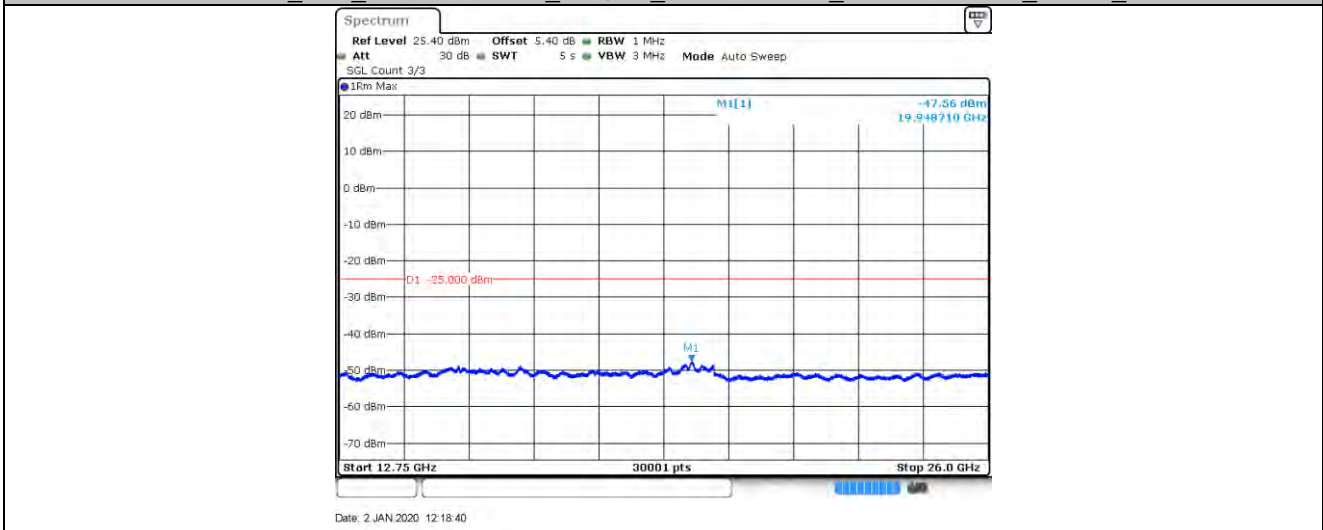
Date: 2 JAN 2020 12:13:43

LTE Band CA_41C_100RB+100RB_64QAM_40521+40719_1RB#0+0RB#0_1000_12750



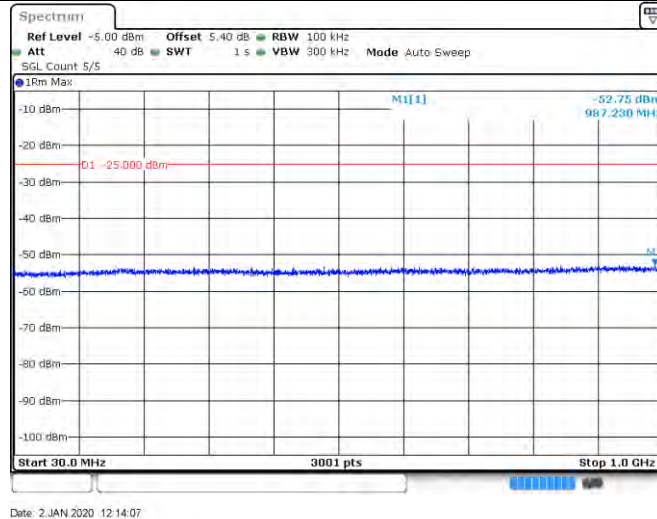


LTE Band CA_41C_100RB+100RB_64QAM_40521+40719_1RB#0+0RB#0_12750_26000

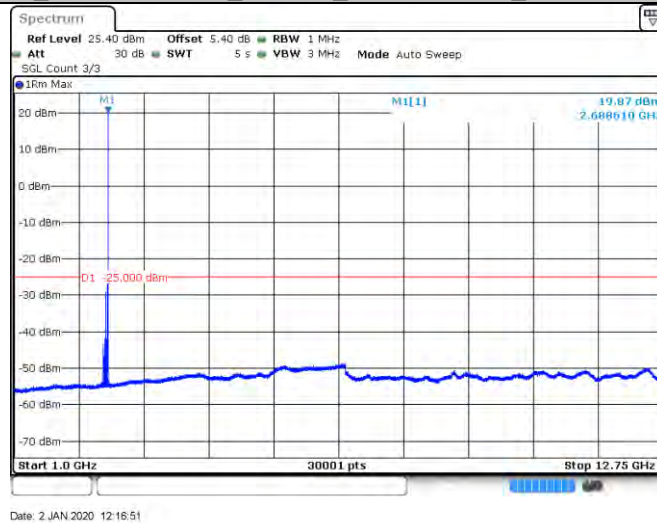


LTE Band CA_41C_100RB+100RB_64QAM_41292+41490_1RB#0+0RB#0_30_1000



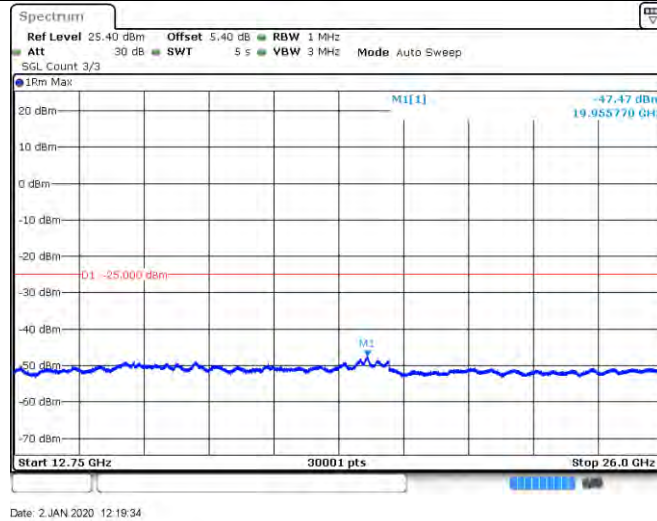


LTE Band CA_41C_100RB+100RB_64QAM_41292+41490_1RB#0+0RB#0_1000_12750

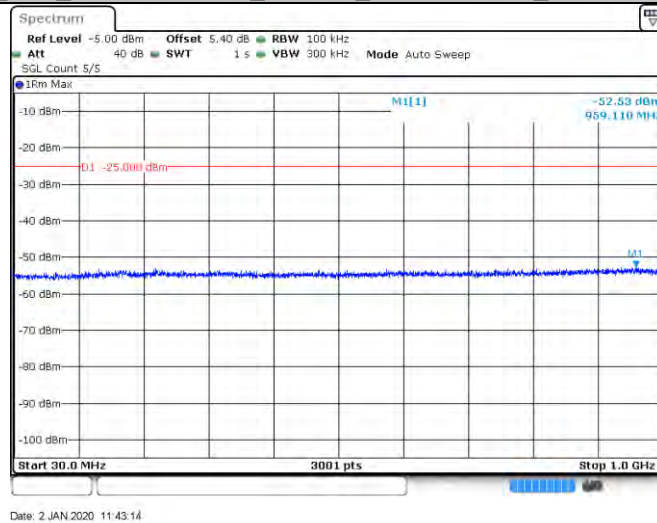


LTE Band CA_41C_100RB+100RB_64QAM_41292+41490_1RB#0+0RB#0_12750_26000



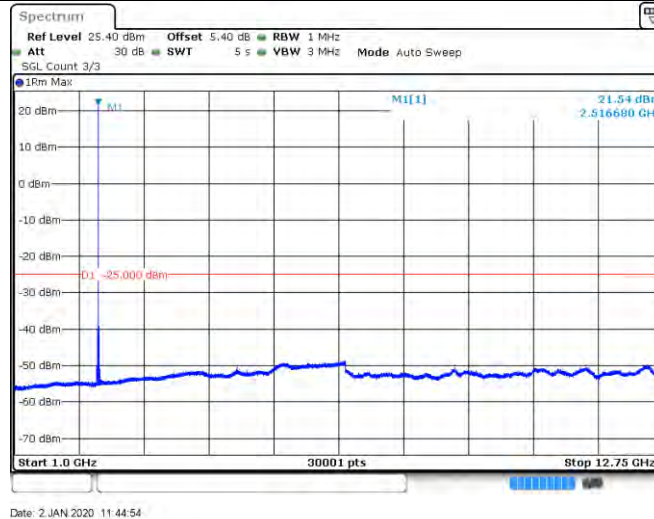


LTE Band CA_41C_100RB+100RB_64QAM_39948+39750_1RB#0+0RB#0_30_1000

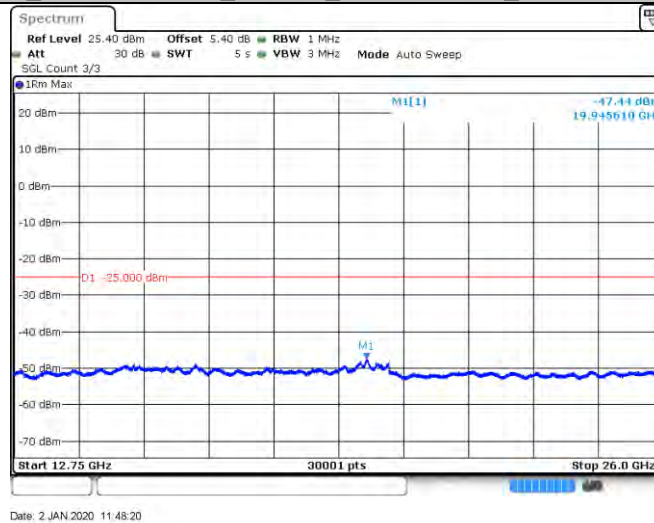


LTE Band CA_41C_100RB+100RB_64QAM_39948+39750_1RB#0+0RB#0_1000_12750





LTE Band CA_41C_100RB+100RB_64QAM_39948+39750_1RB#0+0RB#0_12750_26000

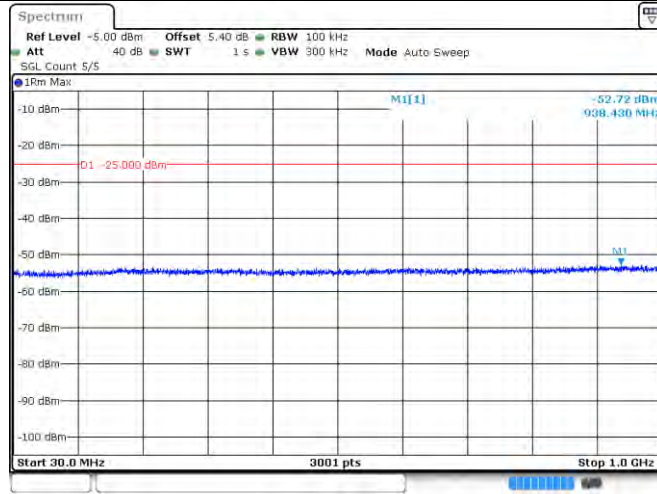


LTE Band CA_41C_100RB+100RB_64QAM_40719+40521_1RB#0+0RB#0_30_1000



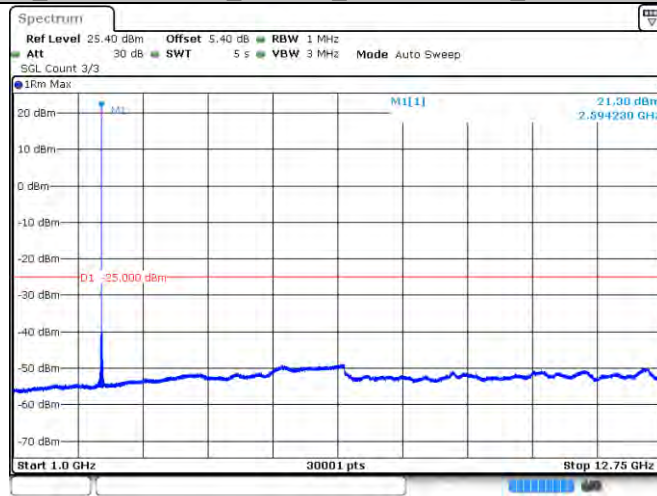
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 2 JAN 2020 11:43:37

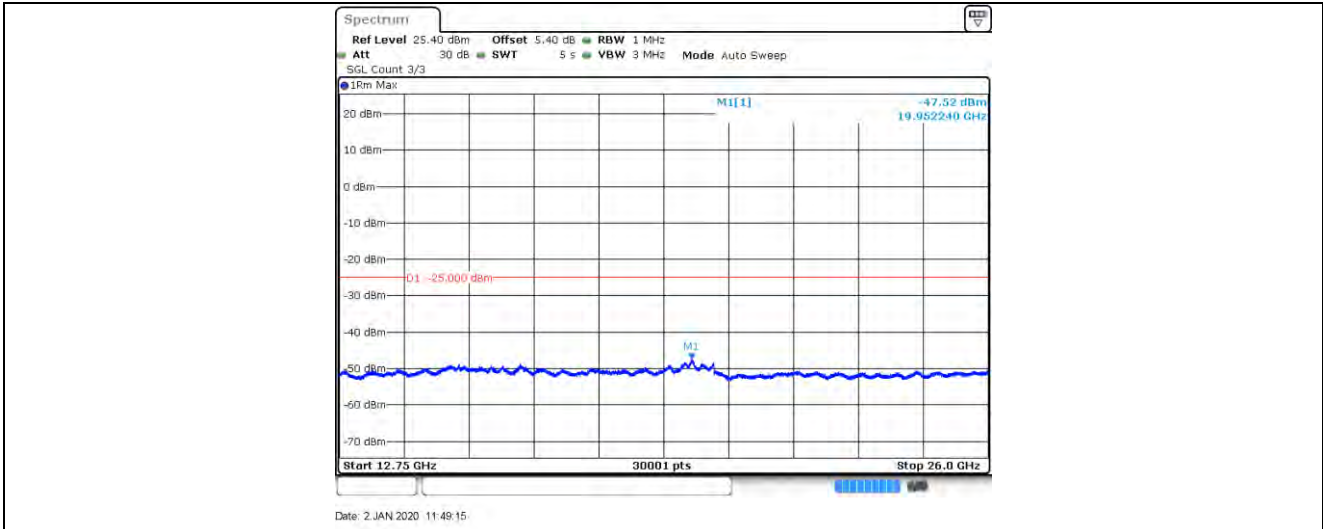
LTE Band CA_41C_100RB+100RB_64QAM_40719+40521_1RB#0+0RB#0_1000_12750



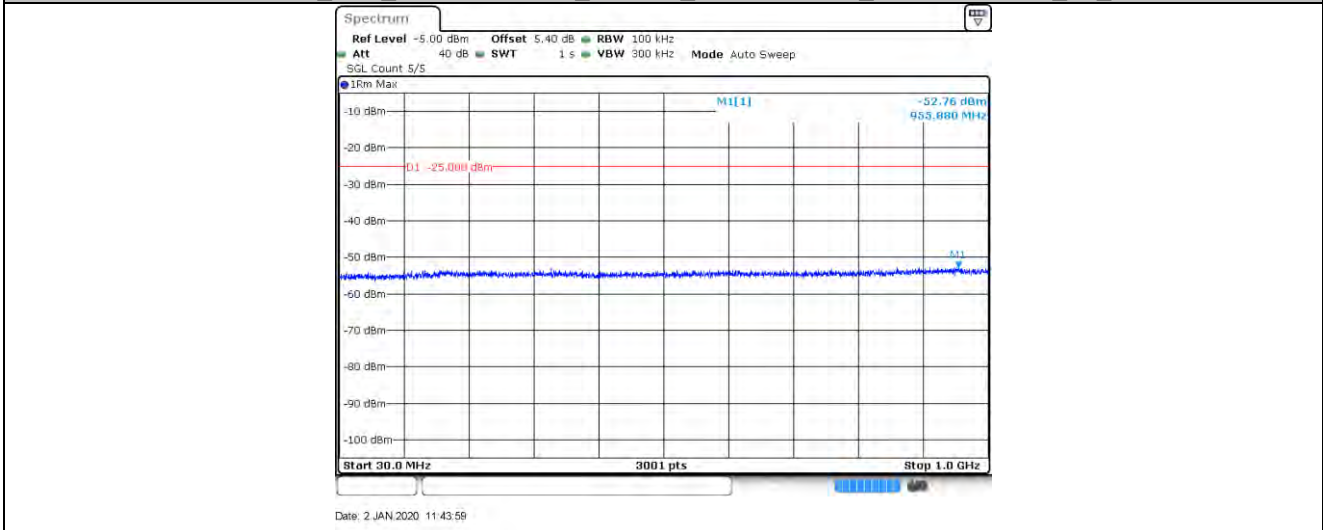
Date: 2 JAN 2020 11:45:49

LTE Band CA_41C_100RB+100RB_64QAM_40719+40521_1RB#0+0RB#0_12750_26000



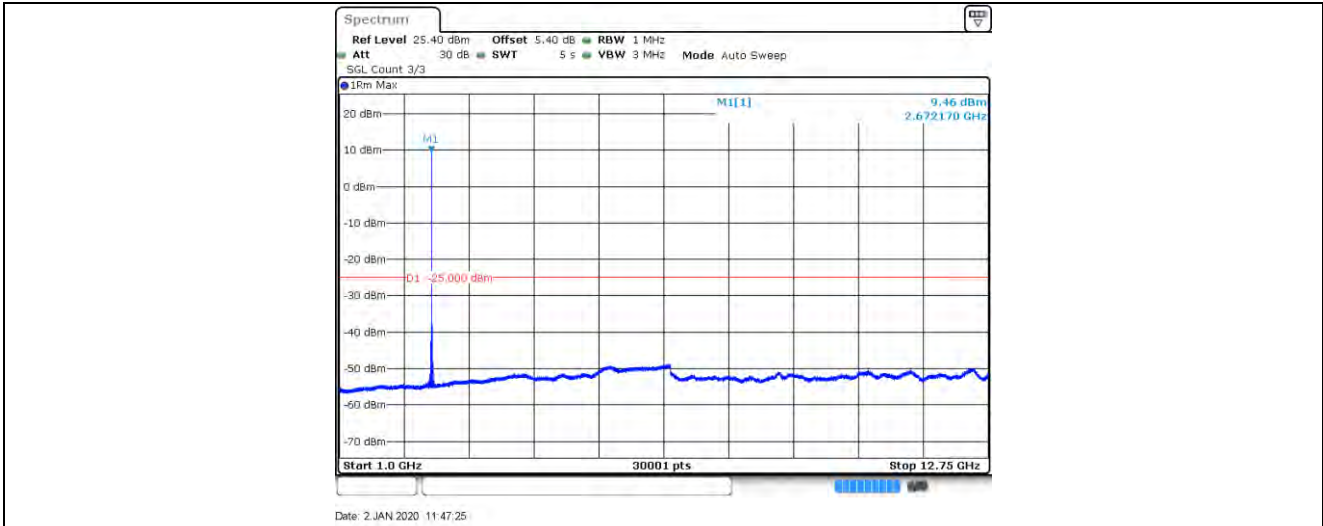


LTE Band CA_41C_100RB+100RB_64QAM_41490+41292_1RB#0+0RB#0_30_1000

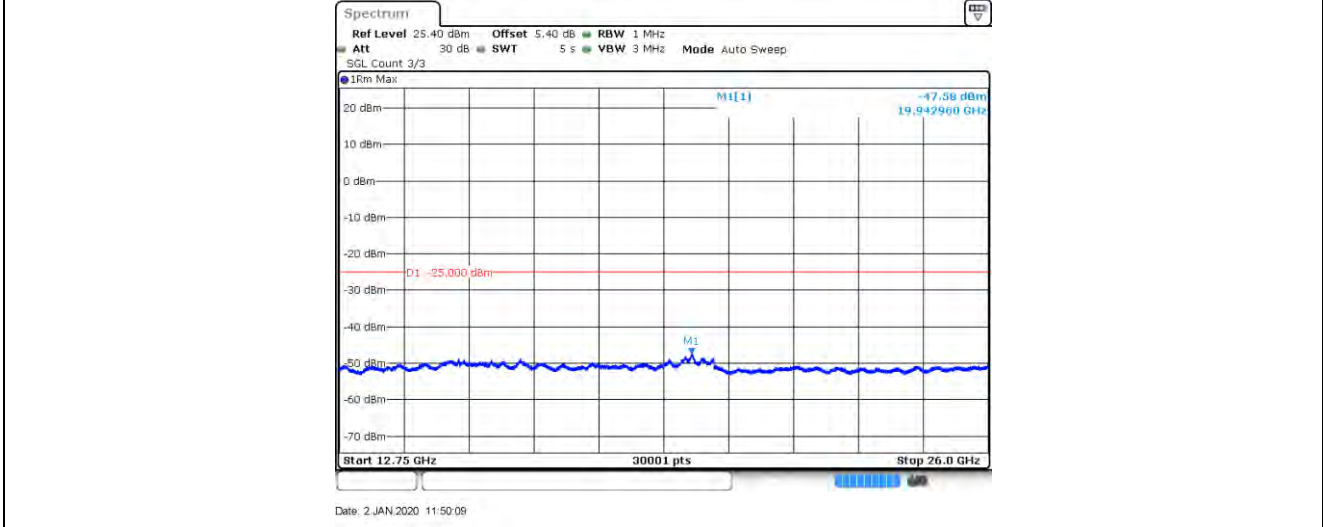


LTE Band CA_41C_100RB+100RB_64QAM_41490+41292_1RB#0+0RB#0_1000_12750





LTE Band CA_41C_100RB+100RB_64QAM_41490+41292_1RB#0+0RB#0_12750_26000



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.

7 Field Strength of Spurious Radiation

7.1 For LTE UL CA

7.1.1 Test Band = LTE Band CA_41C (Ant0)

7.1.1.1 Test Mode =LTE/QPSK

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.6826	-71.63	-25.00	46.63	Vertical
109.7012	-64.49	-25.00	39.49	Vertical
536.6426	-65.76	-25.00	40.76	Vertical
1638.5174	-44.14	-25.00	19.14	Vertical
8018.8973	-55.32	-25.00	30.32	Vertical
17998.7499	-39.69	-25.00	14.69	Vertical
44.1268	-63.43	-25.00	38.43	Horizontal
237.4397	-68.01	-25.00	43.01	Horizontal
559.4497	-64.92	-25.00	39.92	Horizontal
1792.6571	-42.78	-25.00	17.78	Horizontal
8013.6130	-55.70	-25.00	30.70	Horizontal
16388.2677	-43.58	-25.00	18.58	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.1255	-72.29	-25.00	47.29	Vertical
107.7682	-64.79	-25.00	39.79	Vertical
632.4724	-63.61	-25.00	38.61	Vertical
1746.6164	-43.29	-25.00	18.29	Vertical
8003.2250	-55.00	-25.00	30.00	Vertical
17993.0596	-39.65	-25.00	14.65	Vertical
41.4042	-63.92	-25.00	38.92	Horizontal
228.8468	-68.83	-25.00	43.83	Horizontal
661.7897	-63.59	-25.00	38.59	Horizontal
1609.6068	-44.51	-25.00	19.51	Horizontal
9077.1421	-53.56	-25.00	28.56	Horizontal
16390.6971	-43.77	-25.00	18.77	Horizontal



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

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.0168	-72.46	-25.00	47.46	Vertical
109.7877	-64.80	-25.00	39.80	Vertical
417.3517	-67.94	-25.00	42.94	Vertical
1785.2444	-43.30	-25.00	18.30	Vertical
7365.2777	-55.45	-25.00	30.45	Vertical
17995.9029	-40.21	-25.00	15.21	Vertical
41.7961	-63.94	-25.00	38.94	Horizontal
237.4836	-67.08	-25.00	42.08	Horizontal
493.1269	-66.59	-25.00	41.59	Horizontal
2078.2270	-41.48	-25.00	16.48	Horizontal
8014.5250	-55.42	-25.00	30.42	Horizontal
16375.6023	-43.80	-25.00	18.80	Horizontal

7.1.2 Test Band = LTE Band CA_41C (Ant2)

7.1.2.1 Test Mode =LTE/QPSK

7.1.2.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.0697	-71.23	-25.00	46.23	Vertical
109.9183	-64.59	-25.00	39.59	Vertical
537.0701	-65.48	-25.00	40.48	Vertical
1638.7135	-43.67	-25.00	18.67	Vertical
8018.9962	-54.67	-25.00	29.67	Vertical
17998.8391	-39.54	-25.00	14.54	Vertical
44.8281	-63.09	-25.00	38.09	Horizontal
237.3754	-67.53	-25.00	42.53	Horizontal
559.5548	-64.15	-25.00	39.15	Horizontal
1793.0652	-42.61	-25.00	17.61	Horizontal
8013.6752	-55.24	-25.00	30.24	Horizontal
16388.4030	-43.35	-25.00	18.35	Horizontal



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

7.1.2.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.0179	-71.96	-25.00	46.96	Vertical
108.4024	-64.76	-25.00	39.76	Vertical
632.4522	-63.06	-25.00	38.06	Vertical
1746.8944	-43.26	-25.00	18.26	Vertical
8003.5667	-55.01	-25.00	30.01	Vertical
17993.4266	-39.48	-25.00	14.48	Vertical
41.9306	-63.44	-25.00	38.44	Horizontal
228.8826	-68.35	-25.00	43.35	Horizontal
662.2169	-63.37	-25.00	38.37	Horizontal
1609.6528	-43.83	-25.00	18.83	Horizontal
9077.0466	-53.13	-25.00	28.13	Horizontal
16390.7718	-43.19	-25.00	18.19	Horizontal

7.1.2.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.1208	-71.90	-25.00	46.90	Vertical
110.4640	-64.28	-25.00	39.28	Vertical
417.7488	-67.41	-25.00	42.41	Vertical
1785.3534	-42.90	-25.00	17.90	Vertical
7365.9822	-55.39	-25.00	30.39	Vertical
17995.9116	-39.65	-25.00	14.65	Vertical
42.0643	-63.49	-25.00	38.49	Horizontal
237.3346	-66.63	-25.00	41.63	Horizontal
493.5786	-66.75	-25.00	41.75	Horizontal
2078.4824	-41.20	-25.00	16.20	Horizontal
8014.9240	-54.99	-25.00	29.99	Horizontal
16376.0748	-43.32	-25.00	18.32	Horizontal



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

7.1.3 Test Band = LTE Band CA_41C (Ant3)

7.1.3.1 Test Mode =LTE/QPSK

7.1.3.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
45.4150	-72.69	-25.00	47.69	Vertical
112.4982	-65.43	-25.00	40.43	Vertical
588.4870	-63.59	-25.00	38.59	Vertical
1693.9760	-44.06	-25.00	19.06	Vertical
7995.2407	-55.63	-25.00	30.63	Vertical
17997.6928	-39.50	-25.00	14.50	Vertical
42.1549	-63.94	-25.00	38.94	Horizontal
243.6755	-68.35	-25.00	43.35	Horizontal
591.9658	-63.28	-25.00	38.28	Horizontal
1813.1136	-43.03	-25.00	18.03	Horizontal
7459.4416	-55.94	-25.00	30.94	Horizontal
16378.3527	-43.88	-25.00	18.88	Horizontal

7.1.3.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.3382	-72.92	-25.00	47.92	Vertical
111.2550	-64.21	-25.00	39.21	Vertical
460.6045	-66.79	-25.00	41.79	Vertical
1689.5936	-43.53	-25.00	18.53	Vertical
7484.3201	-56.19	-25.00	31.19	Vertical
17998.4334	-40.20	-25.00	15.20	Vertical
45.5093	-63.87	-25.00	38.87	Horizontal
231.5947	-68.34	-25.00	43.34	Horizontal
508.3520	-65.50	-25.00	40.50	Horizontal
1604.0566	-44.30	-25.00	19.30	Horizontal
7472.4935	-56.28	-25.00	31.28	Horizontal
16396.6181	-43.89	-25.00	18.89	Horizontal



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

7.1.3.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.3363	-72.17	-25.00	47.17	Vertical
111.3996	-64.64	-25.00	39.64	Vertical
377.7967	-67.04	-25.00	42.04	Vertical
1789.4193	-43.56	-25.00	18.56	Vertical
7420.5526	-55.62	-25.00	30.62	Vertical
17999.4153	-39.37	-25.00	14.37	Vertical
42.4880	-63.86	-25.00	38.86	Horizontal
244.2412	-68.10	-25.00	43.10	Horizontal
827.7984	-58.21	-25.00	33.21	Horizontal
1799.1386	-42.70	-25.00	17.70	Horizontal
7446.6261	-56.06	-25.00	31.06	Horizontal
16381.3844	-43.70	-25.00	18.70	Horizontal

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 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



8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	TN	NV	-4.04	-0.001613	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	TN	NV	13.49	0.005221	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	TN	NV	-3.21	-0.001207	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	TN	NV	-1.72	-0.000681	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	TN	NV	-14.80	-0.005686	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	TN	NV	-2.25	-0.000840	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	TN	NV	7.28	0.002906	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	TN	NV	10.56	0.004090	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	TN	NV	13.33	0.005012	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	TN	NV	1.20	0.000474	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	TN	NV	-10.88	-0.004180	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	TN	NV	11.55	0.004311	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	TN	NV	4.57	0.001823	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	TN	NV	-10.02	-0.003879	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	TN	NV	13.14	0.004941	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	TN	NV	4.58	0.001812	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	TN	NV	4.01	0.001539	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	TN	NV	1.54	0.000575	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_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	-30	-12.38	-0.004844	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	-20	9.79	0.003833	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	-10	-1.40	-0.000549	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	0	5.69	0.002228	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	10	-10.49	-0.004106	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	20	4.25	0.001663	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	30	-1.88	-0.000736	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	40	11.95	0.004676	PASS
CA_41C	QPSK	40240+40438	100RB#0/100RB#0	NV	50	-9.98	-0.003907	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	-30	0.57	0.000220	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	-20	-4.06	-0.001566	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	-10	6.05	0.002336	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	0	-6.19	-0.002392	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	10	-2.69	-0.001037	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	20	-9.89	-0.003817	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	30	-6.15	-0.002374	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-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_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	40	-9.99	-0.003855	PASS
CA_41C	QPSK	40591+40789	100RB#0/100RB#0	NV	50	-3.01	-0.001162	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	-30	14.76	0.005622	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	-20	0.44	0.000169	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	-10	13.88	0.005285	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	0	6.35	0.002420	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	10	2.65	0.001010	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	20	6.94	0.002642	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	30	-0.55	-0.000209	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	40	-1.71	-0.000652	PASS
CA_41C	QPSK	40942+41140	100RB#0/100RB#0	NV	50	5.36	0.002043	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	-30	-8.43	-0.003275	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	-20	-2.42	-0.000940	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	-10	14.80	0.005748	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	0	-4.96	-0.001928	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	10	-2.38	-0.000923	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	20	8.75	0.003397	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	30	-9.33	-0.003624	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	40	8.98	0.003487	PASS
CA_41C	QPSK	40438+40240	100RB#0/100RB#0	NV	50	6.30	0.002447	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	-30	-8.27	-0.003168	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	-20	-10.04	-0.003846	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	-10	-9.58	-0.003671	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	0	-12.99	-0.004977	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	10	-15.29	-0.005860	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	20	2.66	0.001020	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	30	-3.88	-0.001486	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	40	6.15	0.002358	PASS
CA_41C	QPSK	40789+40591	100RB#0/100RB#0	NV	50	-7.63	-0.002924	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	-30	5.99	0.002266	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	-20	-2.29	-0.000867	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	-10	1.93	0.000730	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	0	13.95	0.005274	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	10	14.99	0.005667	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	20	2.45	0.000927	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	30	9.25	0.003496	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	40	-1.09	-0.000411	PASS
CA_41C	QPSK	41140+40942	100RB#0/100RB#0	NV	50	-8.16	-0.003087	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	-30	11.31	0.004427	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	-20	3.80	0.001486	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	-10	-10.94	-0.004281	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	0	-13.72	-0.005370	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	10	-10.01	-0.003918	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	20	6.24	0.002440	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_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	30	-15.25	-0.005968	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	40	1.78	0.000696	PASS
CA_41C	16QAM	40240+40438	100RB#0/100RB#0	NV	50	-8.13	-0.003180	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	-30	8.08	0.003118	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	-20	0.70	0.000272	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	-10	-8.85	-0.003416	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	0	2.15	0.000831	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	10	-11.49	-0.004436	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	20	-15.32	-0.005916	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	30	8.75	0.003380	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	40	10.77	0.004159	PASS
CA_41C	16QAM	40591+40789	100RB#0/100RB#0	NV	50	-5.75	-0.002220	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	-30	13.29	0.005064	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	-20	4.77	0.001818	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	-10	-15.14	-0.005766	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	0	-9.48	-0.003611	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	10	-3.59	-0.001369	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	20	2.82	0.001075	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	30	-4.72	-0.001796	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	40	-12.03	-0.004582	PASS
CA_41C	16QAM	40942+41140	100RB#0/100RB#0	NV	50	15.01	0.005719	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	-30	-13.06	-0.005072	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	-20	12.41	0.004821	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	-10	-2.22	-0.000863	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	0	-3.35	-0.001301	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	10	-8.65	-0.003359	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	20	-5.59	-0.002171	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	30	9.88	0.003838	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	40	1.25	0.000486	PASS
CA_41C	16QAM	40438+40240	100RB#0/100RB#0	NV	50	11.87	0.004609	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	-30	-6.21	-0.002380	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	-20	1.37	0.000524	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	-10	1.94	0.000743	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	0	-5.79	-0.002218	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	10	-12.58	-0.004820	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	20	-3.62	-0.001386	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	30	11.43	0.004379	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	40	6.49	0.002485	PASS
CA_41C	16QAM	40789+40591	100RB#0/100RB#0	NV	50	14.36	0.005502	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	-30	-5.67	-0.002144	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	-20	-10.73	-0.004058	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	-10	8.02	0.003031	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	0	9.54	0.003607	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	10	13.55	0.005124	PASS



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

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



CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	20	1.20	0.000455	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	30	12.24	0.004629	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	40	-1.42	-0.000536	PASS
CA_41C	16QAM	41140+40942	100RB#0/100RB#0	NV	50	-3.74	-0.001415	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	-30	-12.15	-0.004754	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	-20	-4.76	-0.001861	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	-10	-14.35	-0.005617	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	0	-14.45	-0.005655	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	10	1.07	0.000420	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	20	-12.87	-0.005035	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	30	4.70	0.001839	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	40	10.17	0.003981	PASS
CA_41C	64QAM	40240+40438	100RB#0/100RB#0	NV	50	-13.03	-0.005099	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	-30	-8.69	-0.003354	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	-20	3.61	0.001395	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	-10	3.68	0.001421	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	0	-3.73	-0.001440	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	10	-13.67	-0.005277	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	20	2.80	0.001081	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	30	-8.22	-0.003173	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	40	3.46	0.001334	PASS
CA_41C	64QAM	40591+40789	100RB#0/100RB#0	NV	50	-4.70	-0.001813	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	-30	-7.65	-0.002913	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	-20	-9.18	-0.003499	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	-10	1.38	0.000525	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	0	8.54	0.003255	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	10	14.99	0.005711	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	20	7.21	0.002748	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	30	14.36	0.005470	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	40	11.31	0.004306	PASS
CA_41C	64QAM	40942+41140	100RB#0/100RB#0	NV	50	-0.94	-0.000360	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	-30	1.69	0.000658	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	-20	-7.26	-0.002820	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	-10	3.53	0.001370	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	0	-3.35	-0.001303	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	10	-5.56	-0.002160	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	20	1.72	0.000668	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	30	-1.71	-0.000662	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	40	3.98	0.001544	PASS
CA_41C	64QAM	40438+40240	100RB#0/100RB#0	NV	50	3.72	0.001445	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	-30	-15.50	-0.005938	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	-20	5.33	0.002044	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	-10	13.98	0.005356	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	0	5.45	0.002090	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.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



CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	10	4.11	0.001576	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	20	-14.54	-0.005569	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	30	-13.56	-0.005194	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	40	1.46	0.000559	PASS
CA_41C	64QAM	40789+40591	100RB#0/100RB#0	NV	50	-15.77	-0.006044	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	-30	3.77	0.001425	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	-20	13.81	0.005222	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	-10	-8.42	-0.003184	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	0	-13.20	-0.004990	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	10	-14.67	-0.005546	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	20	-8.48	-0.003204	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	30	-5.50	-0.002080	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	40	-12.68	-0.004795	PASS
CA_41C	64QAM	41140+40942	100RB#0/100RB#0	NV	50	9.87	0.003732	PASS

The End



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