



Appendix B

E-UTRA Band 7



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

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	4
1.1	TEST RESULT.....	4
2	PEAK-TO-AVERAGE RATIO (CCDF).....	18
2.1	TEST RESULT	18
2.2	TEST PLOTS	18
3	MODULATION CHARACTERISTICS.....	23
3.1	TEST MODE = LTE /TM1 20MHZ.....	23
3.1.1	TEST CHANNEL = MCH	23
3.2	TEST MODE = LTE /TM2 20MHZ.....	24
3.2.1	TEST CHANNEL = MCH	24
3.3	TEST MODE = LTE /TM3 20MHZ.....	25
3.3.1	TEST CHANNEL = MCH.....	25
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	26
4.1	TEST RESULT	26
4.2	TEST PLOTS	27
5	BAND EDGE COMPLIANCE.....	46
5.1	TEST PLOTS	46
6	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	71
6.1	TEST PLOTS	71
7	FIELD STRENGTH OF SPURIOUS RADIATION	81
7.1	TEST MODE =LTE/TM1 20MHZ(ANT1).....	81
7.1.1	TEST CHANNEL = LCH.....	81
7.1.2	TEST CHANNEL = MCH	81
7.1.3	TEST CHANNEL = HCH	82
7.2	TEST MODE =LTE/TM1 20MHZ(ANT2).....	82
7.2.1	TEST CHANNEL = LCH.....	82
7.2.2	TEST CHANNEL = MCH.....	83
7.2.3	TEST CHANNEL = HCH	83



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



8	FREQUENCY STABILITY	84
8.1	FREQUENCY VS VOLTAGE	84
8.2	FREQUENCY VS TEMPERATURE	84



1 Effective (Isotropic) Radiated Power

1.1 Test Result

ANT1:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.35	22.55	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.35	22.55	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.88	23.08	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.51	21.71	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.65	21.85	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.37	21.57	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.29	21.49	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.32	22.52	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.58	22.78	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.41	22.61	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.48	21.68	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.41	21.61	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.38	21.58	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.45	21.65	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.45	22.65	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.87	23.07	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.24	22.44	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.09	21.29	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.24	21.44	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.87	22.07	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.26	21.46	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.78	21.98	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.81	22.01	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.62	21.82	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.54	20.74	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.38	20.58	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.36	20.56	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.32	20.52	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.14	22.34	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.88	22.08	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.51	21.71	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.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



Band7	5MHz	16QAM	21100	12RB#0	21.39	20.59	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.42	20.62	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.45	20.65	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.45	20.65	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.34	21.54	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.26	21.46	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.64	21.84	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.08	20.28	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.20	20.4	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.25	20.45	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.06	20.26	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.94	21.14	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.84	21.04	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.73	20.93	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.73	19.93	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.81	20.01	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.74	19.94	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.75	19.95	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.90	21.1	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.87	21.07	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.74	20.94	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.78	19.98	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.66	19.86	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.72	19.92	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.71	19.91	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.60	20.8	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.91	21.11	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.56	20.76	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.62	19.82	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.64	19.84	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.52	19.72	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.55	19.75	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.77	22.97	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.24	22.44	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.50	22.7	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.35	21.55	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.36	21.56	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.61	21.81	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.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



Band7	10MHz	QPSK	20800	50RB#0	22.21	21.41	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.50	22.7	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.43	22.63	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.53	22.73	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.42	21.62	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.38	21.58	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.46	21.66	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.46	21.66	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.17	22.37	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.24	22.44	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.73	22.93	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.30	21.5	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.19	21.39	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.03	21.23	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.23	21.43	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.58	21.78	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.23	21.43	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.85	22.05	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.62	20.82	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.35	20.55	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.18	20.38	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.36	20.56	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.83	22.03	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.95	22.15	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.75	21.95	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.47	20.67	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.34	20.54	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.45	20.65	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.43	20.63	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.58	21.78	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.60	21.8	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.32	21.52	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.35	20.55	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.17	20.37	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.44	20.64	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.26	20.46	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.98	21.18	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.88	21.08	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

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

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



Band7	10MHz	64QAM	20800	1RB#49	21.75	20.95	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.73	19.93	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.83	20.03	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.75	19.95	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.74	19.94	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.90	21.1	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.87	21.07	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.73	20.93	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.78	19.98	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.66	19.86	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.74	19.94	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.67	19.87	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.62	20.82	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.89	21.09	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.54	20.74	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.59	19.79	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.66	19.86	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.56	19.76	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.57	19.77	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.81	23.01	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.40	22.6	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.56	22.76	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.44	21.64	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.32	21.52	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.45	21.65	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.24	21.44	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.21	22.41	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.31	22.51	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.55	22.75	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.30	21.5	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.25	21.45	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.18	21.38	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.31	21.51	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.27	22.47	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.54	22.74	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.45	22.65	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.18	21.38	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.20	21.4	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

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

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



Band7	15MHz	QPSK	21375	38RB#37	22.08	21.28	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.17	21.37	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.88	22.08	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.60	21.8	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.65	21.85	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.26	20.46	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.32	20.52	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.48	20.68	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.45	20.65	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.50	21.7	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.60	21.8	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.62	21.82	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.33	20.53	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.27	20.47	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.17	20.37	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.31	20.51	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.50	21.7	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.25	21.45	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.10	21.3	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.17	20.37	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.22	20.42	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.08	20.28	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.19	20.39	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.99	21.19	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.87	21.07	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.74	20.94	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#0	20.70	19.9	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#18	20.82	20.02	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#37	20.74	19.94	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.74	19.94	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.91	21.11	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.89	21.09	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.73	20.93	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#0	20.81	20.01	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#18	20.68	19.88	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#37	20.73	19.93	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.66	19.86	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.61	20.81	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

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

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



Band7	15MHz	64QAM	21375	1RB#38	21.94	21.14	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.56	20.76	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#0	20.58	19.78	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#18	20.69	19.89	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#37	20.57	19.77	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.55	19.75	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.86	23.06	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.42	22.62	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.59	22.79	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.44	21.64	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.33	21.53	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.49	21.69	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.25	21.45	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.26	22.46	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.87	23.07	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.59	22.79	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.05	22.25	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.29	21.49	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.20	21.4	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.36	21.56	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.29	22.49	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.55	22.75	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.49	22.69	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.23	21.43	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.20	21.4	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.11	21.31	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.19	21.39	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.93	22.13	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.88	22.08	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.75	21.95	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.73	20.93	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.85	21.05	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.79	20.99	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.75	20.95	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.51	21.71	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.91	22.11	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.75	21.95	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.83	21.03	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

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

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

Band7	20MHz	16QAM	21100	50RB#25	21.71	20.91	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.74	20.94	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.71	20.91	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.52	21.72	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.94	22.14	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.56	21.76	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.63	20.83	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.69	20.89	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.57	20.77	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.58	20.78	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.99	21.19	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.85	21.05	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.75	20.95	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.71	19.91	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.85	20.05	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.79	19.99	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.74	19.94	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.90	21.1	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.90	21.1	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.71	20.91	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.78	19.98	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.68	19.88	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.74	19.94	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.70	19.9	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.59	20.79	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.93	21.13	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.51	20.71	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.59	19.79	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.68	19.88	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.52	19.72	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.54	19.74	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

ANT2:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	19.16	21.66	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	19.28	21.78	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.20	21.7	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.20	21.7	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.34	21.84	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.32	21.82	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.40	21.9	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	19.15	21.65	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	19.49	21.99	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	19.28	21.78	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.35	21.85	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.31	21.81	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.39	21.89	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.37	21.87	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	19.17	21.67	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	19.48	21.98	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	19.50	22	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	19.33	21.83	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	19.50	22	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	19.46	21.96	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.46	21.96	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.50	22	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.22	21.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.35	21.85	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.34	21.84	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.35	21.85	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.31	21.81	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.46	21.96	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.41	21.91	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.42	21.92	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.53	22.03	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.40	21.9	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.47	21.97	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.41	21.91	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.54	22.04	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

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

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

Band7	5MHz	16QAM	21425	1RB#0	19.25	21.75	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	19.52	22.02	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.19	21.69	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.46	21.96	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.44	21.94	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.35	21.85	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.50	22	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	19.50	22	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	19.18	21.68	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	19.35	21.85	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.30	21.8	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.30	21.8	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.27	21.77	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.46	21.96	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	19.37	21.87	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	19.42	21.92	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	19.52	22.02	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.39	21.89	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.46	21.96	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.36	21.86	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.50	22	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	19.22	21.72	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	19.49	21.99	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	19.18	21.68	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.42	21.92	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.40	21.9	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.32	21.82	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.47	21.97	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	19.07	21.57	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	19.18	21.68	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	19.18	21.68	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	19.16	21.66	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	19.31	21.81	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	19.29	21.79	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	19.40	21.9	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	19.12	21.62	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	19.43	21.93	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	19.23	21.73	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

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

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



Band7	10MHz	QPSK	21100	25RB#0	19.30	21.8	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	19.21	21.71	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.33	21.83	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.27	21.77	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	19.08	21.58	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	19.47	21.97	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	19.42	21.92	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	19.28	21.78	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	19.48	21.98	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	19.46	21.96	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	19.46	21.96	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	19.40	21.9	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	19.13	21.63	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	19.25	21.75	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.24	21.74	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.35	21.85	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.29	21.79	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.39	21.89	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.31	21.81	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.36	21.86	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.46	21.96	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.31	21.81	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.42	21.92	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.39	21.89	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.44	21.94	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.22	21.72	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.47	21.97	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.17	21.67	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.46	21.96	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.40	21.9	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.29	21.79	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.41	21.91	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	19.49	21.99	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	19.17	21.67	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	19.33	21.83	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.34	21.84	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.35	21.85	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.27	21.77	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

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

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



Band7	10MHz	64QAM	20800	50RB#0	19.46	21.96	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	19.40	21.9	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	19.38	21.88	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	19.48	21.98	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.37	21.87	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.46	21.96	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.36	21.86	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.50	22	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	19.22	21.72	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	19.48	21.98	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	19.18	21.68	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.41	21.91	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.39	21.89	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.33	21.83	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.48	21.98	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	19.12	21.62	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	19.22	21.72	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	19.15	21.65	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	19.10	21.6	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	19.29	21.79	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	19.26	21.76	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	19.30	21.8	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	19.08	21.58	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	19.45	21.95	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	19.18	21.68	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	19.27	21.77	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	19.25	21.75	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	19.35	21.85	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.27	21.77	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	19.15	21.65	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	19.48	21.98	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	19.47	21.97	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	19.30	21.8	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	19.41	21.91	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	19.41	21.91	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	19.37	21.87	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.41	21.91	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	19.13	21.63	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

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

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



Band7	15MHz	16QAM	20825	1RB#74	19.29	21.79	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	19.30	21.8	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	19.28	21.78	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	19.26	21.76	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.43	21.93	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.36	21.86	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.42	21.92	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.50	22	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	19.36	21.86	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	19.43	21.93	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	19.40	21.9	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.49	21.99	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.20	21.7	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.43	21.93	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.09	21.59	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	19.42	21.92	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	19.40	21.9	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	19.29	21.79	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.45	21.95	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	19.48	21.98	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	19.20	21.7	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	19.31	21.81	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#0	19.33	21.83	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#18	19.35	21.85	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#37	19.31	21.81	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.44	21.94	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	19.38	21.88	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	19.41	21.91	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	19.51	22.01	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#0	19.40	21.9	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#18	19.45	21.95	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#37	19.41	21.91	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.44	21.94	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	19.25	21.75	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	19.48	21.98	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	19.17	21.67	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#0	19.45	21.95	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#18	19.40	21.9	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

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

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



Band7	15MHz	64QAM	21375	38RB#37	19.32	21.82	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.45	21.95	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	19.21	21.71	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	19.31	21.81	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	19.26	21.76	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	19.39	21.89	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	19.38	21.88	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	19.35	21.85	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	19.42	21.92	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	19.57	22.07	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	19.61	22.11	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	19.29	21.79	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	19.51	22.01	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	19.37	21.87	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	19.42	21.92	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.38	21.88	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	19.19	21.69	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	19.59	22.09	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	19.56	22.06	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	19.54	22.04	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	19.36	21.86	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	19.51	22.01	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	19.56	22.06	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.59	22.09	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	19.25	21.75	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.40	21.9	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.42	21.92	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.38	21.88	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.35	21.85	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.55	22.05	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.46	21.96	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.44	21.94	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.54	22.04	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.48	21.98	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.55	22.05	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.45	21.95	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.45	21.95	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.32	21.82	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

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

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

Band7	20MHz	16QAM	21350	1RB#49	19.55	22.05	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	19.24	21.74	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.56	22.06	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.50	22	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.39	21.89	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.45	21.95	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	19.47	21.97	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	19.21	21.71	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	19.33	21.83	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.30	21.8	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.34	21.84	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.28	21.78	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.43	21.93	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	19.41	21.91	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	19.42	21.92	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	19.49	21.99	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.39	21.89	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.47	21.97	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.37	21.87	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.49	21.99	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	19.22	21.72	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	19.51	22.01	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	19.15	21.65	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.43	21.93	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.43	21.93	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.34	21.84	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.46	21.96	33.00	PASS

Remark:

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

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

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

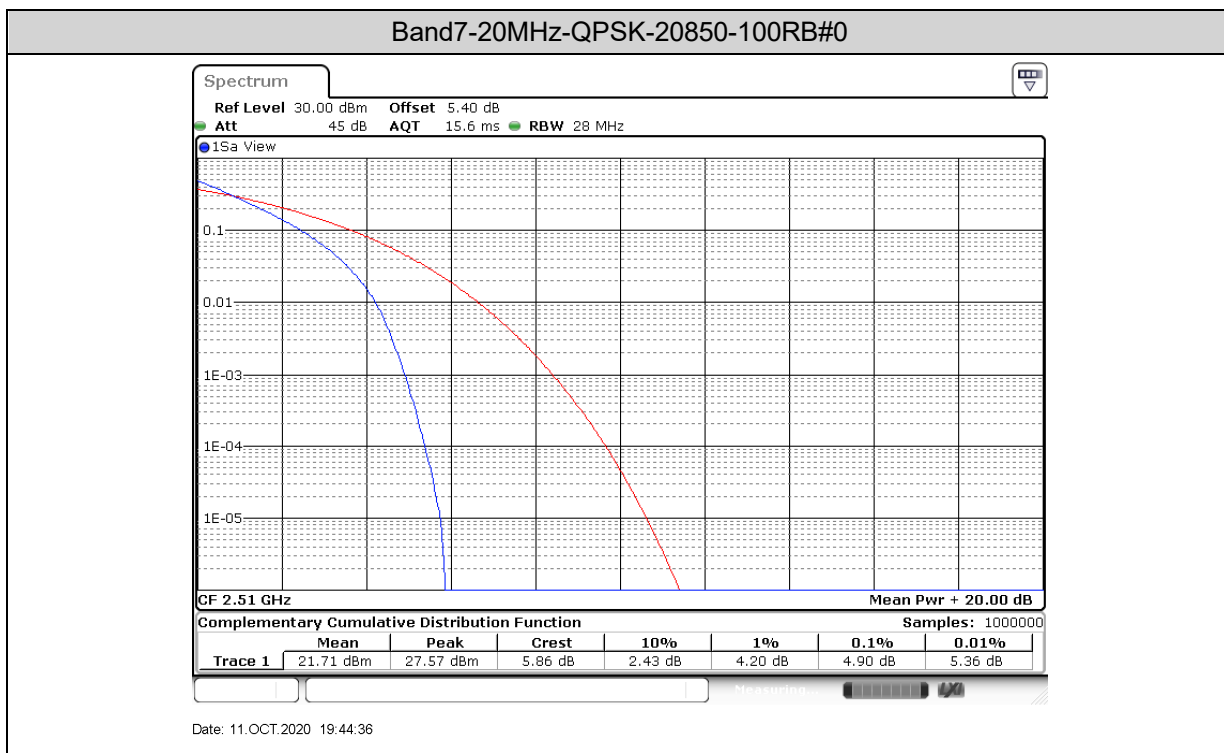
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

2 Peak-to-Average Ratio (CCDF)

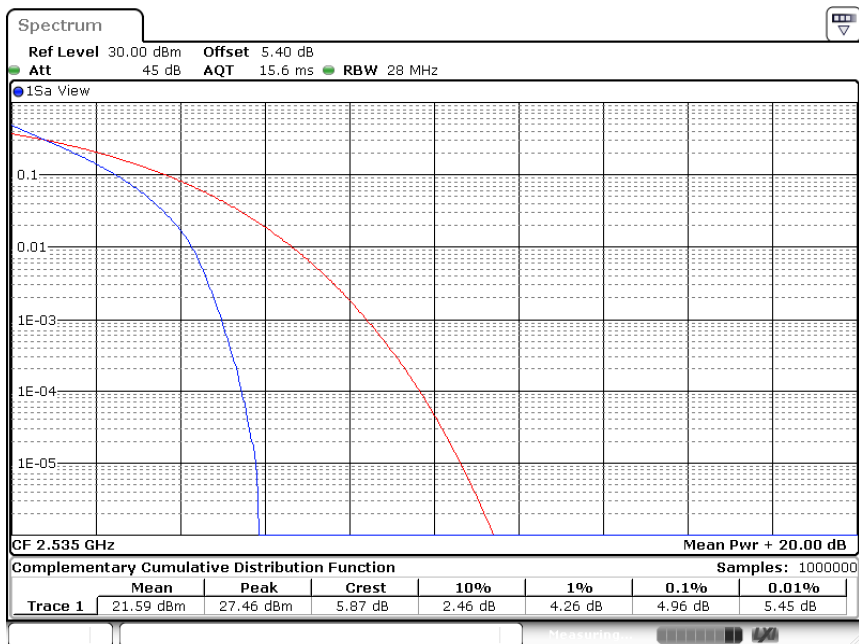
2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.90	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.96	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.90	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.80	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.86	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.77	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.41	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.46	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.38	13	PASS

2.2 Test Plots

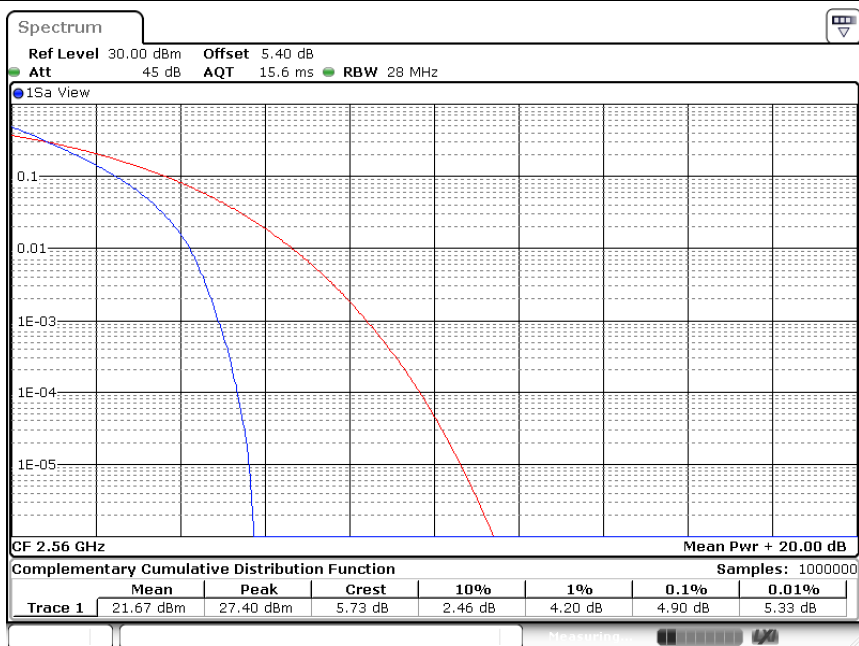


Band7-20MHz-QPSK-21100-100RB#0



Date: 11.OCT.2020 19:45:05

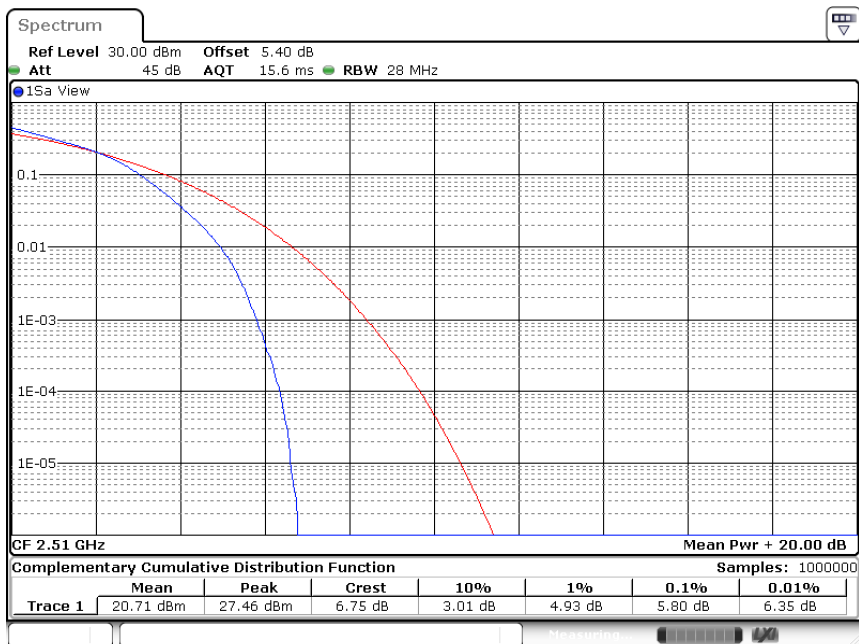
Band7-20MHz-QPSK-21350-100RB#0



Date: 11.OCT.2020 19:45:34

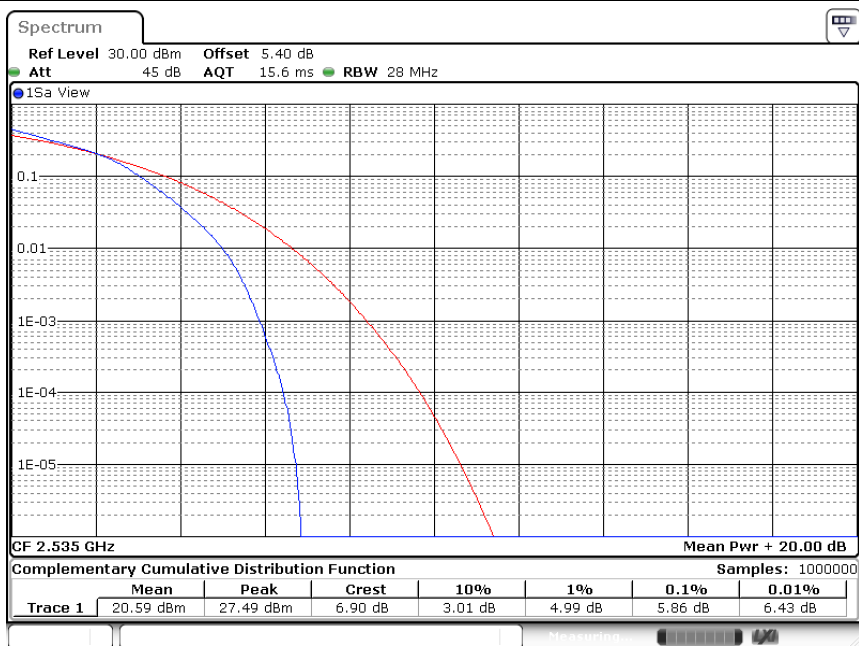


Band7-20MHz-16QAM-20850-100RB#0



Date: 11.OCT.2020 19:44:50

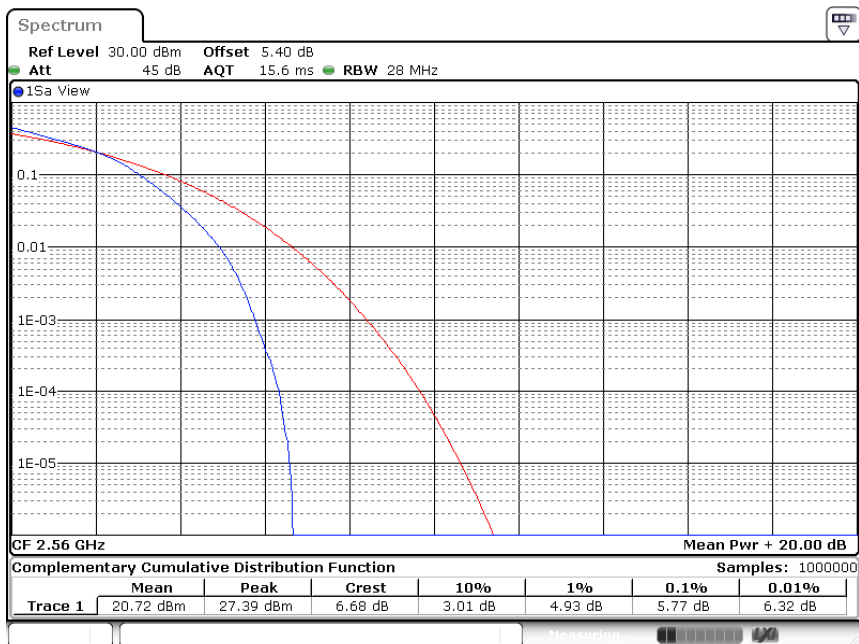
Band7-20MHz-16QAM-21100-100RB#0



Date: 11.OCT.2020 19:45:19

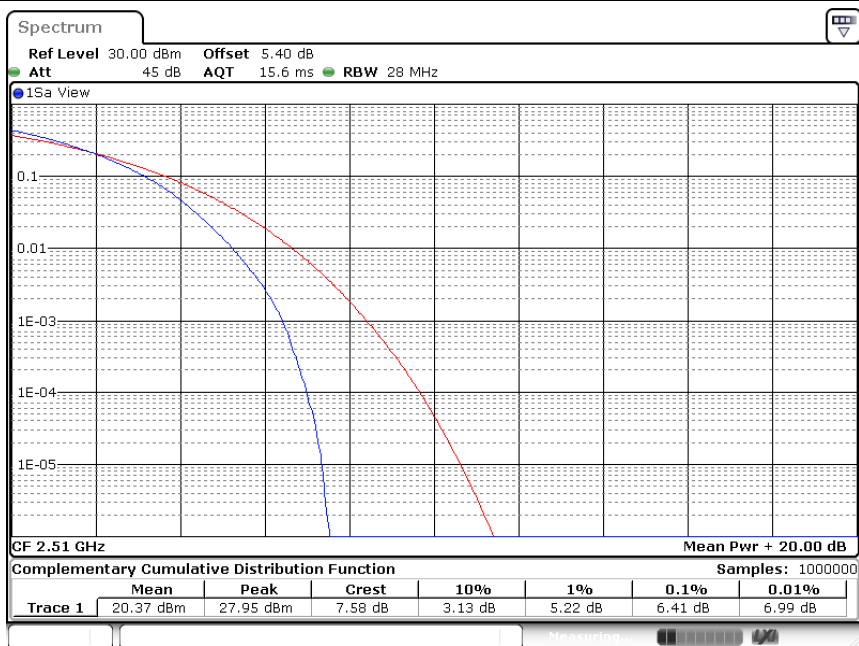


Band7-20MHz-16QAM-21350-100RB#0



Date: 11.OCT.2020 19:45:48

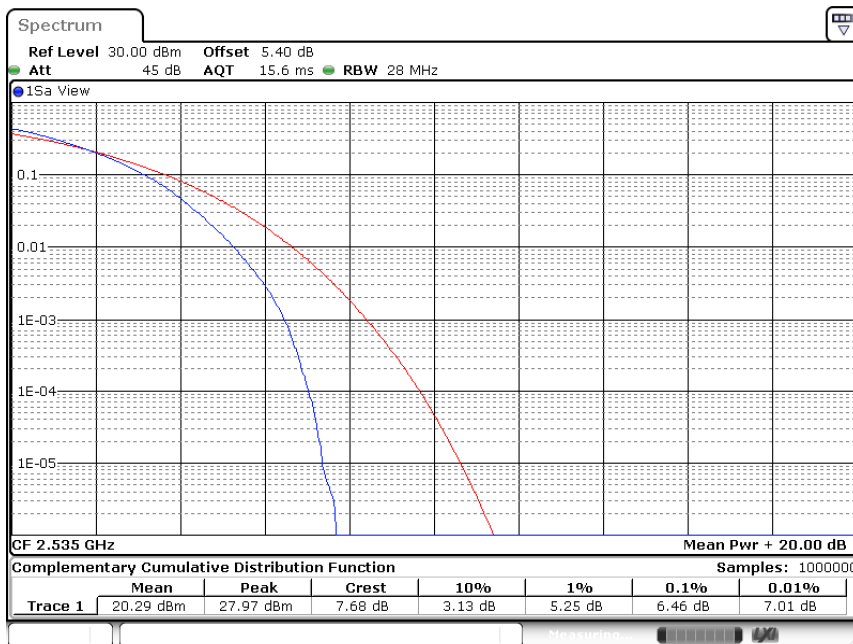
Band7-20MHz-64QAM-20850-100RB#0



Date: 14.OCT.2020 11:26:50

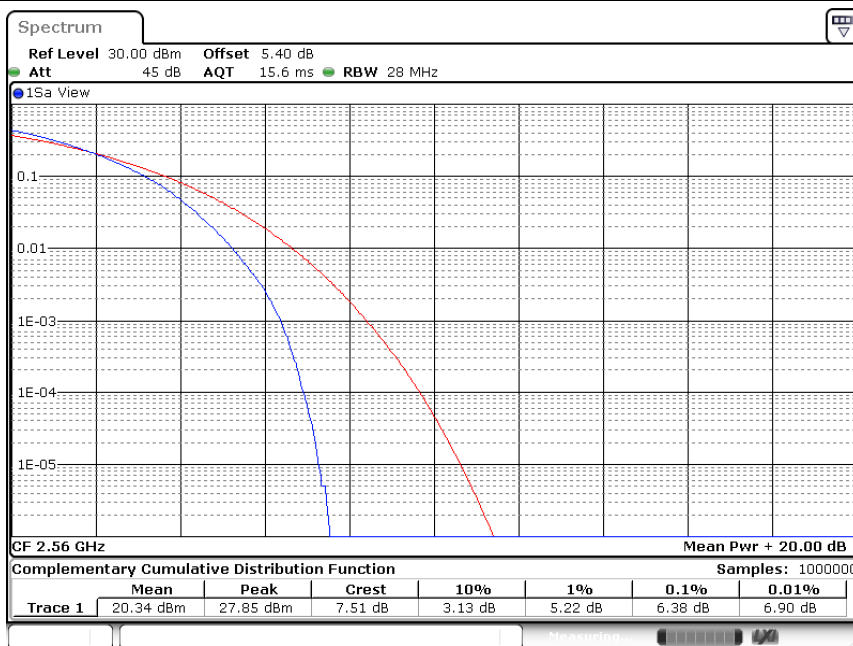


Band7-20MHz-64QAM-21100-100RB#0



Date: 14.OCT.2020 11:27:05

Band7-20MHz-64QAM-21350-100RB#0



Date: 14.OCT.2020 11:27:20



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

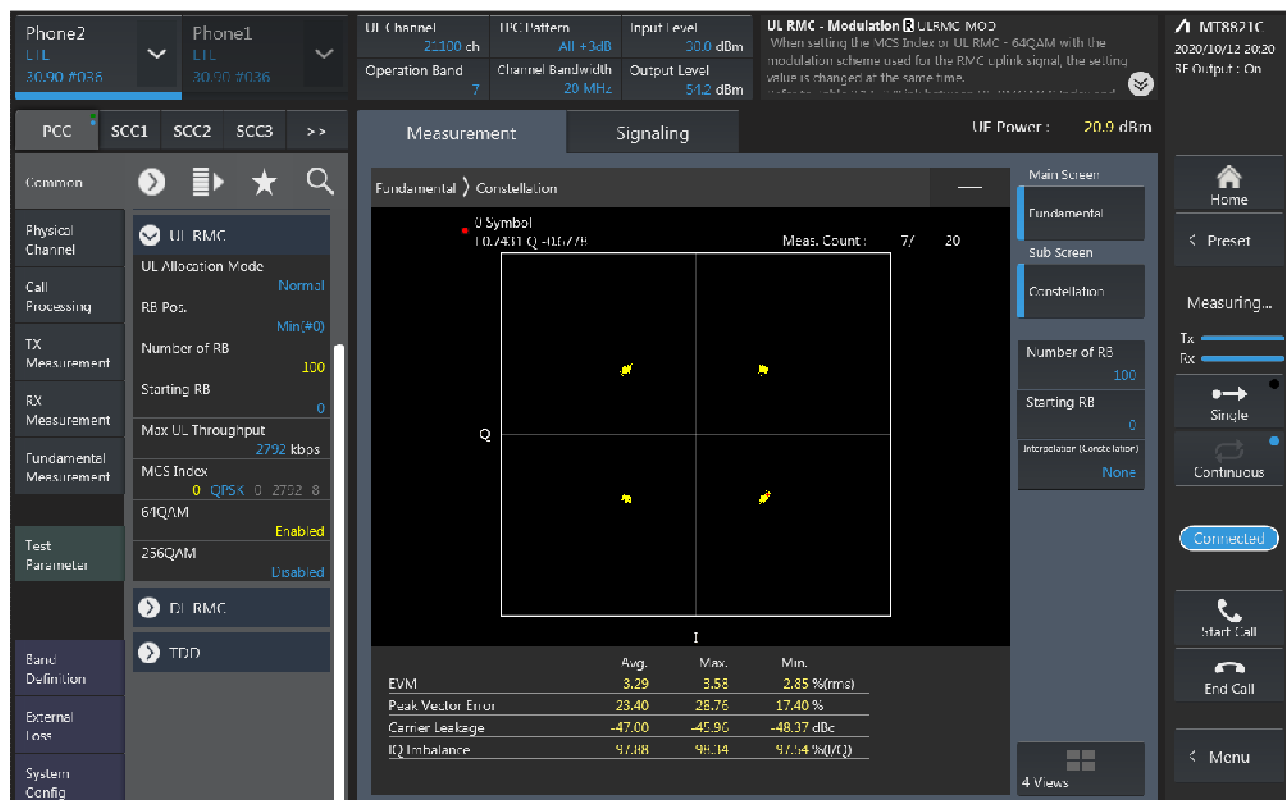
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3 Modulation Characteristics

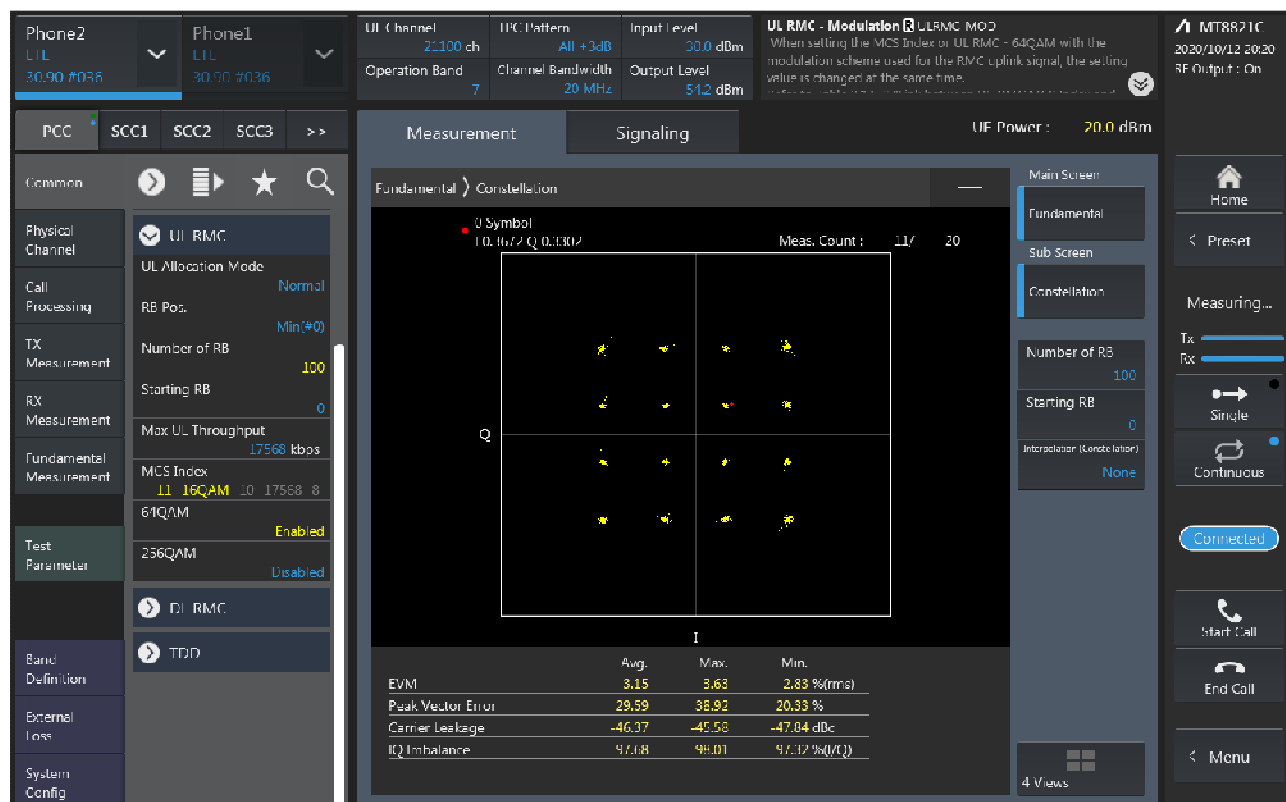
3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

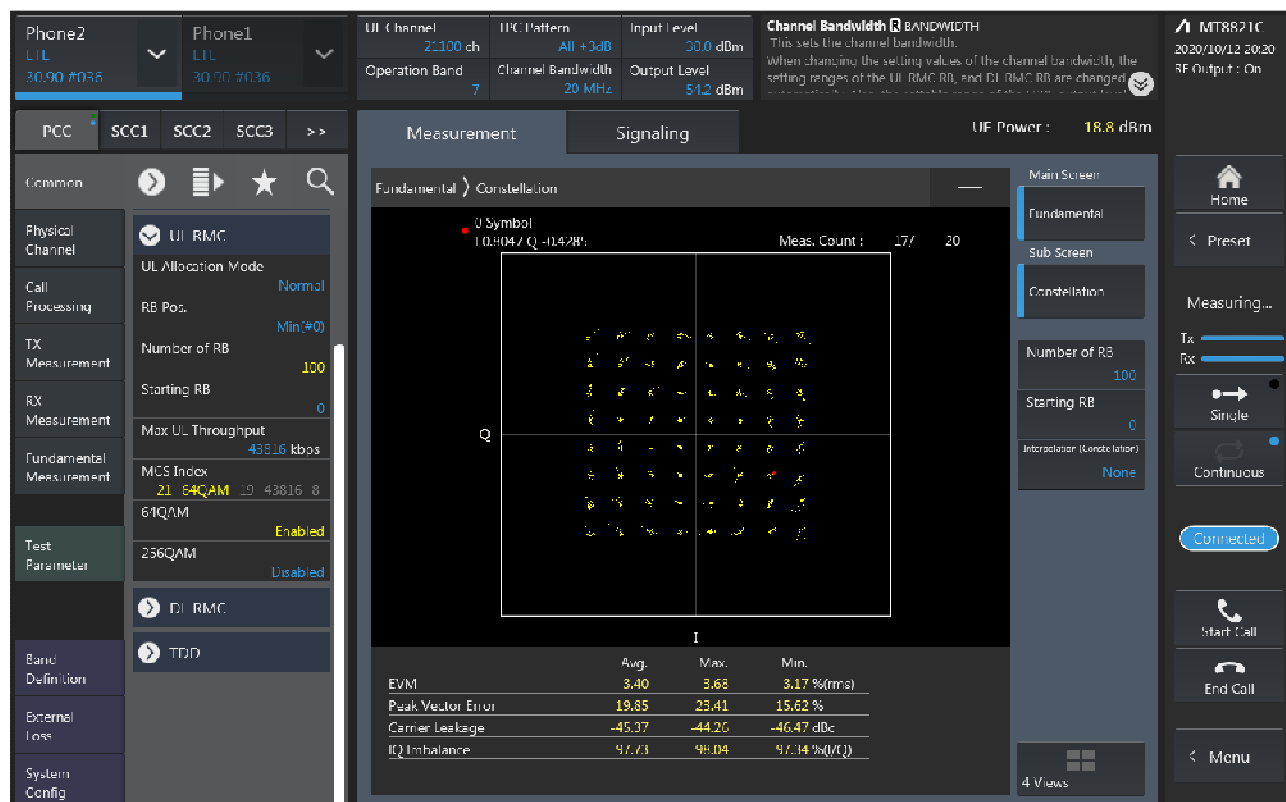
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed over, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and its electronic format documents subject to Terms and Conditions for Electronic 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 dispute. It is not to be used for any other purpose without the 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.

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

3.3 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



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

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

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

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



4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

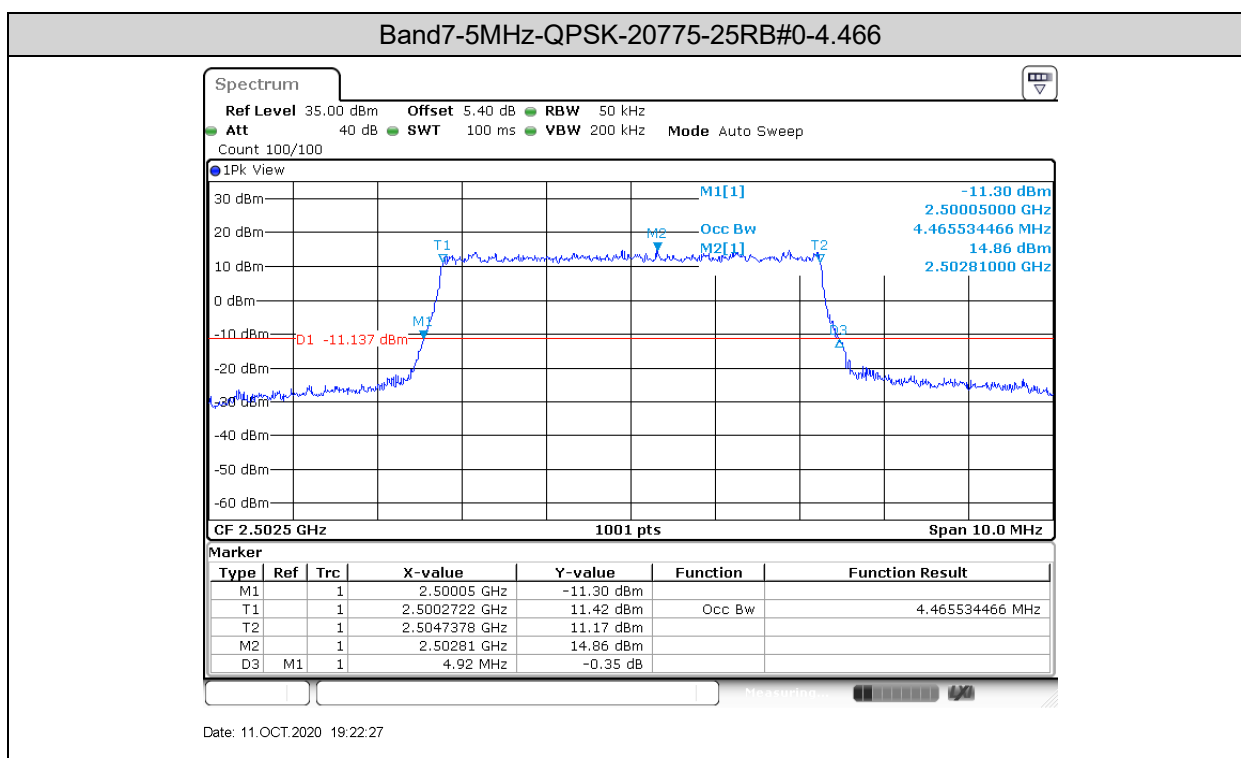
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.920	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.970	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.486	4.960	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.910	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.910	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.900	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.911	9.760	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.780	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.760	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.680	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.720	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.820	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.790	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.397	14.790	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.320	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.400	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.360	PASS



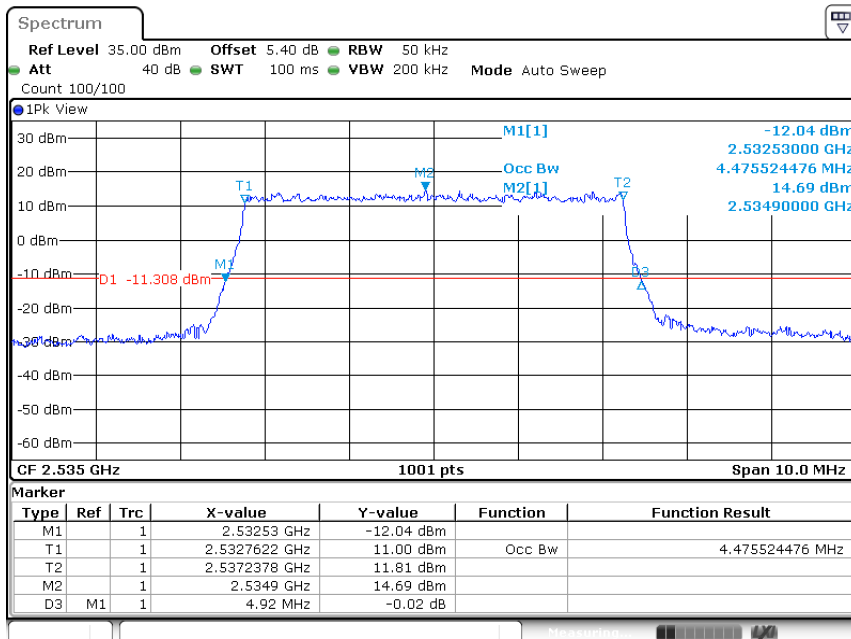
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7	20MHz	16QAM	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.440	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.862	19.240	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.440	PASS

4.2 Test Plots

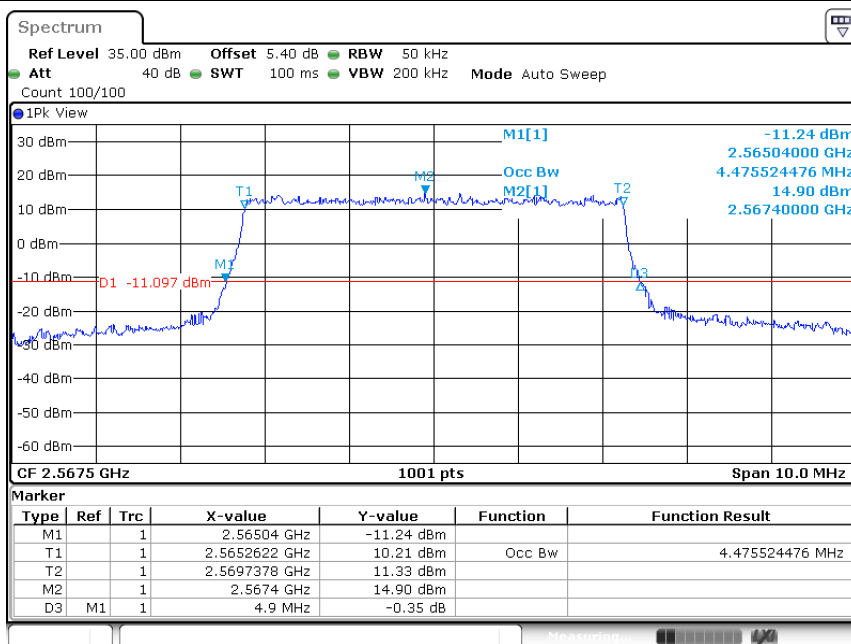


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 11.OCT.2020 19:23:13

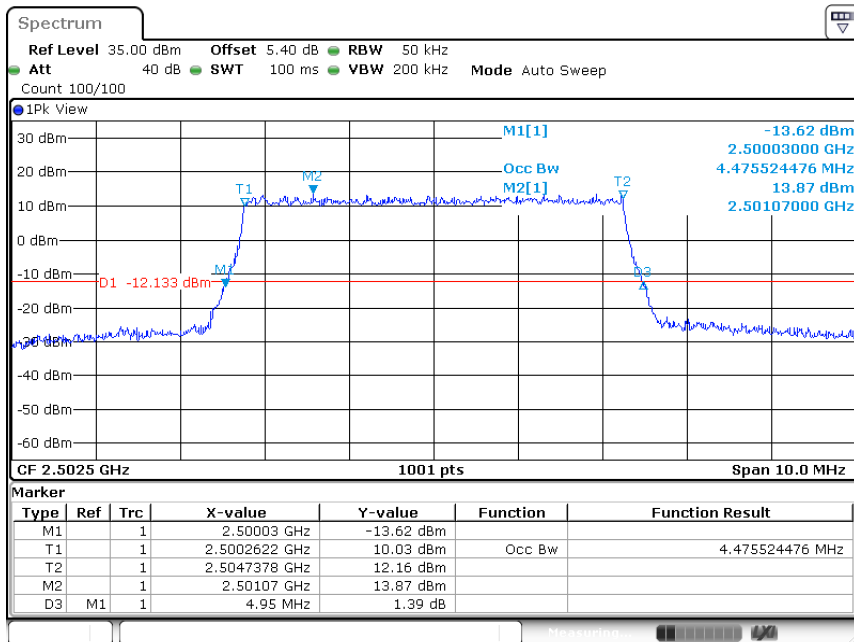
Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 11.OCT.2020 19:23:59

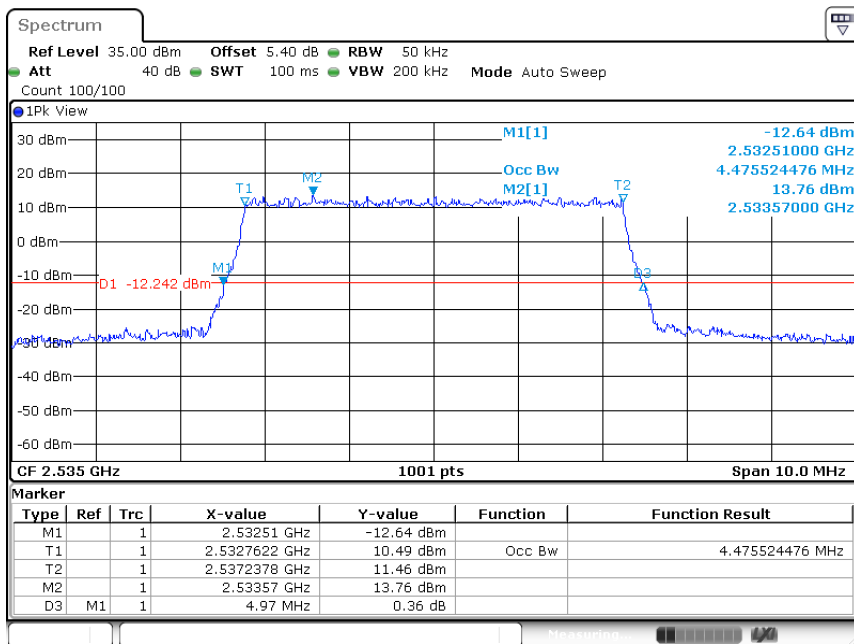


Band7-5MHz-16QAM-20775-25RB#0-4.476



Date: 11.OCT.2020 19:22:50

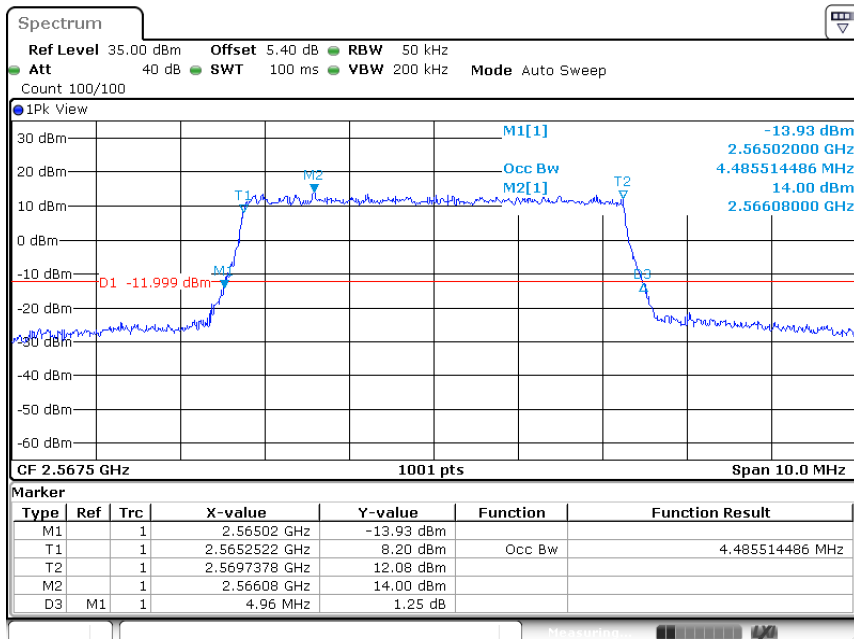
Band7-5MHz-16QAM-21100-25RB#0-4.476



Date: 11.OCT.2020 19:23:36

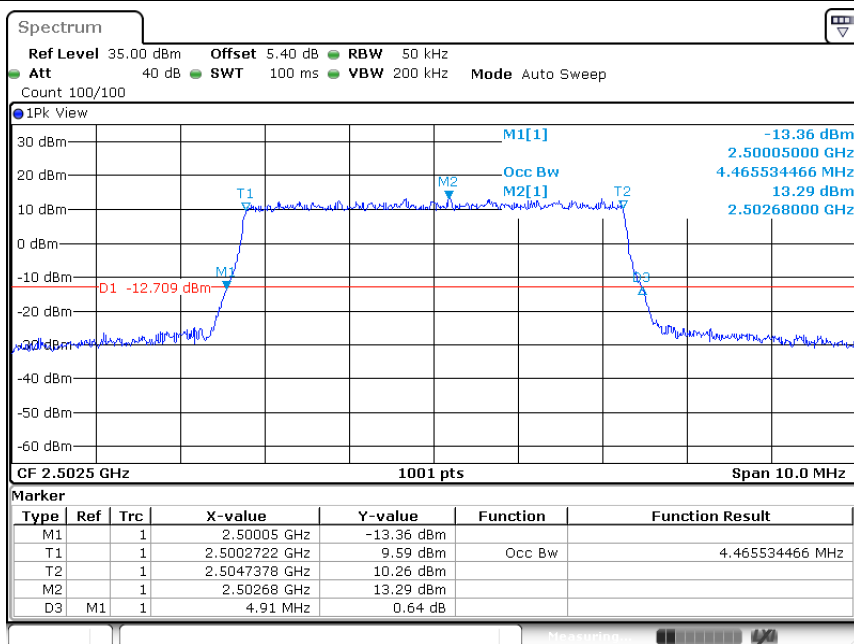


Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 11.OCT.2020 19:24:22

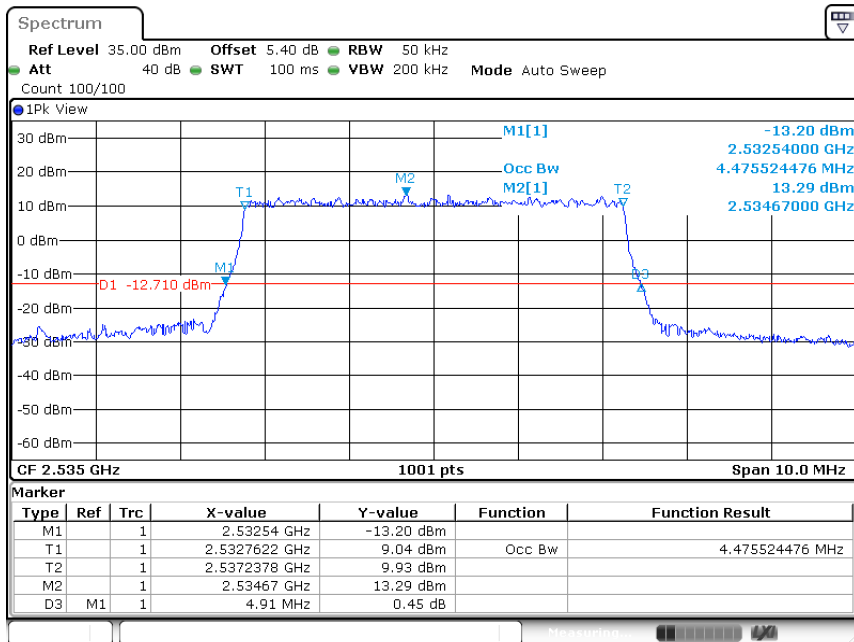
Band7-5MHz-64QAM-20775-25RB#0-4.466



Date: 14.OCT.2020 11:14:45

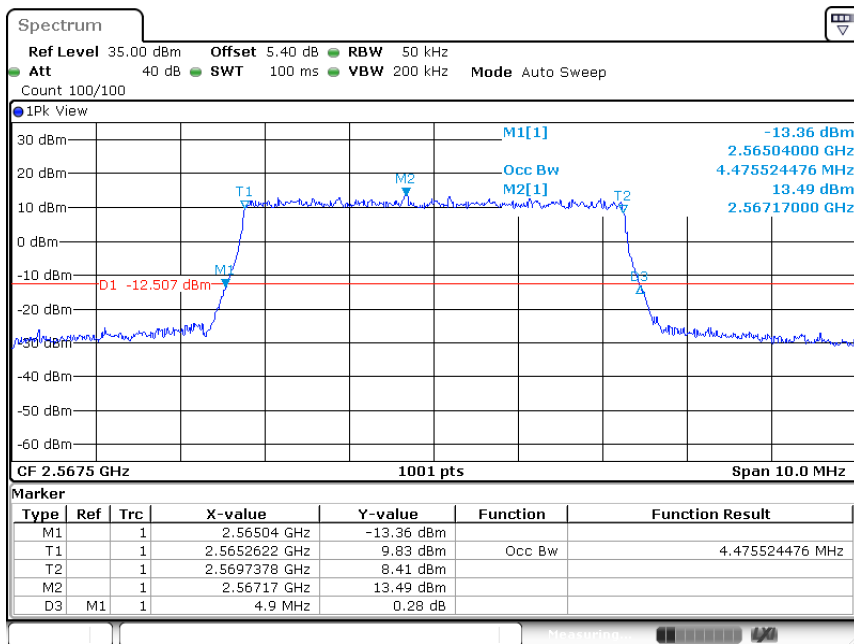


Band7-5MHz-64QAM-21100-25RB#0-4.476



Date: 14.OCT.2020 11:15:08

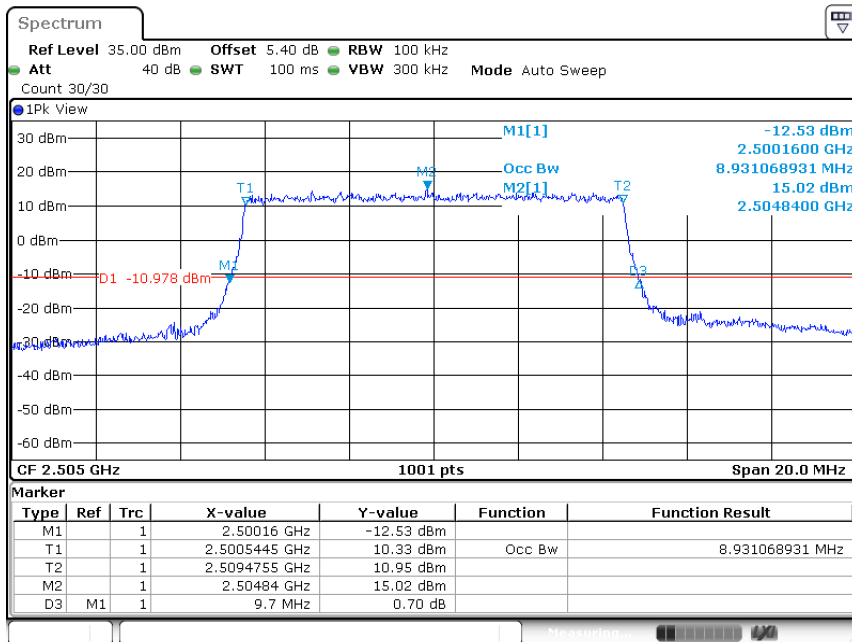
Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 14.OCT.2020 11:15:31

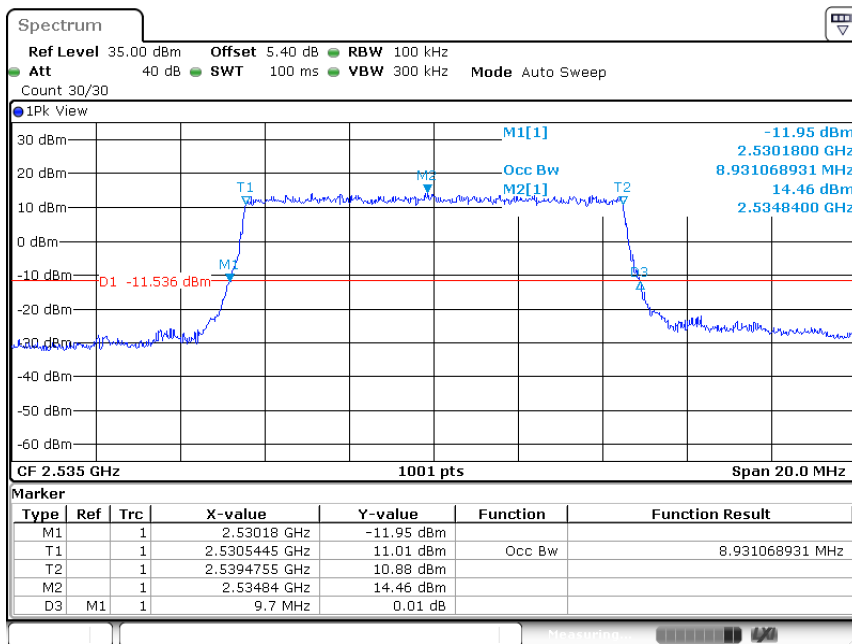


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 11.OCT.2020 19:24:43

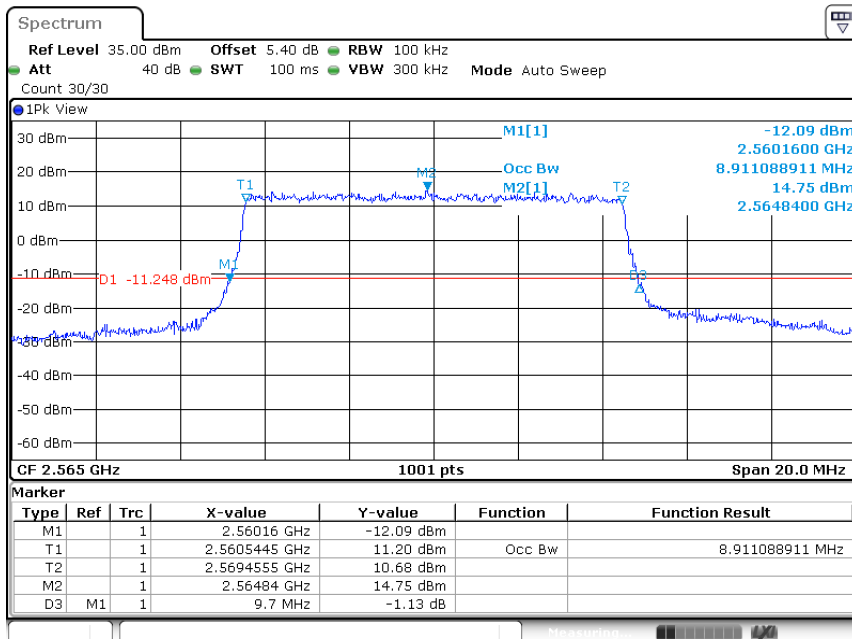
Band7-10MHz-QPSK-21100-50RB#0-8.931



Date: 11.OCT.2020 19:25:15

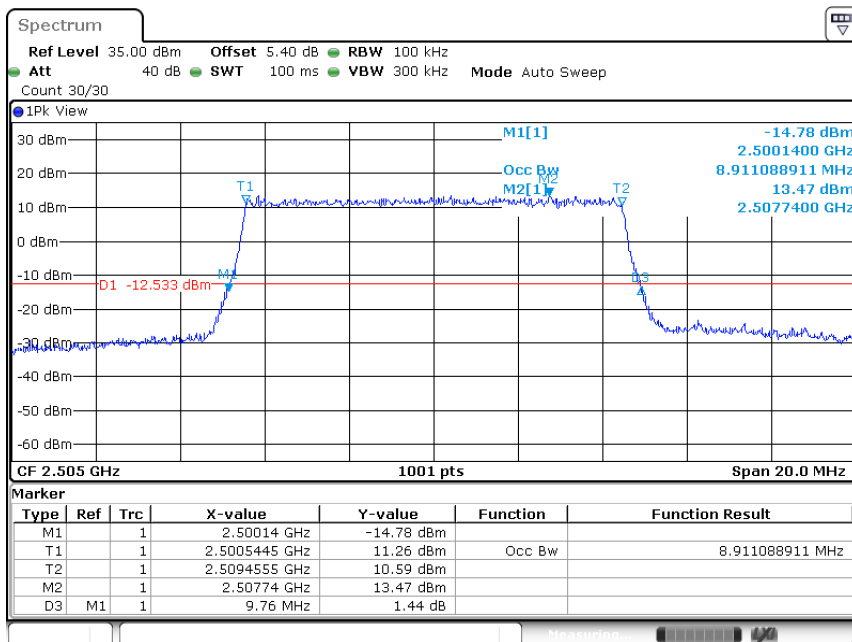


Band7-10MHz-QPSK-21400-50RB#0-8.911



Date: 11.OCT.2020 19:25:47

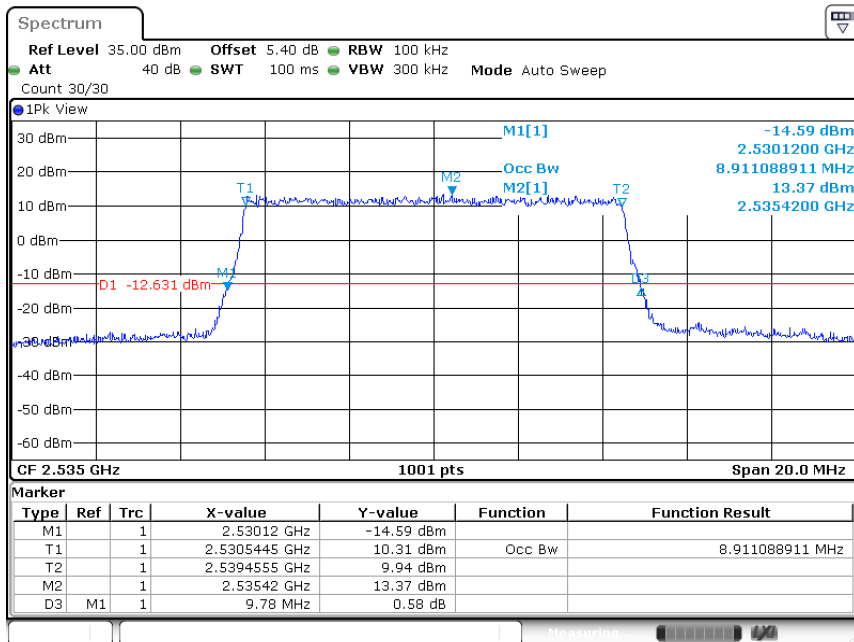
Band7-10MHz-16QAM-20800-50RB#0-8.911



Date: 11.OCT.2020 19:24:59

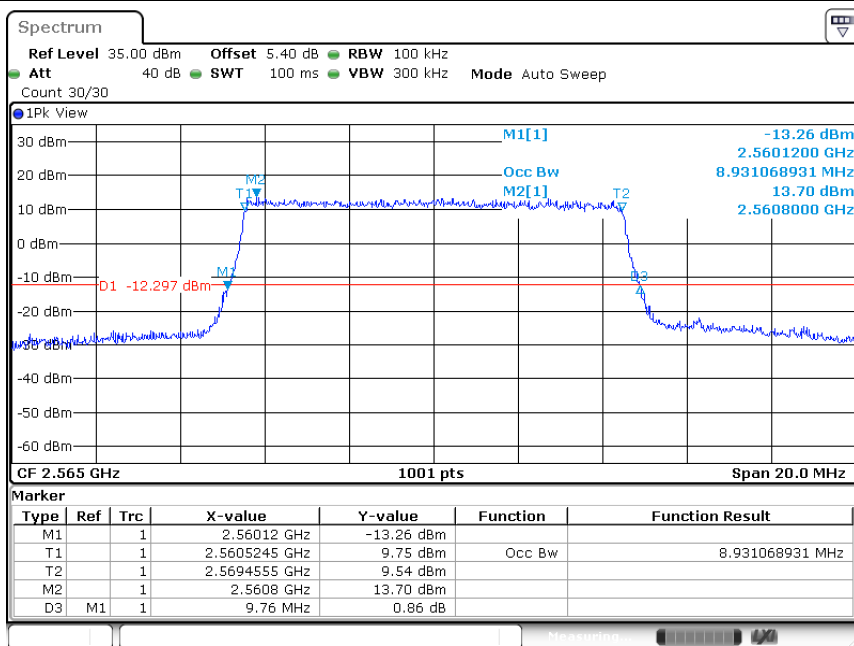


Band7-10MHz-16QAM-21100-50RB#0-8.911



Date: 11.OCT.2020 19:25:31

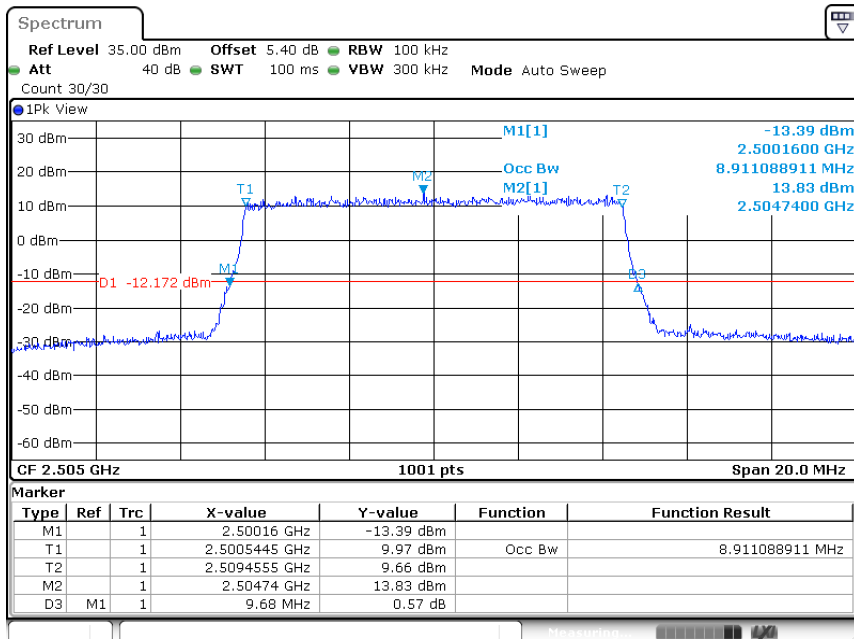
Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 11.OCT.2020 19:26:03

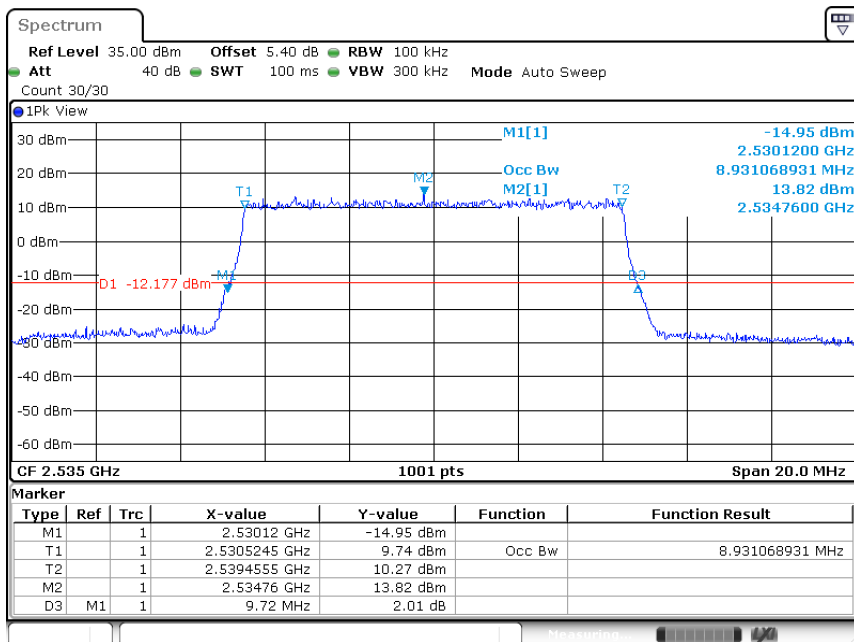


Band7-10MHz-64QAM-20800-50RB#0-8.911



Date: 14.OCT.2020 11:15:54

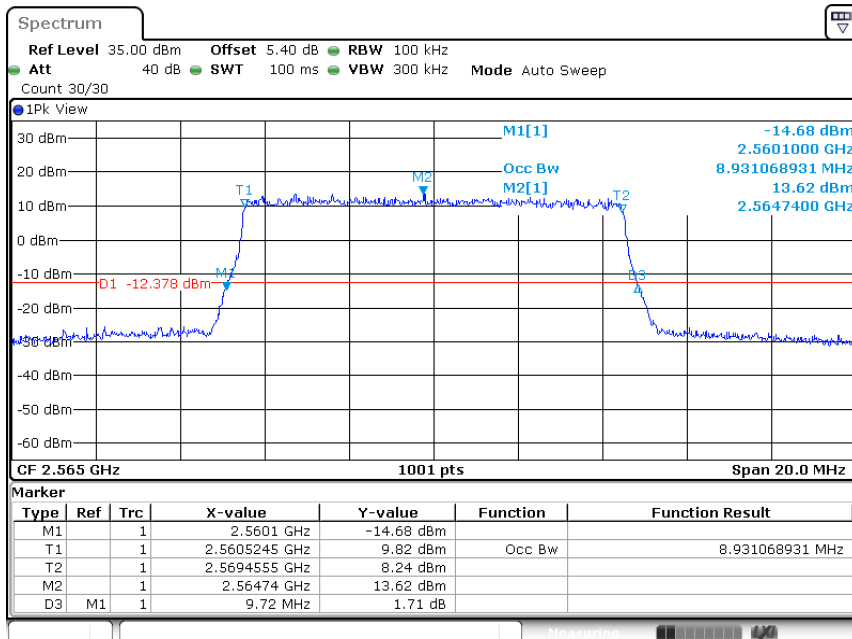
Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 14.OCT.2020 11:16:10

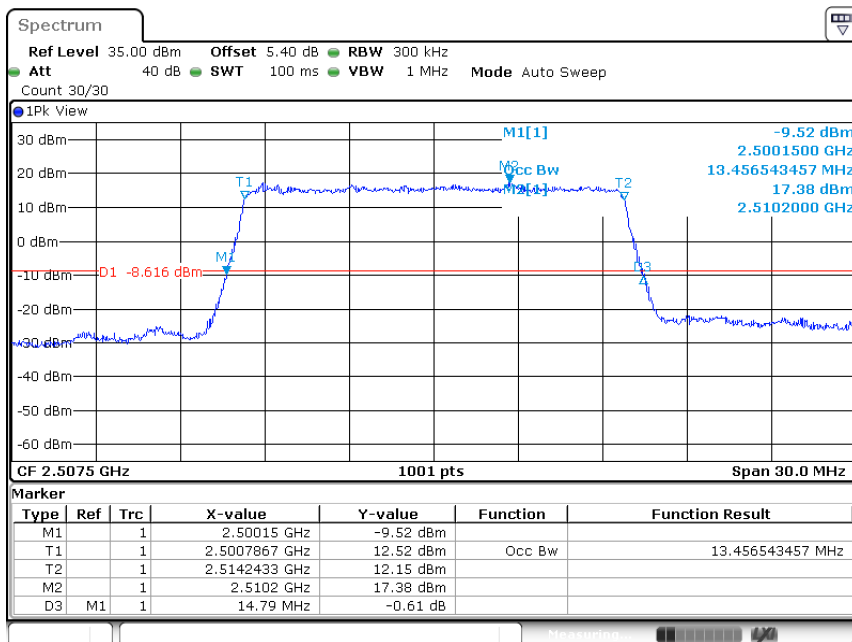


Band7-10MHz-64QAM-21400-50RB#0-8.931



Date: 14.OCT.2020 11:16:26

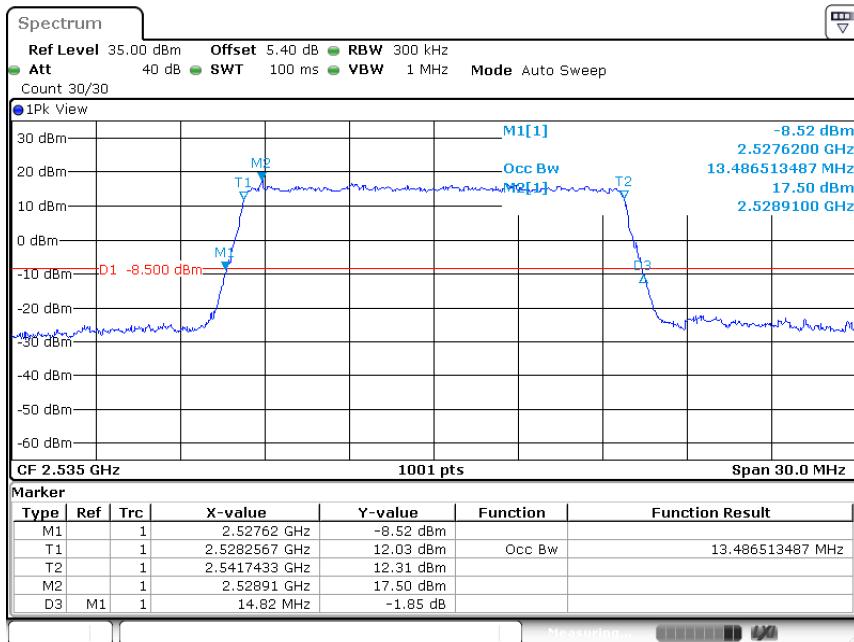
Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 11.OCT.2020 19:26:24

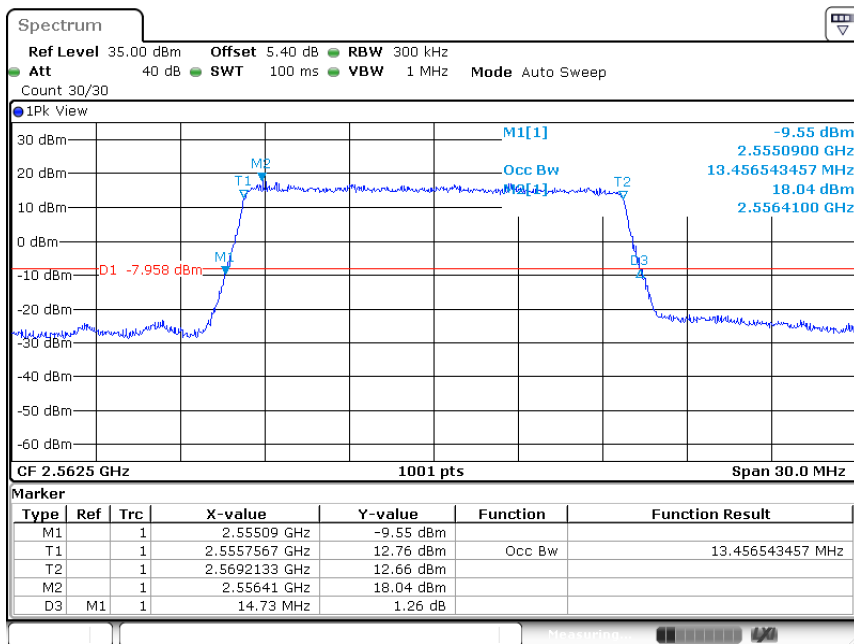


Band7-15MHz-QPSK-21100-75RB#0-13.487



Date: 11.OCT.2020 19:26:56

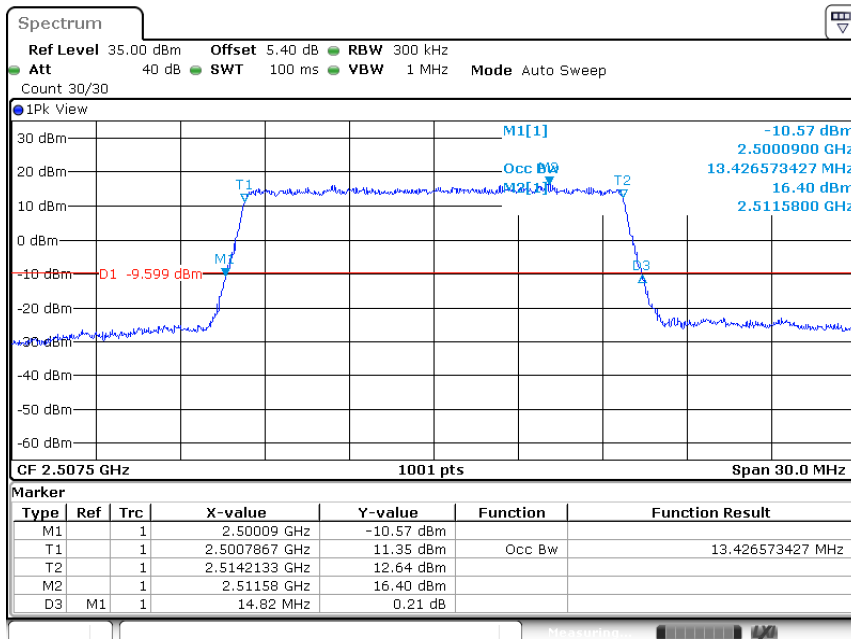
Band7-15MHz-QPSK-21375-75RB#0-13.457



Date: 11.OCT.2020 19:27:28

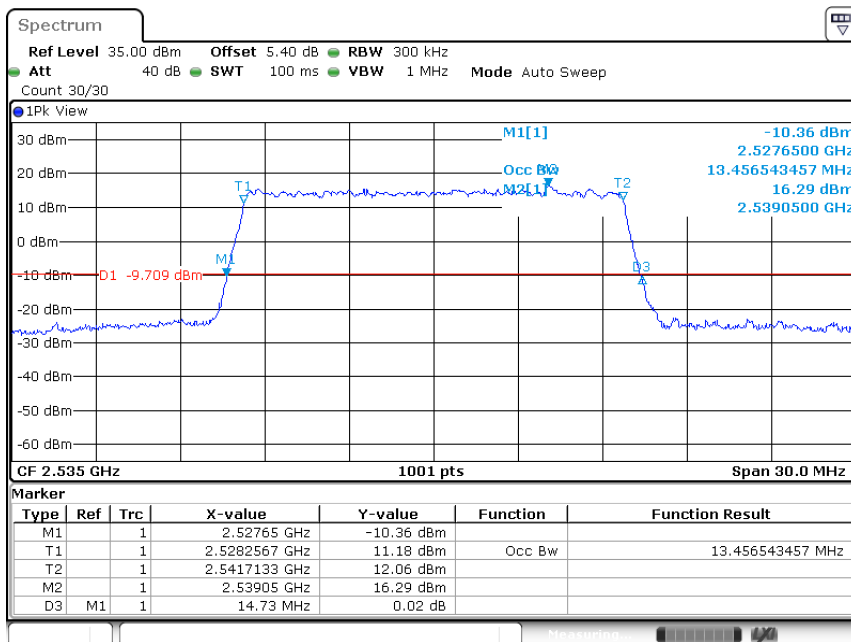


Band7-15MHz-16QAM-20825-75RB#0-13.427



Date: 11.OCT.2020 19:26:40

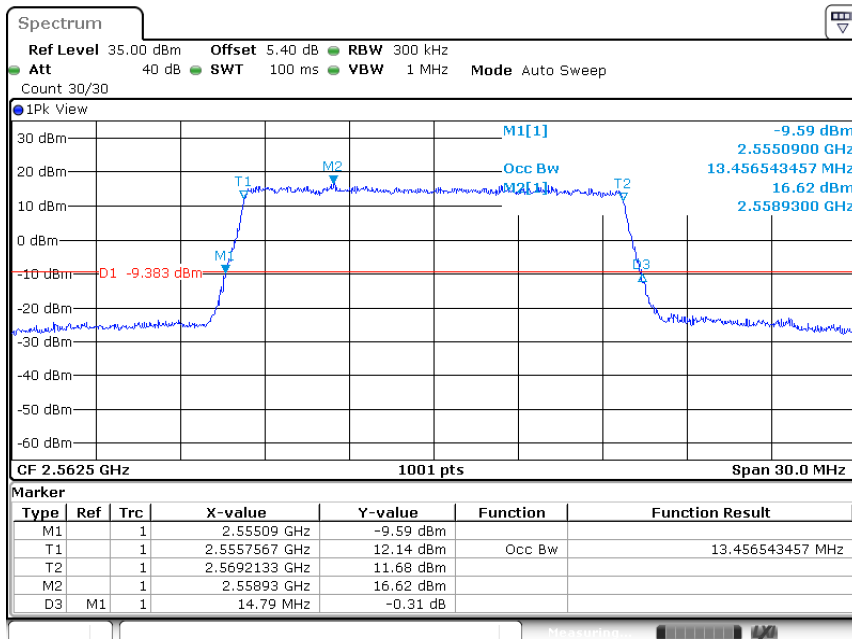
Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 11.OCT.2020 19:27:12

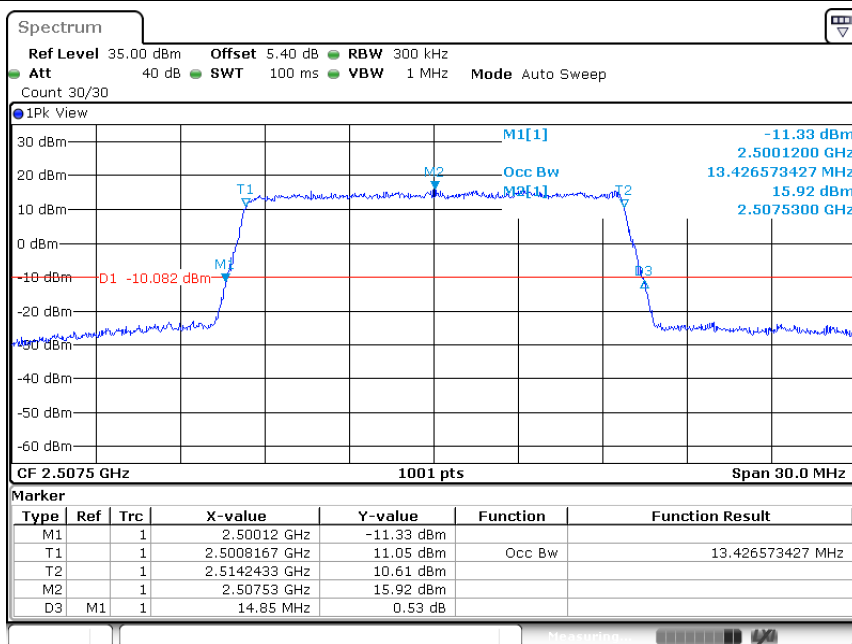


Band7-15MHz-16QAM-21375-75RB#0-13.457



Date: 11.OCT.2020 19:27:44

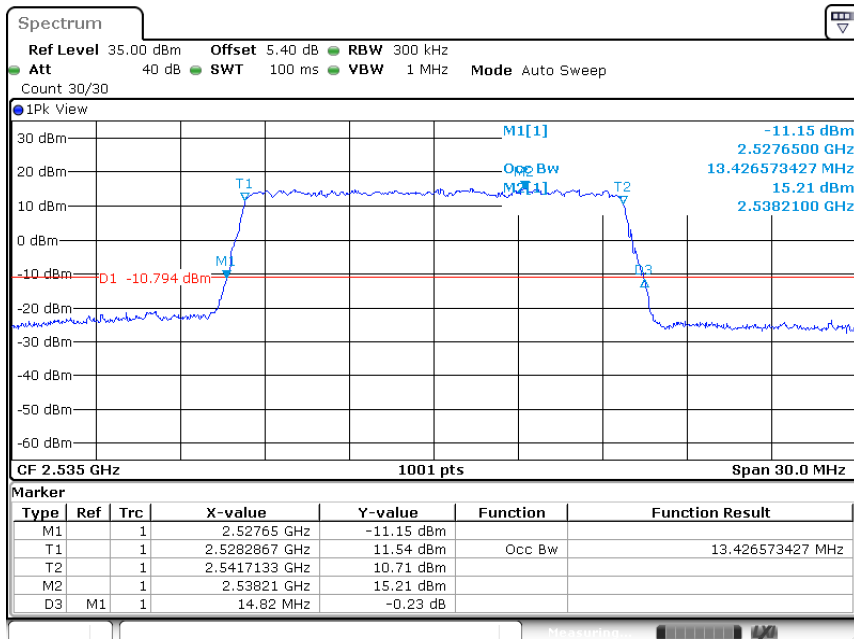
Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 14.OCT.2020 11:16:50

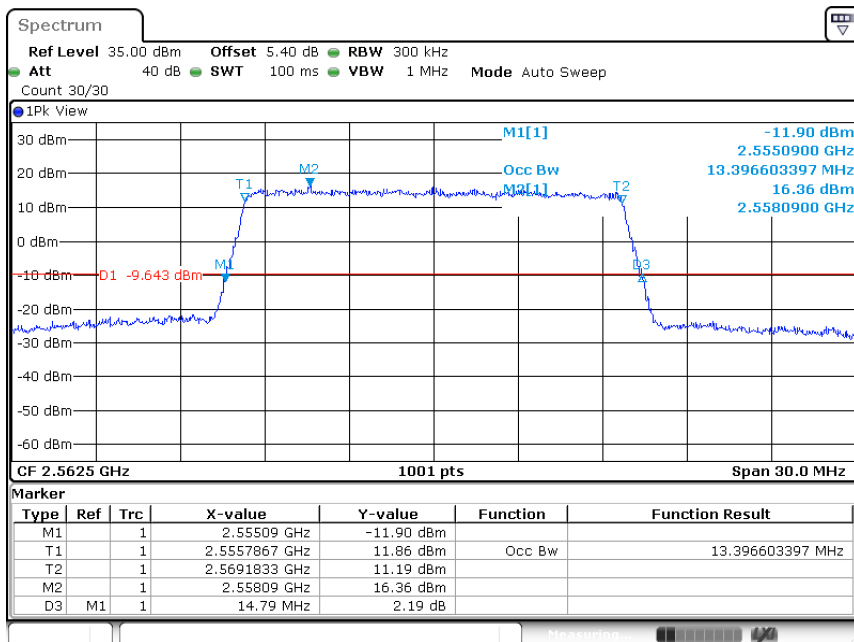


Band7-15MHz-64QAM-21100-75RB#0-13.427



Date: 14.OCT.2020 11:17:05

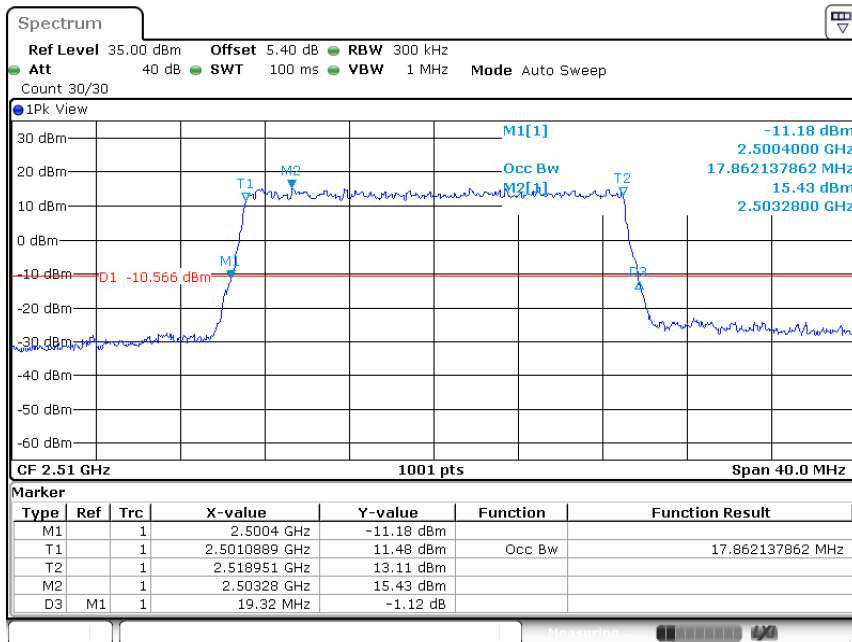
Band7-15MHz-64QAM-21375-75RB#0-13.397



Date: 14.OCT.2020 11:17:21

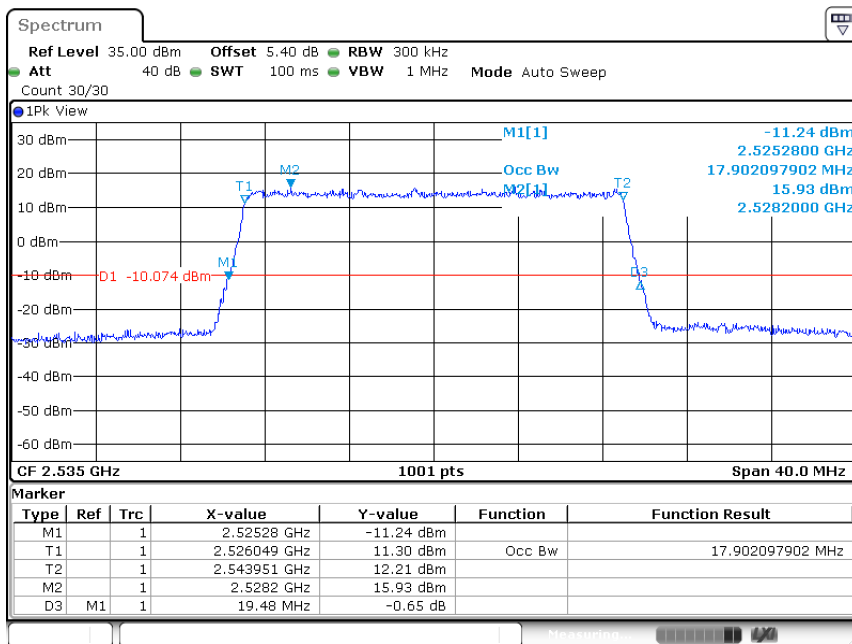


Band7-20MHz-QPSK-20850-100RB#0-17.862



Date: 11.OCT.2020 19:28:05

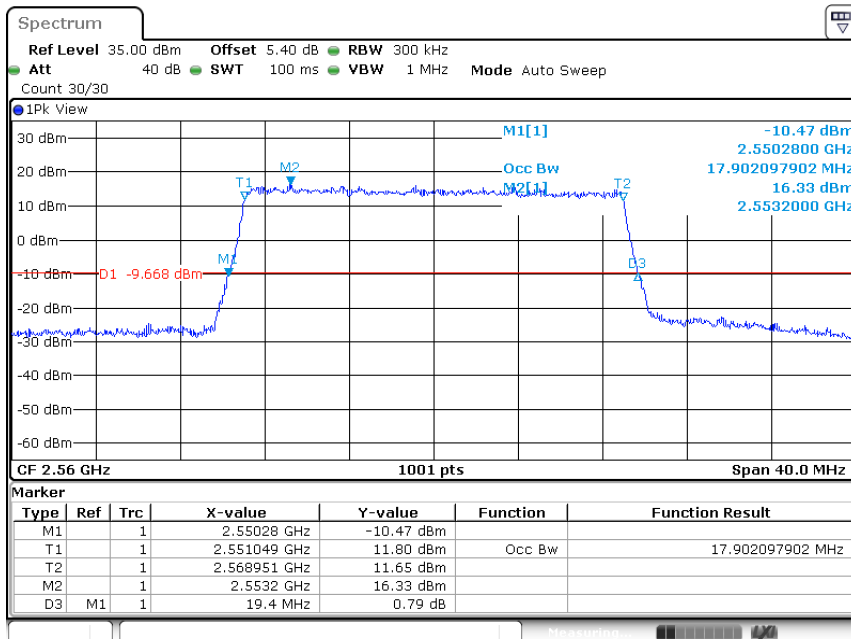
Band7-20MHz-QPSK-21100-100RB#0-17.902



Date: 11.OCT.2020 19:28:37

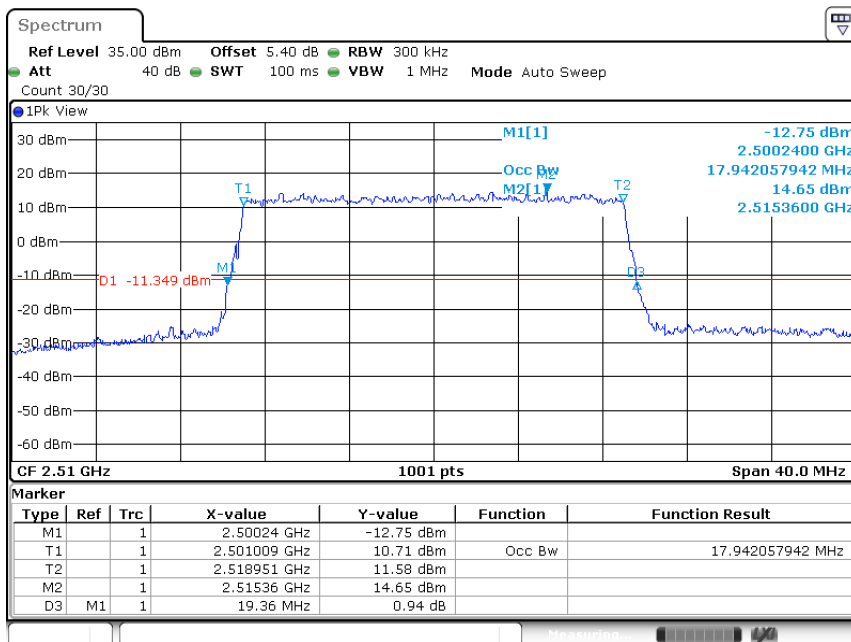


Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 11.OCT.2020 19:29:09

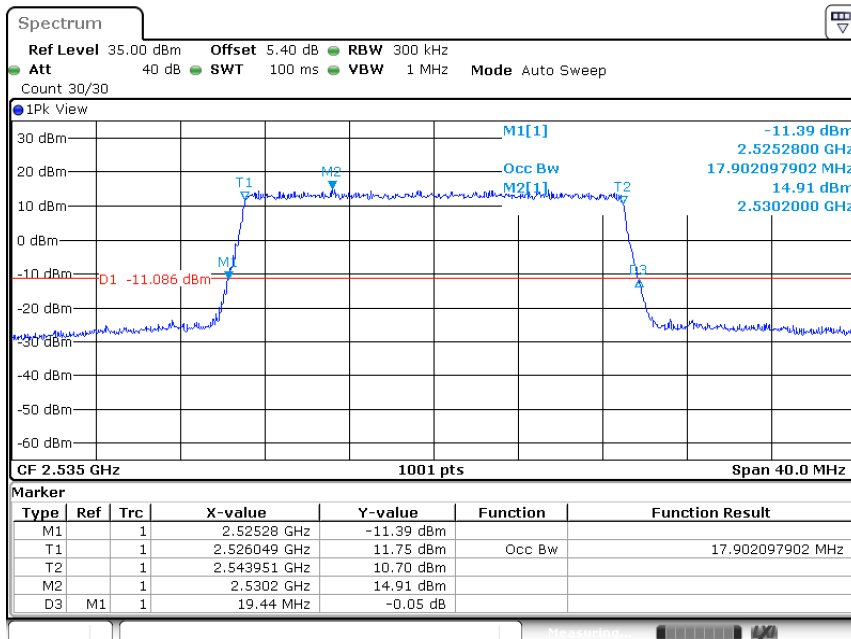
Band7-20MHz-16QAM-20850-100RB#0-17.942



Date: 11.OCT.2020 19:28:21

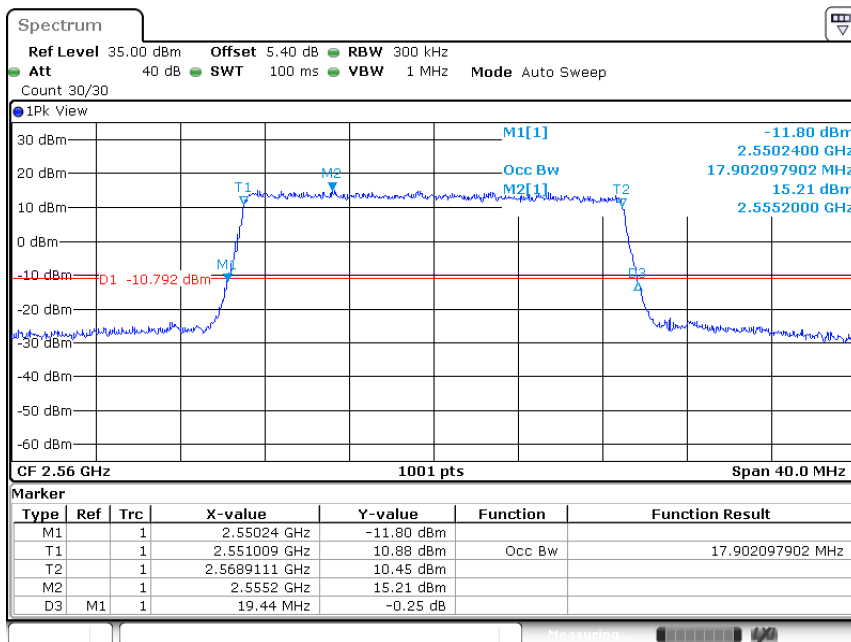


Band7-20MHz-16QAM-21100-100RB#0-17.902



Date: 11.OCT.2020 19:28:53

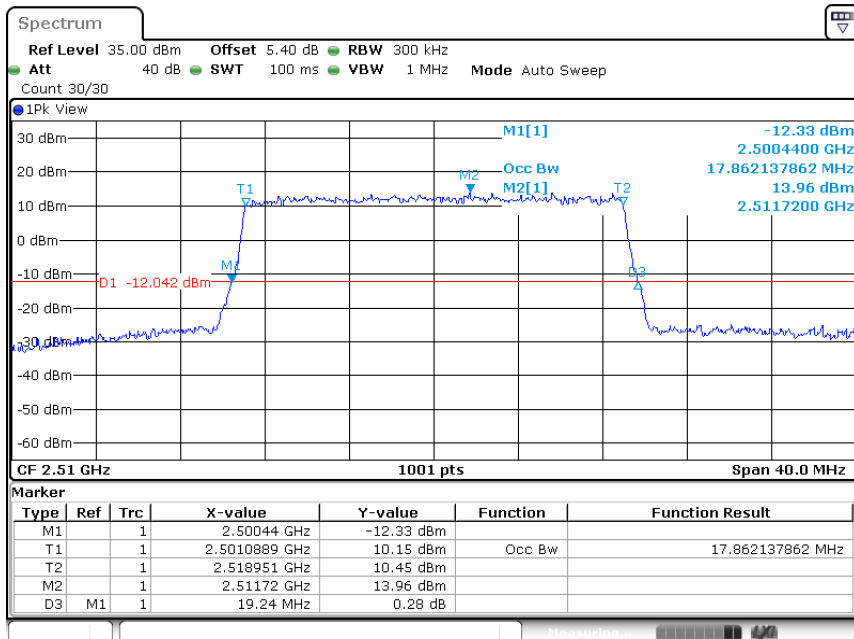
Band7-20MHz-16QAM-21350-100RB#0-17.902



Date: 11.OCT.2020 19:29:25

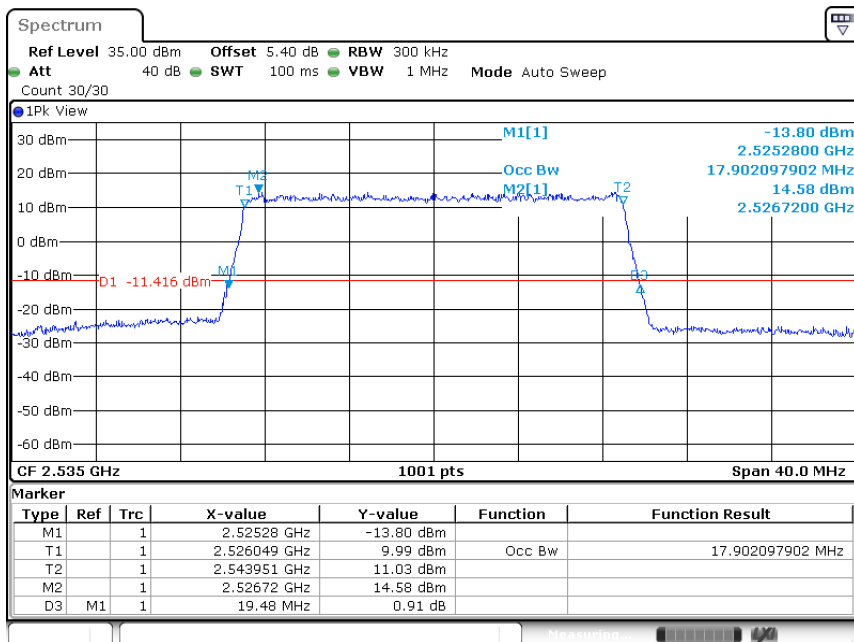


Band7-20MHz-64QAM-20850-100RB#0-17.862



Date: 14.OCT.2020 11:17:45

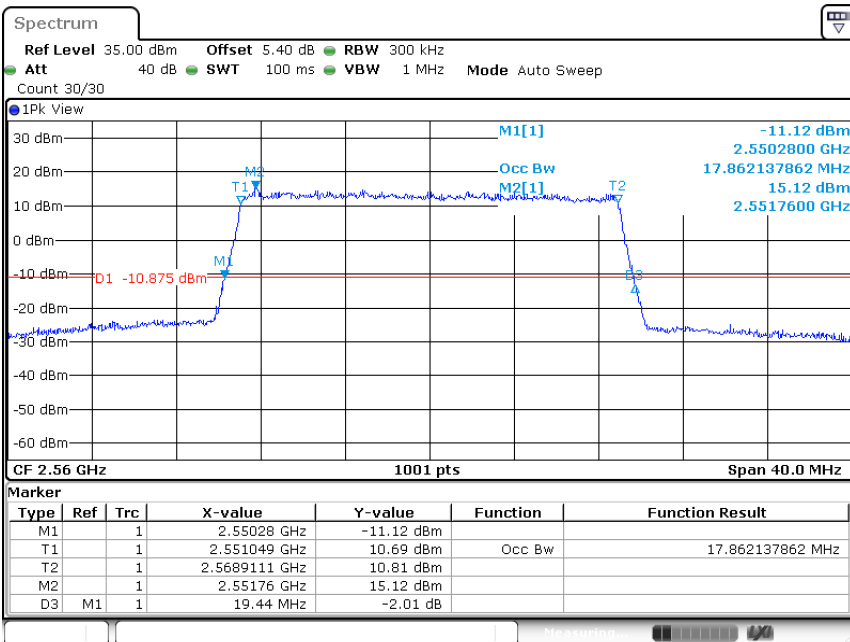
Band7-20MHz-64QAM-21100-100RB#0-17.902



Date: 14.OCT.2020 11:18:00



Band7-20MHz-64QAM-21350-100RB#0-17.862

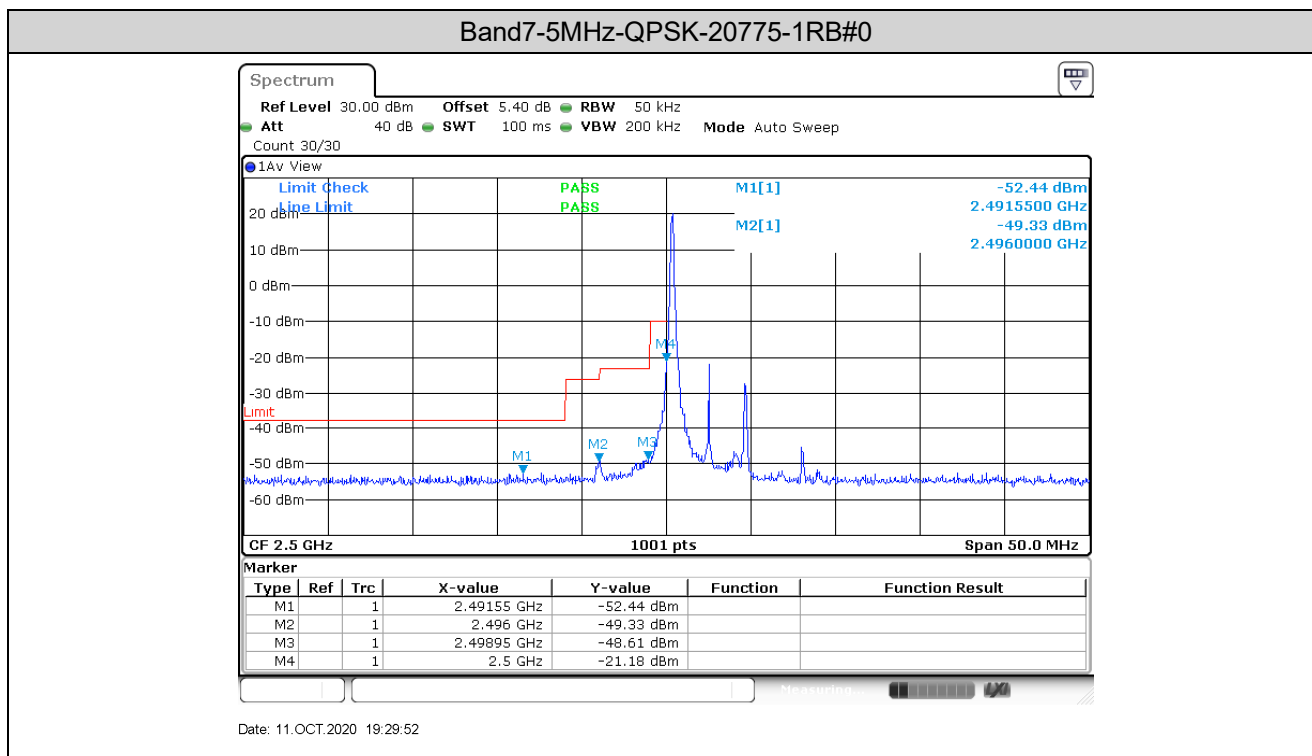


Date: 14.OCT.2020 11:18:16



5 Band Edge Compliance

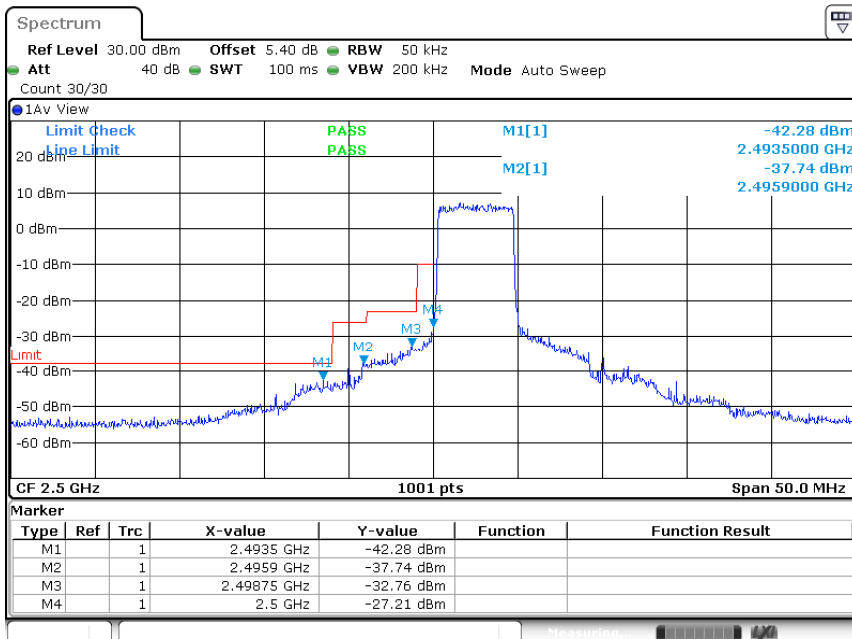
5.1 Test Plots



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.

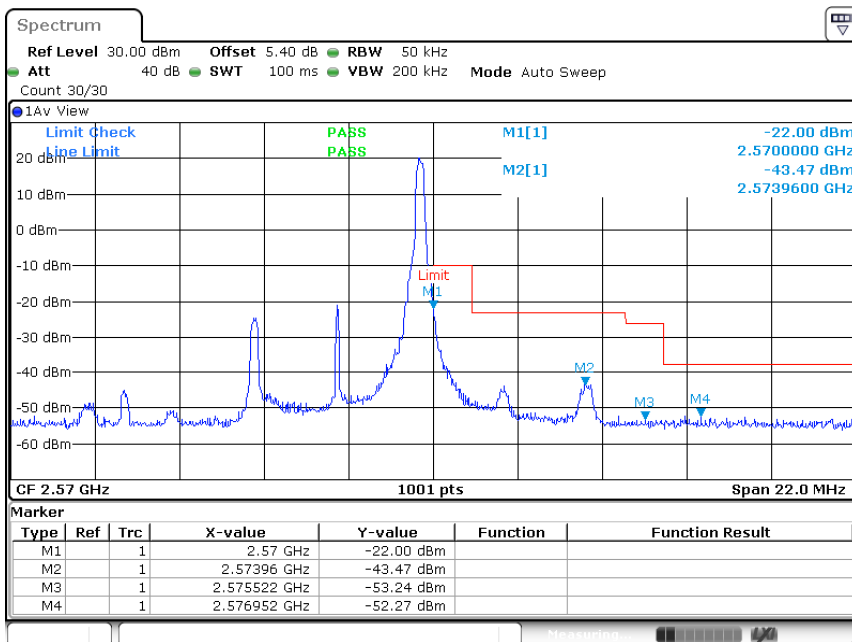
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band7-5MHz-QPSK-20775-25RB#0



Date: 11.OCT.2020 19:30:28

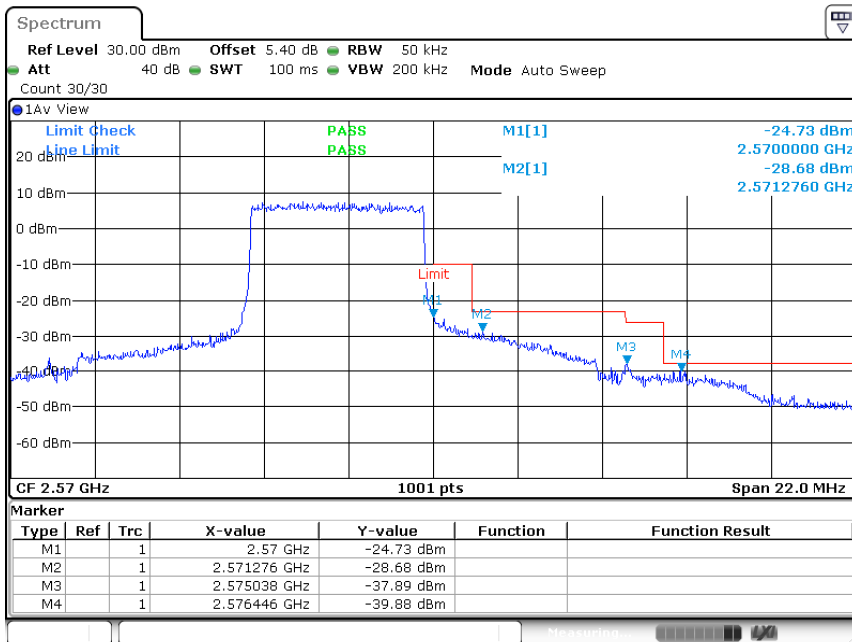
Band7-5MHz-QPSK-21425-1RB#24



Date: 11.OCT.2020 19:31:13

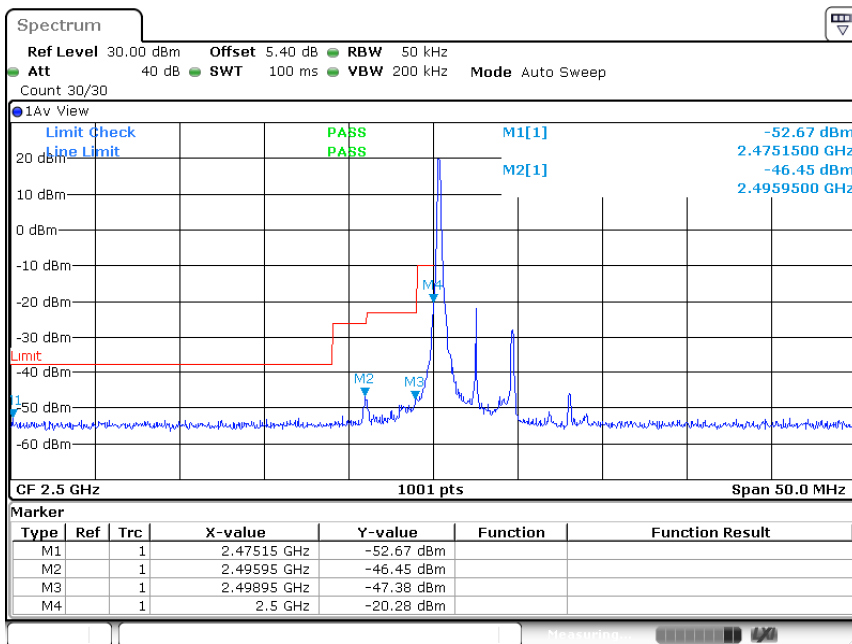


Band7-5MHz-QPSK-21425-25RB#0



Date: 11.OCT.2020 19:31:50

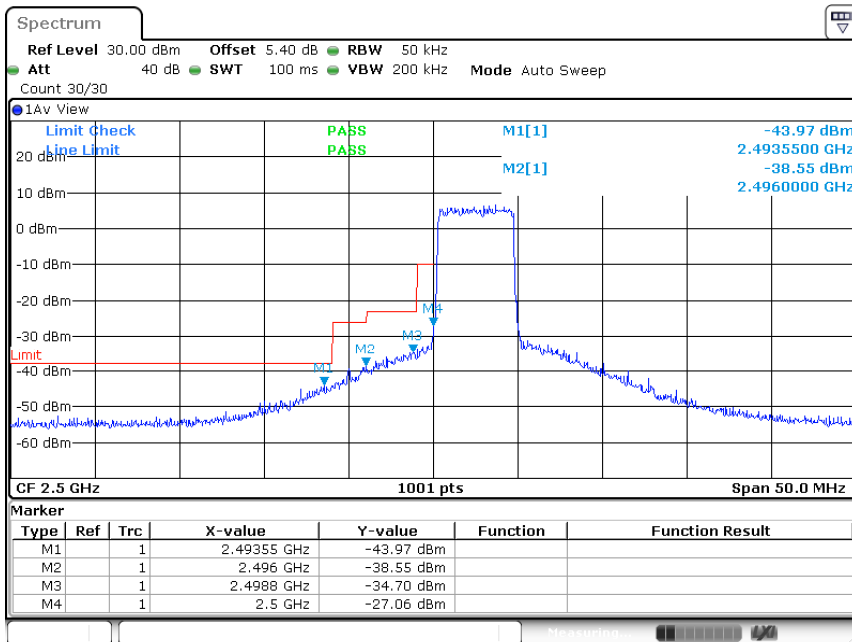
Band7-5MHz-16QAM-20775-1RB#0



Date: 11.OCT.2020 19:30:10

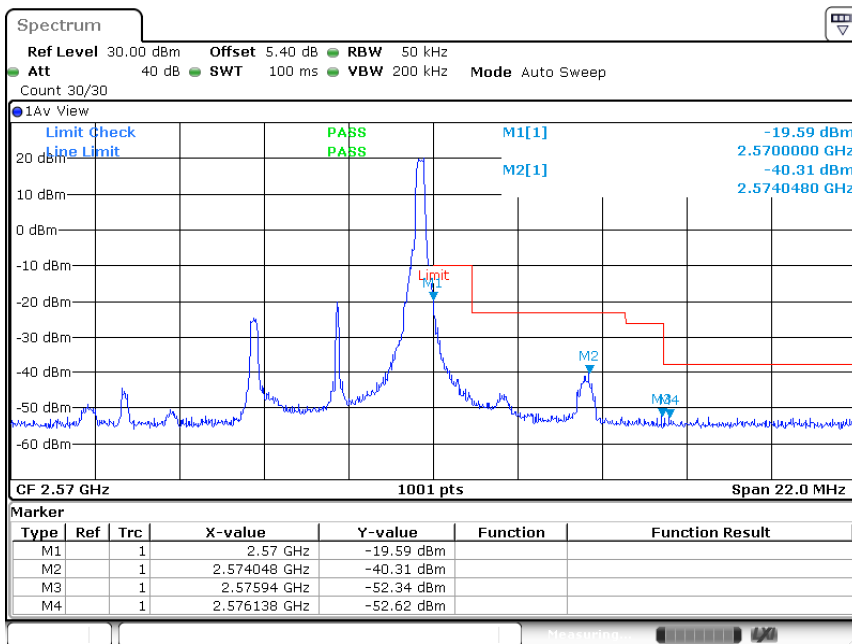


Band7-5MHz-16QAM-20775-25RB#0



Date: 11.OCT.2020 19:30:47

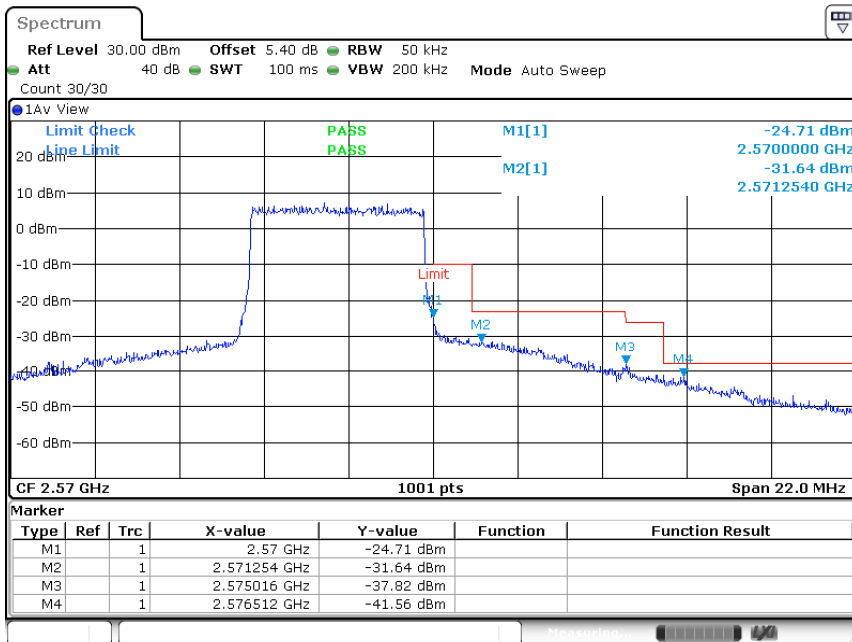
Band7-5MHz-16QAM-21425-1RB#24



Date: 11.OCT.2020 19:31:32

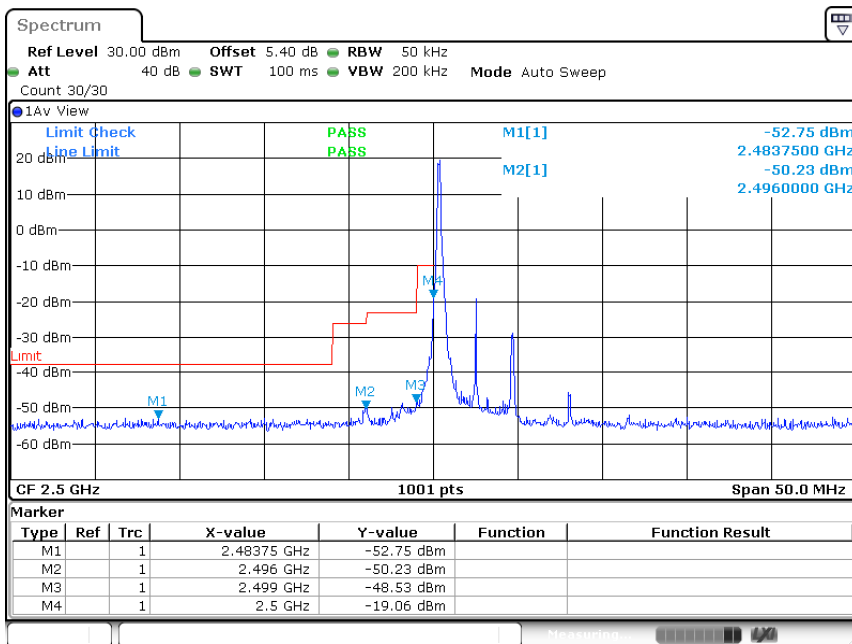


Band7-5MHz-16QAM-21425-25RB#0



Date: 11.OCT.2020 19:32:09

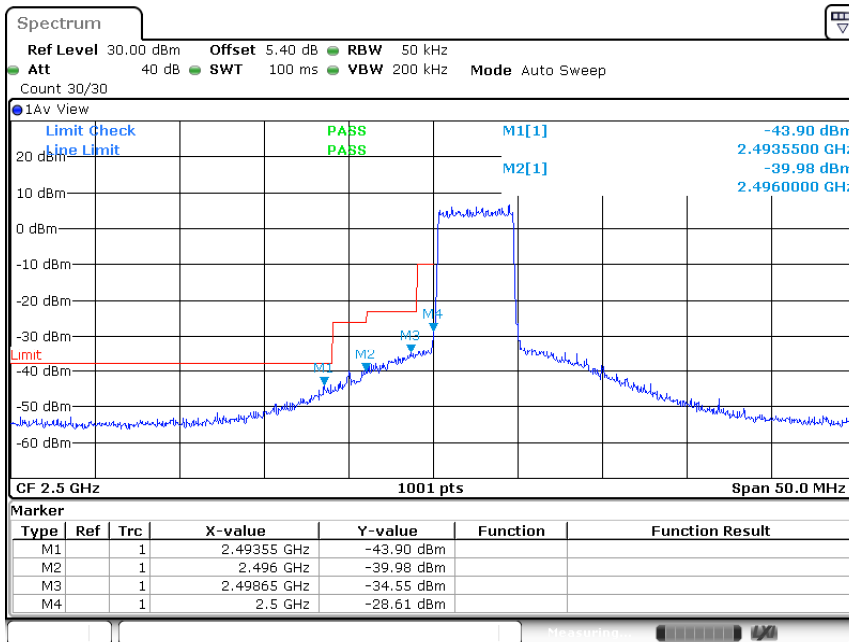
Band7-5MHz-64QAM-20775-1RB#0



Date: 14.OCT.2020 11:18:45

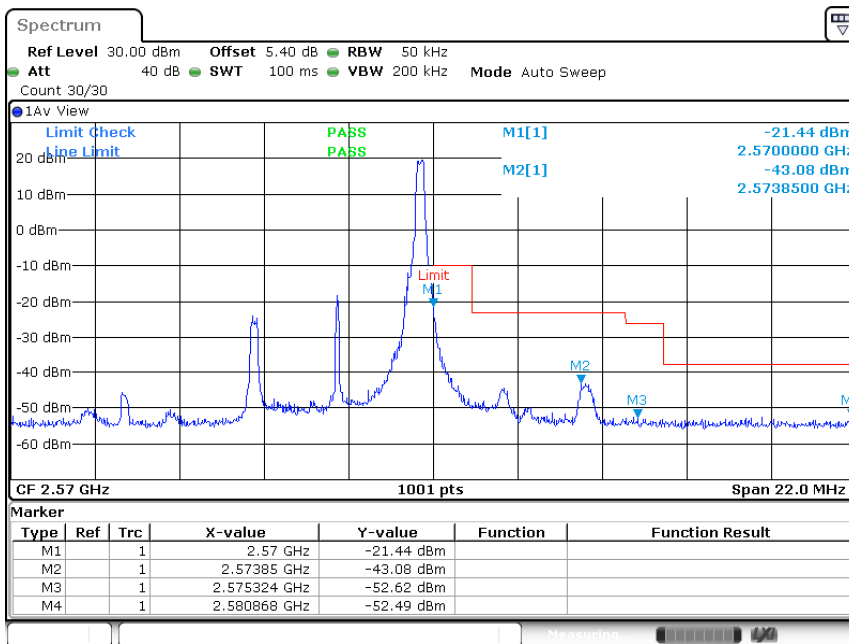


Band7-5MHz-64QAM-20775-25RB#0



Date: 14.OCT.2020 11:19:03

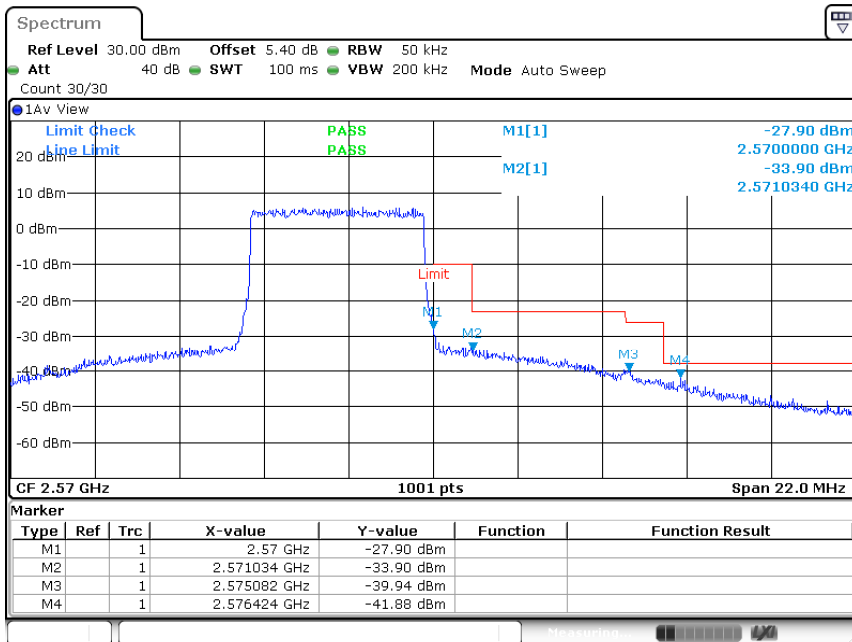
Band7-5MHz-64QAM-21425-1RB#24



Date: 14.OCT.2020 11:19:31

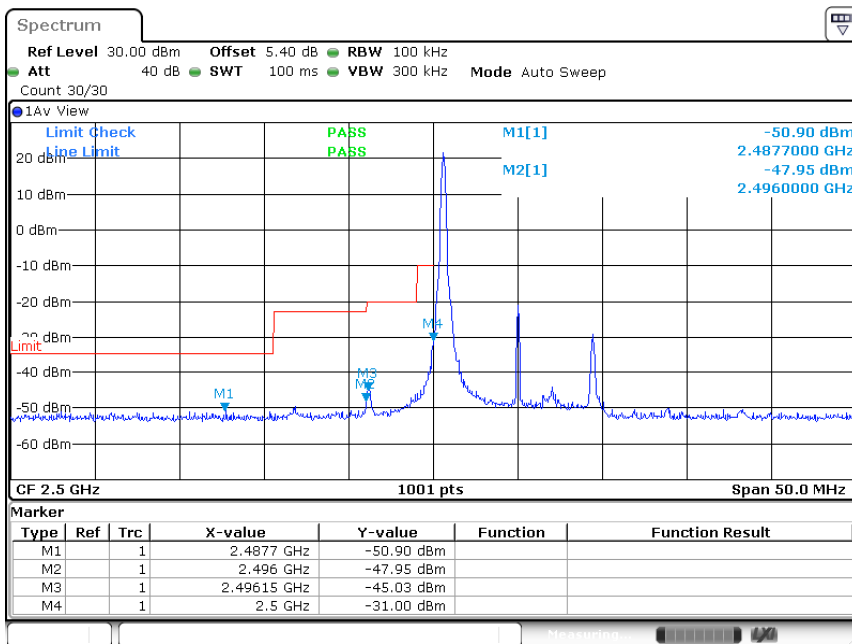


Band7-5MHz-64QAM-21425-25RB#0



Date: 14.OCT.2020 11:19:49

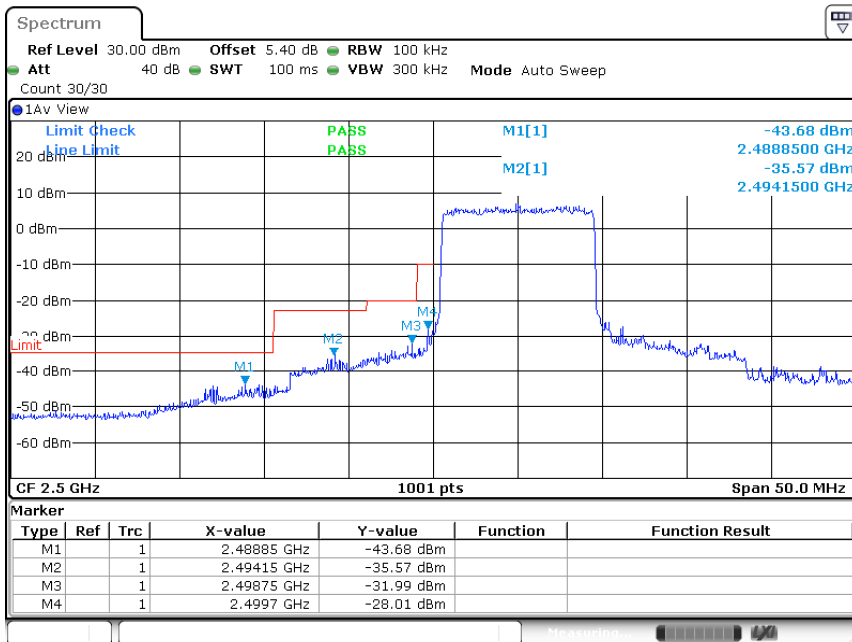
Band7-10MHz-QPSK-20800-1RB#0



Date: 11.OCT.2020 19:32:36

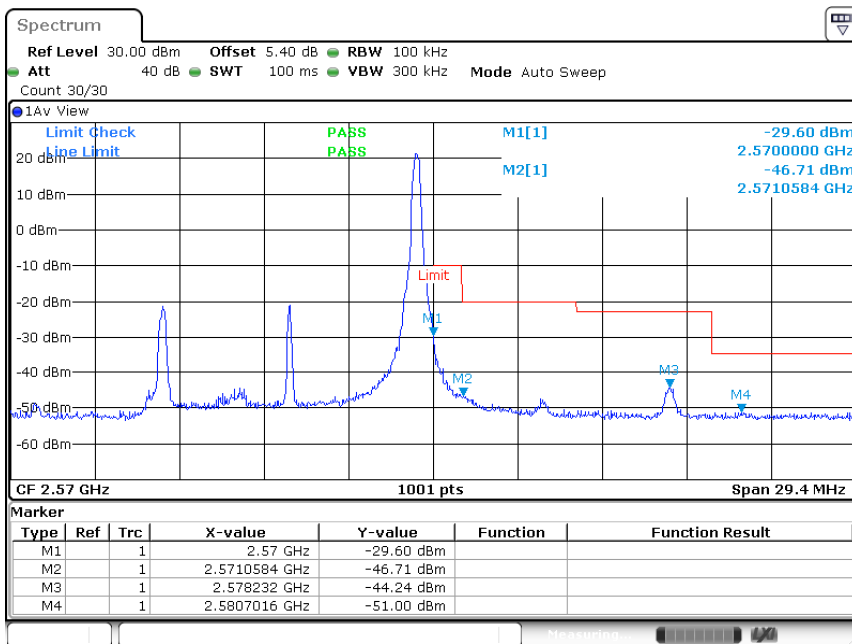


Band7-10MHz-QPSK-20800-50RB#0



Date: 11.OCT.2020 19:33:12

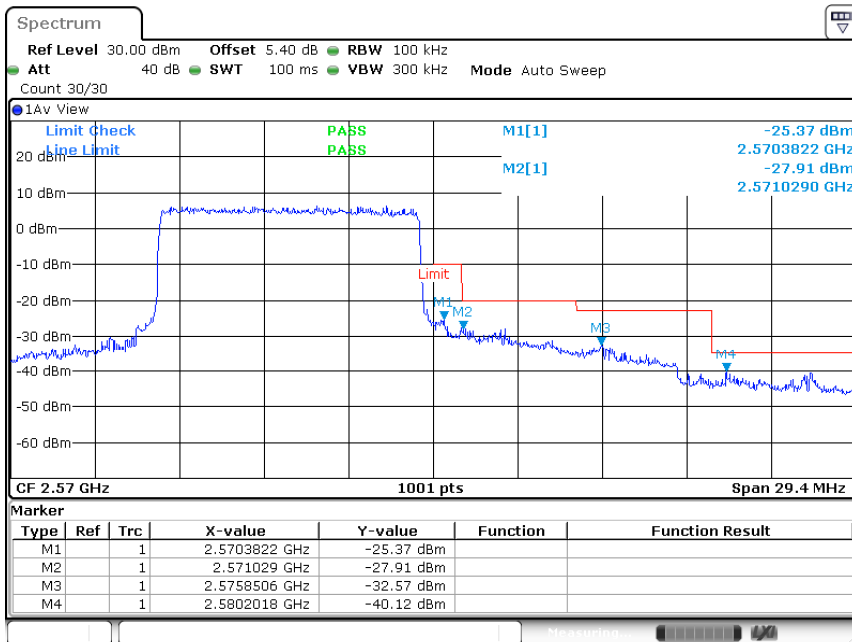
Band7-10MHz-QPSK-21400-1RB#49



Date: 11.OCT.2020 19:33:57

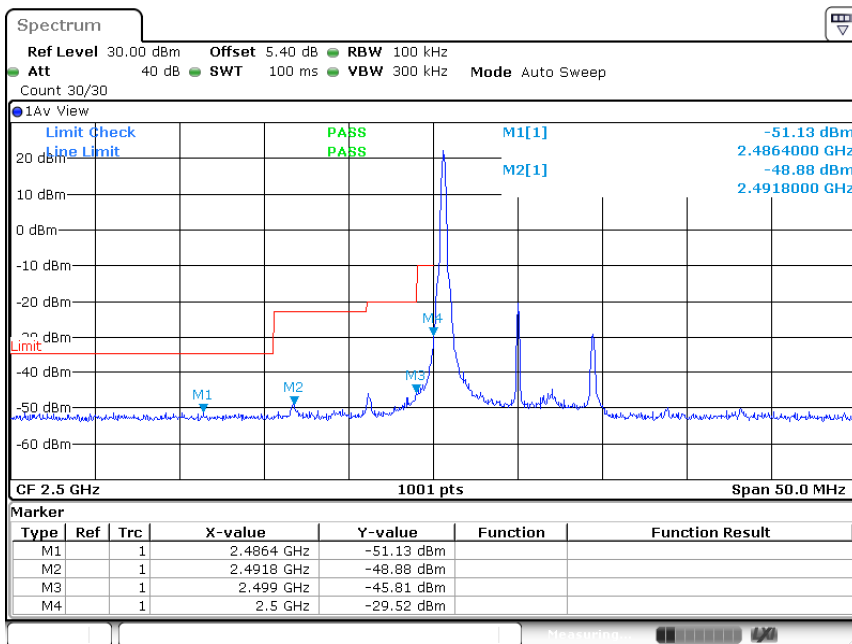


Band7-10MHz-QPSK-21400-50RB#0



Date: 11.OCT.2020 19:34:34

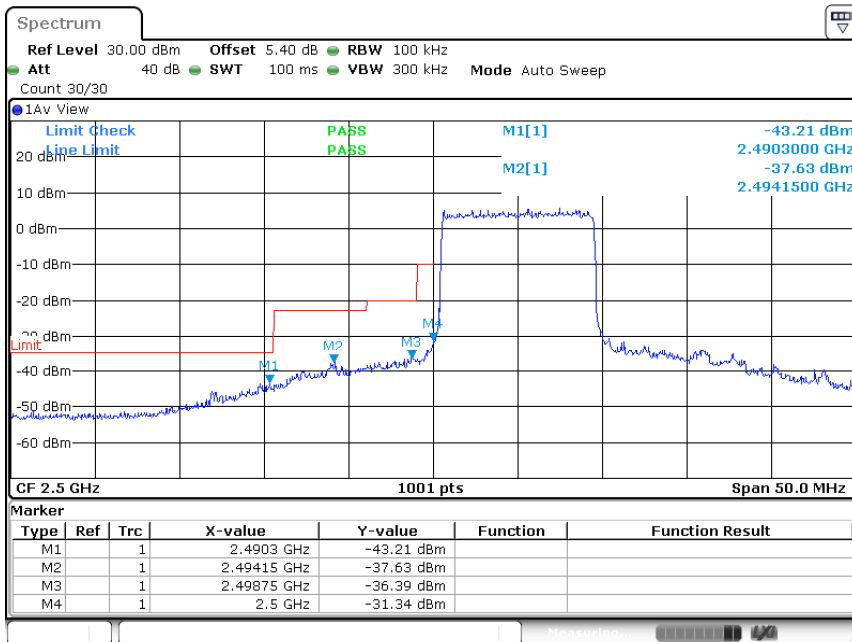
Band7-10MHz-16QAM-20800-1RB#0



Date: 11.OCT.2020 19:32:54

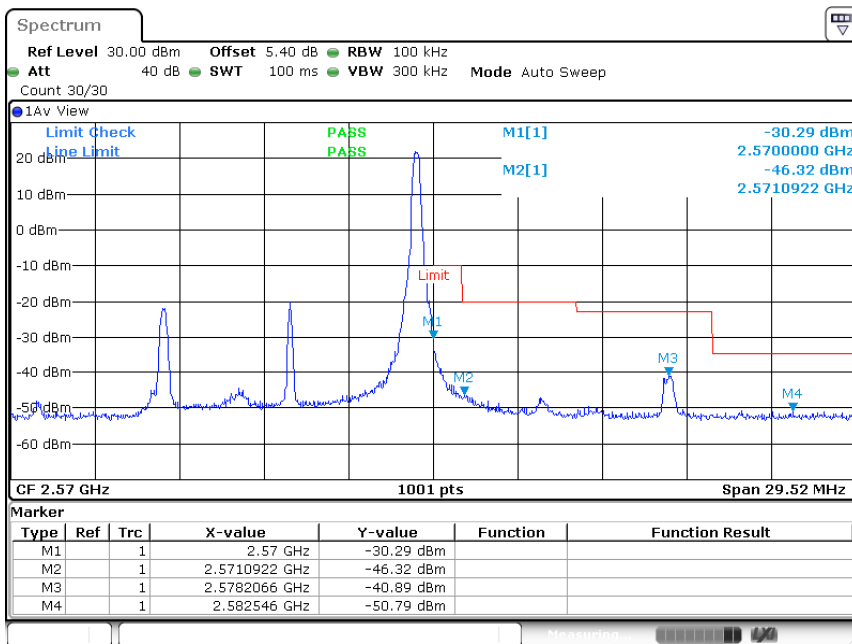


Band7-10MHz-16QAM-20800-50RB#0



Date: 11.OCT.2020 19:33:31

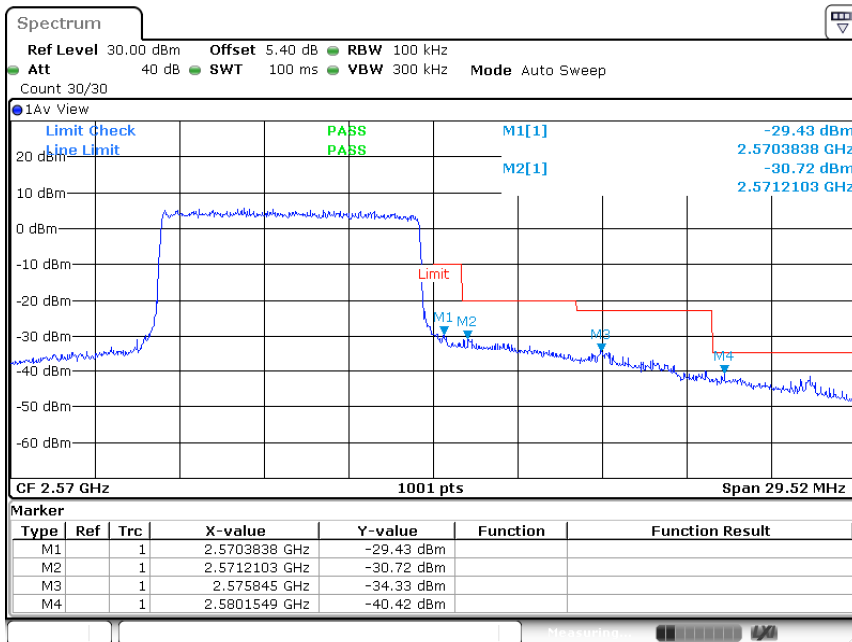
Band7-10MHz-16QAM-21400-1RB#49



Date: 11.OCT.2020 19:34:15

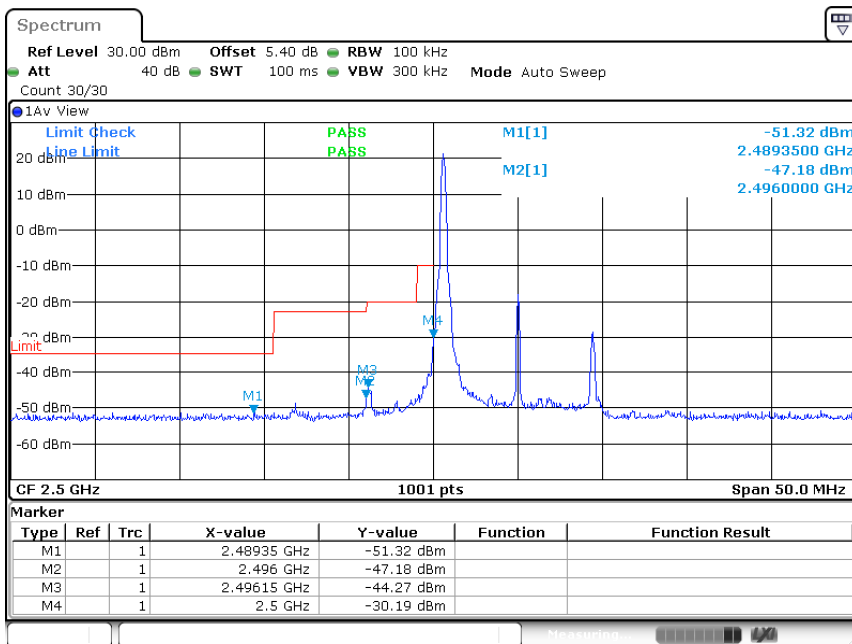


Band7-10MHz-16QAM-21400-50RB#0



Date: 11.OCT.2020 19:34:52

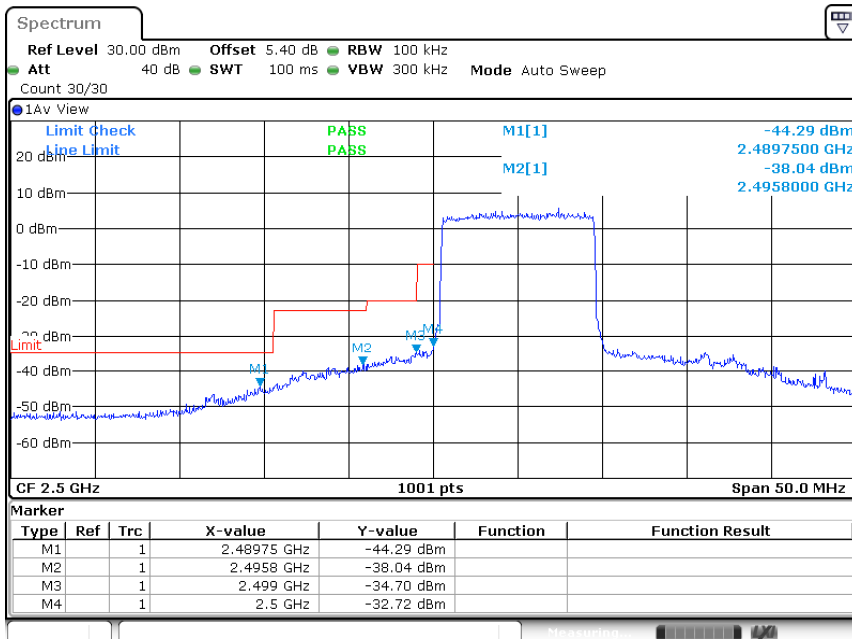
Band7-10MHz-64QAM-20800-1RB#0



Date: 14.OCT.2020 11:20:18

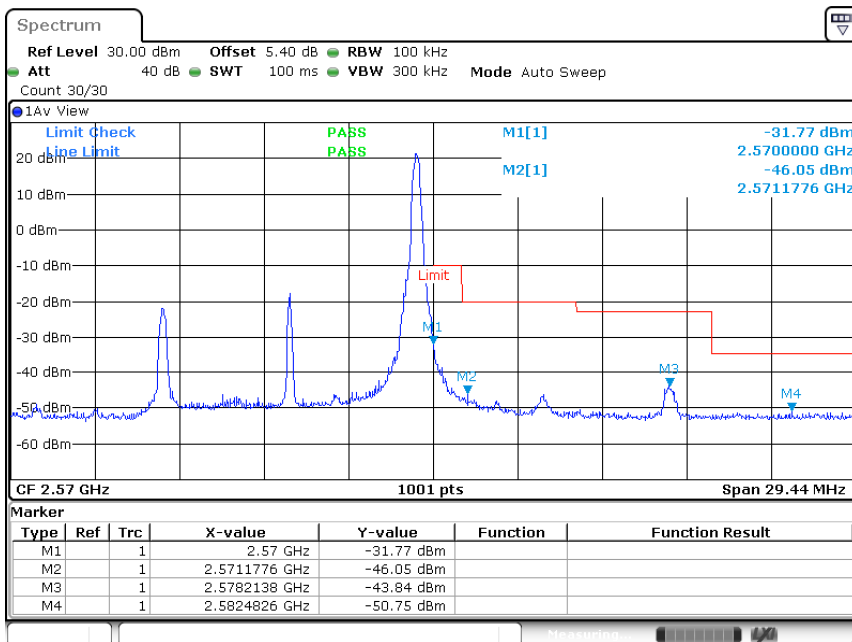


Band7-10MHz-64QAM-20800-50RB#0



Date: 14.OCT.2020 11:20:36

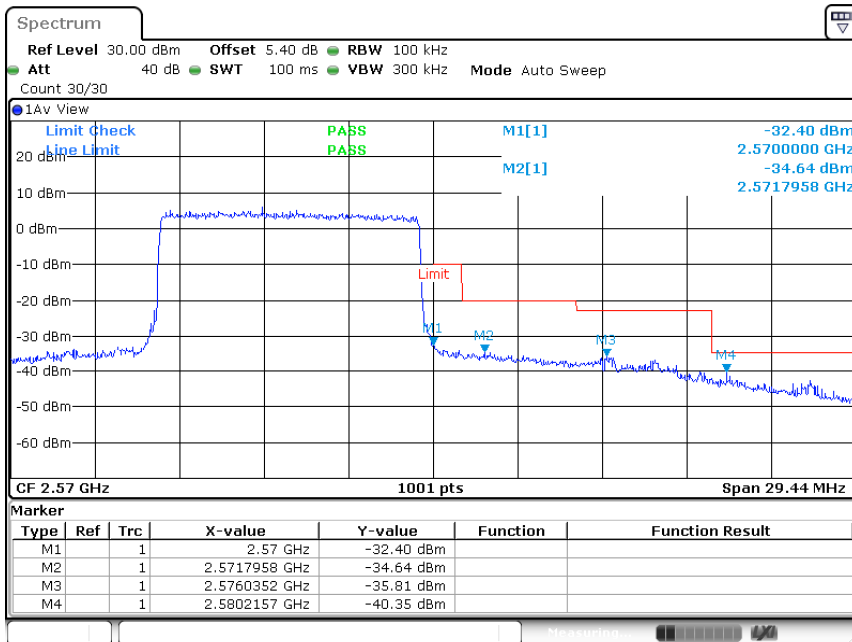
Band7-10MHz-64QAM-21400-1RB#49



Date: 14.OCT.2020 11:21:03

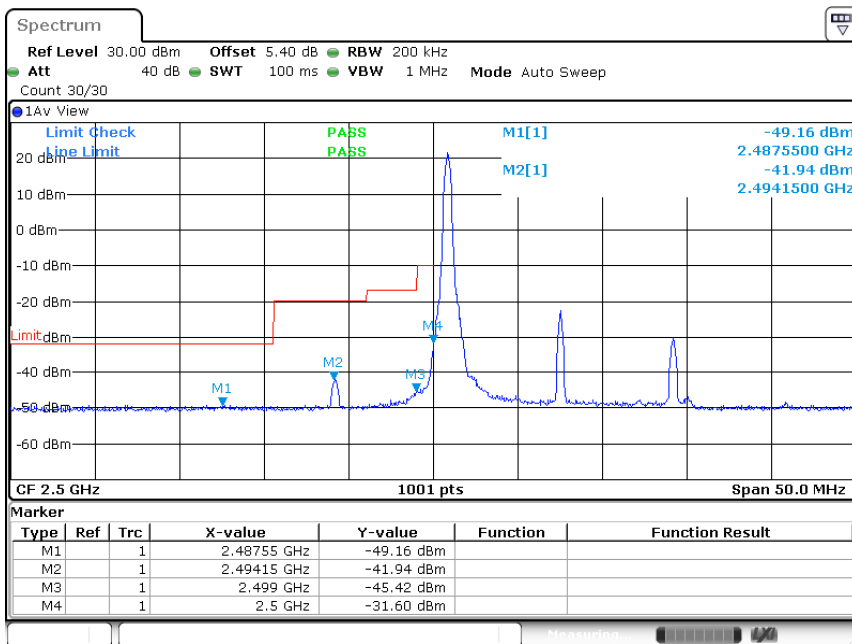


Band7-10MHz-64QAM-21400-50RB#0



Date: 14.OCT.2020 11:21:22

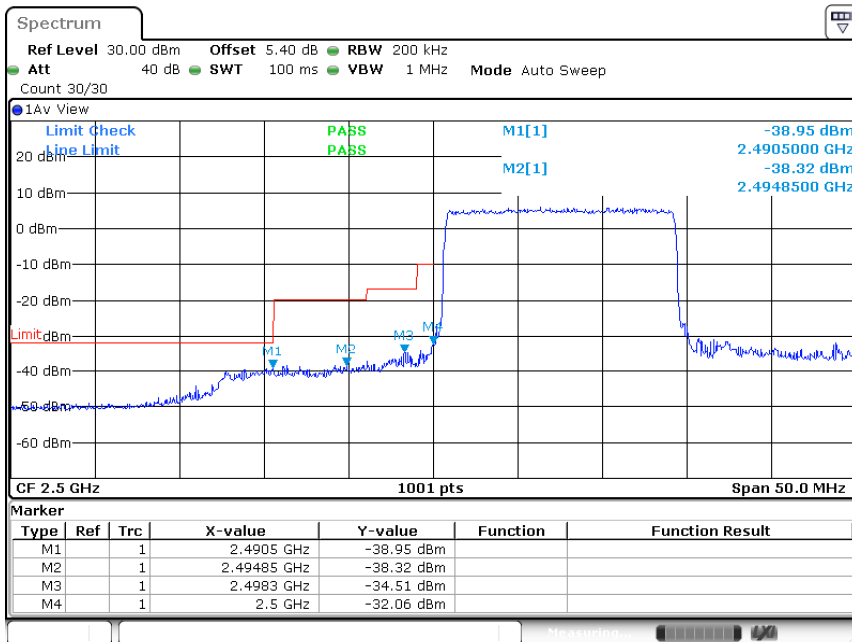
Band7-15MHz-QPSK-20825-1RB#0



Date: 11.OCT.2020 19:35:18

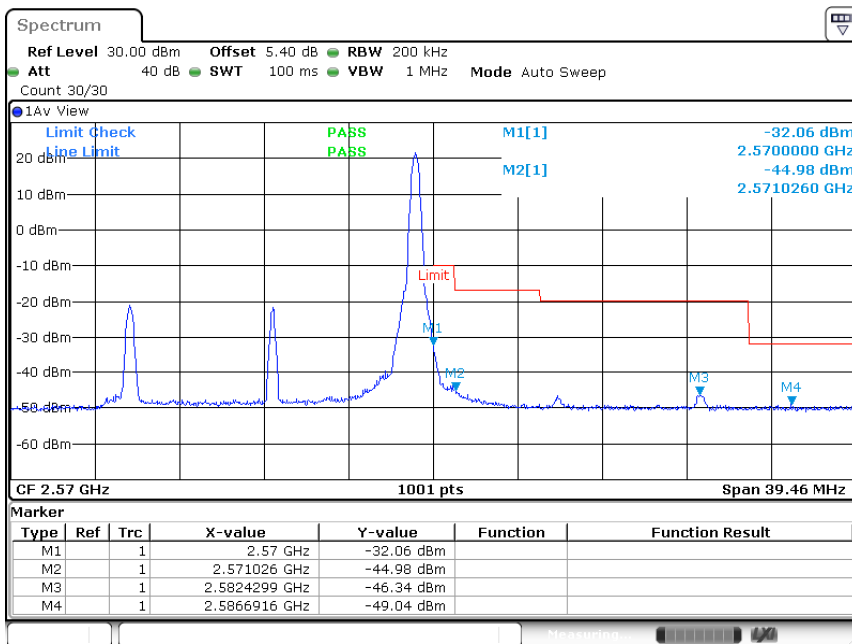


Band7-15MHz-QPSK-20825-75RB#0



Date: 11.OCT.2020 19:35:55

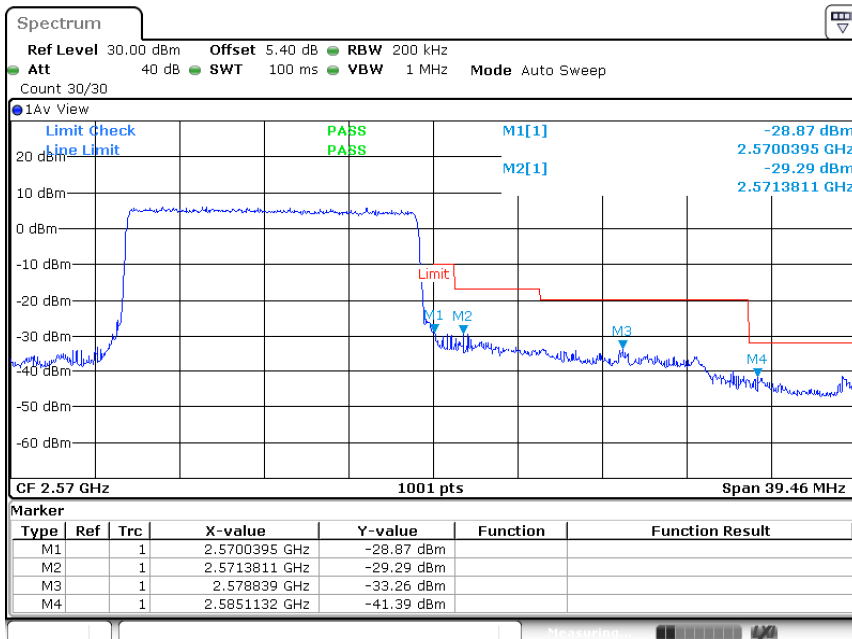
Band7-15MHz-QPSK-21375-1RB#74



Date: 11.OCT.2020 19:36:39

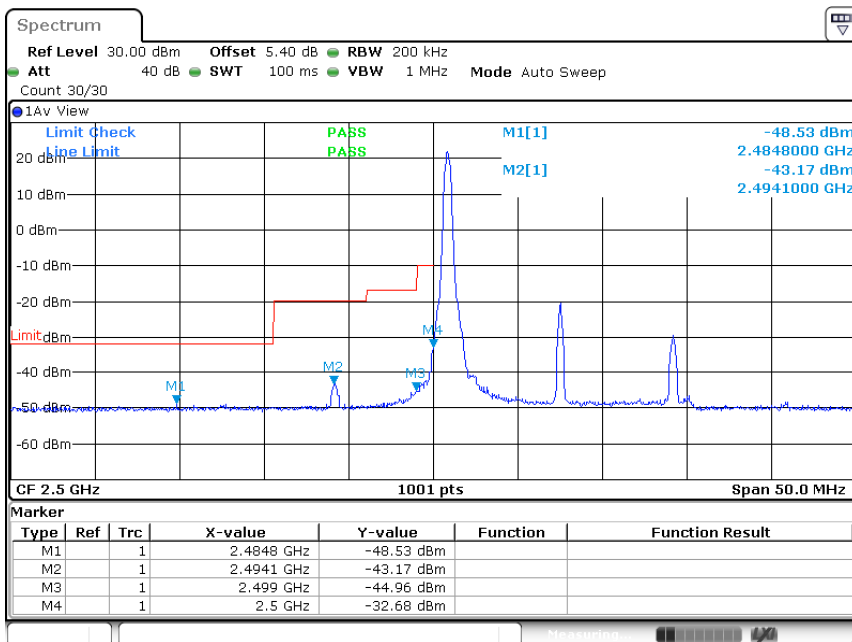


Band7-15MHz-QPSK-21375-75RB#0



Date: 11.OCT.2020 19:37:16

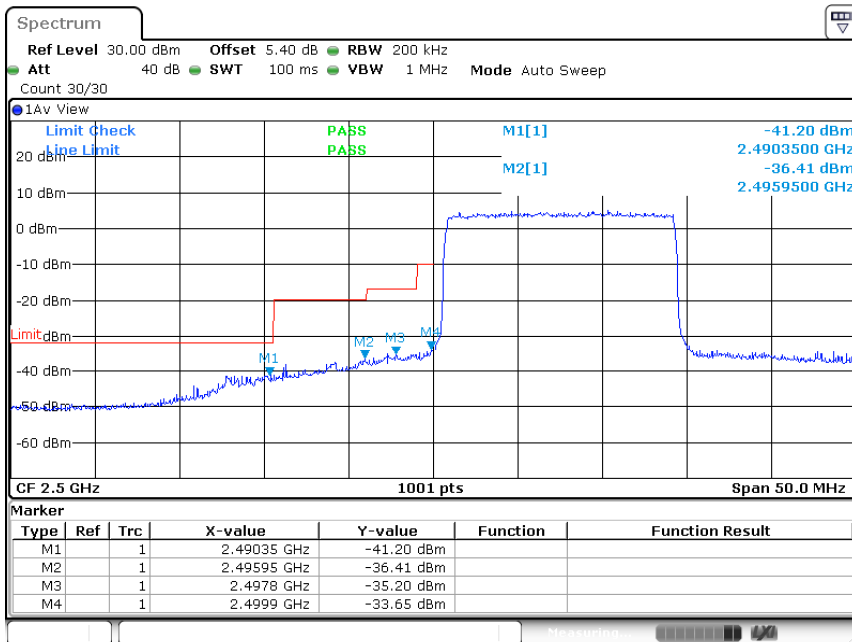
Band7-15MHz-16QAM-20825-1RB#0



Date: 11.OCT.2020 19:35:37

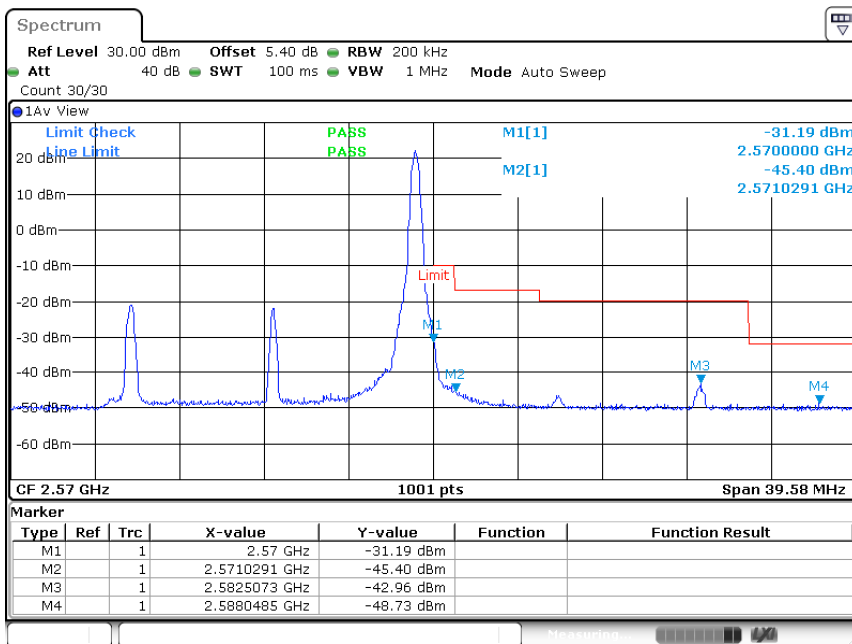


Band7-15MHz-16QAM-20825-75RB#0



Date: 11.OCT.2020 19:36:13

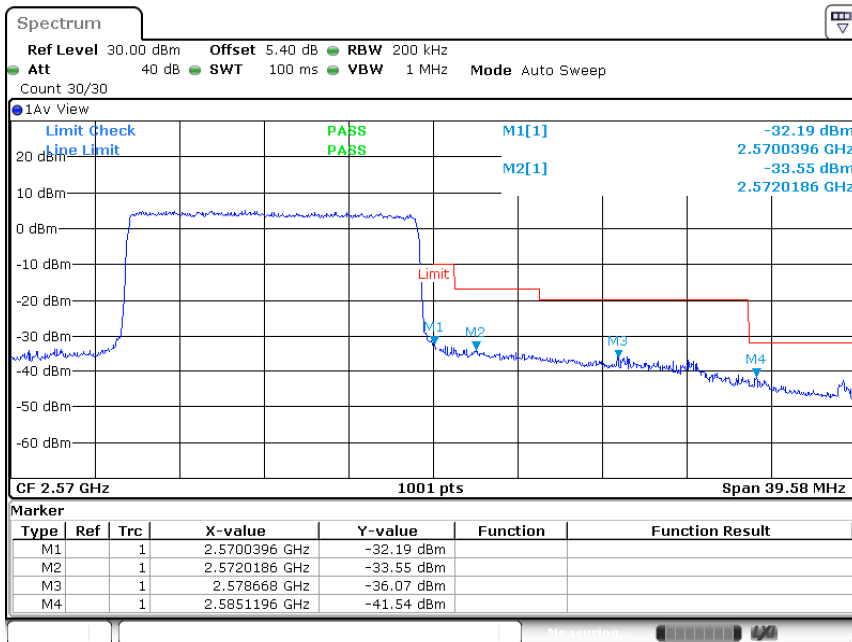
Band7-15MHz-16QAM-21375-1RB#74



Date: 11.OCT.2020 19:36:58

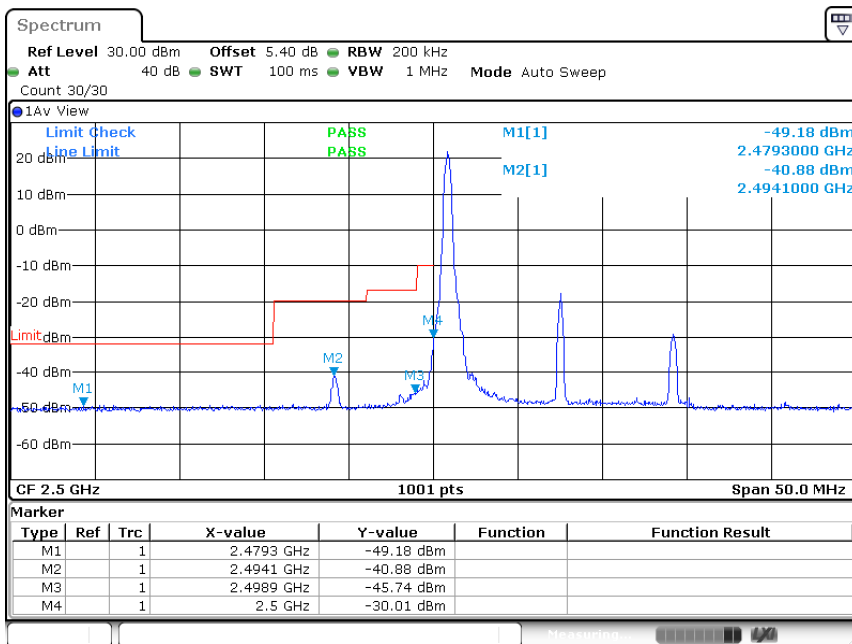


Band7-15MHz-16QAM-21375-75RB#0



Date: 11.OCT.2020 19:37:35

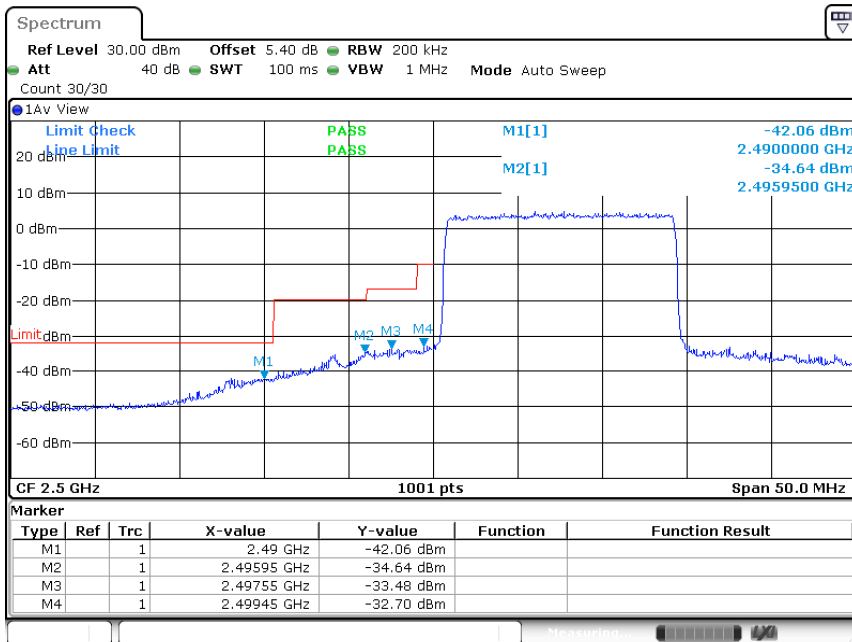
Band7-15MHz-64QAM-20825-1RB#0



Date: 14.OCT.2020 11:21:50

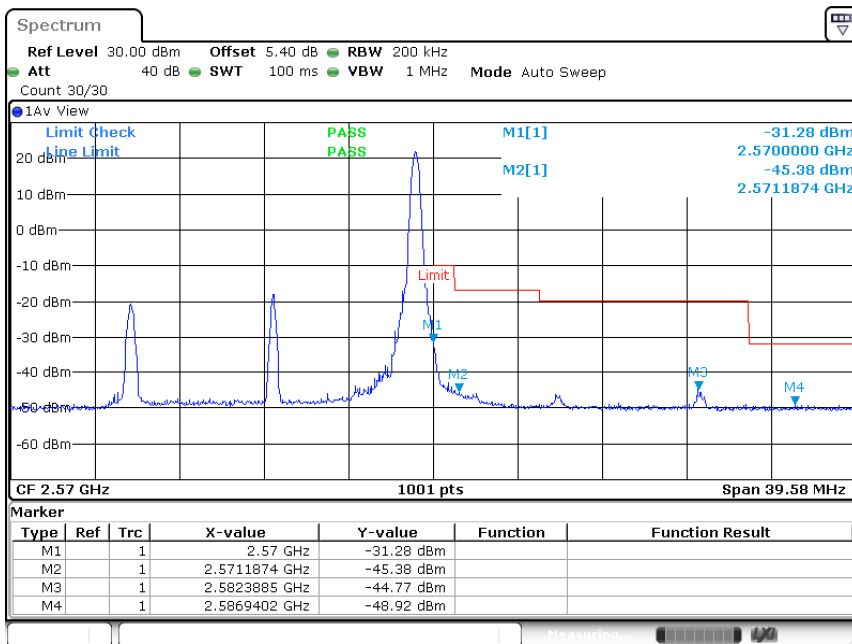


Band7-15MHz-64QAM-20825-75RB#0



Date: 14.OCT.2020 11:22:08

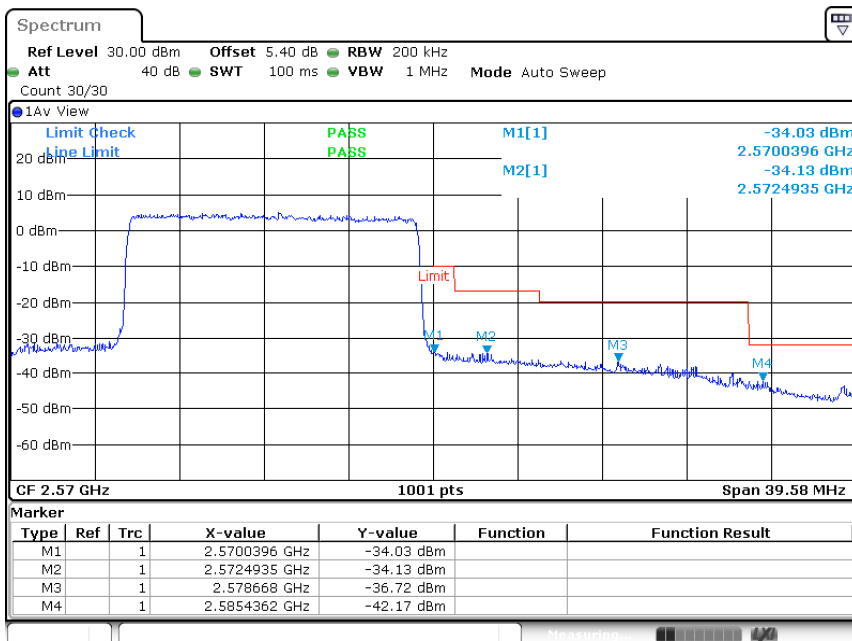
Band7-15MHz-64QAM-21375-1RB#74



Date: 14.OCT.2020 11:22:36

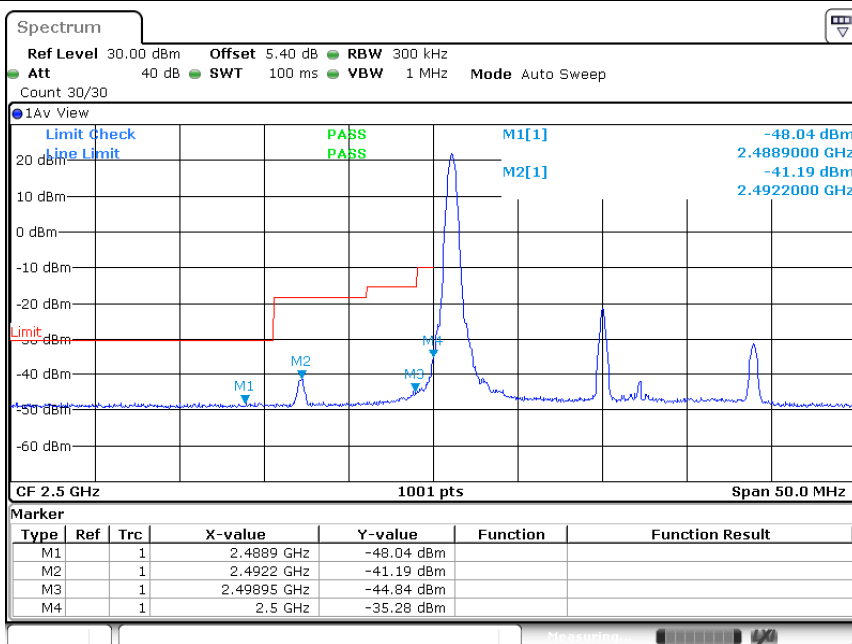


Band7-15MHz-64QAM-21375-75RB#0



Date: 14.OCT.2020 11:22:54

Band7-20MHz-QPSK-20850-1RB#0



Date: 11 OCT 2020 19:38:02



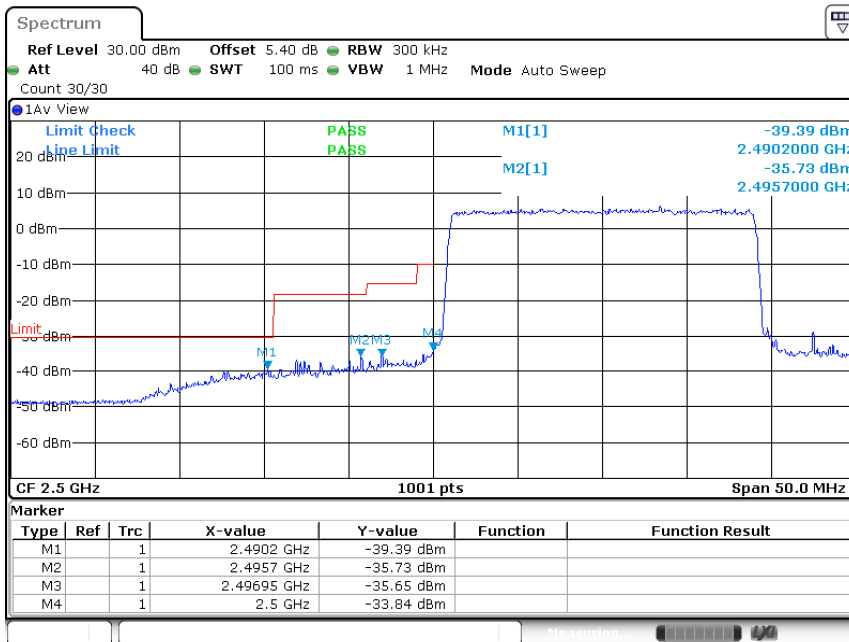
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is 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 the document does not exonerate parties to a contract from their legal obligations and the consequences of non-compliance with the law. The Company's intervention is limited, 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.

For more information on the availability of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Boeckner@sgs.com.

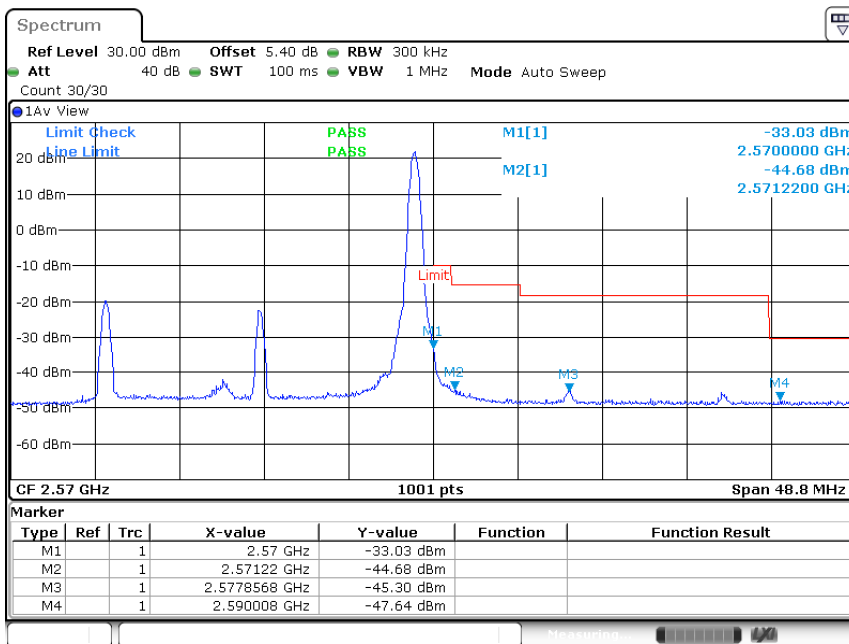
中国·深圳·科技园中区M-10-1栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band7-20MHz-QPSK-20850-100RB#0



Date: 11.OCT.2020 19:38:39

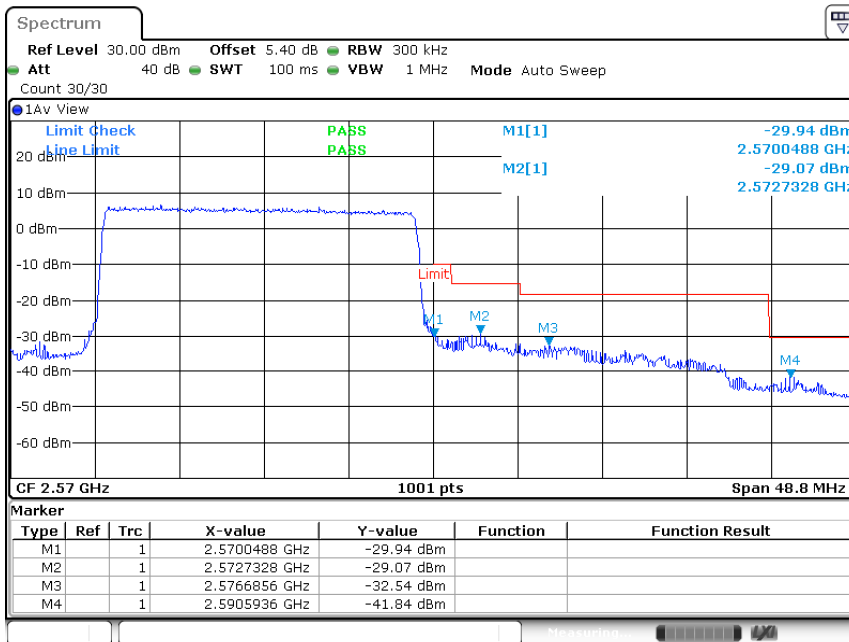
Band7-20MHz-QPSK-21350-1RB#99



Date: 11.OCT.2020 19:39:23

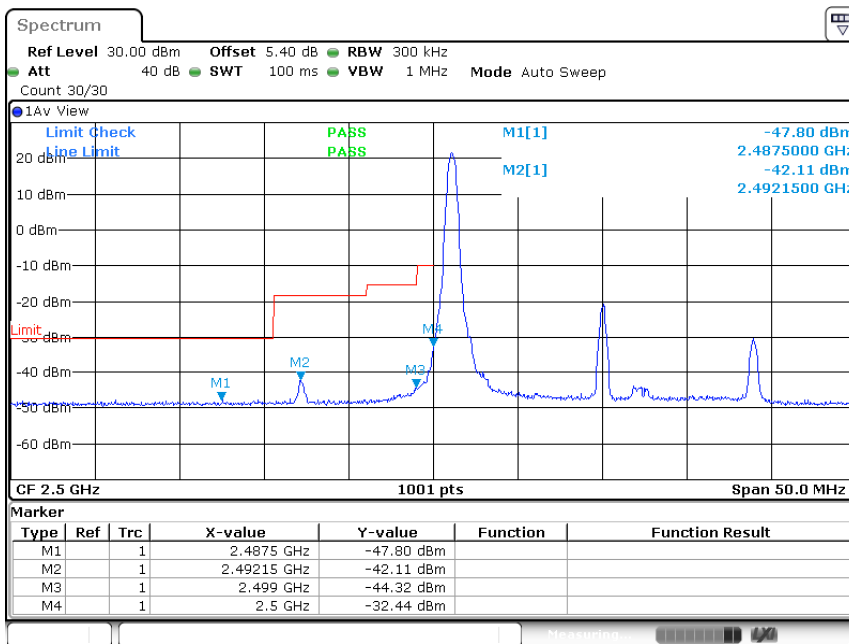


Band7-20MHz-QPSK-21350-100RB#0



Date: 11.OCT.2020 19:40:00

Band7-20MHz-16QAM-20850-1RB#0

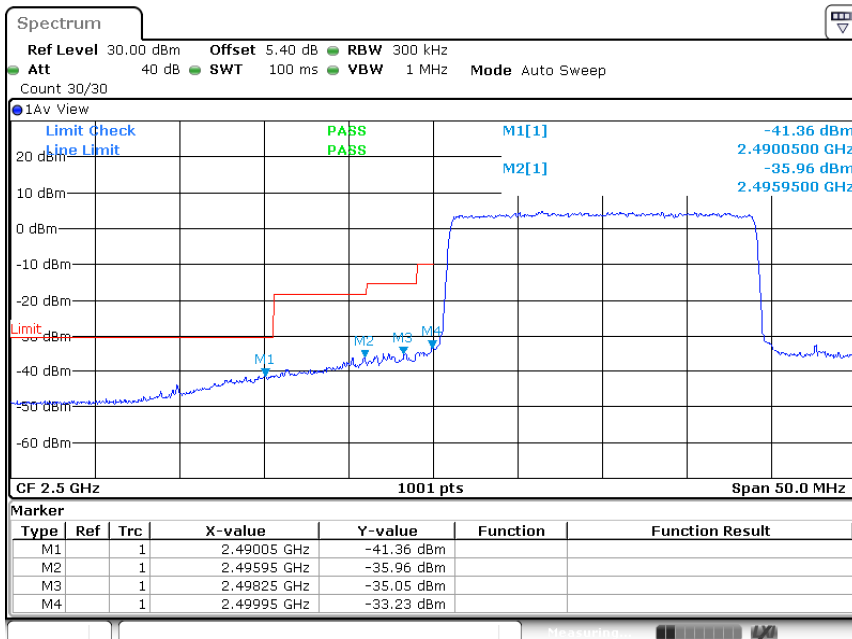


Date: 11.OCT.2020 19:38:20



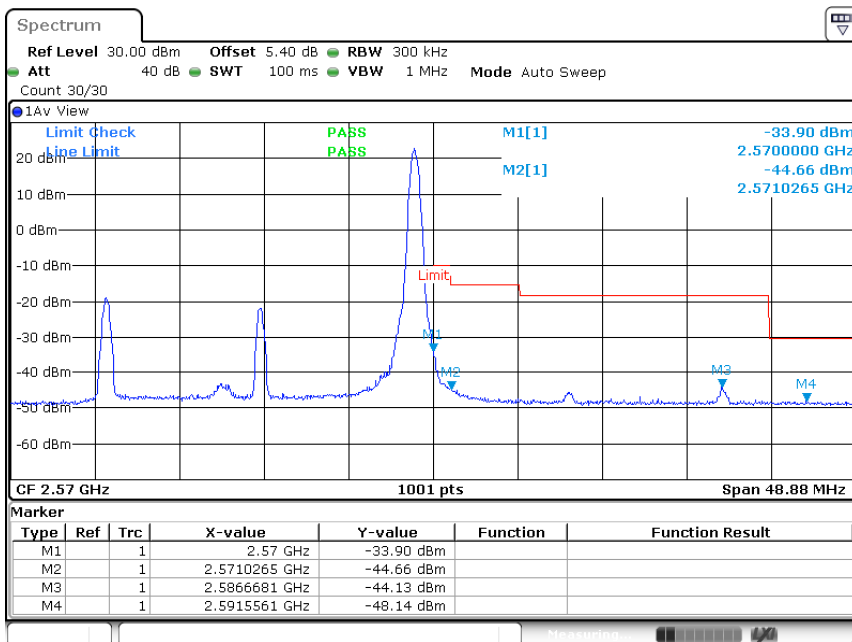
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band7-20MHz-16QAM-20850-100RB#0



Date: 11.OCT.2020 19:38:57

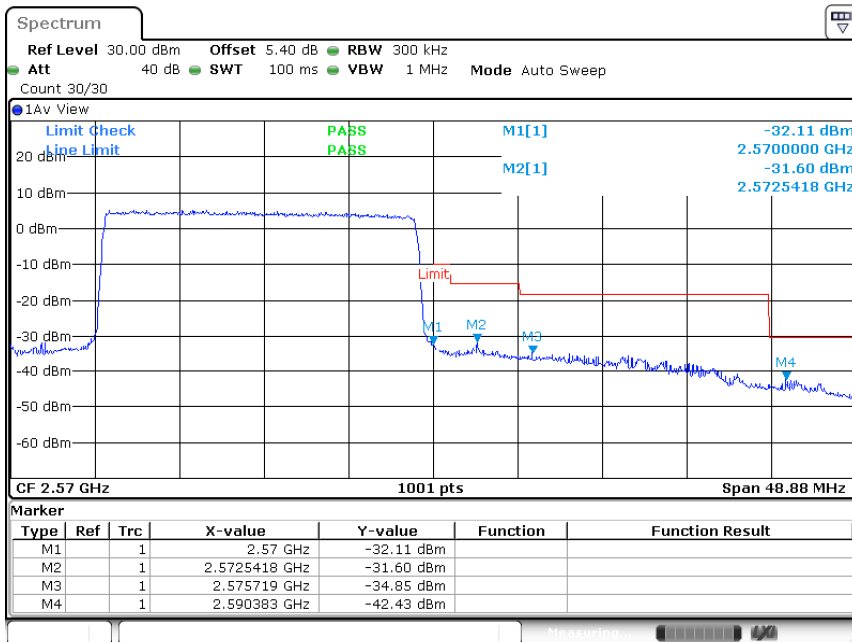
Band7-20MHz-16QAM-21350-1RB#99



Date: 11.OCT.2020 19:39:41

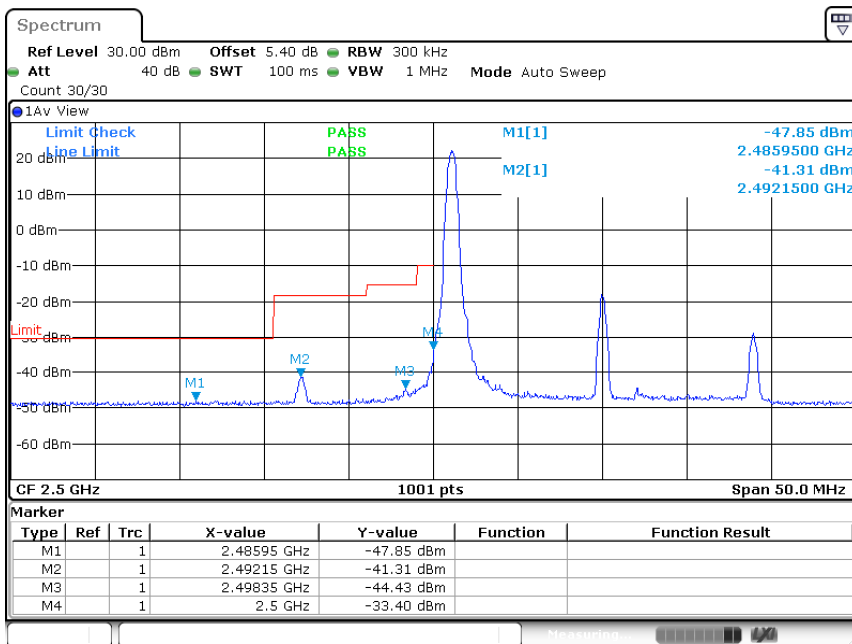


Band7-20MHz-16QAM-21350-100RB#0



Date: 11.OCT.2020 19:40:18

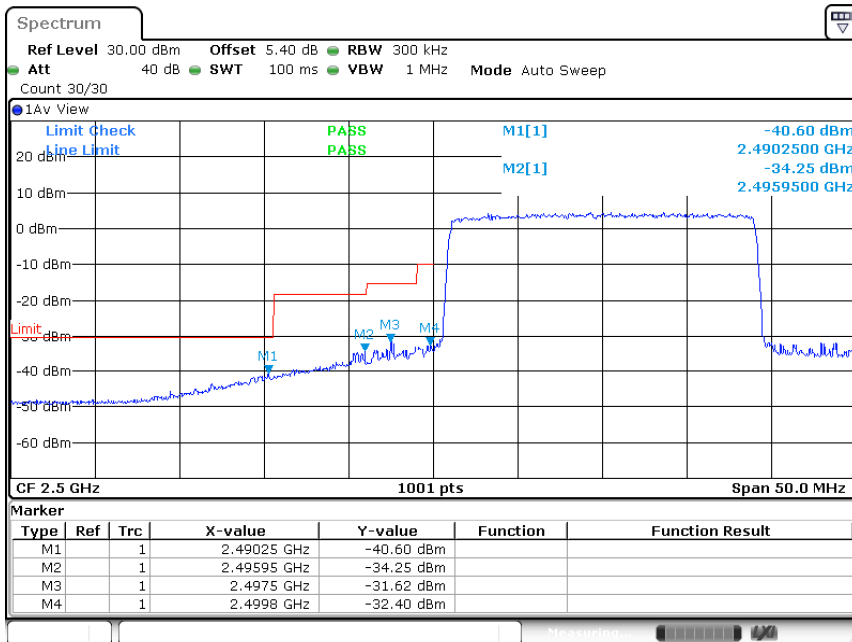
Band7-20MHz-64QAM-20850-1RB#0



Date: 14.OCT.2020 11:23:22

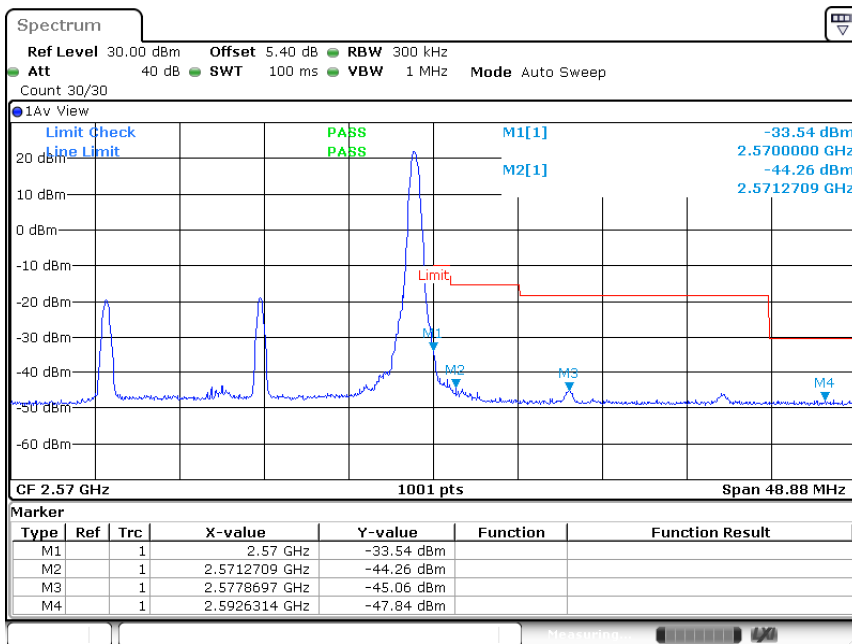


Band7-20MHz-64QAM-20850-100RB#0



Date: 14.OCT.2020 11:23:41

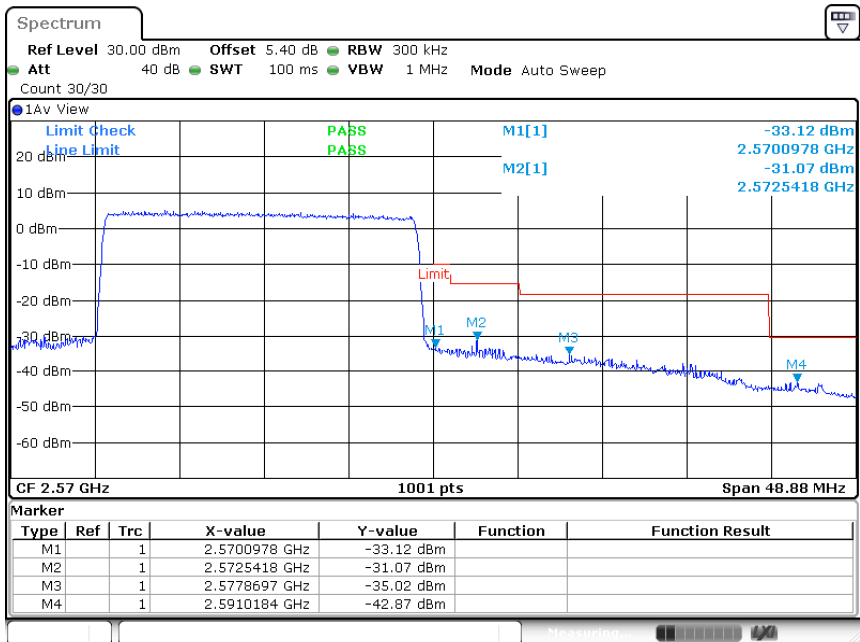
Band7-20MHz-64QAM-21350-1RB#99



Date: 14.OCT.2020 11:24:08



Band7-20MHz-64QAM-21350-100RB#0



Date: 14.OCT.2020 11:24:26



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (2010) China CCC Laboratory

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

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

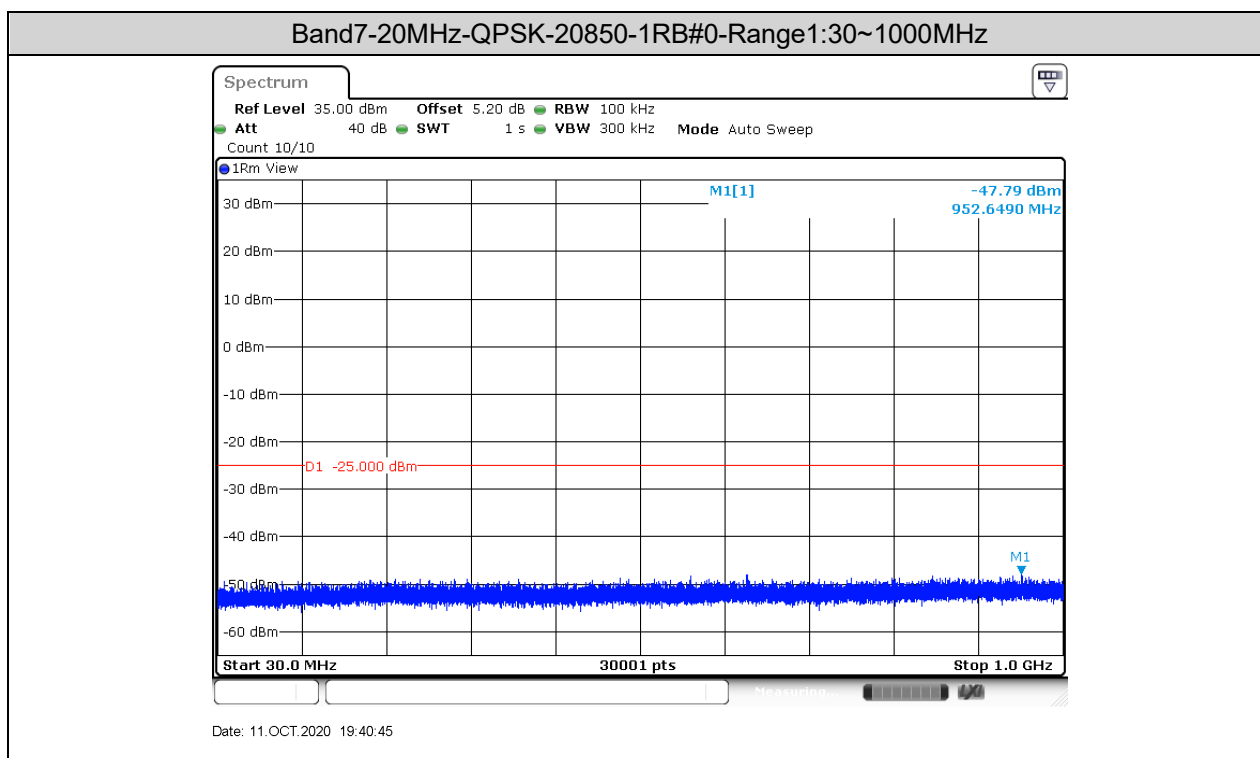
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6 Spurious Emission at Antenna Terminal

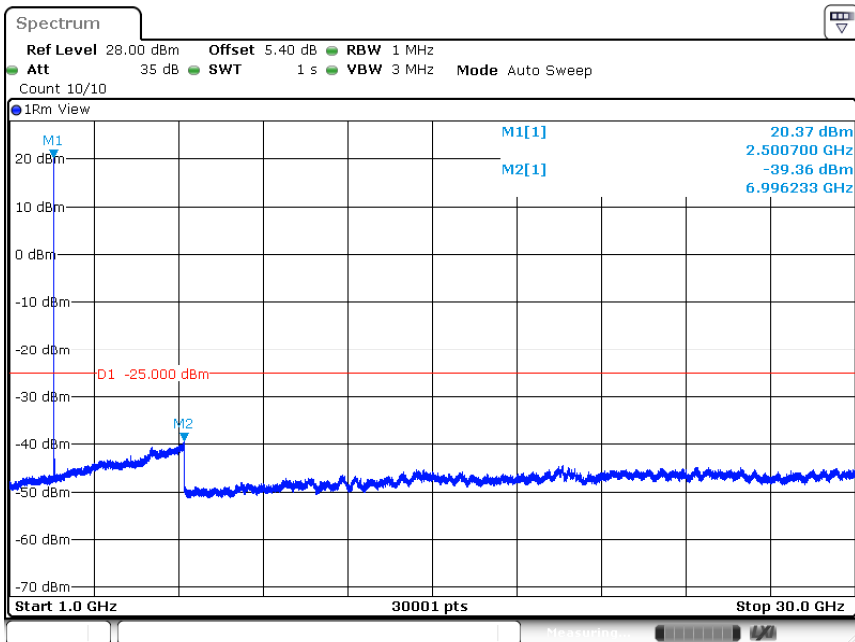
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1 Test Plots

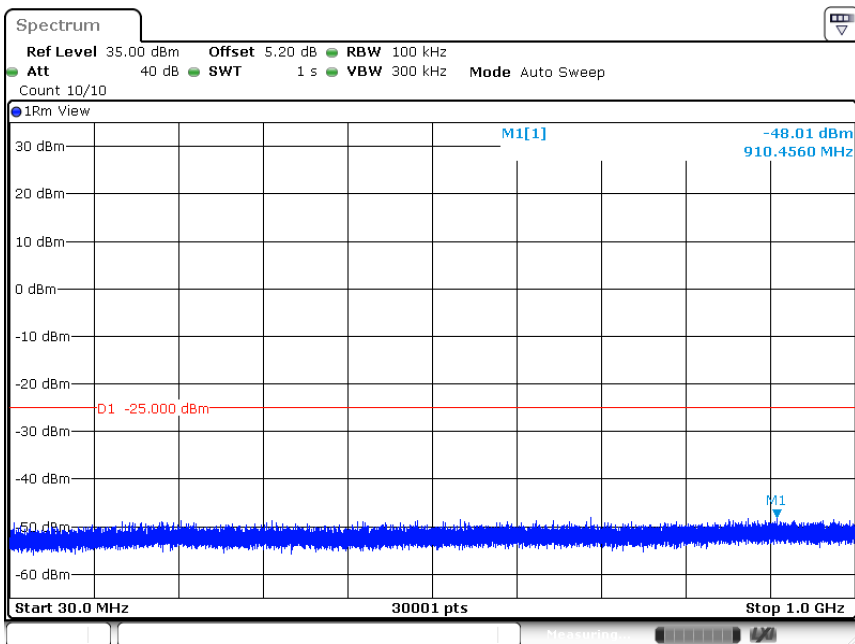


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:41:02

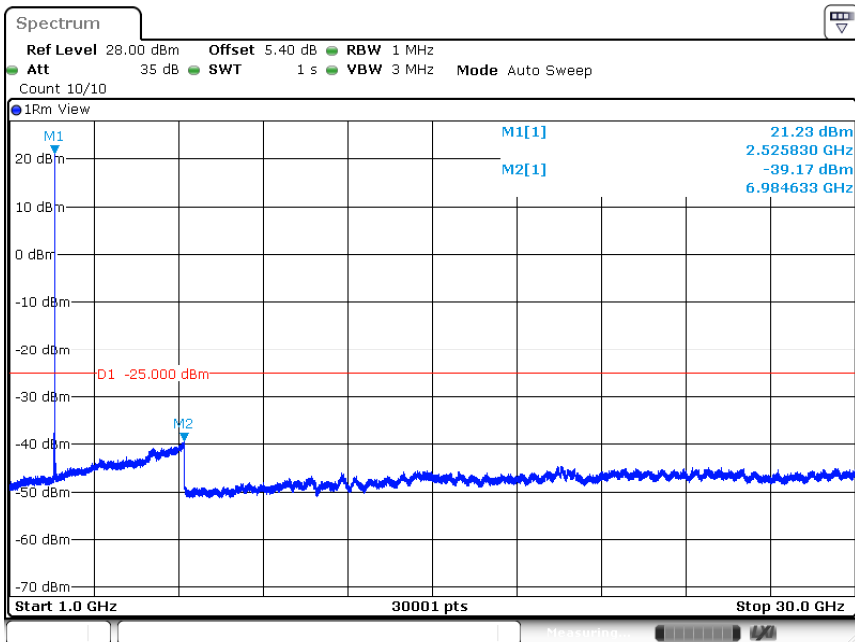
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 11.OCT.2020 19:42:03

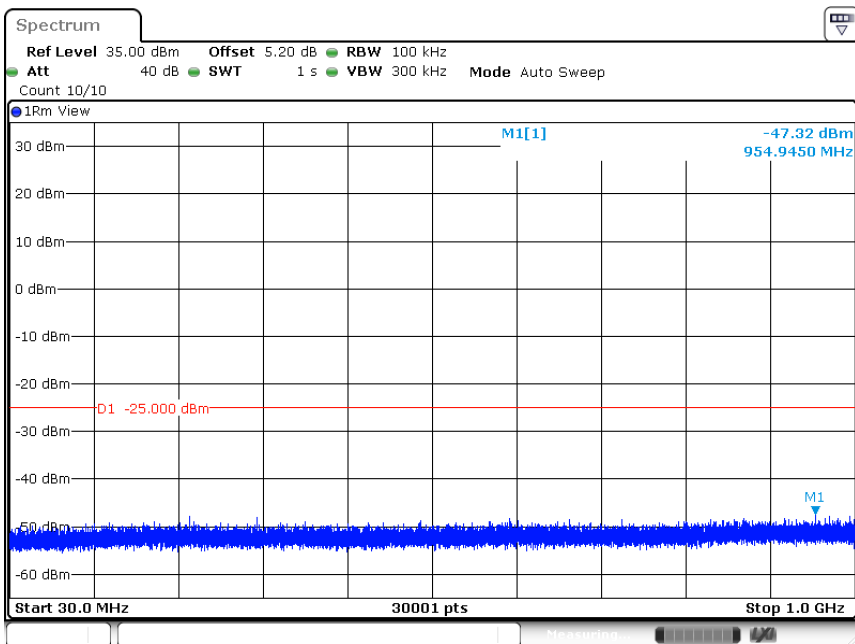


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:42:20

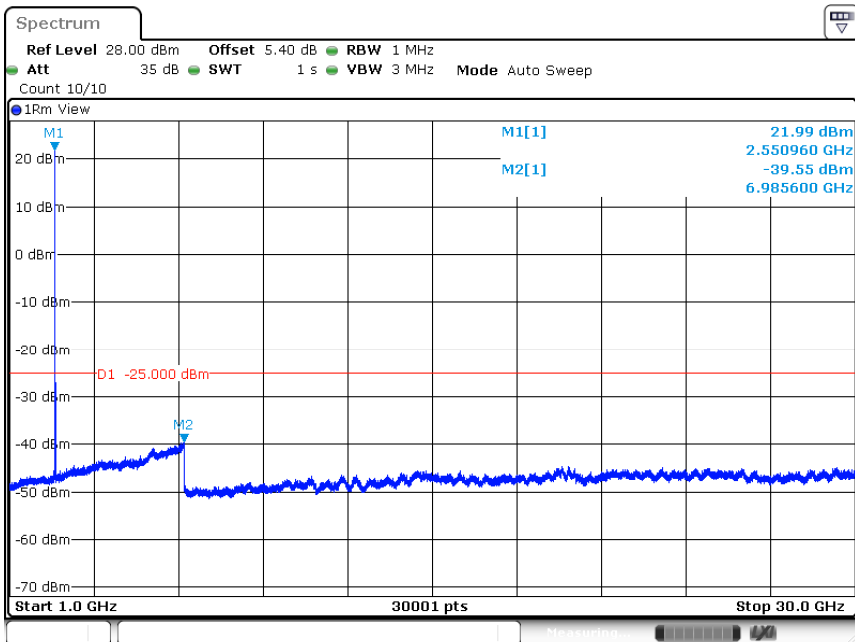
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 11.OCT.2020 19:43:21

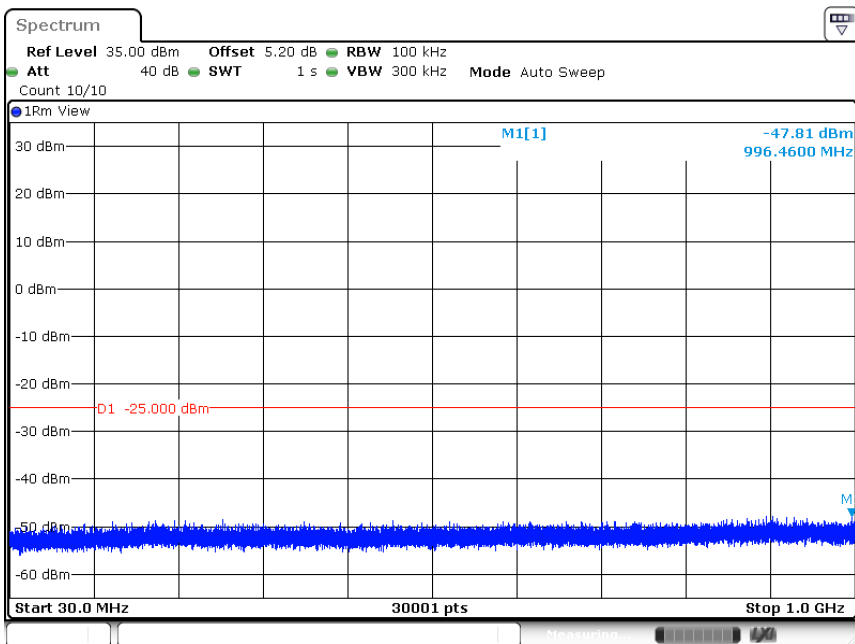


Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:43:38

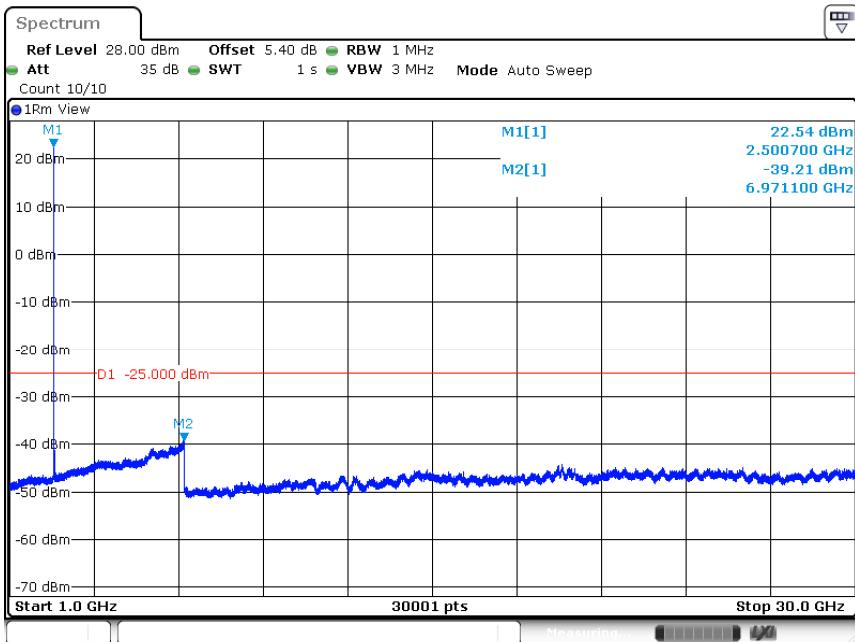
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 11.OCT.2020 19:41:24

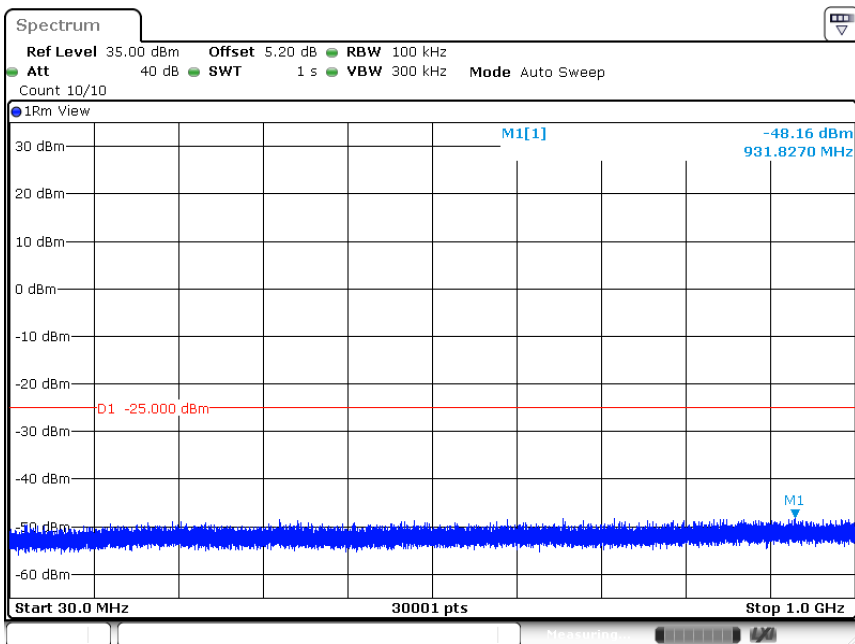


Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:41:41

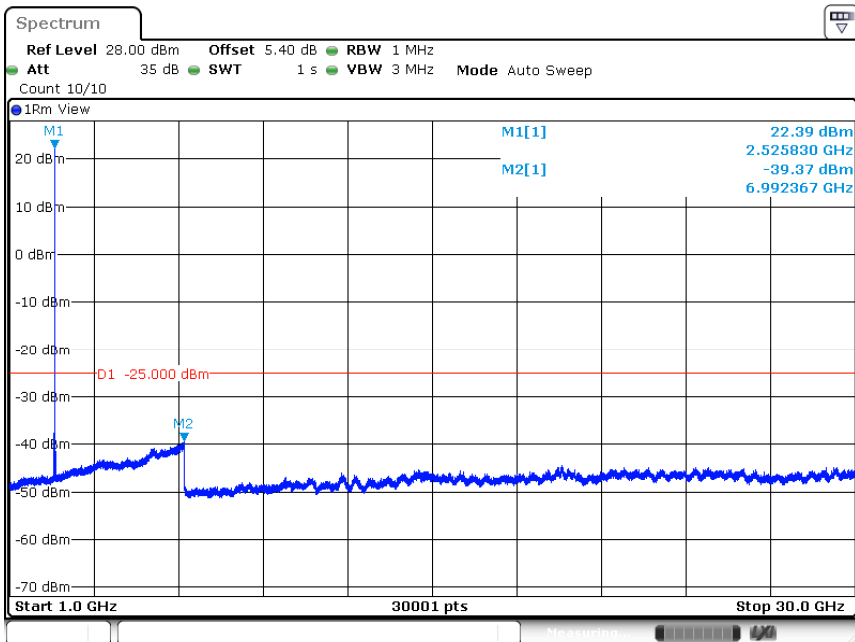
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 11.OCT.2020 19:42:42

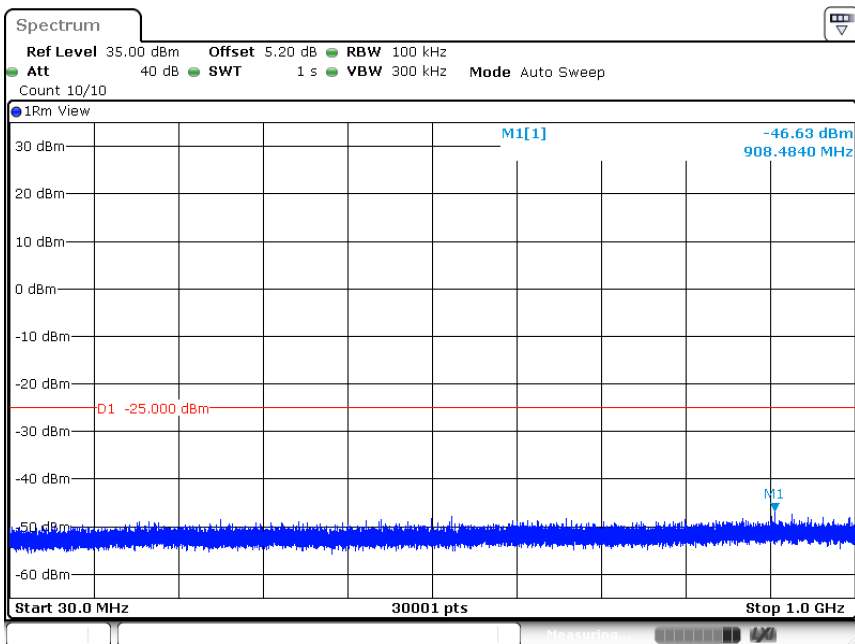


Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:42:59

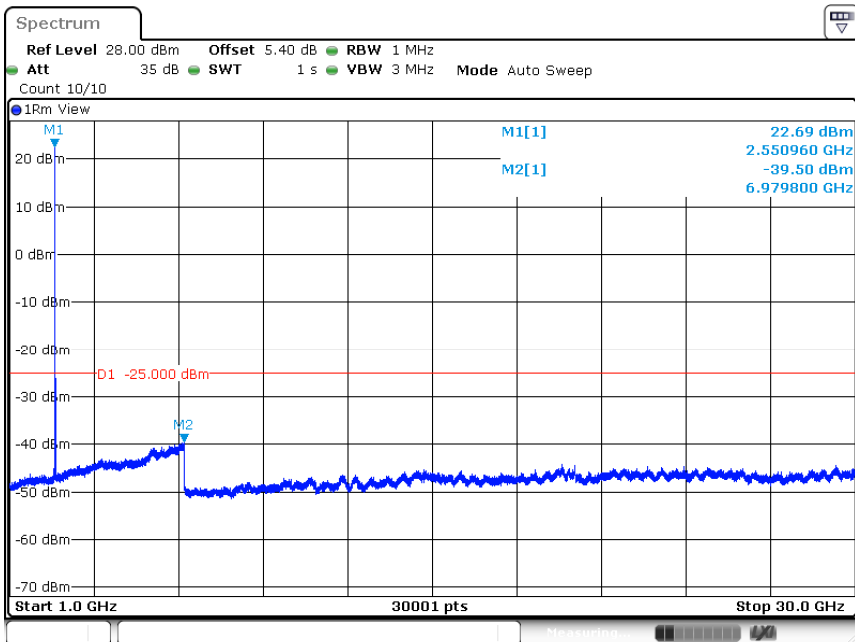
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 11.OCT.2020 19:44:00

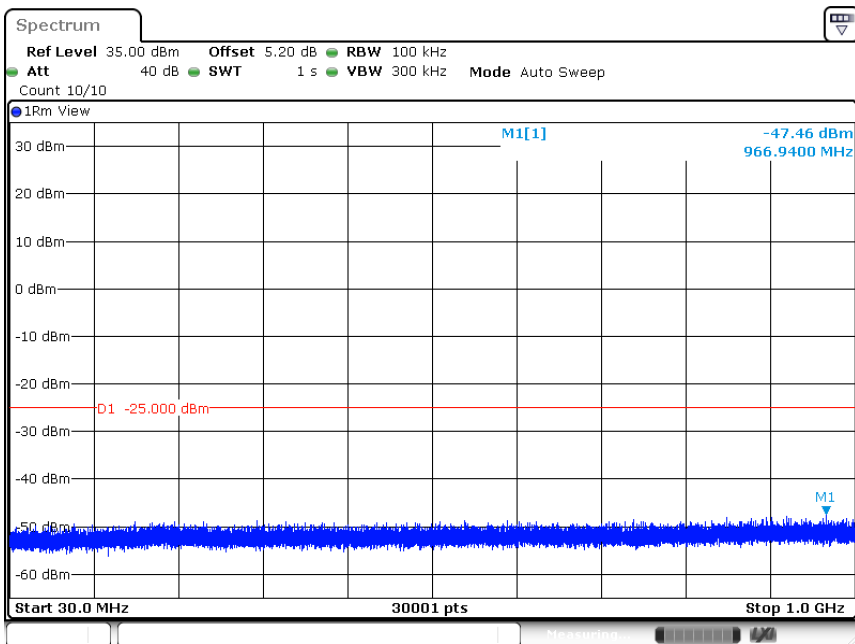


Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 11.OCT.2020 19:44:17

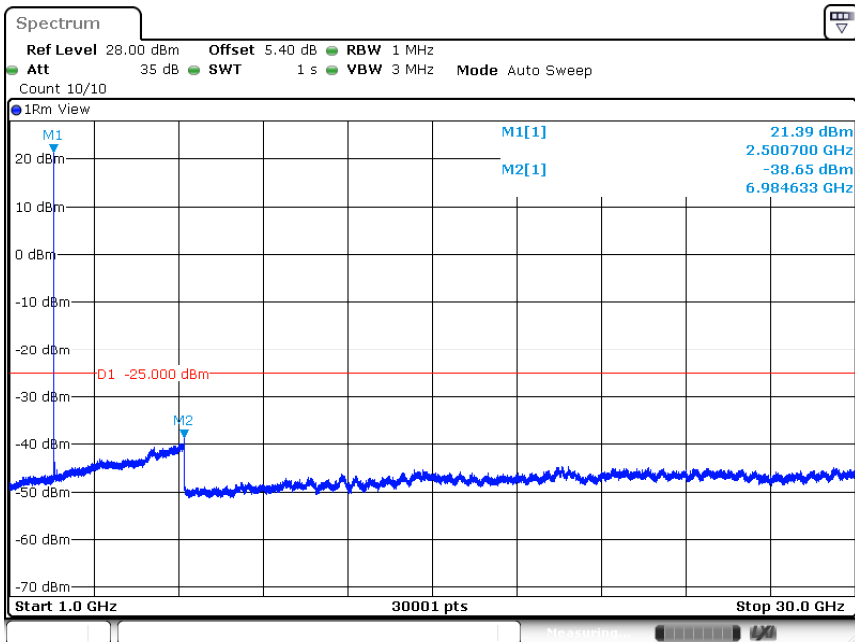
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 14.OCT.2020 11:24:54

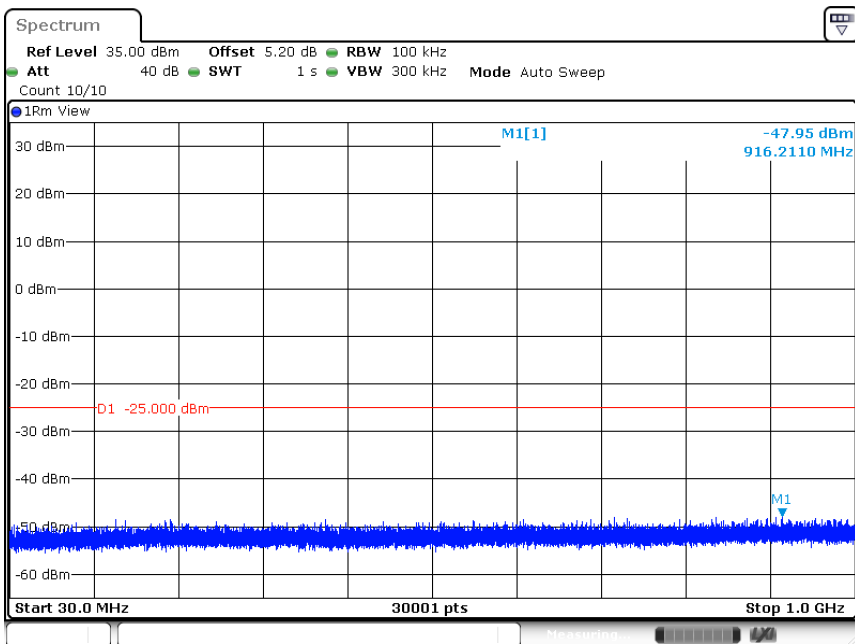


Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 14.OCT.2020 11:25:11

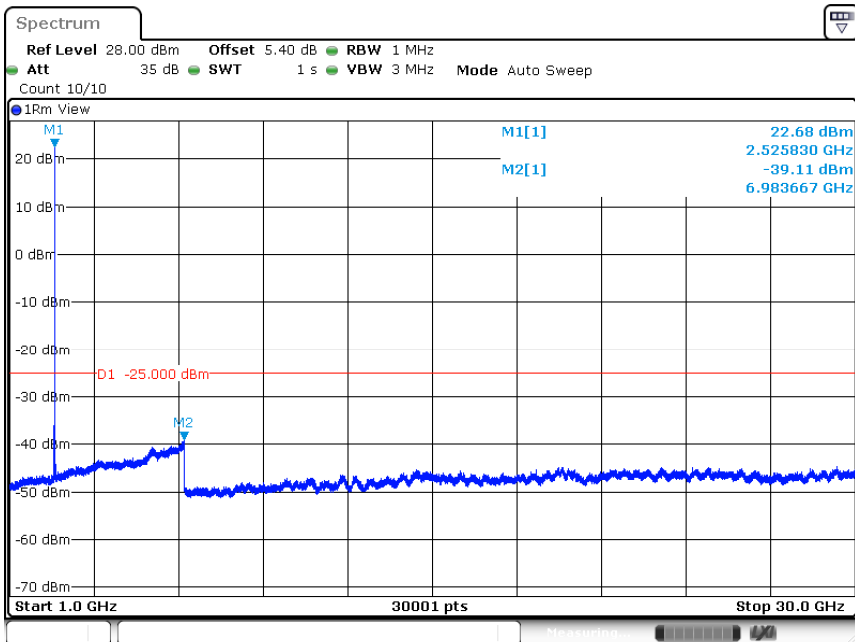
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 14.OCT.2020 11:25:33

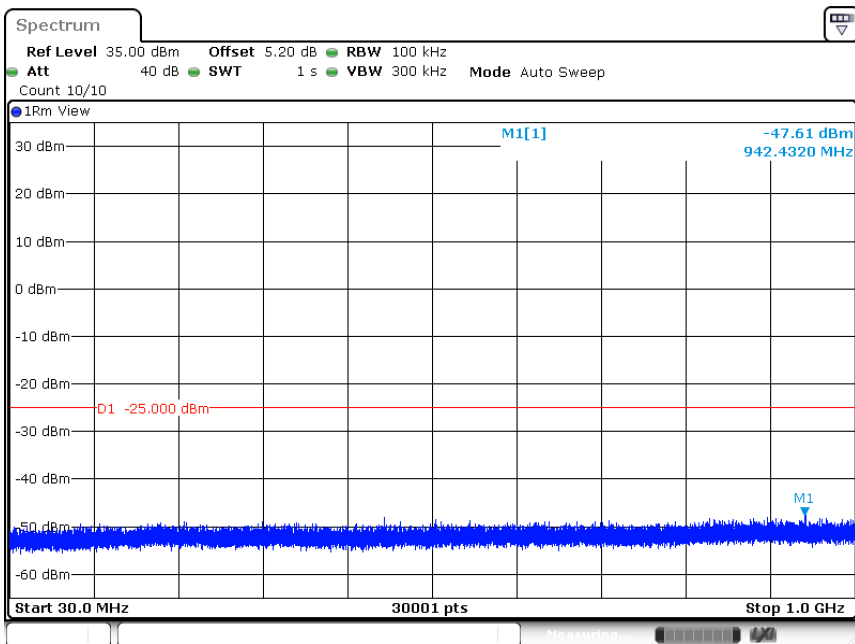


Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



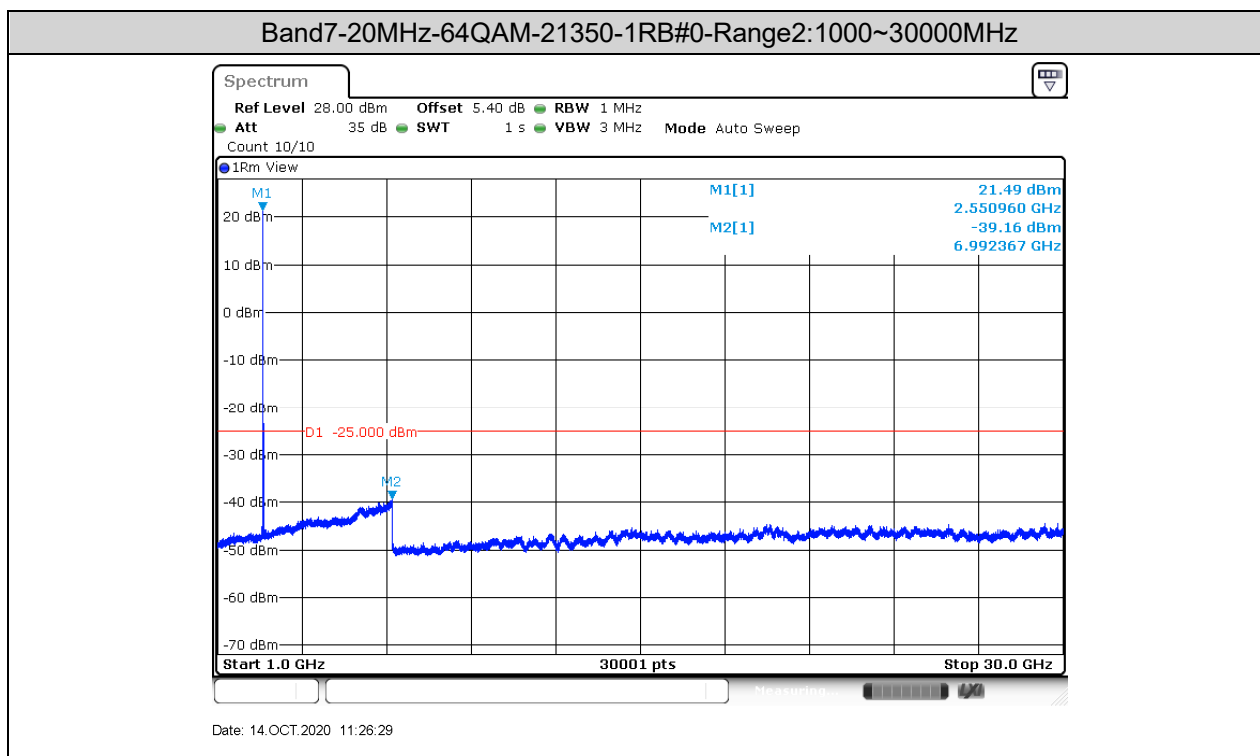
Date: 14.OCT.2020 11:25:50

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



Date: 14.OCT.2020 11:26:12







7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 20MHz(Ant1)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.3880	-76.38	-25.00	51.38	Vertical
109.7380	-66.25	-25.00	41.25	Vertical
383.6797	-68.07	-25.00	43.07	Vertical
3659.4264	-63.97	-25.00	38.97	Vertical
7330.9732	-58.53	-25.00	33.53	Vertical
17999.4000	-42.80	-25.00	17.80	Vertical
39.6035	-65.26	-25.00	40.26	Horizontal
107.3614	-76.54	-25.00	51.54	Horizontal
243.8957	-69.79	-25.00	44.79	Horizontal
3738.0295	-63.56	-25.00	38.56	Horizontal
7411.9765	-59.04	-25.00	34.04	Horizontal
16372.1349	-46.00	-25.00	21.00	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.4365	-76.44	-25.00	51.44	Vertical
106.6823	-64.96	-25.00	39.96	Vertical
457.1124	-67.18	-25.00	42.18	Vertical
5176.8871	-64.51	-25.00	39.51	Vertical
7374.7750	-58.66	-25.00	33.66	Vertical
17998.8000	-42.75	-25.00	17.75	Vertical
44.3082	-64.88	-25.00	39.88	Horizontal
97.7579	-76.44	-25.00	51.44	Horizontal
233.1767	-69.59	-25.00	44.59	Horizontal
3733.2293	-63.37	-25.00	38.37	Horizontal
7419.7768	-58.73	-25.00	33.73	Horizontal
16385.3354	-46.26	-25.00	21.26	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



7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.3880	-75.76	-25.00	50.76	Vertical
108.4284	-65.91	-25.00	40.91	Vertical
614.4542	-63.81	-25.00	38.81	Vertical
3630.6252	-63.87	-25.00	38.87	Vertical
7436.5775	-58.36	-25.00	33.36	Vertical
17995.7998	-42.42	-25.00	17.42	Vertical
41.3011	-65.51	-25.00	40.51	Horizontal
101.0076	-76.28	-25.00	51.28	Horizontal
236.7658	-69.48	-25.00	44.48	Horizontal
3515.4206	-62.88	-25.00	37.88	Horizontal
7352.5741	-59.06	-25.00	34.06	Horizontal
16399.1360	-45.93	-25.00	20.93	Horizontal

7.2 Test Mode =LTE/TM1 20MHz(Ant2)

7.2.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.4551	-76.04	-25.00	51.04	Vertical
109.2045	-66.27	-25.00	41.27	Vertical
447.8484	-68.15	-25.00	43.15	Vertical
3640.8256	-64.34	-25.00	39.34	Vertical
7343.5737	-58.17	-25.00	33.17	Vertical
17993.3997	-42.14	-25.00	17.14	Vertical
40.2825	-64.34	-25.00	39.34	Horizontal
100.2315	-76.58	-25.00	51.58	Horizontal
233.5162	-69.34	-25.00	44.34	Horizontal
3636.6255	-63.04	-25.00	38.04	Horizontal
7362.1745	-59.10	-25.00	34.10	Horizontal
16392.5357	-46.49	-25.00	21.49	Horizontal





7.2.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.6305	-76.27	-25.00	51.27	Vertical
112.3086	-65.34	-25.00	40.34	Vertical
487.8144	-67.95	-25.00	42.95	Vertical
3633.6253	-64.19	-25.00	39.19	Vertical
7356.1742	-58.18	-25.00	33.18	Vertical
17995.7998	-42.20	-25.00	17.20	Vertical
43.8232	-64.55	-25.00	39.55	Horizontal
99.7465	-75.20	-25.00	50.20	Horizontal
228.6174	-69.42	-25.00	44.42	Horizontal
3634.2254	-63.47	-25.00	38.47	Horizontal
7347.1739	-59.10	-25.00	34.10	Horizontal
16377.5351	-46.10	-25.00	21.10	Horizontal

7.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.5820	-76.06	-25.00	51.06	Vertical
114.4427	-66.42	-25.00	41.42	Vertical
439.5545	-68.65	-25.00	43.65	Vertical
3784.8314	-64.42	-25.00	39.42	Vertical
7395.7758	-58.15	-25.00	33.15	Vertical
17996.9999	-42.62	-25.00	17.62	Vertical
40.8645	-64.00	-25.00	39.00	Horizontal
100.8135	-76.57	-25.00	51.57	Horizontal
245.7388	-69.53	-25.00	44.53	Horizontal
3599.4240	-62.99	-25.00	37.99	Horizontal
7965.1986	-58.30	-25.00	33.30	Horizontal
16392.5357	-46.30	-25.00	21.30	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.
- 3 all modulation and all Bandwidth had been tested, but 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

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

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



8 Frequency Stability

8.1 Frequency Vs Voltage

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	1.10	0.000438	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	8.70	0.003466	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	0.80	0.000319	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	2.70	0.001065	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-2.00	-0.000789	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	5.20	0.002072	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	0.60	0.000239	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-2.60	-0.001016	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	3.30	0.001315	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	2.30	0.000916	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	3.80	0.001514	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-0.50	-0.000197	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	1.90	0.000742	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-4.40	-0.001719	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	4.00	0.001563	±2.5	PASS

8.2 Frequency Vs Temperature

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



Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	5.70	0.002271	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-0.40	-0.000159	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	2.70	0.001076	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-0.20	-0.000080	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	2.20	0.000876	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	2.70	0.001076	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	1.60	0.000637	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	0.10	0.000039	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.90	0.000355	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-6.10	-0.002406	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	1.00	0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-0.30	-0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	3.30	0.001289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	4.90	0.001914	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	6.10	0.002383	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	4.70	0.001836	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	3.10	0.001211	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	1.20	0.000469	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	7.20	0.002869	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	6.10	0.002430	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	2.00	0.000797	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	4.80	0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	2.30	0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	2.70	0.001076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	0.90	0.000359	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	2.30	0.000916	±2.5	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 herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

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



Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	1.20	0.000473	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	0.90	0.000355	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-5.50	-0.002170	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-1.00	-0.000394	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	0.50	0.000197	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	4.80	0.001875	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	2.60	0.001016	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	1.10	0.000430	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	2.50	0.000977	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	5.30	0.002070	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	3.90	0.001523	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-0.60	-0.000234	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	3.80	0.001514	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	5.20	0.002072	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	0.70	0.000279	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	4.70	0.001873	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	4.50	0.001793	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	4.10	0.001633	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	0.90	0.000359	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	1.60	0.000637	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	0.30	0.000118	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-4.40	-0.001736	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	0.80	0.000316	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-1.30	-0.000513	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.80	-0.001499	±2.5	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

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

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



Band7	20MHz	64QAM	21350	100RB#0	NV	-30	0.10	0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	3.20	0.001250	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	2.90	0.001133	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	4.20	0.001641	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	1.20	0.000469	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-1.80	-0.000703	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	1.50	0.000586	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	2.40	0.000938	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	5.40	0.002109	±2.5	PASS

The End

