1 of 53 Page:

Appendix B

E-UTRA Band 12



Page: 2 of 53

CONTENT

1.	EFF	FECTIVE (ISOTROPIC) RADIATED POWER	3
	1.1.	TEST RESULT	3
2.	PE/	AK-TO-AVERAGE RATIO(CCDF)	8
	2.1.	TEST RESULT	8
	2.2.	TEST PLOTS	8
3.	MC	ODULATION CHARACTERISTICS	12
	3.1.	TEST BAND = LTE BAND 12	12
	3.2.	TEST MODE = LTE /TM1 10MHz	12
	3.2.1.	TEST CHANNEL = MCH	12
	3.3.	TEST MODE = LTE /TM2 10MHz	13
	3.3.1.	TEST CHANNEL = MCH	13
4.	260	DB BANDWIDTH AND OCCUPIED BANDWIDTH	14
	4.1.	TEST RESULT	14
	4.2.	TEST PLOTS	15
5.	BA	ND EDGE COMPLIANCE	27
	5.1.	TEST PLOTS	27
6.	SPL	URIOUS EMISSION AT ANTENNA TERMINAL	43
	6.1.	TEST PLOTS	43
7.	FIE	ELD STRENGTH OF SPURIOUS RADIATION	49
	7.1.	TEST BAND = LTE BAND 12	49
	7.1.1.	TEST MODE =LTE/TM1	49
	7.1.1.1	1. TEST CHANNEL = LCH	49
	7.1.1.2	2. TEST CHANNEL = MCH	49
	7.1.1.3	3. TEST CHANNEL = HCH	50
8.	FRE	EQUENCY STABILITY	51
	8.1.	Frequency Vs Voltage	51
	8.2.	Frequency Vs Temperature	51



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 issue 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, **Certificate**.

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 tt (86-755) 26012053 ft (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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com

Page: 3 of 53

1. Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.69	18.54	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.84	18.69	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.70	18.55	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.78	18.63	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.83	18.68	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.81	18.66	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.77	17.62	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.67	18.52	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.78	18.63	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.69	18.54	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.78	18.63	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.83	18.68	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.80	18.65	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.78	17.63	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.63	18.48	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.75	18.60	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.66	18.51	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.74	18.59	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.79	18.64	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.75	18.60	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.74	17.59	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.07	17.92	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.22	18.07	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.04	17.89	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.96	17.81	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.00	17.85	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.87	17.72	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.94	16.79	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.97	17.82	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.08	17.93	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.96	17.81	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.95	17.80	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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, **Certificate**.

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



Report No.: ZR/2019/6003801

4 of 53 Page:

		T	T	T		ı	ı	
Band12	1.4MHz	16QAM	23095	3RB#1	22.97	17.82	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.99	17.84	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.93	16.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.88	17.73	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.06	17.91	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.91	17.76	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.91	17.76	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.91	17.76	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.90	17.75	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.85	16.70	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.75	18.60	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.77	18.62	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.76	18.61	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.74	17.59	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.81	17.66	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.76	17.61	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.75	17.60	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.70	18.55	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.71	18.56	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.71	18.56	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.73	17.58	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.82	17.67	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.75	17.60	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.71	17.56	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.67	18.52	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.66	18.51	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.68	18.53	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.71	17.56	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.72	17.57	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.69	17.54	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.65	17.50	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.06	17.91	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.12	17.97	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.08	17.93	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.87	16.72	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.93	16.78	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.88	16.73	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.80	16.65	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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 document does not exonerate parties to a transaction prome exercising all their rights and obligations under the transaction document. 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, **Contact University** in the content of the conte

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



Report No.: ZR/2019/6003801

Page: 5 of 53

Band12 3MHz 16QAM 23095 1RB#0 22.98 17.83 34.77 PASS Band12 3MHz 16QAM 23095 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23095 8RB#0 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 8RB#7 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 8RB#7 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS
Band12 3MHz 16QAM 23095 1RB#14 23.07 17.92 34.77 PASS Band12 3MHz 16QAM 23095 8RB#0 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 8RB#4 21.89 16.74 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS
Band12 3MHz 16QAM 23095 8RB#0 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 8RB#4 21.89 16.74 34.77 PASS Band12 3MHz 16QAM 23095 8RB#7 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.69 34.77 PASS
Band12 3MHz 16QAM 23095 8RB#4 21.89 16.74 34.77 PASS Band12 3MHz 16QAM 23095 8RB#7 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS
Band12 3MHz 16QAM 23095 8RB#7 21.86 16.71 34.77 PASS Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS
Band12 3MHz 16QAM 23095 15RB#0 21.79 16.64 34.77 PASS Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS
Band12 3MHz 16QAM 23165 1RB#0 22.90 17.75 34.77 PASS Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.69 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS <
Band12 3MHz 16QAM 23165 1RB#8 23.04 17.89 34.77 PASS Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS <
Band12 3MHz 16QAM 23165 1RB#14 23.03 17.88 34.77 PASS Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS <t< td=""></t<>
Band12 3MHz 16QAM 23165 8RB#0 21.85 16.70 34.77 PASS Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS <
Band12 3MHz 16QAM 23165 8RB#4 21.84 16.69 34.77 PASS Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS <
Band12 3MHz 16QAM 23165 8RB#7 21.81 16.66 34.77 PASS Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.71 17.56 34.77 PASS <
Band12 3MHz 16QAM 23165 15RB#0 21.70 16.55 34.77 PASS Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS <t< td=""></t<>
Band12 5MHz QPSK 23035 1RB#0 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS <td< td=""></td<>
Band12 5MHz QPSK 23035 1RB#12 23.92 18.77 34.77 PASS Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS <t< td=""></t<>
Band12 5MHz QPSK 23035 1RB#24 23.62 18.47 34.77 PASS Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS <t< td=""></t<>
Band12 5MHz QPSK 23035 12RB#0 22.77 17.62 34.77 PASS Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS <t< td=""></t<>
Band12 5MHz QPSK 23035 12RB#6 22.81 17.66 34.77 PASS Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23035 12RB#13 22.72 17.57 34.77 PASS Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23035 25RB#0 22.71 17.56 34.77 PASS Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 1RB#0 23.63 18.48 34.77 PASS Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 1RB#12 23.90 18.75 34.77 PASS Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 1RB#24 23.57 18.42 34.77 PASS Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 12RB#0 22.73 17.58 34.77 PASS Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 12RB#6 22.83 17.68 34.77 PASS Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 12RB#13 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23095 25RB#0 22.74 17.59 34.77 PASS
Band12 5MHz QPSK 23155 1RB#0 23.58 18.43 34.77 PASS
Band12 5MHz QPSK 23155 1RB#12 23.83 18.68 34.77 PASS
Band12 5MHz QPSK 23155 1RB#24 23.56 18.41 34.77 PASS
Band12 5MHz QPSK 23155 12RB#0 22.76 17.61 34.77 PASS
Band12 5MHz QPSK 23155 12RB#6 22.76 17.61 34.77 PASS
Band12 5MHz QPSK 23155 12RB#13 22.59 17.44 34.77 PASS
Band12 5MHz QPSK 23155 25RB#0 22.66 17.51 34.77 PASS
Band12 5MHz 16QAM 23035 1RB#0 22.88 17.73 34.77 PASS
Band12 5MHz 16QAM 23035 1RB#12 23.21 18.06 34.77 PASS
Band12 5MHz 16QAM 23035 1RB#24 22.92 17.77 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-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, **Company** **Company*** **Co

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



Report No.: ZR/2019/6003801

6 of 53 Page:

				T				
Band12	5MHz	16QAM	23035	12RB#0	21.85	16.70	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.88	16.73	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.81	16.66	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.77	16.62	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.00	17.85	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.22	18.07	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.89	17.74	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.83	16.68	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.90	16.75	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.82	16.67	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.80	16.65	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.86	17.71	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.18	18.03	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.85	17.70	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.79	16.64	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.82	16.67	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.67	16.52	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.73	16.58	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.75	18.60	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.83	18.68	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.70	18.55	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.85	17.70	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.79	17.64	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.80	17.65	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.85	17.70	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.74	18.59	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.79	18.64	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.66	18.51	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.81	17.66	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.76	17.61	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.79	17.64	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.82	17.67	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.71	18.56	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.78	18.63	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.63	18.48	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.73	17.58	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.72	17.57	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.62	17.47	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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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 document does not exonerate parties to a transaction prome exercising all their rights and obligations under the transaction document. 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, **Contact University** in the content of the conte

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



Report No.: ZR/2019/6003801

Page: 7 of 53

Band12	10MHz	QPSK	23130	50RB#0	22.65	17.50	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.97	17.82	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.17	18.02	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.04	17.89	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.90	16.75	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.86	16.71	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.86	16.71	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.88	16.73	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.10	17.95	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.18	18.03	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.03	17.88	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.85	16.70	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.80	16.65	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.83	16.68	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.87	16.72	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.00	17.85	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.02	17.87	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.94	17.79	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.77	16.62	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.77	16.62	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.65	16.50	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.72	16.57	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]



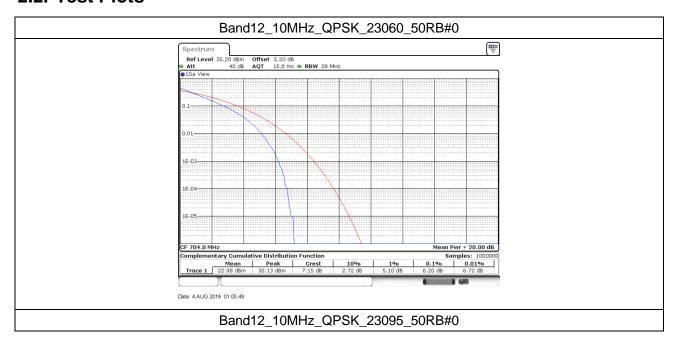
Page: 8 of 53

2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band1 2	10MHz	QPSK	23060	50RB#0	6.20	13	PASS
Band1	10MHz	QPSK	23095	50RB#0	6.09	13	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	6.06	13	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	6.70	13	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	6.75	13	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	6.70	13	PASS

2.2. Test Plots



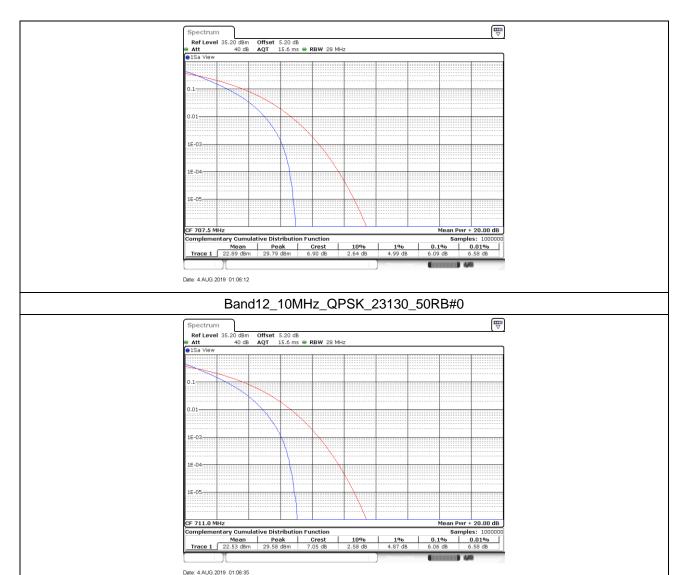


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at telephone: (86-755) 8307 1443, **Certificate**, please contact us at teleph

Report No.: ZR/2019/6003801

Page: 9 of 53

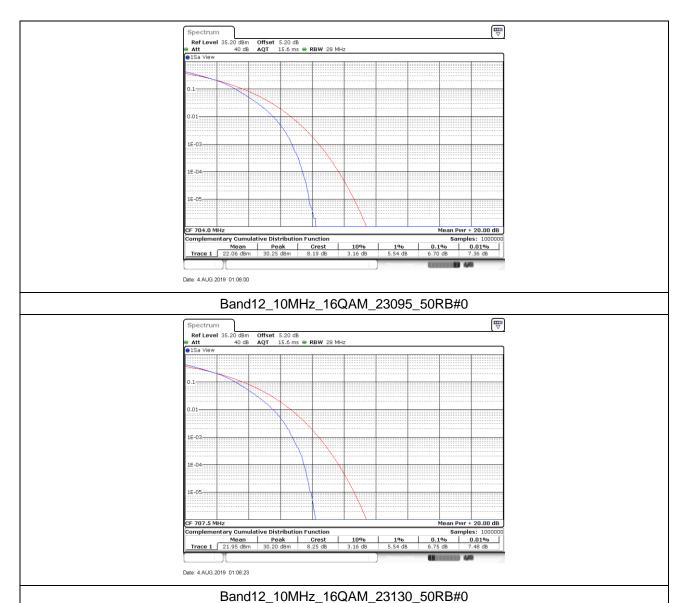


Band12_10MHz_16QAM_23060_50RB#0



Report No.: ZR/2019/6003801

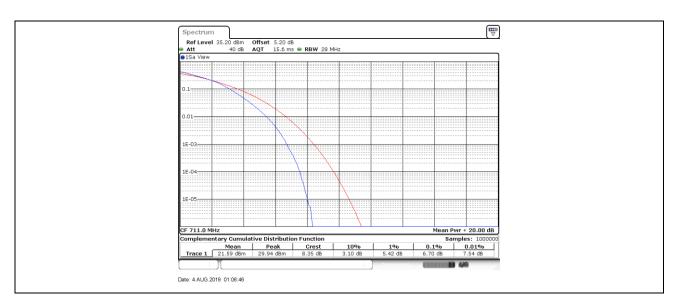
Page: 10 of 53





Report No.: ZR/2019/6003801

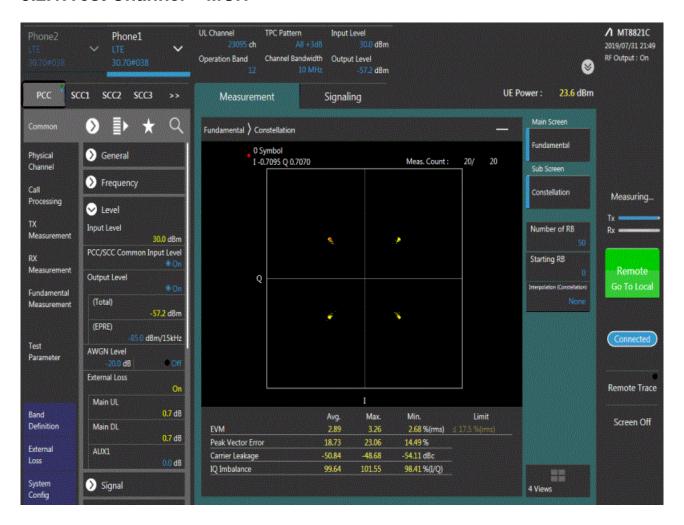
Page: 11 of 53



Page: 12 of 53

3. Modulation Characteristics

- 3.1. Test Band = LTE Band 12
- 3.2. Test Mode = LTE /TM1 10MHz
- 3.2.1.Test Channel = MCH

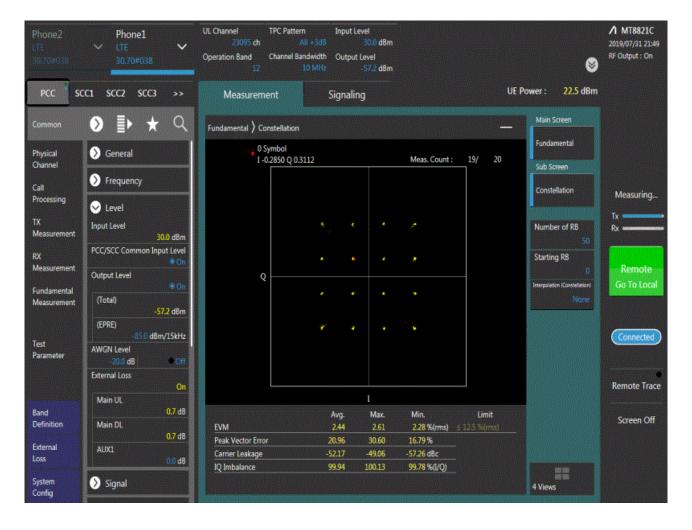




Page: 13 of 53

3.3. Test Mode = LTE /TM2 10MHz

3.3.1.Test Channel = MCH





Page: 14 of 53

4. 26dB Bandwidth and Occupied Bandwidth

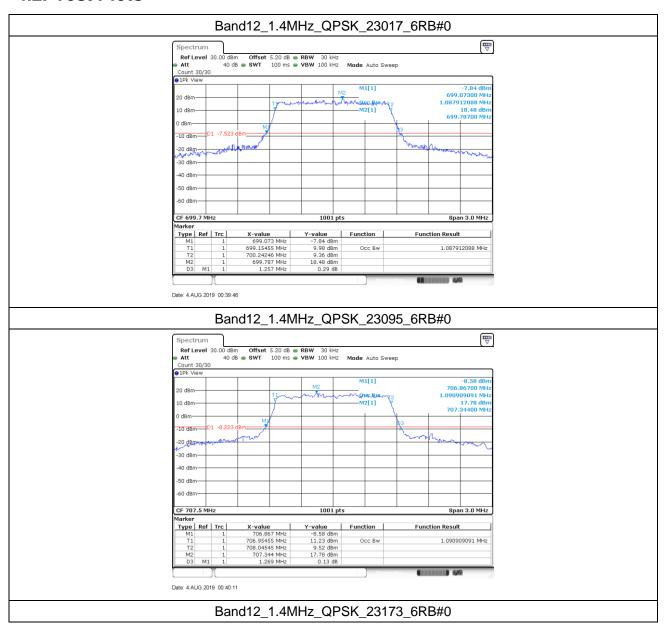
4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.088	1.257	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.269	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.094	1.302	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.091	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.094	1.299	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.287	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.685	2.916	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.685	2.916	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.697	2.916	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.673	2.898	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.679	2.910	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.679	2.916	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	5.030	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.486	5.050	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.486	5.040	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	5.080	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	5.080	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.496	5.110	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.971	9.920	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.951	9.880	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.911	9.800	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.951	9.860	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.951	9.860	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.911	9.820	PASS



Page: 15 of 53

4.2. 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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.

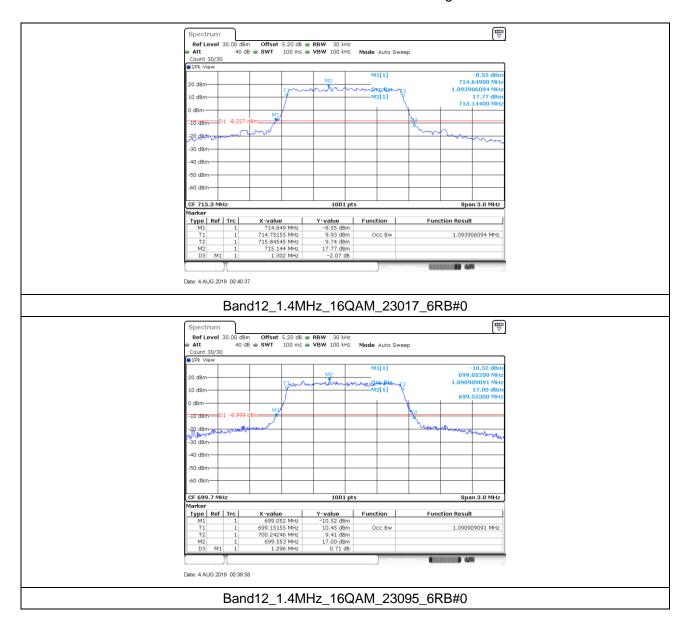
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Certificate**.

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

Report No.: ZR/2019/6003801

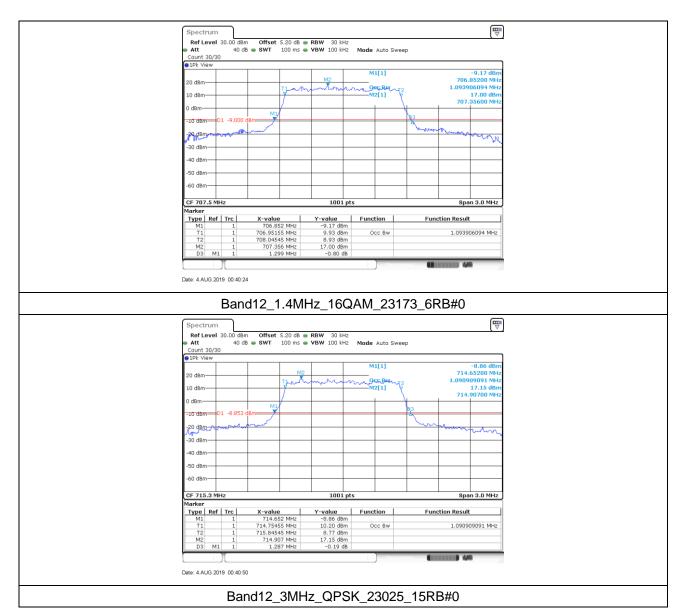
Page: 16 of 53





Report No.: ZR/2019/6003801

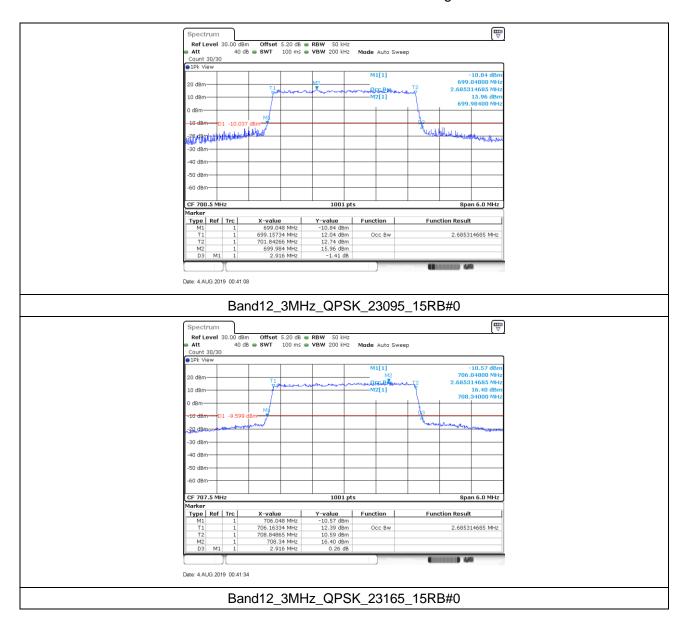
Page: 17 of 53





Report No.: ZR/2019/6003801

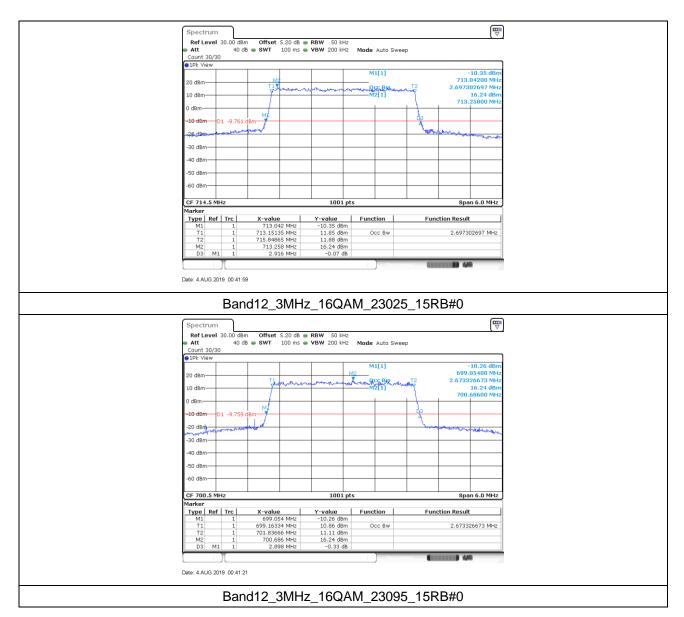
Page: 18 of 53





Report No.: ZR/2019/6003801

Page: 19 of 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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.

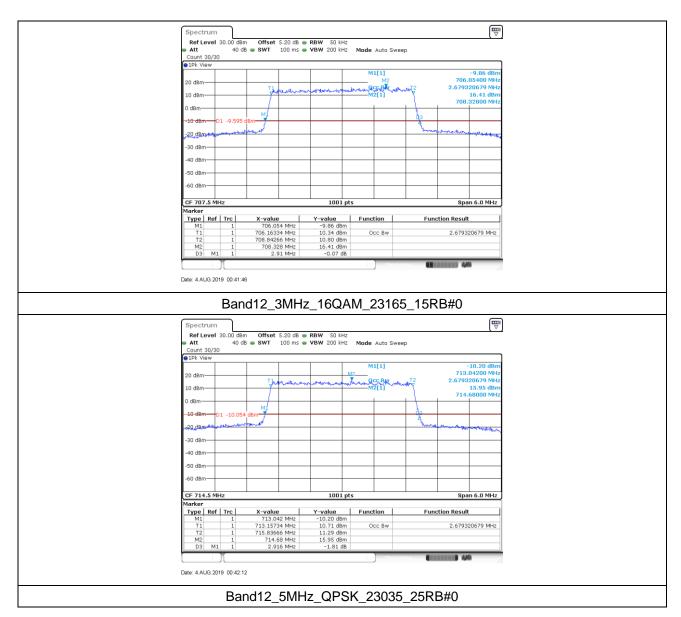
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Certificate**.

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

Report No.: ZR/2019/6003801

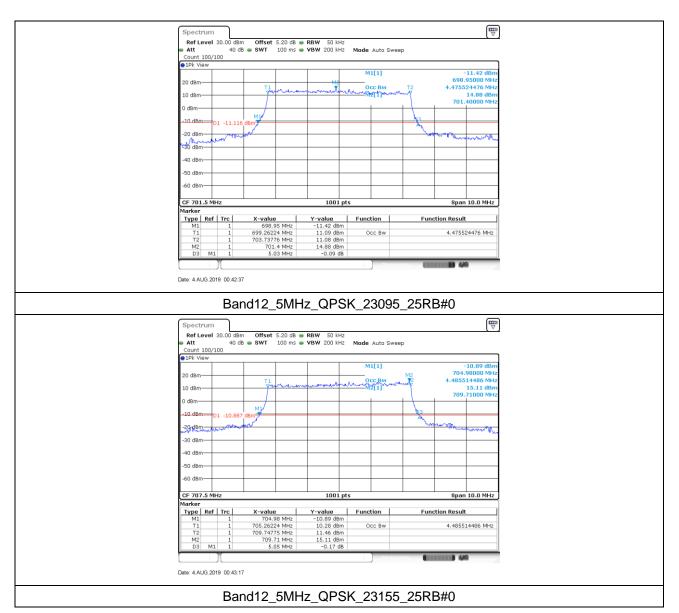
Page: 20 of 53





Report No.: ZR/2019/6003801

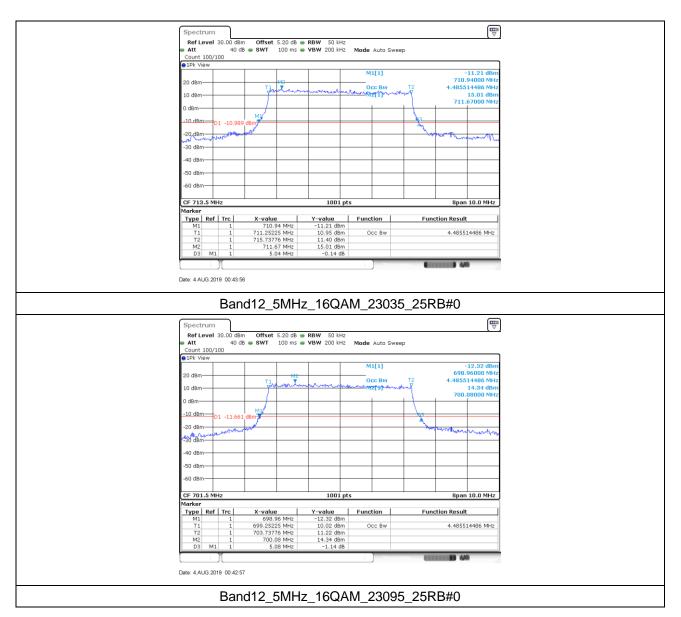
Page: 21 of 53





Report No.: ZR/2019/6003801

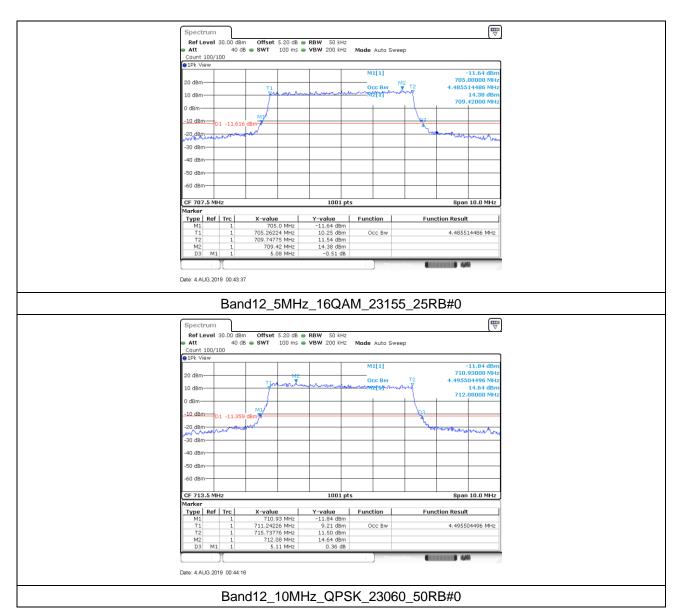
Page: 22 of 53





Report No.: ZR/2019/6003801

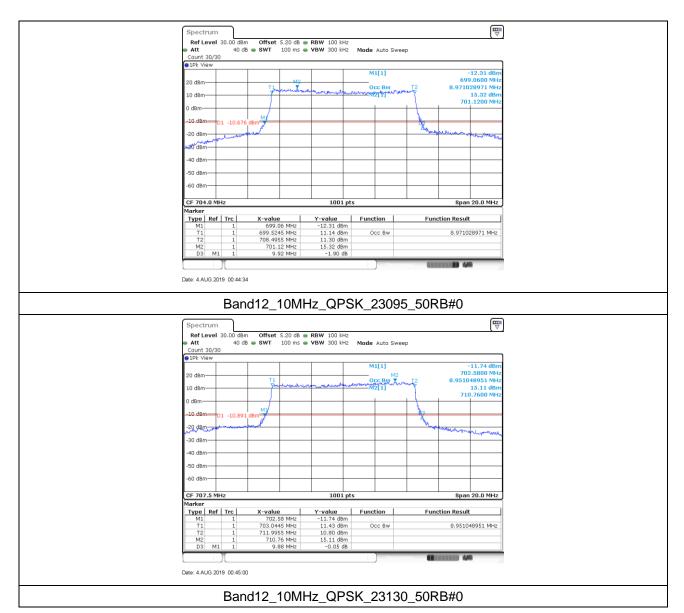
Page: 23 of 53





Report No.: ZR/2019/6003801

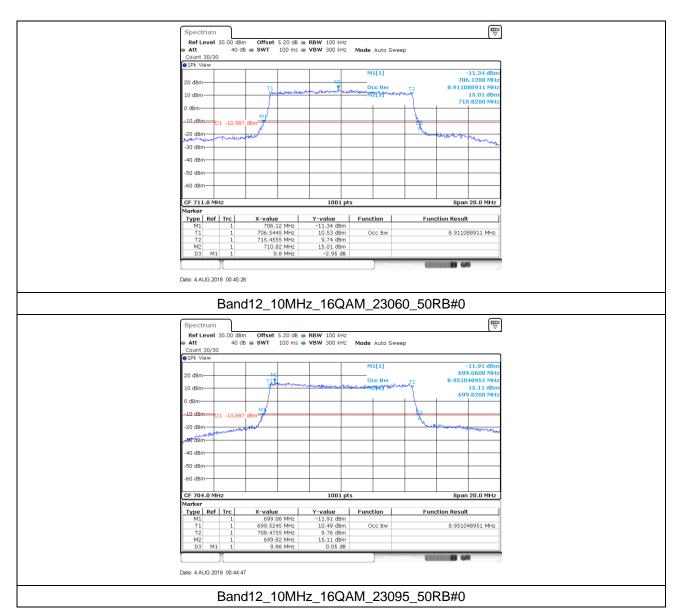
Page: 24 of 53





Report No.: ZR/2019/6003801

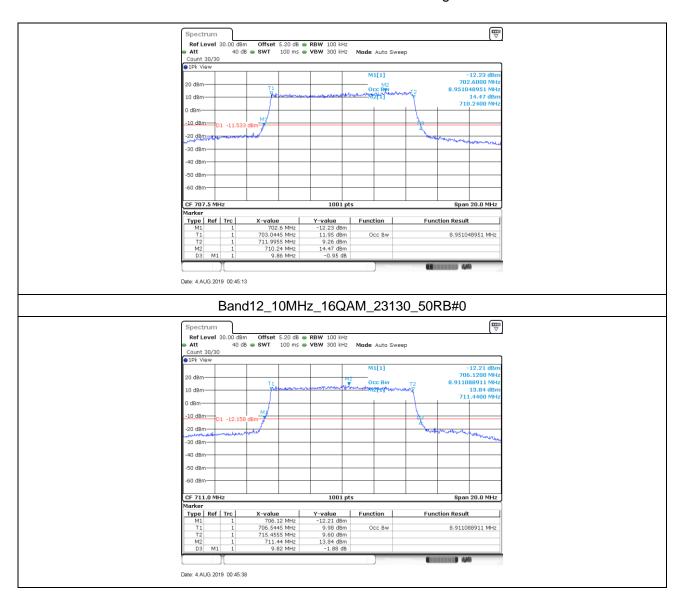
Page: 25 of 53





Report No.: ZR/2019/6003801

Page: 26 of 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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, **Certificate**.

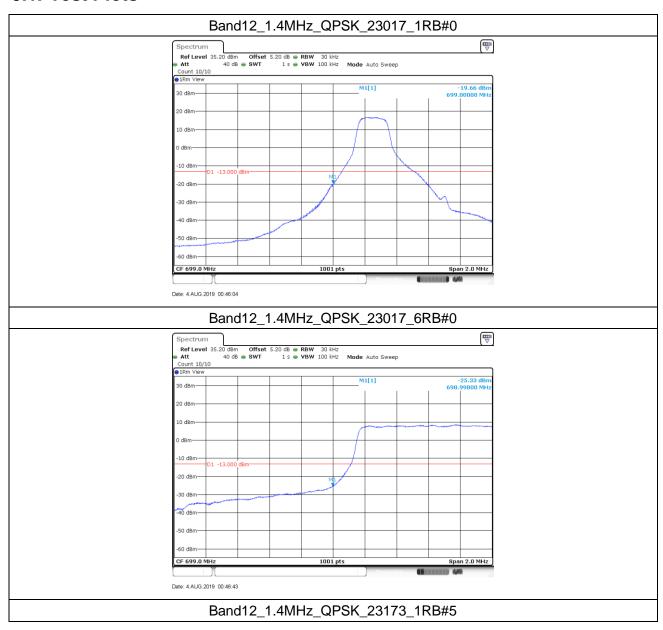
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国·深圳·科技园中区M-10栋一号厂房

邮编: 518057 t (86-755) 26012053 f (86-755) 26710594

Page: 27 of 53

5. Band Edge Compliance

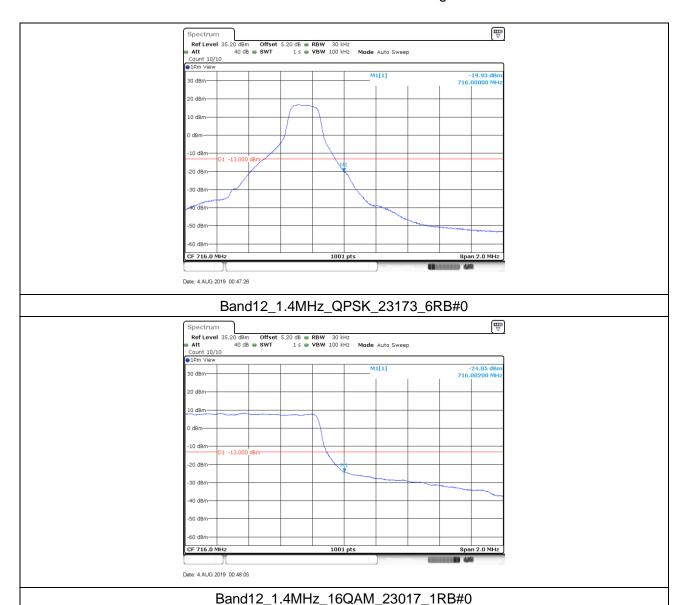
5.1. Test Plots





Report No.: ZR/2019/6003801

Page: 28 of 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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.

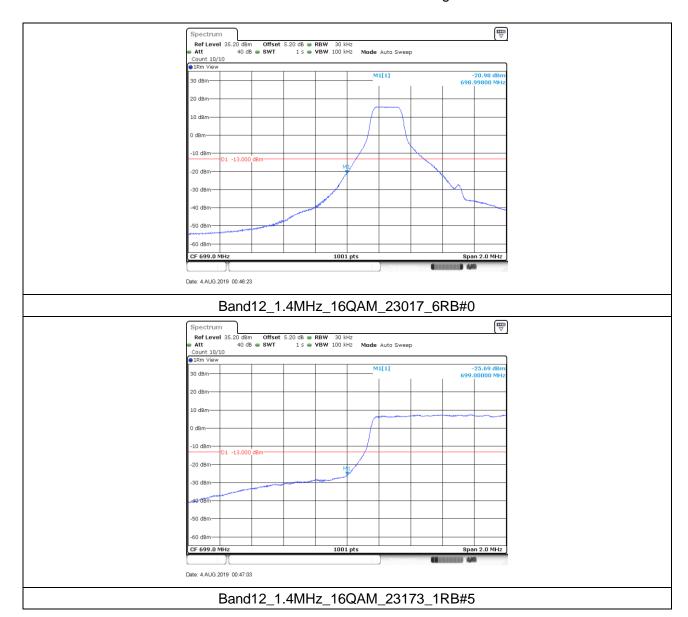
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Certificate**.

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

Report No.: ZR/2019/6003801

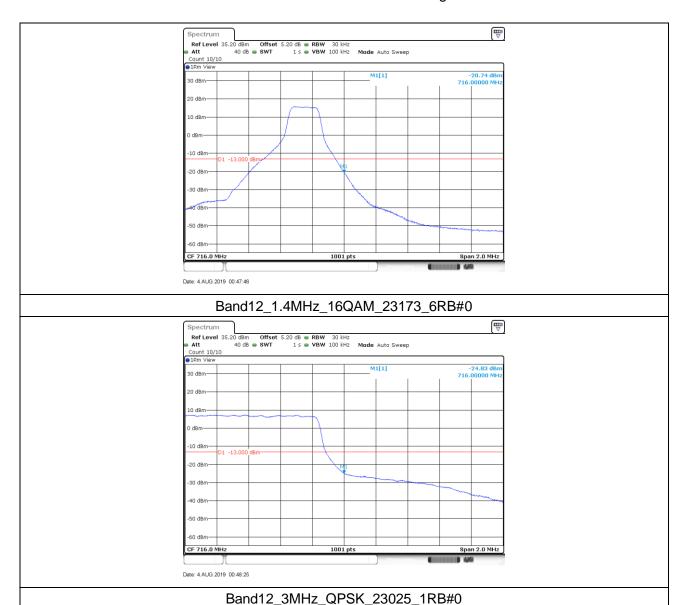
Page: 29 of 53





Report No.: ZR/2019/6003801

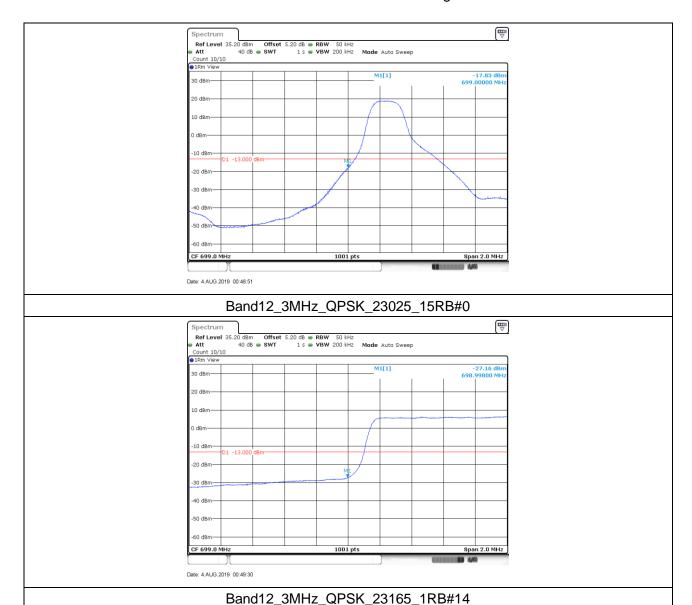
Page: 30 of 53





Report No.: ZR/2019/6003801

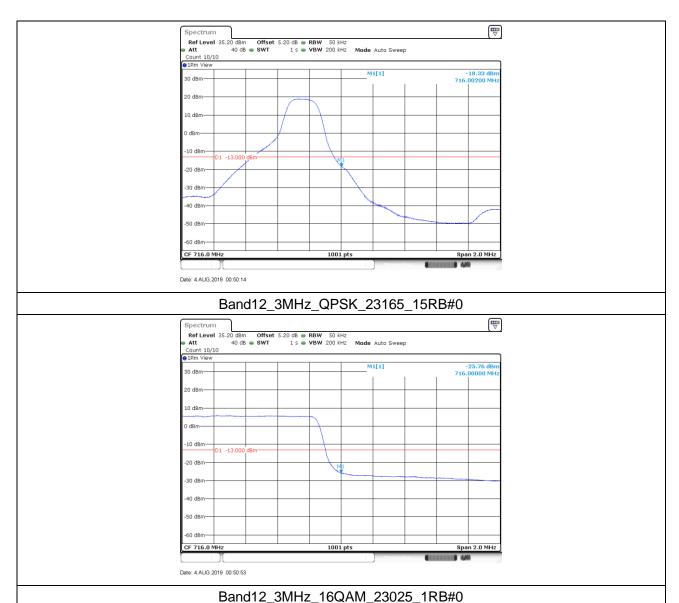
Page: 31 of 53





Report No.: ZR/2019/6003801

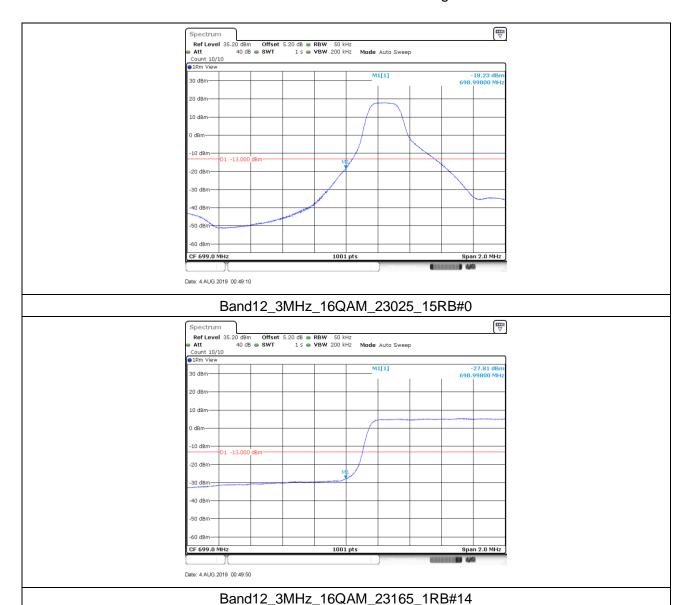
Page: 32 of 53





Report No.: ZR/2019/6003801

Page: 33 of 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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.

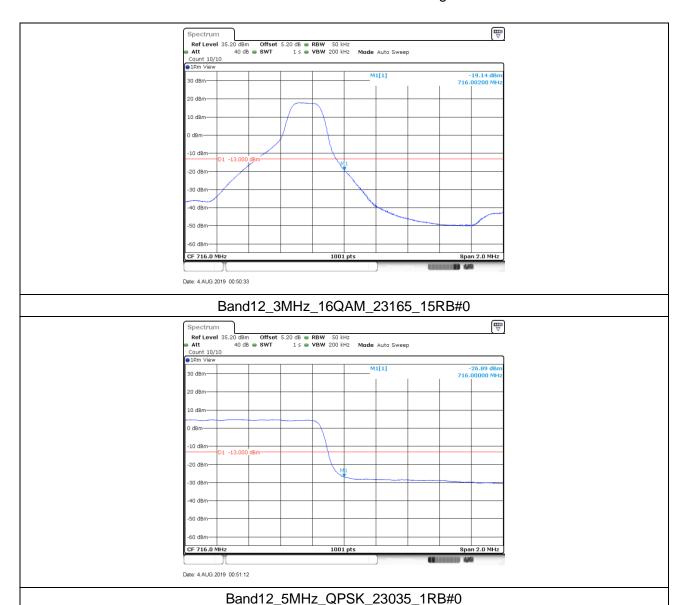
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Certificate**.

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

Report No.: ZR/2019/6003801

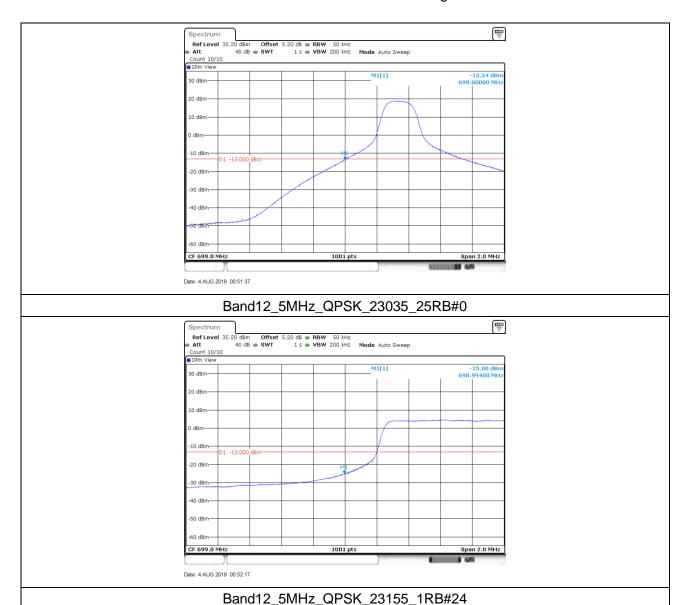
Page: 34 of 53





Report No.: ZR/2019/6003801

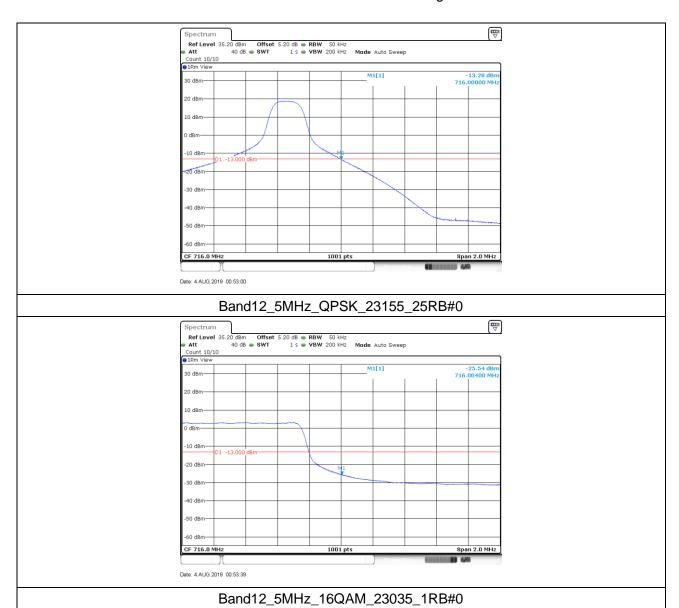
Page: 35 of 53





Report No.: ZR/2019/6003801

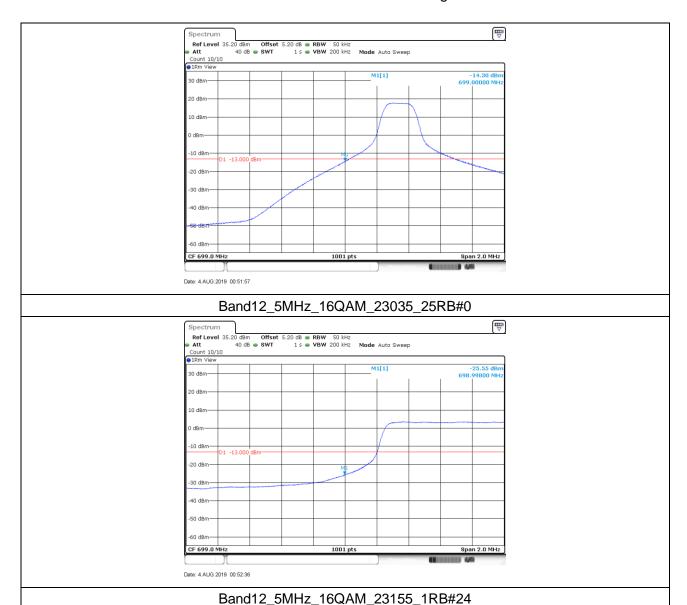
Page: 36 of 53





Report No.: ZR/2019/6003801

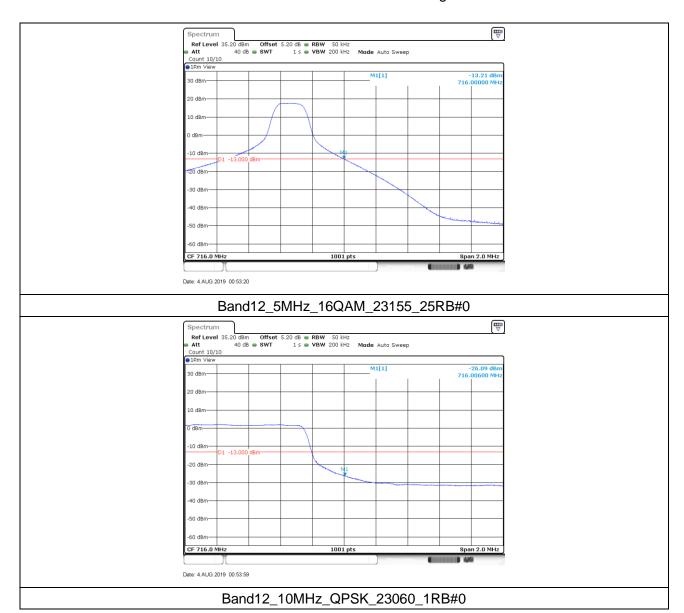
Page: 37 of 53





Report No.: ZR/2019/6003801

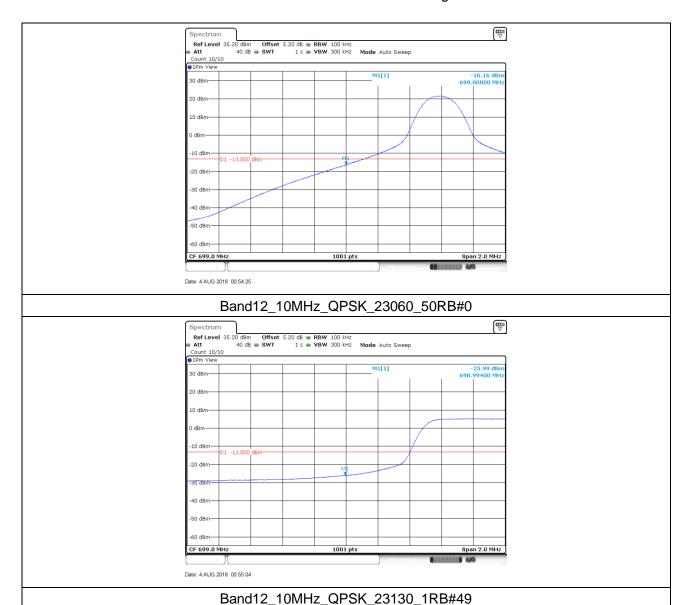
Page: 38 of 53





Report No.: ZR/2019/6003801

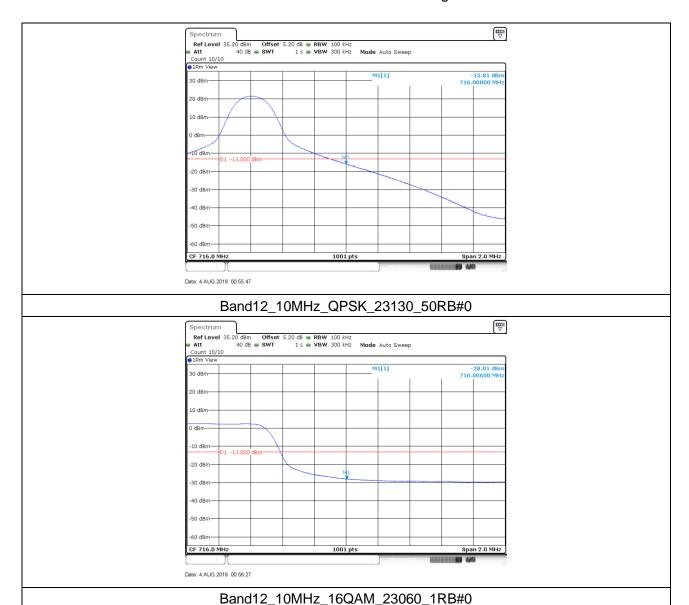
Page: 39 of 53





Report No.: ZR/2019/6003801

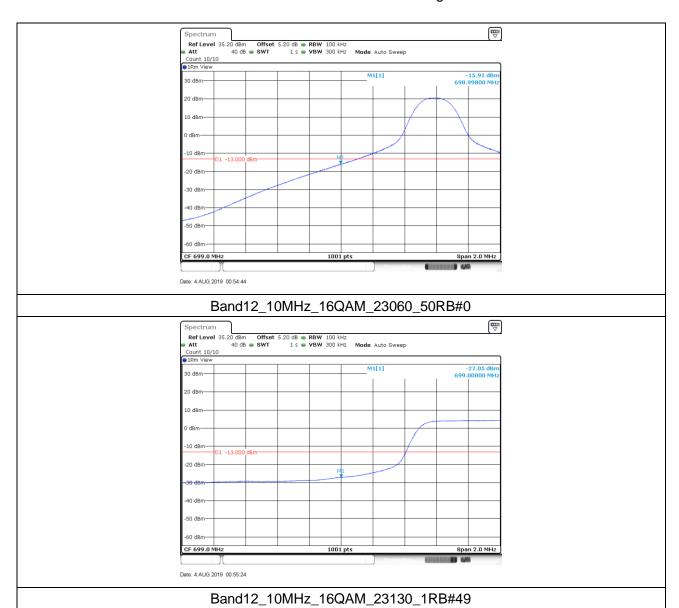
Page: 40 of 53





Report No.: ZR/2019/6003801

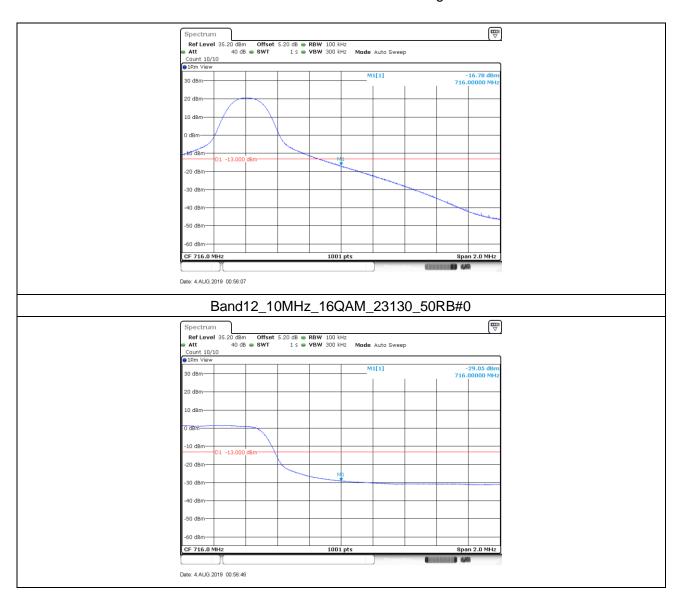
Page: 41 of 53





Report No.: ZR/2019/6003801

Page: 42 of 53



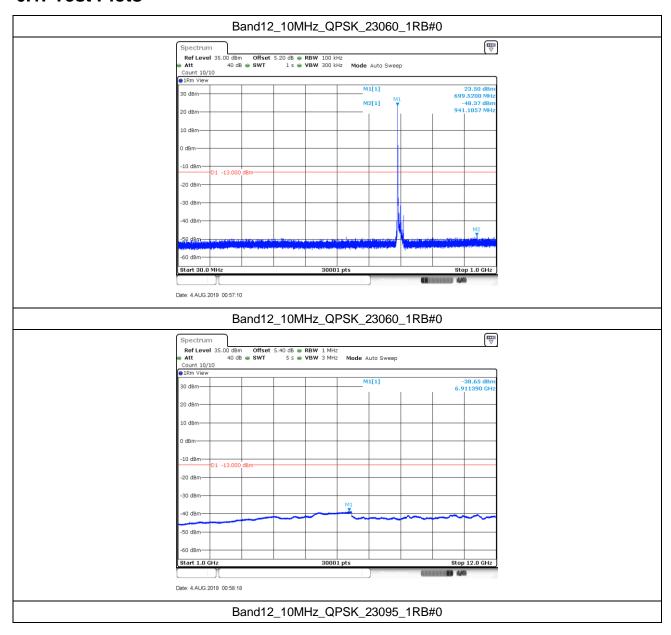


Page: 43 of 53

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: only the worst case data displayed in this report.

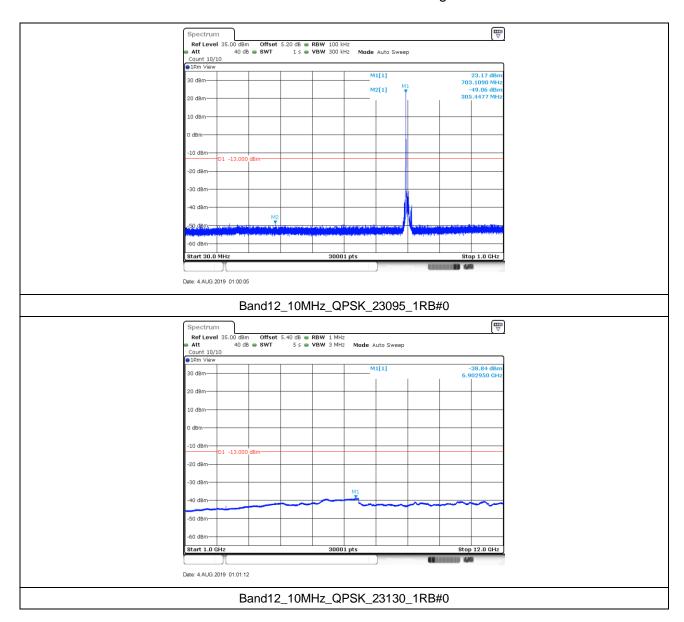
6.1. Test Plots





Report No.: ZR/2019/6003801

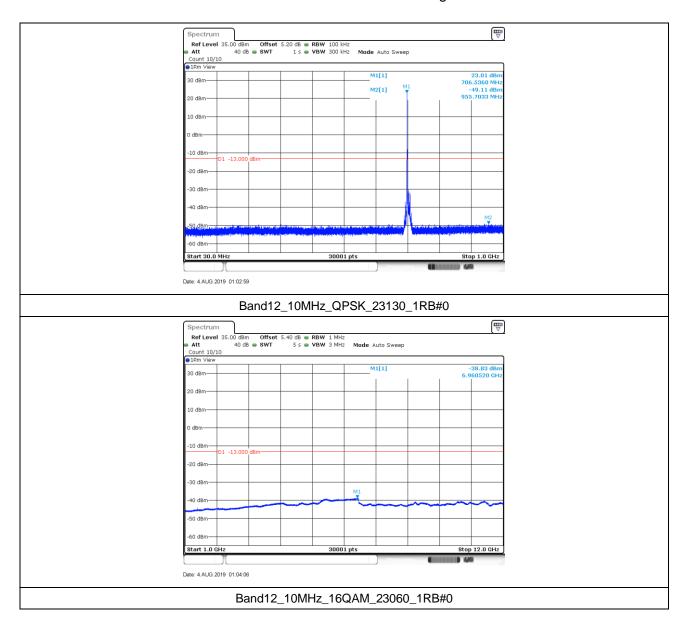
Page: 44 of 53





Report No.: ZR/2019/6003801

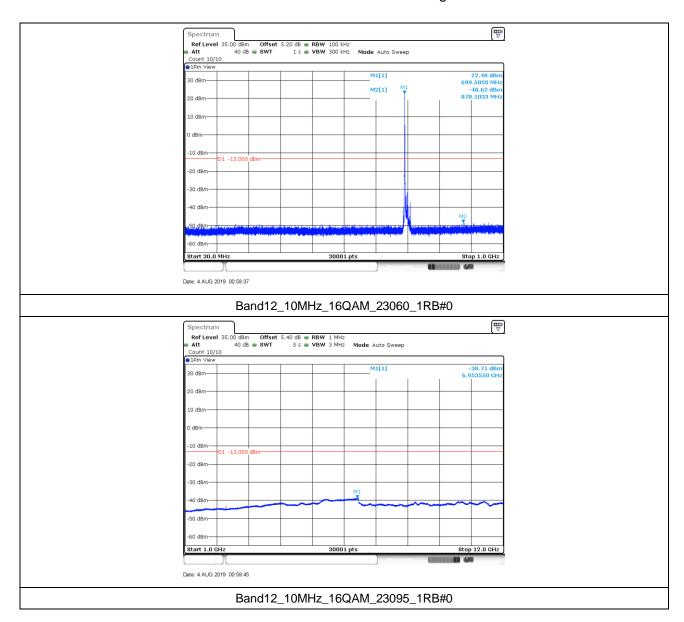
Page: 45 of 53





Report No.: ZR/2019/6003801

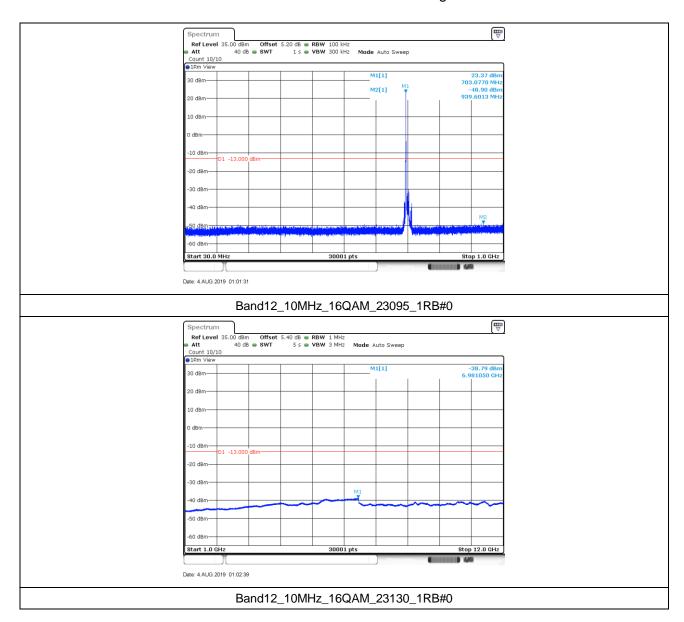
Page: 46 of 53





Report No.: ZR/2019/6003801

Page: 47 of 53

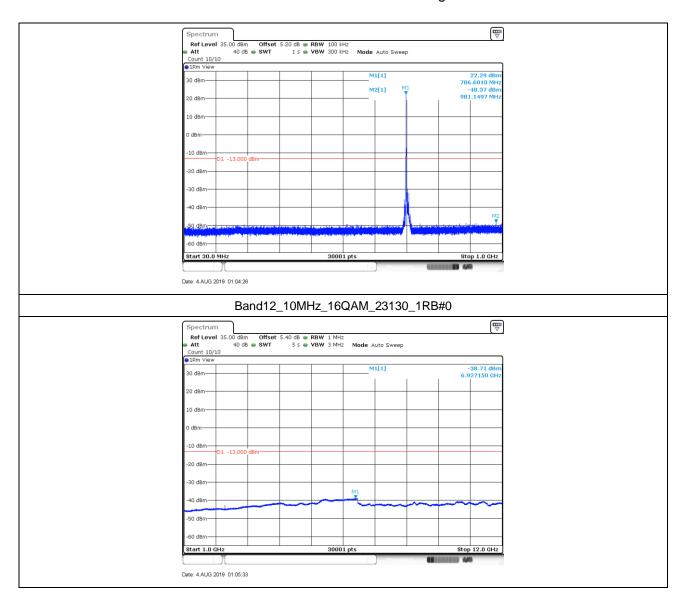






Report No.: ZR/2019/6003801

Page: 48 of 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-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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, **Certificate**.

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

Page: 49 of 53

7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 12

7.1.1.Test Mode =LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.6481	-64.66	-13.00	51.66	Vertical
590.9305	-65.26	-13.00	52.26	Vertical
1399.2799	-47.79	-13.00	34.79	Vertical
2941.9884	-56.95	-13.00	43.95	Vertical
14530.0612	-42.98	-13.00	29.98	Vertical
17998.8000	-32.35	-13.00	19.35	Vertical
40.8645	-64.67	-13.00	51.67	Horizontal
229.9270	-67.53	-13.00	54.53	Horizontal
1399.2799	-54.05	-13.00	41.05	Horizontal
2943.9888	-56.90	-13.00	43.90	Horizontal
16398.5359	-37.72	-13.00	24.72	Horizontal
17981.9993	-37.35	-13.00	24.35	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.0661	-65.17	-13.00	52.17	Vertical
593.7922	-64.50	-13.00	51.50	Vertical
1406.0812	-52.51	-13.00	39.51	Vertical
2998.7998	-56.40	-13.00	43.40	Vertical
14509.0604	-42.41	-13.00	29.41	Vertical
17894.3958	-34.88	-13.00	21.88	Vertical
41.3496	-64.91	-13.00	51.91	Horizontal
555.8148	-65.29	-13.00	52.29	Horizontal
987.0014	-57.76	-13.00	44.76	Horizontal
1406.0812	-57.87	-13.00	44.87	Horizontal
16396.1358	-38.33	-13.00	25.33	Horizontal
17984.3994	-37.43	-13.00	24.43	Horizontal



Page: 50 of 53

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.5254	-65.02	-13.00	52.02	Vertical
585.6438	-64.02	-13.00	51.02	Vertical
1413.2827	-53.84	-13.00	40.84	Vertical
3000.0000	-56.13	-13.00	43.13	Vertical
14698.0679	-42.42	-13.00	29.42	Vertical
17990.3996	-32.21	-13.00	19.21	Vertical
41.8346	-64.64	-13.00	51.64	Horizontal
573.3242	-64.37	-13.00	51.37	Horizontal
993.1612	-56.74	-13.00	43.74	Horizontal
2695.5391	-56.11	-13.00	43.11	Horizontal
16395.5358	-38.27	-13.00	25.27	Horizontal
17983.1993	-37.29	-13.00	24.29	Horizontal

Remark:

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



Page: 51 of 53

8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage											
Band	Bandwidth	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict		
200	24.14.114.11		O 11 can 11 can	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	7 0 7 0 1 0 1		
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-1.20	-0.001705	±2.5	PASS		
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.10	-0.002983	±2.5	PASS		
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-3.80	-0.005398	±2.5	PASS		
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-5.80	-0.008198	±2.5	PASS		
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-2.60	-0.003675	±2.5	PASS		
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-5.50	-0.007774	±2.5	PASS		
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-4.60	-0.006470	±2.5	PASS		
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-5.80	-0.008158	±2.5	PASS		
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-6.40	-0.009001	±2.5	PASS		
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-4.00	-0.005682	±2.5	PASS		
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	0.90	0.001278	±2.5	PASS		
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-4.50	-0.006392	±2.5	PASS		
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-1.00	-0.001413	±2.5	PASS		
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-4.50	-0.006360	±2.5	PASS		
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-5.10	-0.007208	±2.5	PASS		
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-8.10	-0.011392	±2.5	PASS		
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-8.80	-0.012377	±2.5	PASS		
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-4.20	-0.005907	±2.5	PASS		

8.2. Frequency Vs Temperature

Temperatur	е									
David Davidul	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict	
Band	Bandwidth Modulation	iviodulation	Channe	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-5.30	-0.007528	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-4.70	-0.006676	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-5.70	-0.008097	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-8.60	-0.012216	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-5.10	-0.007244	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-2.40	-0.003409	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.90	-0.002699	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-4.90	-0.006960	±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 issue 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, **Certificate**).

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 tt (86-755) 26012053 ft (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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com



Report No.: ZR/2019/6003801

Page: 52 of 53

Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-6.10	-0.008622	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0 50RB#0	NV	-20	-5.90	-0.008022	±2.5	PASS
						0		-0.008339		PASS
Band12 Band12	10MHz 10MHz	QPSK QPSK	23095 23095	50RB#0	NV NV	10	-6.00 -9.80		±2.5 ±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0 50RB#0	NV	20	-4.90	-0.013852 -0.006926	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-6.40	-0.009046	±2.5	PASS PASS
Band12	10MHz	QPSK	23095	50RB#0	NV NV	40	-2.30	-0.003251	±2.5	
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-6.60	-0.009329	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-1.90	-0.002672	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-3.50	-0.004923	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-7.00	-0.009845	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-6.50	-0.009142	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-8.10	-0.011392	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-7.60	-0.010689	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-5.20	-0.007386	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-4.40	-0.006250	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-8.20	-0.011648	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-8.00	-0.011364	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-7.30	-0.010369	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-11.10	-0.015767	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-7.70	-0.010938	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-7.90	-0.011222	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-5.40	-0.007633	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-1.20	-0.001696	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-6.40	-0.009046	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-6.40	-0.009046	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-8.90	-0.012580	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-3.60	-0.005063	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-1.10	-0.001547	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-3.50	-0.004923	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-4.40	-0.006188	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-3.70	-0.005204	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-4.10	-0.005767	±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, **Company** **Company*** **Co

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



Report No.: ZR/2019/6003801

53 of 53 Page:

Band12	10MHz	16QAM	23130	50RB#0	NV	40	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-3.30	-0.004641	±2.5	PASS

The End



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issue 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 document does not exonerate parties to a transaction prome exercising all their rights and obligations under the transaction document. 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, **Contact University** in the content of the conte