



# Appendix B

## E-UTRA Band 12



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](mailto:CN.Doccheck@sgs.com)



**CONTENT**

**1 EFFECTIVE (ISOTROPIC) RADIATED POWER..... 4**

1.1. TEST RESULT (UP ANTENNA) ..... 4

1.2. TEST RESULT (DOWN ANTENNA) .....12

**2. PEAK-TO-AVERAGE RATIO (CCDF).....20**

2.1. TEST RESULT.....20

2.2. TEST PLOTS.....20

**3. MODULATION CHARACTERISTICS .....25**

3.1. TEST MODE = LTE /TM1 10MHZ.....25

3.1.1. TEST CHANNEL = MCH .....25

3.2. TEST MODE = LTE /TM2 10MHZ.....26

3.2.1. TEST CHANNEL = MCH .....26

3.3. TEST MODE = LTE /TM3 10MHZ.....27

3.3.1. TEST CHANNEL = MCH .....27

**4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....28**

4.1. TEST RESULT.....28

4.2. TEST PLOTS.....29

**5. BAND EDGE COMPLIANCE .....47**

5.1. TEST PLOTS.....47

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....71**

6.1. TEST PLOTS.....71

**7. FIELD STRENGTH OF SPURIOUS RADIATION.....80**

7.1. TEST MODE =LTE/TM1 10MHZ(DOWN ANTENNA).....80

7.1.1. TEST CHANNEL = LCH .....80

7.1.2. TEST CHANNEL = MCH .....80

7.1.3. TEST CHANNEL = HCH .....81

7.2. TEST MODE =LTE/TM1 10MHZ(UP ANTENNA) .....81

7.2.1. TEST CHANNEL = LCH .....81

7.2.2. TEST CHANNEL = MCH .....82

7.2.3. TEST CHANNEL = HCH .....82



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](mailto:CN.Doccheck@sgs.com)



**8. FREQUENCY STABILITY.....83**

8.1. FREQUENCY VS VOLTAGE.....83

8.2. FREQUENCY VS TEMPERATURE .....83



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

# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result (Up Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.00	17.85	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.97	17.82	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.95	17.8	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.98	17.83	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.11	17.96	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.03	17.88	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.10	16.95	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.90	17.75	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.96	17.81	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.91	17.76	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.92	17.77	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.00	17.85	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.00	17.85	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.06	16.91	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.87	17.72	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.92	17.77	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.82	17.67	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.86	17.71	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.86	17.71	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.84	17.69	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.85	16.7	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.02	15.87	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.38	16.23	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.26	16.11	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.32	16.17	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.25	16.1	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.13	15.98	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-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**



Band12	1.4MHz	64QAM	23017	6RB#0	20.41	15.26	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.25	16.1	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.12	15.97	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.58	16.43	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.20	16.05	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.30	16.15	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.19	16.04	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.24	15.09	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.30	16.15	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.57	16.42	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	20.85	15.7	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	20.99	15.84	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.20	16.05	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.08	15.93	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.29	15.14	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.49	17.34	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.38	17.23	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.16	17.01	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.20	17.05	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.02	16.87	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.98	16.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.11	15.96	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.83	16.68	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.47	17.32	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.13	16.98	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.10	16.95	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.13	16.98	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.00	16.85	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.07	15.92	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.38	17.23	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.48	17.33	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.00	16.85	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.99	16.84	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](mailto:CN.Doccheck@sgs.com)





Band12	1.4MHz	16QAM	23173	3RB#1	22.02	16.87	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.94	16.79	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.02	15.87	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.07	17.92	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.05	17.9	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.13	17.98	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.13	16.98	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.10	16.95	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.12	16.97	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.13	16.98	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.05	17.9	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.92	17.77	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.06	17.91	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.04	16.89	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.07	16.92	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.10	16.95	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.03	16.88	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.00	17.85	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.92	17.77	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.92	17.77	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.02	16.87	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.98	16.83	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.99	16.84	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.97	16.82	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.50	16.35	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.75	16.6	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.37	16.22	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.42	15.27	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.50	15.35	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.43	15.28	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.45	15.3	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.30	16.15	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.67	16.52	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](mailto:CN.Doccheck@sgs.com)



Band12	3MHz	64QAM	23095	1RB#8	21.37	16.22	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.34	15.19	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.29	15.14	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.28	15.13	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.30	15.15	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.49	16.34	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.31	16.16	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.59	16.44	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.24	15.09	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.38	15.23	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.15	15	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.21	15.06	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.44	17.29	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.51	17.36	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.28	17.13	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.15	16	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.18	16.03	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.20	16.05	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.11	15.96	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.34	17.19	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.50	17.35	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.33	17.18	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.17	16.02	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.10	15.95	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.09	15.94	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.03	15.88	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.17	17.02	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.16	17.01	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.20	17.05	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.10	15.95	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.10	15.95	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.04	15.89	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.04	15.89	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](mailto:CN.Doccheck@sgs.com)



Band12	5MHz	QPSK	23035	1RB#24	23.03	17.88	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.07	17.92	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.01	17.86	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.20	17.05	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.18	17.03	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.09	16.94	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.09	16.94	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.10	17.95	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.92	17.77	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.09	17.94	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.06	16.91	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.09	16.94	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.10	16.95	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.03	16.88	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.89	17.74	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.87	17.72	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.94	17.79	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.14	16.99	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.02	16.87	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.96	16.81	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.04	16.89	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.15	16	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.41	16.26	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.49	16.34	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.38	15.23	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.39	15.24	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.28	15.13	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.34	15.19	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.39	16.24	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.29	16.14	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.66	16.51	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.38	15.23	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.27	15.12	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](mailto:CN.Doccheck@sgs.com)





Band12	5MHz	64QAM	23095	12RB#6	20.25	15.1	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.35	15.2	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.42	16.27	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.29	16.14	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.57	16.42	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.34	15.19	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.30	15.15	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.24	15.09	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.22	15.07	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.28	17.13	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.33	17.18	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.54	17.39	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.15	16	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.21	16.06	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.10	15.95	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.19	16.04	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.52	17.37	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.29	17.14	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.35	17.2	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.19	16.04	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.07	15.92	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.18	16.03	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.06	15.91	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.55	17.4	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.53	17.38	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.17	17.02	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.18	16.03	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.04	15.89	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.99	15.84	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.17	16.02	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.02	17.87	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.93	17.78	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.00	17.85	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](mailto:CN.Doccheck@sgs.com)



Band12	10MHz	QPSK	23060	25RB#12	22.13	16.98	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.18	17.03	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.08	16.93	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.11	16.96	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.84	17.69	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.03	17.88	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.90	17.75	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.05	16.9	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.07	16.92	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.06	16.91	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.03	16.88	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.96	17.81	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.72	17.57	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.13	17.98	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.09	16.94	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.06	16.91	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.10	16.95	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.93	16.78	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.42	16.27	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.53	16.38	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.44	16.29	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.34	15.19	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.31	15.16	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.42	15.27	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.24	15.09	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.56	16.41	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.70	16.55	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.69	16.54	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.31	15.16	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.24	15.09	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.32	15.17	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.29	15.14	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.39	16.24	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**



Band12	10MHz	64QAM	23130	1RB#0	21.73	16.58	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.14	15.99	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.12	14.97	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.28	15.13	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.29	15.14	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.34	15.19	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.39	17.24	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.23	17.08	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.30	17.15	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.08	15.93	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.15	16	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.04	15.89	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.08	15.93	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.41	17.26	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.46	17.31	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.51	17.36	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.14	15.99	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.01	15.86	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.07	15.92	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.10	15.95	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.20	17.05	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.35	17.2	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.56	17.41	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.91	15.76	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.00	15.85	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.23	16.08	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.99	15.84	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](mailto:CN.Doccheck@sgs.com)



## 1.2. Test Result (Down Antenna)

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.96	19.81	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.02	19.87	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.96	19.81	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.02	19.87	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.01	19.86	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.91	19.76	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.05	18.9	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.87	19.72	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.62	19.47	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.93	19.78	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.85	19.7	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.91	19.76	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.90	19.75	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.93	18.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.77	19.62	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.75	19.6	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.69	19.54	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.76	19.61	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.76	19.61	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.83	19.68	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.80	18.65	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	23.10	18.95	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	23.08	18.93	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	23.16	19.01	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	23.11	18.96	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	23.11	18.96	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	23.09	18.94	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	21.97	17.82	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.95	18.8	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	23.08	18.93	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-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](mailto:CN.Doccheck@sgs.com)





Band12	1.4MHz	64QAM	23095	1RB#5	22.99	18.84	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	22.96	18.81	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	22.99	18.84	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	22.96	18.81	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	22.00	17.85	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.87	18.72	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	23.05	18.9	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.87	18.72	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	22.99	18.84	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	22.89	18.74	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	22.88	18.73	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.89	17.74	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.21	19.06	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.19	19.04	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.26	19.11	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.17	19.02	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.18	19.03	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.12	18.97	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.12	17.97	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.12	18.97	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.14	18.99	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.04	18.89	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.97	18.82	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.99	18.84	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.04	18.89	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.98	17.83	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.11	18.96	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.98	18.83	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.13	18.98	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.88	18.73	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.94	18.79	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.92	18.77	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.90	17.75	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](mailto:CN.Doccheck@sgs.com)



Band12	3MHz	QPSK	23025	1RB#14	23.98	19.83	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.05	19.9	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.11	19.96	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.11	18.96	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.13	18.98	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.08	18.93	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.12	18.97	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.02	19.87	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.93	19.78	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.00	19.85	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.99	18.84	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.97	18.82	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.96	18.81	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.99	18.84	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.77	19.62	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.88	19.73	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.95	19.8	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.91	18.76	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.93	18.78	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.92	18.77	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.00	18.85	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	23.19	19.04	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	23.12	18.97	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	23.28	19.13	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	22.20	18.05	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	22.20	18.05	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	22.13	17.98	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	22.14	17.99	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	23.19	19.04	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	23.07	18.92	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	23.21	19.06	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	22.01	17.86	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	22.08	17.93	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](mailto:CN.Doccheck@sgs.com)



Band12	3MHz	64QAM	23095	8RB#7	22.04	17.89	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	22.03	17.88	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	23.10	18.95	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.93	18.78	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	23.05	18.9	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	22.04	17.89	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	22.02	17.87	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	22.01	17.86	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	22.03	17.88	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.41	19.26	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.38	19.23	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.26	19.11	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.14	17.99	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.26	18.11	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.15	18	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.20	18.05	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.10	18.95	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.16	19.01	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.29	19.14	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.09	17.94	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.07	17.92	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.07	17.92	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.02	17.87	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.28	19.13	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.08	18.93	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.15	19	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.03	17.88	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.97	17.82	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.95	17.8	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.96	17.81	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.90	19.75	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.99	19.84	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.14	19.99	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, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)





Band12	5MHz	QPSK	23035	12RB#13	23.05	18.9	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.10	18.95	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.17	19.02	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.18	19.03	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.01	19.86	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.98	19.83	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.91	19.76	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.10	18.95	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.04	18.89	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.99	18.84	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.98	18.83	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.91	19.76	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.87	19.72	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.80	19.65	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.99	18.84	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.00	18.85	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.91	18.76	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.94	18.79	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	23.07	18.92	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	23.03	18.88	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	23.28	19.13	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	22.18	18.03	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	22.18	18.03	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	22.09	17.94	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	22.12	17.97	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	23.13	18.98	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	23.10	18.95	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	23.14	18.99	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	22.05	17.9	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	22.09	17.94	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	22.11	17.96	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	22.10	17.95	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	23.05	18.9	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](mailto:CN.Doccheck@sgs.com)





Band12	5MHz	64QAM	23155	1RB#12	22.96	18.81	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.99	18.84	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	22.06	17.91	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	22.12	17.97	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	22.03	17.88	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	22.12	17.97	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.35	19.2	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.40	19.25	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.15	19	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.22	18.07	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.08	17.93	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.21	18.06	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.11	17.96	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.25	19.1	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.14	18.99	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.24	19.09	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.12	17.97	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.12	17.97	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.07	17.92	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.96	17.81	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.11	18.96	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.11	18.96	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.01	18.86	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.12	17.97	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.02	17.87	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.98	17.83	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.00	17.85	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.95	19.8	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.93	19.78	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.94	19.79	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.15	19	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.13	18.98	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.00	18.85	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](mailto:CN.Doccheck@sgs.com)



Band12	10MHz	QPSK	23060	50RB#0	23.11	18.96	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.80	19.65	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.00	19.85	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.87	19.72	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.06	18.91	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.05	18.9	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.02	18.87	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.02	18.87	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.88	19.73	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.93	19.78	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.69	19.54	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.98	18.83	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.03	18.88	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.94	18.79	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.03	18.88	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	23.45	19.3	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	23.23	19.08	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	23.21	19.06	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	22.05	17.9	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	22.24	18.09	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	22.17	18.02	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	22.18	18.03	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	23.33	19.18	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	23.43	19.28	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	23.13	18.98	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	22.11	17.96	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	22.06	17.91	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	22.12	17.97	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	22.06	17.91	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	23.22	19.07	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	23.32	19.17	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	23.29	19.14	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	22.10	17.95	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](mailto:CN.Doccheck@sgs.com)



Band12	10MHz	64QAM	23130	25RB#25	22.00	17.85	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	22.07	17.92	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	22.00	17.85	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.37	19.22	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.19	19.04	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.22	19.07	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.12	17.97	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.08	17.93	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.06	17.91	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.08	17.93	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.25	19.1	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.14	18.99	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.26	19.11	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.11	17.96	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.00	17.85	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.03	17.88	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.98	17.83	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.34	19.19	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.02	18.87	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.14	18.99	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.92	17.77	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.06	17.91	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.08	17.93	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.98	17.83	34.77	PASS

Remark:

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

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

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



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

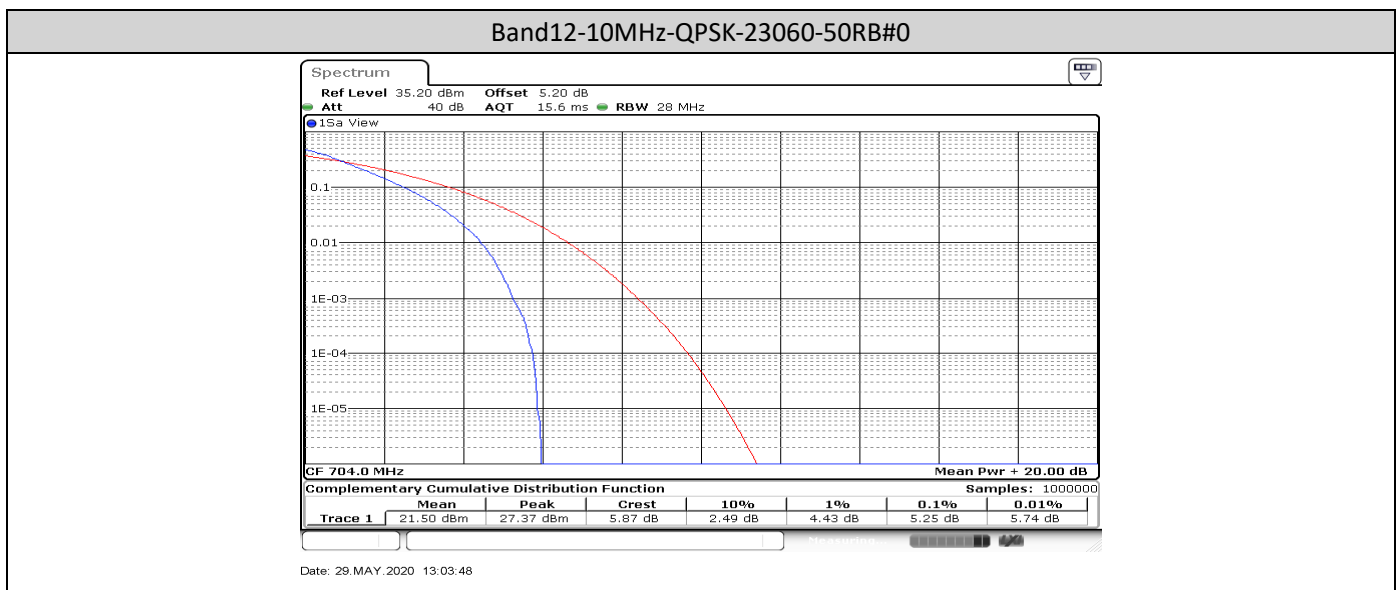


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.52	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.51	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.58	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.78	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.58	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.17	13	PASS

### 2.2. Test Plots

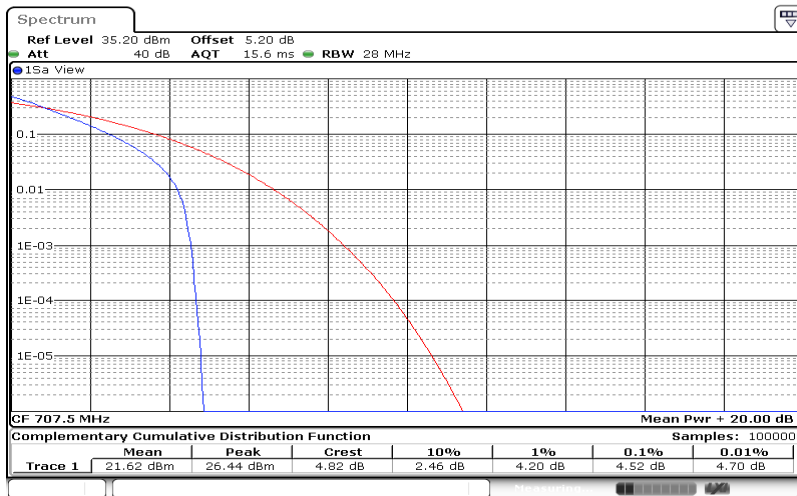


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

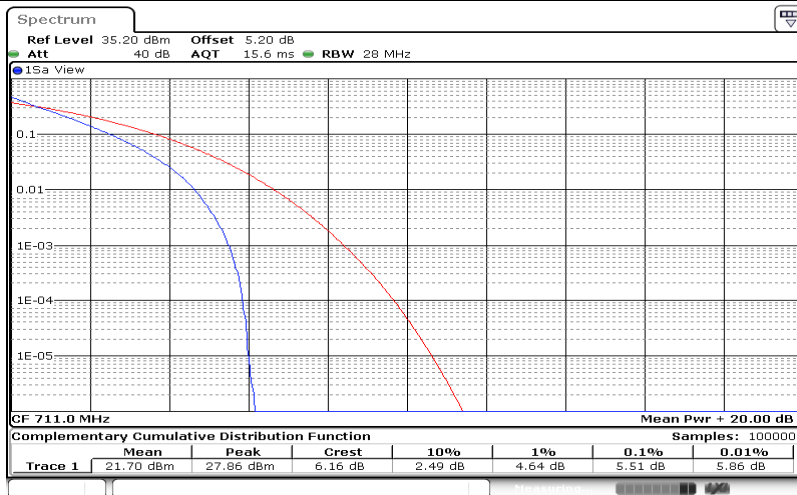


**Band12-10MHz-QPSK-23095-50RB#0**



Date: 29.MAY.2020 13:04:11

**Band12-10MHz-QPSK-23130-50RB#0**



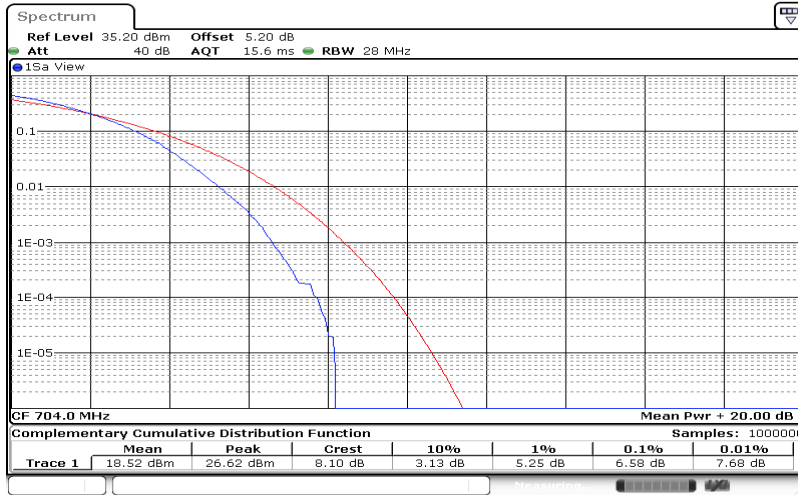
Date: 29.MAY.2020 13:04:33



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](mailto:CN.Doccheck@sgs.com)

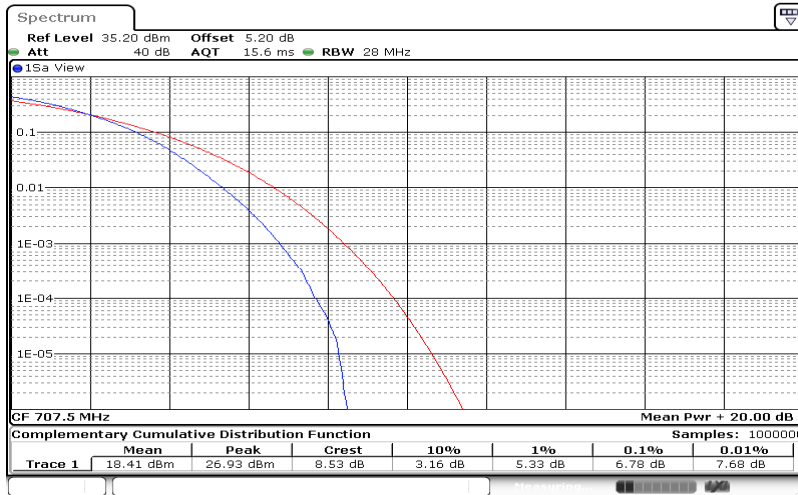


Band12-10MHz-64QAM-23060-50RB#0



Date: 1.JUN.2020 08:07:25

Band12-10MHz-64QAM-23095-50RB#0

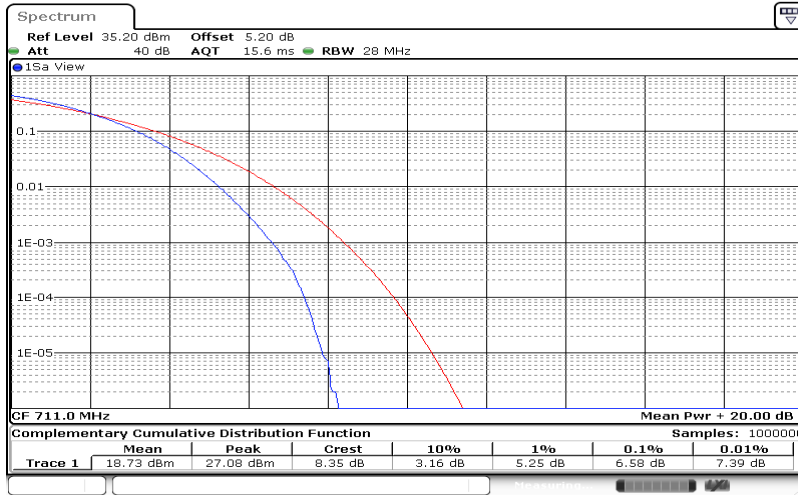


Date: 1.JUN.2020 08:07:36



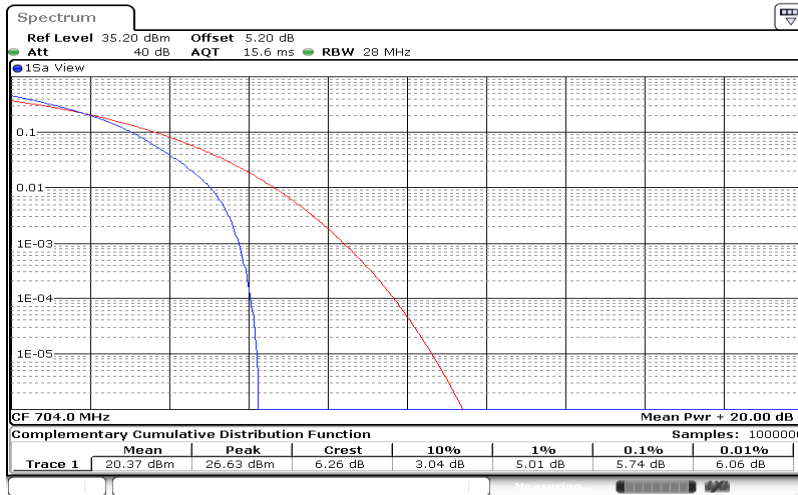
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-64QAM-23130-50RB#0**



Date: 1 JUN 2020 08:07:47

**Band12-10MHz-16QAM-23060-50RB#0**



Date: 29 MAY 2020 13:03:59

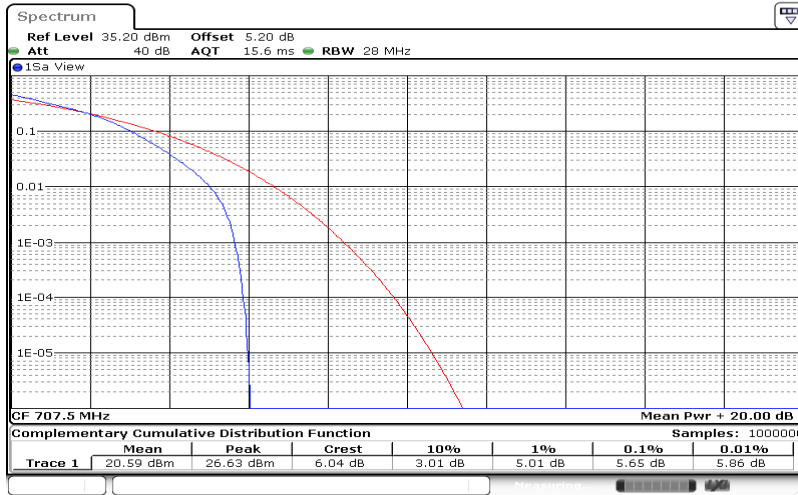


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

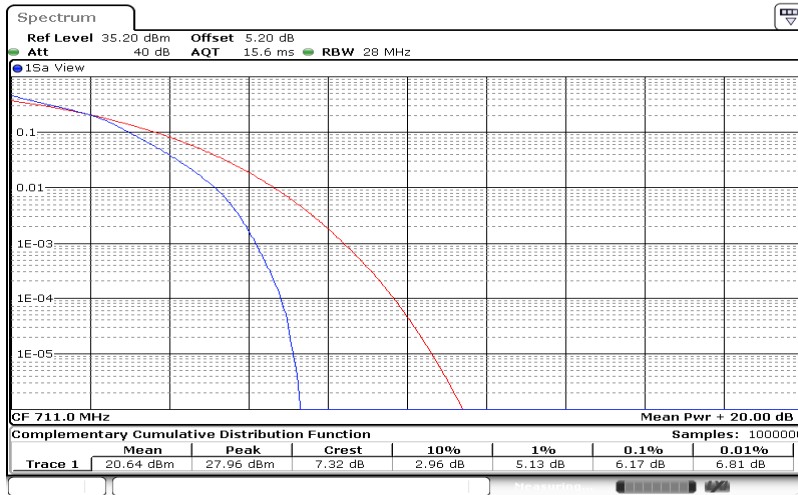


Band12-10MHz-16QAM-23095-50RB#0



Date: 29.MAY.2020 13:04:22

Band12-10MHz-16QAM-23130-50RB#0



Date: 29.MAY.2020 13:04:45



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.

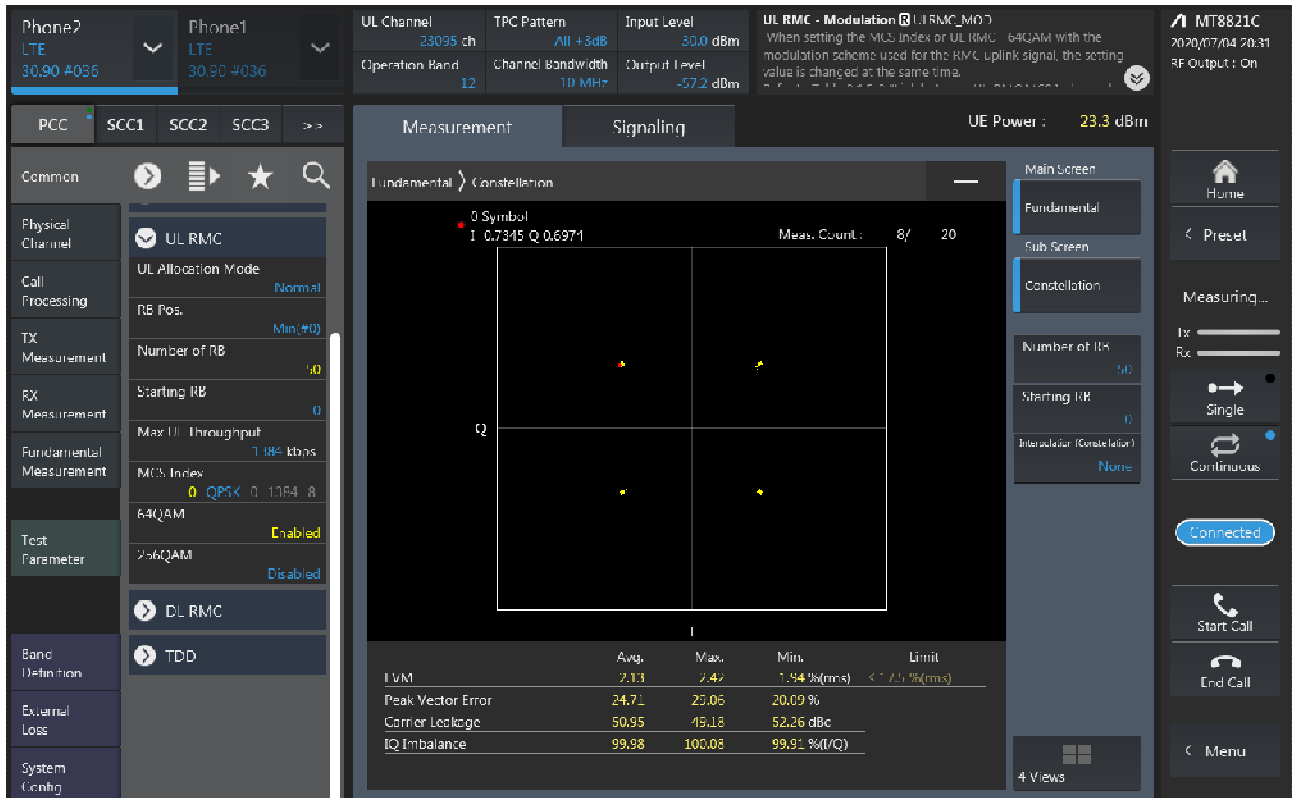
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

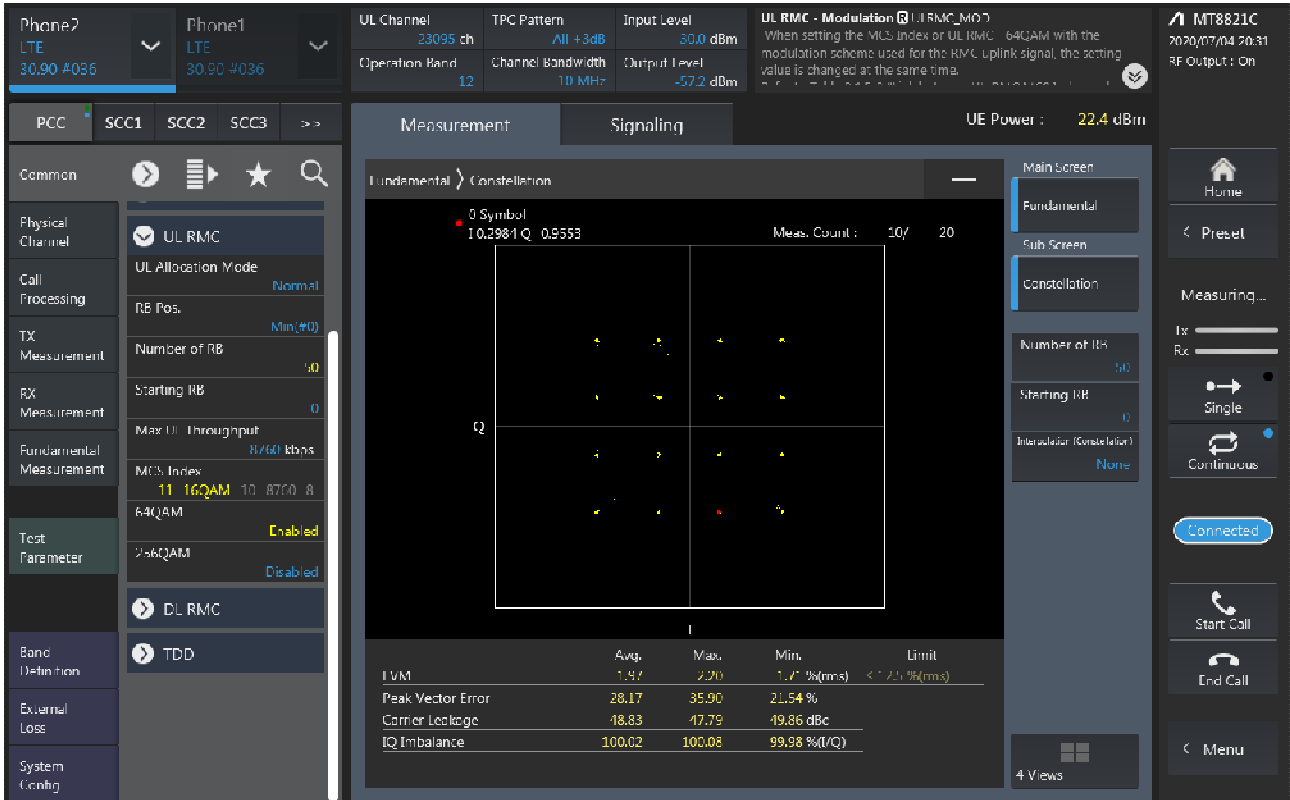
##### 3.1.1. Test Channel = MCH



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

### 3.2. Test Mode = LTE /TM2 10MHz

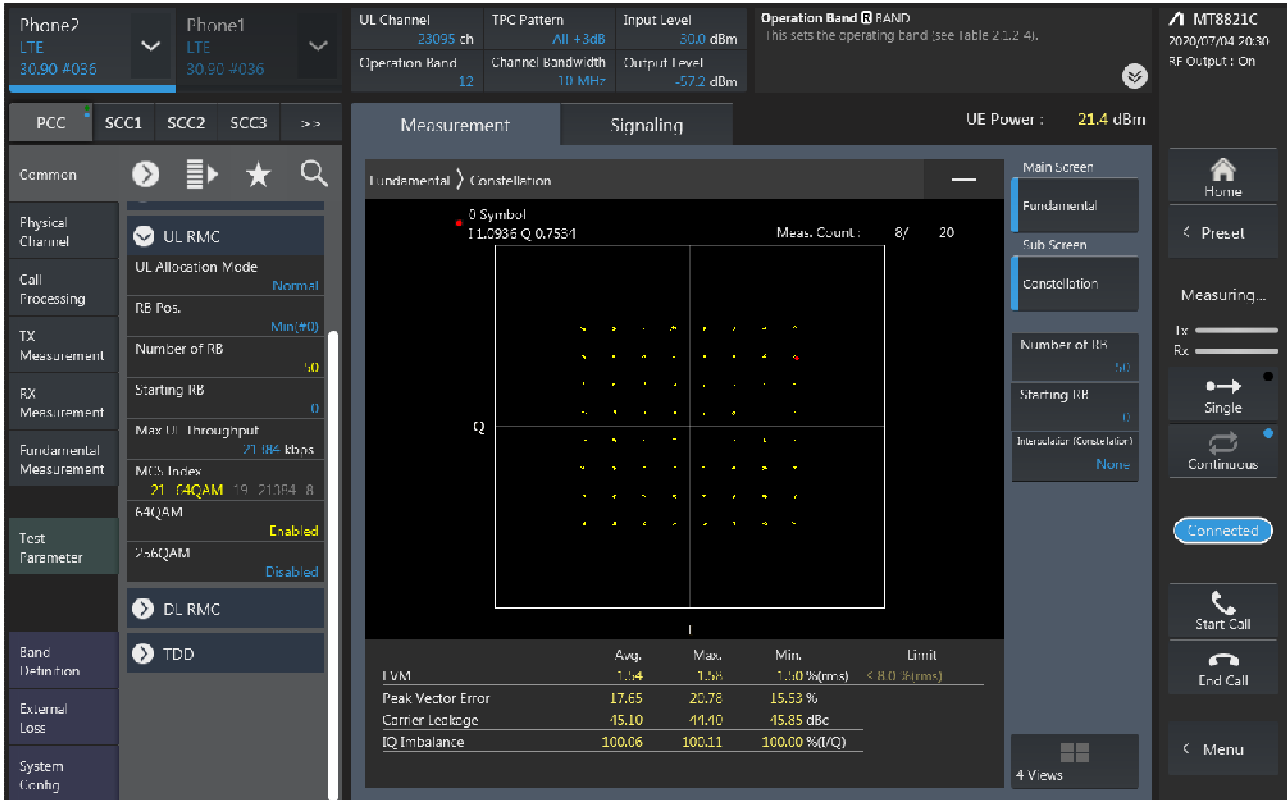
#### 3.2.1. Test Channel = MCH



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

### 3.3. Test Mode = LTE /TM3 10MHz

#### 3.3.1. Test Channel = MCH



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



## 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	1.230	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.242	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.239	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.094	1.230	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.091	1.251	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.242	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.085	1.233	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.085	1.236	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.230	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.703	3.024	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.691	3.024	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.697	3.012	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.691	3.000	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.691	2.994	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.685	3.006	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.982	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.685	2.976	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.685	2.988	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.920	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.890	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.466	4.910	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.890	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.910	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.466	4.880	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	4.930	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	4.920	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	4.940	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.680	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.891	9.640	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.931	9.700	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.931	9.640	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-of-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](mailto:CN.Doccheck@sgs.com)

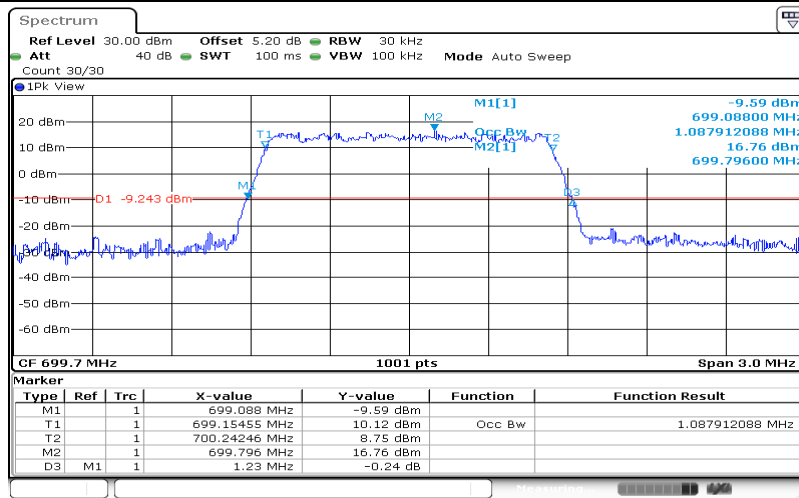




Band12	10MHz	64QAM	23095	50RB#0	8.951	9.700	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.911	9.640	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.911	9.720	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.911	9.620	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.911	9.720	PASS

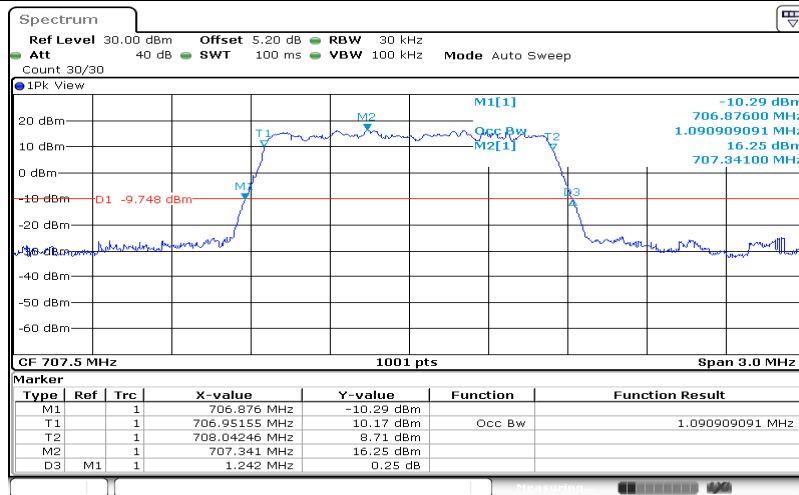
## 4.2. Test Plots

**Band12-1.4MHz-QPSK-23017-6RB#0-1.088**



Date: 29.MAY.2020 12:37:20

**Band12-1.4MHz-QPSK-23095-6RB#0-1.091**

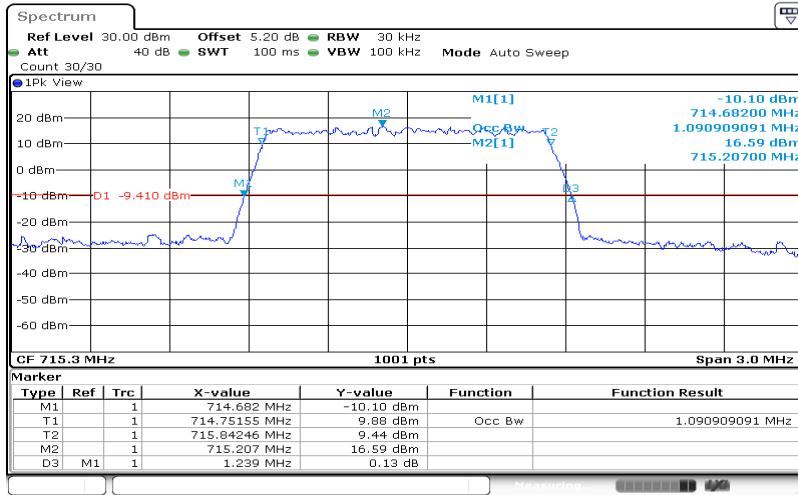


Date: 29.MAY.2020 12:37:45



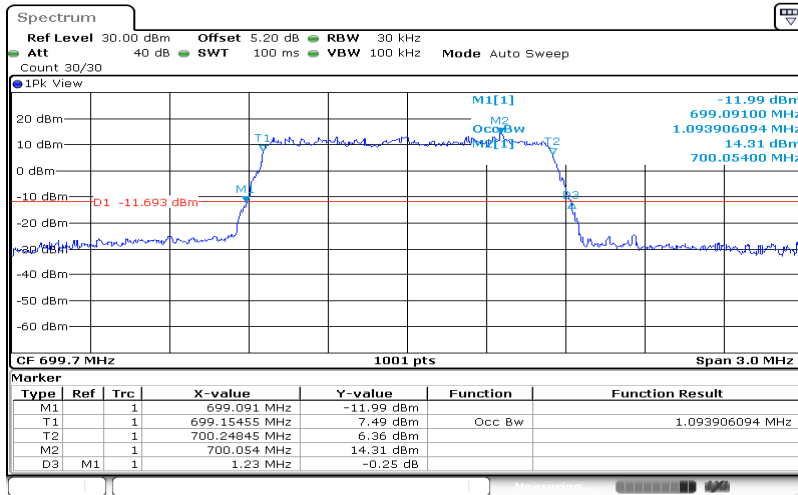
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-1.4MHz-QPSK-23173-6RB#0-1.091**



Date: 29.MAY.2020 12:38:11

**Band12-1.4MHz-64QAM-23017-6RB#0-1.094**



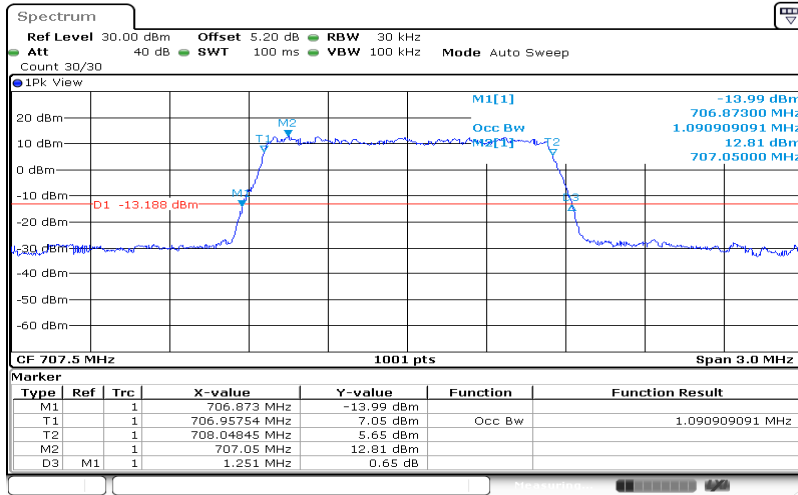
Date: 1.JUN.2020 07:53:19



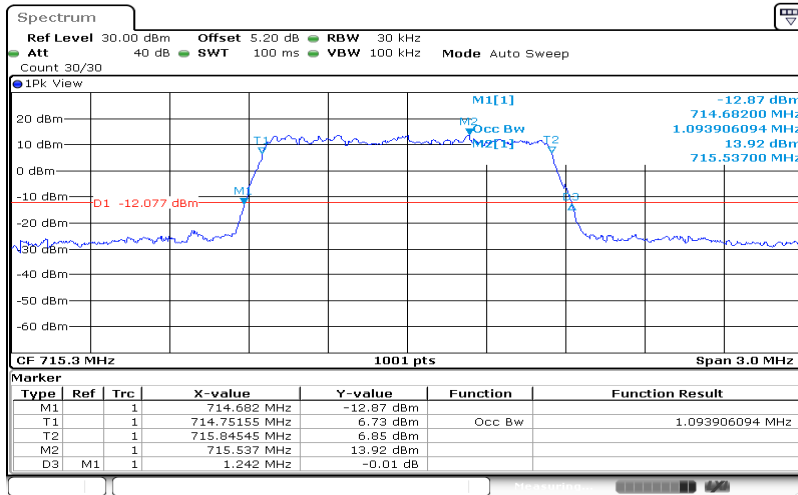
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band12-1.4MHz-64QAM-23095-6RB#0-1.091



Band12-1.4MHz-64QAM-23173-6RB#0-1.094

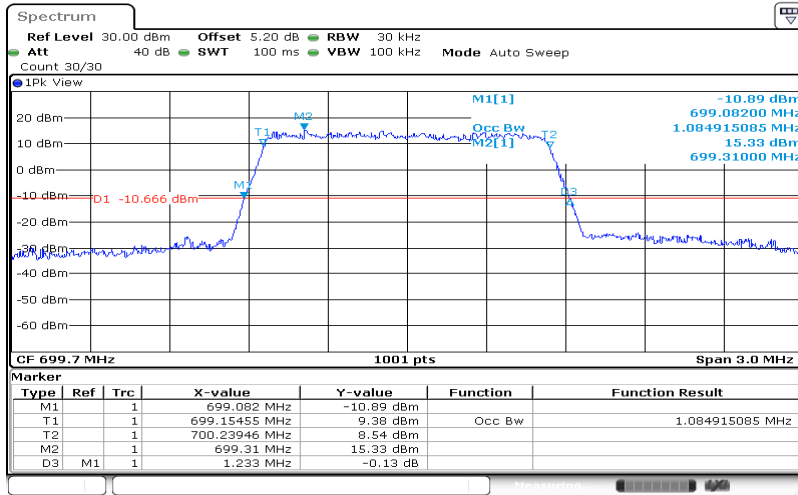


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

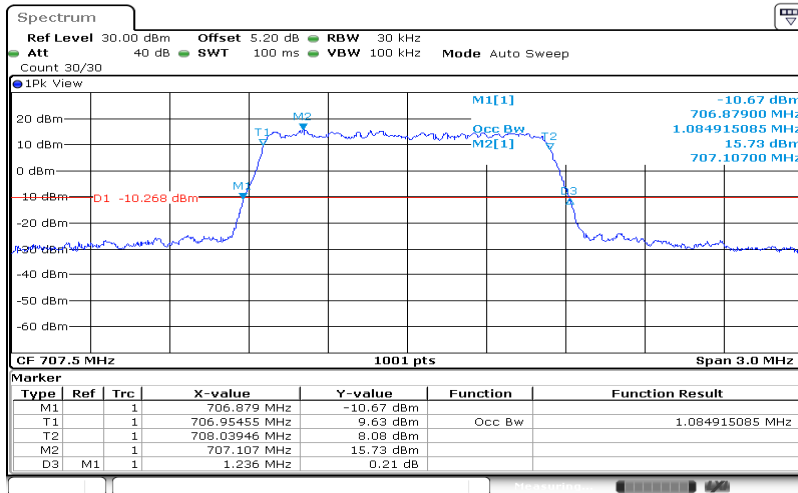
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Band12-1.4MHz-16QAM-23017-6RB#0-1.085**



Date: 29.MAY.2020 12:37:32

**Band12-1.4MHz-16QAM-23095-6RB#0-1.085**



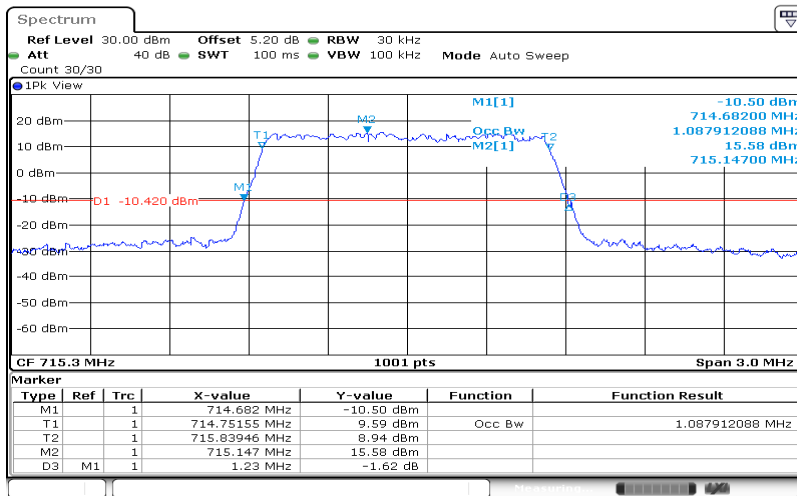
Date: 29.MAY.2020 12:37:58



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.

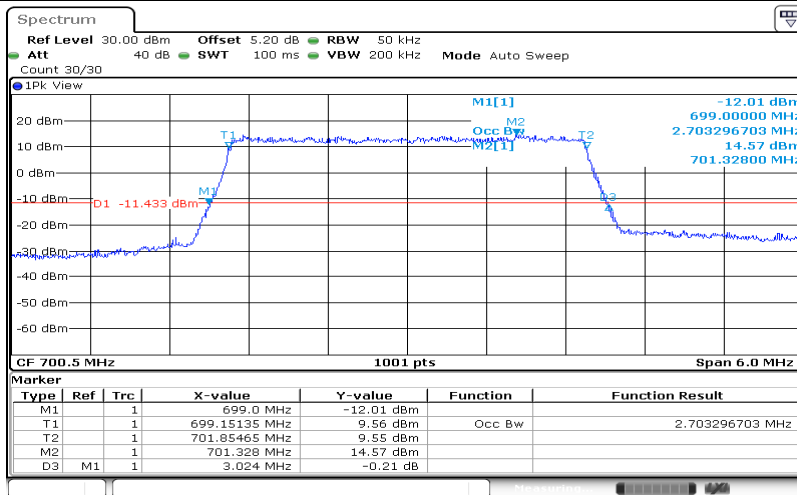


**Band12-1.4MHz-16QAM-23173-6RB#0-1.088**



Date: 29.MAY.2020 12:38:24

**Band12-3MHz-QPSK-23025-15RB#0-2.703**

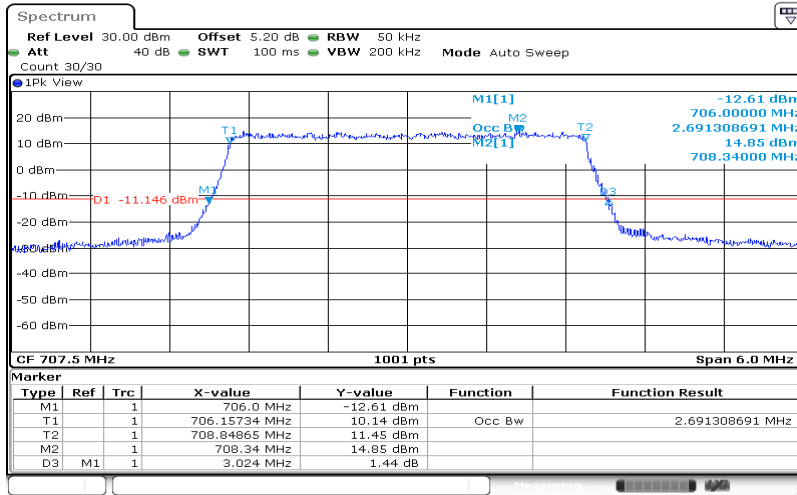


Date: 29.MAY.2020 12:38:41



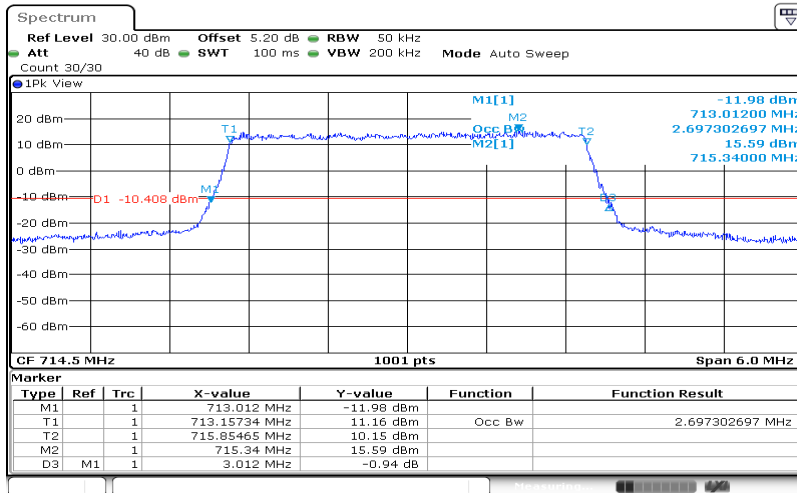
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-3MHz-QPSK-23095-15RB#0-2.691



Date: 29.MAY.2020 12:39:07

Band12-3MHz-QPSK-23165-15RB#0-2.697

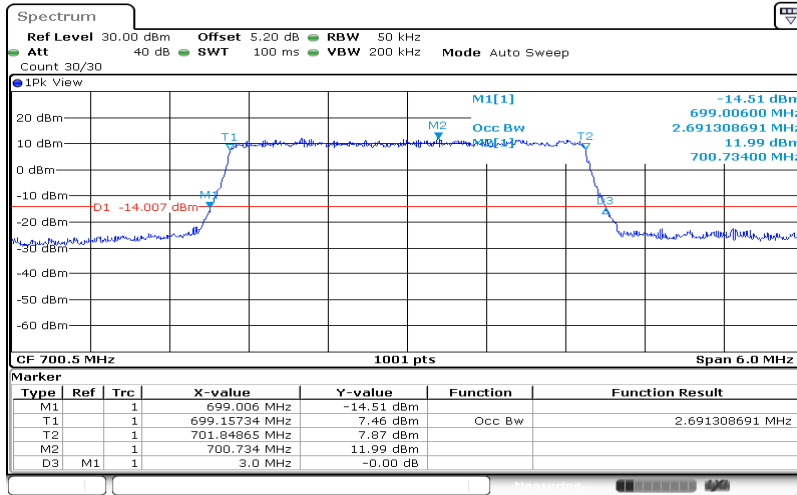


Date: 29.MAY.2020 12:39:33



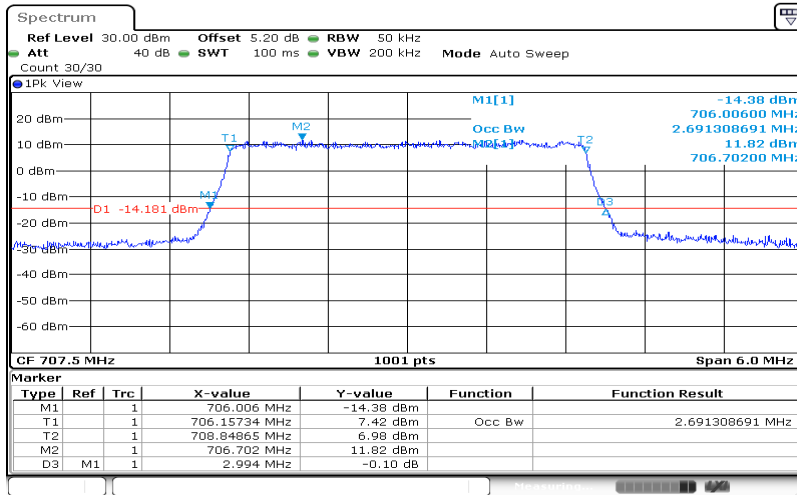
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-3MHz-64QAM-23025-15RB#0-2.691**



Date: 1.JUN.2020 07:54:04

**Band12-3MHz-64QAM-23095-15RB#0-2.691**

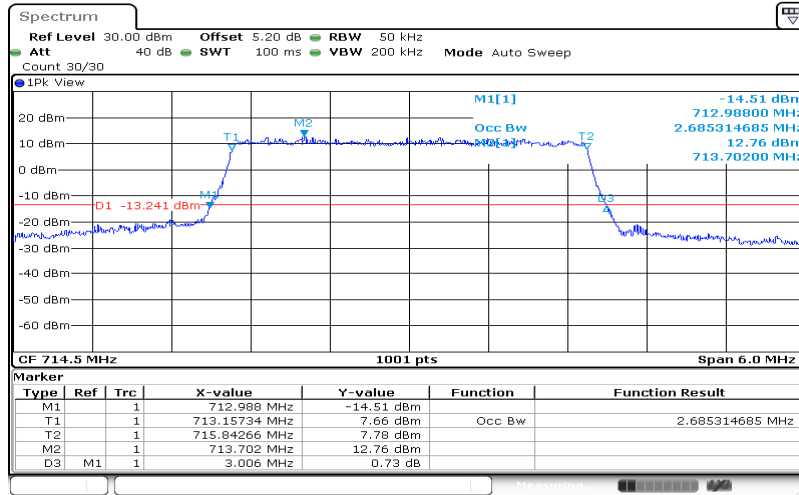


Date: 1.JUN.2020 07:54:17



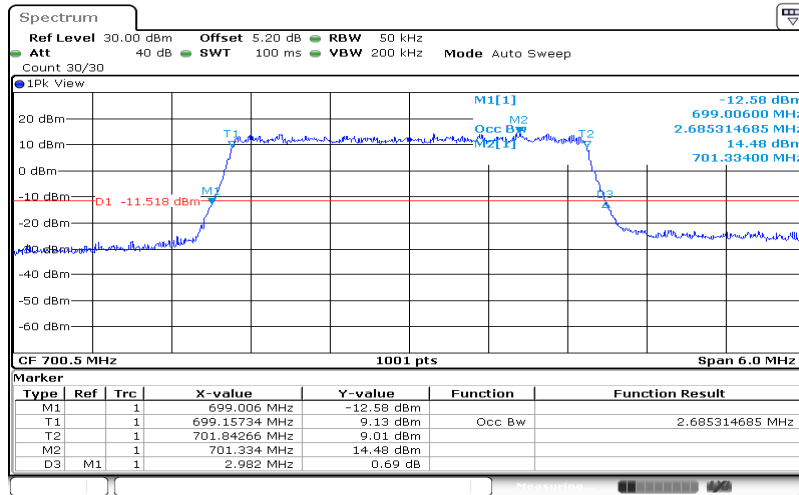
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-3MHz-64QAM-23165-15RB#0-2.685**



Date: 1.JUN 2020 07:54:30

**Band12-3MHz-16QAM-23025-15RB#0-2.685**



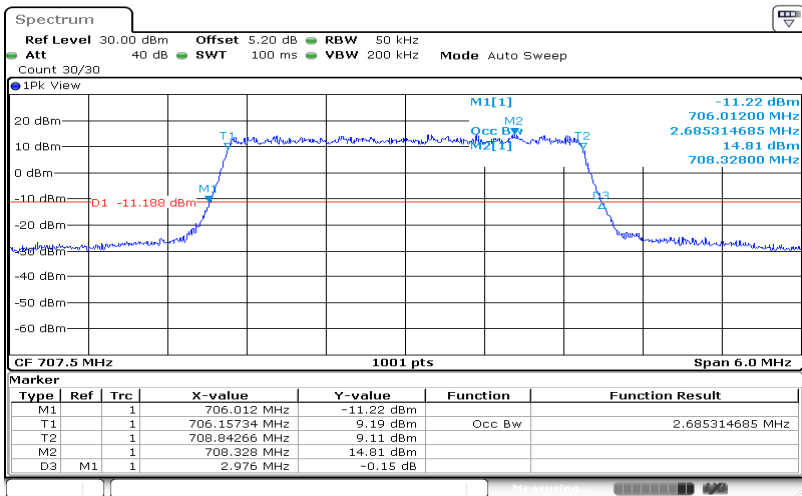
Date: 29.MAY.2020 12:38:54



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.

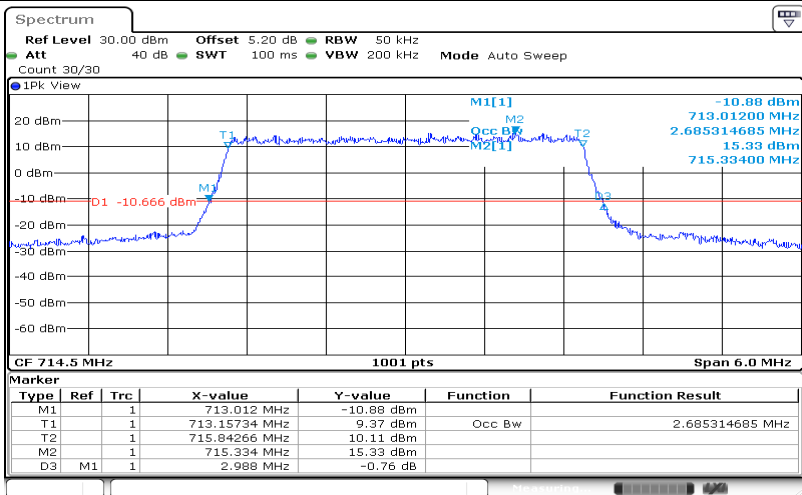


**Band12-3MHz-16QAM-23095-15RB#0-2.685**



Date: 29.MAY.2020 12:39:20

**Band12-3MHz-16QAM-23165-15RB#0-2.685**

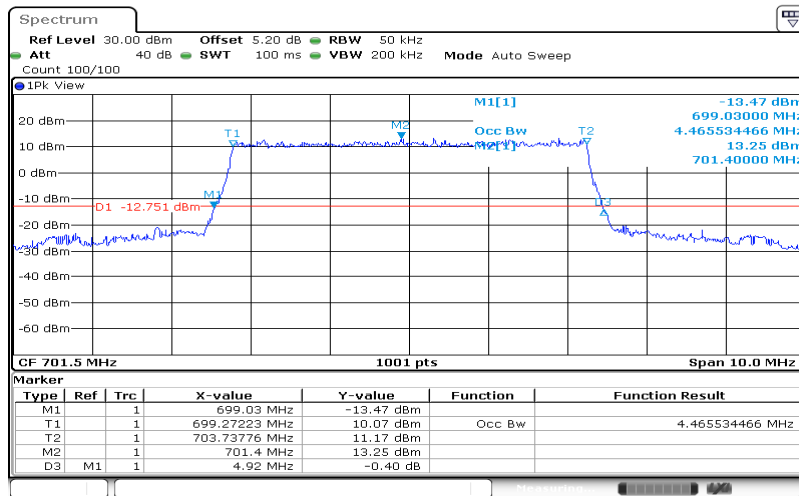


Date: 29.MAY.2020 12:39:46



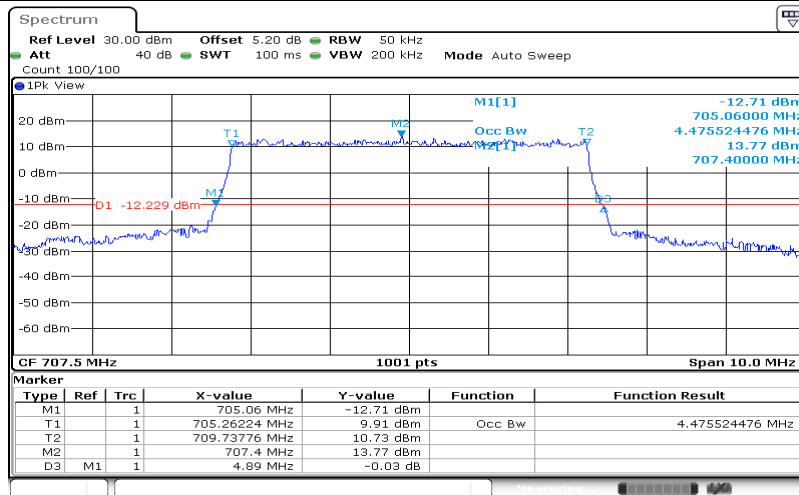
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-QPSK-23035-25RB#0-4.466**



Date: 29.MAY.2020 12:40:10

**Band12-5MHz-QPSK-23095-25RB#0-4.476**



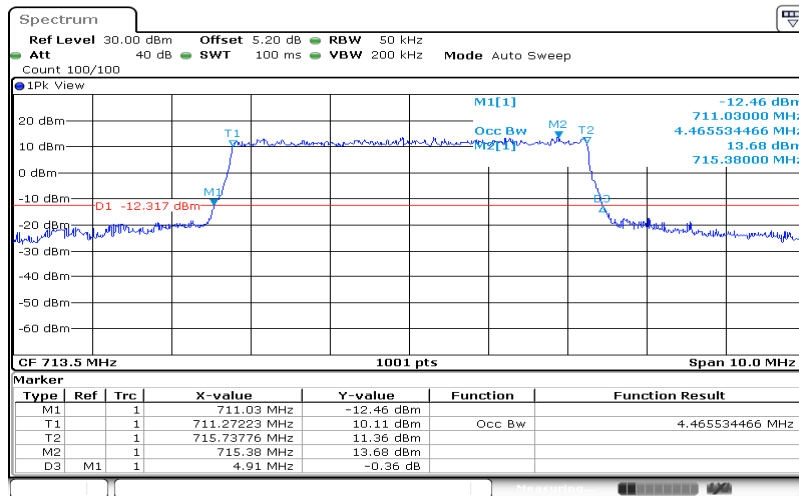
Date: 29.MAY.2020 12:40:50



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.

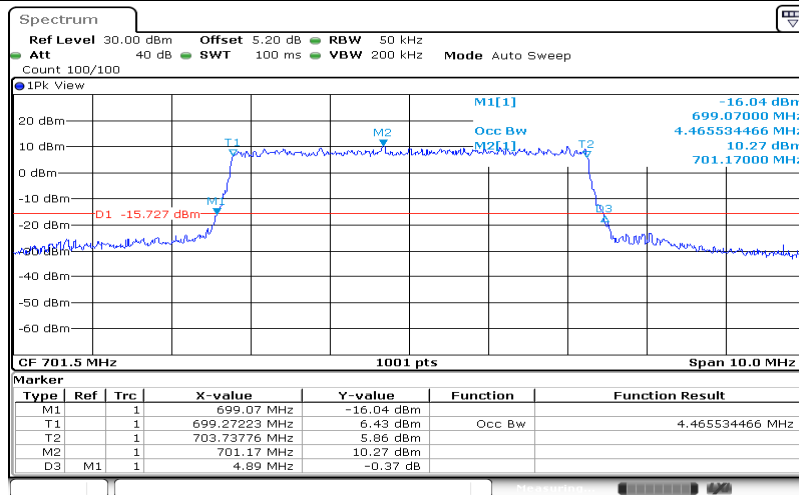
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band12-5MHz-QPSK-23155-25RB#0-4.466**



Date: 29.MAY.2020 12:41:30

**Band12-5MHz-64QAM-23035-25RB#0-4.466**



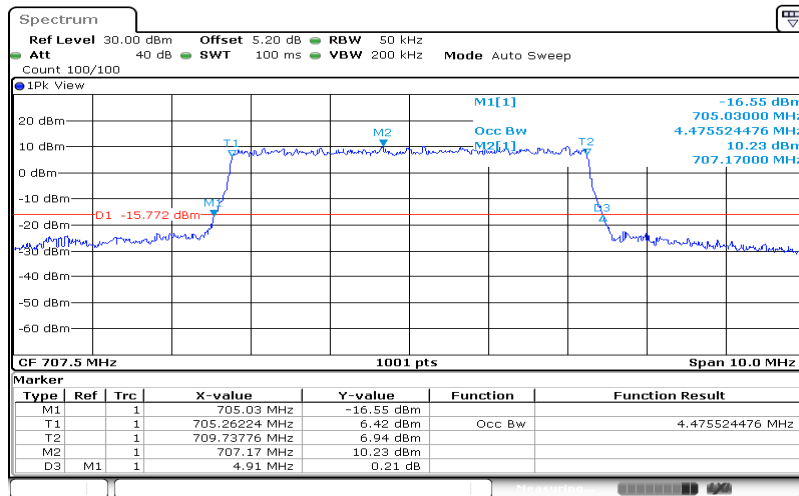
Date: 1.JUN.2020 07:54:57



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.

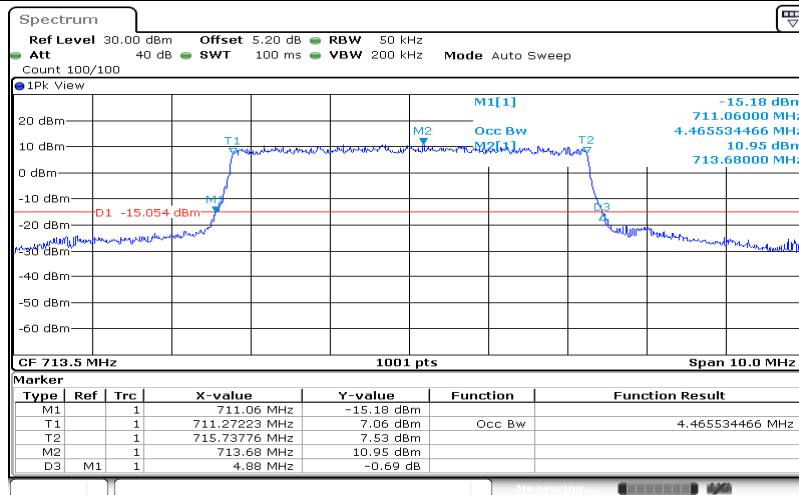


Band12-5MHz-64QAM-23095-25RB#0-4.476



Date: 1.JUN 2020 07:55:17

Band12-5MHz-64QAM-23155-25RB#0-4.466



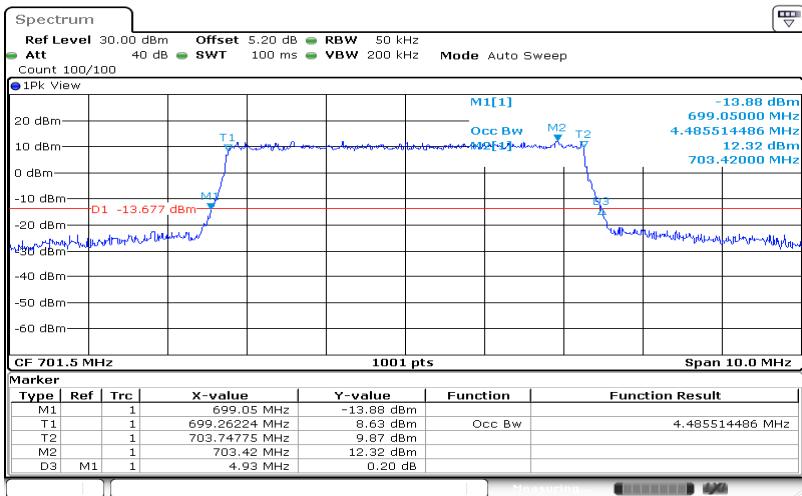
Date: 1.JUN 2020 07:55:37



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.

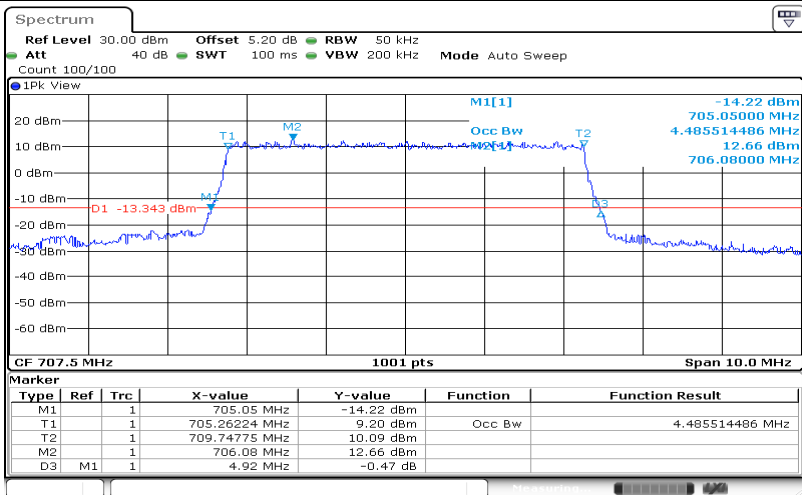


**Band12-5MHz-16QAM-23035-25RB#0-4.486**



Date: 29.MAY.2020 12:40:30

**Band12-5MHz-16QAM-23095-25RB#0-4.486**



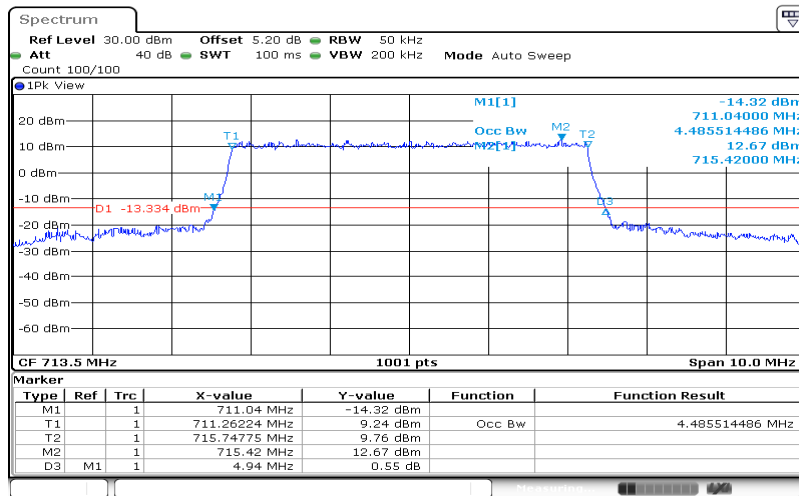
Date: 29.MAY.2020 12:41:10



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.

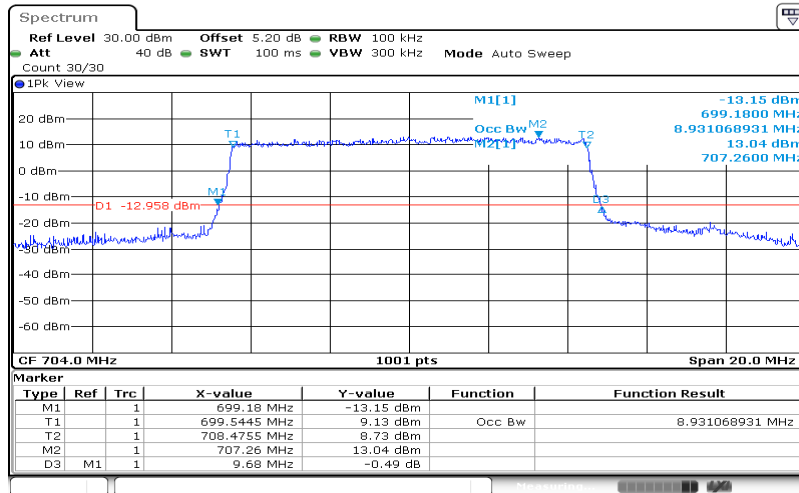
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band12-5MHz-16QAM-23155-25RB#0-4.486**



Date: 29.MAY.2020 12:41:49

**Band12-10MHz-QPSK-23060-50RB#0-8.931**

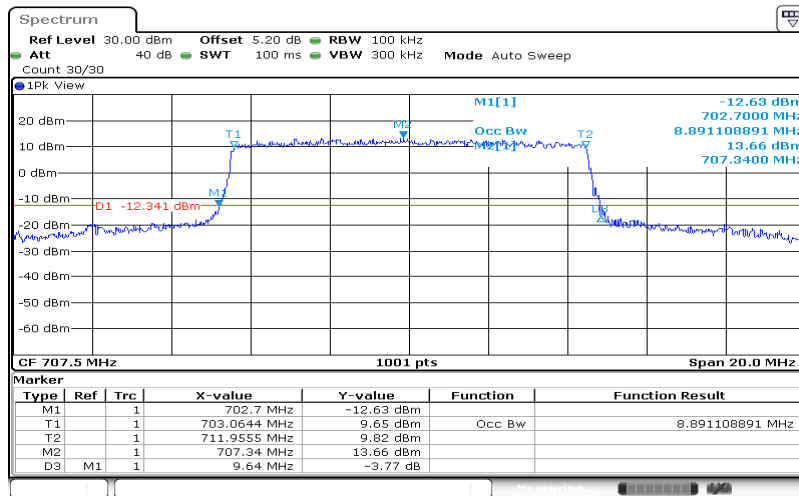


Date: 29.MAY.2020 12:42:07



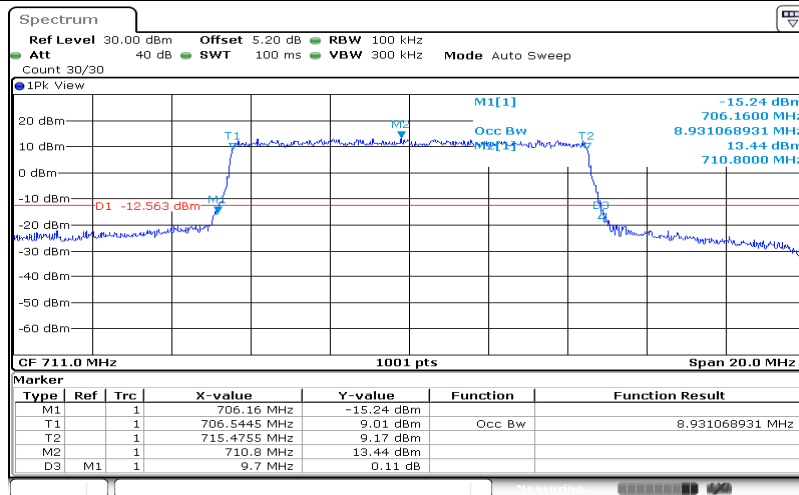
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-QPSK-23095-50RB#0-8.891**



Date: 29.MAY.2020 12:42:32

**Band12-10MHz-QPSK-23130-50RB#0-8.931**

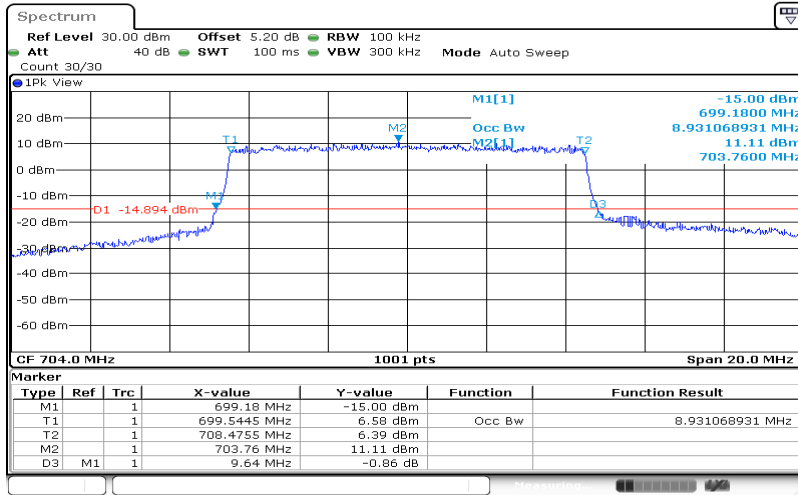


Date: 29.MAY.2020 12:42:58



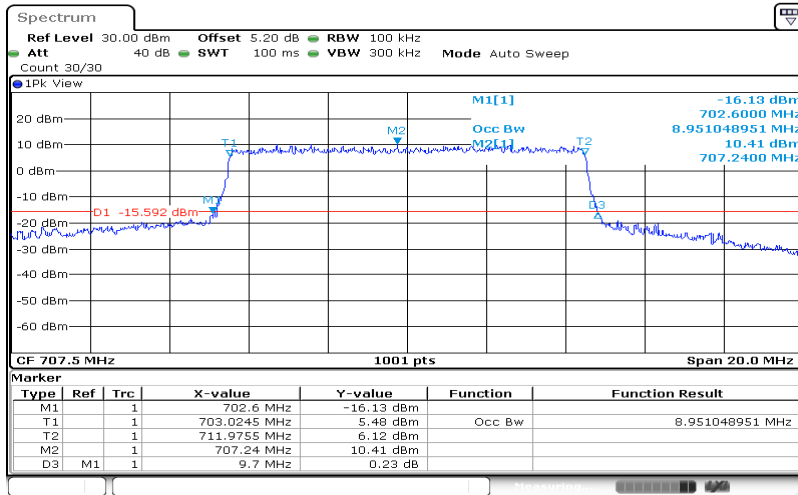
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-64QAM-23060-50RB#0-8.931**



Date: 1.JUN 2020 07:55:56

**Band12-10MHz-64QAM-23095-50RB#0-8.951**



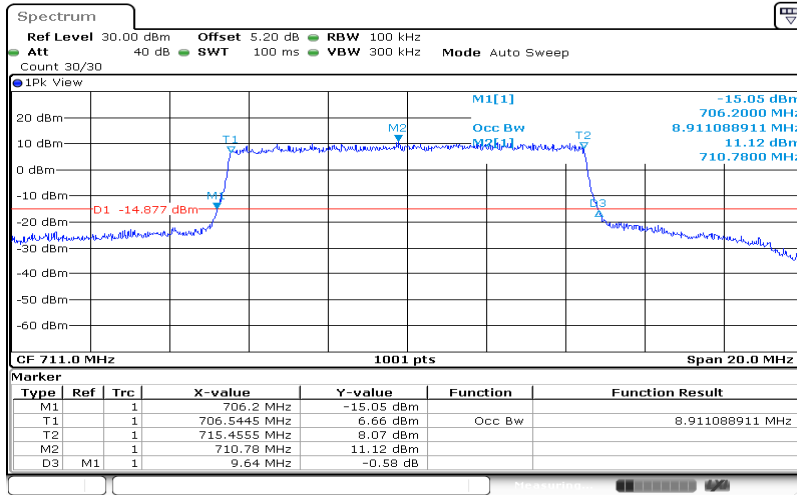
Date: 1.JUN 2020 07:56:09



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](mailto:CN.Doccheck@sgs.com)

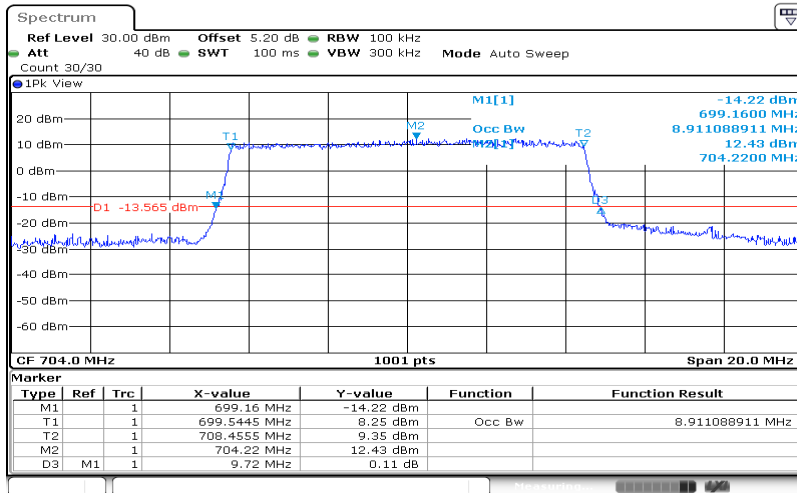


Band12-10MHz-64QAM-23130-50RB#0-8.911



Date: 1 JUN 2020 07:56:22

Band12-10MHz-16QAM-23060-50RB#0-8.911

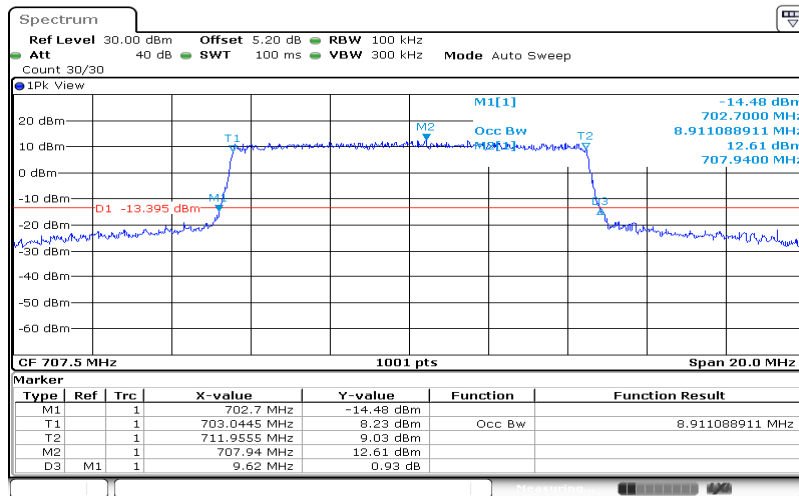


Date: 29 MAY 2020 12:42:19



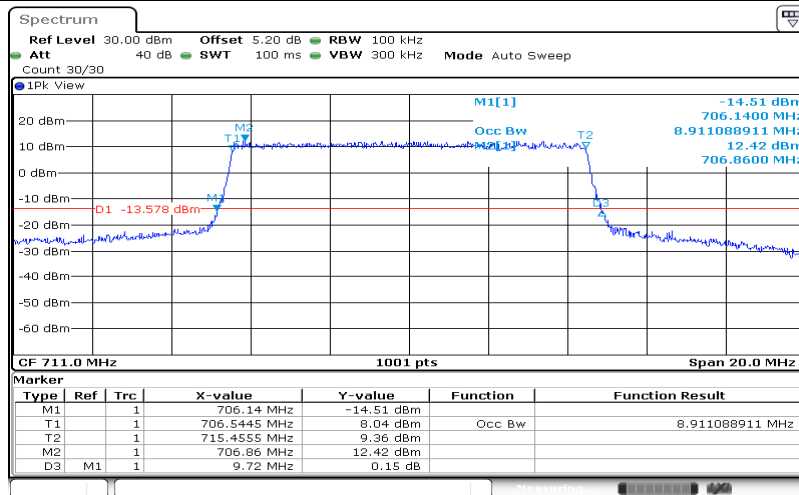
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23095-50RB#0-8.911



Date: 29.MAY.2020 12:42:45

Band12-10MHz-16QAM-23130-50RB#0-8.911



Date: 29.MAY.2020 12:43:11

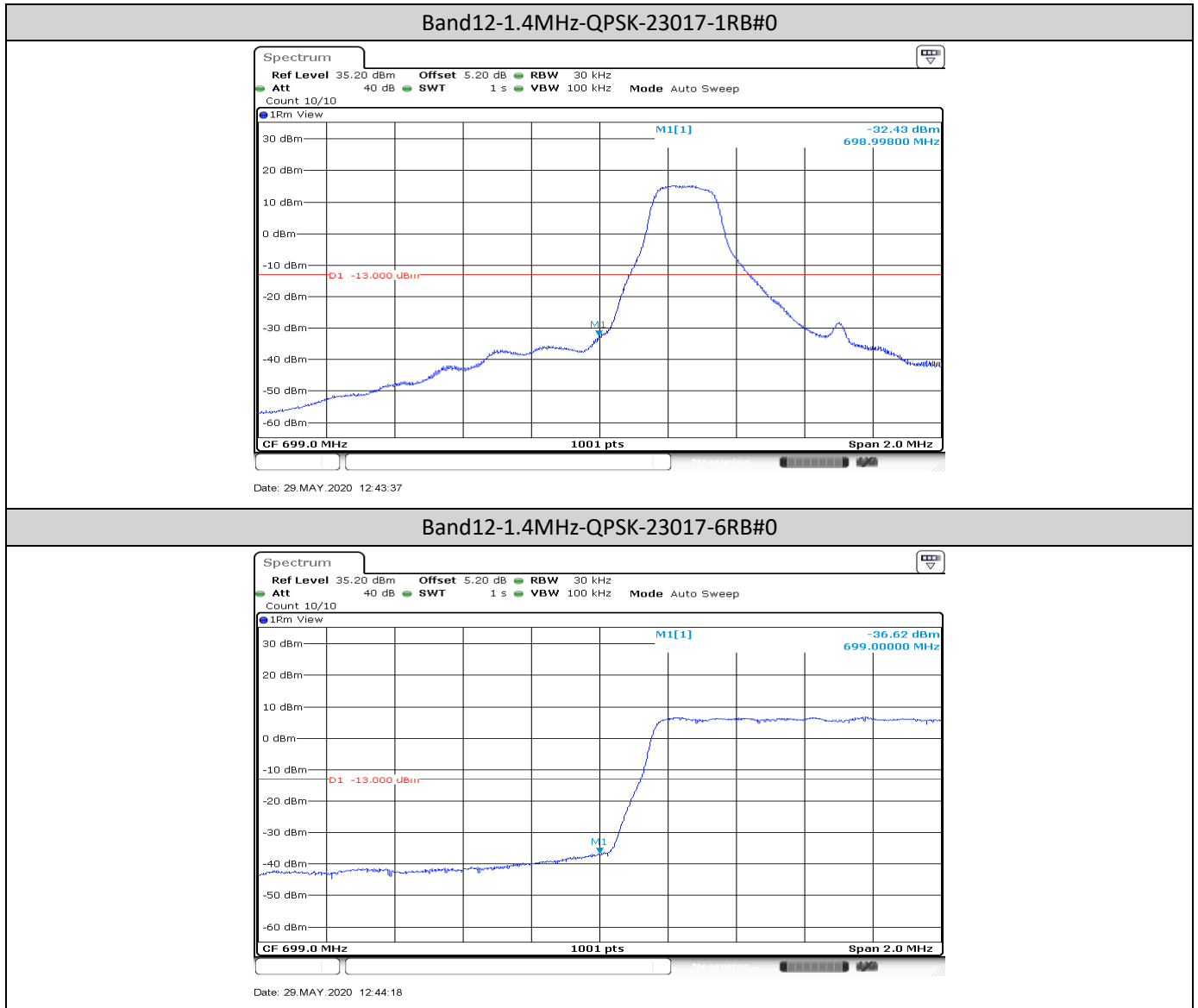


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

## 5. Band Edge Compliance

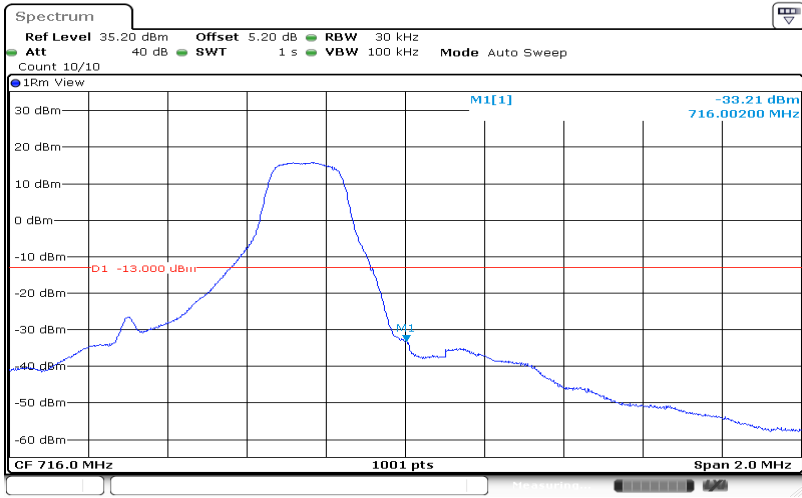
### 5.1. Test Plots



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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

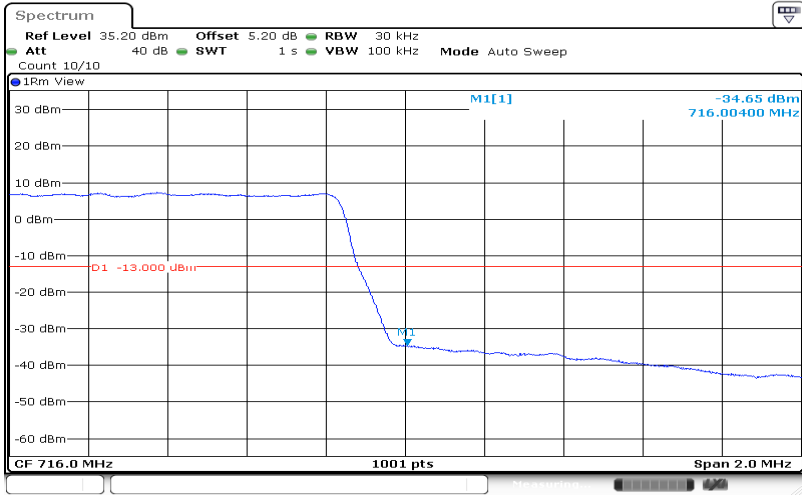


Band12-1.4MHz-QPSK-23173-1RB#5



Date: 29.MAY.2020 12:45:03

Band12-1.4MHz-QPSK-23173-6RB#0



Date: 29.MAY.2020 12:45:44

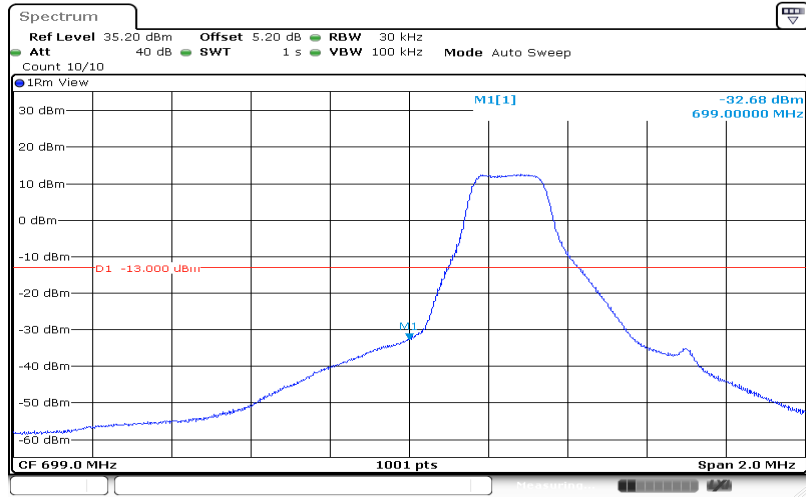


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

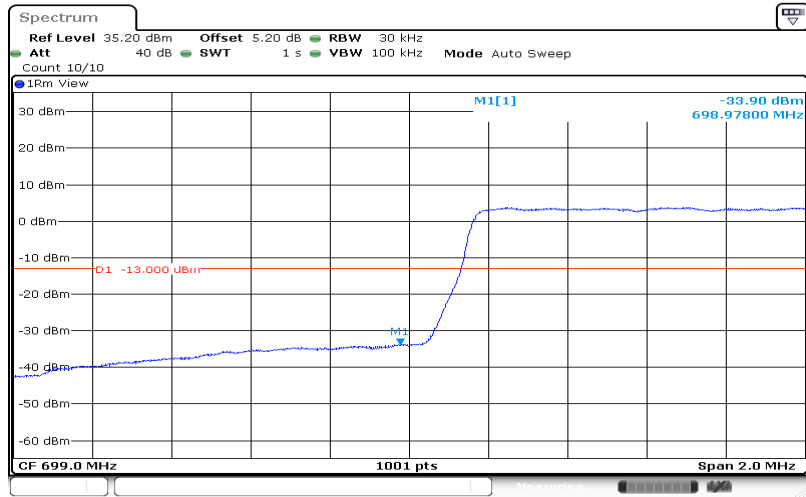


**Band12-1.4MHz-64QAM-23017-1RB#0**



Date: 1.JUN.2020 07:56:50

**Band12-1.4MHz-64QAM-23017-6RB#0**

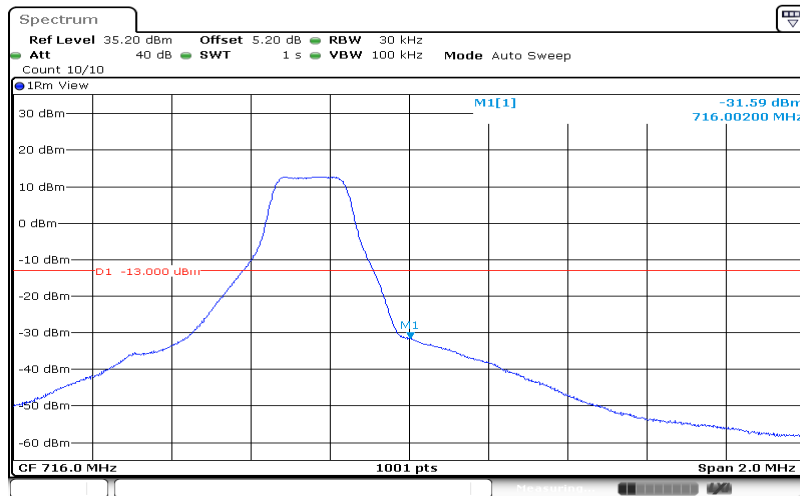


Date: 1.JUN.2020 07:57:11



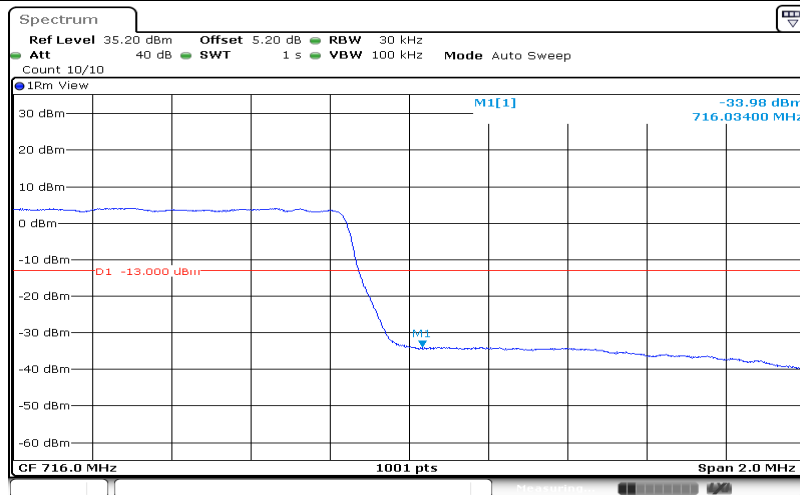
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-1.4MHz-64QAM-23173-1RB#5**



Date: 1.JUN.2020 07:57:37

**Band12-1.4MHz-64QAM-23173-6RB#0**



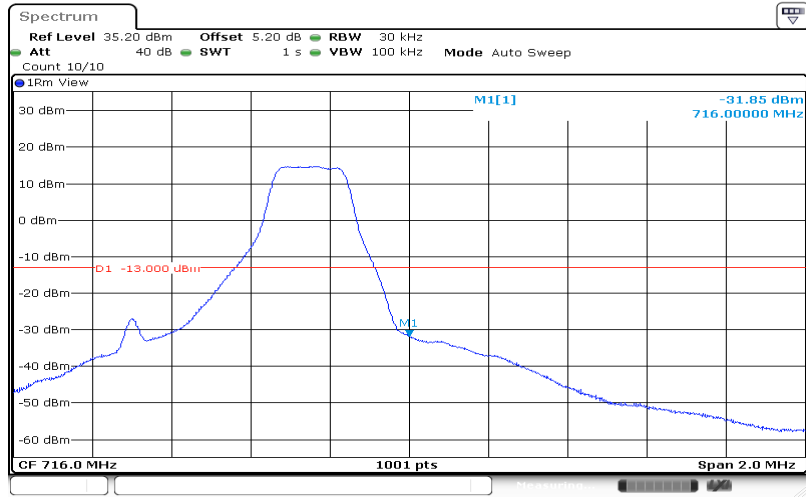
Date: 1.JUN.2020 07:57:57



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](mailto:CN.Doccheck@sgs.com)

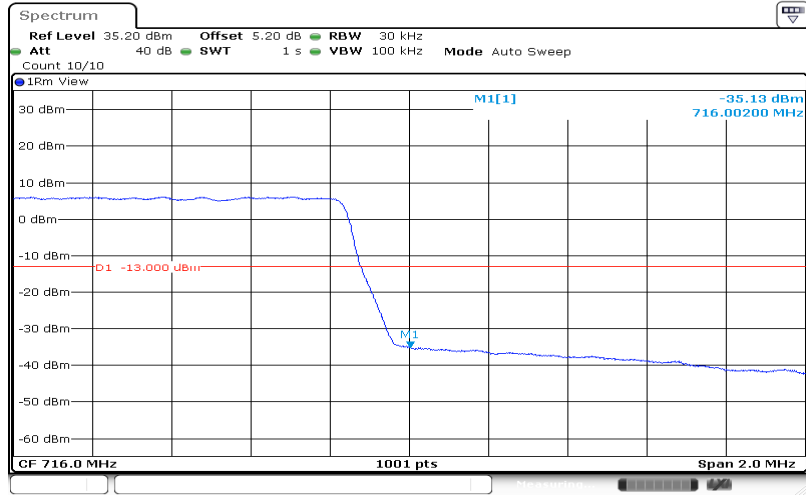


**Band12-1.4MHz-16QAM-23173-1RB#5**



Date: 29.MAY.2020 12:45:23

**Band12-1.4MHz-16QAM-23173-6RB#0**



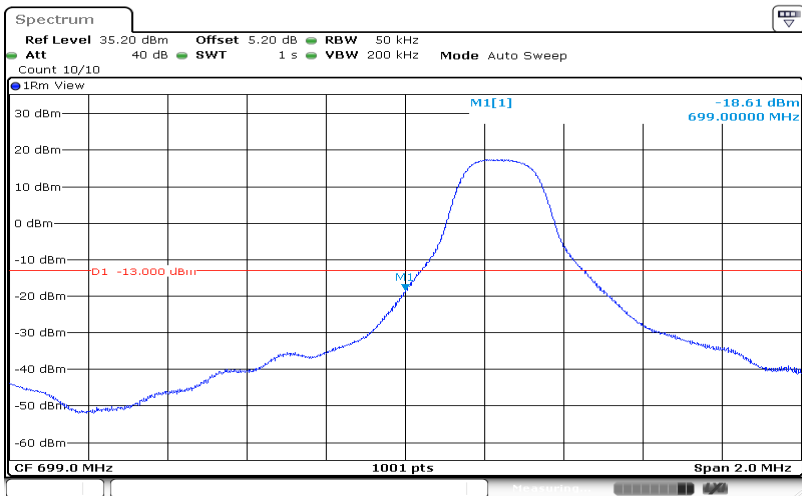
Date: 29.MAY.2020 12:46:04



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](mailto:CN.Doccheck@sgs.com)

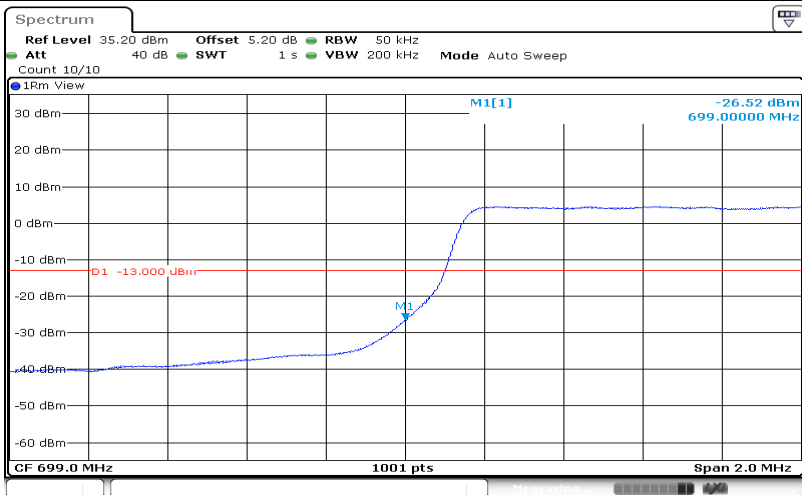


**Band12-3MHz-QPSK-23025-1RB#0**



Date: 29.MAY.2020 12:46:30

**Band12-3MHz-QPSK-23025-15RB#0**

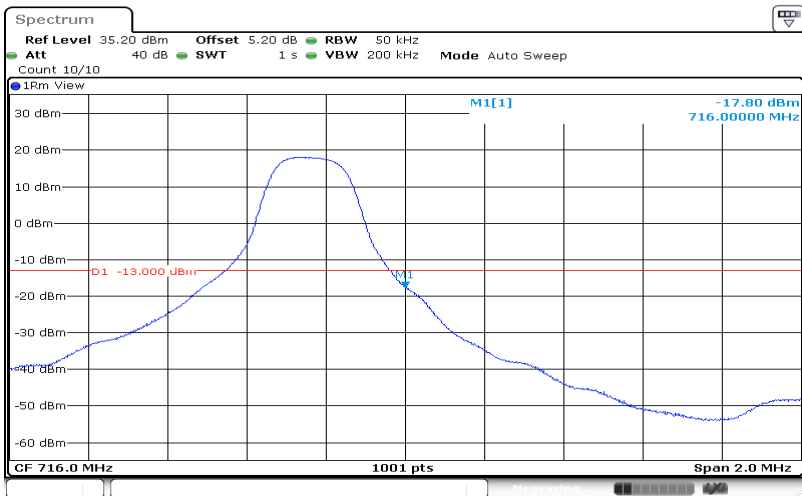


Date: 29.MAY.2020 12:47:11



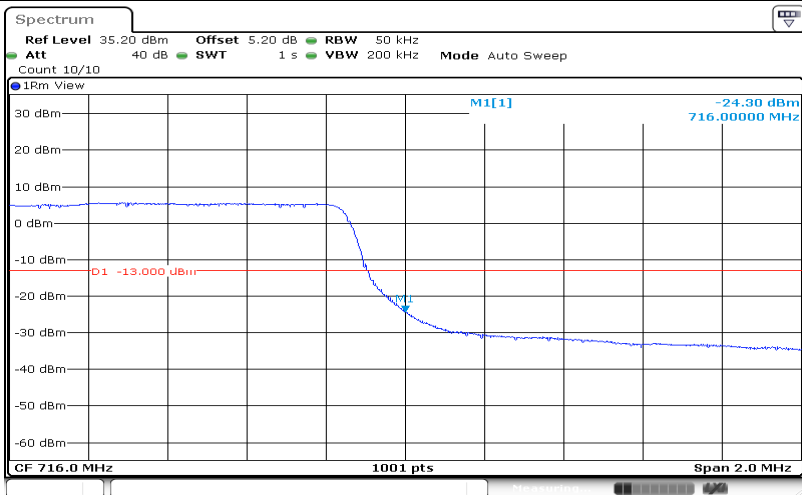
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-3MHz-QPSK-23165-1RB#14**



Date: 29.MAY.2020 12:47:57

**Band12-3MHz-QPSK-23165-15RB#0**

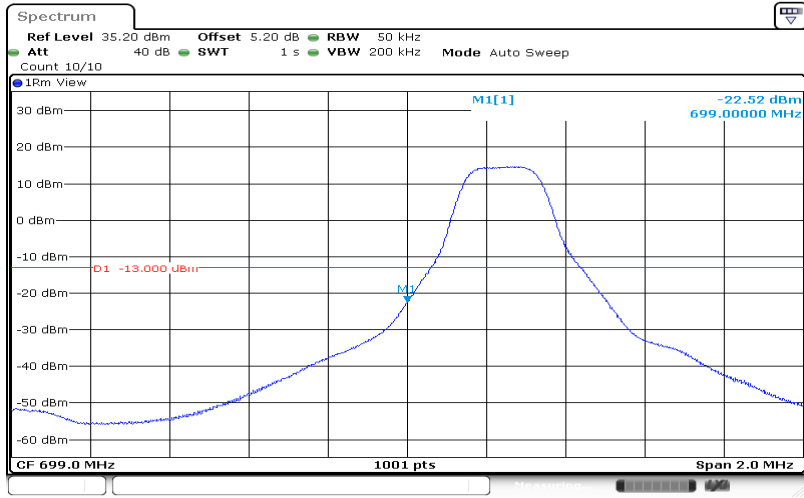


Date: 29.MAY.2020 12:48:38



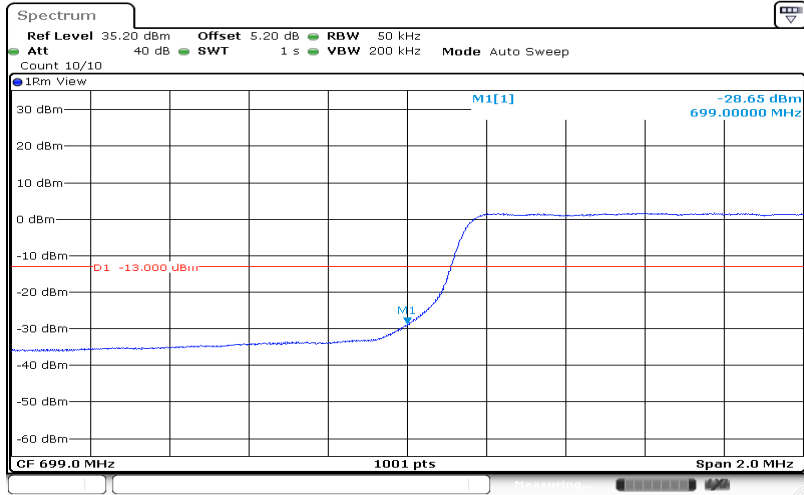
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-3MHz-64QAM-23025-1RB#0**



Date: 1.JUN.2020 07:58:25

**Band12-3MHz-64QAM-23025-15RB#0**



Date: 1.JUN.2020 07:58:45

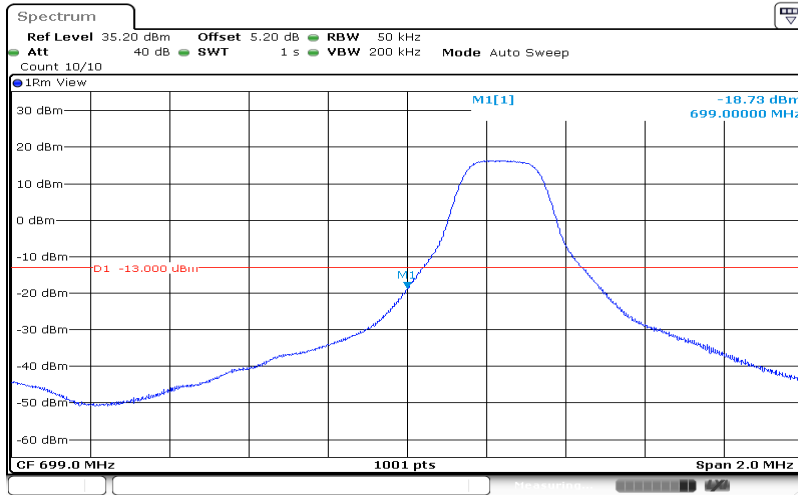


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



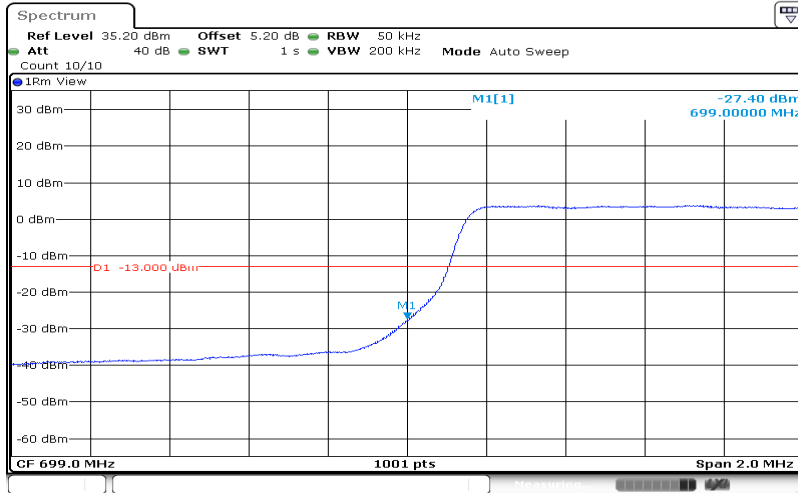


Band12-3MHz-16QAM-23025-1RB#0



Date: 29.MAY.2020 12:46:51

Band12-3MHz-16QAM-23025-15RB#0



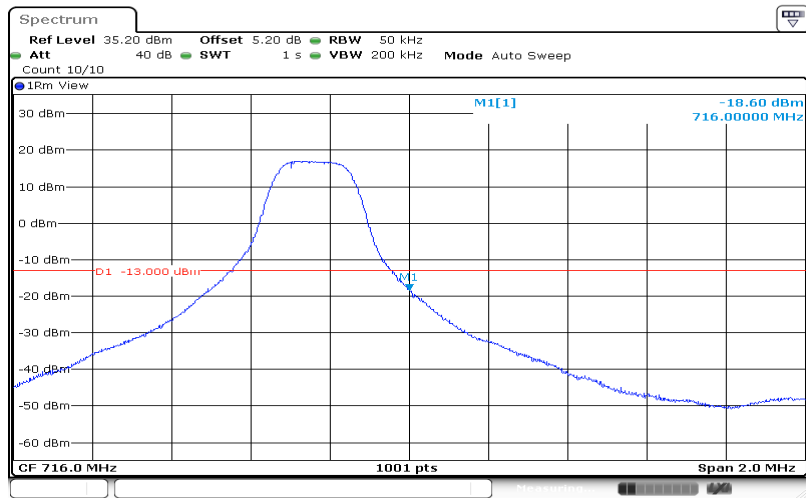
Date: 29.MAY.2020 12:47:32



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.

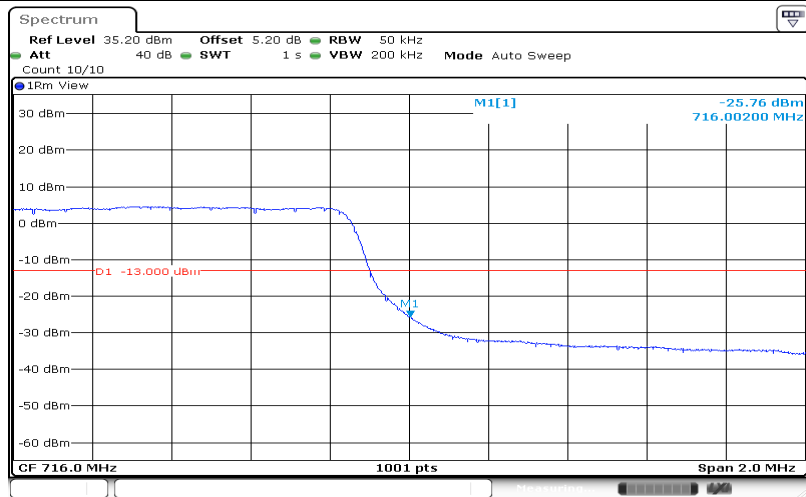
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band12-3MHz-16QAM-23165-1RB#14**



Date: 29.MAY.2020 12:48:17

**Band12-3MHz-16QAM-23165-15RB#0**

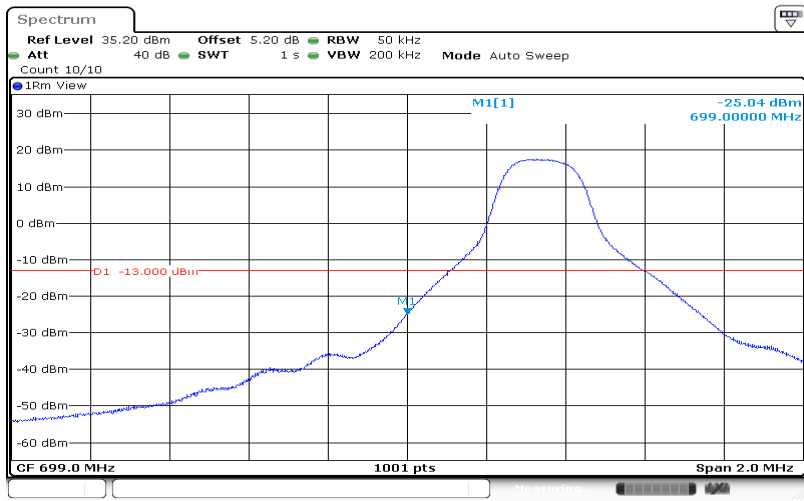


Date: 29.MAY.2020 12:48:58



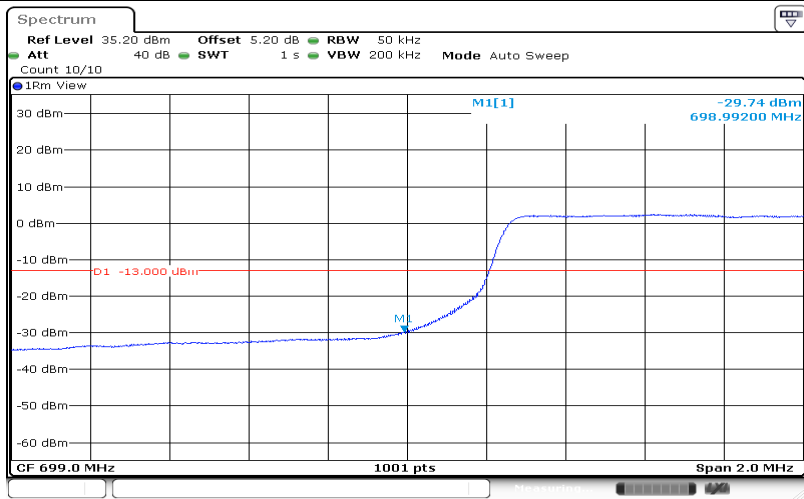
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-QPSK-23035-1RB#0**



Date: 29.MAY.2020 12:49:24

**Band12-5MHz-QPSK-23035-25RB#0**

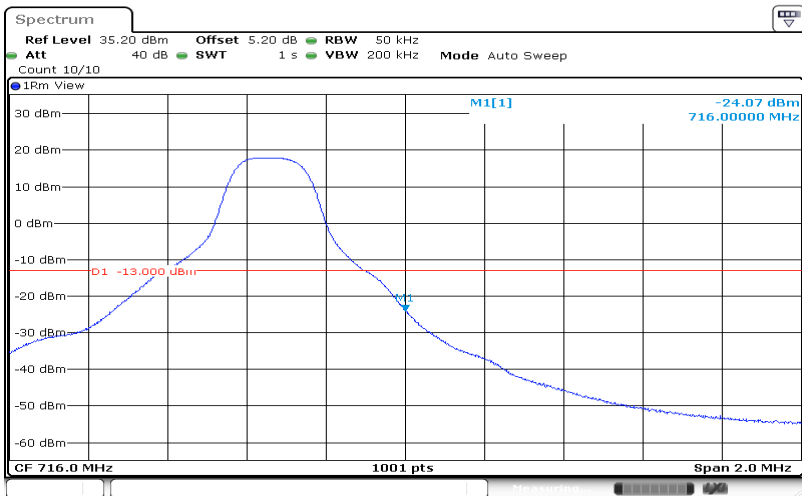


Date: 29.MAY.2020 12:50:05



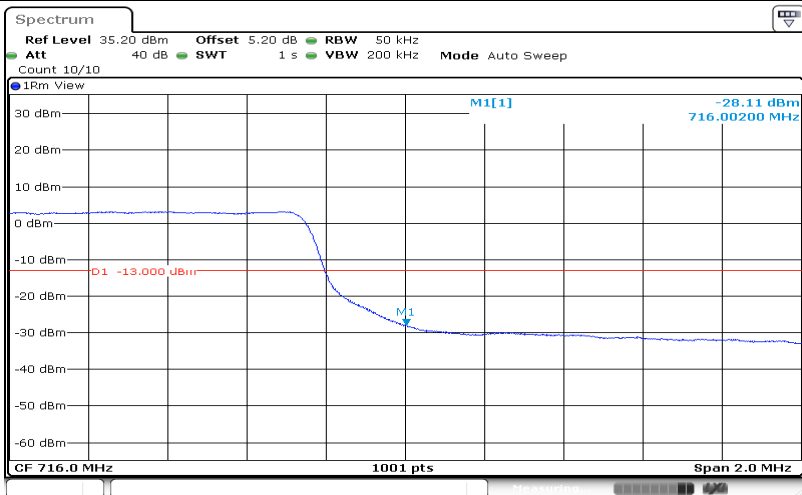
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-QPSK-23155-1RB#24**



Date: 29.MAY.2020 12:50:50

**Band12-5MHz-QPSK-23155-25RB#0**



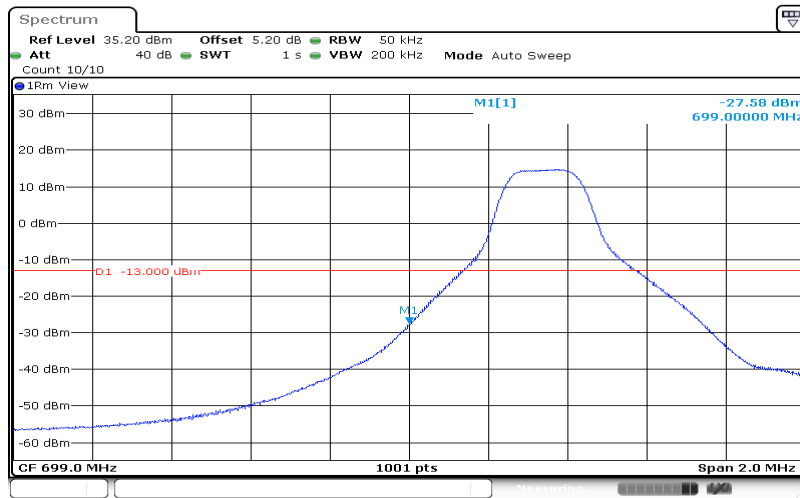
Date: 29.MAY.2020 12:51:32



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](mailto:CN.Doccheck@sgs.com)

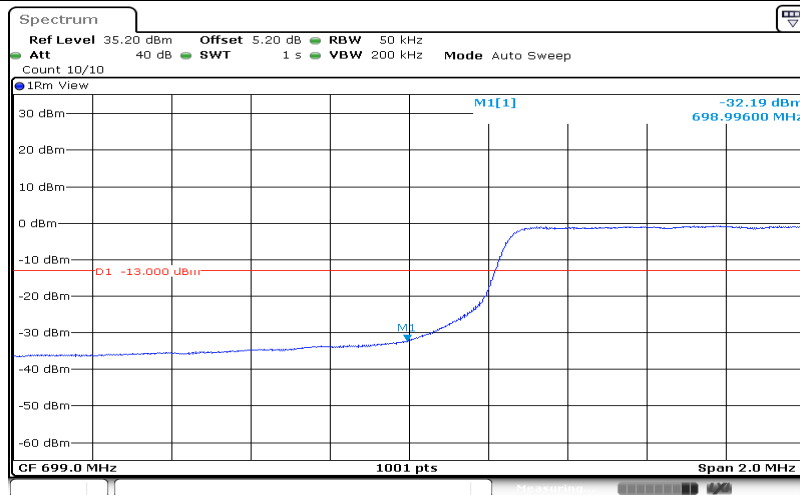


**Band12-5MHz-64QAM-23035-1RB#0**



Date: 1.JUN.2020 07:59:59

**Band12-5MHz-64QAM-23035-25RB#0**

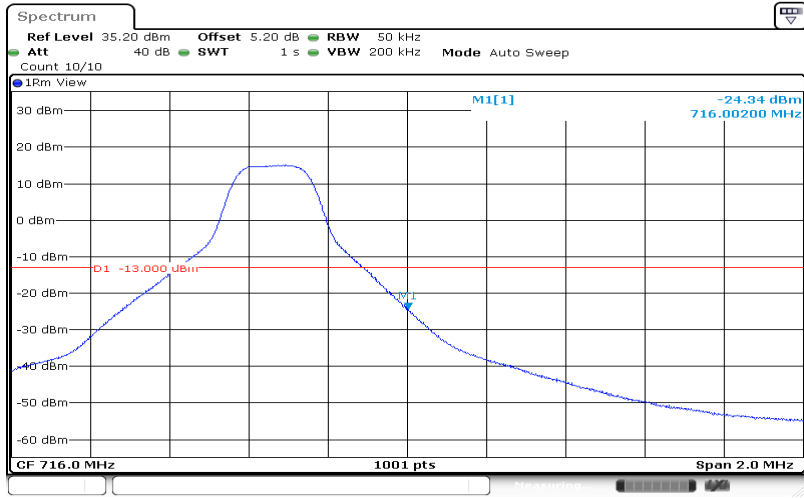


Date: 1.JUN.2020 08:00:20



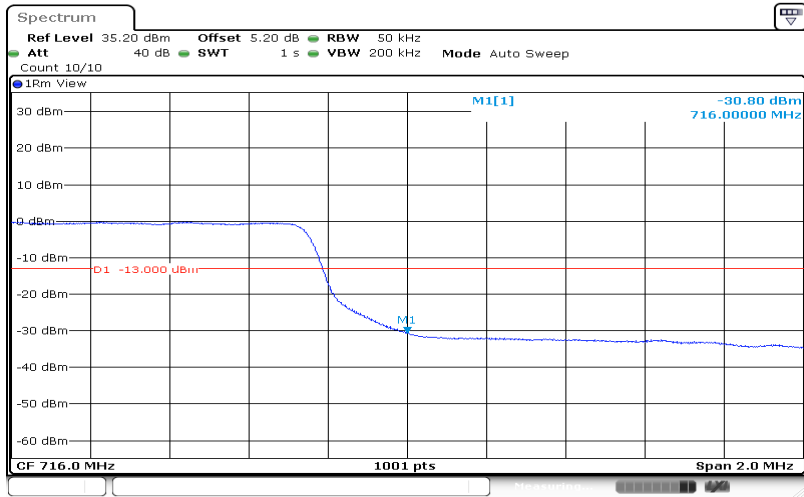
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-64QAM-23155-1RB#24**



Date: 1.JUN.2020 08:00:46

**Band12-5MHz-64QAM-23155-25RB#0**

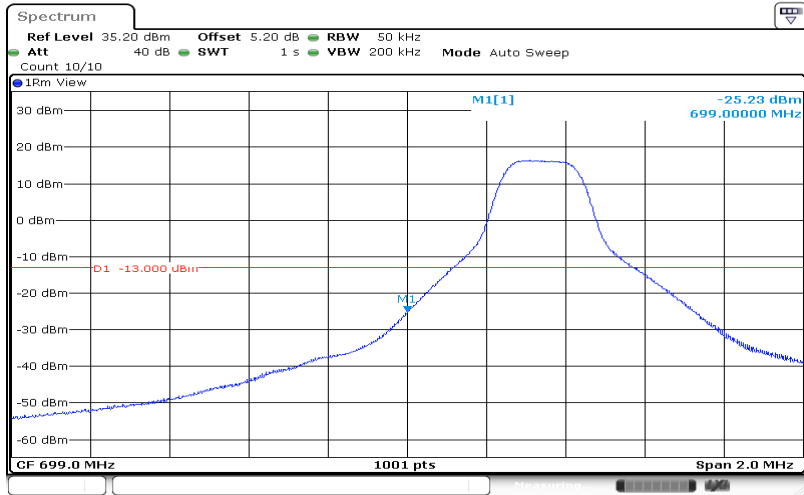


Date: 1.JUN.2020 08:01:06



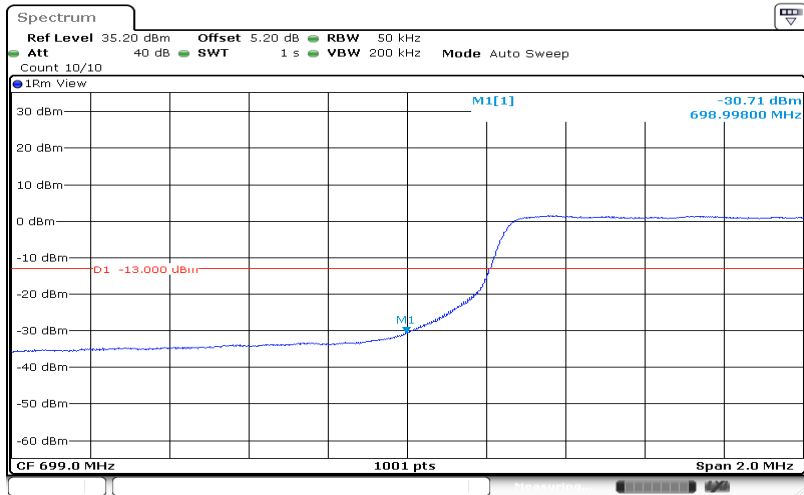
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-16QAM-23035-1RB#0**



Date: 29.MAY.2020 12:49:44

**Band12-5MHz-16QAM-23035-25RB#0**

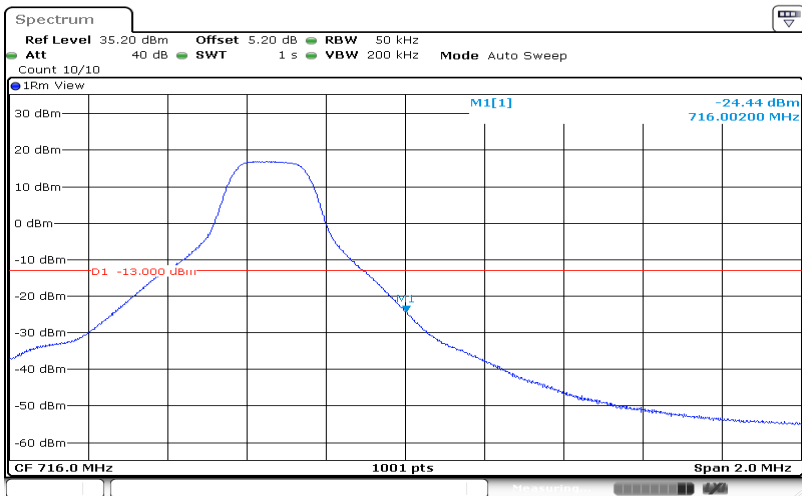


Date: 29.MAY.2020 12:50:25



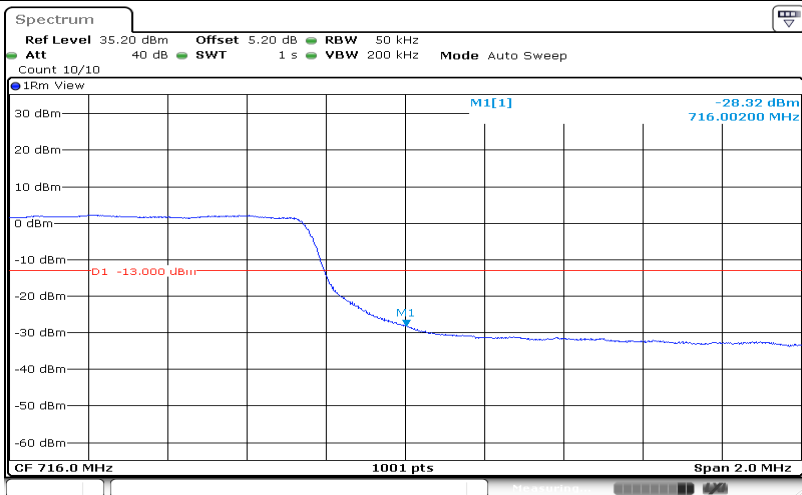
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-5MHz-16QAM-23155-1RB#24**



Date: 29.MAY.2020 12:51:11

**Band12-5MHz-16QAM-23155-25RB#0**



Date: 29.MAY.2020 12:51:52

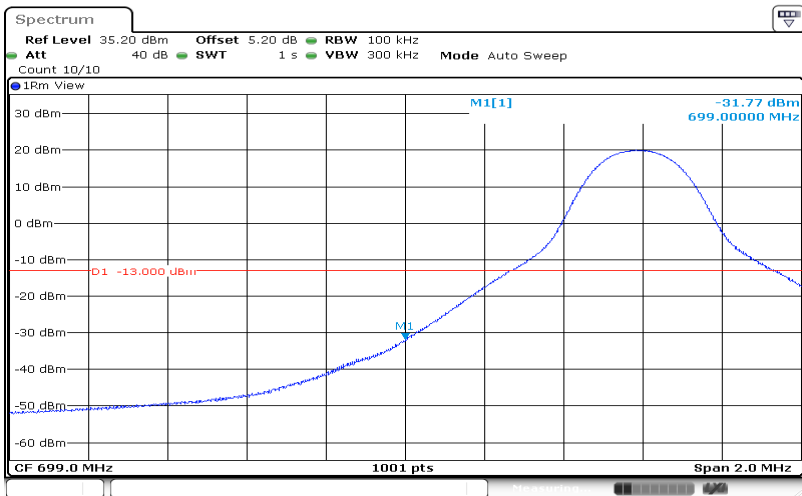


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



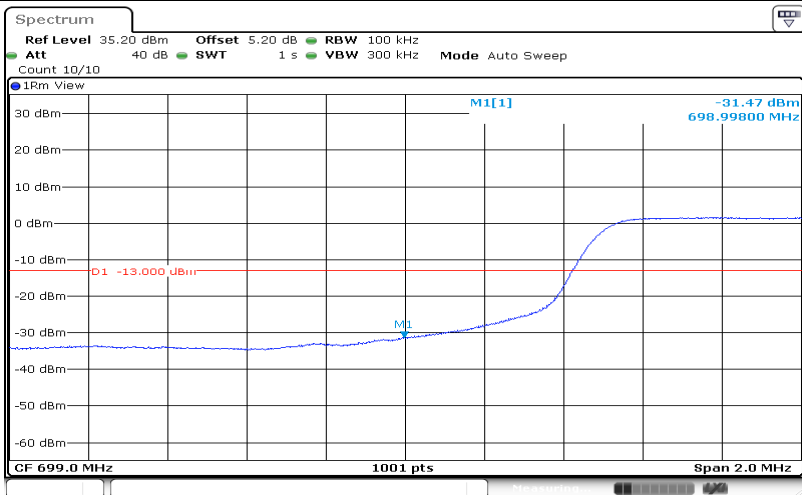


Band12-10MHz-QPSK-23060-1RB#0



Date: 29.MAY.2020 12:52:17

Band12-10MHz-QPSK-23060-50RB#0

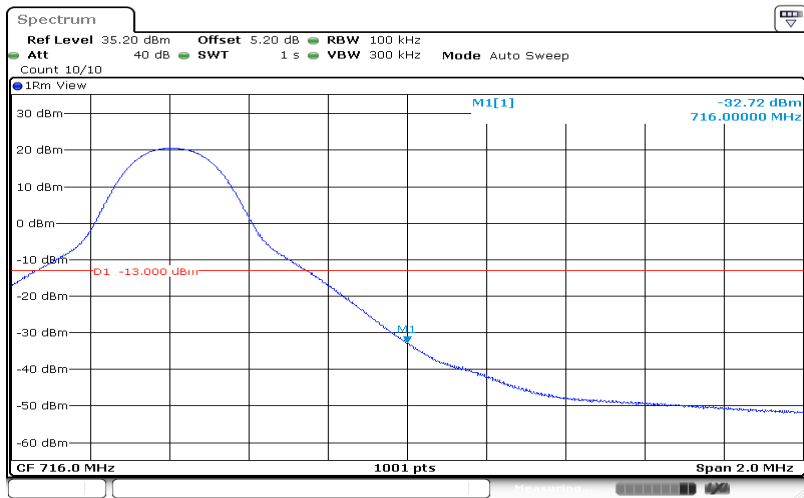


Date: 29.MAY.2020 12:52:58



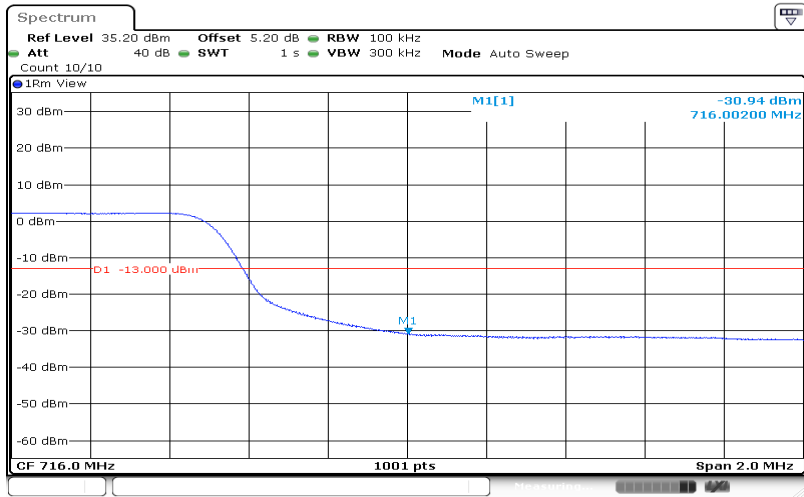
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-QPSK-23130-1RB#49**



Date: 29.MAY.2020 12:53:44

**Band12-10MHz-QPSK-23130-50RB#0**



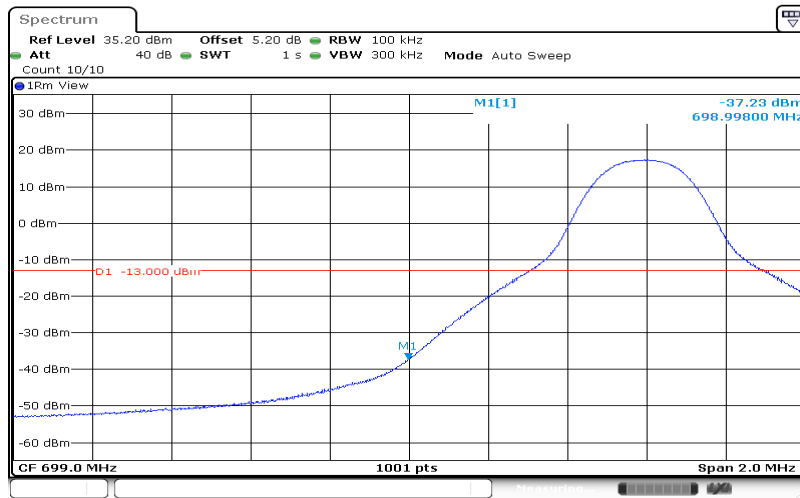
Date: 29.MAY.2020 12:54:25



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

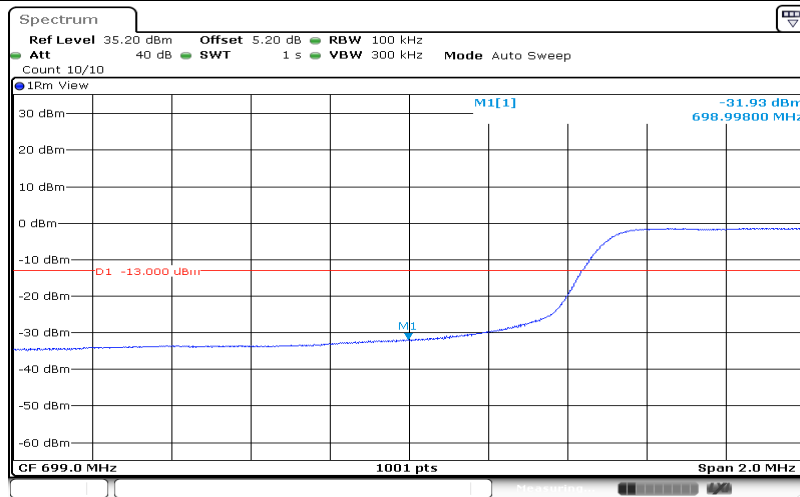
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

**Band12-10MHz-64QAM-23060-1RB#0**



Date: 1.JUN.2020 08:01:34

**Band12-10MHz-64QAM-23060-50RB#0**

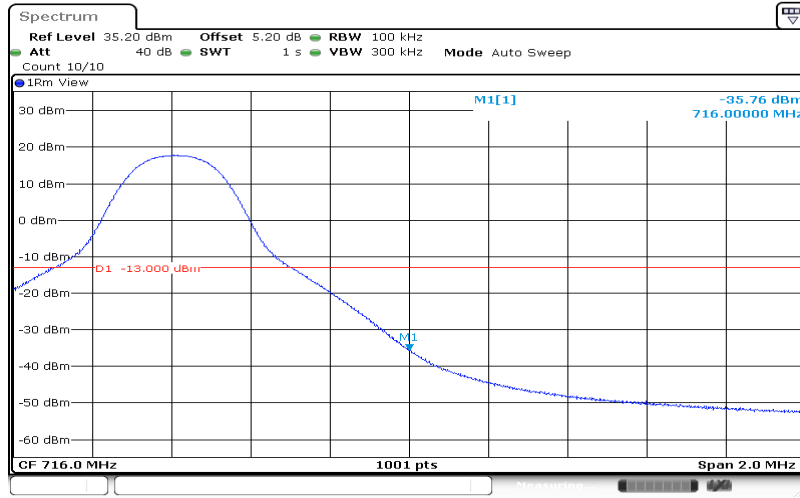


Date: 1.JUN.2020 08:01:54



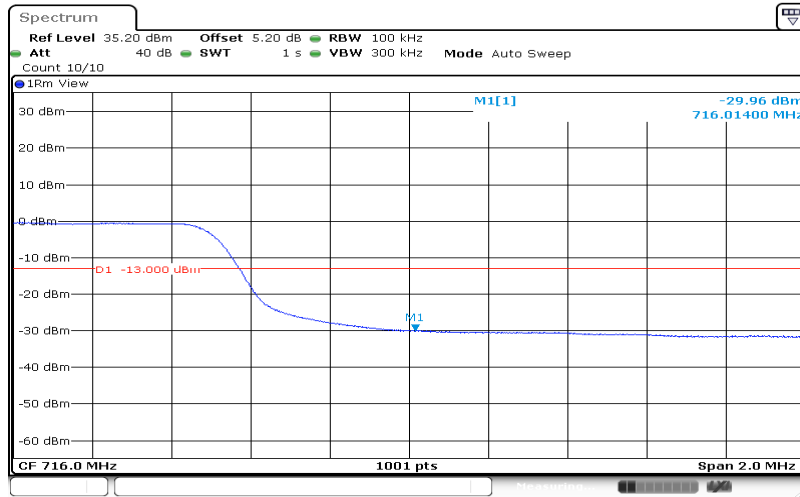
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-64QAM-23130-1RB#49



Date: 1.JUN.2020 08:02:20

Band12-10MHz-64QAM-23130-50RB#0



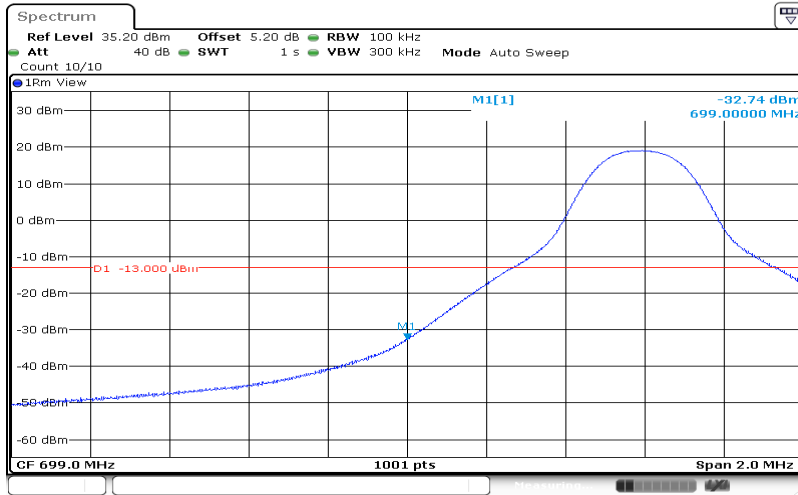
Date: 1.JUN.2020 08:02:41



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.

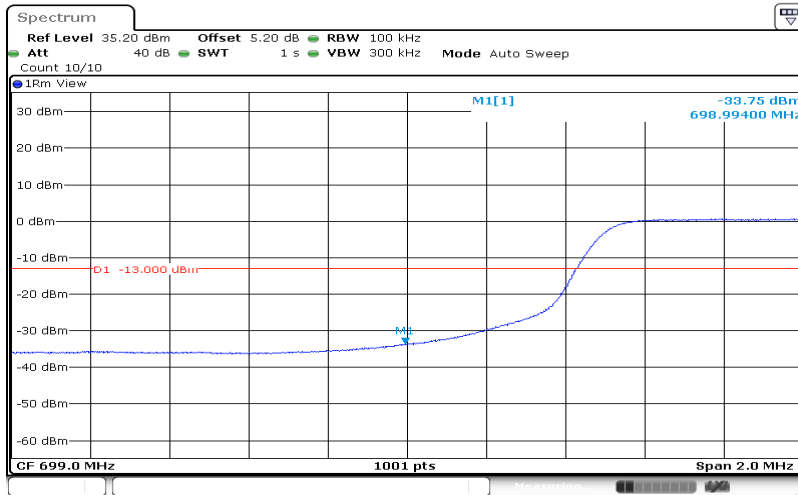


**Band12-10MHz-16QAM-23060-1RB#0**



Date: 29.MAY.2020 12:52:38

**Band12-10MHz-16QAM-23060-50RB#0**

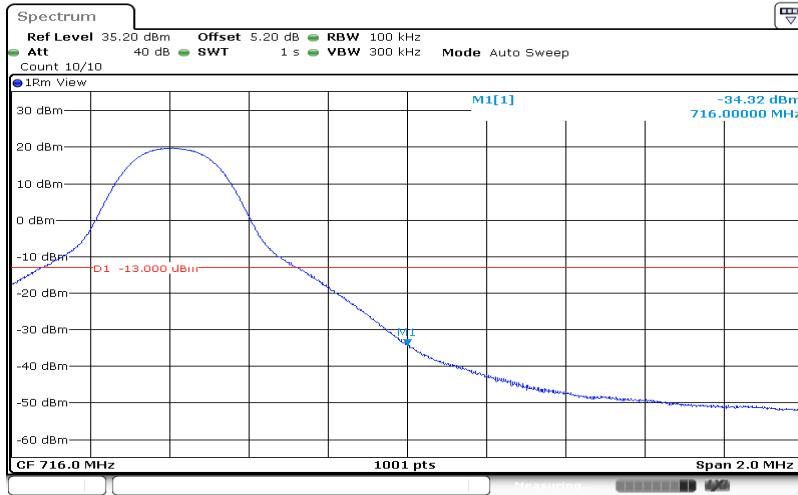


Date: 29.MAY.2020 12:53:19



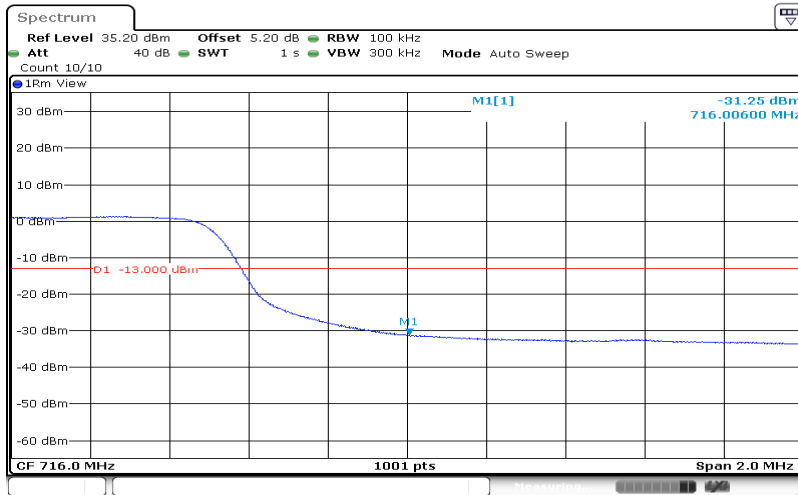
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

Band12-10MHz-16QAM-23130-1RB#49



Date: 29.MAY.2020 12:54:05

Band12-10MHz-16QAM-23130-50RB#0



Date: 29.MAY.2020 12:54:46



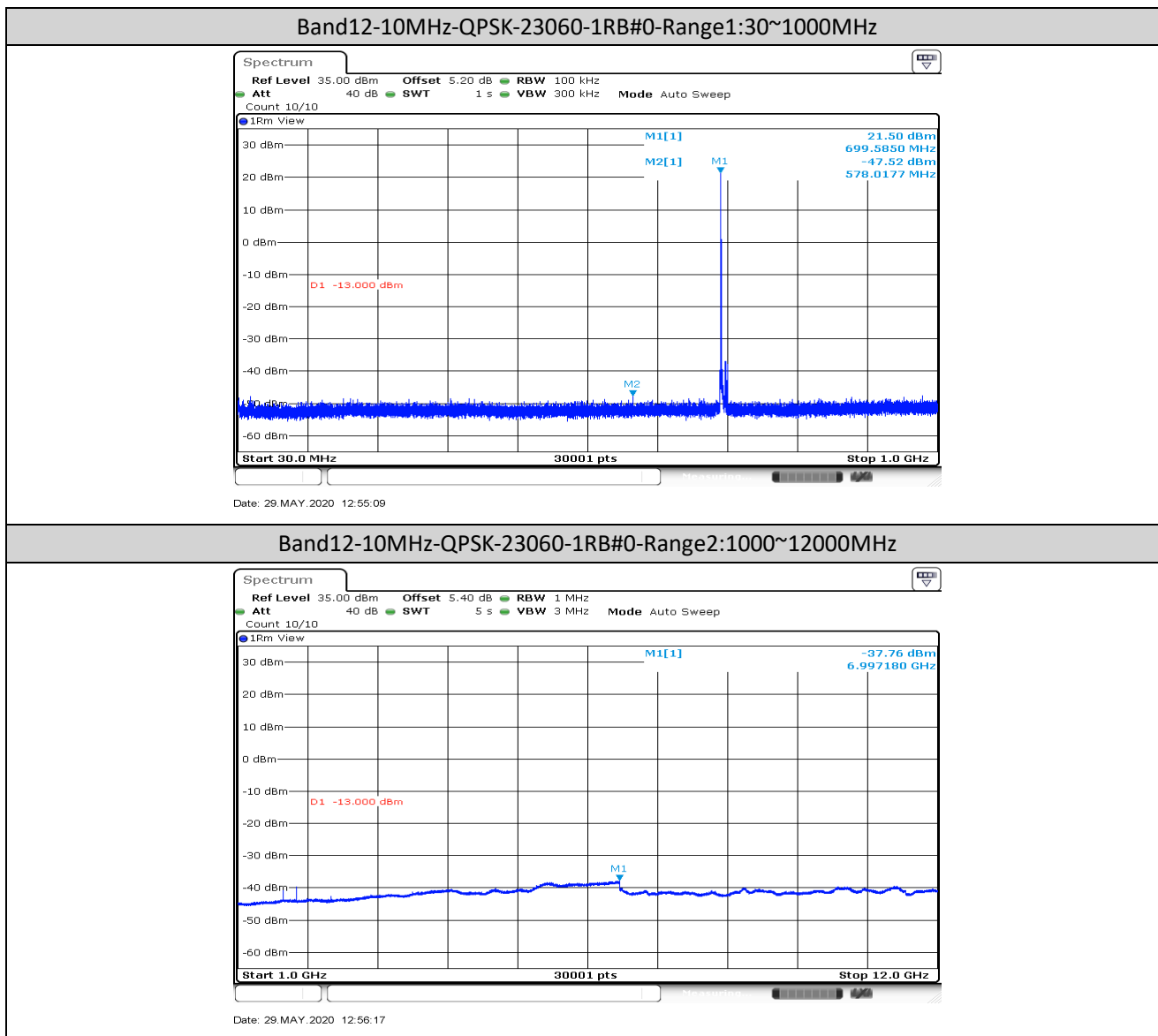
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

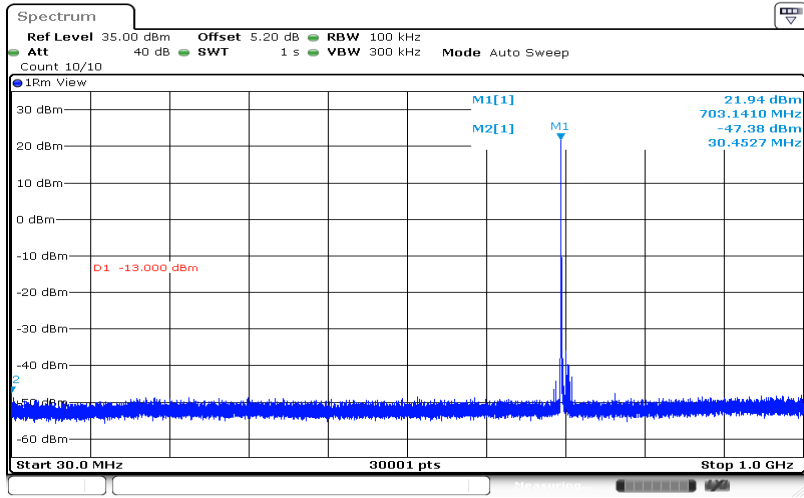
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



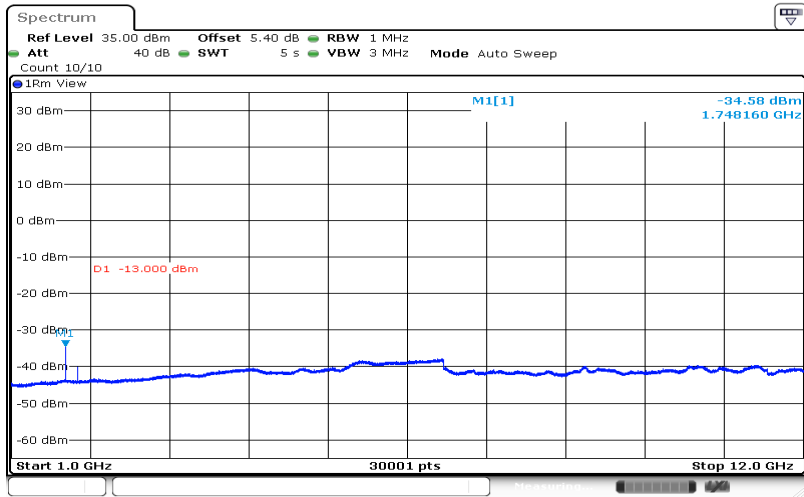
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-QPSK-23095-1RB#0-Range1:30~100MHz**



Date: 29.MAY.2020 12:58:04

**Band12-10MHz-QPSK-23095-1RB#0-Range2:100~12000MHz**

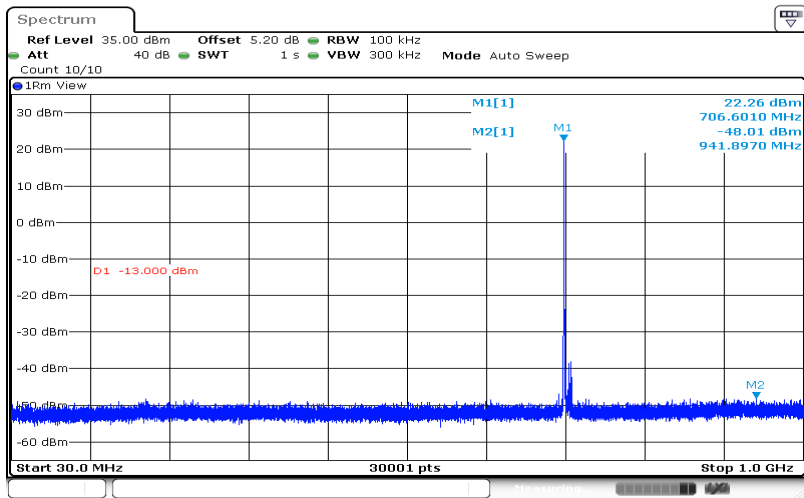


Date: 29.MAY.2020 12:59:11



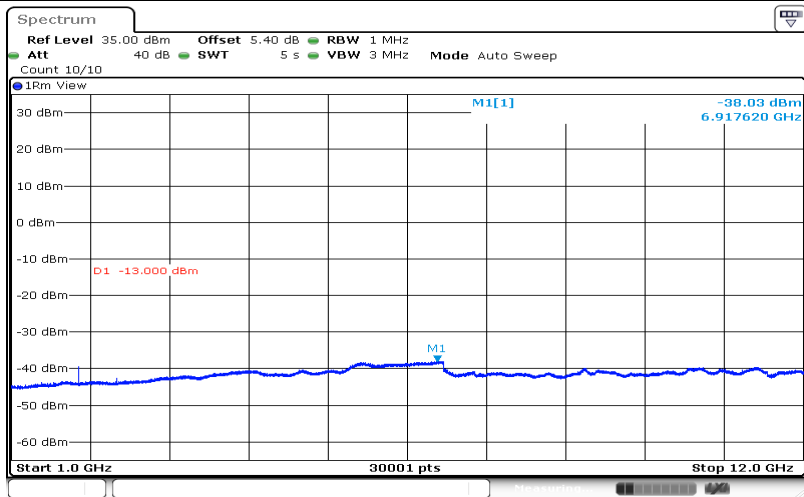
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-QPSK-23130-1RB#0-Range1:30~100MHz**



Date: 29.MAY.2020 13:00:58

**Band12-10MHz-QPSK-23130-1RB#0-Range2:100~12000MHz**



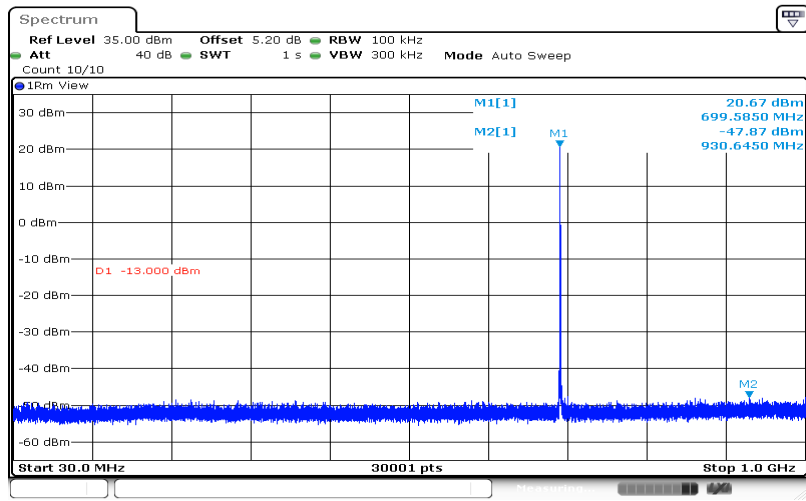
Date: 29.MAY.2020 13:02:05



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](mailto:CN.Doccheck@sgs.com)

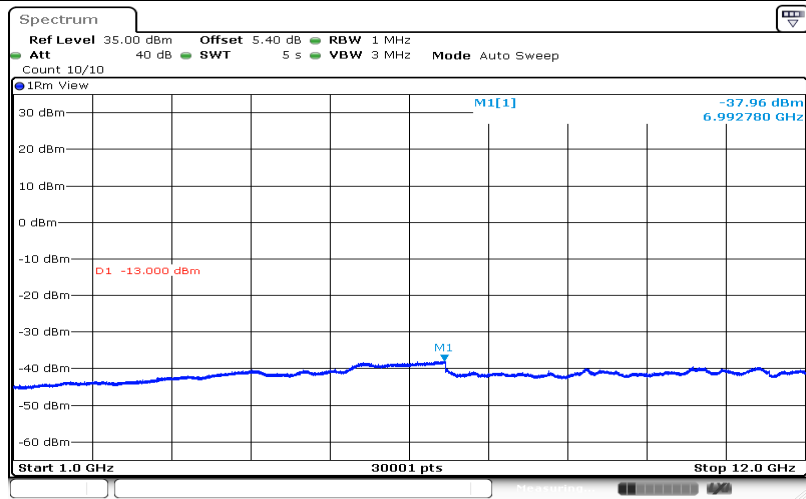


**Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz**



Date: 1.JUN.2020 08:03:06

**Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~12000MHz**

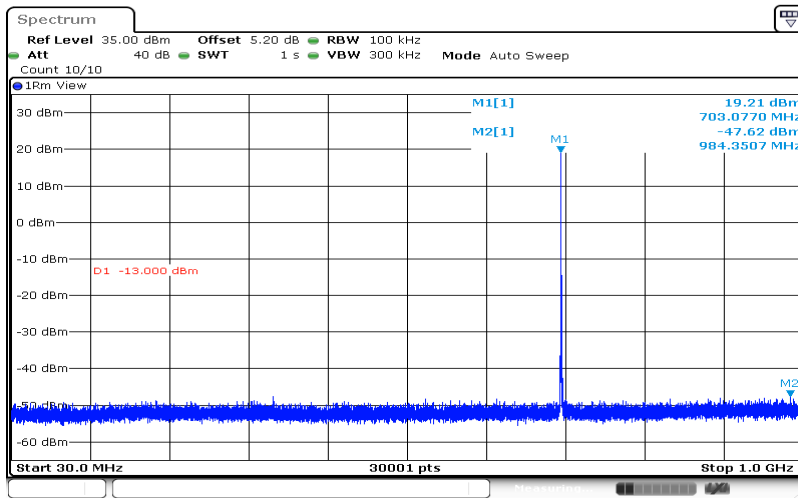


Date: 1.JUN.2020 08:04:13



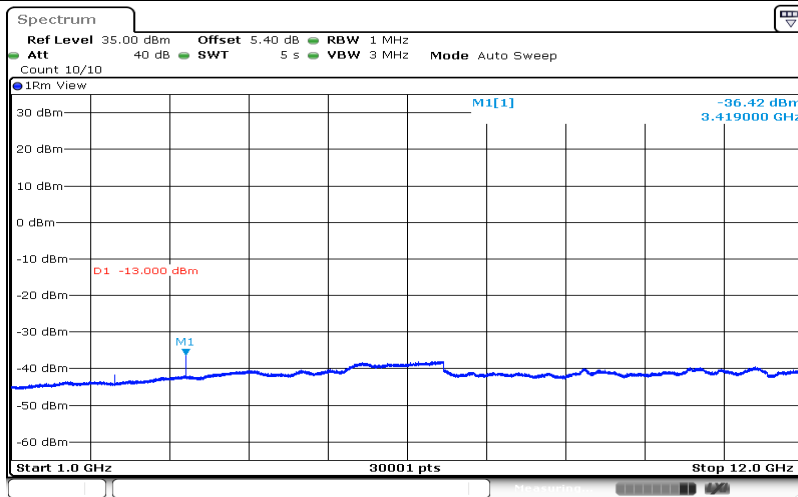
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz**



Date: 1.JUN.2020 08:04:33

**Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~12000MHz**

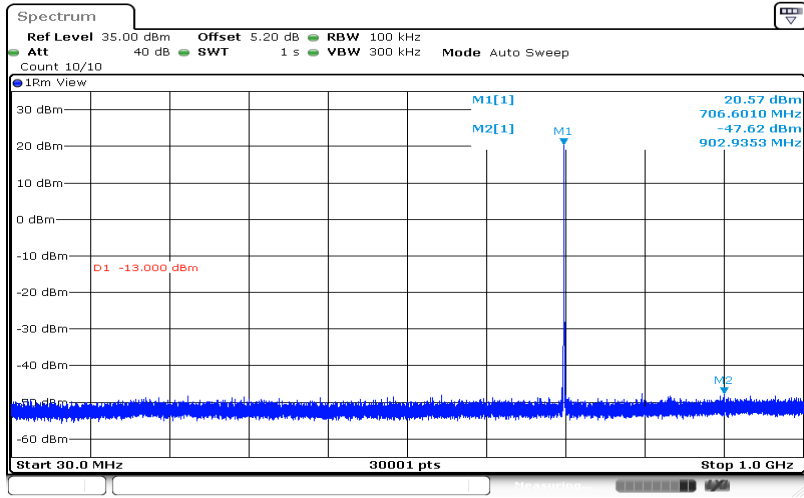


Date: 1.JUN.2020 08:05:40



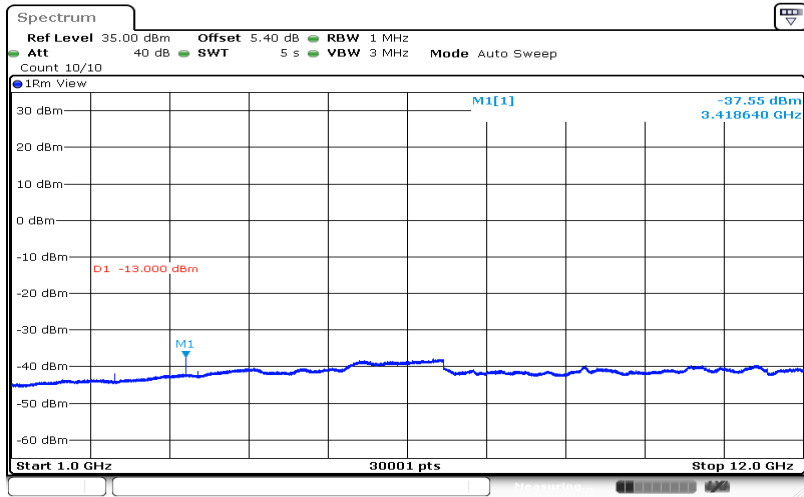
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz**



Date: 1.JUN.2020 08:06:00

**Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~12000MHz**

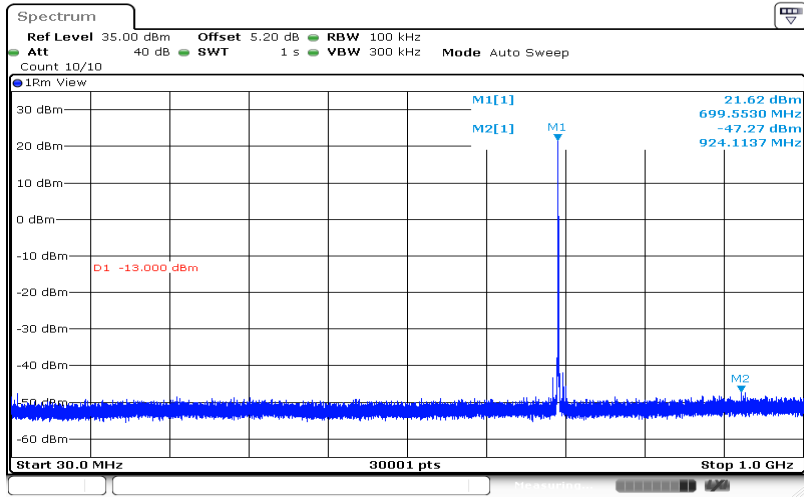


Date: 1.JUN.2020 08:07:08



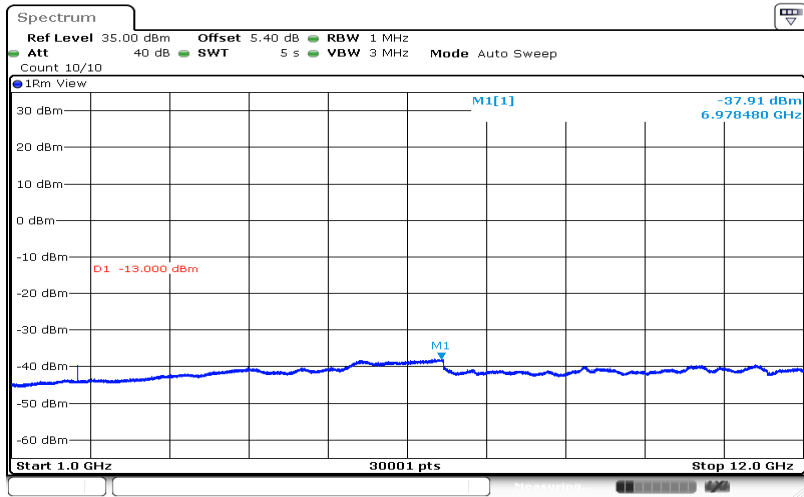
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz**



Date: 29.MAY.2020 12:56:36

**Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~12000MHz**

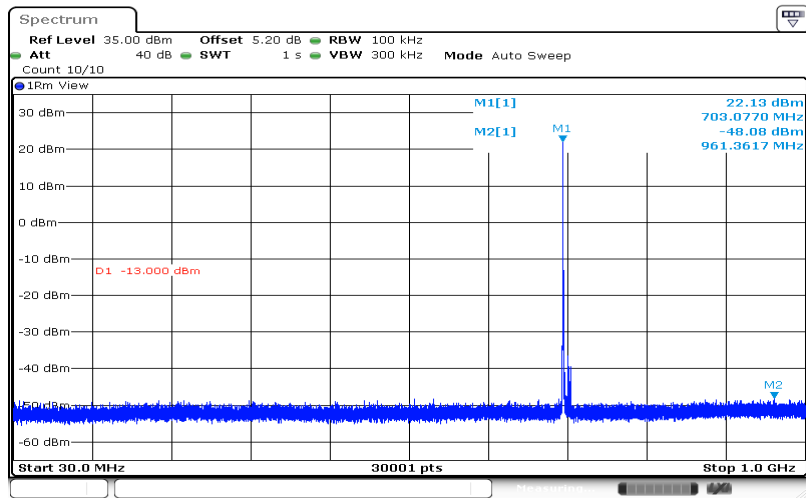


Date: 29.MAY.2020 12:57:44



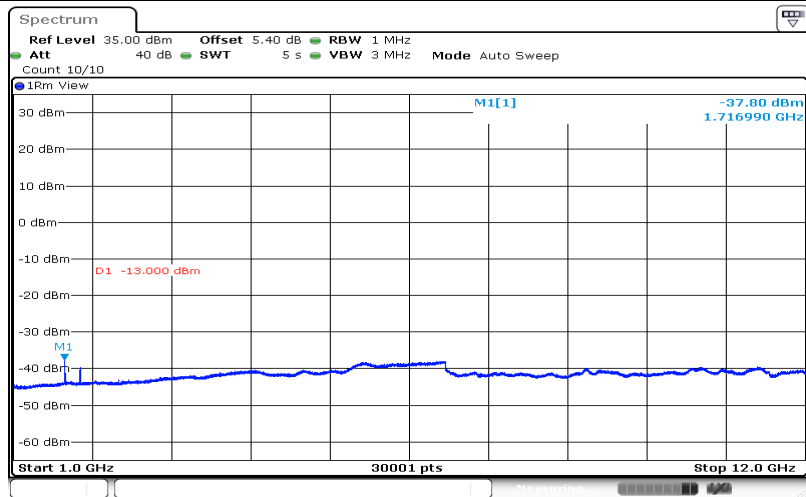
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

**Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz**



Date: 29.MAY.2020 12:59:31

**Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~12000MHz**



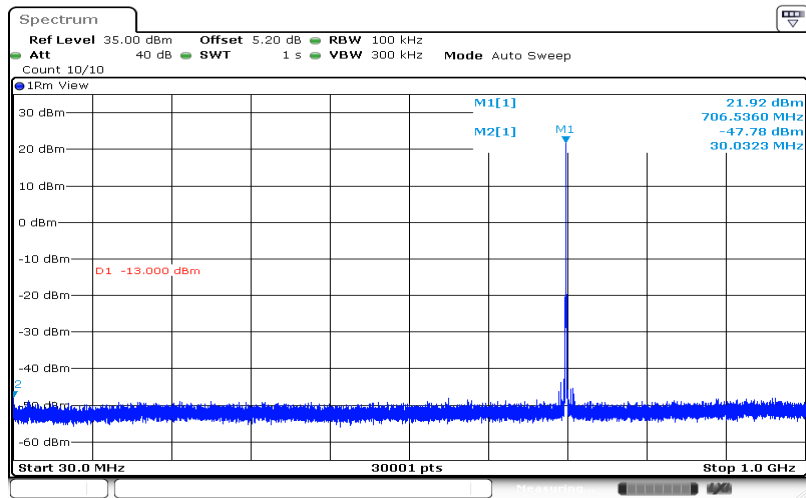
Date: 29.MAY.2020 13:00:38



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](mailto:CN.Doccheck@sgs.com)

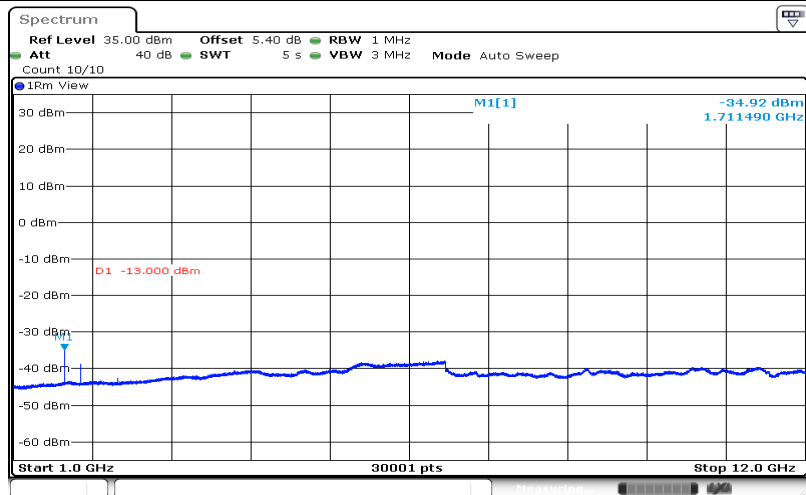


**Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz**



Date: 29.MAY.2020 13:02:25

**Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~12000MHz**



Date: 29.MAY.2020 13:03:32



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

## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 10MHz(Down Antenna)

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.046667	-72.35	-13.00	59.35	Vertical
191.420000	-79.09	-13.00	66.09	Vertical
1399.000000	-67.08	-13.00	54.08	Vertical
2803.500000	-57.30	-13.00	44.30	Vertical
4307.475000	-65.83	-13.00	52.83	Vertical
7994.437500	-62.89	-13.00	49.89	Vertical
62.760000	-73.64	-13.00	60.64	Horizontal
191.420000	-68.62	-13.00	55.62	Horizontal
1427.500000	-66.68	-13.00	53.68	Horizontal
2791.500000	-56.90	-13.00	43.90	Horizontal
4267.500000	-65.83	-13.00	52.83	Horizontal
7959.337500	-62.74	-13.00	49.74	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.813333	-73.09	-13.00	60.09	Vertical
191.466667	-79.66	-13.00	66.66	Vertical
1448.000000	-66.29	-13.00	53.29	Vertical
2863.000000	-57.35	-13.00	44.35	Vertical
4352.812500	-66.21	-13.00	53.21	Vertical
8638.425000	-62.80	-13.00	49.80	Vertical
62.853333	-73.37	-13.00	60.37	Horizontal
191.466667	-68.13	-13.00	55.13	Horizontal
1423.500000	-66.68	-13.00	53.68	Horizontal
2800.500000	-56.93	-13.00	43.93	Horizontal
4286.025000	-65.82	-13.00	52.82	Horizontal
7966.162500	-62.57	-13.00	49.57	Horizontal



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

### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.366667	-73.93	-13.00	60.93	Vertical
191.420000	-78.46	-13.00	65.46	Vertical
1434.000000	-66.66	-13.00	53.66	Vertical
2713.500000	-57.35	-13.00	44.35	Vertical
4283.100000	-66.29	-13.00	53.29	Vertical
9265.837500	-62.34	-13.00	49.34	Vertical
64.860000	-74.75	-13.00	61.75	Horizontal
191.420000	-68.46	-13.00	55.46	Horizontal
1455.000000	-65.92	-13.00	52.92	Horizontal
2882.000000	-56.49	-13.00	43.49	Horizontal
4353.787500	-65.67	-13.00	52.67	Horizontal
7951.050000	-62.81	-13.00	49.81	Horizontal

## 7.2. Test Mode =LTE/TM1 10MHz(Up Antenna)

### 7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.420000	-71.04	-13.00	58.04	Vertical
191.513333	-78.66	-13.00	65.66	Vertical
1473.500000	-66.23	-13.00	53.23	Vertical
2099.000000	-58.83	-13.00	45.83	Vertical
3650.325000	-67.81	-13.00	54.81	Vertical
5614.950000	-65.68	-13.00	52.68	Vertical
65.280000	-73.26	-13.00	60.26	Horizontal
191.606667	-68.21	-13.00	55.21	Horizontal
465.858333	-78.35	-13.00	65.35	Horizontal
2099.000000	-60.44	-13.00	47.44	Horizontal
2992.000000	-56.11	-13.00	43.11	Horizontal
4300.650000	-65.73	-13.00	52.73	Horizontal



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

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

### 7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.400000	-71.10	-13.00	58.10	Vertical
191.560000	-77.79	-13.00	64.79	Vertical
2109.500000	-58.66	-13.00	45.66	Vertical
3834.112500	-66.66	-13.00	53.66	Vertical
5611.050000	-65.96	-13.00	52.96	Vertical
9236.100000	-62.28	-13.00	49.28	Vertical
63.646667	-73.63	-13.00	60.63	Horizontal
191.560000	-68.88	-13.00	55.88	Horizontal
1465.500000	-65.61	-13.00	52.61	Horizontal
2109.500000	-59.64	-13.00	46.64	Horizontal
3562.575000	-67.64	-13.00	54.64	Horizontal
4989.000000	-65.93	-13.00	52.93	Horizontal

### 7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.513333	-71.14	-13.00	58.14	Vertical
191.560000	-79.24	-13.00	66.24	Vertical
1447.000000	-66.27	-13.00	53.27	Vertical
2120.000000	-58.72	-13.00	45.72	Vertical
3509.437500	-68.23	-13.00	55.23	Vertical
5063.587500	-65.75	-13.00	52.75	Vertical
62.946667	-73.65	-13.00	60.65	Horizontal
191.560000	-69.28	-13.00	56.28	Horizontal
1456.000000	-65.92	-13.00	52.92	Horizontal
2120.000000	-58.75	-13.00	45.75	Horizontal
3556.725000	-67.79	-13.00	54.79	Horizontal
5070.900000	-65.48	-13.00	52.48	Horizontal

**Remark:**

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



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

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





## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-1.00	-0.001420	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.40	-0.001989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	0.80	0.001131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	3.50	0.004947	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-3.30	-0.004641	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-0.30	-0.000422	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-4.20	-0.005966	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-3.80	-0.005398	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	0.90	0.001278	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	1.80	0.002544	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	3.60	0.005088	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	0.40	0.000565	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.80	-0.005345	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	3.40	0.004782	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-1.40	-0.001989	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	1.70	0.002415	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-3.00	-0.004261	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-3.50	-0.004947	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-5.00	-0.007067	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-1.30	-0.001837	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	3.70	0.005204	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	2.30	0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-3.20	-0.004501	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
------	-----------	------------	---------	--------------	---------------	------------------	----------------	-----------------	-------------	---------



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](mailto:CN.Doccheck@sgs.com)





Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-1.70	-0.002415	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-2.10	-0.002983	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-2.00	-0.002841	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	2.80	0.003977	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	3.80	0.005398	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	2.40	0.003392	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-2.80	-0.003958	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.70	-0.005230	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	2.10	0.002968	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	1.90	0.002672	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-4.30	-0.006048	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-4.60	-0.006470	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	0.50	0.000703	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-3.00	-0.004219	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	1.00	0.001406	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	-0.30	-0.000426	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-4.60	-0.006534	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	4.00	0.005682	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	-0.40	-0.000568	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	1.10	0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-1.60	-0.002261	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-2.40	-0.003392	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-2.90	-0.004099	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-3.30	-0.004664	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-3.50	-0.004947	±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](mailto:CN.Doccheck@sgs.com)



Band12	10MHz	64QAM	23095	50RB#0	NV	40	-3.70	-0.005230	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-3.80	-0.005371	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	2.00	0.002813	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	-0.90	-0.001266	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-2.10	-0.002954	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-2.80	-0.003938	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-0.80	-0.001136	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	1.10	0.001563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	2.30	0.003267	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	0.40	0.000568	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.00	-0.001420	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	2.70	0.003835	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	2.40	0.003409	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	1.80	0.002557	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	1.00	0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-4.00	-0.005654	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-5.20	-0.007350	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-4.60	-0.006502	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-4.30	-0.006078	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-4.20	-0.005936	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-4.60	-0.006502	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	4.30	0.006078	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-1.30	-0.001828	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	0.70	0.000985	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	1.00	0.001406	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	1.00	0.001406	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	0.80	0.001125	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	0.30	0.000422	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-0.40	-0.000563	±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.