



Appendix B

E-UTRA Band 17



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)	11
2.1.	TEST RESULT	11
2.2.	TEST PLOTS.....	11
3.	MODULATION CHARACTERISTICS	16
3.1.	TEST MODE = LTE /TM1 10MHZ.....	16
3.1.1.	TEST CHANNEL = MCH.....	16
3.2.	TEST MODE = LTE /TM2 10MHZ.....	17
3.2.1.	TEST CHANNEL = MCH.....	17
3.3.	TEST MODE = LTE /TM3 10MHZ.....	18
3.3.1.	TEST CHANNEL = MCH.....	18
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	19
4.1.	TEST RESULT	19
4.2.	TEST PLOTS.....	20
5.	BAND EDGE COMPLIANCE	29
5.1.	TEST PLOTS.....	29
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	42
6.1.	TEST PLOTS.....	42
7.	FREQUENCY STABILITY	52
7.1.	FREQUENCY VS VOLTAGE	52
7.2.	FREQUENCY VS TEMPERATURE	53



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

ANT1:

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.99	13.34	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.18	13.53	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.10	13.45	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.95	12.30	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.01	12.36	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.98	12.33	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.07	12.42	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.11	13.46	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.02	13.37	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.18	13.53	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.11	12.46	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.03	12.38	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.95	12.30	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.04	12.39	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.02	13.37	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.14	13.49	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.01	13.36	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.07	12.42	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.07	12.42	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.02	12.37	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.05	12.40	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.52	12.87	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.86	12.21	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.16	12.51	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.91	11.26	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.05	11.40	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.87	11.22	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.96	11.31	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.12	12.47	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.48	12.83	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.39	12.74	34.77	PASS



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

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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band17	5MHz	16QAM	23790	12RB#0	22.01	11.36	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.06	11.41	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.88	11.23	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.02	11.37	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.97	12.32	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.55	12.90	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.47	12.82	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.98	11.33	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.08	11.43	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.05	11.40	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.04	11.39	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.26	10.61	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.33	10.68	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.28	10.63	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.24	9.59	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.19	9.54	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.18	9.53	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.23	9.58	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.22	10.57	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.17	10.52	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.15	10.50	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.21	9.56	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.17	9.52	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.16	9.51	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.22	9.57	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.23	10.58	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.20	10.55	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.27	10.62	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.33	9.68	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.27	9.62	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.25	9.60	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.14	9.49	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.99	13.34	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.10	13.45	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.22	13.57	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.06	12.41	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.03	12.38	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.92	12.27	34.77	PASS



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

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



Band17	10MHz	QPSK	23780	50RB#0	22.96	12.31	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.11	13.46	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.11	13.46	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.95	13.30	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.08	12.43	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.02	12.37	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.99	12.34	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.08	12.43	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.06	13.41	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.01	13.36	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.23	13.58	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.18	12.53	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.06	12.41	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.99	12.34	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.11	12.46	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.45	12.80	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.87	12.22	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.51	12.86	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.08	11.43	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.06	11.41	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.91	11.26	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.02	11.37	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.01	12.36	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.38	12.73	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.48	12.83	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.03	11.38	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	22.07	11.42	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.97	11.32	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.06	11.41	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.07	12.42	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.16	12.51	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.37	12.72	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.10	11.45	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.98	11.33	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.05	11.40	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.13	11.48	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.29	10.64	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.29	10.64	34.77	PASS



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

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



Band17	10MHz	64QAM	23780	1RB#49	21.28	10.63	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.33	9.68	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.19	9.54	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.18	9.53	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.15	9.50	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.18	10.53	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.12	10.47	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.15	10.50	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.27	9.62	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.17	9.52	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.18	9.53	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.30	9.65	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.32	10.67	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.23	10.58	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.19	10.54	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.28	9.63	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.21	9.56	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.19	9.54	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.16	9.51	34.77	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



ANT4:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.06	17.71	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.08	17.73	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.09	17.74	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.02	16.67	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.13	16.78	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.94	16.59	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.15	16.8	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.13	17.78	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.16	17.81	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.20	17.85	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.19	16.84	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.15	16.8	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.04	16.69	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.11	16.76	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.23	17.88	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.07	17.72	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.12	17.77	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.18	16.83	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.13	16.78	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.16	16.81	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.16	16.81	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.58	17.23	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.08	16.73	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.37	17.02	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.06	15.71	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.17	15.82	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.99	15.64	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.07	15.72	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.18	16.83	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.60	17.25	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.35	17	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.06	15.71	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.14	15.79	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	22.03	15.68	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.08	15.73	34.77	PASS



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

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



Band17	5MHz	16QAM	23825	1RB#0	23.33	16.98	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.27	16.92	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.18	16.83	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.07	15.72	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.12	15.77	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.06	15.71	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.23	15.88	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.64	15.29	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.72	15.37	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.52	15.17	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.08	13.73	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.36	14.01	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.36	14.01	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.52	14.17	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.43	15.08	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.55	15.2	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.10	14.75	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.18	13.83	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.21	13.86	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.04	13.69	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.18	13.83	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.49	15.14	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.59	15.24	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.57	15.22	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.78	14.43	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.34	13.99	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.38	14.03	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.32	13.97	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.05	17.7	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.33	17.98	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.14	17.79	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.13	16.78	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.16	16.81	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.98	16.63	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.08	16.73	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.98	17.63	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.14	17.79	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.24	17.89	34.77	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



Band17	10MHz	QPSK	23790	25RB#0	23.14	16.79	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.14	16.79	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.06	16.71	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.16	16.81	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.07	17.72	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.13	17.78	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.21	17.86	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.30	16.95	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.13	16.78	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.13	16.78	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.20	16.85	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.35	17	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.57	17.22	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.21	16.86	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.05	15.7	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.15	15.8	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.02	15.67	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.94	15.59	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.89	16.54	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.20	16.85	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.45	17.1	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.19	15.84	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	22.15	15.8	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.03	15.68	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.15	15.8	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.16	16.81	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.74	17.39	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.64	17.29	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.24	15.89	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.12	15.77	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.00	15.65	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.21	15.86	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.62	15.27	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.70	15.35	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.51	15.16	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.06	13.71	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.37	14.02	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.35	14	34.77	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



Band17	10MHz	64QAM	23780	50RB#0	20.52	14.17	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.41	15.06	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.52	15.17	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.10	14.75	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.23	13.88	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.21	13.86	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.09	13.74	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.18	13.83	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.47	15.12	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.58	15.23	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.59	15.24	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.77	14.42	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.36	14.01	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.35	14	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.35	14	34.77	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]

The conducted Power is measured by Base Station Simulator



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

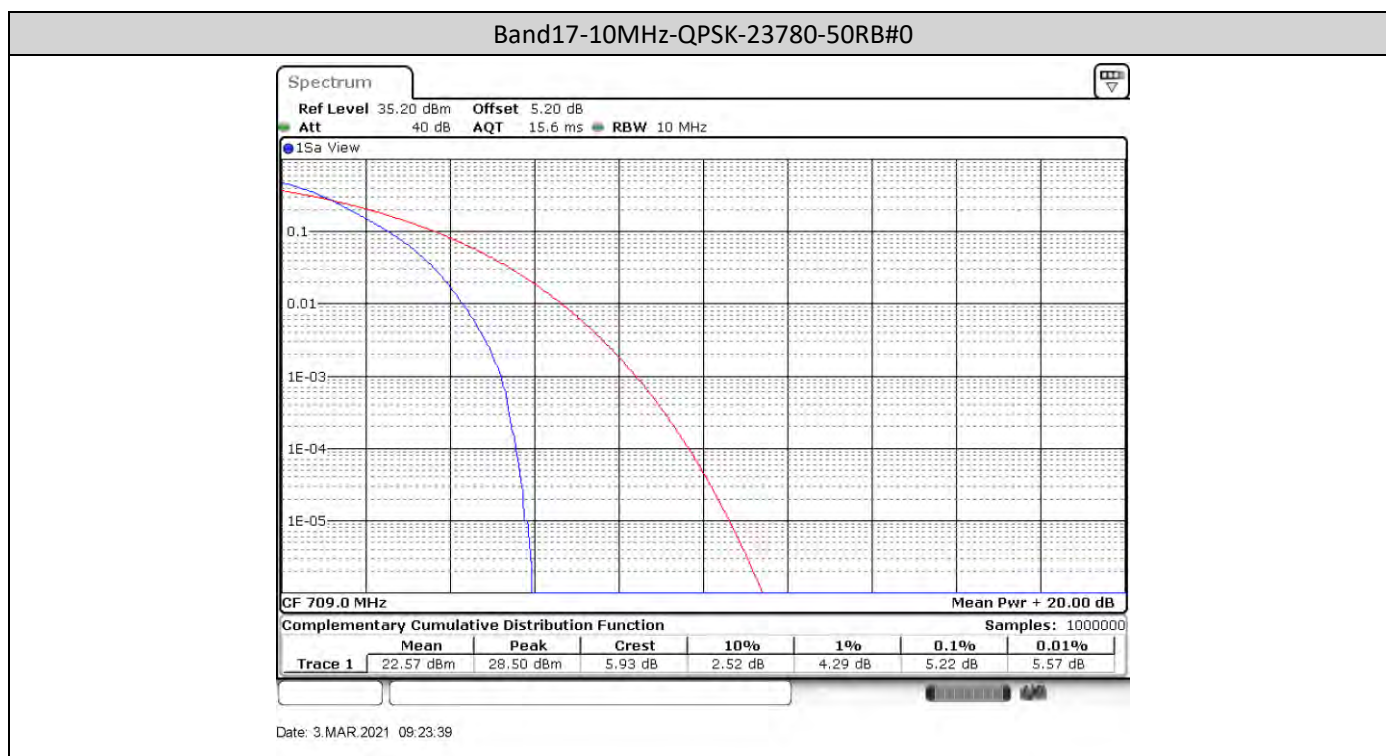


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.22	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.22	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.42	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.46	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.49	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.52	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.09	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.09	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.23	13	PASS

2.2. Test Plots

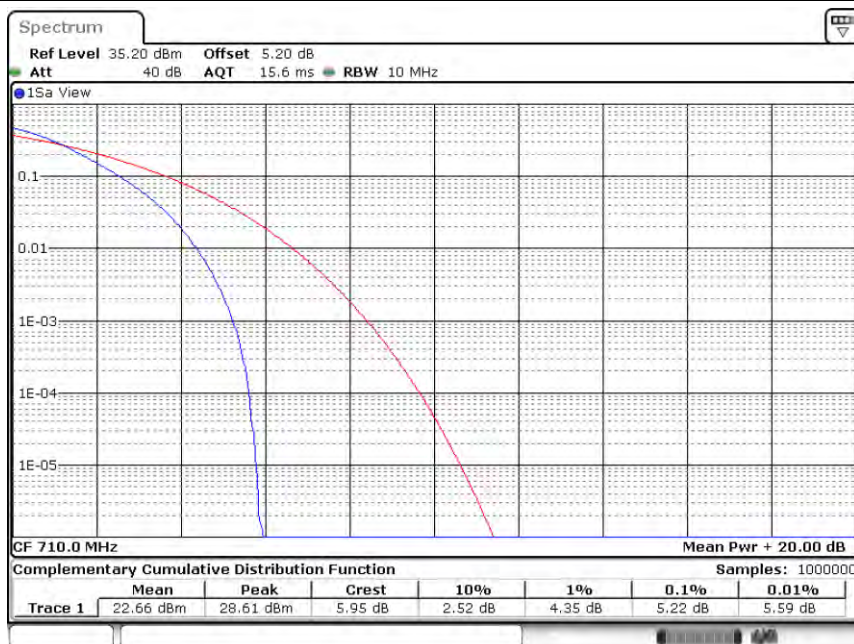


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

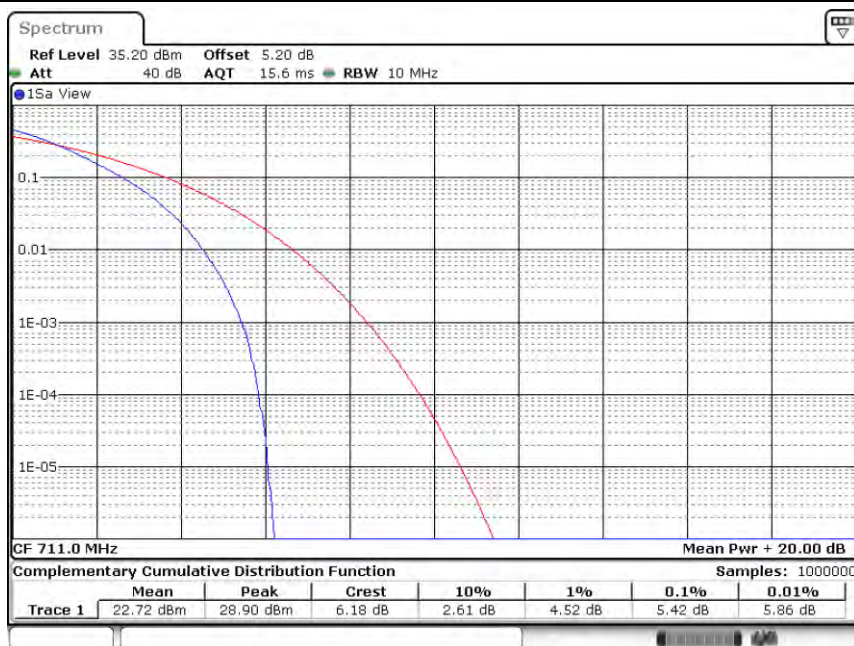


Band17-10MHz-QPSK-23790-50RB#0



Date: 3.MAR.2021 09:24:02

Band17-10MHz-QPSK-23800-50RB#0



Date: 3.MAR.2021 09:24:24



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

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

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

Member of the SGS Group (SGS SA)



Band17-10MHz-64QAM-23780-50RB#0



Date: 3.MAR.2021 10:13:42

Band17-10MHz-64QAM-23790-50RB#0



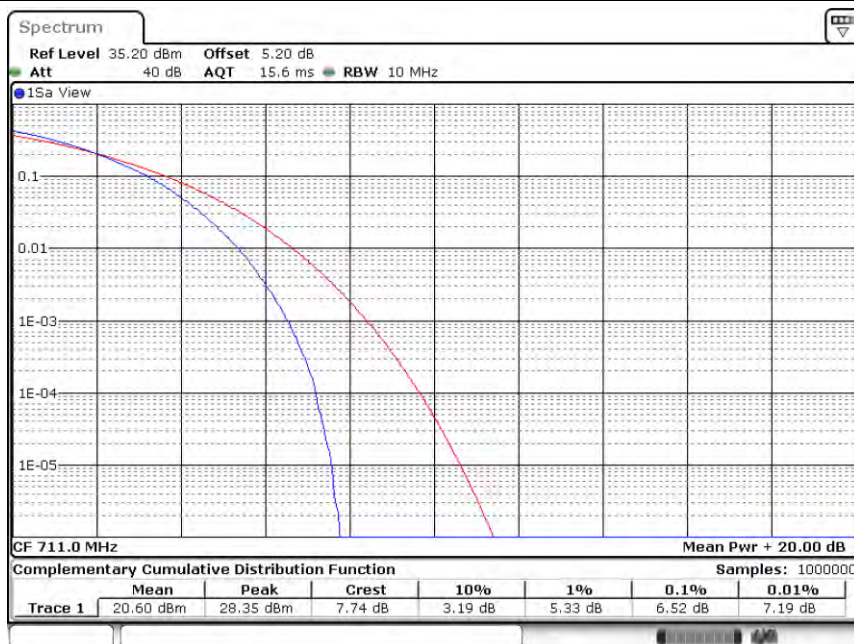
Date: 3.MAR.2021 10:13:54



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

Band17-10MHz-64QAM-23800-50RB#0



Date: 3.MAR.2021 10:14:05

Band17-10MHz-16QAM-23780-50RB#0



Date: 3.MAR.2021 09:23:50



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



Band17-10MHz-16QAM-23790-50RB#0



Date: 3.MAR.2021 09:24:13

Band17-10MHz-16QAM-23800-50RB#0



Date: 3.MAR.2021 09:24:36



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.

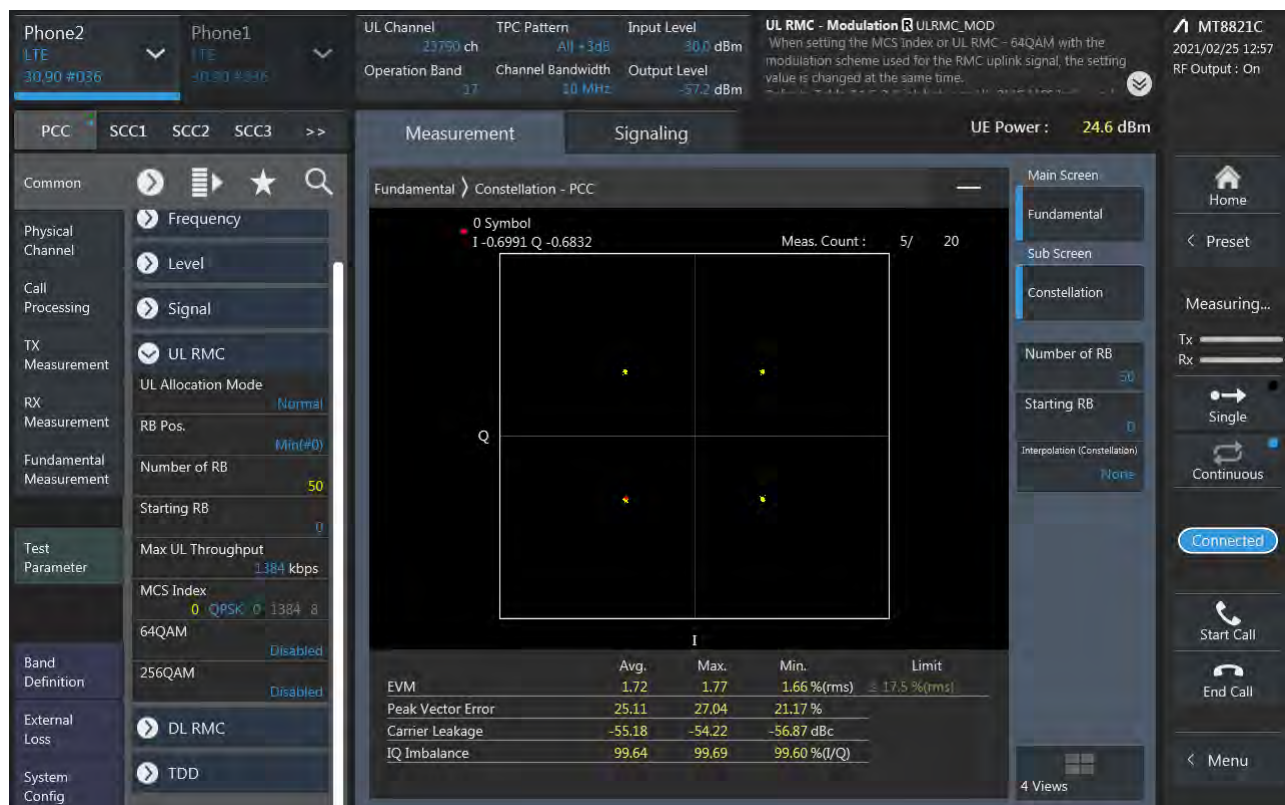
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

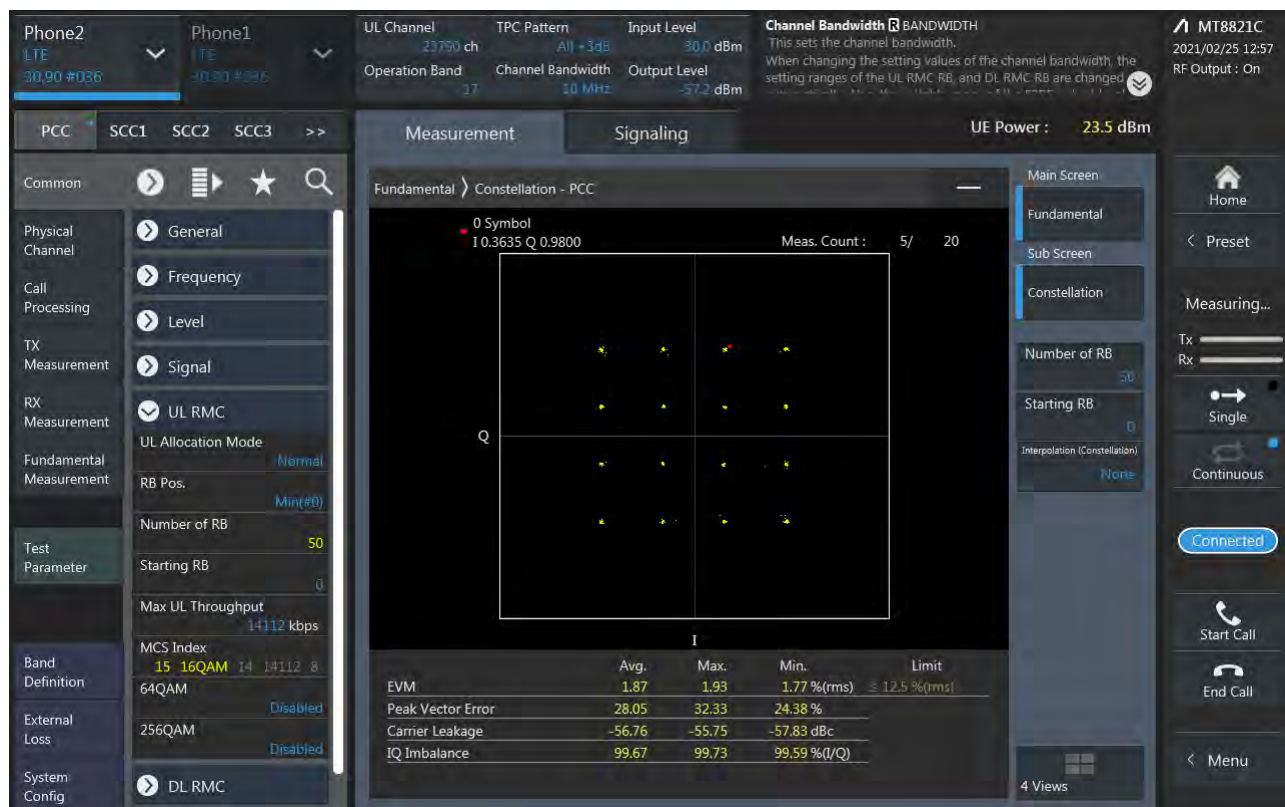
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

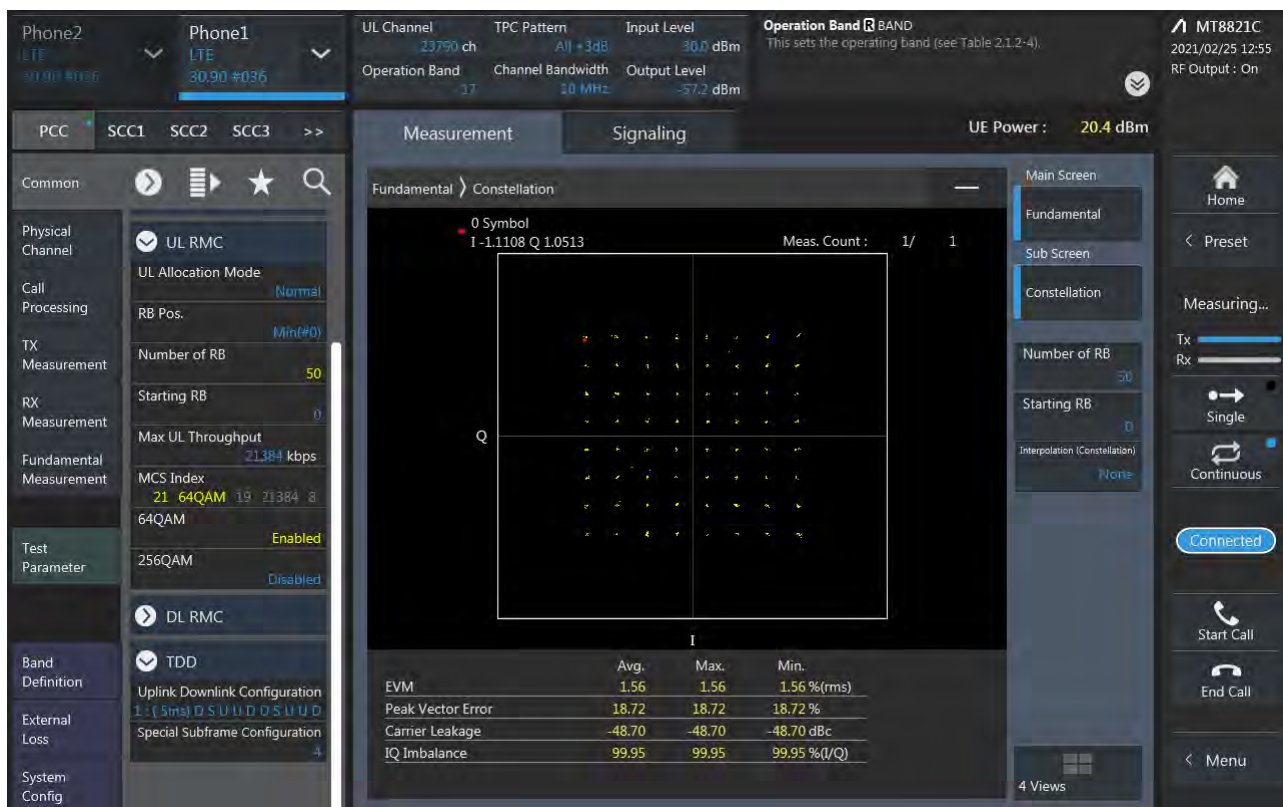
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

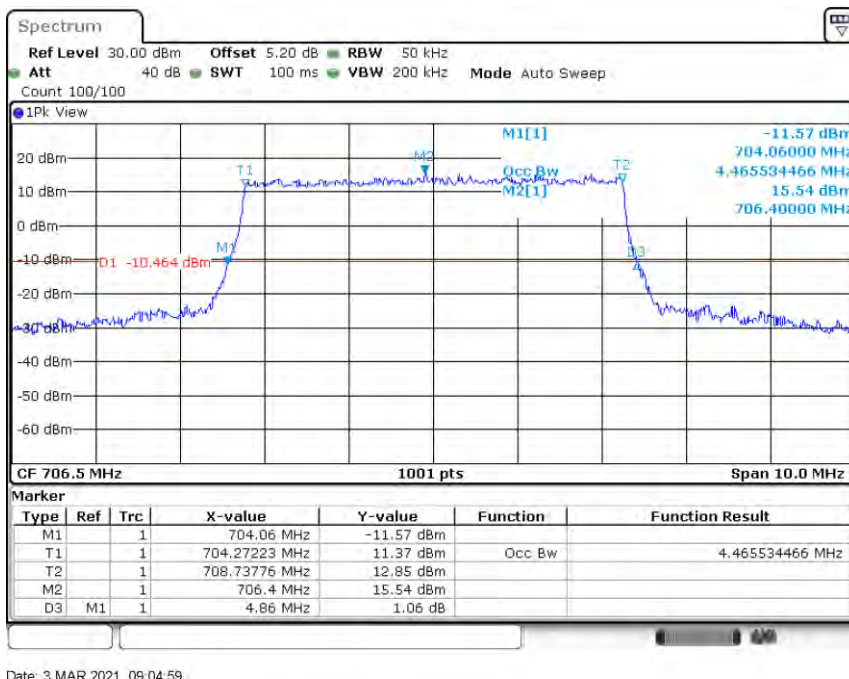
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.466	4.860	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.476	4.860	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.476	4.980	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.466	4.850	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.466	4.840	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.476	4.910	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.486	4.890	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.476	4.840	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.486	4.870	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.891	9.580	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.931	9.620	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.931	9.600	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.891	9.520	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.911	9.540	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.911	9.560	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.891	9.600	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.911	9.600	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.931	9.600	PASS



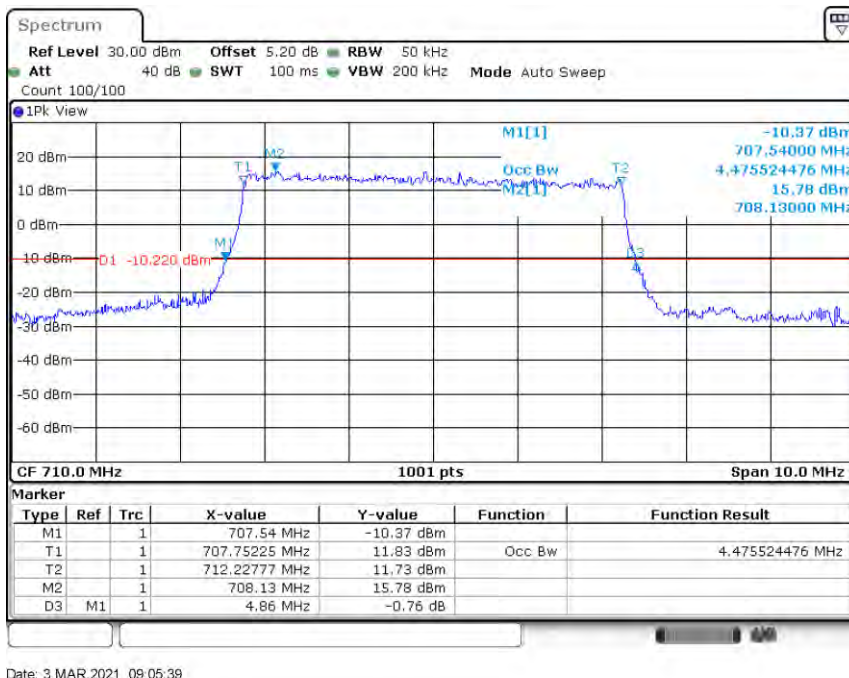


4.2. Test Plots

Band17-5MHz-QPSK-23755-25RB#0-4.466



Band17-5MHz-QPSK-23790-25RB#0-4.476

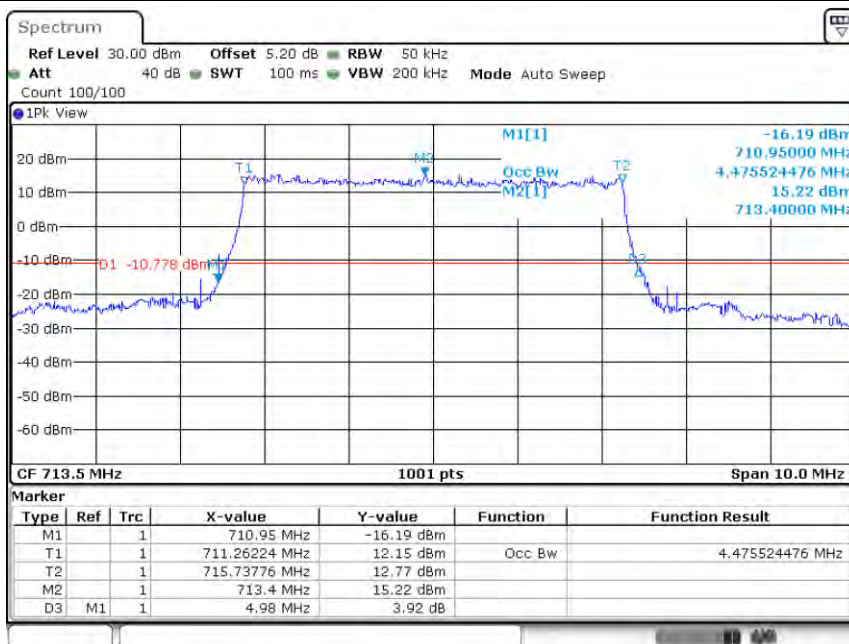


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

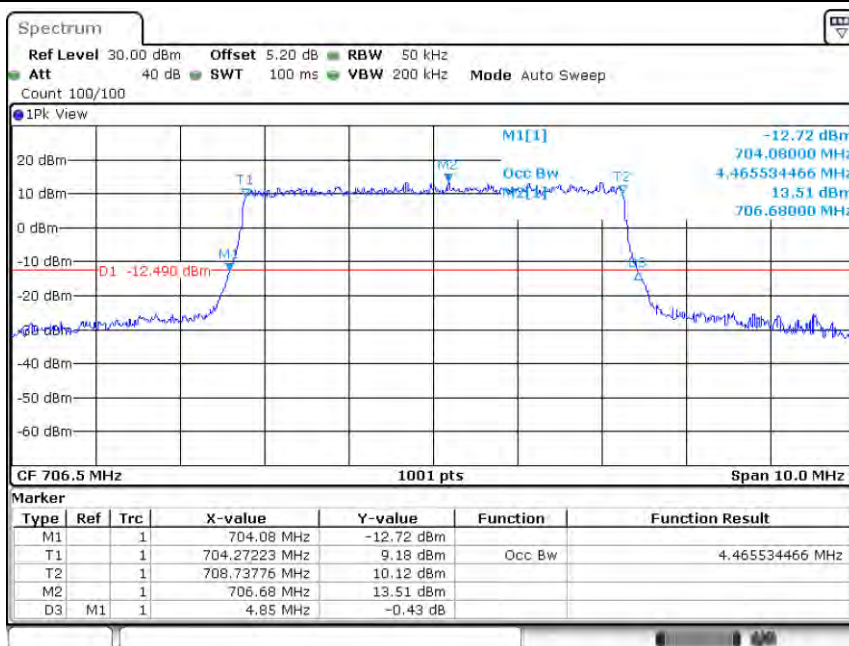


Band17-5MHz-QPSK-23825-25RB#0-4.476



Date: 3.MAR.2021 09:06:19

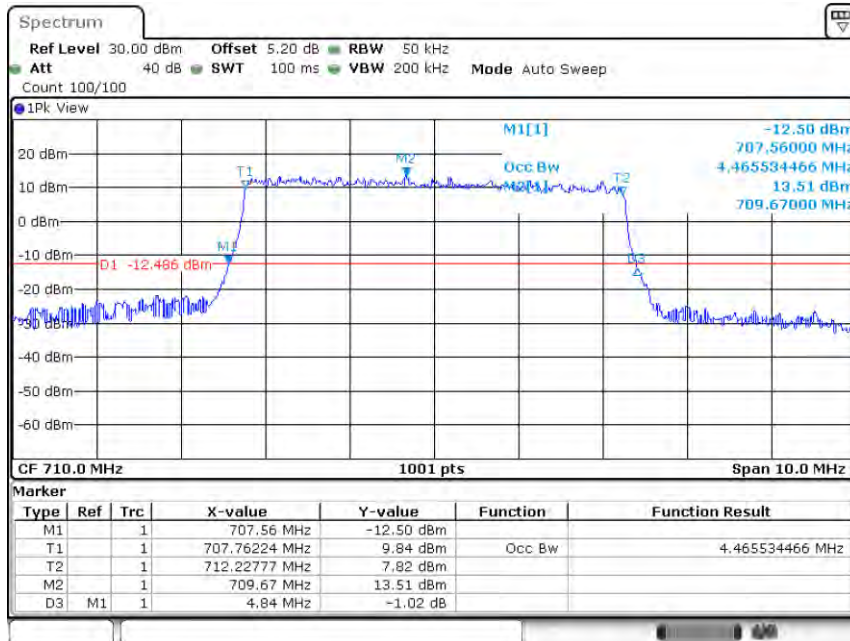
Band17-5MHz-64QAM-23755-25RB#0-4.466



Date: 3.MAR.2021 10:04:01

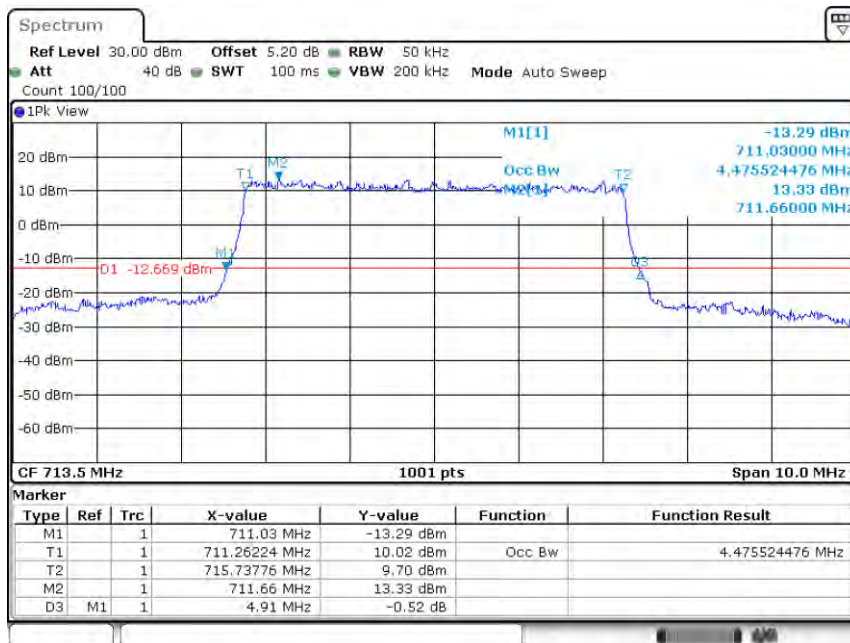


Band17-5MHz-64QAM-23790-25RB#0-4.466



Date: 3.MAR.2021 10:04:21

Band17-5MHz-64QAM-23825-25RB#0-4.476



Date: 3.MAR.2021 10:04:41

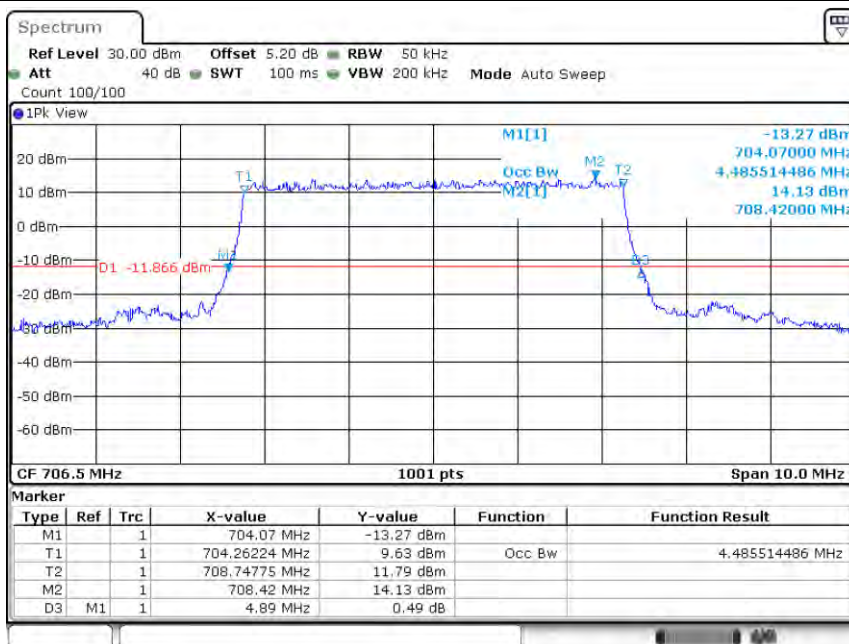


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

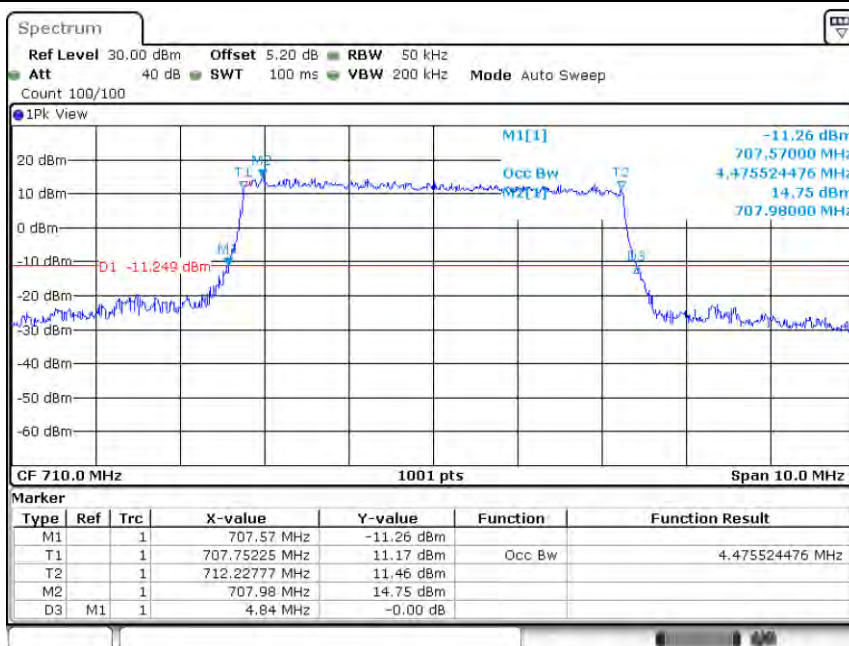


Band17-5MHz-16QAM-23755-25RB#0-4.486



Date: 3.MAR.2021 09:05:19

Band17-5MHz-16QAM-23790-25RB#0-4.476



Date: 3.MAR.2021 09:05:59

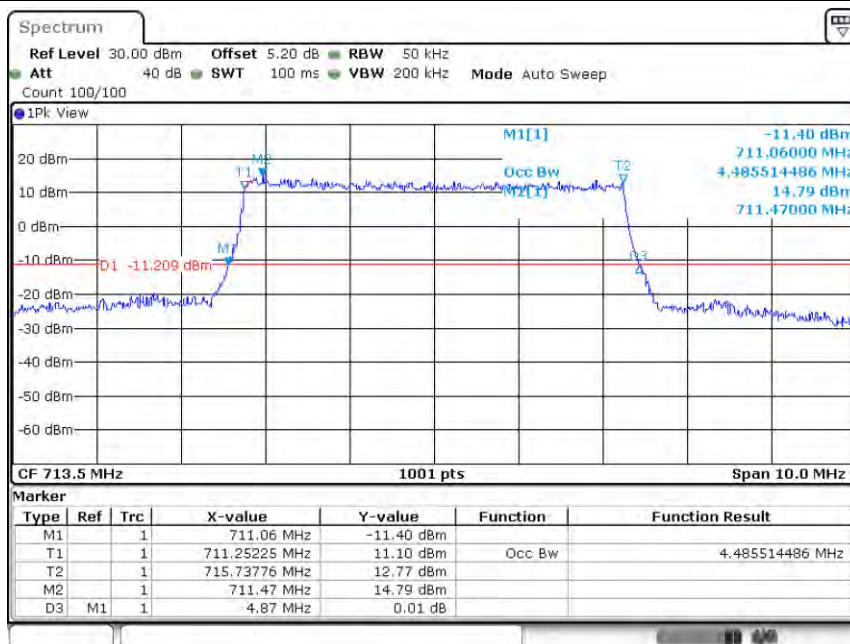


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

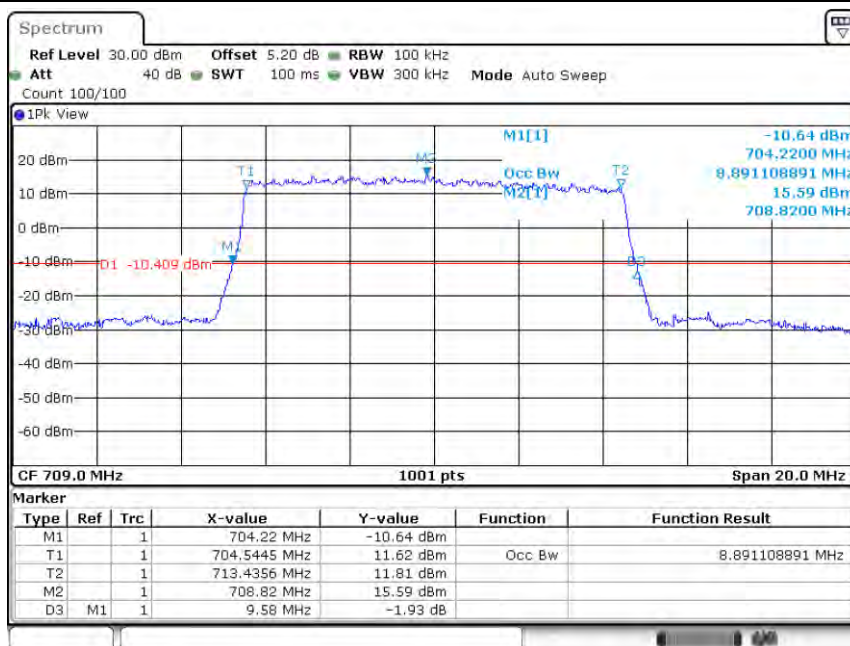


Band17-5MHz-16QAM-23825-25RB#0-4.486



Date: 3.MAR.2021 09:06:39

Band17-10MHz-QPSK-23780-50RB#0-8.891



Date: 3.MAR.2021 09:07:05

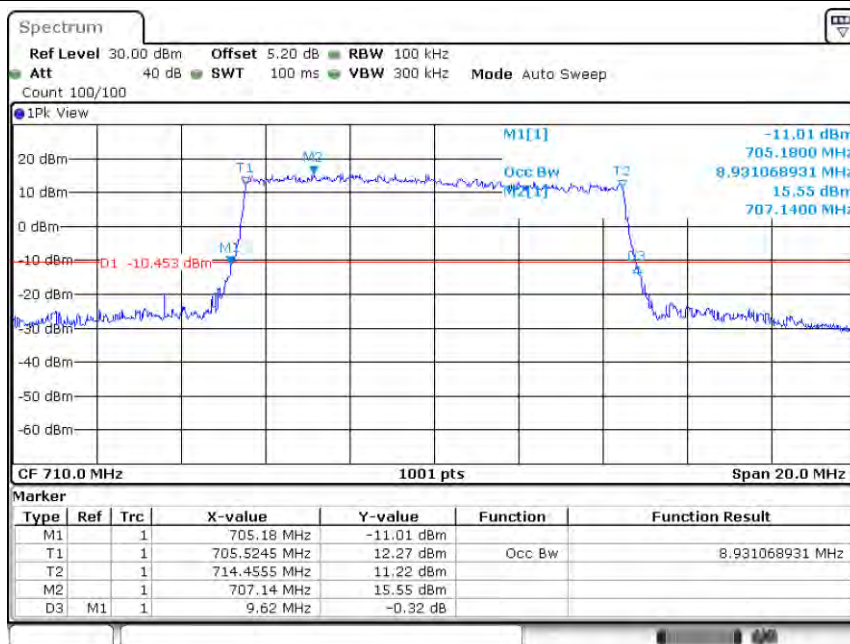


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

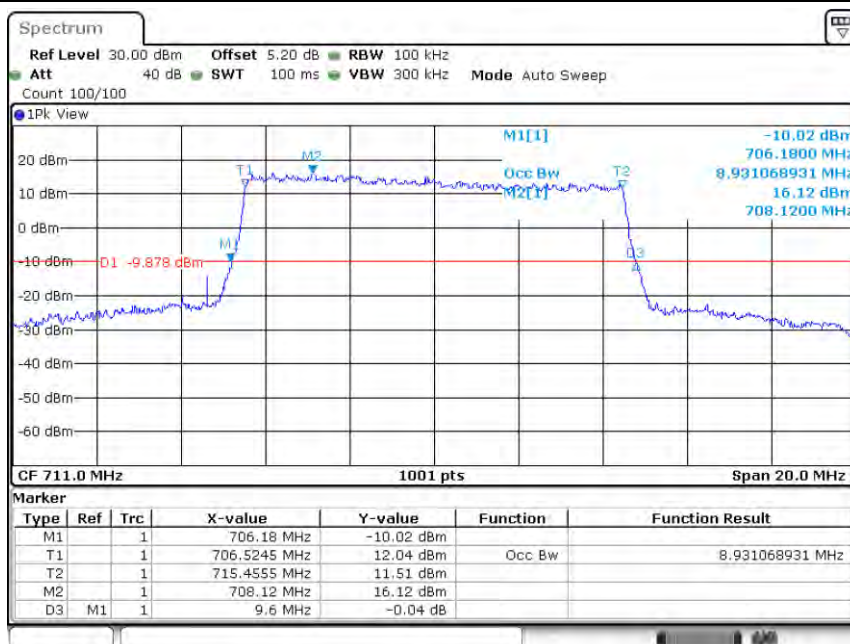


Band17-10MHz-QPSK-23790-50RB#0-8.931



Date: 3.MAR.2021 09:07:44

Band17-10MHz-QPSK-23800-50RB#0-8.931



Date: 3.MAR.2021 09:08:24

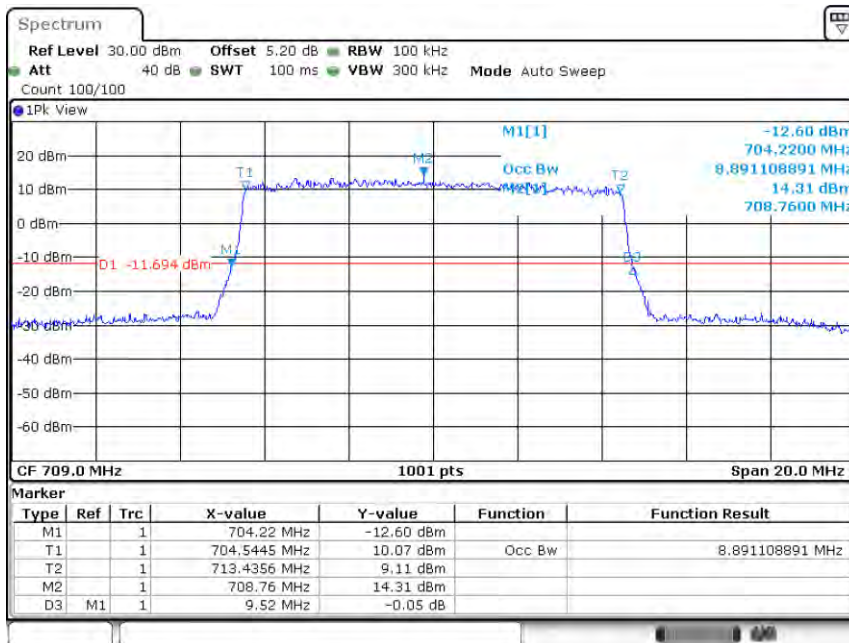


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

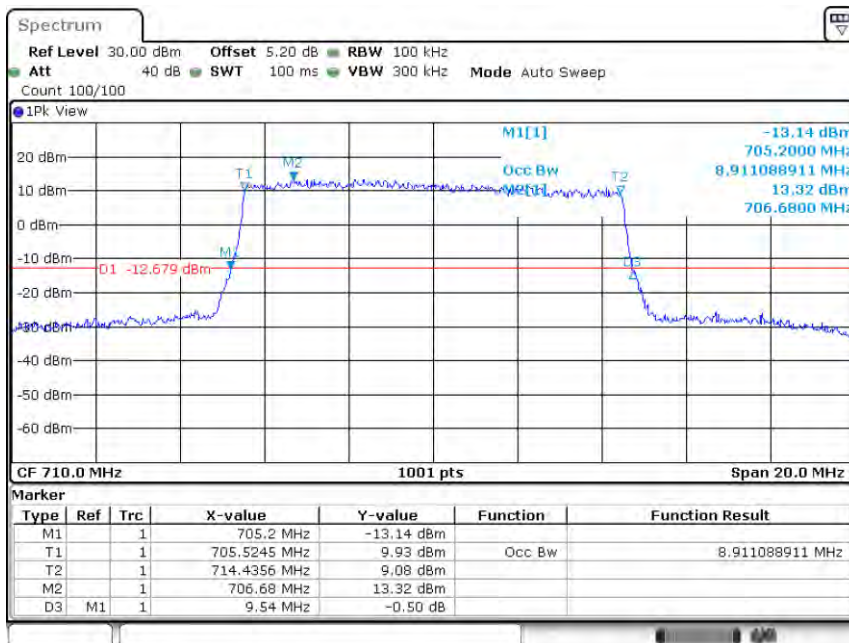


Band17-10MHz-64QAM-23780-50RB#0-8.891



Date: 3.MAR.2021 10:05:08

Band17-10MHz-64QAM-23790-50RB#0-8.911



Date: 3.MAR.2021 10:05:28

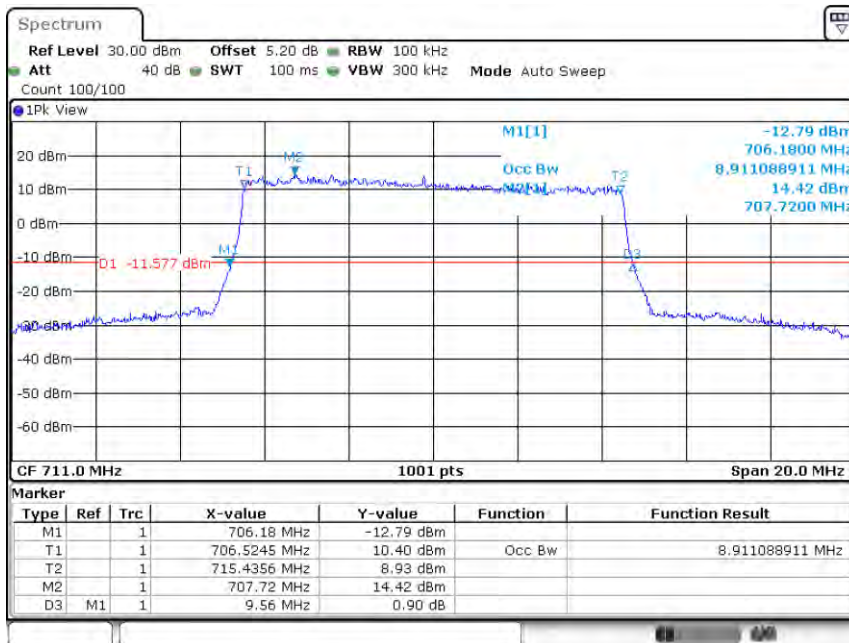


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

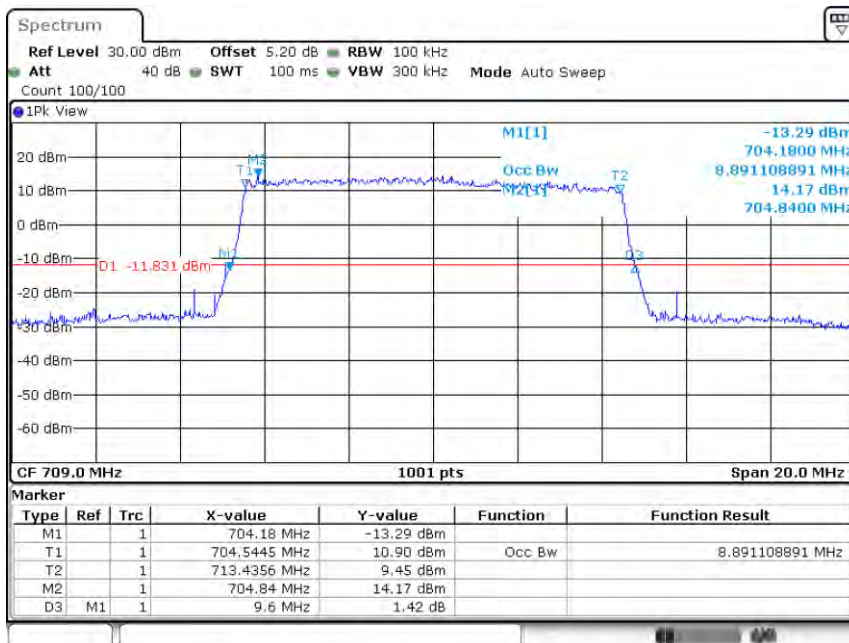


Band17-10MHz-64QAM-23800-50RB#0-8.911



Date: 3.MAR.2021 10:05:48

Band17-10MHz-16QAM-23780-50RB#0-8.891



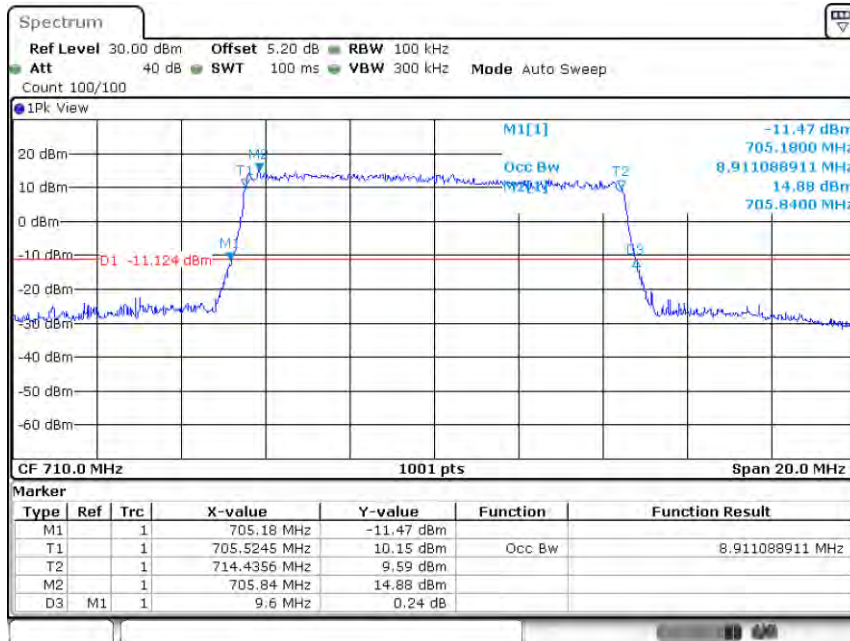
Date: 3.MAR.2021 09:07:24



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.

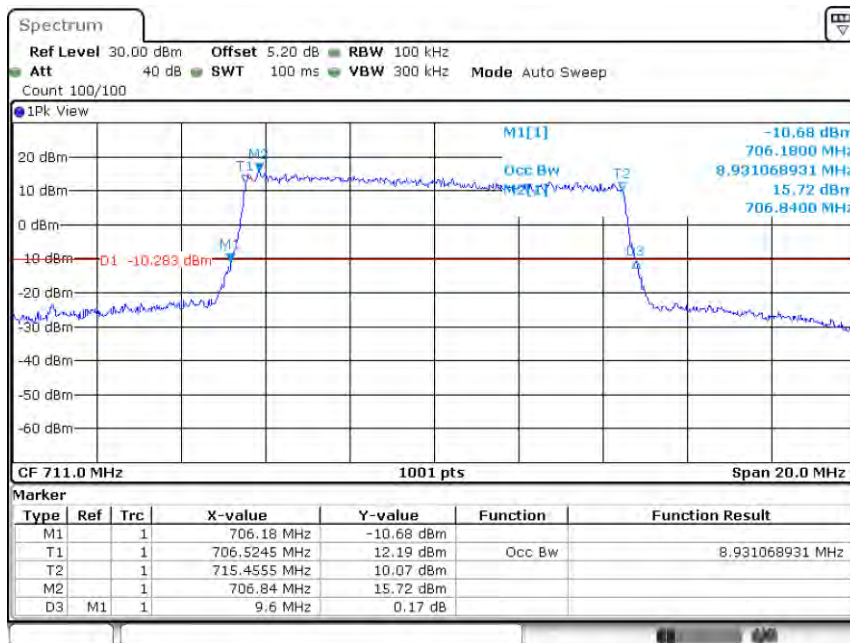
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band17-10MHz-16QAM-23790-50RB#0-8.911



Date: 3.MAR.2021 09:08:04

Band17-10MHz-16QAM-23800-50RB#0-8.931



Date: 3.MAR.2021 09:08:44



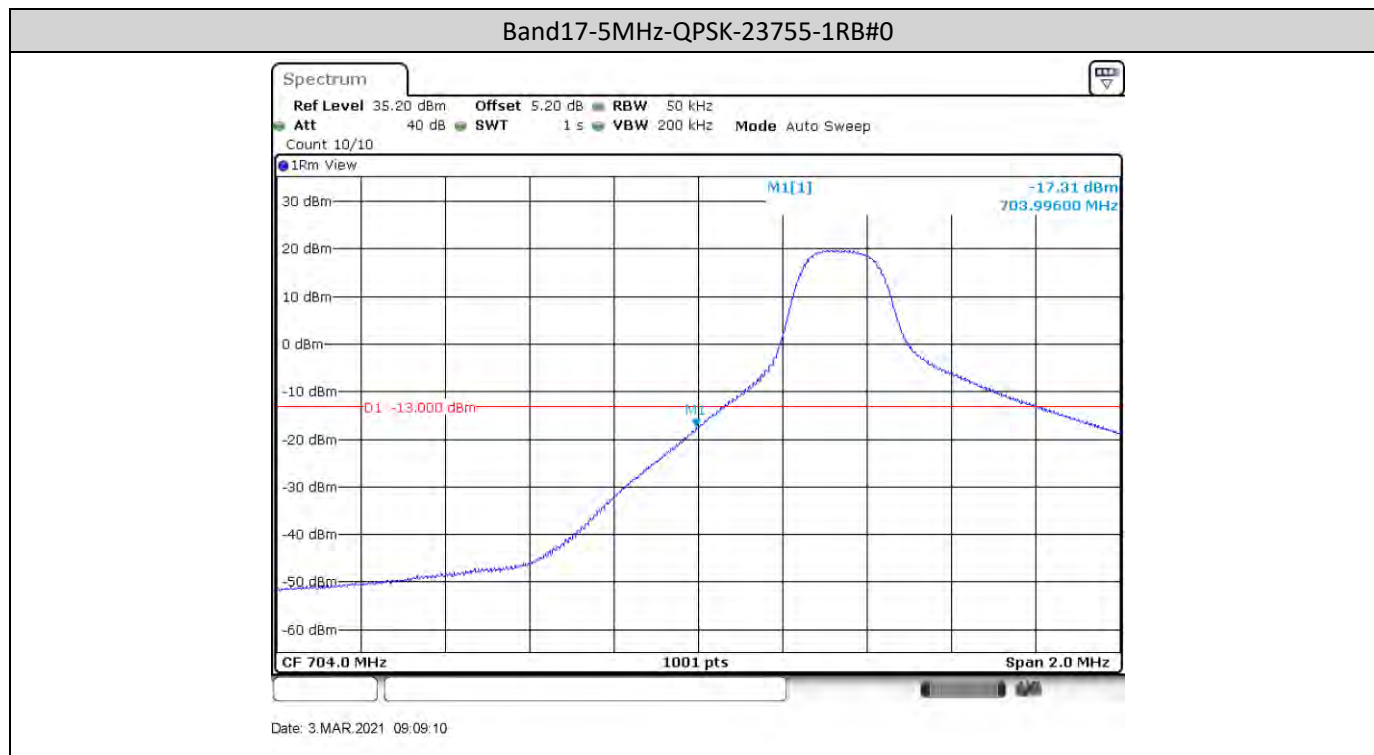
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



5. Band Edge Compliance

5.1. Test Plots



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

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



Band17-5MHz-QPSK-23755-25RB#0



Date: 3.MAR.2021 09:09:52

Band17-5MHz-QPSK-23825-1RB#24



Date: 3.MAR.2021 09:10:38



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

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

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



Band17-5MHz-QPSK-23825-25RB#0



Date: 3.MAR.2021 09:11:19

Band17-5MHz-64QAM-23755-1RB#0



Date: 3.MAR.2021 10:06:15



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

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

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



Band17-5MHz-64QAM-23755-25RB#0



Date: 3.MAR.2021 10:06:36

Band17-5MHz-64QAM-23825-1RB#24



Date: 3.MAR.2021 10:07:02

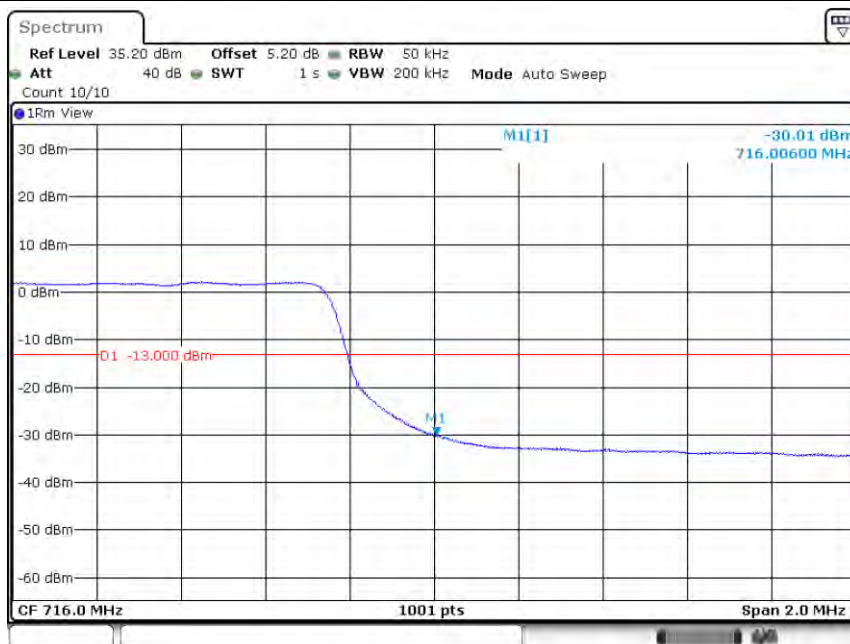


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band17-5MHz-64QAM-23825-25RB#0



Date: 3.MAR.2021 10:07:23

Band17-5MHz-16QAM-23755-1RB#0



Date: 3.MAR.2021 09:09:31



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



Band17-5MHz-16QAM-23755-25RB#0



Date: 3.MAR.2021 09:10:13

Band17-5MHz-16QAM-23825-1RB#24



Date: 3.MAR.2021 09:10:59



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

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

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



Band17-5MHz-16QAM-23825-25RB#0



Date: 3.MAR.2021 09:11:40

Band17-10MHz-QPSK-23780-1RB#0



Date: 3.MAR.2021 09:12:06



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



Band17-10MHz-QPSK-23780-50RB#0



Date: 3.MAR.2021 09:12:48

Band17-10MHz-QPSK-23800-1RB#49



Date: 3.MAR.2021 09:13:34



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



Band17-10MHz-QPSK-23800-50RB#0



Date: 3.MAR.2021 09:14:15

Band17-10MHz-64QAM-23780-1RB#0



Date: 3.MAR.2021 10:07:50



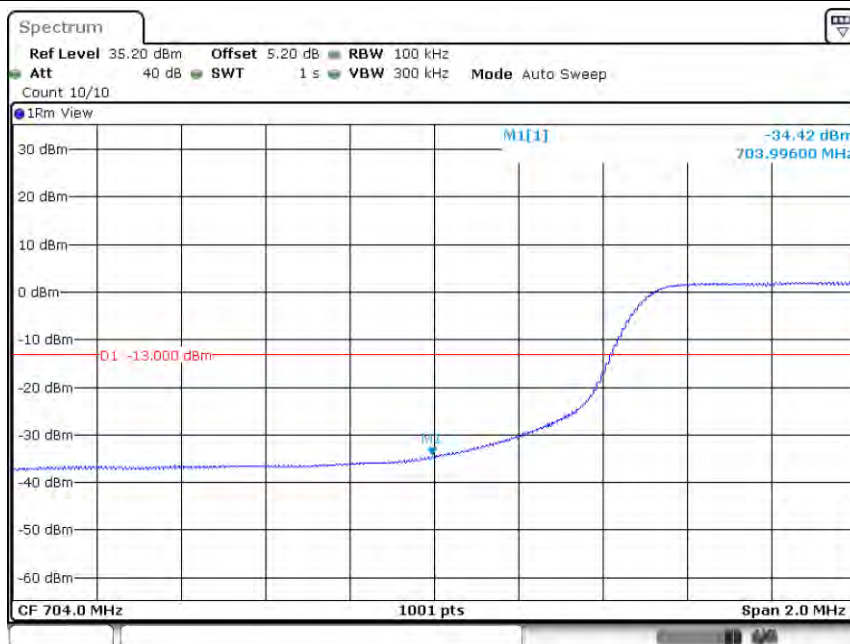
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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

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



Band17-10MHz-64QAM-23780-50RB#0



Date: 3.MAR.2021 10:08:11

Band17-10MHz-64QAM-23800-1RB#49



Date: 3.MAR.2021 10:08:37



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 (SGS-CSTC Laboratory)

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



Band17-10MHz-64QAM-23800-50RB#0



Date: 3.MAR.2021 10:08:57

Band17-10MHz-16QAM-23780-1RB#0



Date: 3.MAR.2021 09:12:27



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



Band17-10MHz-16QAM-23780-50RB#0



Date: 3.MAR.2021 09:13:09

Band17-10MHz-16QAM-23800-1RB#49



Date: 3.MAR.2021 09:13:54



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



Band17-10MHz-16QAM-23800-50RB#0



Date: 3.MAR.2021 09:14:35



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

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

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

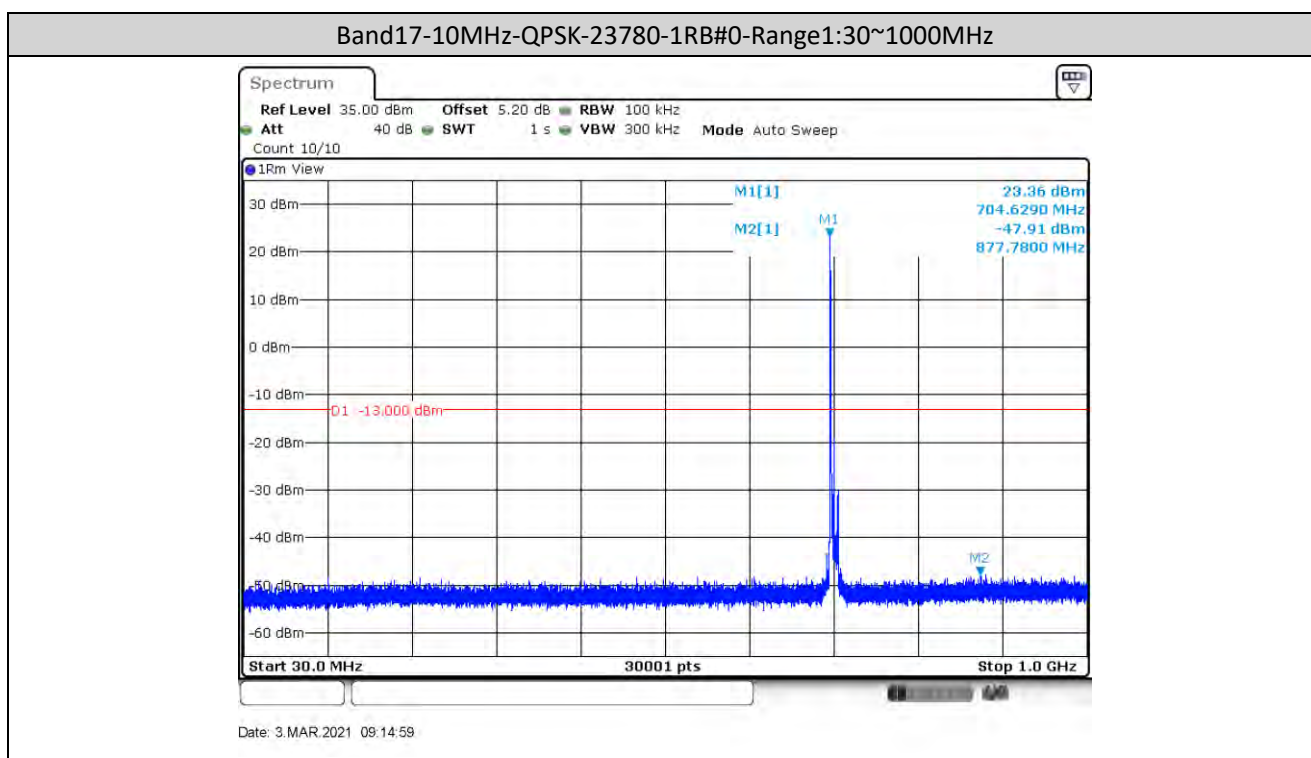
6. Spurious Emission at Antenna Terminal

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 = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

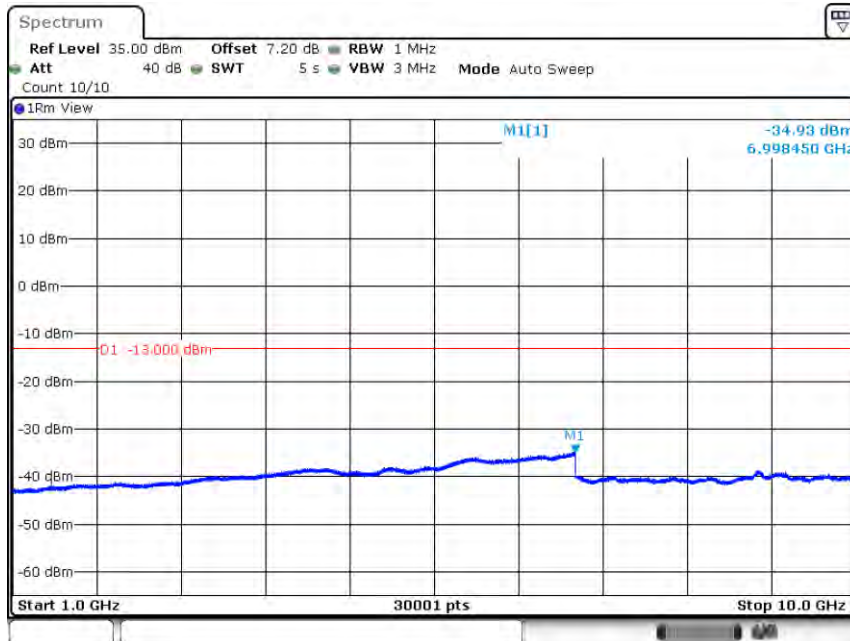
Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: 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 had been displayed.

6.1. Test Plots

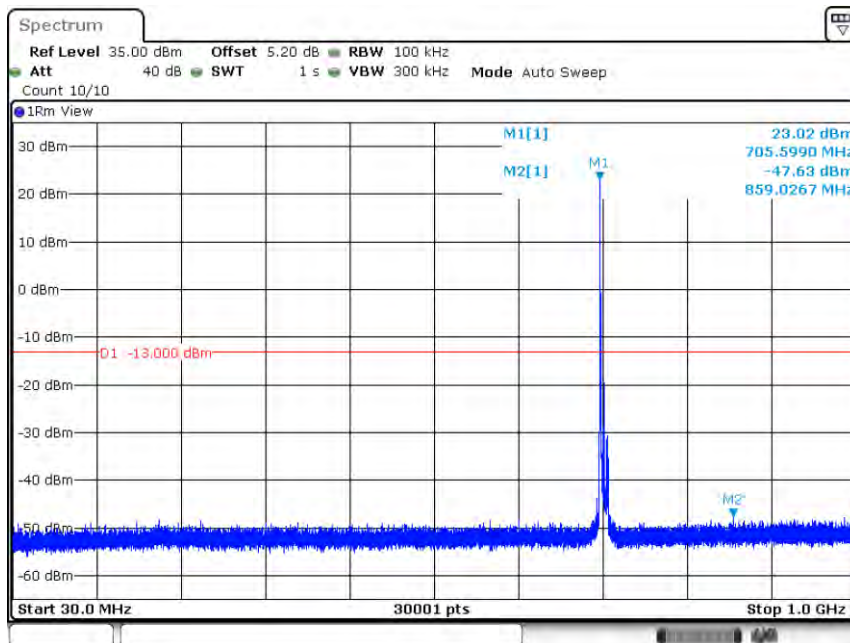


Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:16:07

Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 09:17:54



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.

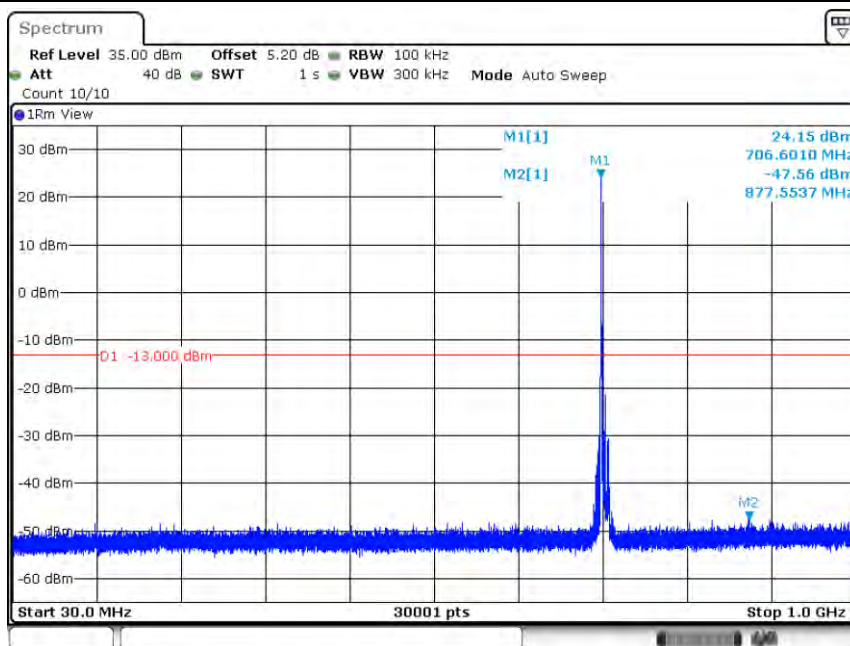
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:19:02

Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 09:20:49



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.

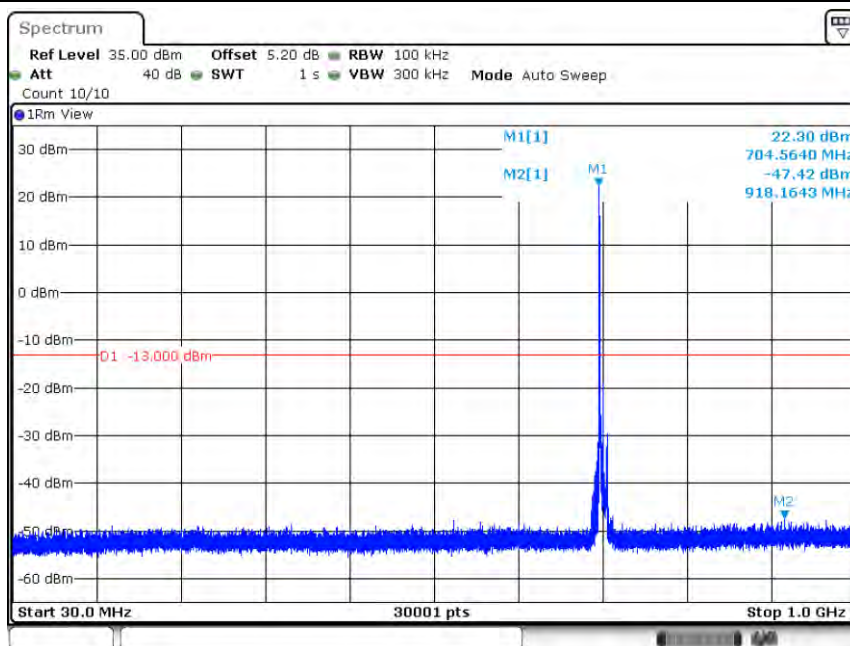
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:21:56

Band17-10MHz-64QAM-23780-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 10:09:22



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

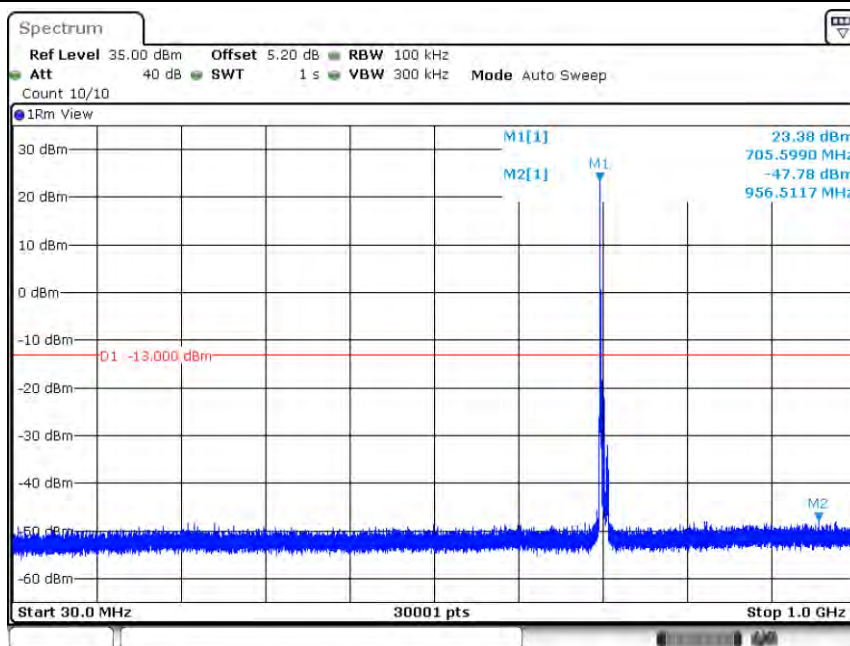
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band17-10MHz-64QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 10:10:30

Band17-10MHz-64QAM-23790-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 10:10:50

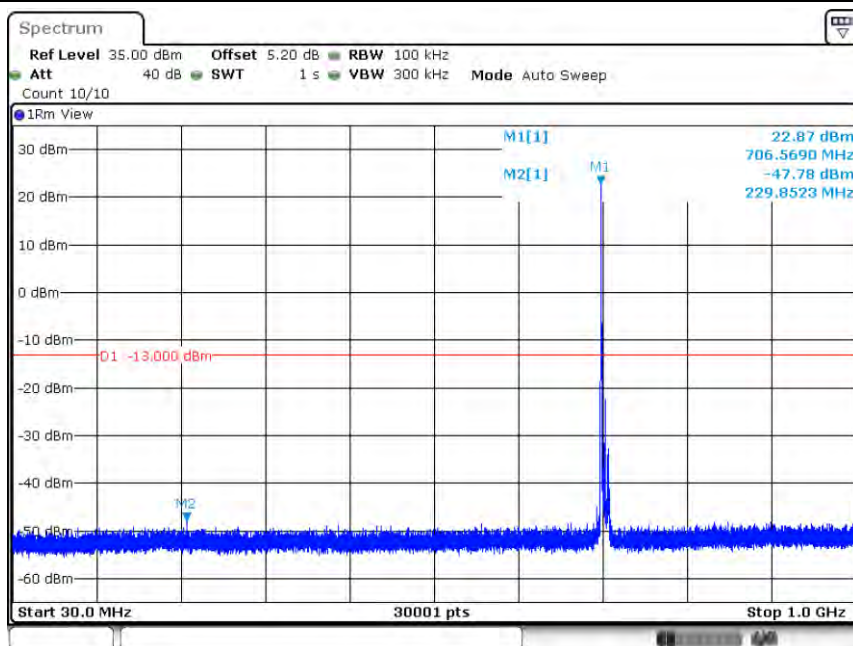


Band17-10MHz-64QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 10:11:57

Band17-10MHz-64QAM-23800-1RB#0-Range1:30~1000MHz



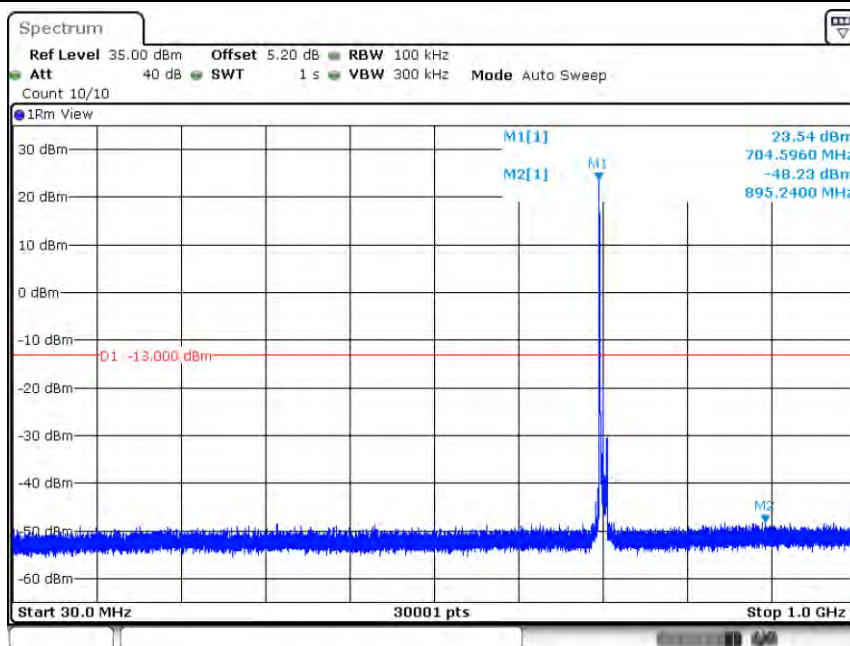
Date: 3.MAR.2021 10:12:17



Band17-10MHz-64QAM-23800-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23780-1RB#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

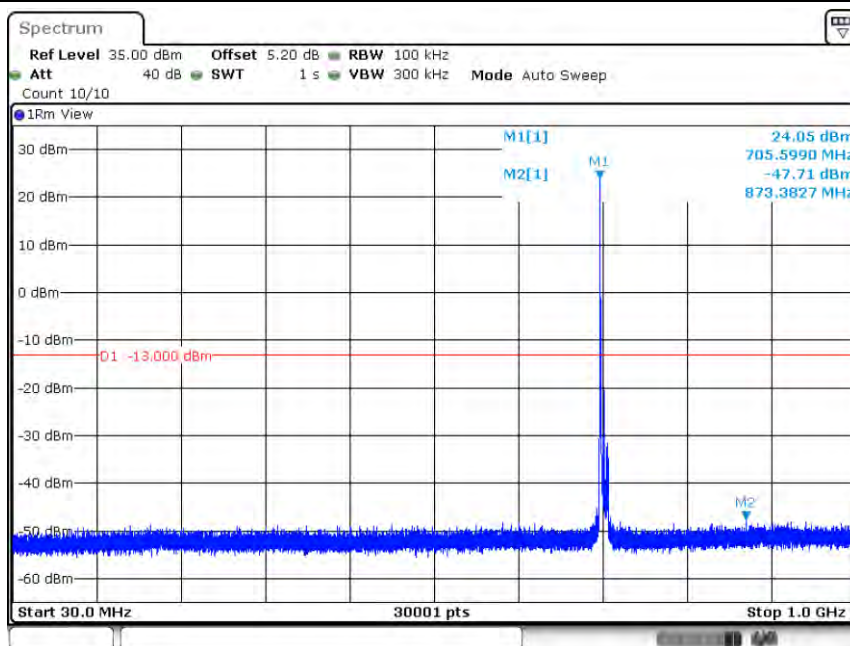
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:17:34

Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 09:19:21



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

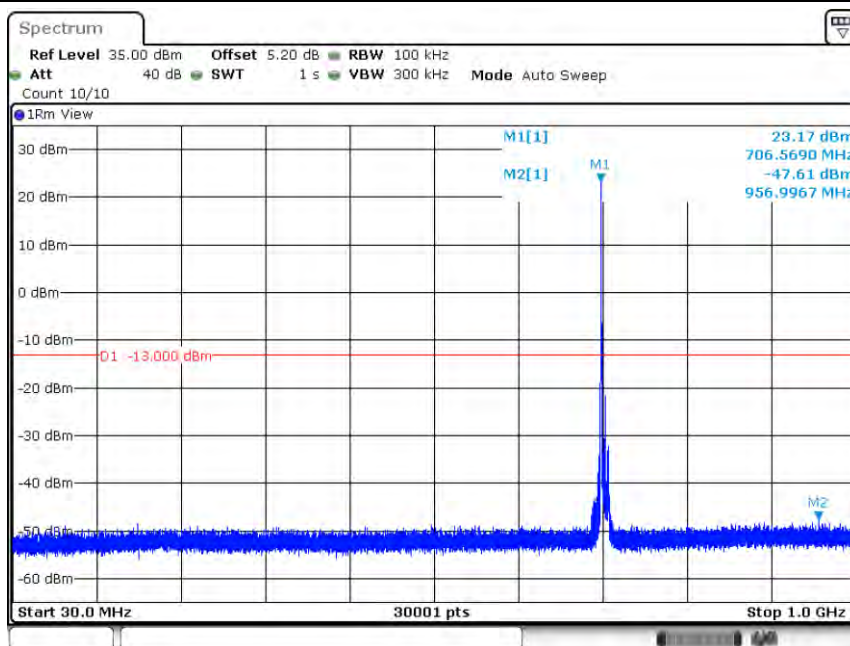
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:20:29

Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



Date: 3.MAR.2021 09:22:16



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

Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



Date: 3.MAR.2021 09:23:23



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. Frequency Stability

7.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-2.20	-0.003103	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-1.30	-0.001834	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	4.30	0.006065	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-3.80	-0.005352	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	1.00	0.001406	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-0.20	-0.000281	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VL	NT	-1.20	-0.001693	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VN	NT	-2.50	-0.003526	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VH	NT	0.90	0.001269	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VL	NT	-1.70	-0.002394	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VN	NT	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VH	NT	-1.60	-0.002254	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VL	NT	-1.90	-0.002672	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VN	NT	2.20	0.003094	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VH	NT	-1.60	-0.002250	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-6.00	-0.008463	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	3.50	0.004937	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	2.30	0.003244	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-1.50	-0.002113	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-5.60	-0.007887	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-0.50	-0.000704	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	1.50	0.002110	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-4.80	-0.006751	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-0.90	-0.001266	±2.5	PASS



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

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



7.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	4.60	0.006488	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-3.70	-0.005219	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-5.00	-0.007052	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-2.30	-0.003244	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-2.40	-0.003385	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	2.80	0.003949	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	0.90	0.001269	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-1.50	-0.002116	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	3.10	0.004372	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-0.10	-0.000141	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	0.20	0.000282	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-6.60	-0.009296	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-3.20	-0.004507	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-2.90	-0.004085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	1.60	0.002254	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-2.00	-0.002817	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	2.40	0.003380	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-2.20	-0.003099	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	4.60	0.006470	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	3.20	0.004501	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	3.50	0.004923	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	3.00	0.004219	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-1.40	-0.001969	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-1.70	-0.002391	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	1.90	0.002672	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	3.10	0.004360	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-0.10	-0.000141	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-30	-5.80	-0.008181	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-20	2.30	0.003244	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-10	1.50	0.002116	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	0	-2.80	-0.003949	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	10	-1.40	-0.001975	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	20	-0.40	-0.000564	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	30	2.50	0.003526	±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



Band17	10MHz	64QAM	23780	50RB#0	NV	40	1.40	0.001975	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	50	-3.30	-0.004654	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-30	-3.90	-0.005493	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-20	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-10	2.50	0.003521	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	0	1.00	0.001408	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	10	-1.00	-0.001408	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	20	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	30	-4.10	-0.005775	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	40	-7.50	-0.010563	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	50	-1.50	-0.002113	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-30	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-20	-5.80	-0.008158	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-10	3.00	0.004219	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	0	-2.10	-0.002954	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	10	-5.90	-0.008298	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	20	2.50	0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	30	0.10	0.000141	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	40	2.90	0.004079	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	50	2.20	0.003094	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-1.60	-0.002257	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	1.80	0.002539	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-3.10	-0.004372	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	1.70	0.002398	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	1.30	0.001834	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	0.80	0.001128	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	2.30	0.003244	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-4.90	-0.006911	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-4.20	-0.005924	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-5.70	-0.008028	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-5.00	-0.007042	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-2.30	-0.003239	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.00	-0.004225	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-3.20	-0.004507	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-3.50	-0.004930	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-8.10	-0.011408	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	0.70	0.000986	±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.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



Band17	10MHz	16QAM	23800	50RB#0	NV	-30	2.80	0.003938	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	0.20	0.000281	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-0.40	-0.000563	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-2.20	-0.003094	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-1.00	-0.001406	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-2.10	-0.002954	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	0.10	0.000141	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	0.20	0.000281	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	2.60	0.003657	±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