



Appendix B

E-UTRA Band 5



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

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

CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 3

1.1. TEST RESULT 3

2. PEAK-TO-AVERAGE RATIO (CCDF)11

2.1. TEST RESULT 11

2.2. TEST PLOTS..... 11

3. MODULATION CHARACTERISTICS16

3.1. TEST MODE = LTE /TM1 10MHZ..... 16

3.1.1. TEST CHANNEL = MCH..... 16

3.2. TEST MODE = LTE /TM2 10MHZ..... 17

3.2.1. TEST CHANNEL = MCH..... 17

3.3. TEST MODE = LTE /TM3 10MHZ..... 18

3.3.1. TEST CHANNEL = MCH..... 18

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH19

4.1. TEST RESULT 19

4.2. TEST PLOTS..... 20

5. BAND EDGE COMPLIANCE38

5.1. TEST PLOTS..... 38

6. SPURIOUS EMISSION AT ANTENNA TERMINAL62

6.1. TEST PLOTS..... 62

7. FIELD STRENGTH OF SPURIOUS RADIATION71

7.1. TEST MODE =LTE/TM1 10MHZ 71

7.1.1. TEST CHANNEL = LCH 71

7.1.2. TEST CHANNEL = MCH..... 71

7.1.3. TEST CHANNEL = HCH..... 72

8. FREQUENCY STABILITY73

8.1. FREQUENCY VS VOLTAGE 73

8.2. FREQUENCY VS TEMPERATURE 73



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

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.12	17.37	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.16	17.41	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.02	17.27	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.90	17.15	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.84	17.09	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.88	17.13	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.97	16.22	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.04	17.29	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.85	17.1	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.05	17.3	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.85	17.1	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.87	17.12	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.85	17.1	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.83	16.08	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.83	17.08	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.91	17.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.96	17.21	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.74	16.99	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.65	16.9	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.63	16.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.68	15.93	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.00	15.25	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	20.89	15.14	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.01	15.26	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	20.89	15.14	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	20.93	15.18	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	20.99	15.24	38.45	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



Band5	1.4MHz	64QAM	20407	6RB#0	20.03	14.28	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.82	15.07	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.11	15.36	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.76	15.01	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	20.95	15.2	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	20.70	14.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	20.72	14.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.83	14.08	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.99	15.24	38.45	FAIL
Band5	1.4MHz	64QAM	20643	1RB#0	21.06	15.31	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.77	15.02	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.00	15.25	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	20.73	14.98	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	20.63	14.88	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.63	13.88	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.10	16.35	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.03	16.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.09	16.34	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.90	16.15	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.93	16.18	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.99	16.24	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.12	15.37	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.95	16.2	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.20	16.45	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.78	16.03	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.96	16.21	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.82	16.07	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.86	16.11	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.93	15.18	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.14	16.39	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.09	16.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.89	16.14	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.04	16.29	38.45	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



Band5	1.4MHz	16QAM	20643	3RB#1	21.86	16.11	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.73	15.98	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.70	14.95	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.81	17.06	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.86	17.11	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.84	17.09	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.90	16.15	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.91	16.16	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.00	16.25	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.89	16.14	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.75	17	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.67	16.92	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.79	17.04	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.87	16.12	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.87	16.12	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.89	16.14	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.83	16.08	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.68	16.93	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.83	17.08	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.74	16.99	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.77	16.02	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.76	16.01	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.67	15.92	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.70	15.95	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.79	15.04	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.82	15.07	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.02	15.27	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	19.90	14.15	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	19.90	14.15	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	19.85	14.1	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.82	14.07	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.09	15.34	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.77	15.02	38.45	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



Band5	3MHz	64QAM	20525	1RB#8	20.94	15.19	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	19.94	14.19	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	19.90	14.15	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	19.85	14.1	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.74	13.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.27	15.52	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.91	15.16	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.76	15.01	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	19.87	14.12	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	19.68	13.93	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	19.61	13.86	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.63	13.88	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.94	16.19	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.95	16.2	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.17	16.42	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.98	15.23	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.90	15.15	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.00	15.25	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.95	15.2	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.18	16.43	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.91	16.16	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.05	16.3	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.94	15.19	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.97	15.22	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.98	15.23	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.79	15.04	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.27	16.52	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.93	16.18	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.80	16.05	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.92	15.17	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.75	15	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.72	14.97	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.74	14.99	38.45	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



Band5	5MHz	QPSK	20425	1RB#24	22.80	17.05	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.78	17.03	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.81	17.06	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.95	16.2	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.98	16.23	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.93	16.18	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.00	16.25	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.61	16.86	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.59	16.84	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.83	17.08	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.90	16.15	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.89	16.14	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.95	16.2	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.92	16.17	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.74	16.99	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.77	17.02	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.70	16.95	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.86	16.11	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.80	16.05	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.76	16.01	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.73	15.98	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.04	15.29	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.92	15.17	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.89	15.14	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	19.78	14.03	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	19.99	14.24	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	19.87	14.12	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.98	14.23	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.01	15.26	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.95	15.2	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.15	15.4	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	19.93	14.18	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	19.70	13.95	38.45	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/Forms-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



Band5	5MHz	64QAM	20525	12RB#6	19.81	14.06	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.90	14.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.87	15.12	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.64	14.89	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.90	15.15	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	19.77	14.02	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	19.86	14.11	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	19.77	14.02	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.73	13.98	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.14	16.39	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.93	16.18	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.94	16.19	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.89	15.14	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.07	15.32	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.90	15.15	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.01	15.26	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.07	16.32	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.98	16.23	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.16	16.41	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.94	15.19	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.85	15.1	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.96	15.21	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.90	15.15	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.02	16.27	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.73	15.98	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.03	16.28	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.87	15.12	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.89	15.14	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.78	15.03	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.79	15.04	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.04	17.29	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.86	17.11	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.18	17.43	38.45	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



Band5	10MHz	QPSK	20450	25RB#12	22.07	16.32	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.90	16.15	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.14	16.39	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.01	16.26	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.04	17.29	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.79	17.04	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.19	17.44	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.95	16.2	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.90	16.15	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.02	16.27	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.87	16.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.95	17.2	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.89	17.14	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.11	17.36	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.02	16.27	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.91	16.16	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.95	16.2	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.03	16.28	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.90	15.15	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.11	15.36	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.77	15.02	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	19.84	14.09	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	19.90	14.15	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.08	14.33	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.97	14.22	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.90	15.15	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.96	15.21	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.03	15.28	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.00	14.25	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	19.75	14	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	19.98	14.23	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.79	14.04	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.23	15.48	38.45	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



Band5	10MHz	64QAM	20600	1RB#0	21.16	15.41	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.14	15.39	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	19.89	14.14	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	19.84	14.09	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	19.82	14.07	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.84	14.09	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.93	16.18	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.13	16.38	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.90	16.15	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.97	15.22	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.92	15.17	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.17	15.42	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.02	15.27	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.05	16.3	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.98	16.23	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.07	16.32	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.01	15.26	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.88	15.13	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.04	15.29	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.85	15.1	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.23	16.48	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.28	16.53	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.20	16.45	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.98	15.23	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.97	15.22	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.83	15.08	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.91	15.16	38.45	PASS

Remark:

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

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

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



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. 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

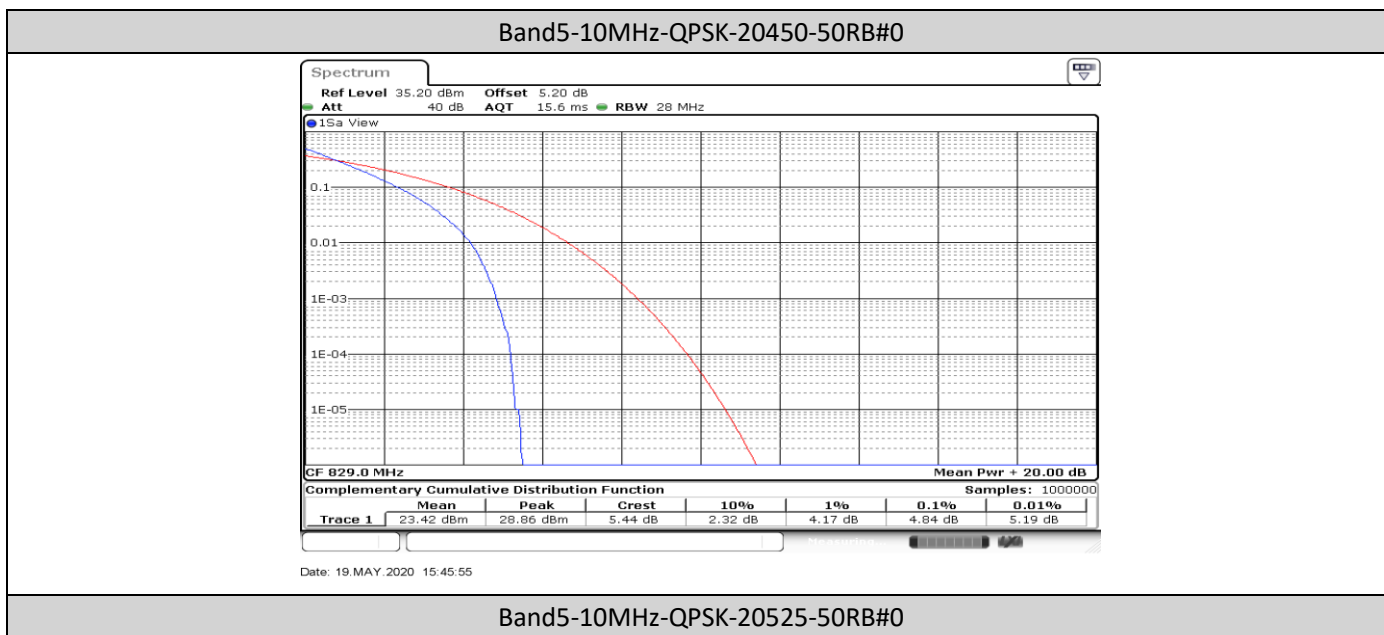


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

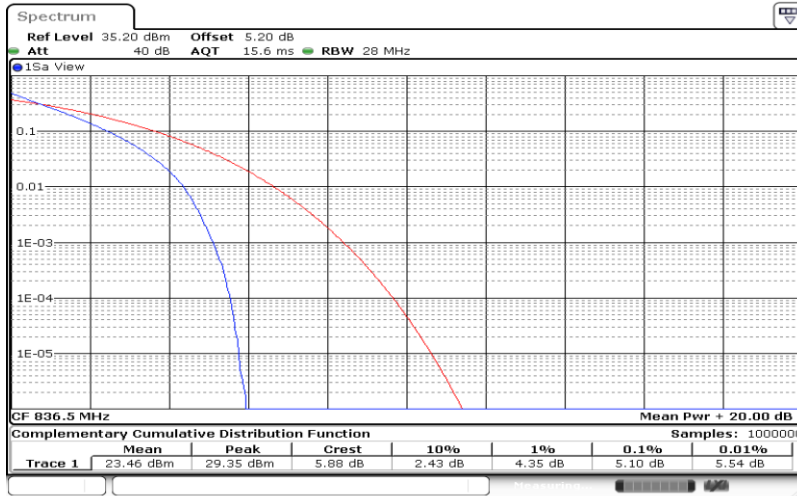
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.10	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.75	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.35	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.67	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.29	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.57	13	PASS

2.2. Test Plots



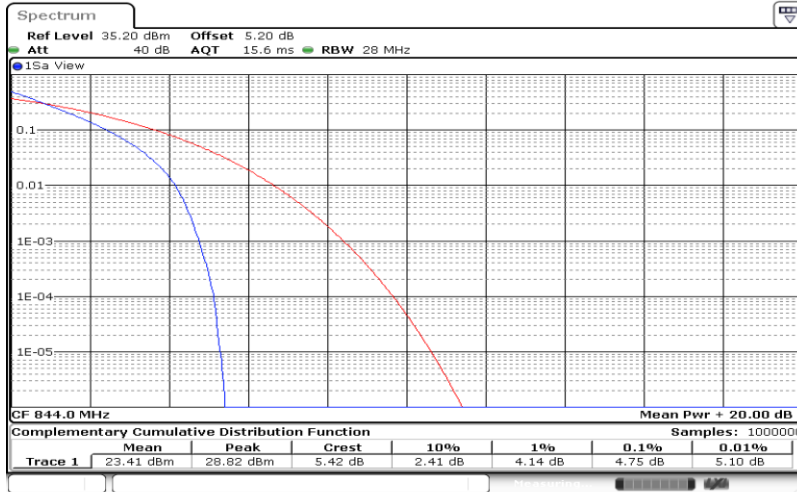
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 19.MAY.2020 15:46:18

Band5-10MHz-QPSK-20600-50RB#0



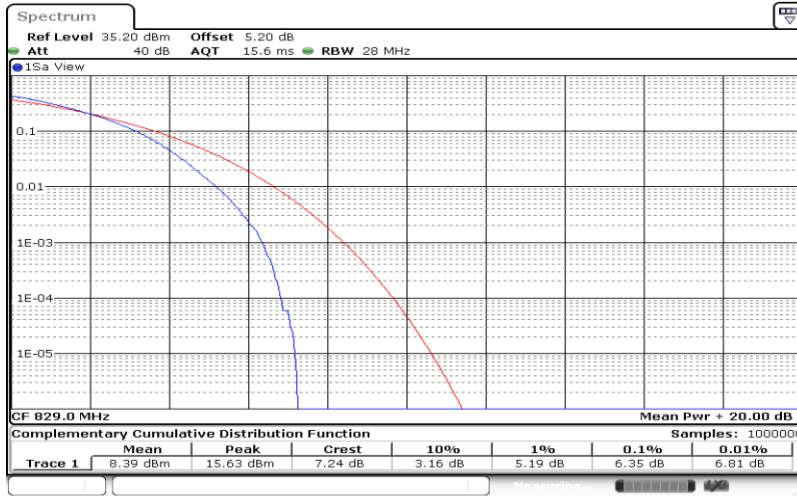
Date: 19.MAY.2020 15:46:41

Band5-10MHz-64QAM-20450-50RB#0



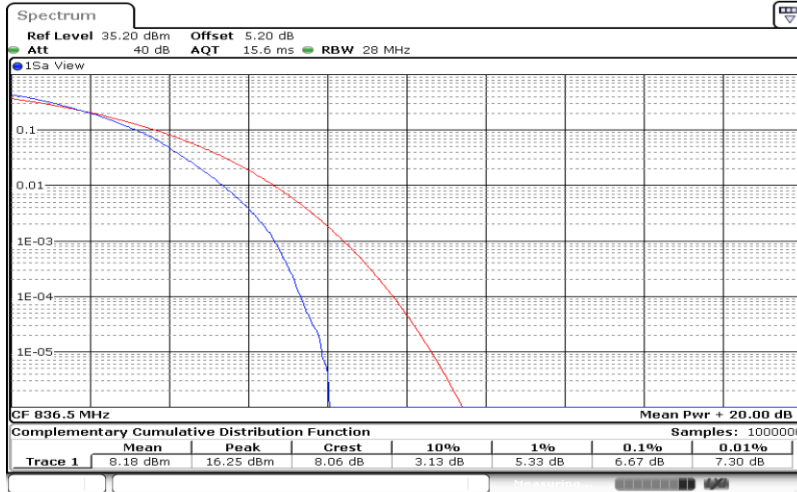
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 09:07:07

Band5-10MHz-64QAM-20525-50RB#0

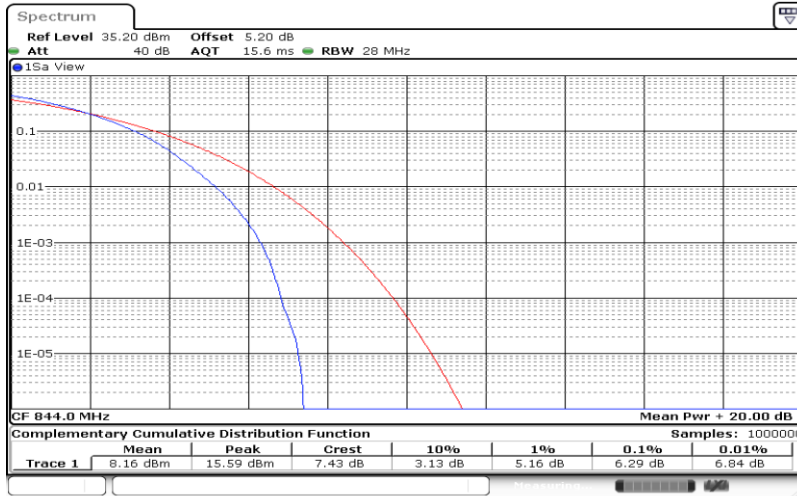


Date: 22.MAY.2020 09:07:18

Band5-10MHz-64QAM-20600-50RB#0

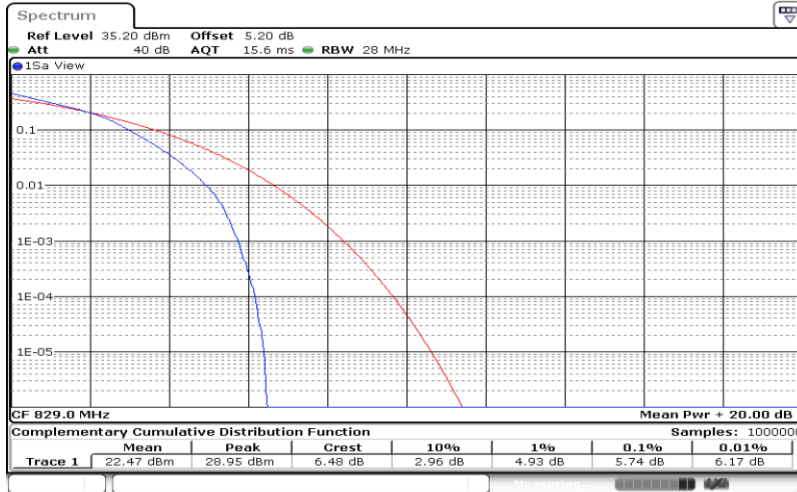


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 09:07:30

Band5-10MHz-16QAM-20450-50RB#0



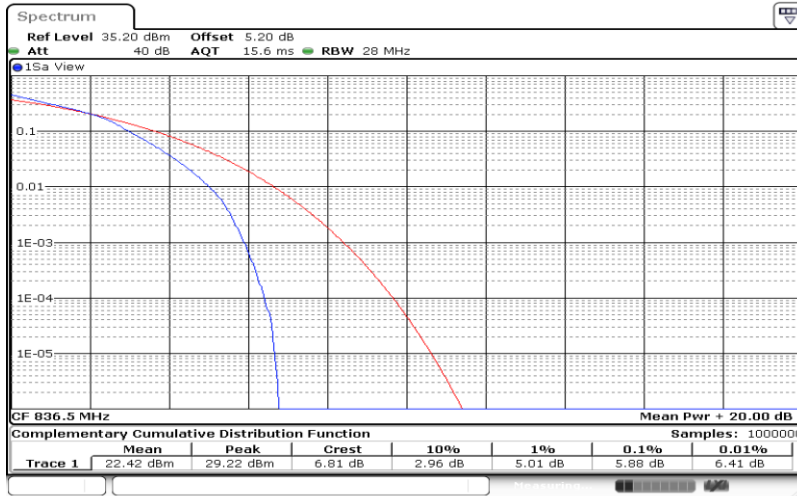
Date: 19.MAY.2020 15:46:07

Band5-10MHz-16QAM-20525-50RB#0



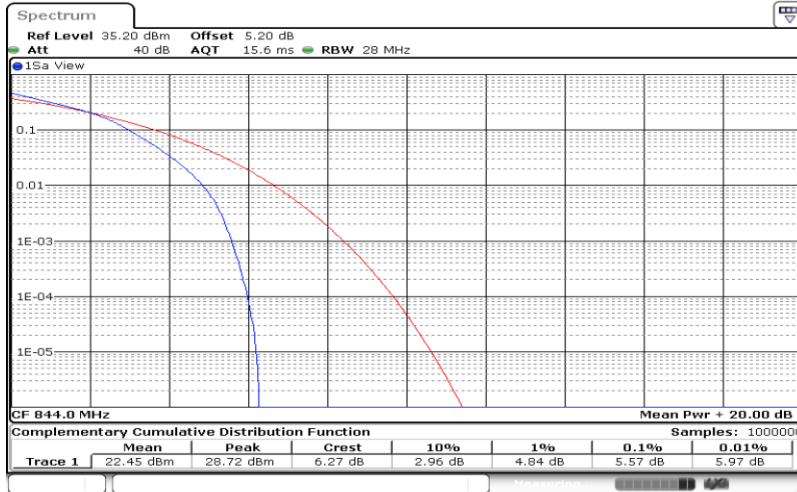
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:46:29

Band5-10MHz-16QAM-20600-50RB#0



Date: 19.MAY.2020 15:46:52



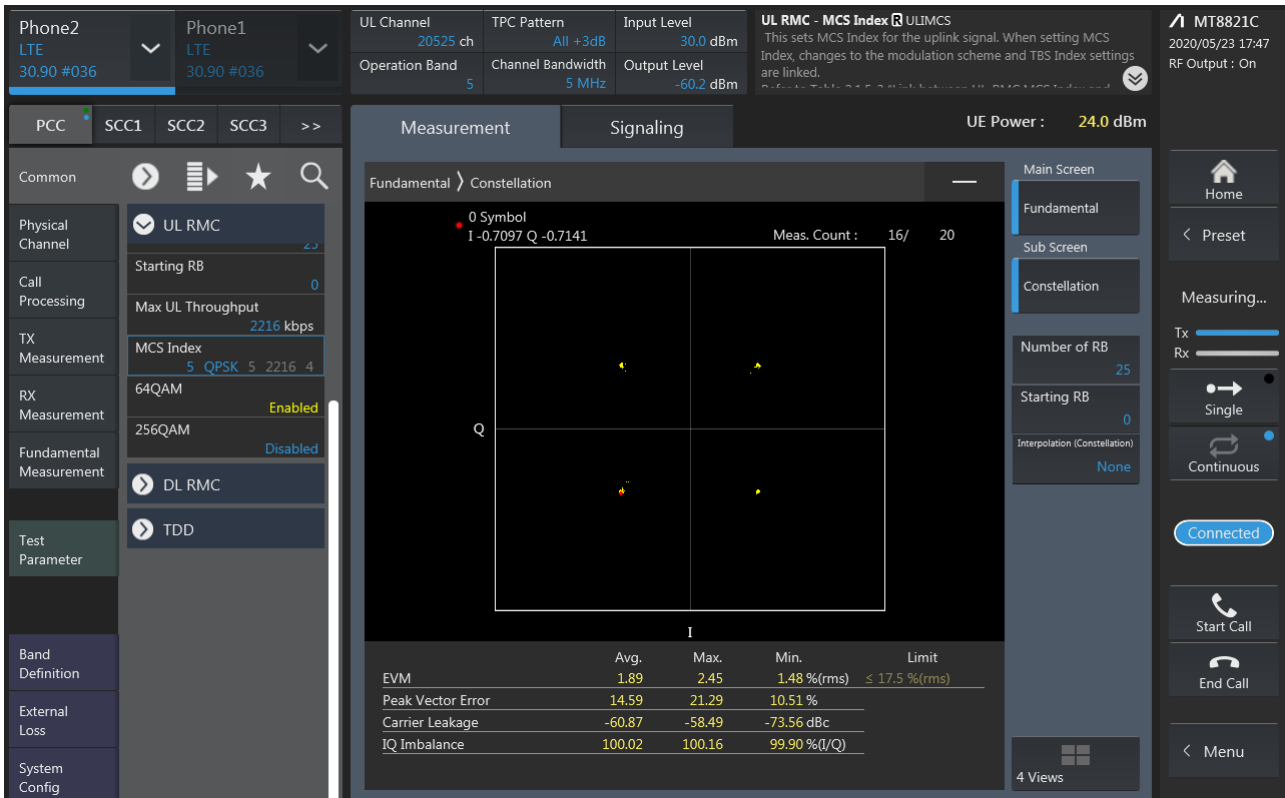
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

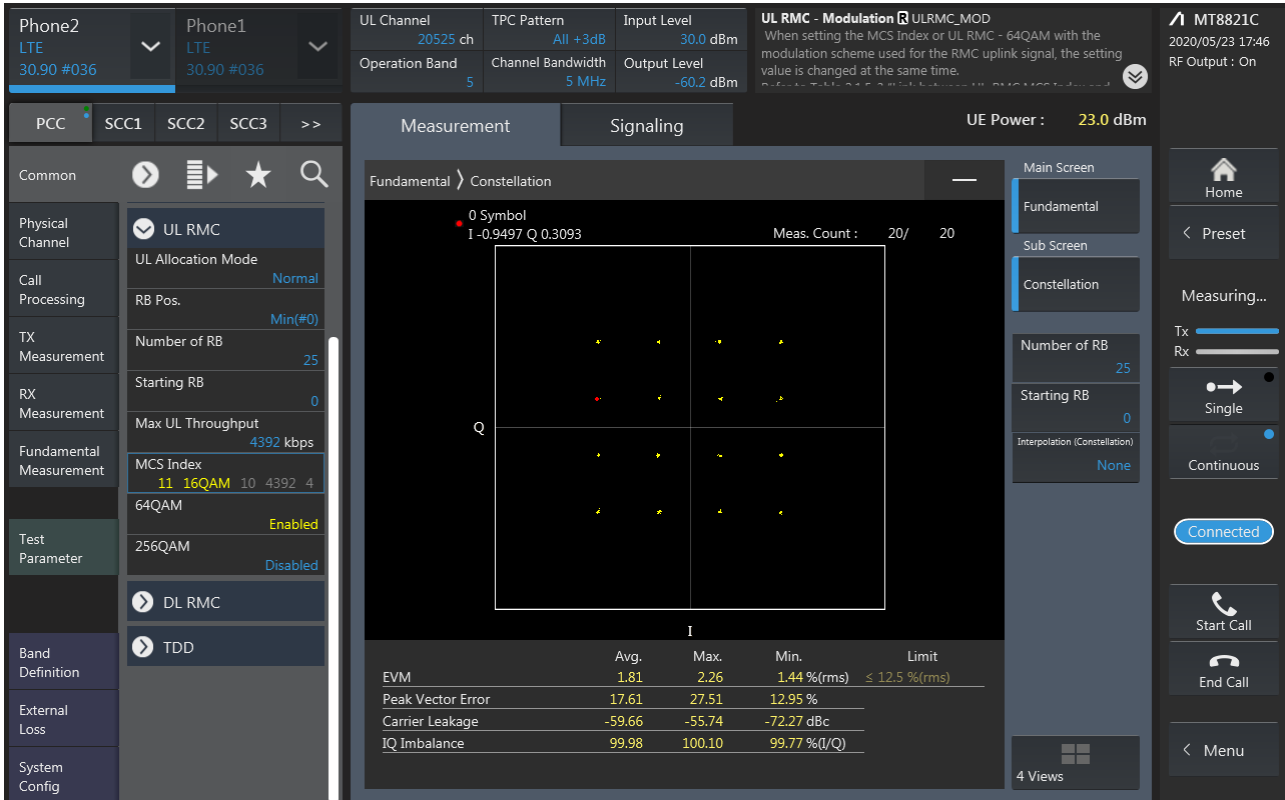
3.1.1. Test Channel = MCH



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.
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

3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH

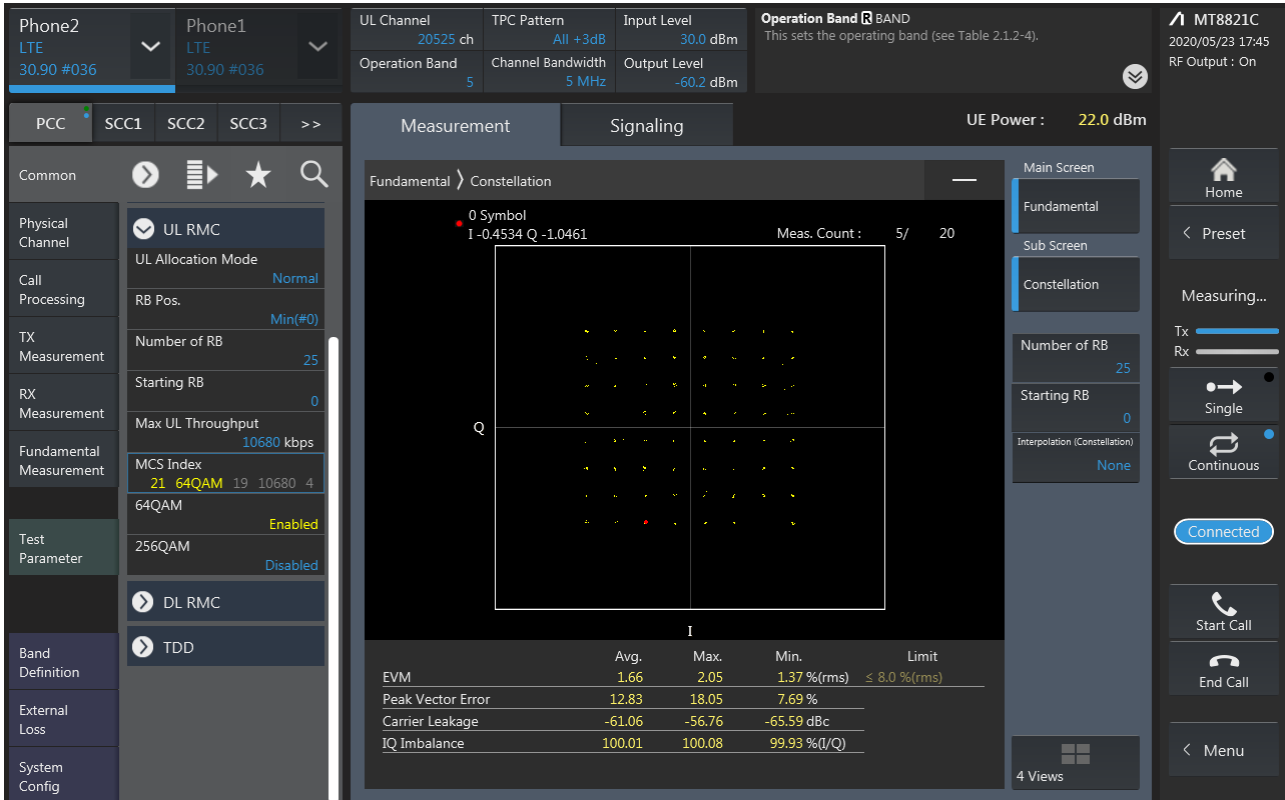


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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-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



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.094	1.296	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.290	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.296	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	1.293	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.299	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.293	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.278	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.278	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.284	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.006	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	3.006	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.994	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.976	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.691	2.982	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.970	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.970	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.950	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.910	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.930	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.890	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.466	4.910	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.466	4.900	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.960	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.960	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.950	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.740	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.700	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.740	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.911	9.640	PASS



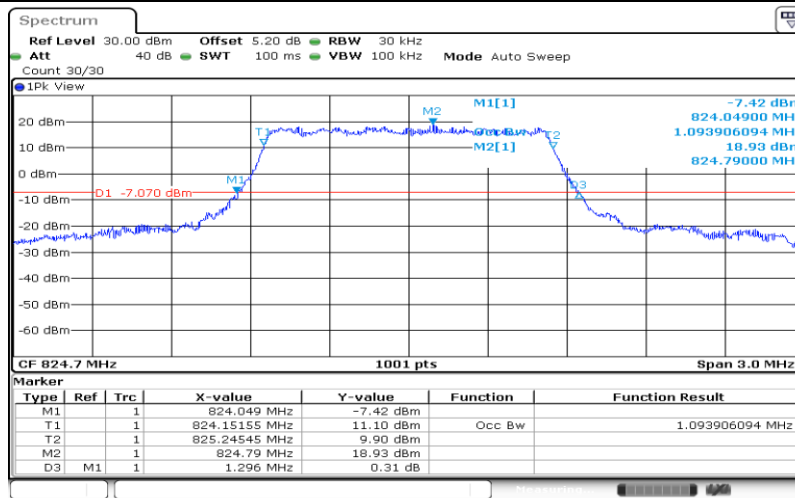
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band5	10MHz	64QAM	20525	50RB#0	8.931	9.740	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.640	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.800	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.800	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.700	PASS

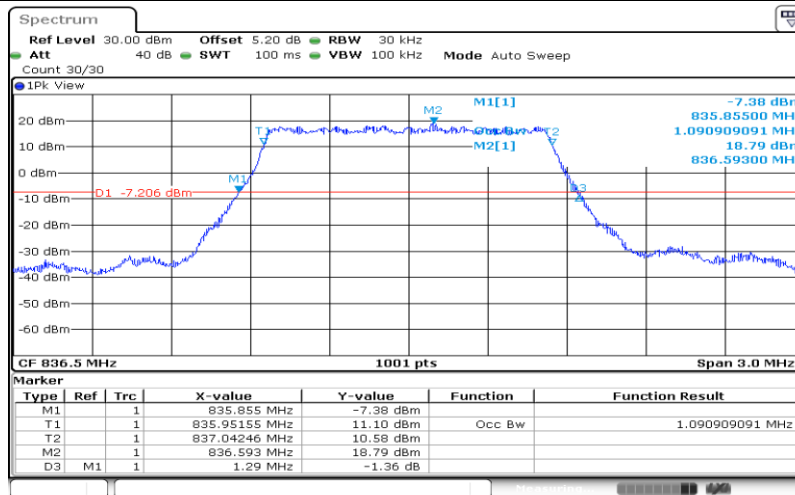
4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.094



Date: 19.MAY.2020 15:19:22

Band5-1.4MHz-QPSK-20525-6RB#0-1.091

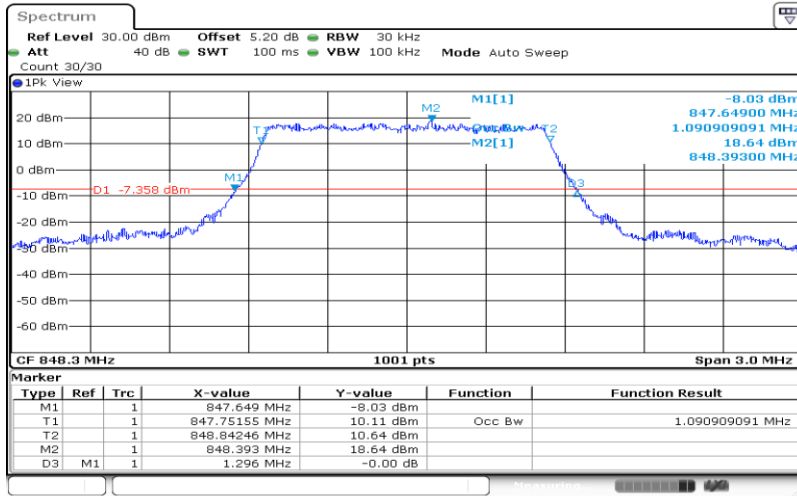


Date: 19.MAY.2020 15:19:48

Band5-1.4MHz-QPSK-20643-6RB#0-1.091

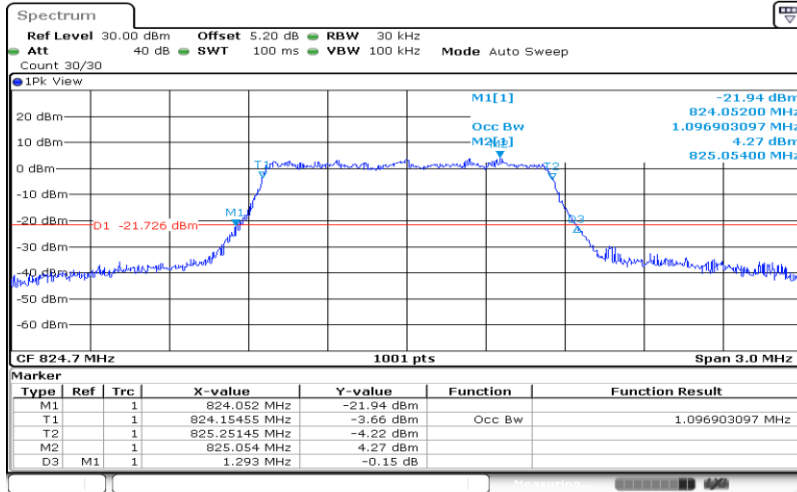


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:20:14

Band5-1.4MHz-64QAM-20407-6RB#0-1.097

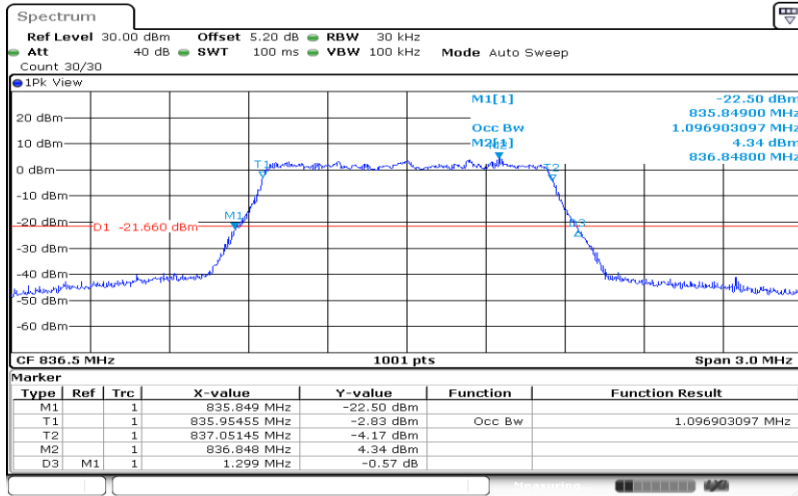


Date: 22.MAY.2020 08:52:56

Band5-1.4MHz-64QAM-20525-6RB#0-1.097

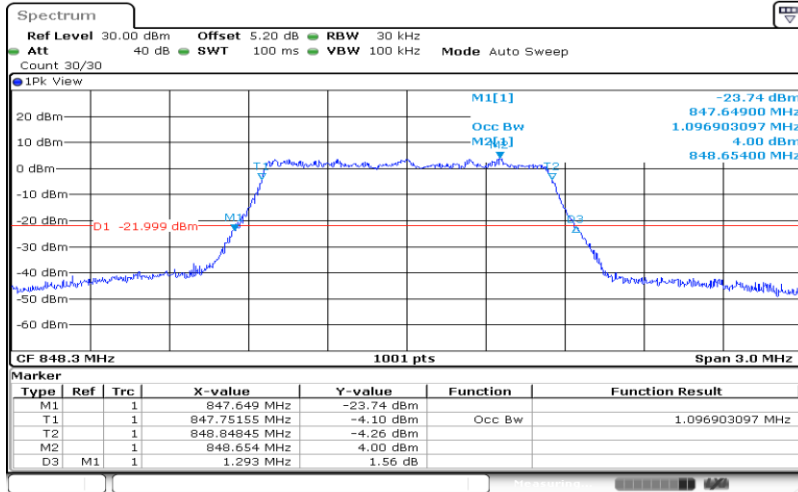


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:53:09

Band5-1.4MHz-64QAM-20643-6RB#0-1.097

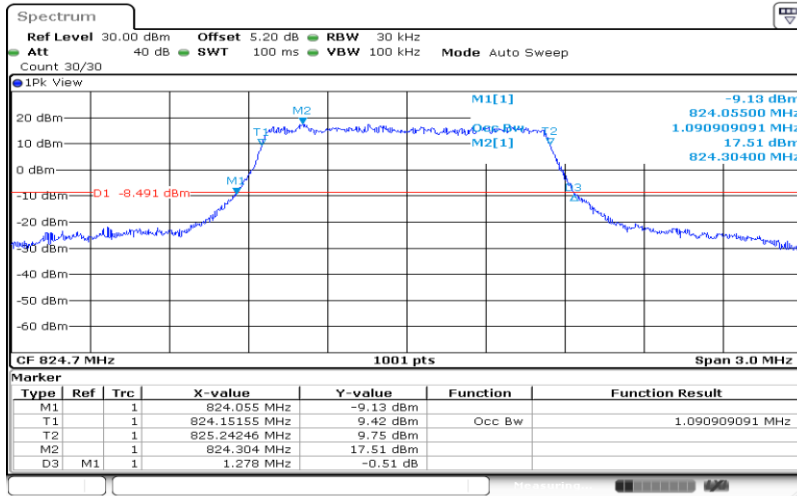


Date: 22.MAY.2020 08:53:22

Band5-1.4MHz-16QAM-20407-6RB#0-1.091

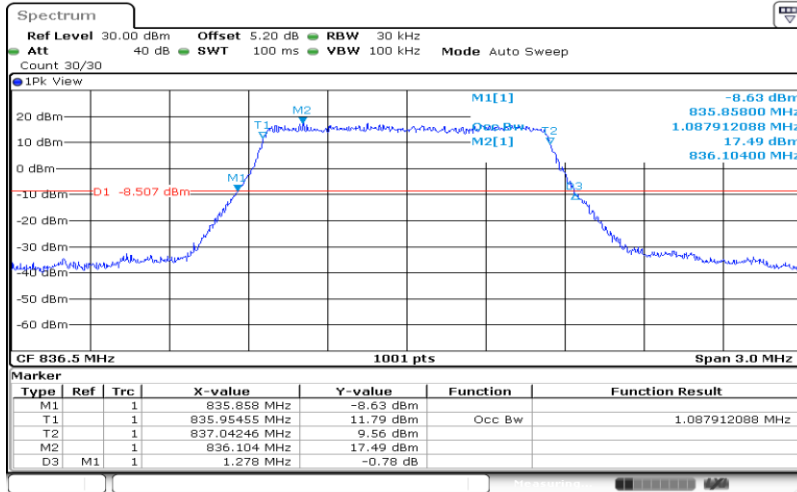


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:19:35

Band5-1.4MHz-16QAM-20525-6RB#0-1.088

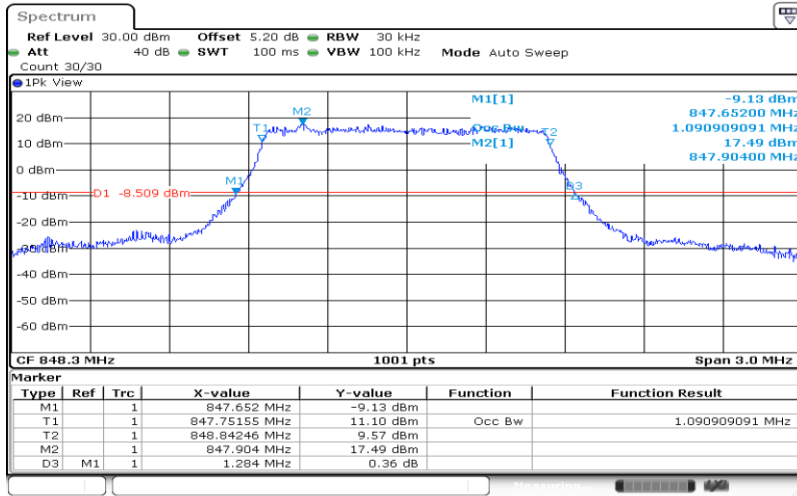


Date: 19.MAY.2020 15:20:01

Band5-1.4MHz-16QAM-20643-6RB#0-1.091

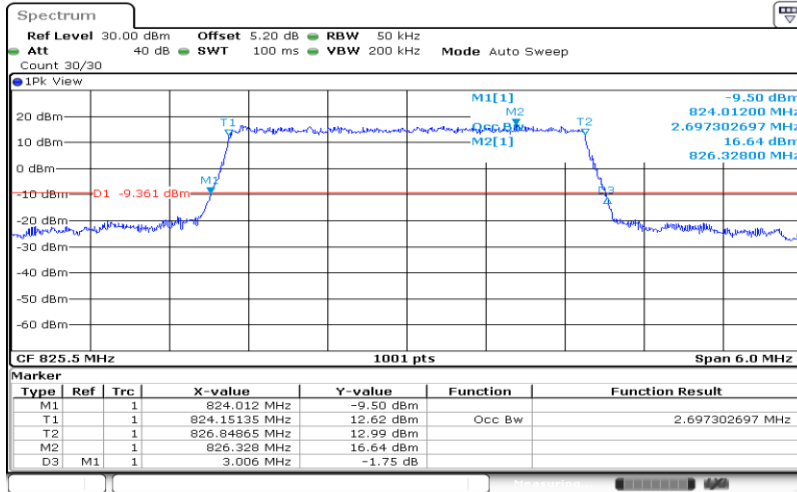


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:20:27

Band5-3MHz-QPSK-20415-15RB#0-2.697

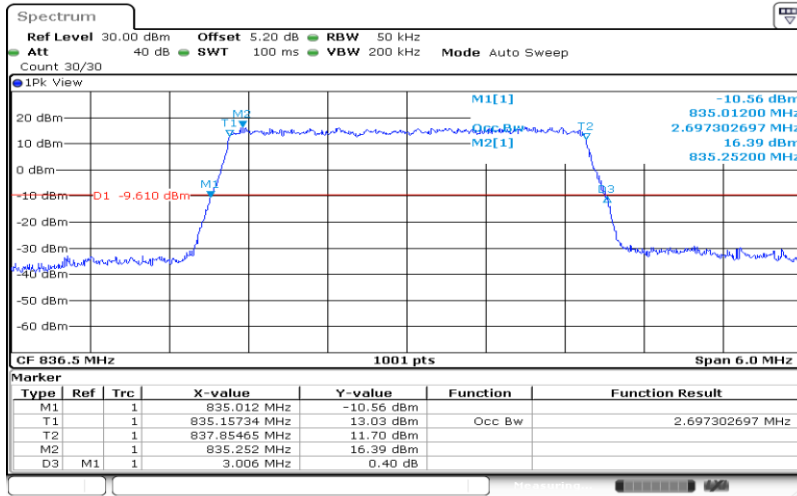


Date: 19.MAY.2020 15:20:45

Band5-3MHz-QPSK-20525-15RB#0-2.697

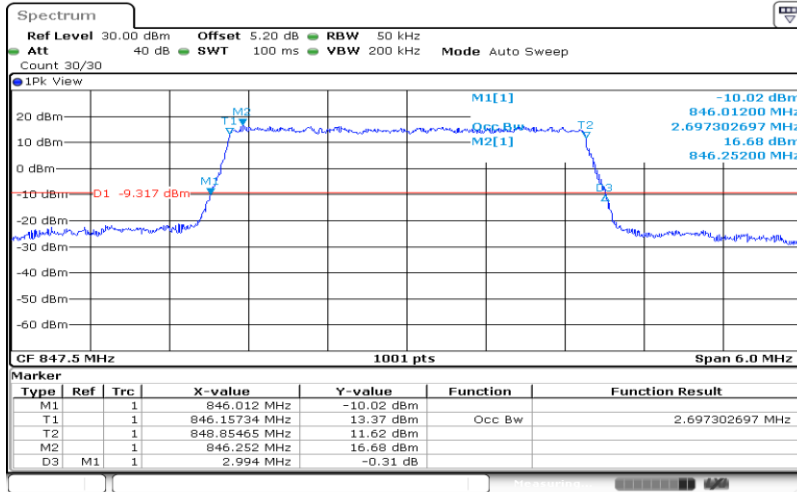


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:21:11

Band5-3MHz-QPSK-20635-15RB#0-2.697

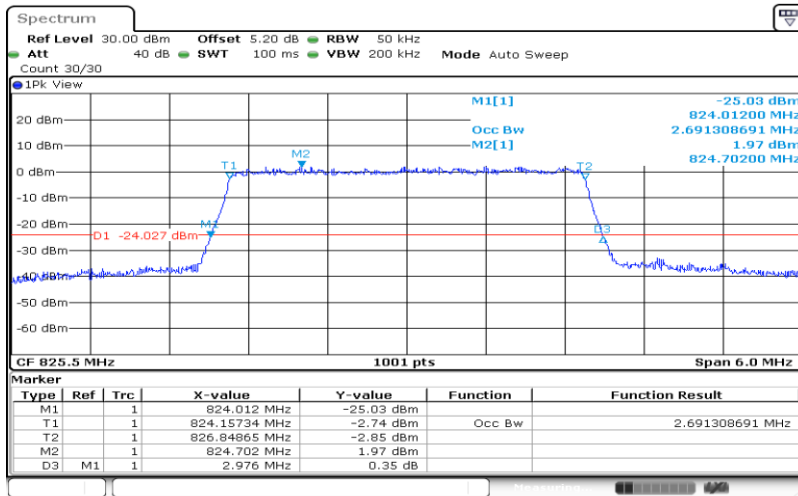


Date: 19.MAY.2020 15:21:37

Band5-3MHz-64QAM-20415-15RB#0-2.691

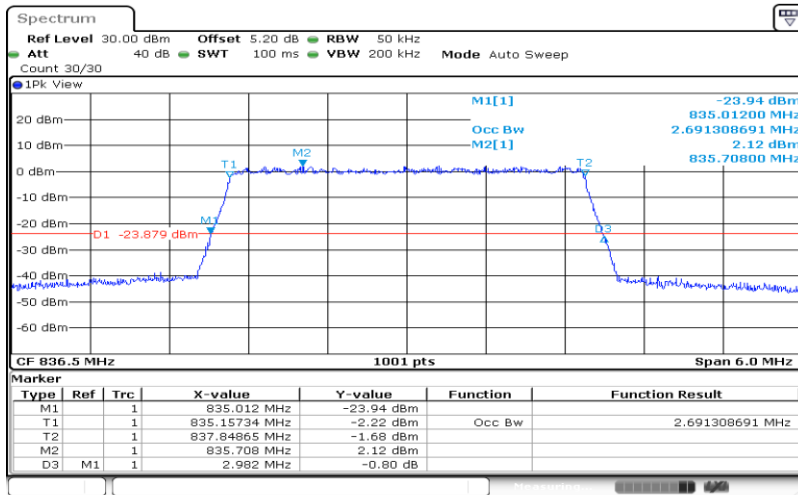


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:53:42

Band5-3MHz-64QAM-20525-15RB#0-2.691

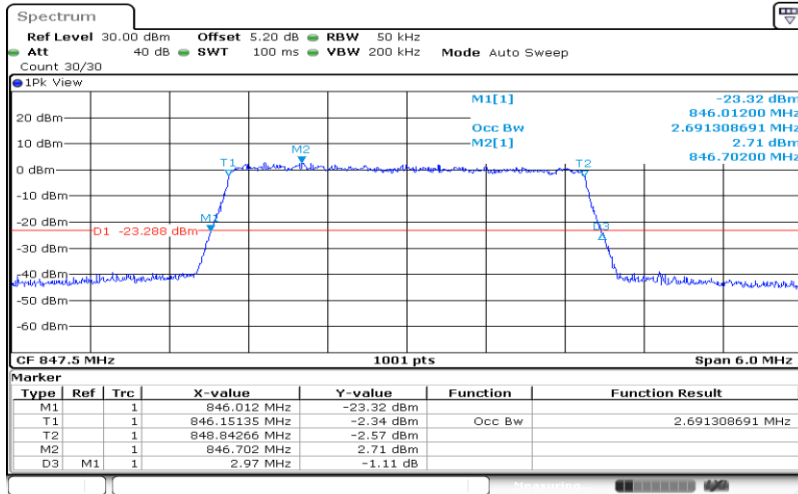


Date: 22.MAY.2020 08:53:55

Band5-3MHz-64QAM-20635-15RB#0-2.691

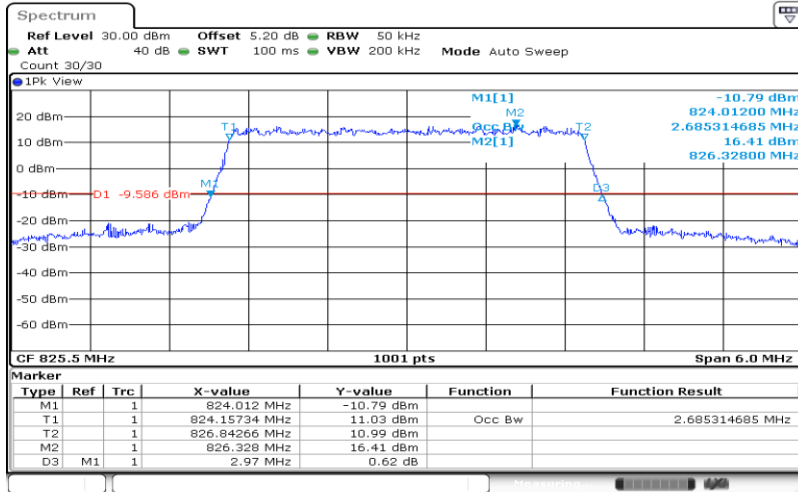


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:54:08

Band5-3MHz-16QAM-20415-15RB#0-2.685

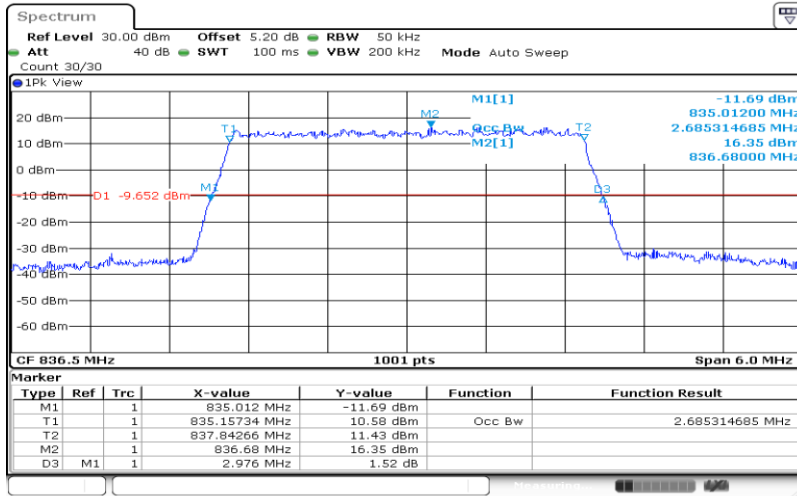


Date: 19.MAY.2020 15:20:58

Band5-3MHz-16QAM-20525-15RB#0-2.685

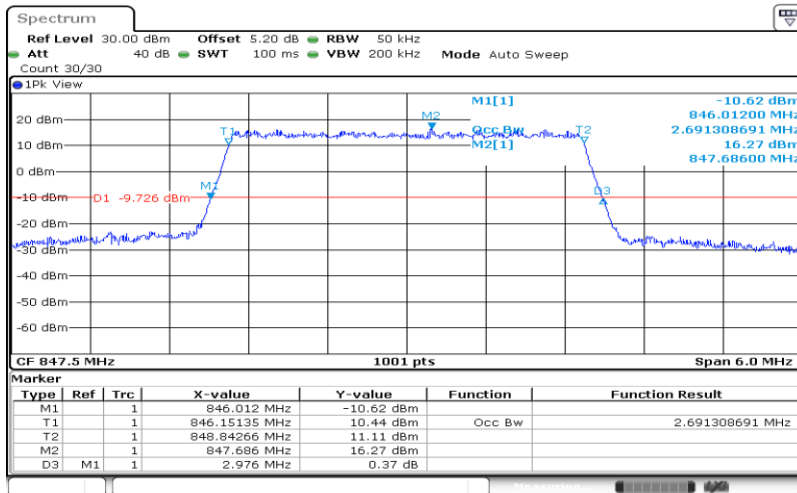


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:21:24

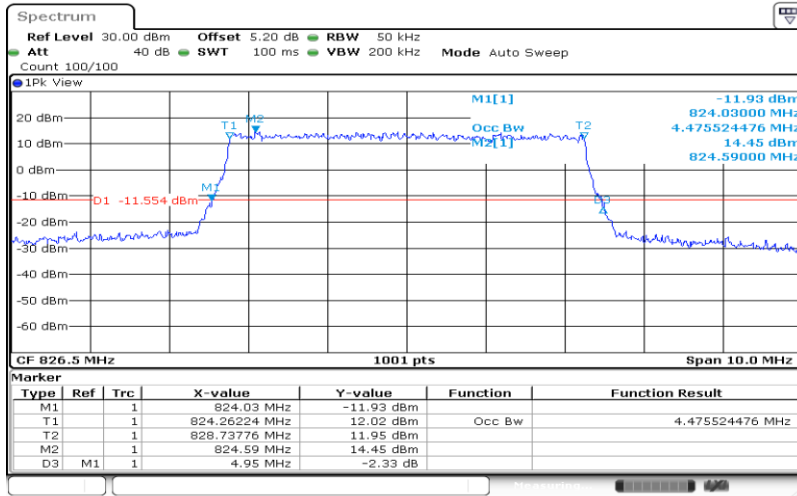
Band5-3MHz-16QAM-20635-15RB#0-2.691



Date: 19.MAY.2020 15:21:50

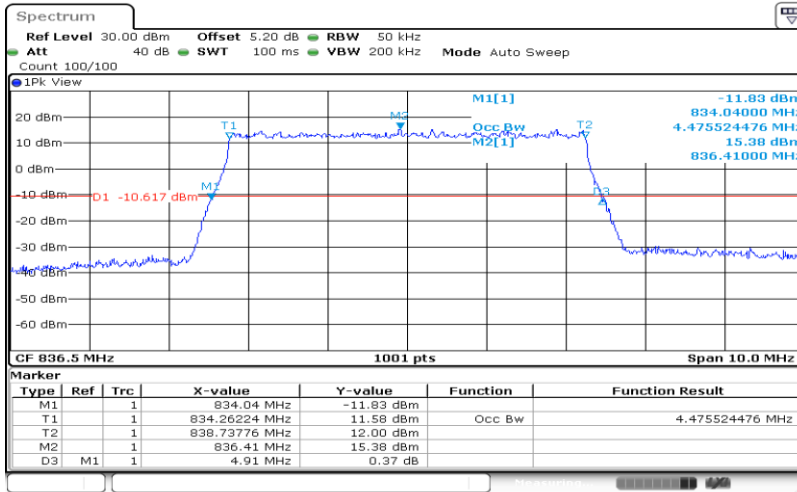
Band5-5MHz-QPSK-20425-25RB#0-4.476





Date: 19.MAY.2020 15:22:15

Band5-5MHz-QPSK-20525-25RB#0-4.476

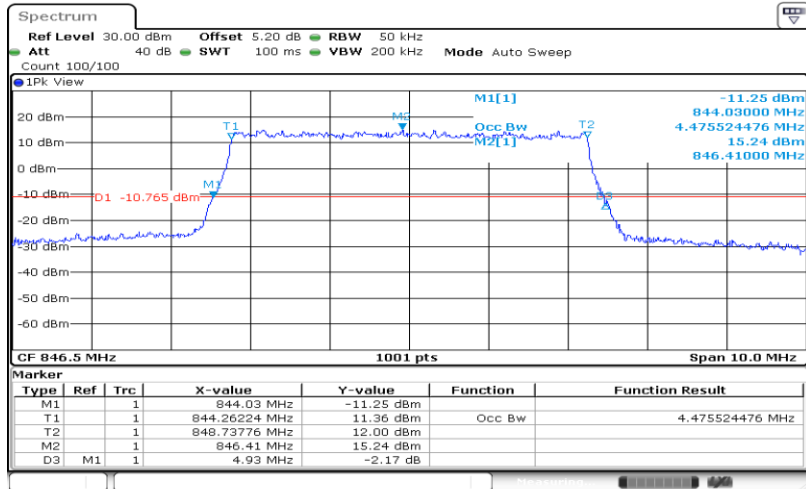


Date: 19.MAY.2020 15:22:54

Band5-5MHz-QPSK-20625-25RB#0-4.476

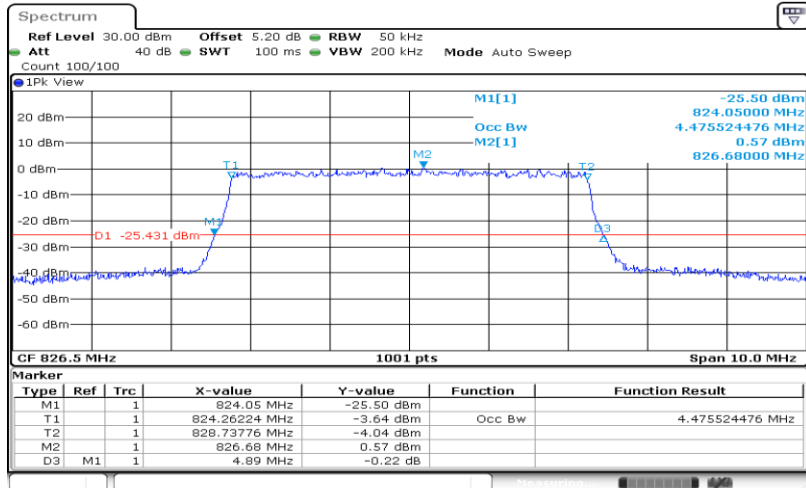


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:23:34

Band5-5MHz-64QAM-20425-25RB#0-4.476

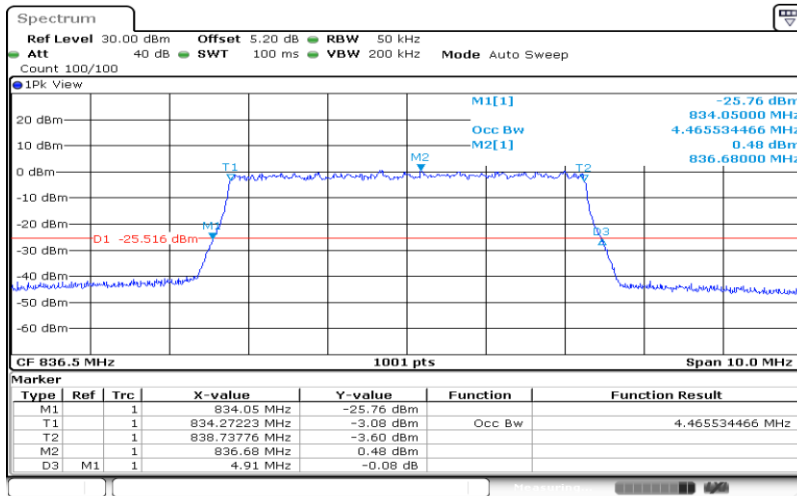


Date: 22.MAY.2020 08:54:35

Band5-5MHz-64QAM-20525-25RB#0-4.466

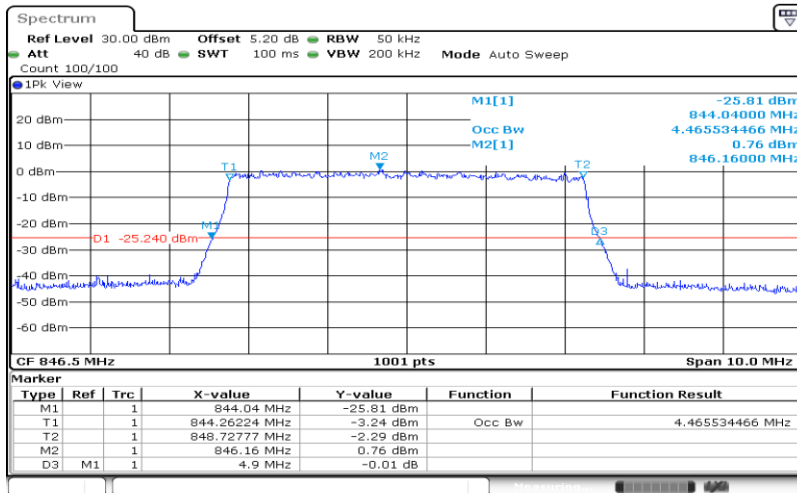


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:54:55

Band5-5MHz-64QAM-20625-25RB#0-4.466

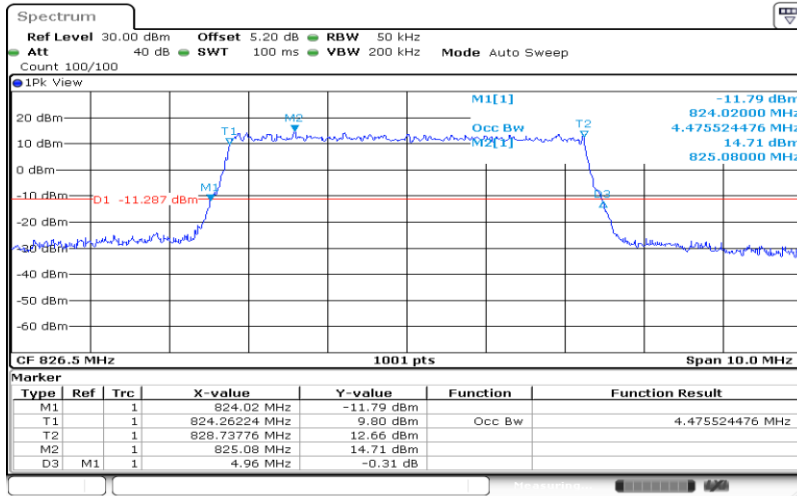


Date: 22.MAY.2020 08:55:15

Band5-5MHz-16QAM-20425-25RB#0-4.476

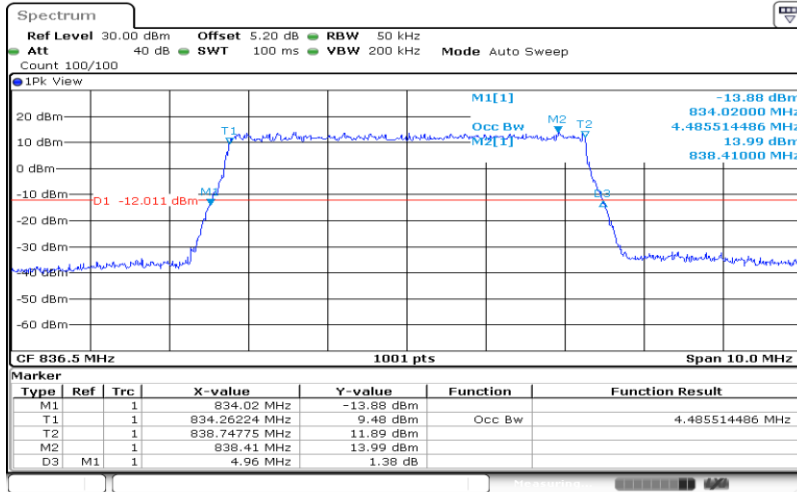


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:22:34

Band5-5MHz-16QAM-20525-25RB#0-4.486

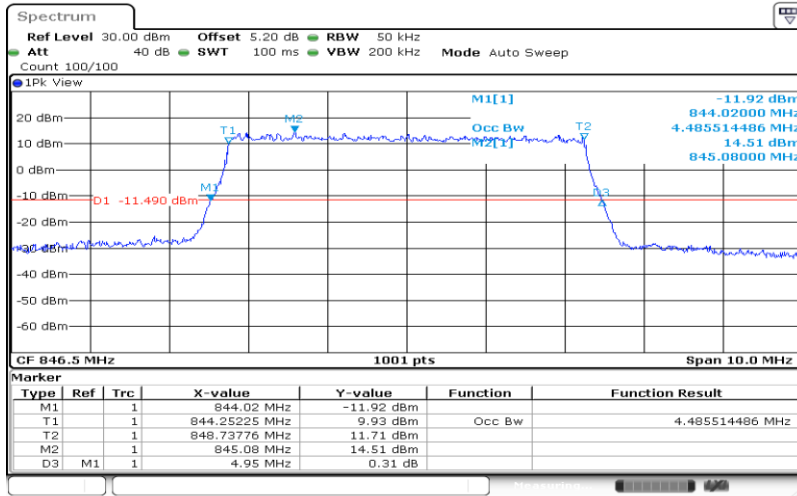


Date: 19.MAY.2020 15:23:14

Band5-5MHz-16QAM-20625-25RB#0-4.486

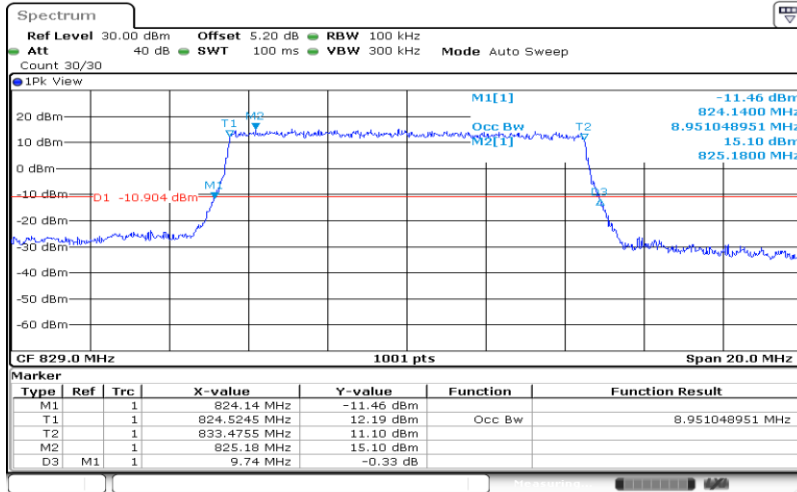


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:23:54

Band5-10MHz-QPSK-20450-50RB#0-8.951

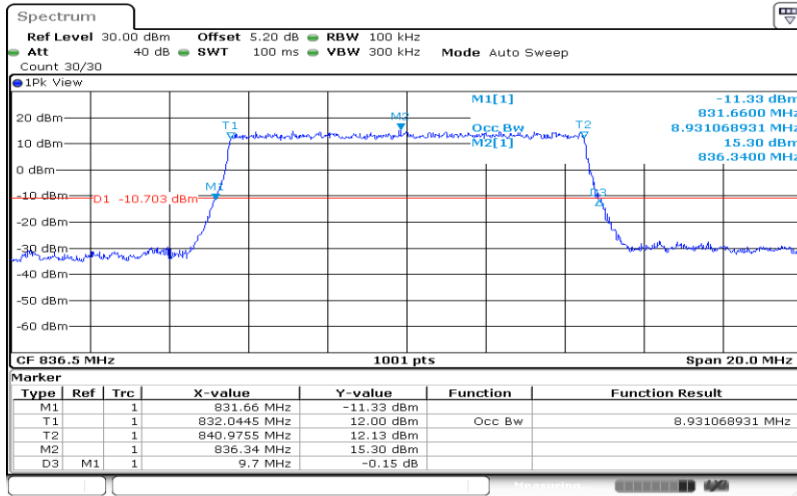


Date: 19.MAY.2020 15:24:12

Band5-10MHz-QPSK-20525-50RB#0-8.931

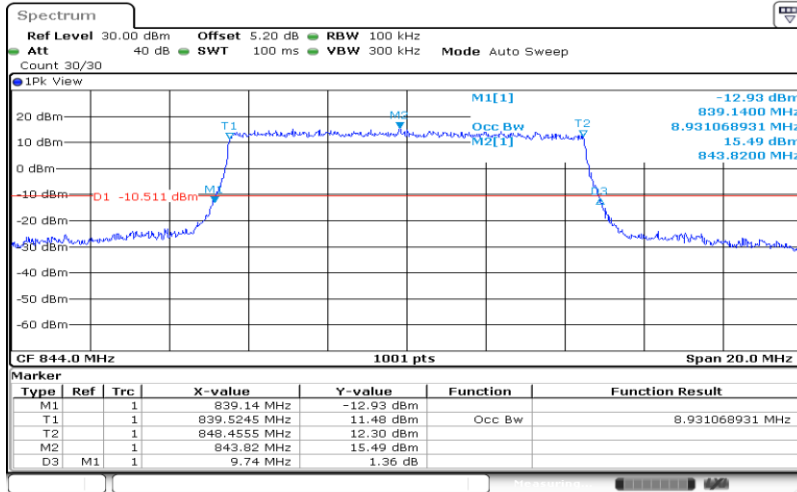


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:24:37

Band5-10MHz-QPSK-20600-50RB#0-8.931

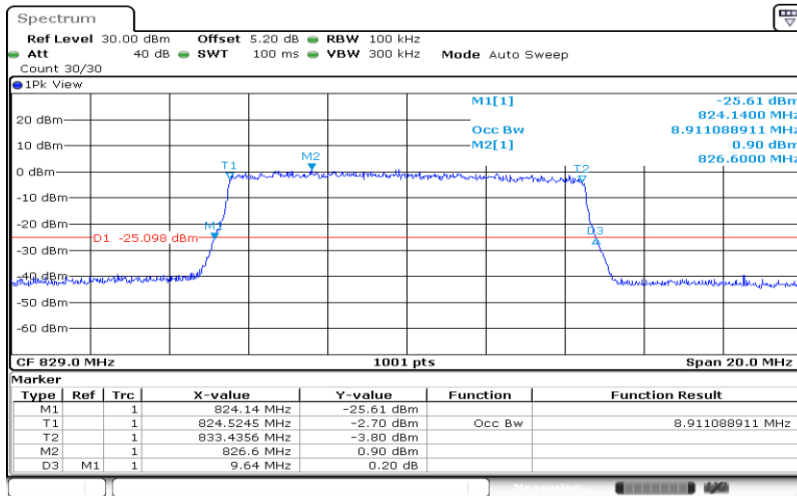


Date: 19.MAY.2020 15:25:03

Band5-10MHz-64QAM-20450-50RB#0-8.911

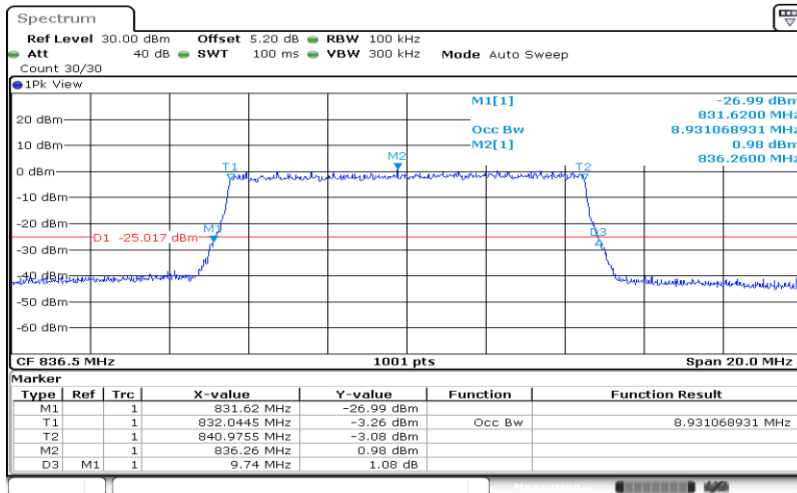


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:55:35

Band5-10MHz-64QAM-20525-50RB#0-8.931

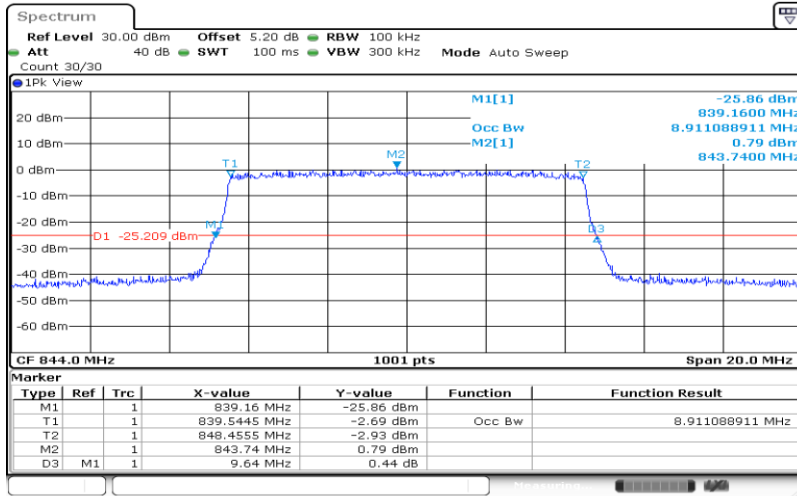


Date: 22.MAY.2020 08:55:48

Band5-10MHz-64QAM-20600-50RB#0-8.911

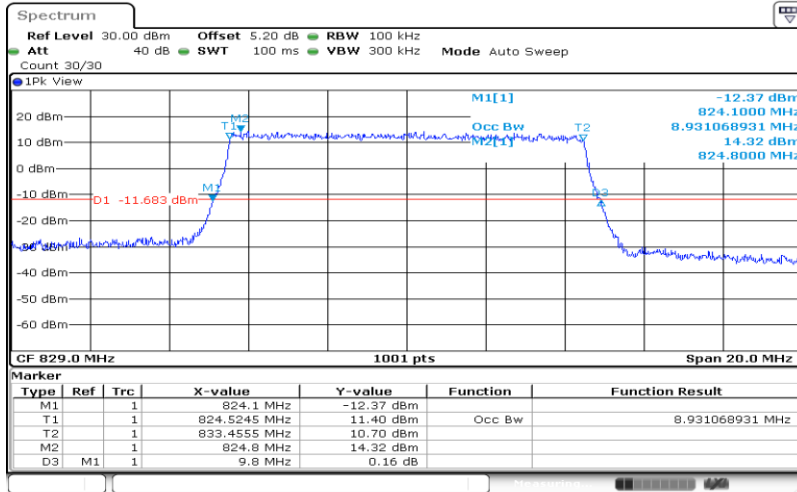


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:56:01

Band5-10MHz-16QAM-20450-50RB#0-8.931

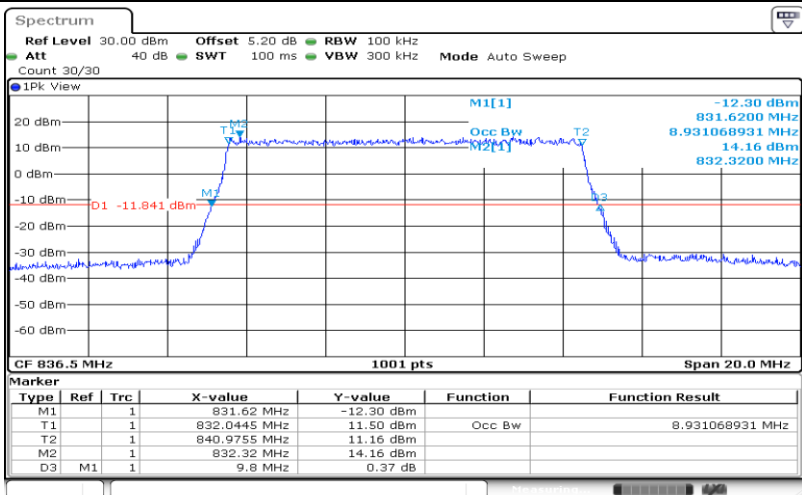


Date: 19.MAY.2020 15:24:24

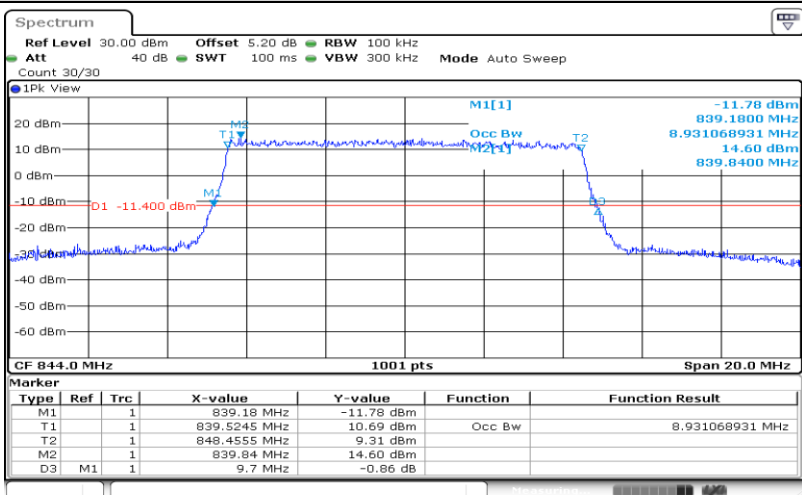
Band5-10MHz-16QAM-20525-50RB#0-8.931



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.



Band5-10MHz-16QAM-20600-50RB#0-8.931

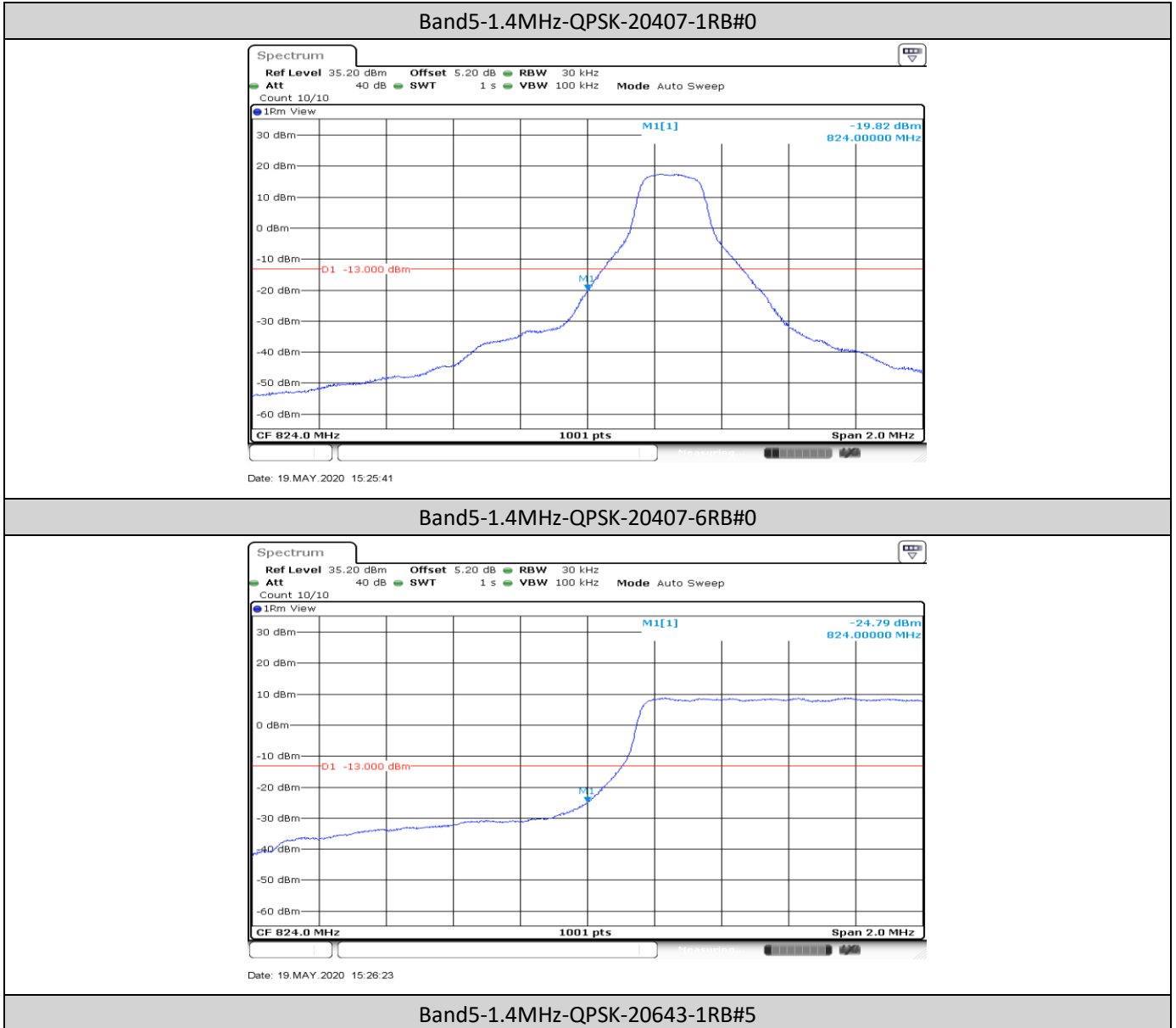


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

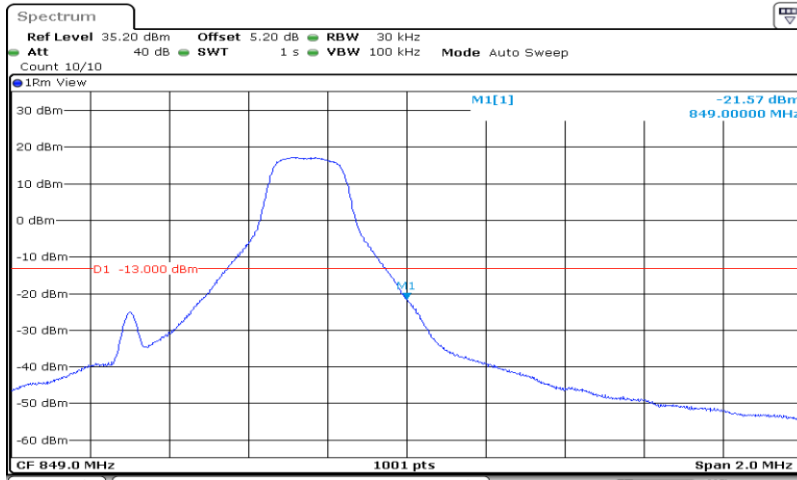
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

5. Band Edge Compliance

5.1. Test Plots

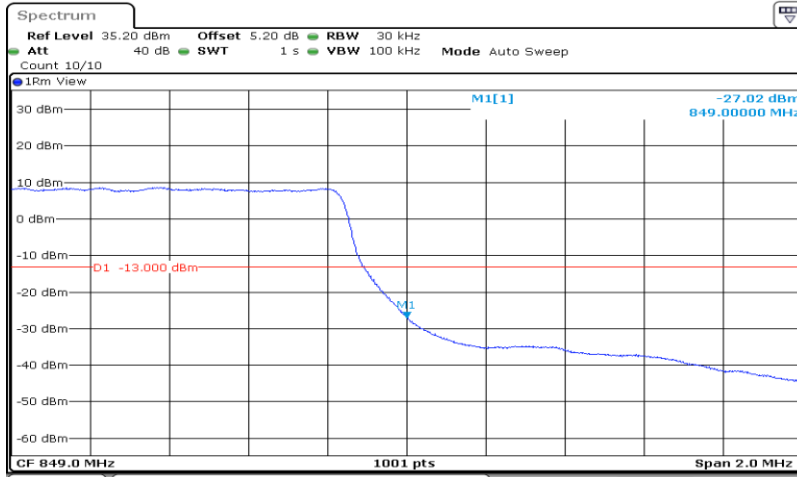


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 19.MAY.2020 15:27:08

Band5-1.4MHz-QPSK-20643-6RB#0

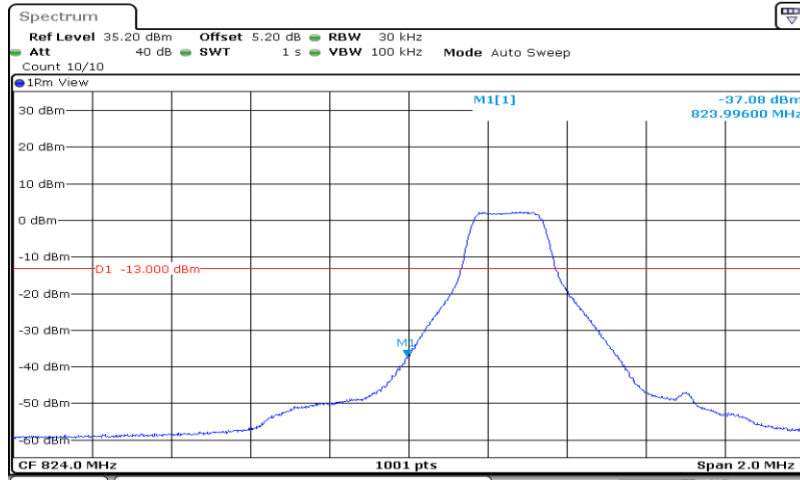


Date: 19.MAY.2020 15:27:49

Band5-1.4MHz-64QAM-20407-1RB#0

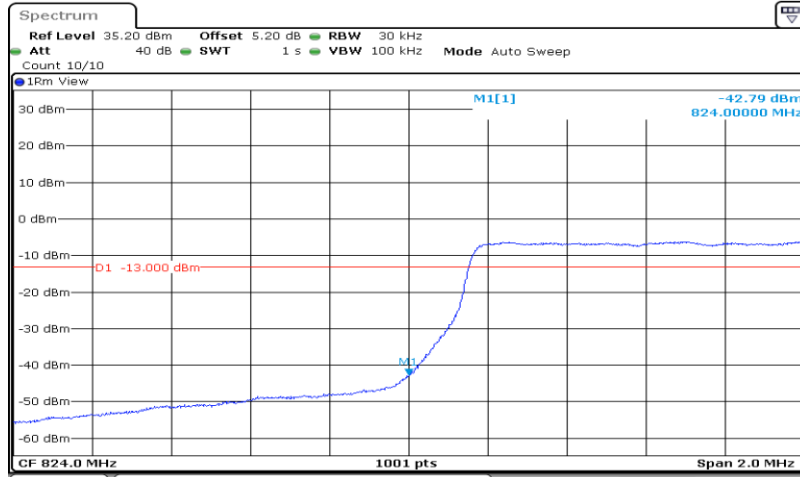


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22.MAY.2020 08:56:29

Band5-1.4MHz-64QAM-20407-6RB#0



Date: 22.MAY.2020 08:56:50

Band5-1.4MHz-64QAM-20643-1RB#5



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