



Appendix B

E-UTRA Band 25



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.....	3
1.1.	TEST RESULT.....	3
2.	PEAK-TO-AVERAGE RATIO (CCDF).....	10
2.1.	TEST RESULT.....	10
2.2.	TEST PLOTS.....	10
3.	MODULATION CHARACTERISTICS.....	14
3.1.	TEST MODE = LTE /TM1 20MHZ.....	14
3.1.1.	TEST CHANNEL = MCH.....	14
3.2.	TEST MODE = LTE /TM2 20MHZ.....	15
3.2.1.	TEST CHANNEL = MCH.....	15
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	16
4.1.	TEST RESULT.....	16
4.2.	TEST PLOTS.....	17
5.	BAND EDGE COMPLIANCE.....	35
5.1.	TEST PLOTS.....	35
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	59
6.1.	TEST PLOTS.....	59
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	65
7.1.	TEST MODE =LTE/TM1.....	65
7.1.1.	TEST CHANNEL = LCH.....	65
7.1.2.	TEST CHANNEL = MCH.....	65
7.1.3.	TEST CHANNEL = HCH.....	66
8.	FREQUENCY STABILITY.....	67
8.1.	FREQUENCY VS VOLTAGE.....	67
8.2.	FREQUENCY VS TEMPERATURE.....	67



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	21.70	22.60	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.00	22.90	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	21.43	22.33	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	21.69	22.59	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#2	22.13	23.03	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	21.34	22.24	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	20.78	21.68	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.08	22.98	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	21.76	22.66	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	22.01	22.91	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#2	22.05	22.95	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	21.74	22.64	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	20.74	21.64	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	21.56	22.46	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.04	22.94	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	21.53	22.43	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	21.49	22.39	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#2	22.01	22.91	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	21.51	22.41	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	20.84	21.74	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	20.44	21.34	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	20.72	21.62	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#2	20.67	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	20.48	21.38	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	19.75	20.65	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	20.77	21.67	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	20.83	21.73	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	20.52	21.42	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	20.77	21.67	33.00	PASS



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25	1.4MHz	16QAM	26365	3RB#2	20.90	21.80	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	20.47	21.37	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	19.83	20.73	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	20.32	21.22	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	20.81	21.71	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	20.30	21.20	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	20.47	21.37	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#2	20.81	21.71	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	20.32	21.22	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	19.93	20.83	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	21.73	22.63	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#7	22.07	22.97	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	21.40	22.30	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	20.83	21.73	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	20.86	21.76	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	20.84	21.74	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	20.74	21.64	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#7	22.03	22.93	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	21.74	22.64	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	20.89	21.79	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	21.02	21.92	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	20.89	21.79	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	20.76	21.66	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	21.52	22.42	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#7	22.06	22.96	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	21.55	22.45	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	20.92	21.82	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	21.01	21.91	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	20.78	21.68	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	20.89	21.79	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	20.66	21.56	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#7	20.75	21.65	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	20.42	21.32	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	19.73	20.63	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	19.72	20.62	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	19.62	20.52	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	19.70	20.60	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) 83071443, 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



Band25	3MHz	16QAM	26365	1RB#0	20.76	21.66	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#7	20.84	21.74	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	20.51	21.41	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	19.46	20.36	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	19.99	20.89	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	19.89	20.79	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	19.81	20.71	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	20.33	21.23	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#7	20.82	21.72	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	20.38	21.28	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	19.99	20.89	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	20.02	20.92	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	19.97	20.87	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	19.95	20.85	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	21.69	22.59	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#13	22.10	23.00	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	21.40	22.30	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	20.91	21.81	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	20.84	21.74	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	20.75	21.65	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	20.82	21.72	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.02	22.92	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#13	22.03	22.93	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	21.74	22.64	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	20.90	21.80	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	20.97	21.87	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	20.80	21.70	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	20.81	21.71	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	21.49	22.39	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#13	22.00	22.90	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	21.51	22.41	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	20.95	21.85	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	20.96	21.86	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	20.82	21.72	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	20.85	21.75	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	20.67	21.57	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#13	20.65	21.55	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	20.50	21.40	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



Band25	5MHz	16QAM	26065	12RB#0	19.74	20.64	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	19.73	20.63	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	19.61	20.51	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	19.74	20.64	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	20.83	21.73	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#13	20.89	21.79	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	20.49	21.39	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	19.43	20.33	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	19.99	20.89	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	19.91	20.81	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	19.78	20.68	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	20.38	21.28	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#13	20.74	21.64	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	20.32	21.22	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	20.08	20.98	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	19.98	20.88	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	19.98	20.88	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	19.97	20.87	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	21.69	22.59	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#25	22.06	22.96	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	21.37	22.27	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	20.89	21.79	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#13	20.88	21.78	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	20.77	21.67	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	20.79	21.69	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	21.97	22.87	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#25	22.03	22.93	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	21.70	22.60	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	20.92	21.82	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#13	20.95	21.85	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	20.83	21.73	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	20.76	21.66	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	21.57	22.47	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#25	21.98	22.88	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	21.52	22.42	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	20.95	21.85	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#13	20.99	21.89	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	20.82	21.72	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) 83071443, 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



Band25	10MHz	QPSK	26640	50RB#0	20.83	21.73	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	20.72	21.62	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#25	20.66	21.56	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	20.48	21.38	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#0	19.80	20.70	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#13	19.74	20.64	33.00	PASS
Band25	10MHz	16QAM	26090	25RB#25	19.57	20.47	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	19.71	20.61	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	20.81	21.71	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#25	20.91	21.81	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	20.47	21.37	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#0	19.48	20.38	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#13	20.05	20.95	33.00	PASS
Band25	10MHz	16QAM	26365	25RB#25	19.90	20.80	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	19.81	20.71	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	20.36	21.26	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#25	20.81	21.71	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	20.32	21.22	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#0	20.09	20.99	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#13	20.00	20.90	33.00	PASS
Band25	10MHz	16QAM	26640	25RB#25	19.91	20.81	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	19.88	20.78	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	21.72	22.62	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.06	22.96	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	21.43	22.33	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	20.87	21.77	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	20.85	21.75	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	20.76	21.66	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.01	22.91	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.02	22.92	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	21.68	22.58	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	20.91	21.81	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	21.02	21.92	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	20.81	21.71	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	21.48	22.38	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.05	22.95	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) 83071443, 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



Band25	15MHz	QPSK	26615	1RB#74	21.52	22.42	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	20.96	21.86	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	20.96	21.86	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	20.79	21.69	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	20.88	21.78	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	20.74	21.64	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	20.72	21.62	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	20.49	21.39	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#0	19.74	20.64	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#18	19.76	20.66	33.00	PASS
Band25	15MHz	16QAM	26115	36RB#39	19.55	20.45	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	19.69	20.59	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	20.74	21.64	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	20.88	21.78	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	20.51	21.41	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#0	19.42	20.32	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#18	20.01	20.91	33.00	PASS
Band25	15MHz	16QAM	26365	36RB#39	19.88	20.78	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	19.85	20.75	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	20.34	21.24	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	20.72	21.62	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	20.30	21.20	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#0	19.99	20.89	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#18	19.97	20.87	33.00	PASS
Band25	15MHz	16QAM	26615	36RB#39	19.94	20.84	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	19.92	20.82	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	21.89	22.79	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#50	22.20	23.10	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	21.54	22.44	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	21.01	21.91	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	21.02	21.92	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	20.94	21.84	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	20.94	21.84	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.14	23.04	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#50	22.21	23.11	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	21.86	22.76	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	21.03	21.93	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	21.15	22.05	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



Band25	20MHz	QPSK	26365	50RB#50	20.99	21.89	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	20.93	21.83	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	21.67	22.57	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#50	22.18	23.08	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	21.68	22.58	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	21.08	21.98	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	21.13	22.03	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	20.97	21.87	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.01	21.91	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	20.85	21.75	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#50	20.85	21.75	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	20.60	21.50	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#0	19.91	20.81	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#25	19.92	20.82	33.00	PASS
Band25	20MHz	16QAM	26140	50RB#50	19.75	20.65	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	19.86	20.76	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	20.93	21.83	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#50	21.01	21.91	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	20.62	21.52	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#0	19.60	20.50	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#25	20.17	21.07	33.00	PASS
Band25	20MHz	16QAM	26365	50RB#50	20.01	20.91	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	19.95	20.85	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	20.48	21.38	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#50	20.92	21.82	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	20.49	21.39	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#0	20.19	21.09	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#25	20.12	21.02	33.00	PASS
Band25	20MHz	16QAM	26590	50RB#50	20.11	21.01	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.08	20.98	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]



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) 83071443, 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

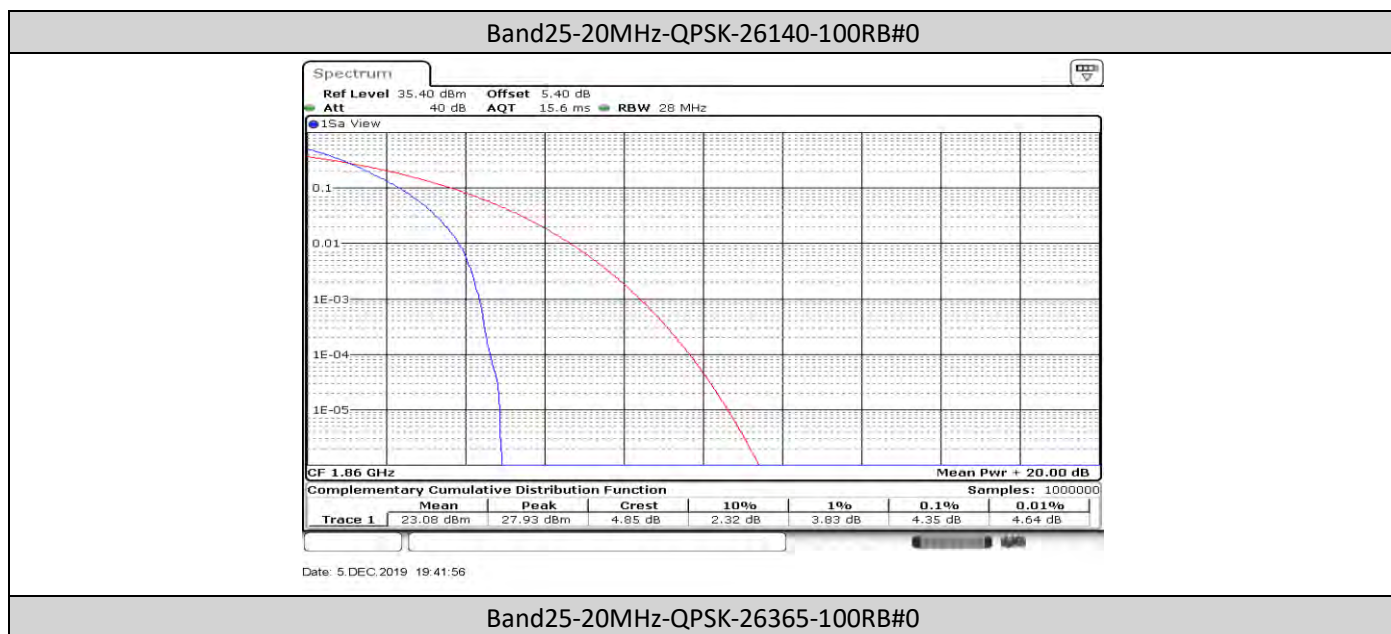


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	4.35	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.70	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.61	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.30	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.62	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.48	13	PASS

2.2. Test Plots





Band25-20MHz-QPSK-26590-100RB#0



Band25-20MHz-16QAM-26140-100RB#0





Band25-20MHz-16QAM-26365-100RB#0



Band25-20MHz-16QAM-26590-100RB#0



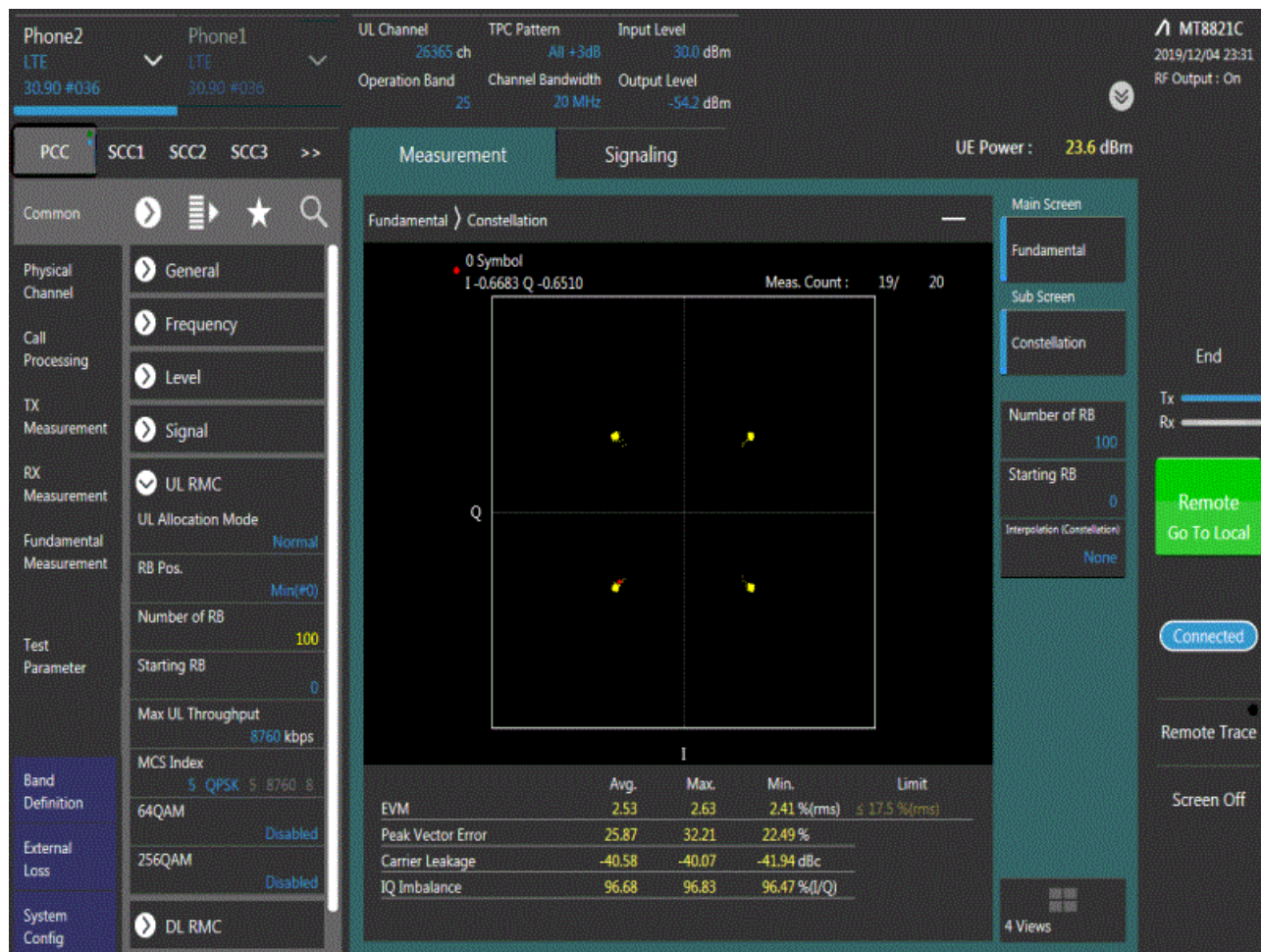




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

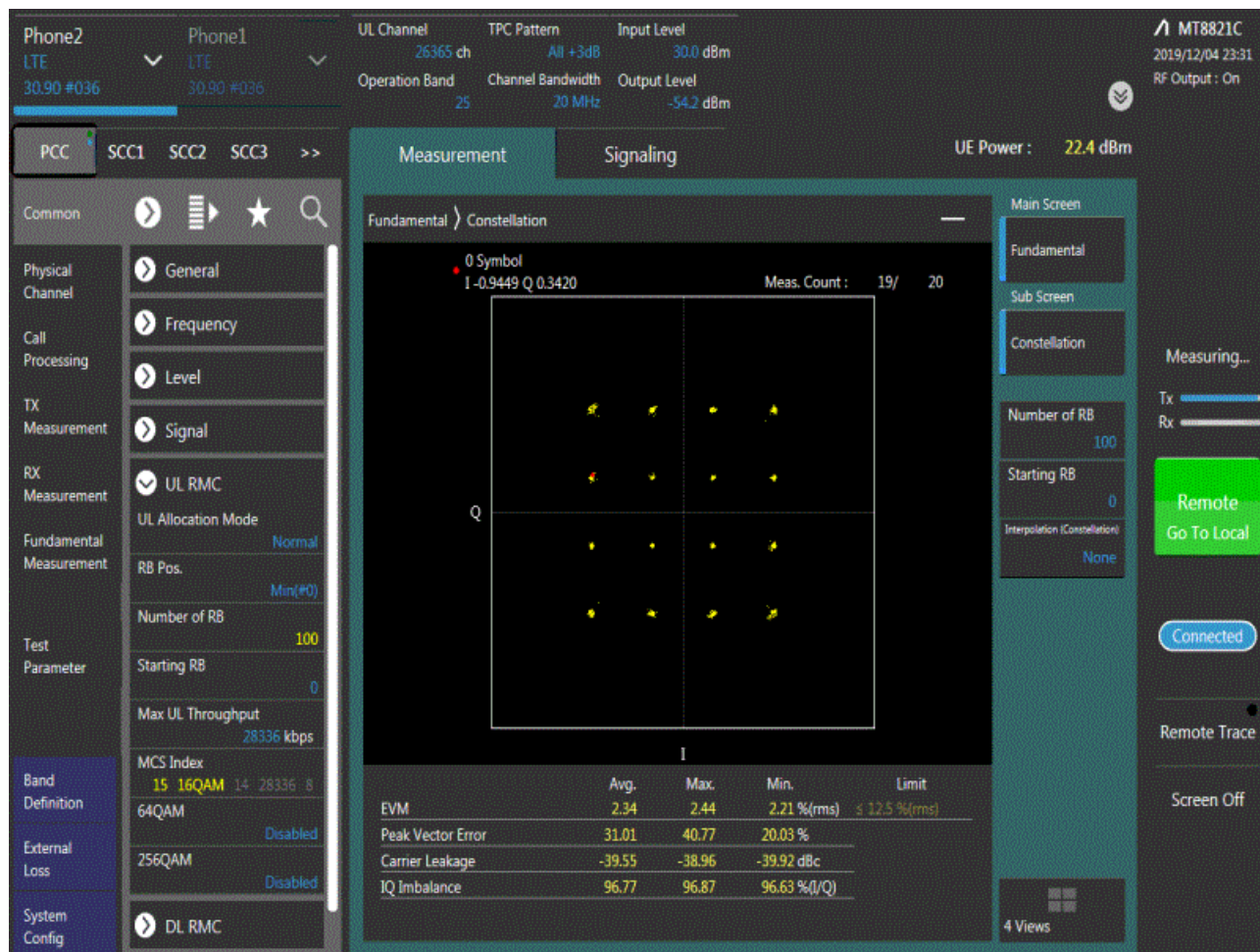
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.094	1.293	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.094	1.296	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.097	1.323	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.091	1.278	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.091	1.281	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.091	1.284	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	3.000	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.970	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.685	2.970	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.466	4.930	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.476	4.930	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	4.930	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.486	4.960	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.496	4.960	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.980	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.911	9.720	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.700	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.911	9.720	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.931	9.720	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.911	9.740	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.911	9.740	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.427	14.700	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.427	14.820	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.457	14.790	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.397	14.730	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.427	14.790	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.427	14.760	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.822	19.320	PASS



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

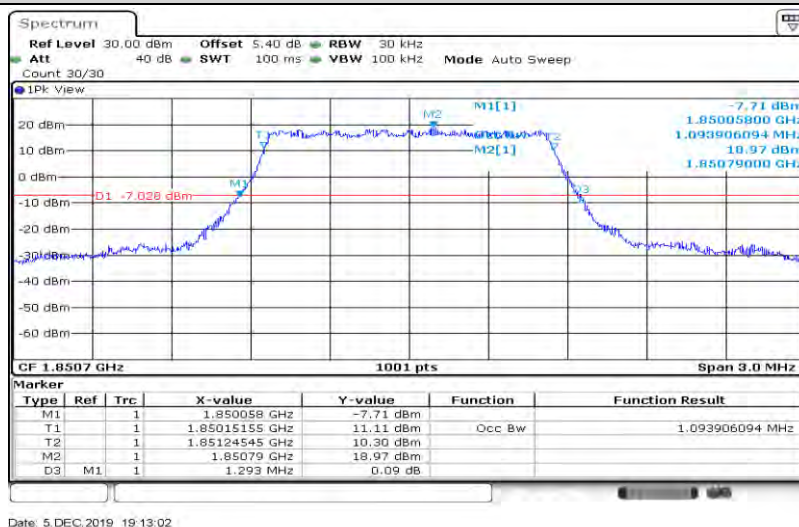
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



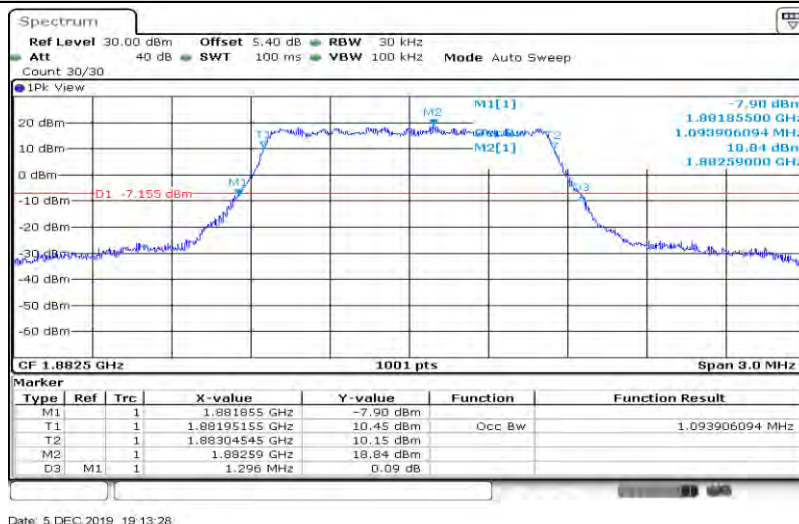
Band25	20MHz	QPSK	26365	100RB#0	17.862	19.480	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.862	19.320	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.822	19.360	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.862	19.400	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.862	19.280	PASS

4.2. Test Plots

Band25-1.4MHz-QPSK-26047-6RB#0-1.094



Band25-1.4MHz-QPSK-26365-6RB#0-1.094



Band25-1.4MHz-QPSK-26683-6RB#0-1.097

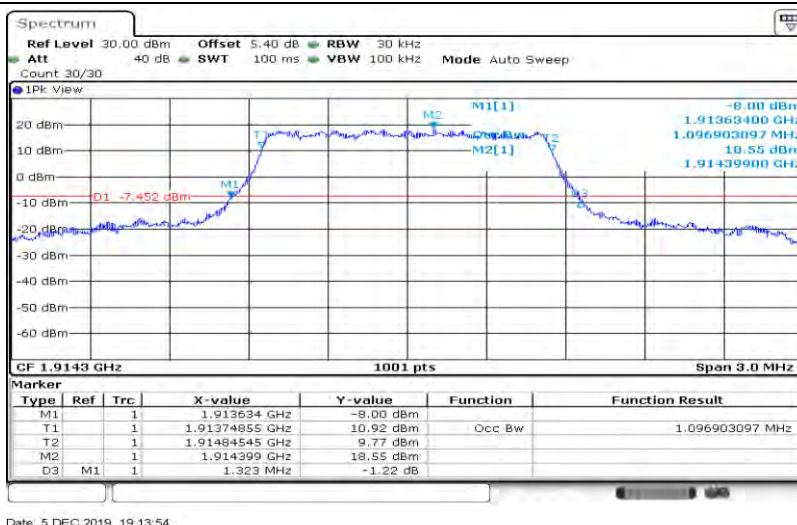


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

Member of the SGS Group (SGS SA)

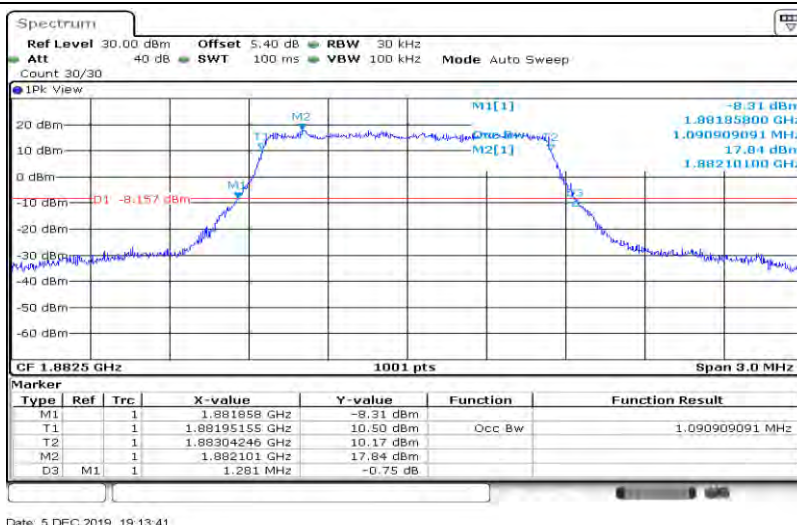


Band25-1.4MHz-16QAM-26047-6RB#0-1.091

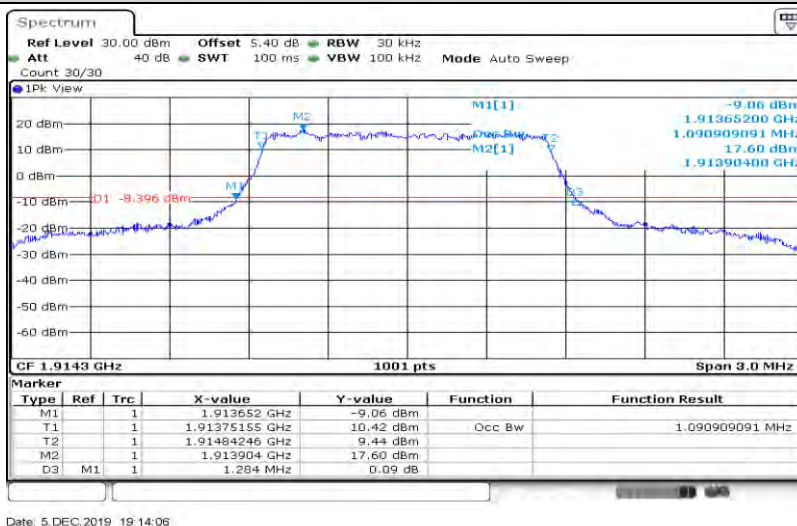


Band25-1.4MHz-16QAM-26365-6RB#0-1.091





Band25-1.4MHz-16QAM-26683-6RB#0-1.091

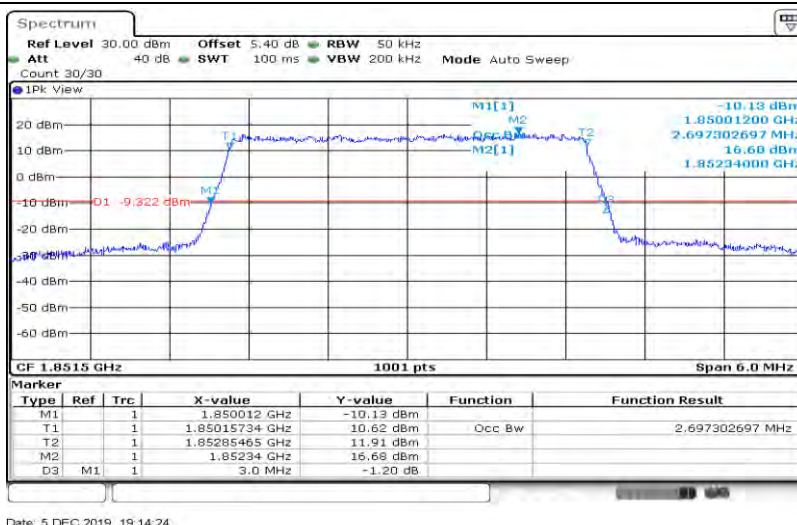


Band25-3MHz-QPSK-26055-15RB#0-2.697

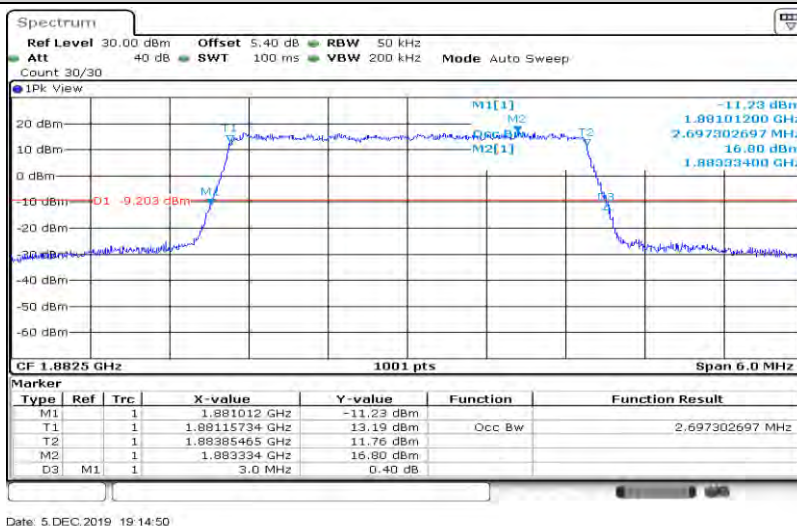


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-3MHz-QPSK-26365-15RB#0-2.697

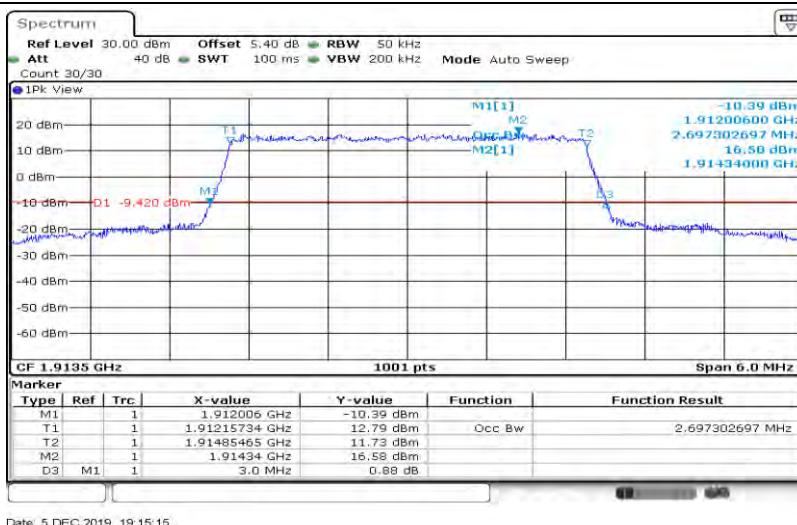


Band25-3MHz-QPSK-26675-15RB#0-2.697

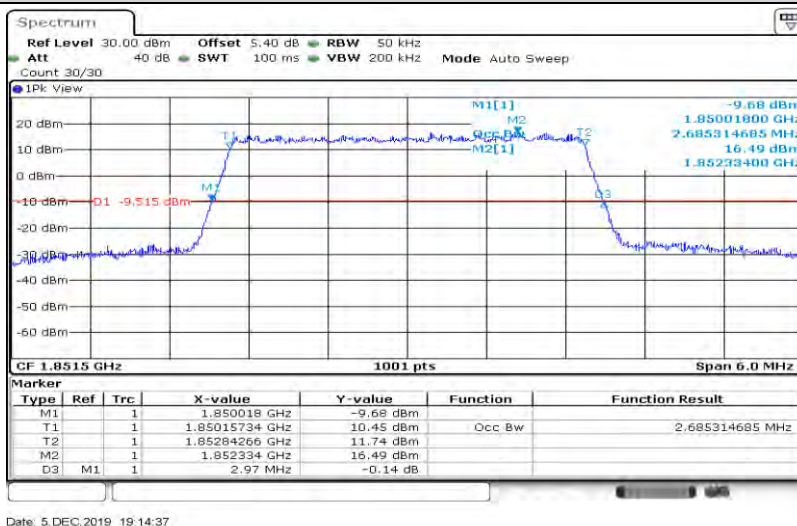


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-3MHz-16QAM-26055-15RB#0-2.685

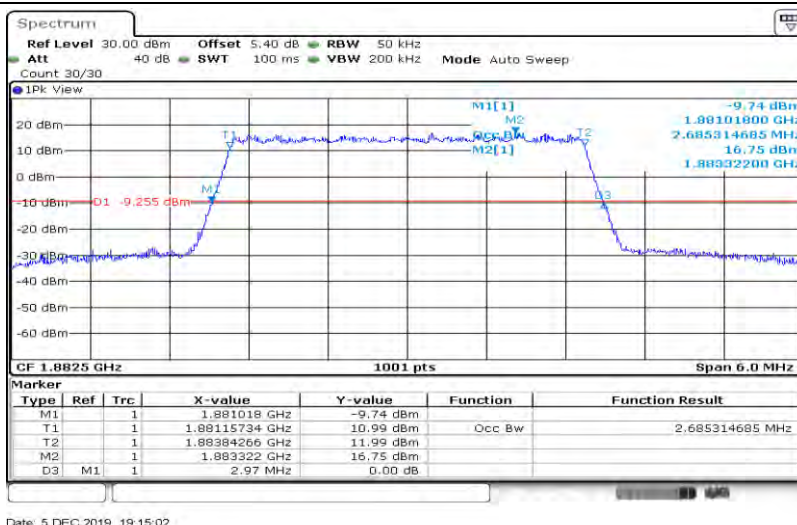


Band25-3MHz-16QAM-26365-15RB#0-2.685

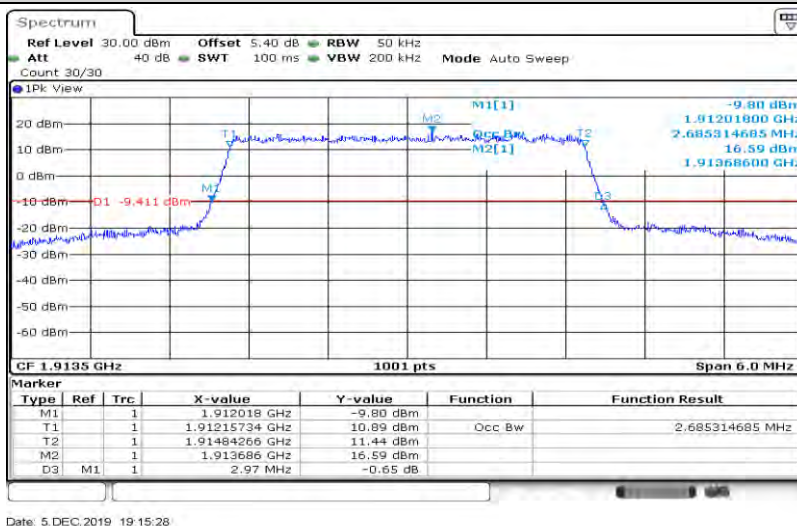


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-3MHz-16QAM-26675-15RB#0-2.685

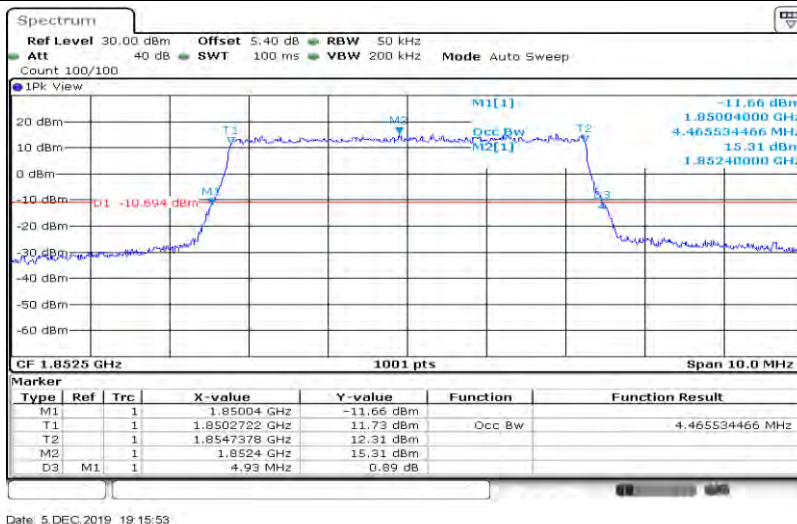


Band25-5MHz-QPSK-26065-25RB#0-4.466

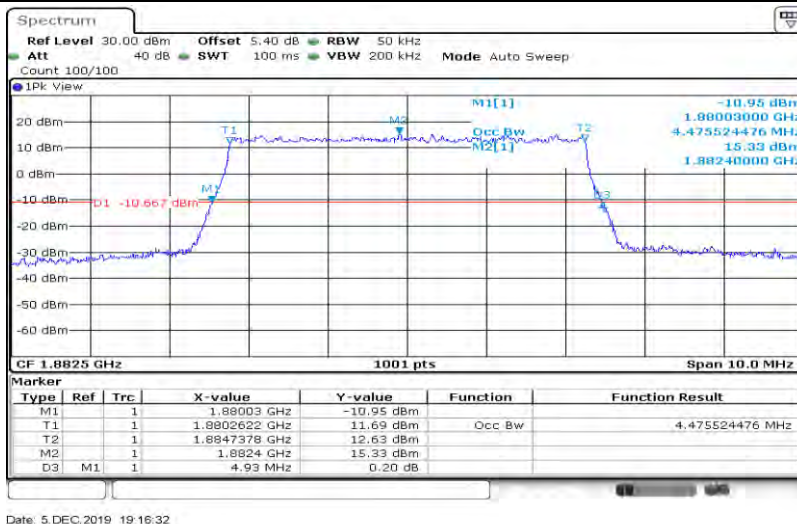


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-5MHz-QPSK-26365-25RB#0-4.476



Band25-5MHz-QPSK-26665-25RB#0-4.476



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-5MHz-16QAM-26065-25RB#0-4.486



Band25-5MHz-16QAM-26365-25RB#0-4.496



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-5MHz-16QAM-26665-25RB#0-4.486

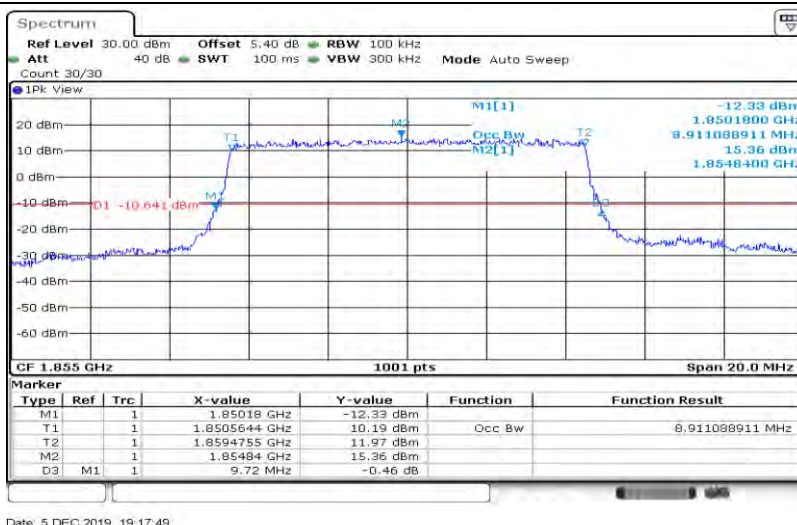


Band25-10MHz-QPSK-26090-50RB#0-8.911

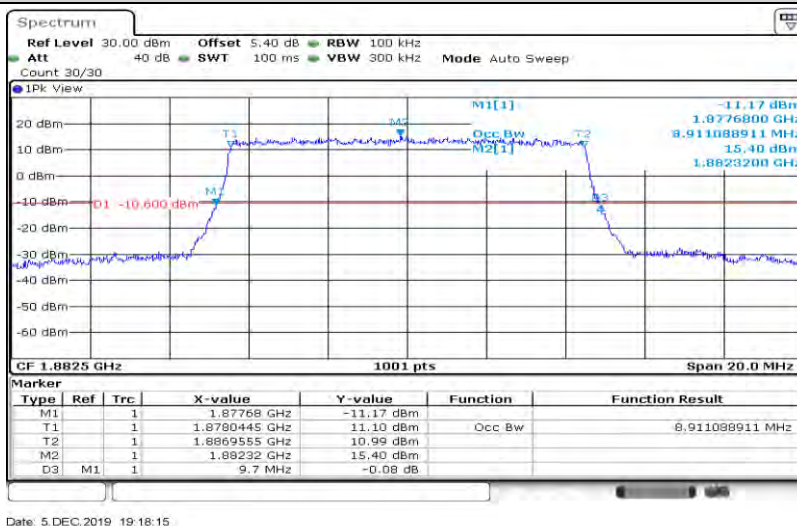


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-10MHz-QPSK-26365-50RB#0-8.911

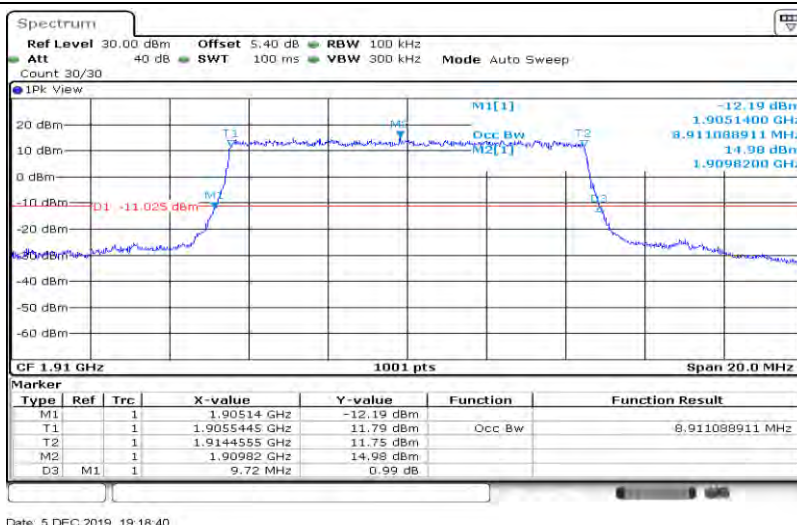


Band25-10MHz-QPSK-26640-50RB#0-8.911

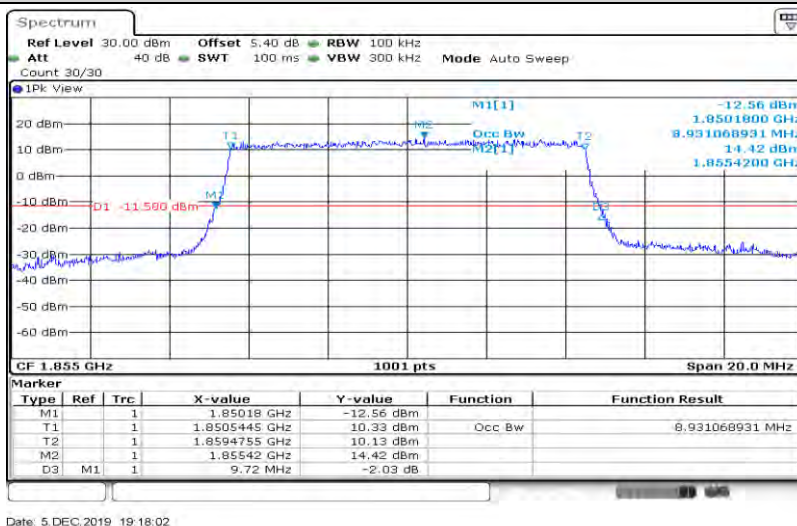


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, 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



Band25-10MHz-16QAM-26090-50RB#0-8.931

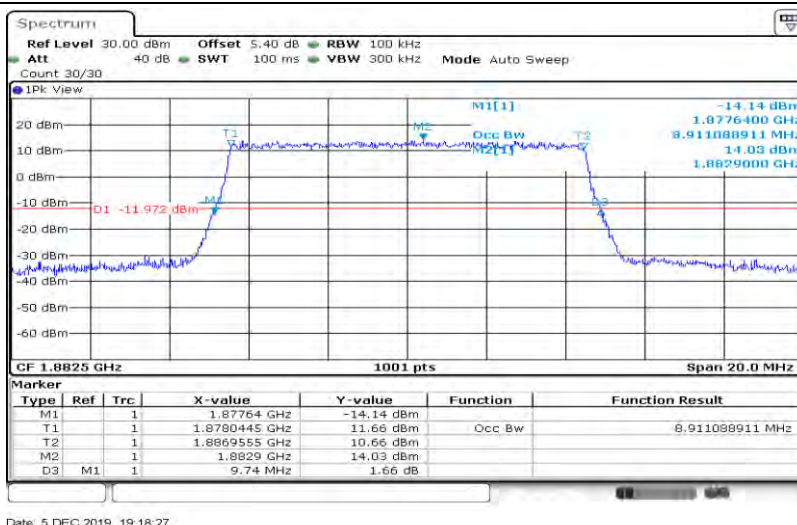


Band25-10MHz-16QAM-26365-50RB#0-8.911

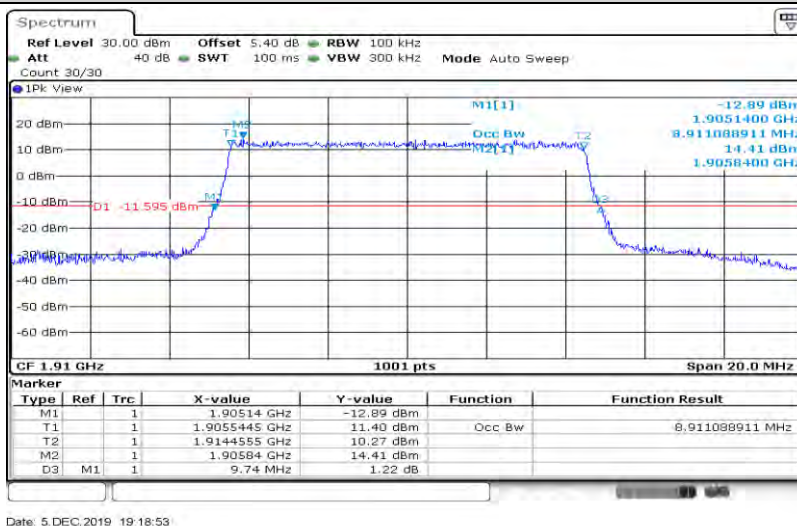


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band25-10MHz-16QAM-26640-50RB#0-8.911

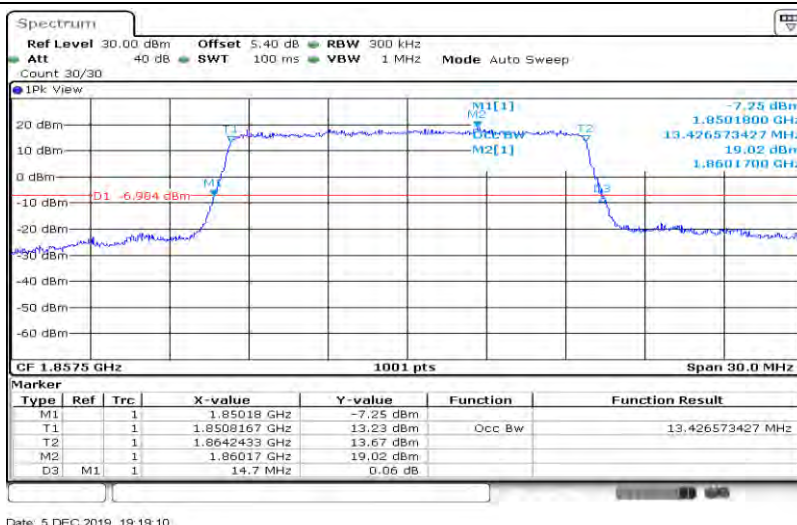


Band25-15MHz-QPSK-26115-75RB#0-13.427

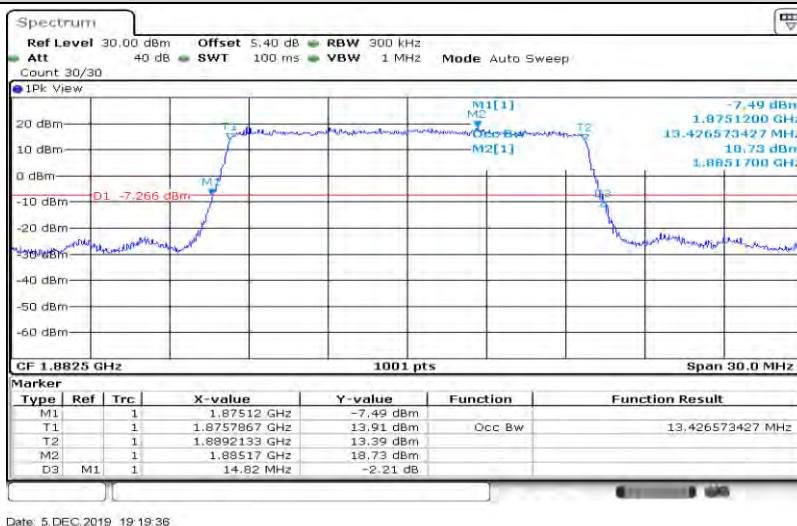


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-15MHz-QPSK-26365-75RB#0-13.427

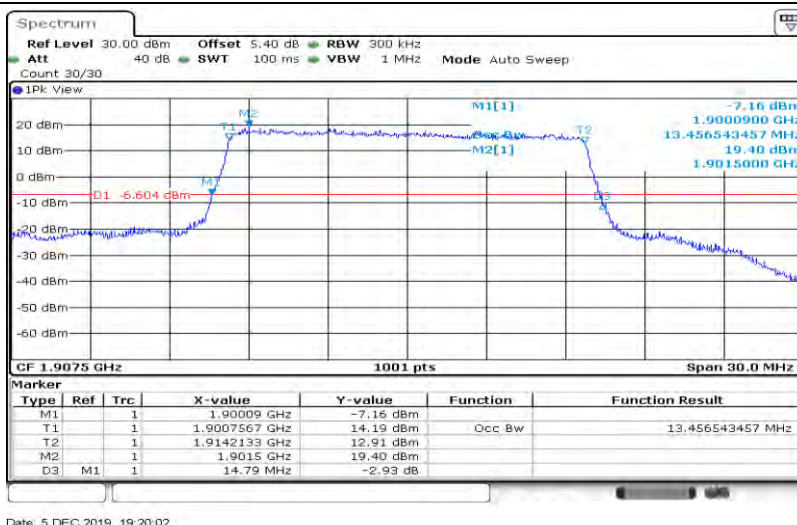


Band25-15MHz-QPSK-26615-75RB#0-13.457

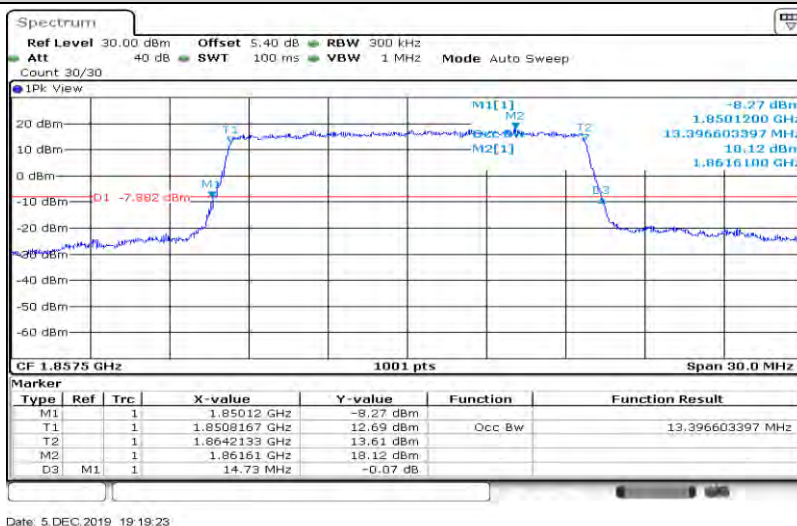


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

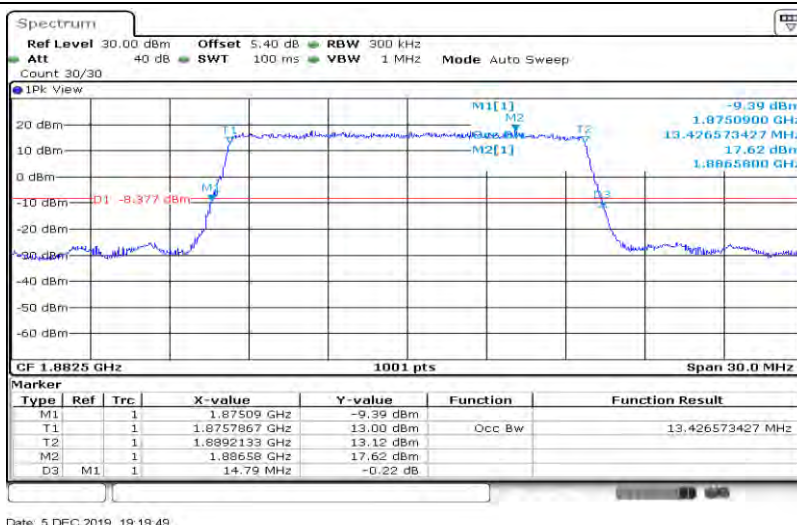


Band25-15MHz-16QAM-26115-75RB#0-13.397

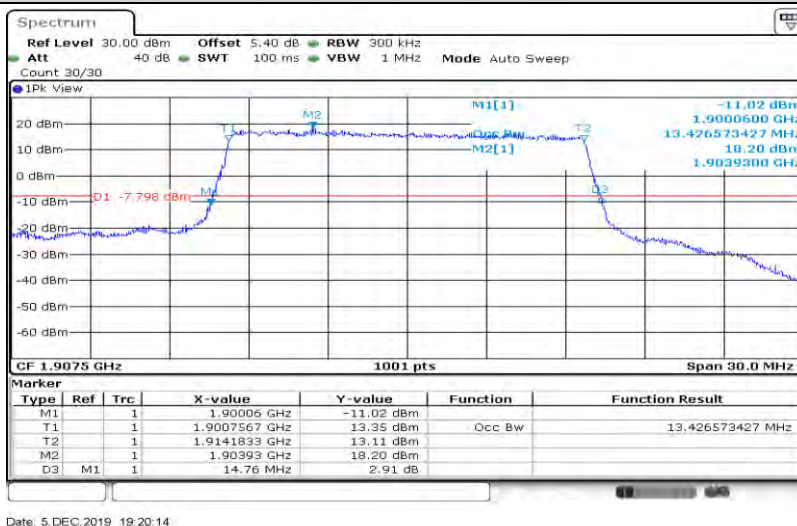


Band25-15MHz-16QAM-26365-75RB#0-13.427





Band25-15MHz-16QAM-26615-75RB#0-13.427

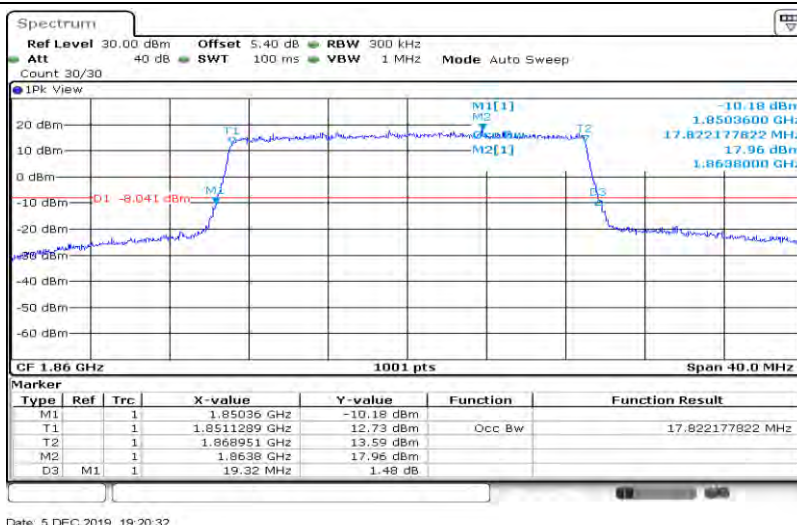


Band25-20MHz-QPSK-26140-100RB#0-17.822

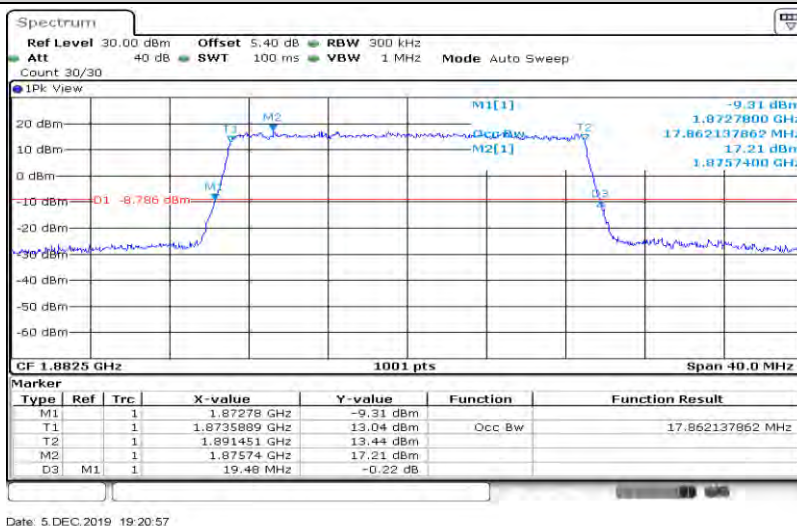


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-20MHz-QPSK-26365-100RB#0-17.862

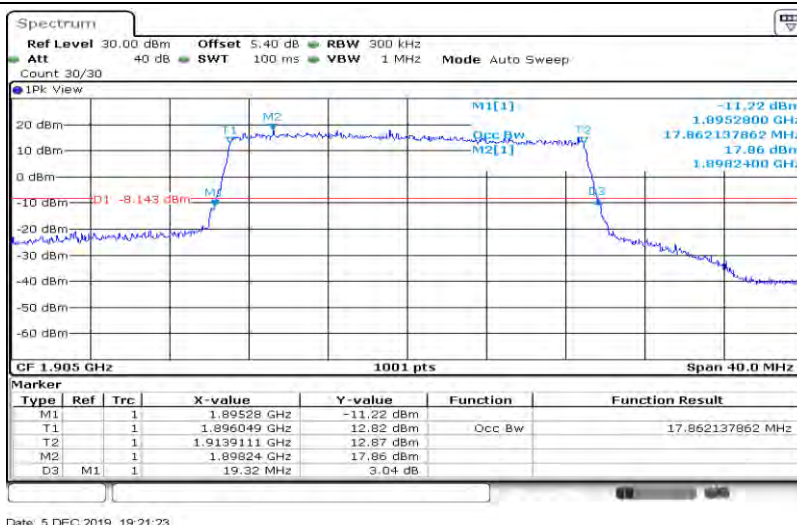


Band25-20MHz-QPSK-26590-100RB#0-17.862



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-20MHz-16QAM-26140-100RB#0-17.822

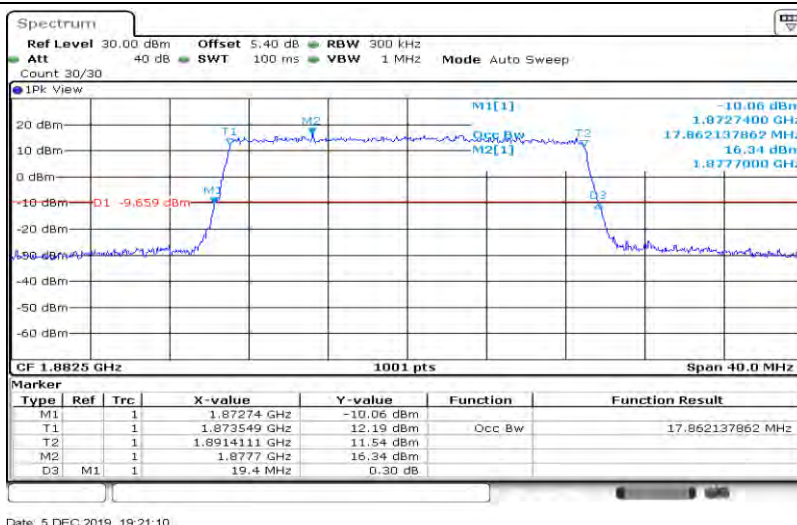


Band25-20MHz-16QAM-26365-100RB#0-17.862

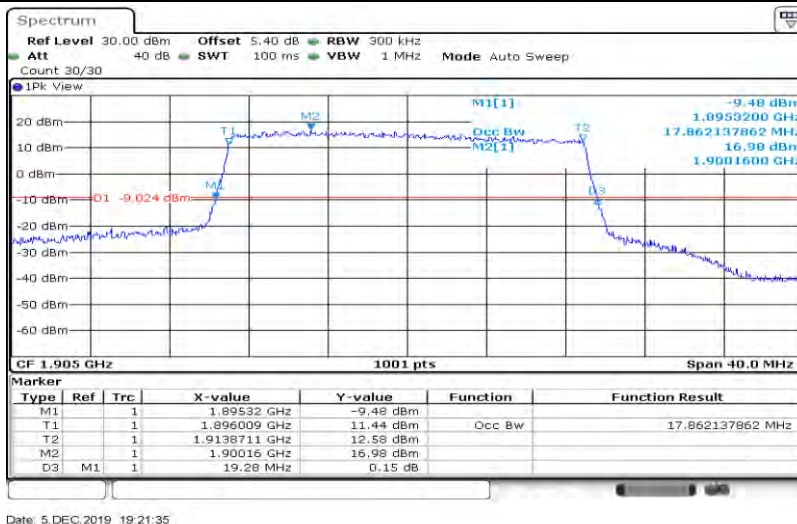


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, 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



Band25-20MHz-16QAM-26590-100RB#0-17.862



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



5. Band Edge Compliance

5.1. Test Plots

Band25-1.4MHz-QPSK-26047-1RB#0



Date: 5 DEC 2019 19:22:00

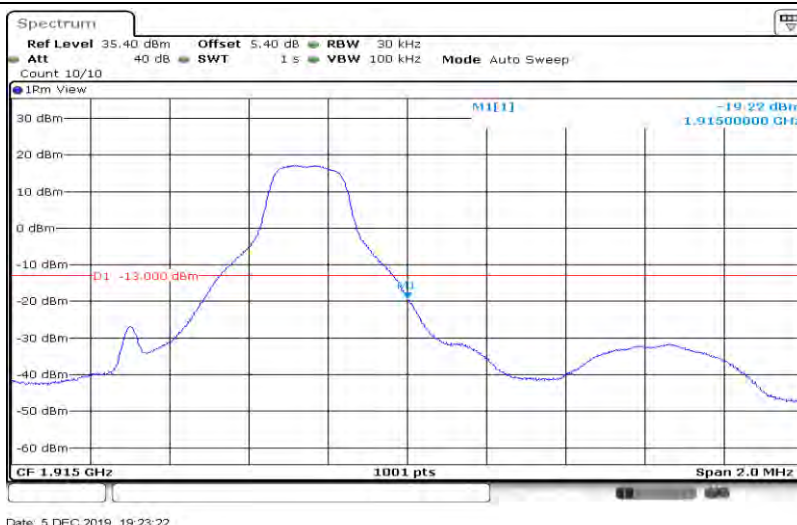
Band25-1.4MHz-QPSK-26047-6RB#0



Date: 5 DEC 2019 19:22:39

Band25-1.4MHz-QPSK-26683-1RB#5





Band25-1.4MHz-QPSK-26683-6RB#0



Band25-1.4MHz-16QAM-26047-1RB#0





Band25-1.4MHz-16QAM-26047-6RB#0

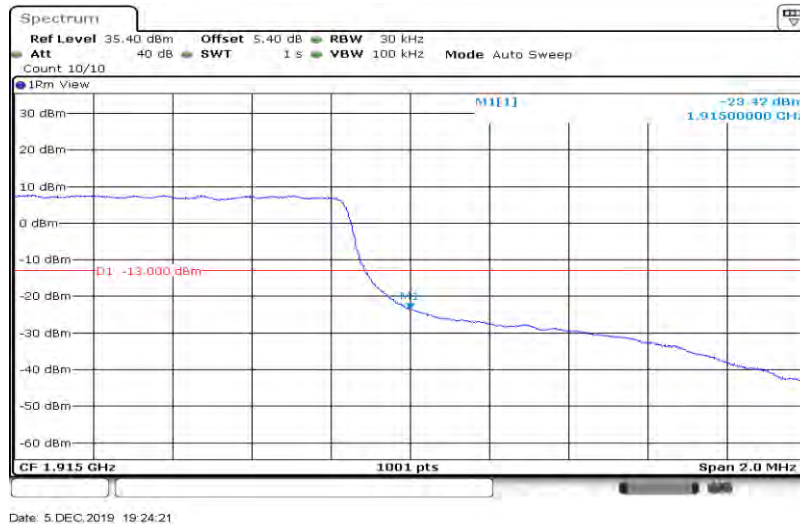


Band25-1.4MHz-16QAM-26683-1RB#5



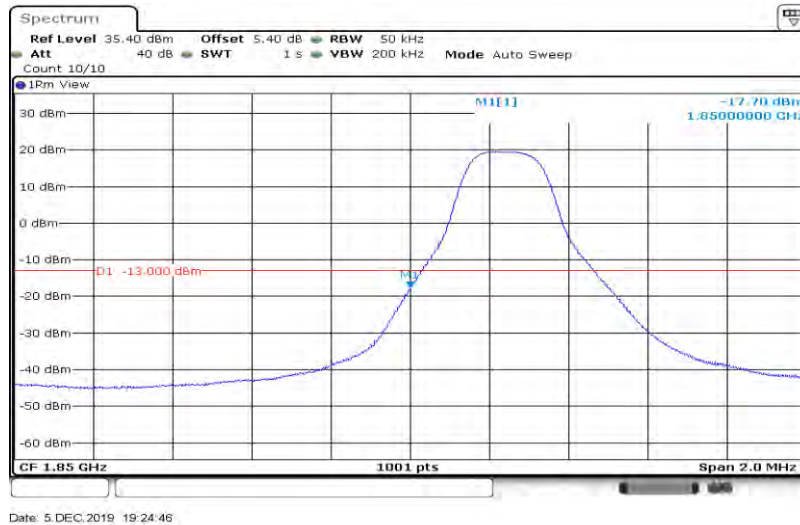


Band25-1.4MHz-16QAM-26683-6RB#0



Band25-3MHz-QPSK-26055-1RB#0





Band25-3MHz-QPSK-26055-15RB#0



Band25-3MHz-QPSK-26675-1RB#14



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

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

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

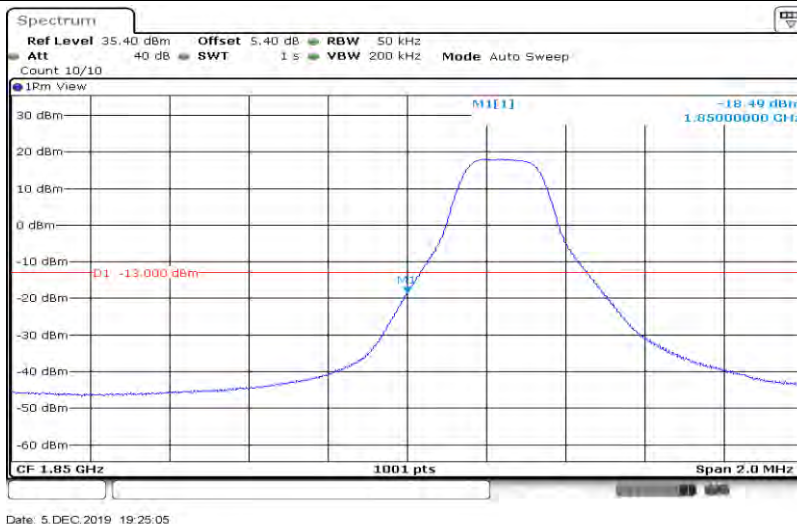


Band25-3MHz-QPSK-26675-15RB#0



Band25-3MHz-16QAM-26055-1RB#0





Band25-3MHz-16QAM-26055-15RB#0



Band25-3MHz-16QAM-26675-1RB#14





Band25-3MHz-16QAM-26675-15RB#0



Band25-5MHz-QPSK-26065-1RB#0





Band25-5MHz-QPSK-26065-25RB#0



Band25-5MHz-QPSK-26665-1RB#24





Band25-5MHz-QPSK-26665-25RB#0



Band25-5MHz-16QAM-26065-1RB#0





Band25-5MHz-16QAM-26065-25RB#0



Band25-5MHz-16QAM-26665-1RB#24



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

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

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



Band25-5MHz-16QAM-26665-25RB#0



Band25-10MHz-QPSK-26090-1RB#0



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



Band25-10MHz-QPSK-26090-50RB#0



Band25-10MHz-QPSK-26640-1RB#49



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

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

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



Band25-10MHz-QPSK-26640-50RB#0



Band25-10MHz-16QAM-26090-1RB#0



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

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

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



Band25-10MHz-16QAM-26090-50RB#0



Band25-10MHz-16QAM-26640-1RB#49



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

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

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



Band25-10MHz-16QAM-26640-50RB#0



Band25-15MHz-QPSK-26115-1RB#0



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

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

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



Band25-15MHz-QPSK-26115-75RB#0



Band25-15MHz-QPSK-26615-1RB#74



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

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

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



Band25-15MHz-QPSK-26615-75RB#0



Band25-15MHz-16QAM-26115-1RB#0



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

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



Band25-15MHz-16QAM-26115-75RB#0



Band25-15MHz-16QAM-26615-1RB#74



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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-15MHz-16QAM-26615-75RB#0

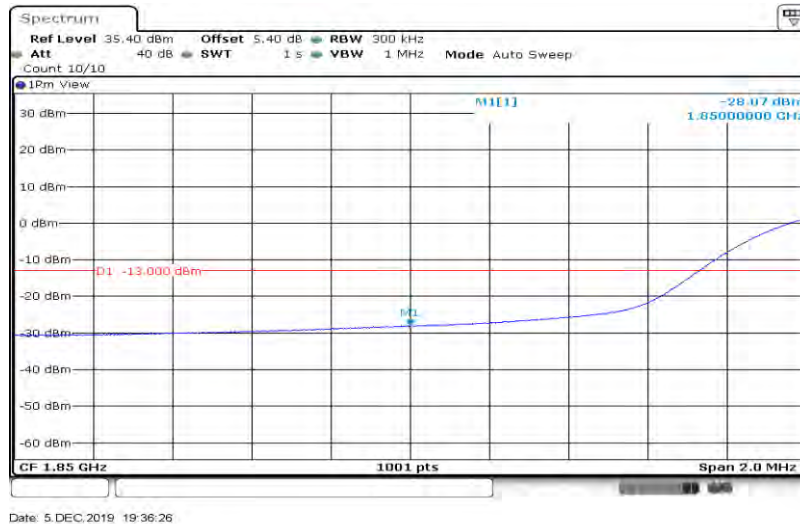


Band25-20MHz-QPSK-26140-1RB#0





Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26590-1RB#99





Band25-20MHz-QPSK-26590-100RB#0



Band25-20MHz-16QAM-26140-1RB#0





Band25-20MHz-16QAM-26140-100RB#0



Band25-20MHz-16QAM-26590-1RB#99





Band25-20MHz-16QAM-26590-100RB#0



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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



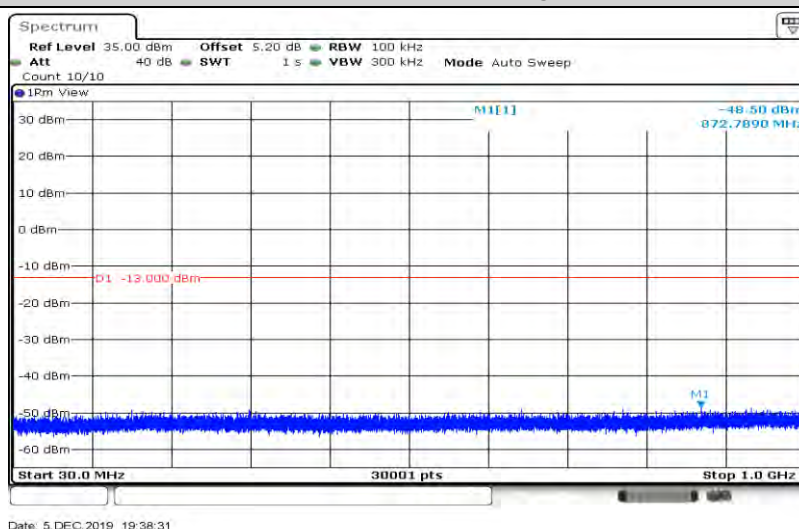
6. Spurious Emission at Antenna Terminal

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.

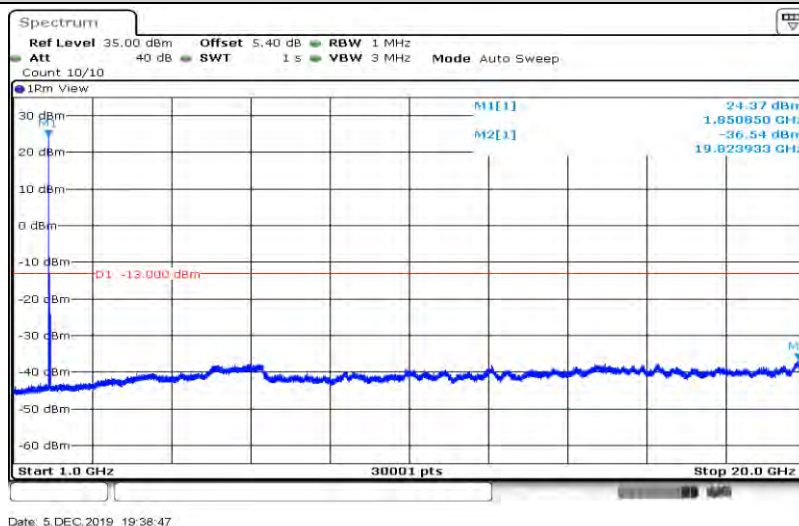
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band25-20MHz-QPSK-26140-1RB#0-Range1:30~1000MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:1000~20000MHz

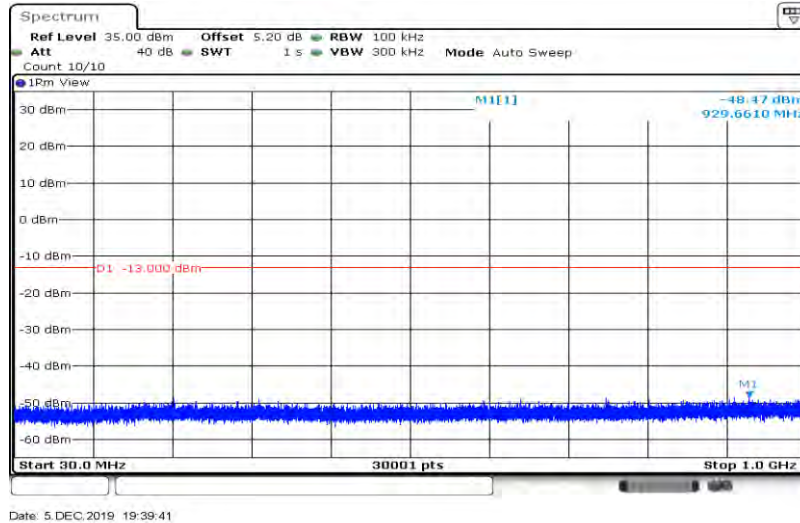


Band25-20MHz-QPSK-26365-1RB#0-Range1:30~1000MHz

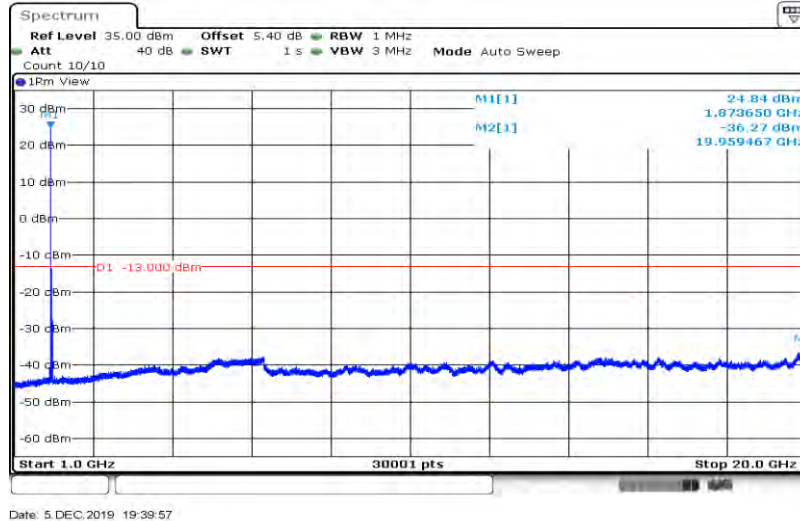


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-20MHz-QPSK-26365-1RB#0-Range2:1000~20000MHz

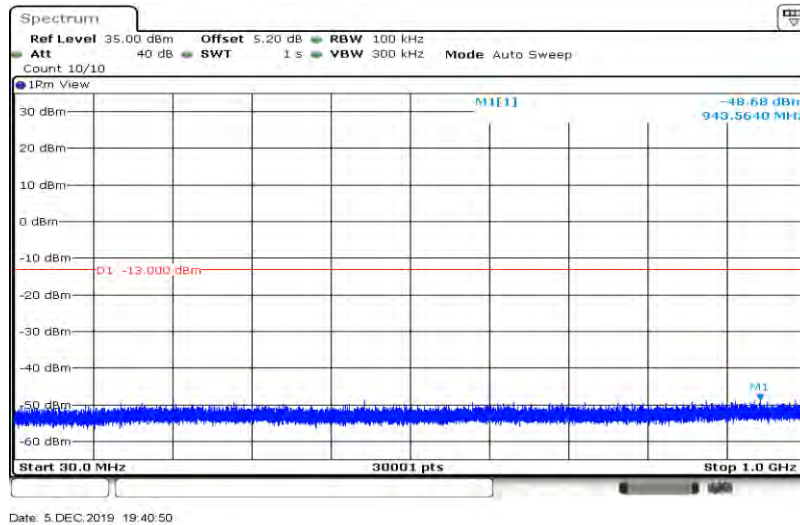


Band25-20MHz-QPSK-26590-1RB#0-Range1:30~1000MHz

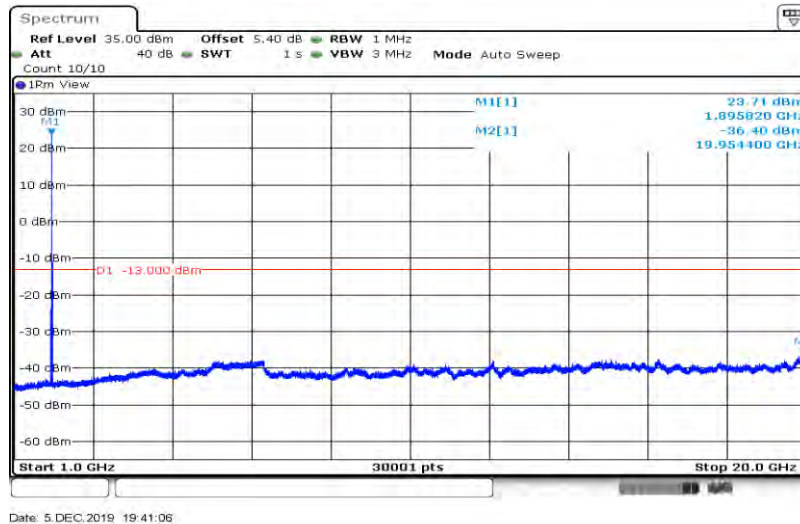


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band25-20MHz-QPSK-26590-1RB#0-Range2:1000~20000MHz

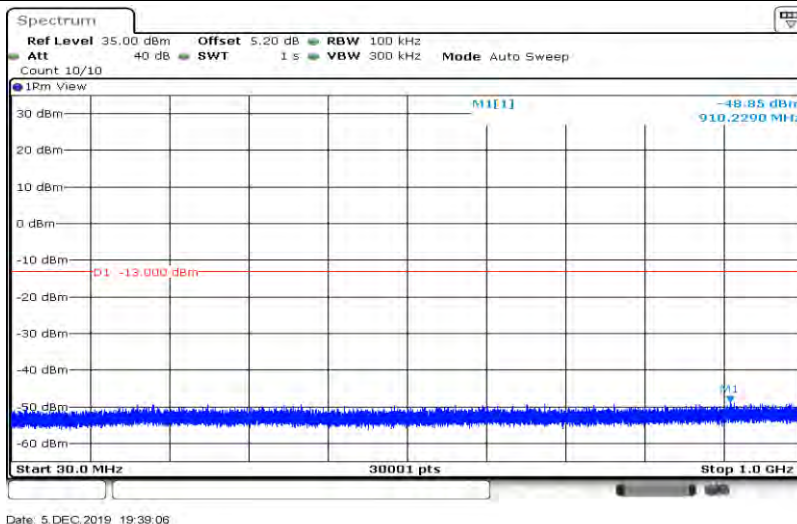


Band25-20MHz-16QAM-26140-1RB#0-Range1:30~1000MHz

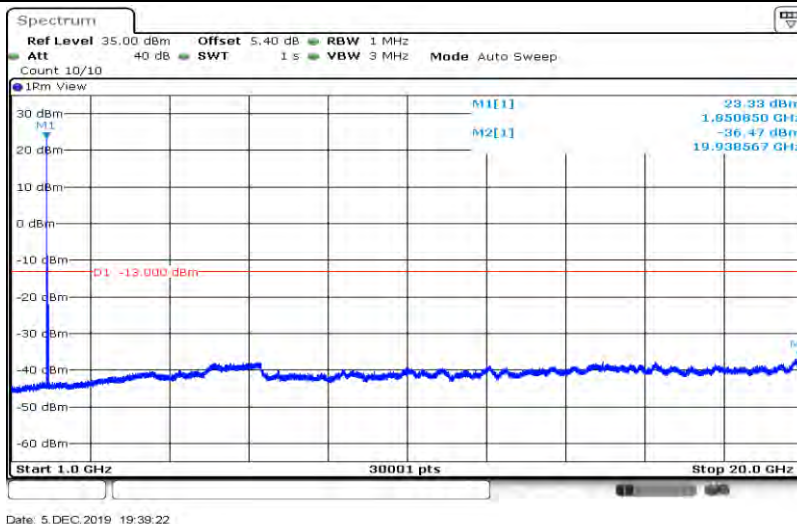


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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) 83071443, 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

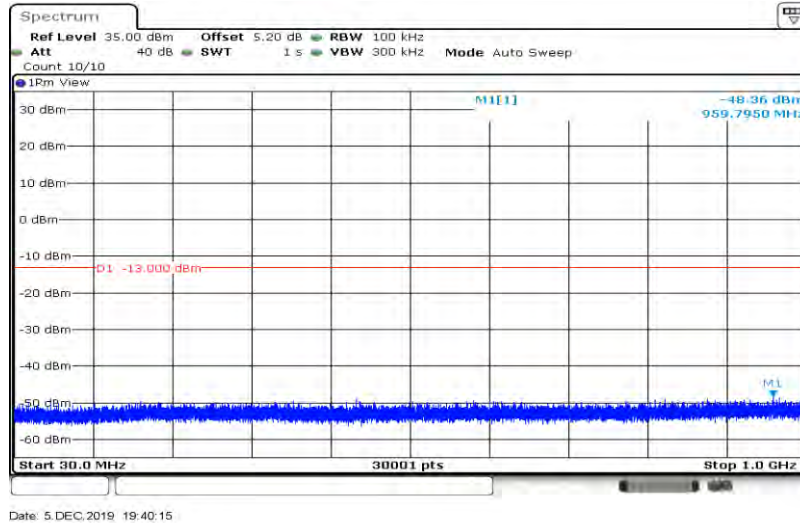


Band25-20MHz-16QAM-26140-1RB#0-Range2:1000~20000MHz

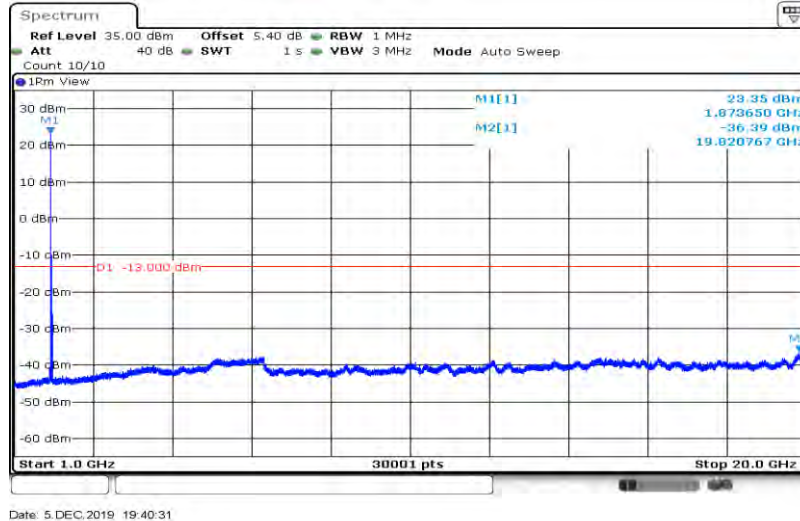


Band25-20MHz-16QAM-26365-1RB#0-Range1:30~1000MHz





Band25-20MHz-16QAM-26365-1RB#0-Range2:1000~20000MHz

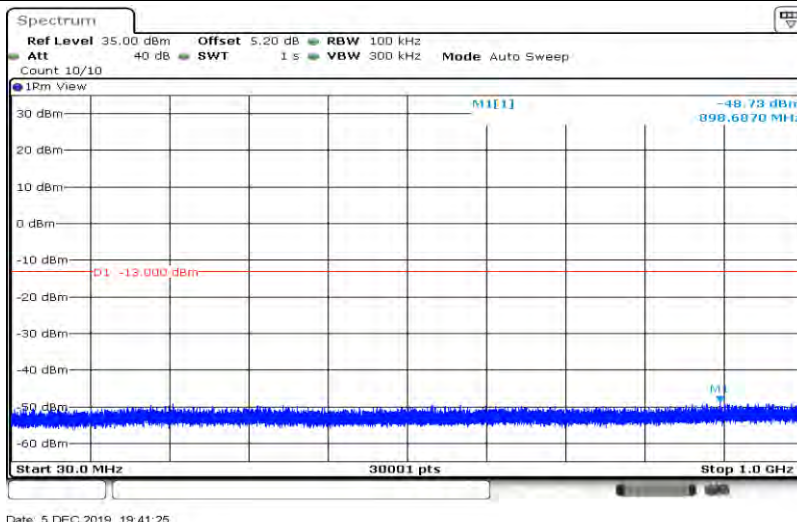


Band25-20MHz-16QAM-26590-1RB#0-Range1:30~1000MHz

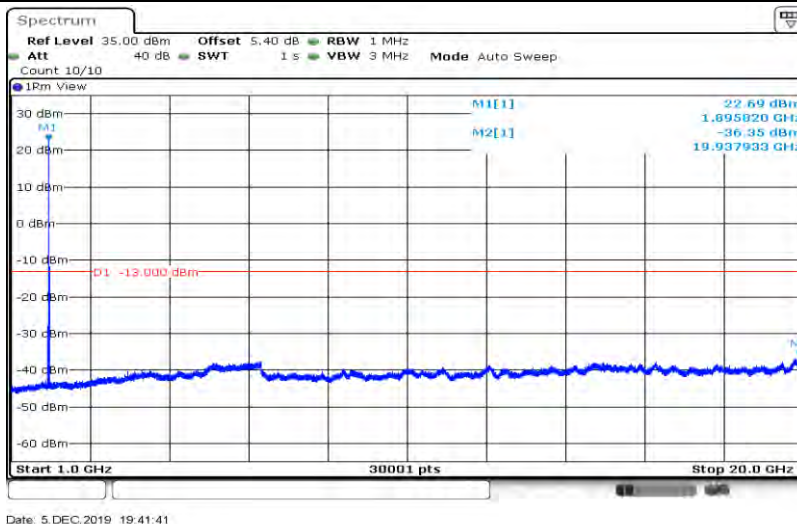


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band25-20MHz-16QAM-26590-1RB#0-Range2:1000~20000MHz



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.2344	-65.69	-13.00	52.69	Vertical
2688.3377	-37.70	-13.00	24.70	Vertical
3747.0249	-47.26	-13.00	34.26	Vertical
5620.5874	-47.96	-13.00	34.96	Vertical
7494.6498	-46.30	-13.00	33.30	Vertical
17985.9995	-35.57	-13.00	22.57	Vertical
43.1927	-63.28	-13.00	50.28	Horizontal
2701.5403	-36.42	-13.00	23.42	Horizontal
3747.0249	-47.59	-13.00	34.59	Horizontal
5620.5874	-51.27	-13.00	38.27	Horizontal
7494.1498	-50.16	-13.00	37.16	Horizontal
16402.4467	-40.75	-13.00	27.75	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.3086	-64.99	-13.00	51.99	Vertical
2696.3393	-37.47	-13.00	24.47	Vertical
3702.0234	-42.33	-13.00	29.33	Vertical
5553.0851	-49.51	-13.00	36.51	Vertical
7404.1468	-49.08	-13.00	36.08	Vertical
17992.4998	-34.81	-13.00	21.81	Vertical
42.4651	-64.92	-13.00	51.92	Horizontal
2701.5403	-36.31	-13.00	23.31	Horizontal
3702.0234	-41.24	-13.00	28.24	Horizontal
5553.5851	-52.70	-13.00	39.70	Horizontal
7404.1468	-52.10	-13.00	39.10	Horizontal
16396.9466	-38.58	-13.00	25.58	Horizontal



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

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
113.4242	-64.97	-13.00	51.97	Vertical
2695.5391	-37.45	-13.00	24.45	Vertical
3792.0264	-44.62	-13.00	31.62	Vertical
5688.0896	-45.12	-13.00	32.12	Vertical
7584.1528	-47.78	-13.00	34.78	Vertical
17891.9964	-36.40	-13.00	23.40	Vertical
43.3382	-64.84	-13.00	51.84	Horizontal
2701.9404	-36.25	-13.00	23.25	Horizontal
3792.0264	-43.14	-13.00	30.14	Horizontal
5688.0896	-48.22	-13.00	35.22	Horizontal
7584.1528	-50.13	-13.00	37.13	Horizontal
16399.9467	-38.83	-13.00	25.83	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

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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	VL	NT	0.70	0.000376	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	-0.60	-0.000323	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	1.20	0.000645	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	0.50	0.000266	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	0.70	0.000372	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	-0.60	-0.000315	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VL	NT	0.70	0.000376	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VN	NT	0.50	0.000269	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	VH	NT	1.00	0.000538	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VL	NT	-0.80	-0.000425	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VN	NT	0.50	0.000266	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	VH	NT	2.10	0.001116	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VL	NT	1.20	0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VN	NT	1.30	0.000682	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	VH	NT	1.20	0.000630	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	1.70	0.000914	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	1.10	0.000591	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	-1.00	-0.000538	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	0.20	0.000108	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-0.40	-0.000215	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	1.00	0.000538	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	0.60	0.000319	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-1.10	-0.000584	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	3.00	0.001594	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	0.20	0.000106	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-0.20	-0.000106	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	1.90	0.001009	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	2.10	0.001116	±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 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



Band25	20MHz	QPSK	26590	100RB#0	NV	-30	1.70	0.000892	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	0.80	0.000420	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	0.60	0.000315	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	0.70	0.000367	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	1.30	0.000682	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	1.90	0.000997	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	2.30	0.001207	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	2.60	0.001365	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-30	1.60	0.000860	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	-20	1.50	0.000806	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	0	-0.30	-0.000161	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	10	0.70	0.000376	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	20	1.70	0.000914	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	30	0.10	0.000054	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	40	1.50	0.000806	±2.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	NV	50	1.00	0.000538	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-30	0.20	0.000106	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	-20	1.20	0.000637	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	0	1.50	0.000797	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	10	0.30	0.000159	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	20	0.90	0.000478	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	30	-0.70	-0.000372	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	40	-0.60	-0.000319	±2.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	NV	50	-0.20	-0.000106	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-30	-1.80	-0.000945	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	-20	-0.10	-0.000052	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	0	-1.20	-0.000630	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	10	-0.50	-0.000262	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	20	0.10	0.000052	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	30	-0.80	-0.000420	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	40	0.20	0.000105	±2.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	NV	50	1.00	0.000525	±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 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