



# Appendix B

## E-UTRA Band 4



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)



## CONTENT

<b>1. EFFECTIVE (ISOTROPIC) RADIATED POWER.....</b>	<b>3</b>
1.1. TEST RESULT .....	3
<b>2. PEAK-TO-AVERAGE RATIO(CCDF).....</b>	<b>10</b>
2.1. TEST RESULT .....	10
2.2. TEST PLOTS.....	10
<b>3. MODULATION CHARACTERISTICS .....</b>	<b>14</b>
3.1. TEST BAND = LTE BAND 4 .....	14
3.2. TEST MODE = LTE /TM1 20MHZ.....	14
3.2.1. TEST CHANNEL = MCH.....	14
3.3. TEST MODE = LTE /TM2 20MHZ.....	15
3.3.1. TEST CHANNEL = MCH.....	15
<b>4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....</b>	<b>16</b>
4.1. TEST RESULT .....	16
4.2. TEST PLOTS.....	17
<b>5. BAND EDGE COMPLIANCE .....</b>	<b>35</b>
5.1. TEST PLOTS.....	35
<b>6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....</b>	<b>59</b>
6.1. TEST PLOTS.....	59
<b>7. FIELD STRENGTH OF SPURIOUS RADIATION.....</b>	<b>65</b>
7.1. TEST BAND = LTE BAND 4 .....	65
7.1.1. TEST MODE =LTE/TM1 20MHZ.....	65
7.1.1.1. TEST CHANNEL = LCH .....	65
7.1.1.2. TEST CHANNEL = MCH.....	65
7.1.1.3. TEST CHANNEL = HCH .....	66
<b>8. FREQUENCY STABILITY .....</b>	<b>67</b>
8.1. FREQUENCY VS VOLTAGE .....	67
8.2. FREQUENCY VS TEMPERATURE .....	67



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



# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.95	22.22	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.98	22.25	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.91	22.18	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.01	22.28	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.12	22.39	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.20	22.47	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.03	21.30	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.00	22.27	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.13	22.40	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.82	22.09	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.90	22.17	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.18	22.45	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.17	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.05	21.32	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.72	21.99	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.83	22.10	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.77	22.04	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.78	22.05	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.75	22.02	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.80	22.07	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.88	21.15	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.61	20.88	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.98	21.25	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.12	20.39	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.83	21.10	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.88	21.15	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.02	21.29	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.98	20.25	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.32	20.59	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.43	20.70	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.05	21.32	30.00	PASS



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

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



Band4	1.4MHz	16QAM	20175	3RB#0	21.02	21.29	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.97	21.24	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.93	21.20	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.10	20.37	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.71	20.98	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.92	21.19	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.86	21.13	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.76	21.03	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.05	21.32	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.86	21.13	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.72	19.99	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.91	22.18	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.20	22.47	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.19	22.46	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.98	21.25	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.99	21.26	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.01	21.28	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.03	21.30	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.79	22.06	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.80	22.07	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.79	22.06	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.05	21.32	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.16	21.43	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.16	21.43	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.18	21.45	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.68	21.95	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.93	22.20	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.90	22.17	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.83	21.10	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.89	21.16	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.78	21.05	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.83	21.10	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.41	20.68	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.48	20.75	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.58	20.85	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.00	20.27	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.04	20.31	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.06	20.33	30.00	PASS



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

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



Band4	3MHz	16QAM	19965	15RB#0	19.91	20.18	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.19	21.46	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.00	21.27	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.88	21.15	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.31	20.58	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.07	20.34	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.97	20.24	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.12	20.39	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.84	21.11	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.09	21.36	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.78	21.05	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.95	20.22	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.80	20.07	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.12	20.39	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.87	20.14	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.82	22.09	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.99	22.26	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.95	22.22	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.89	21.16	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.99	21.26	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.89	21.16	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.90	21.17	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.81	22.08	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.88	22.15	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.73	22.00	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.99	21.26	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.08	21.35	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.99	21.26	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.09	21.36	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.71	21.98	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.78	22.05	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.61	21.88	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.91	21.18	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.85	21.12	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.92	21.19	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.83	21.10	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.28	20.55	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.90	21.17	30.00	PASS



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

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



Band4	5MHz	16QAM	19975	1RB#24	20.18	20.45	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.98	20.25	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.08	20.35	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.92	20.19	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.02	20.29	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.61	20.88	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.09	20.36	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.43	20.70	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.11	20.38	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.99	20.26	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.93	20.20	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.98	20.25	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.77	21.04	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.12	20.39	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.88	21.15	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.48	19.75	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.34	19.61	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.86	20.13	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.95	20.22	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.89	22.16	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.31	22.58	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.73	22.00	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.12	21.39	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.13	21.40	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.07	21.34	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.14	21.41	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.92	22.19	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.17	22.44	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.53	21.80	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.17	21.44	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.07	21.34	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.98	21.25	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.06	21.33	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.92	22.19	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.95	22.22	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.84	22.11	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.93	21.20	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.36	20.63	30.00	PASS



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

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



Band4	10MHz	QPSK	20350	25RB#25	20.86	21.13	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.92	21.19	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.37	20.64	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.91	21.18	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.35	20.62	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.07	20.34	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.20	20.47	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.21	20.48	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.18	20.45	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.67	20.94	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.00	21.27	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.40	20.67	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.08	20.35	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.12	20.39	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.28	20.55	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.08	20.35	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.88	21.15	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.88	21.15	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.26	21.53	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.93	20.20	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.46	19.73	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.77	20.04	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.95	20.22	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.77	22.04	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.14	22.41	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.03	22.30	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.13	21.40	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.19	21.46	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.03	21.30	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.03	21.30	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.04	22.31	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.09	22.36	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.85	22.12	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.18	21.45	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.12	21.39	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.03	21.30	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.08	21.35	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.93	22.20	30.00	PASS



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

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



Band4	15MHz	QPSK	20325	1RB#38	21.98	22.25	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.68	21.95	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	20.93	21.20	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	20.90	21.17	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	20.84	21.11	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.87	21.14	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.10	20.37	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.08	21.35	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.65	20.92	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	19.95	20.22	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.11	20.38	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	19.83	20.10	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.02	20.29	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.40	21.67	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.39	21.66	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.71	20.98	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.00	20.27	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.09	20.36	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.12	20.39	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.04	20.31	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.05	21.32	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.30	21.57	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	20.89	21.16	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	19.96	20.23	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.03	20.30	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	19.83	20.10	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.01	20.28	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.59	21.86	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.33	22.60	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.71	21.98	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.03	21.30	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.10	21.37	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.05	21.32	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.14	21.41	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.72	21.99	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.18	22.45	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.59	21.86	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.20	21.47	30.00	PASS



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

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





Band4	20MHz	QPSK	20175	50RB#25	21.13	21.40	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	20.95	21.22	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.05	21.32	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.81	22.08	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.27	22.54	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.62	21.89	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.10	21.37	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.89	21.16	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.91	21.18	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.04	21.31	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.82	21.09	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.75	21.02	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.61	20.88	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.92	20.19	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.04	20.31	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.08	20.35	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.15	20.42	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.94	21.21	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.09	21.36	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.56	20.83	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.07	20.34	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.12	20.39	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.99	20.26	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.00	20.27	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.27	20.54	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.62	20.89	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.59	20.86	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.04	20.31	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	19.95	20.22	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.03	20.30	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	19.98	20.25	30.00	PASS

Remark:

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

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



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.

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

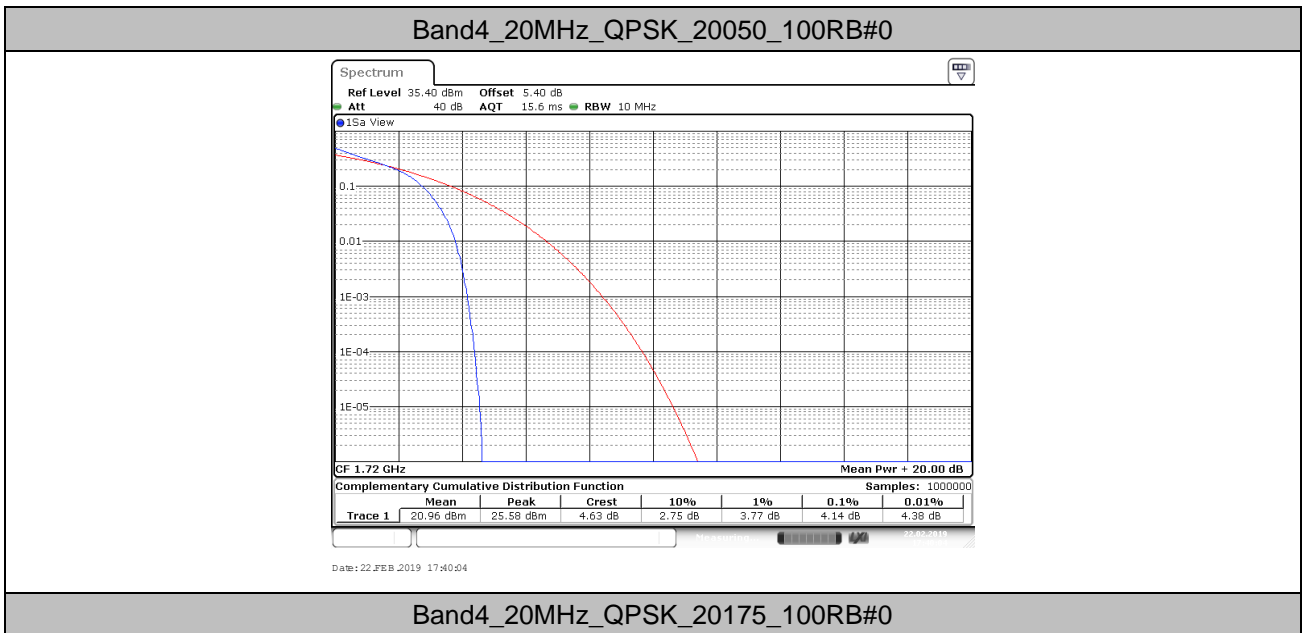
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

### 2.1. Test Result

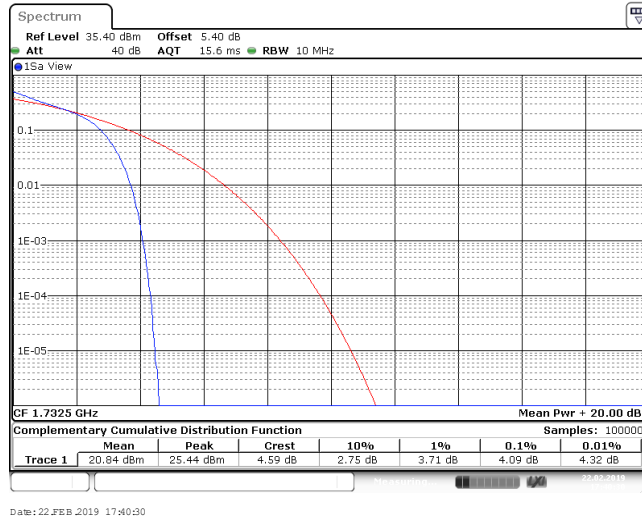
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.14	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.09	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	3.74	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.86	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.48	13	PASS

### 2.2. Test Plots



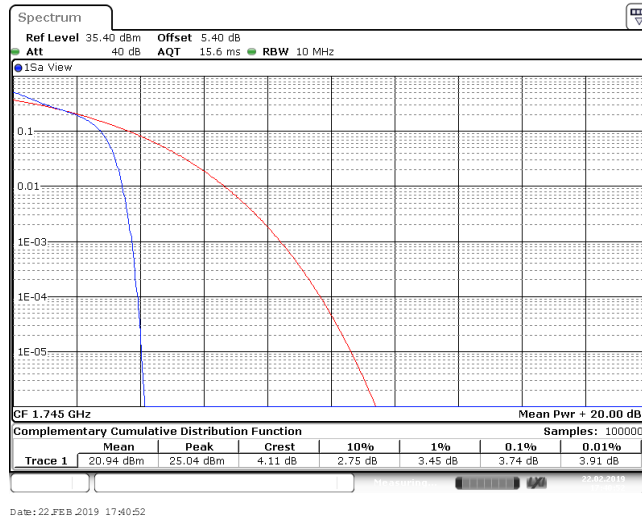
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



Date: 22\_FEB\_2019 17:40:30

**Band4\_20MHz\_QPSK\_20300\_100RB#0**



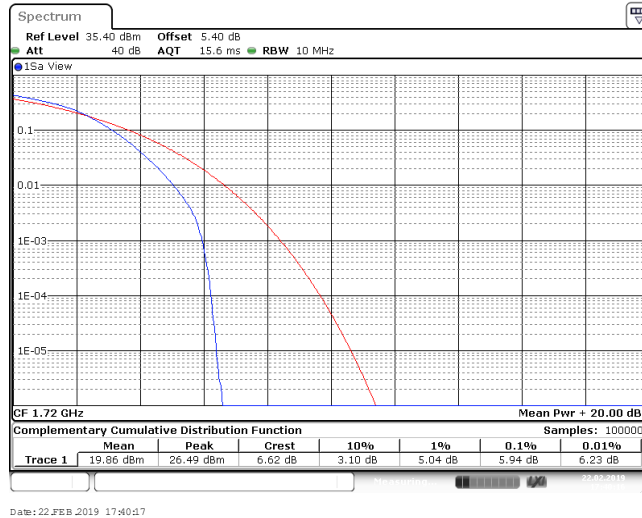
Date: 22\_FEB\_2019 17:40:52

**Band4\_20MHz\_16QAM\_20050\_100RB#0**



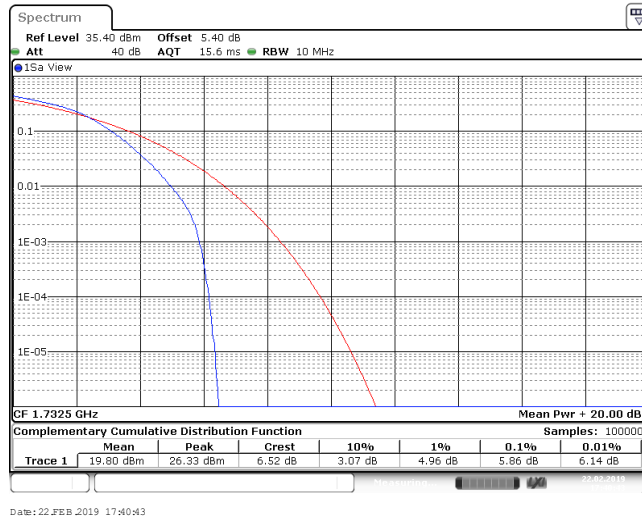
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22\_FEB\_2019 17:40:17

**Band4\_20MHz\_16QAM\_20175\_100RB#0**

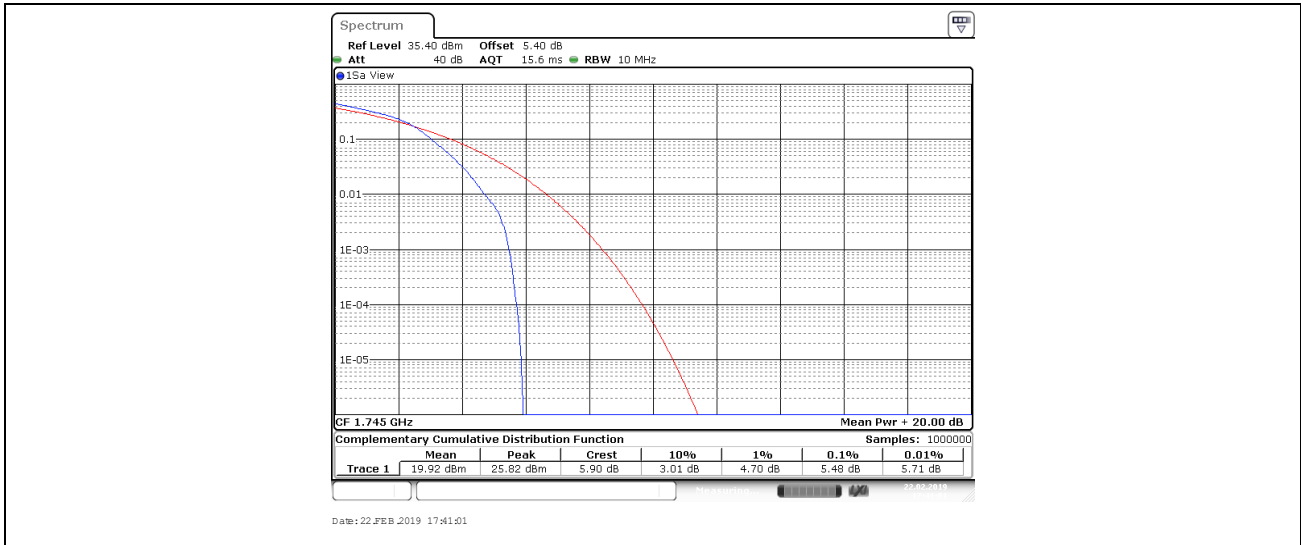


Date: 22\_FEB\_2019 17:40:43

**Band4\_20MHz\_16QAM\_20300\_100RB#0**



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



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.

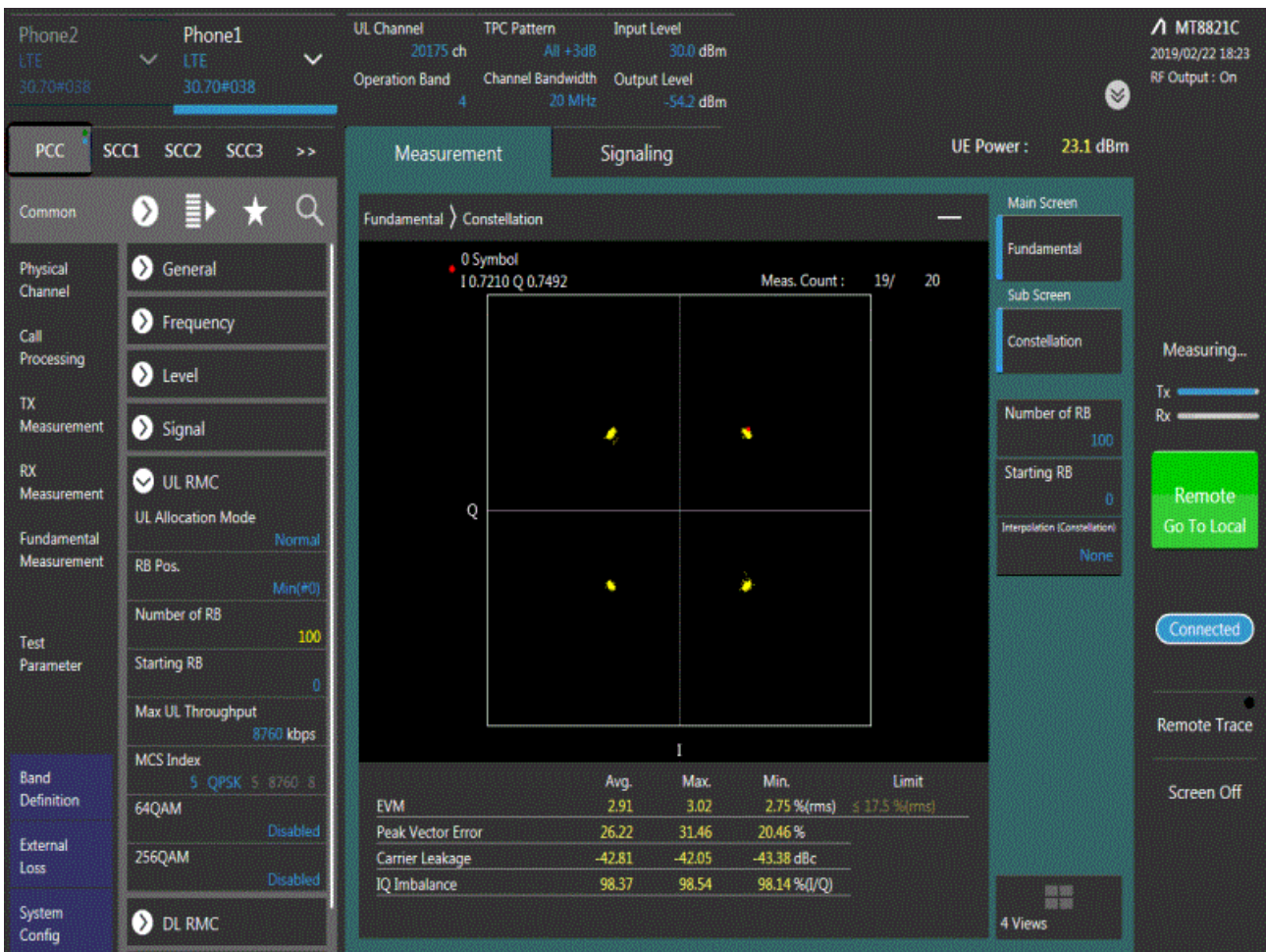
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 4

#### 3.2. Test Mode = LTE /TM1 20MHz

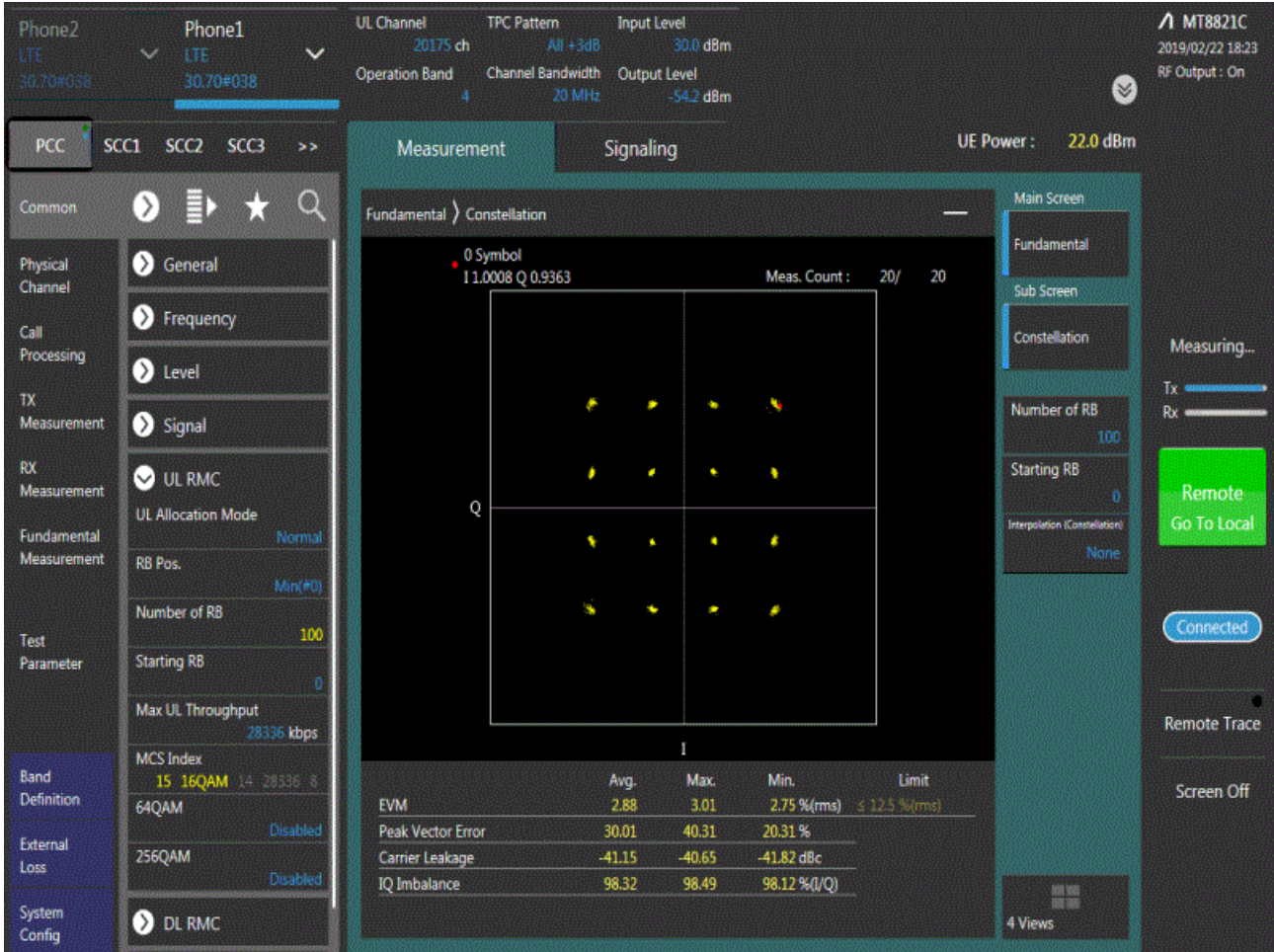
#### 3.2.1. Test Channel = MCH



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.

### 3.3. Test Mode = LTE /TM2 20MHz

#### 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.

## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.311	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.311	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.094	1.311	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.094	1.317	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.088	1.305	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.094	1.302	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	2.994	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.982	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.691	2.970	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.976	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.940	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.930	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.960	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	4.960	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.970	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	5.000	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.700	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.680	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.700	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.760	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.760	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.670	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.397	14.820	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.440	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.

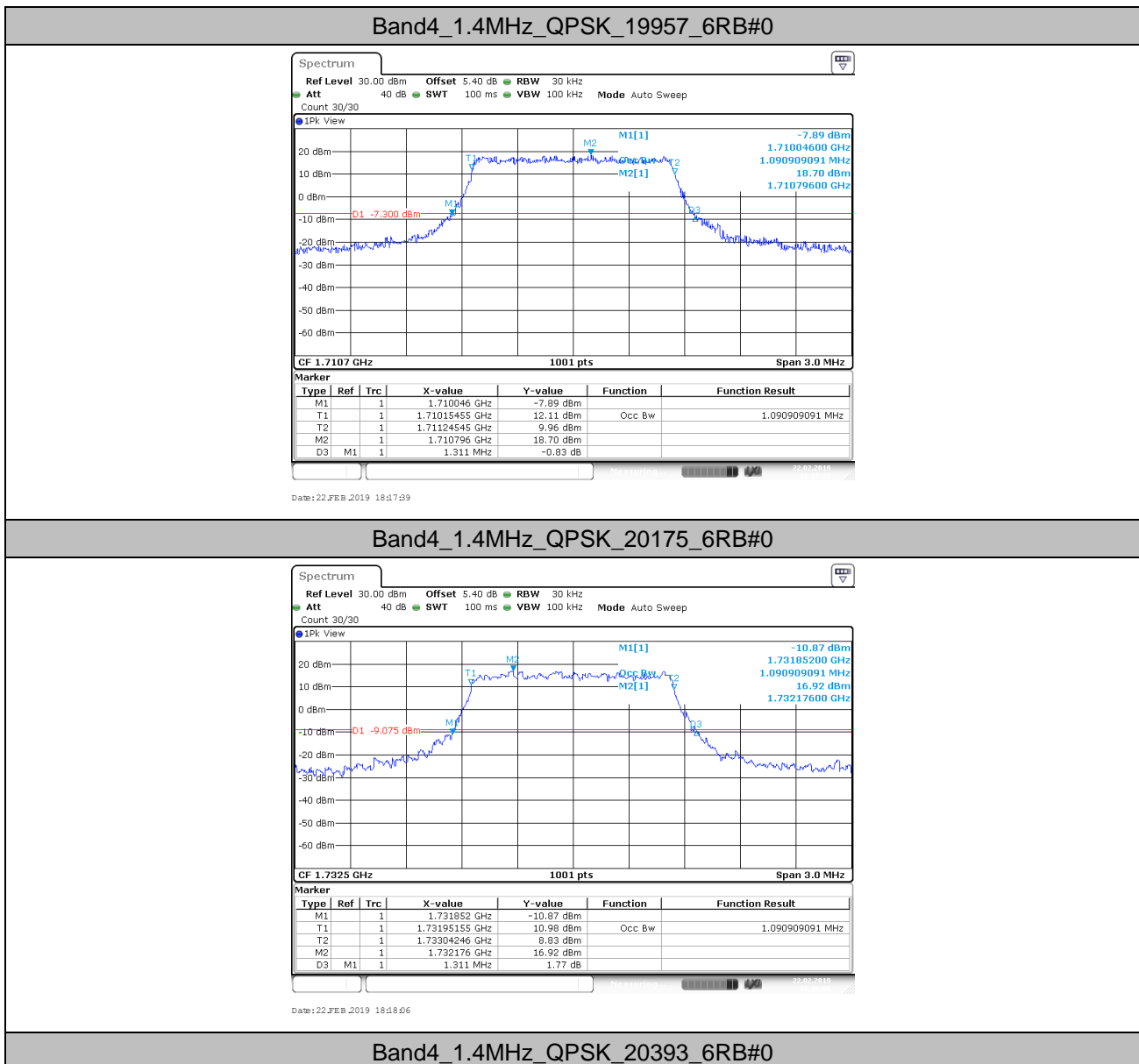
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)



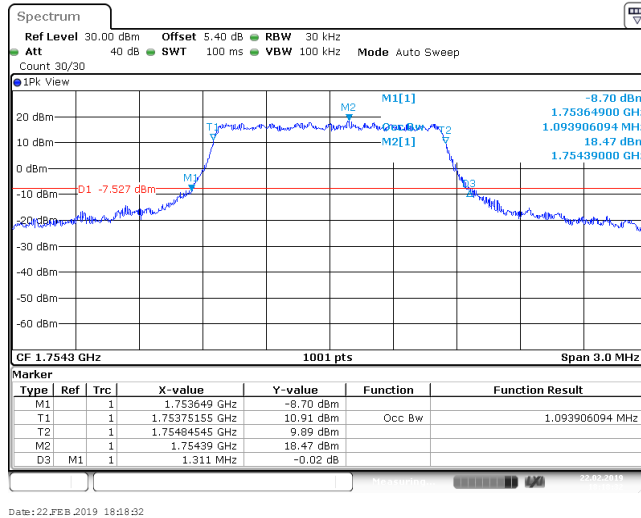


Band4	20MHz	QPSK	20175	100RB#0	17.822	19.360	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.822	19.480	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.280	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.360	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.360	PASS

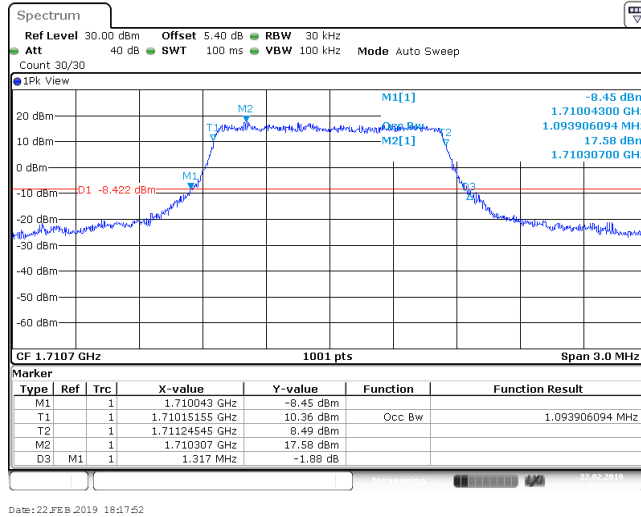
## 4.2. Test Plots



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



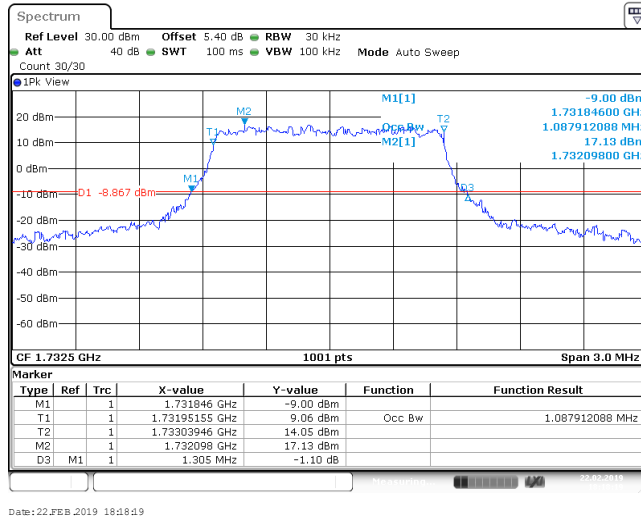
**Band4\_1.4MHz\_16QAM\_19957\_6RB#0**



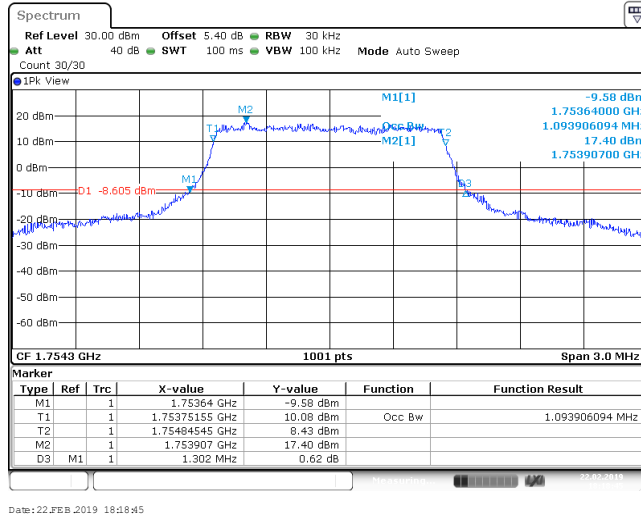
**Band4\_1.4MHz\_16QAM\_20175\_6RB#0**



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.



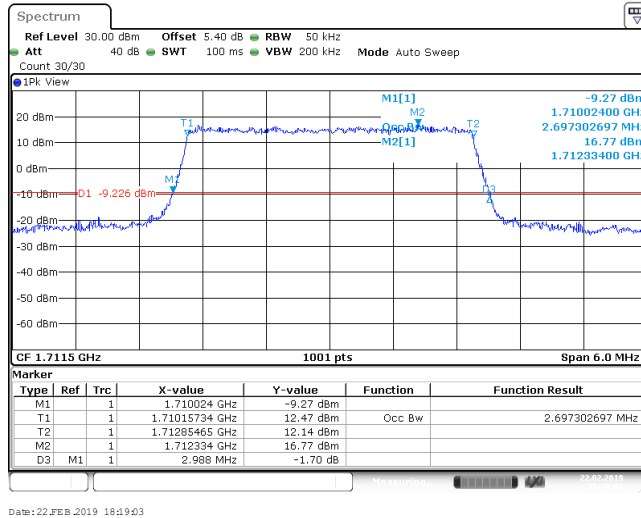
**Band4\_1.4MHz\_16QAM\_20393\_6RB#0**



**Band4\_3MHz\_QPSK\_19965\_15RB#0**

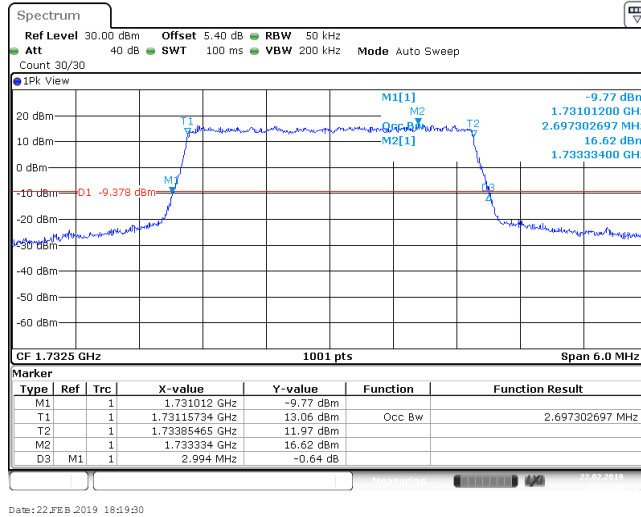


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22 FEB 2019 18:19:03

**Band4\_3MHz\_QPSK\_20175\_15RB#0**

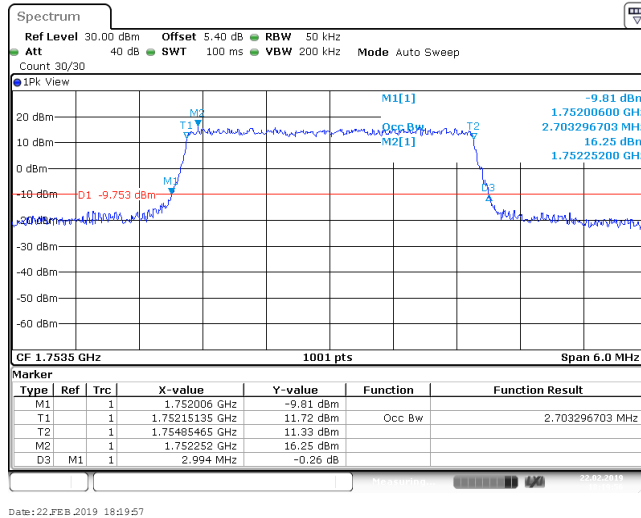


Date: 22 FEB 2019 18:19:30

**Band4\_3MHz\_QPSK\_20385\_15RB#0**

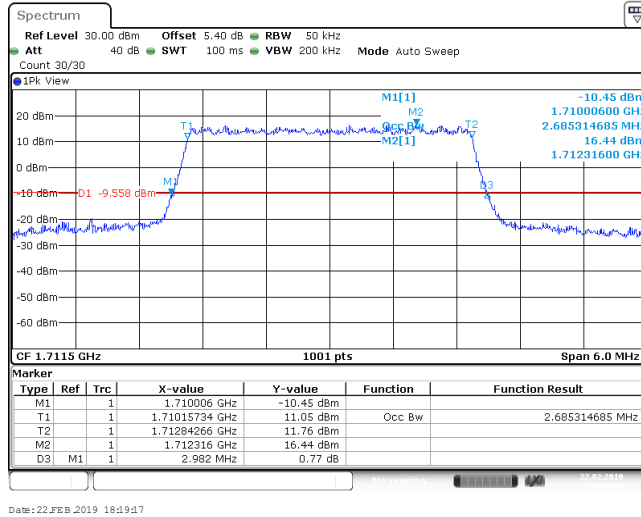


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.FEB.2019 18:19:57

**Band4\_3MHz\_16QAM\_19965\_15RB#0**

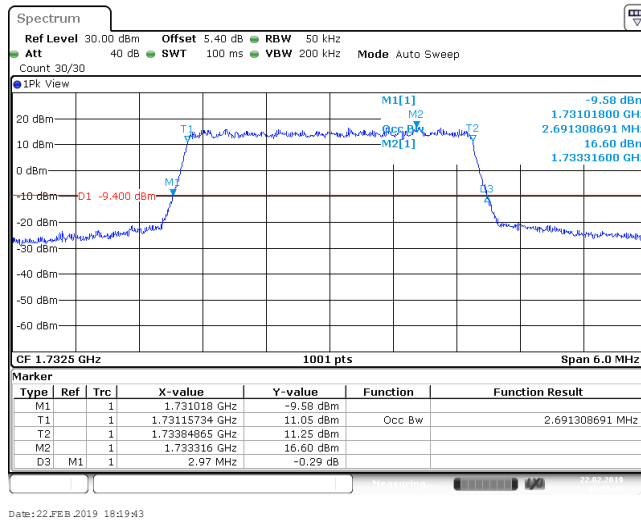


Date: 22.FEB.2019 18:19:17

**Band4\_3MHz\_16QAM\_20175\_15RB#0**

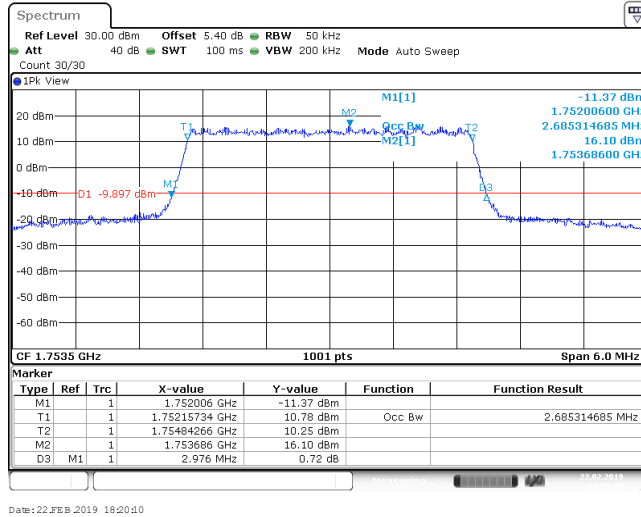


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 FEB 2019 18:19:43

**Band4\_3MHz\_16QAM\_20385\_15RB#0**

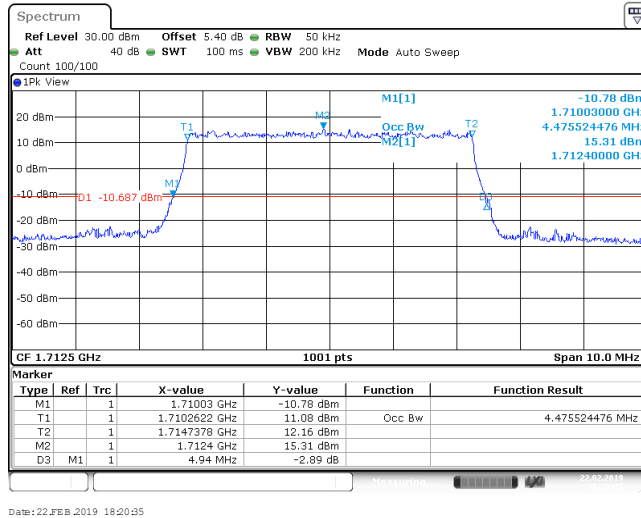


Date: 22 FEB 2019 18:20:10

**Band4\_5MHz\_QPSK\_19975\_25RB#0**

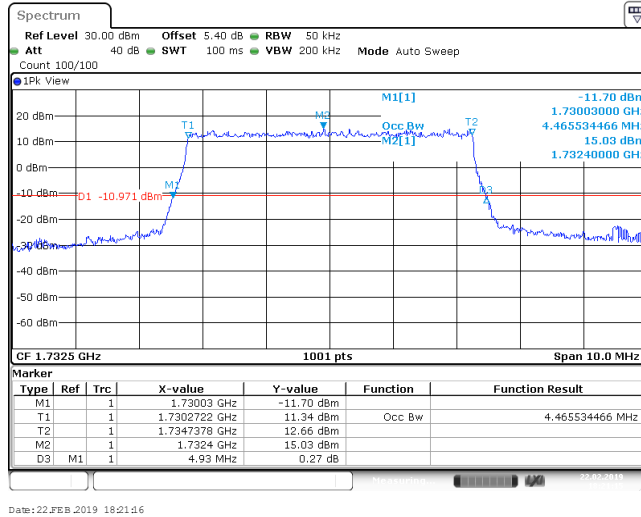


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 FEB 2019 18:20:35

**Band4\_5MHz\_QPSK\_20175\_25RB#0**

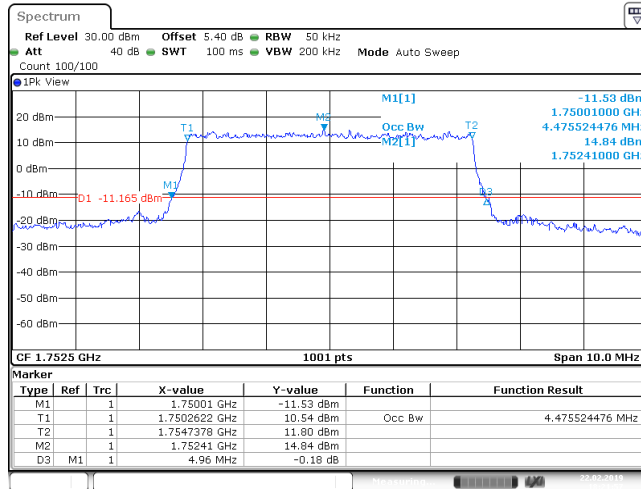


Date: 22 FEB 2019 18:21:16

**Band4\_5MHz\_QPSK\_20375\_25RB#0**

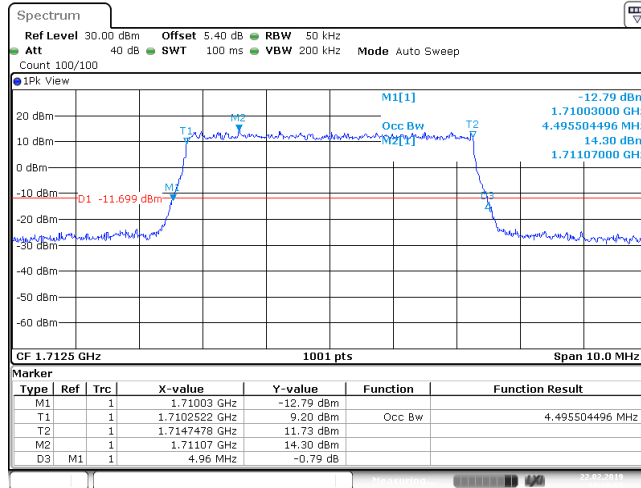


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 FEB 2019 18:21:57

**Band4\_5MHz\_16QAM\_19975\_25RB#0**



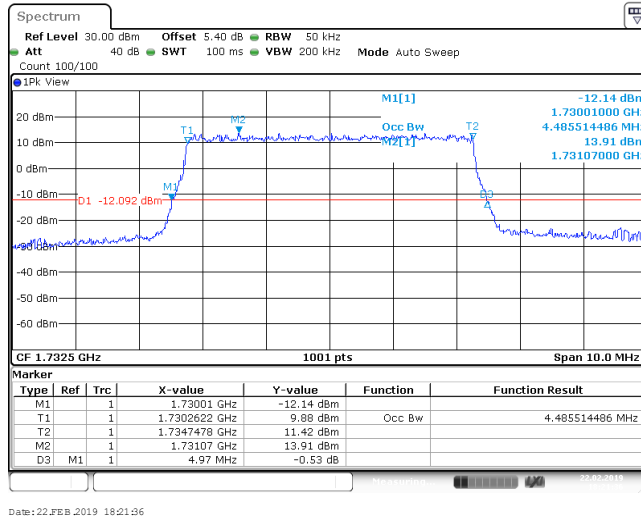
Date: 22 FEB 2019 18:20:56

**Band4\_5MHz\_16QAM\_20175\_25RB#0**

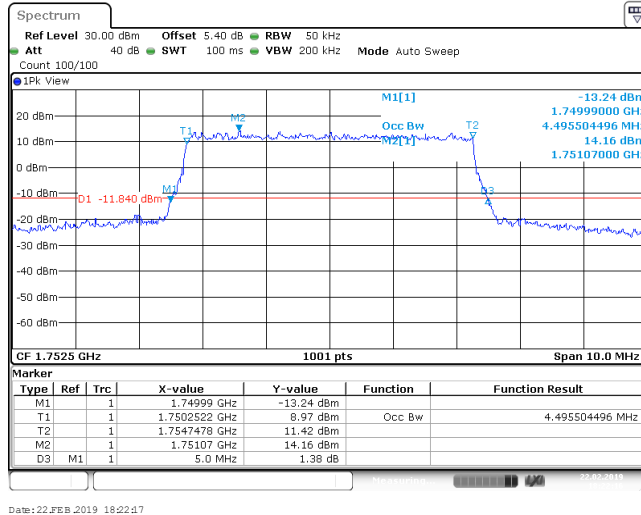


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





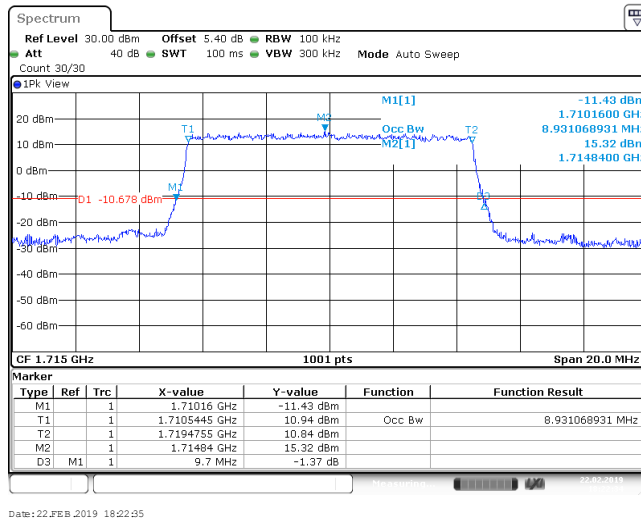
**Band4\_5MHz\_16QAM\_20375\_25RB#0**



**Band4\_10MHz\_QPSK\_20000\_50RB#0**

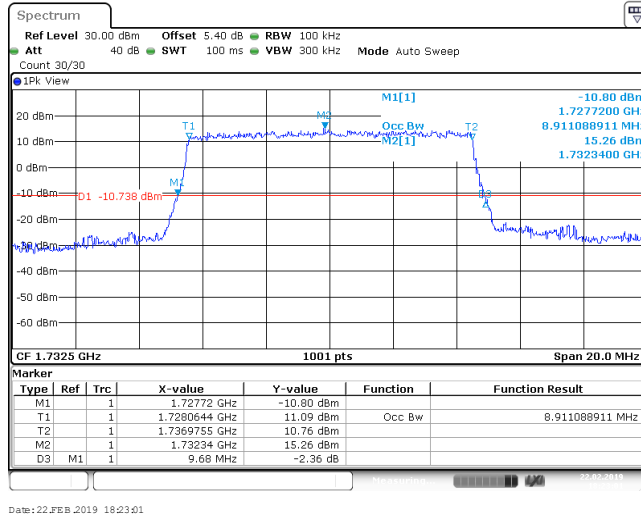


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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: 22 FEB 2019 18:22:05

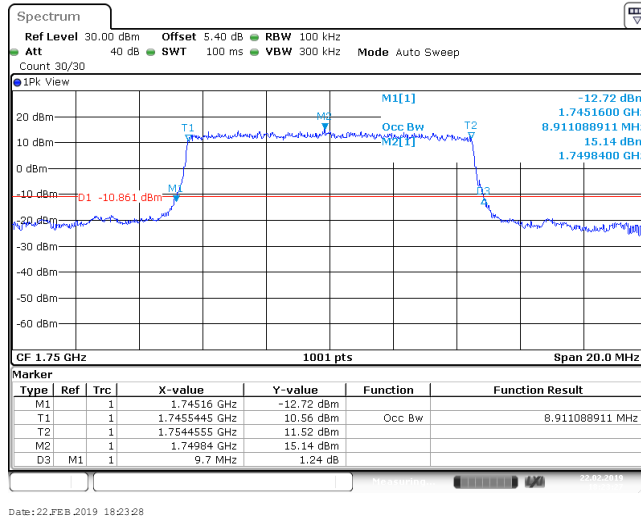
**Band4\_10MHz\_QPSK\_20175\_50RB#0**



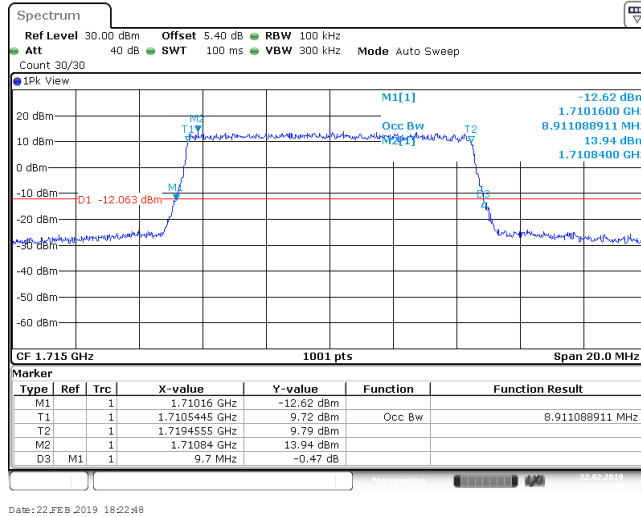
Date: 22 FEB 2019 18:23:01

**Band4\_10MHz\_QPSK\_20350\_50RB#0**





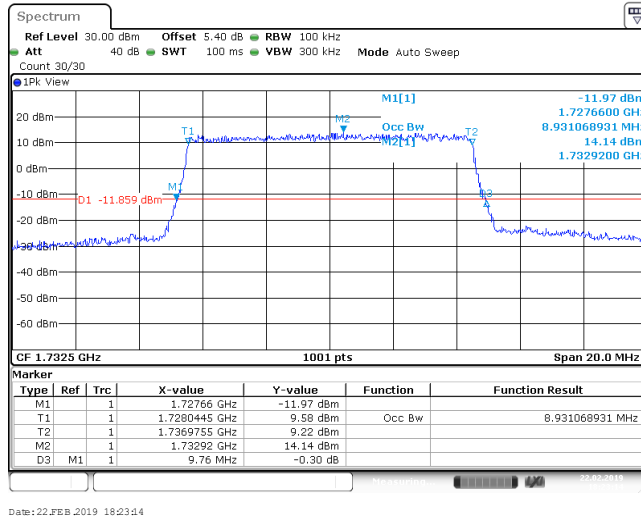
**Band4\_10MHz\_16QAM\_2000\_50RB#**



**Band4\_10MHz\_16QAM\_20175\_50RB#**

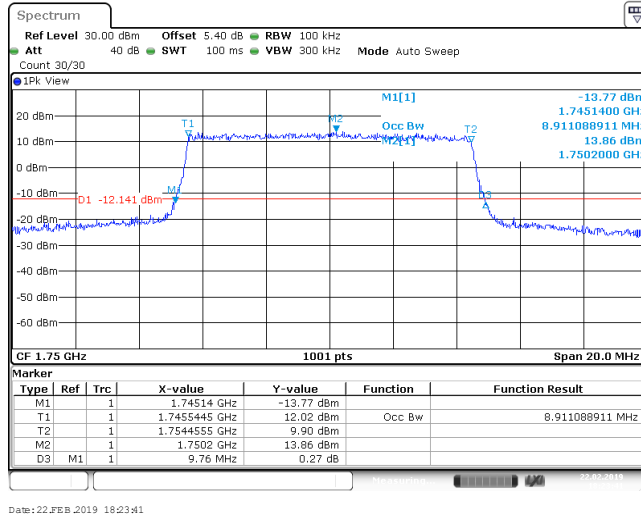


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.FEB.2019 18:23:14

**Band4\_10MHz\_16QAM\_20350\_50RB#0**

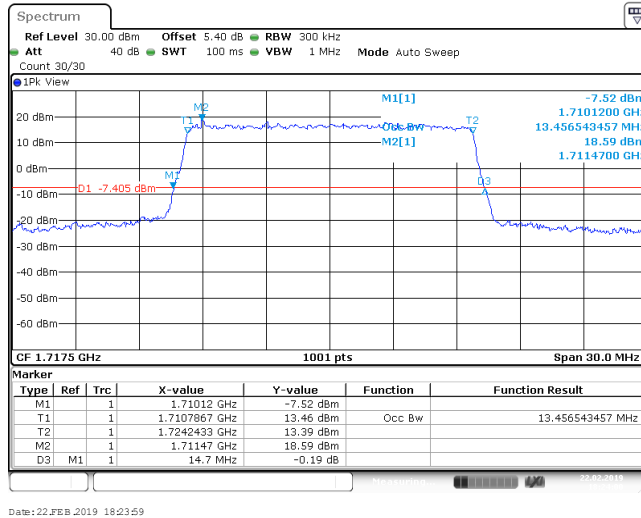


Date: 22.FEB.2019 18:23:41

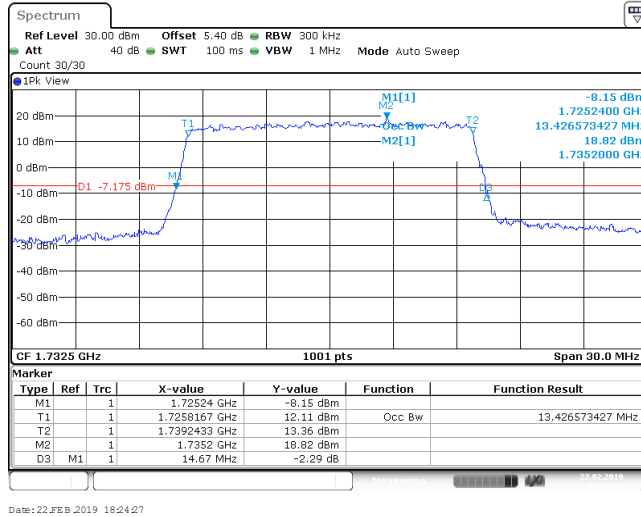
**Band4\_15MHz\_QPSK\_2025\_75RB#0**



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



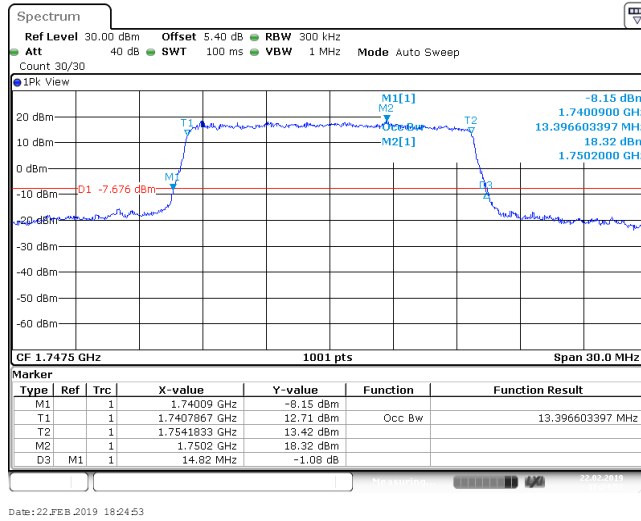
**Band4\_15MHz\_QPSK\_20175\_75RB#0**



**Band4\_15MHz\_QPSK\_20325\_75RB#0**

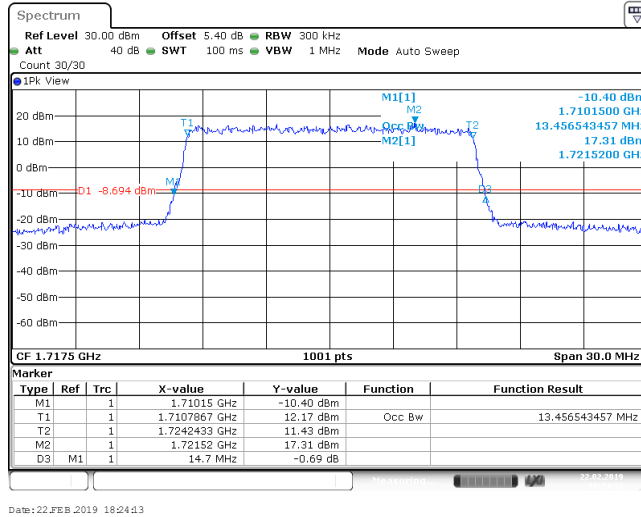


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 FEB 2019 18:24:53

**Band4\_15MHz\_16QAM\_2025\_75RB#0**

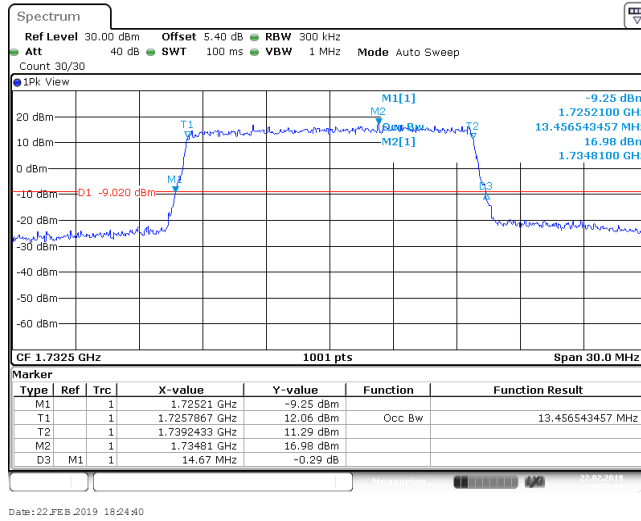


Date: 22 FEB 2019 18:24:53

**Band4\_15MHz\_16QAM\_20175\_75RB#0**

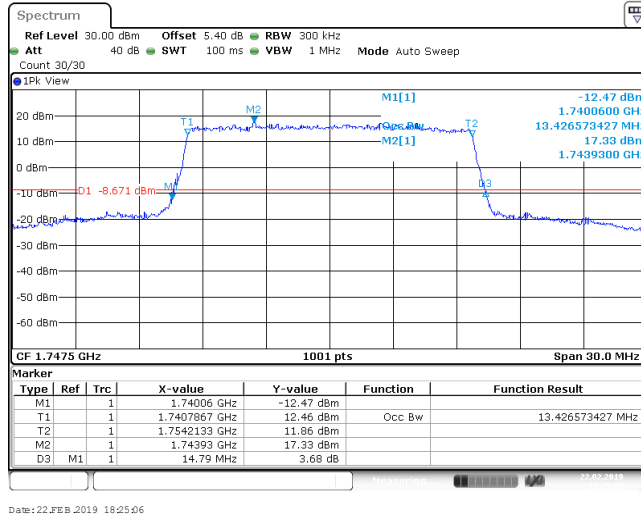


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 FEB 2019 18:24:40

**Band4\_15MHz\_16QAM\_20325\_75RB#0**

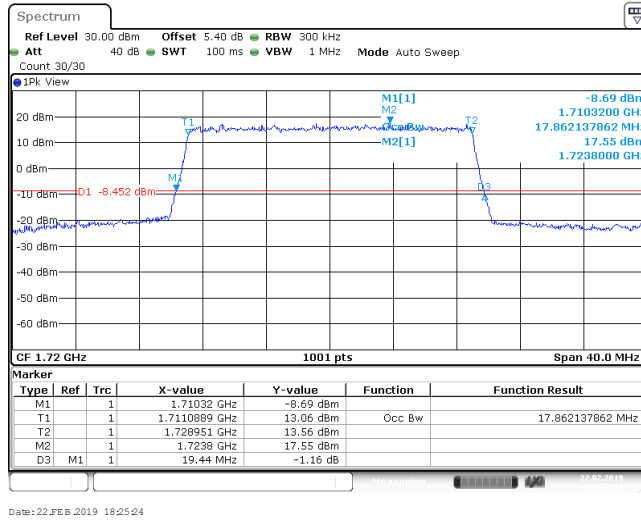


Date: 22 FEB 2019 18:25:06

**Band4\_20MHz\_QPSK\_20050\_100RB#0**

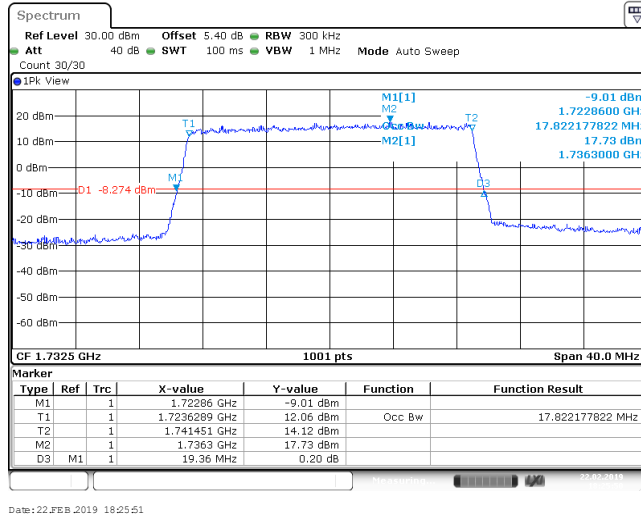


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22 FEB 2019 18:25:24

**Band4\_20MHz\_QPSK\_20175\_100RB#0**



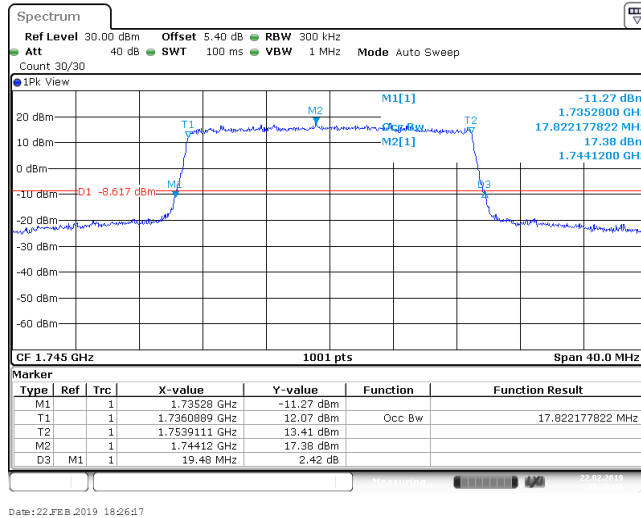
Date: 22 FEB 2019 18:25:51

**Band4\_20MHz\_QPSK\_20300\_100RB#0**



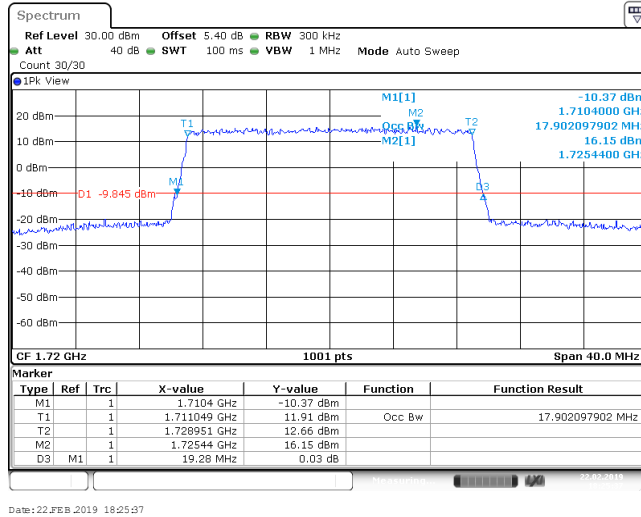
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 FEB 2019 18:26:17

**Band4\_20MHz\_16QAM\_20050\_100RB#0**

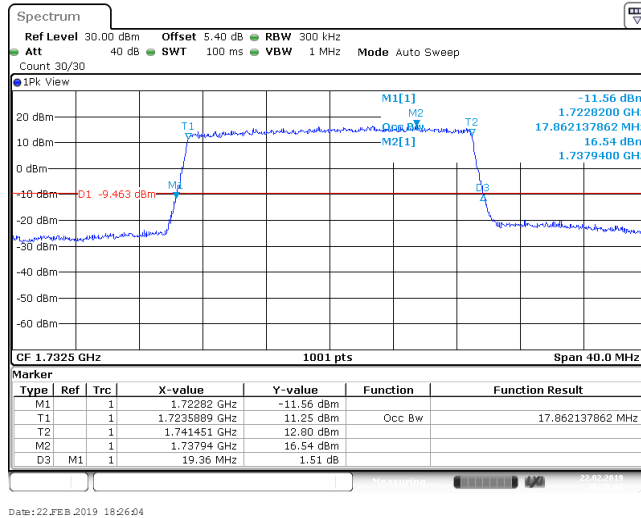


Date: 22 FEB 2019 18:25:37

**Band4\_20MHz\_16QAM\_20175\_100RB#0**

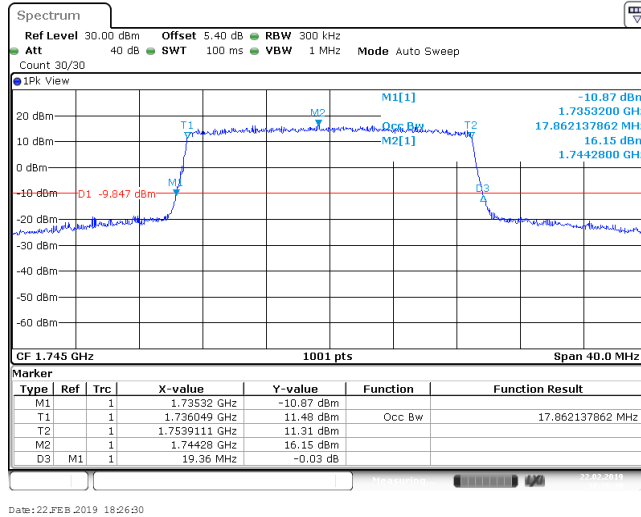


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 22 FEB 2019 18:26:04

**Band4\_20MHz\_16QAM\_20300\_100RB#0**



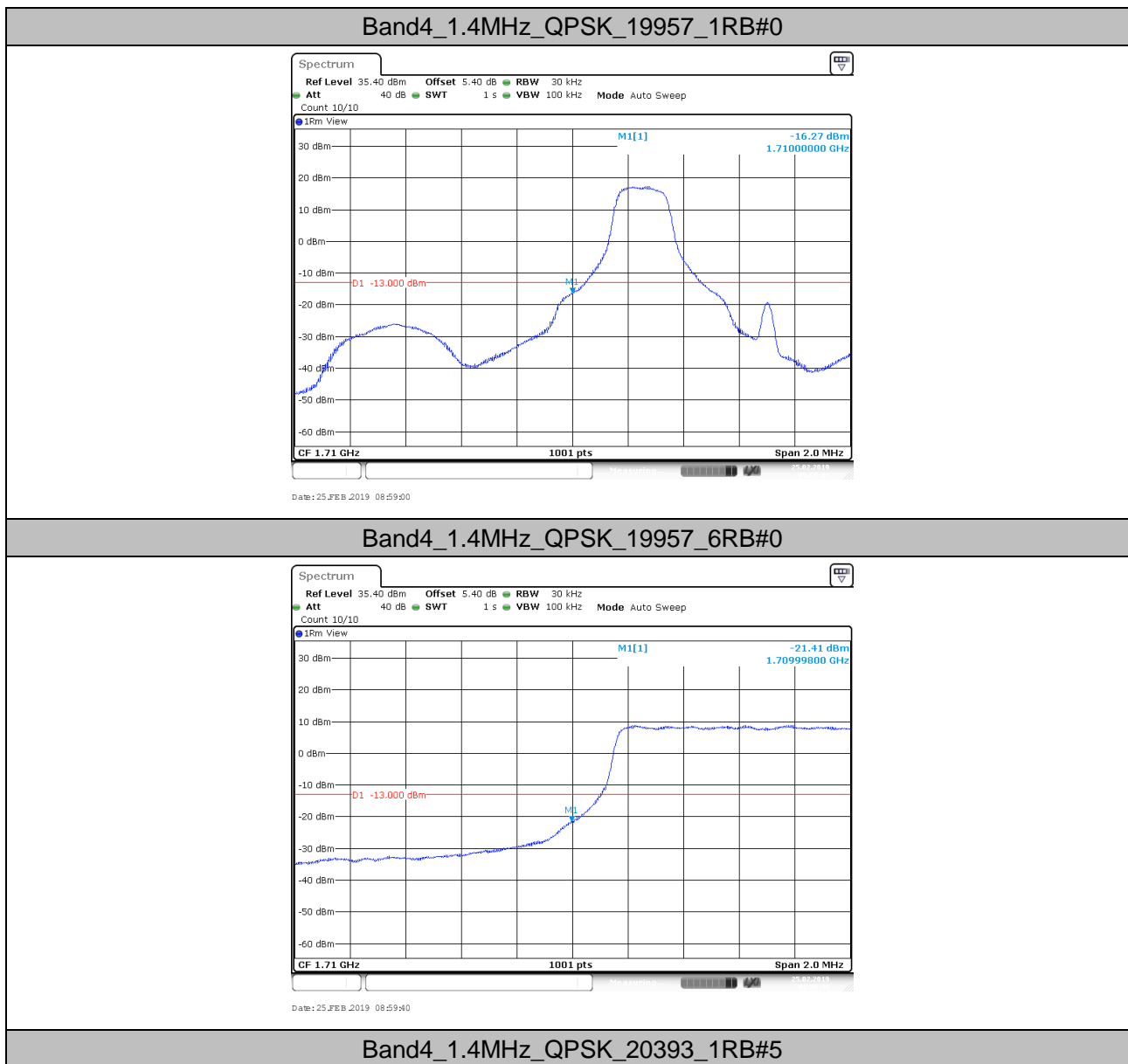
Date: 22 FEB 2019 18:26:30



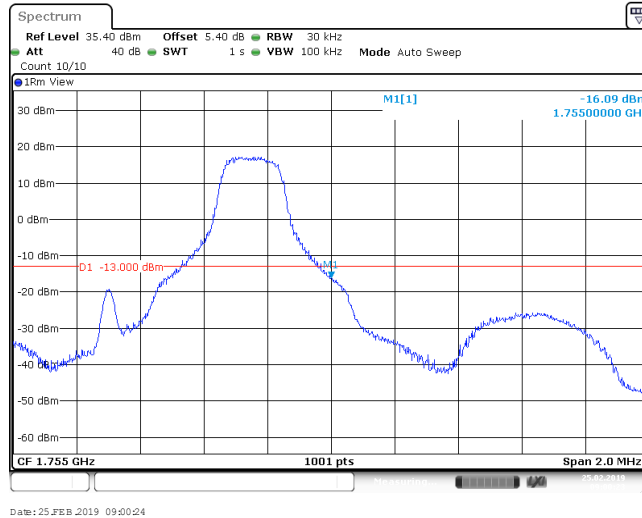
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

## 5. Band Edge Compliance

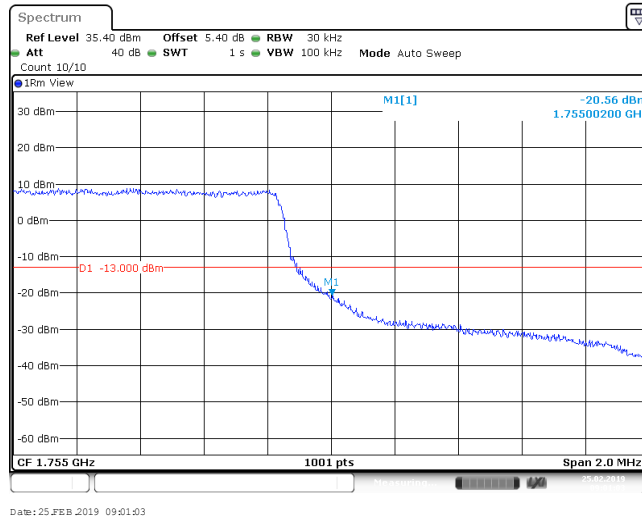
### 5.1. Test Plots



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



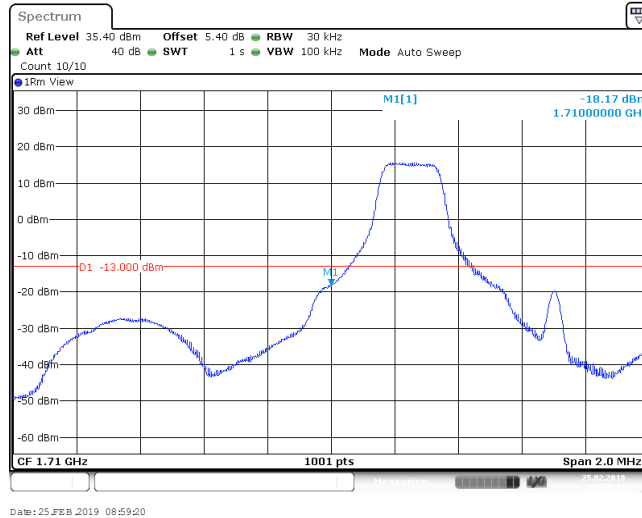
**Band4\_1.4MHz\_QPSK\_20393\_6RB#0**



**Band4\_1.4MHz\_16QAM\_19957\_1RB#0**

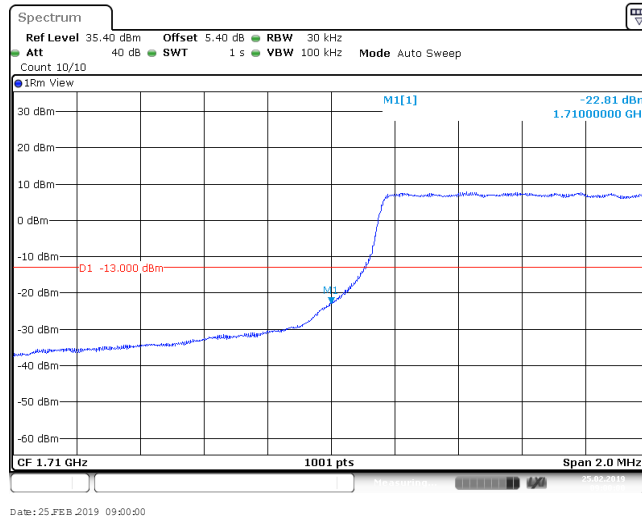


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25.FEB.2019 08:59:20

**Band4\_1.4MHz\_16QAM\_19957\_6RB#0**

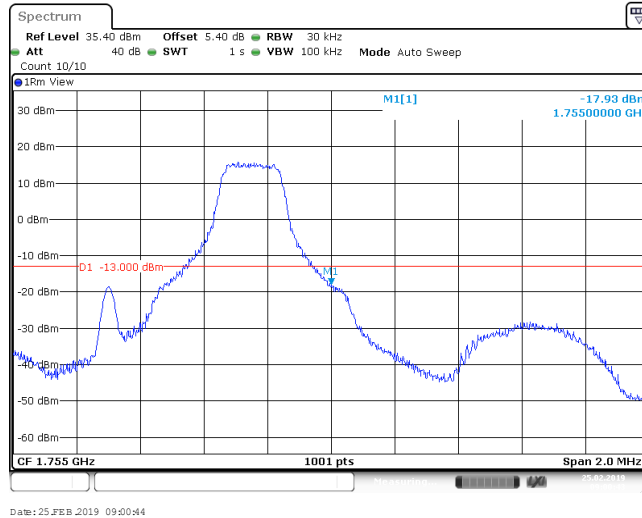


Date: 25.FEB.2019 09:00:00

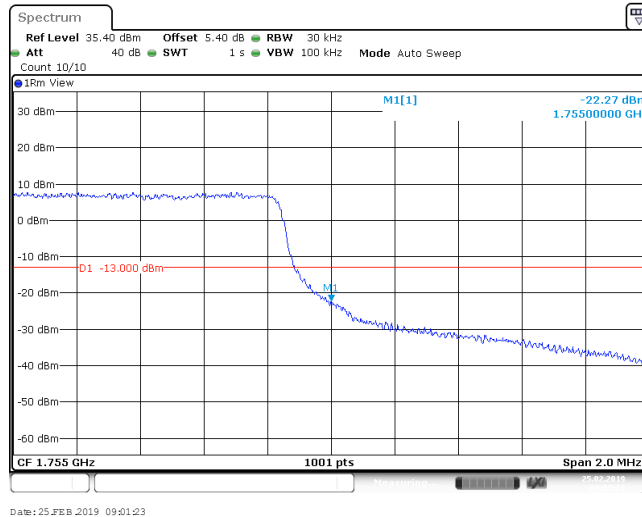
**Band4\_1.4MHz\_16QAM\_20393\_1RB#5**



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.



**Band4\_1.4MHz\_16QAM\_20393\_6RB#0**

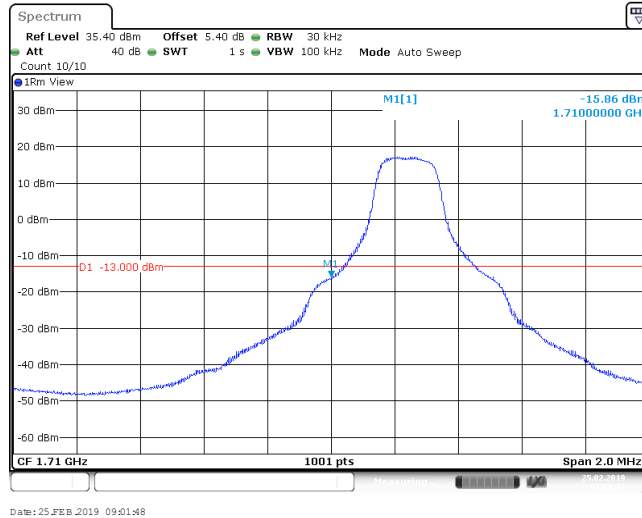


**Band4\_3MHz\_QPSK\_19965\_1RB#0**

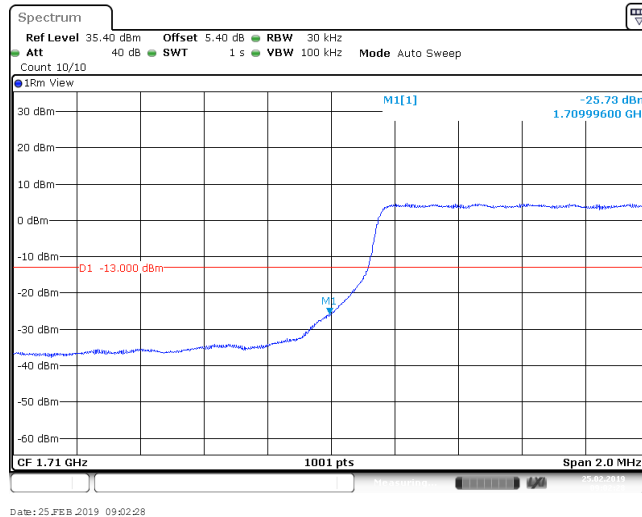


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



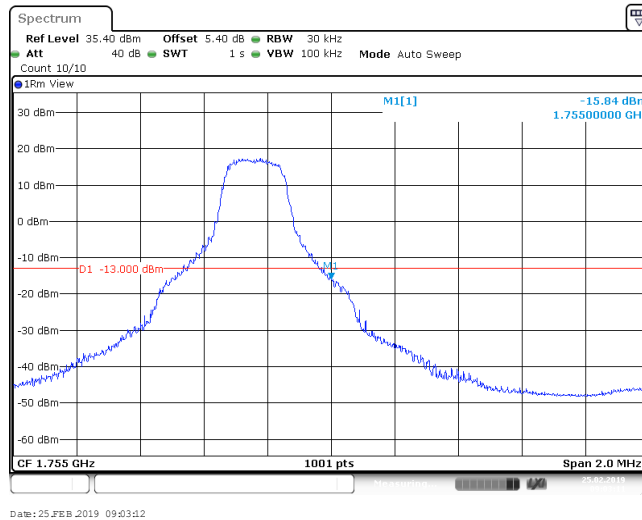
**Band4\_3MHz\_QPSK\_19965\_15RB#0**



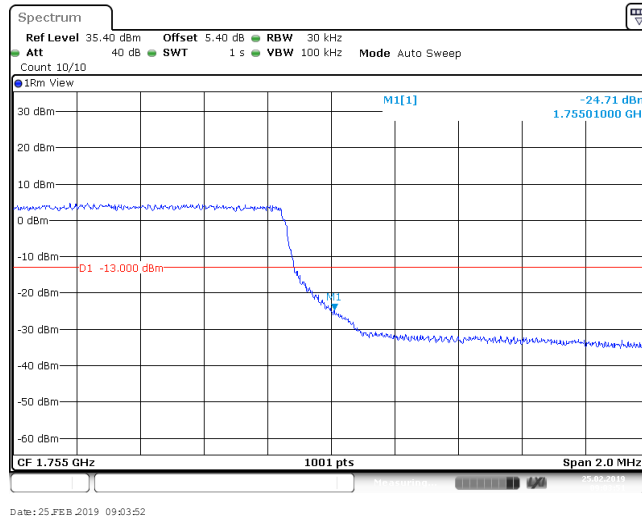
**Band4\_3MHz\_QPSK\_20385\_1RB#14**



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



**Band4\_3MHz\_QPSK\_20385\_15RB#0**

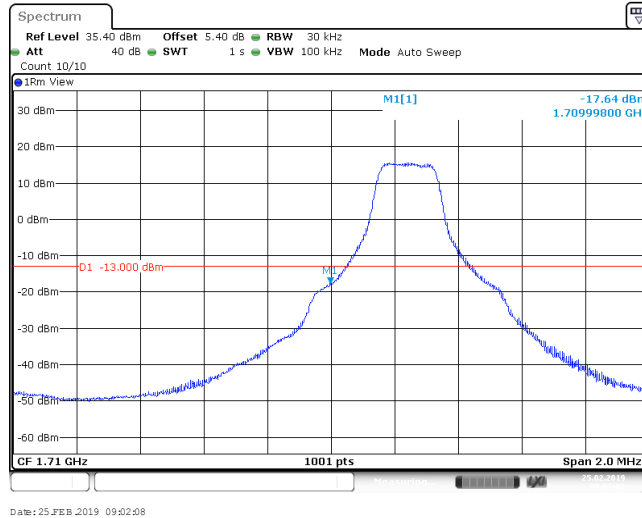


**Band4\_3MHz\_16QAM\_19965\_1RB#0**

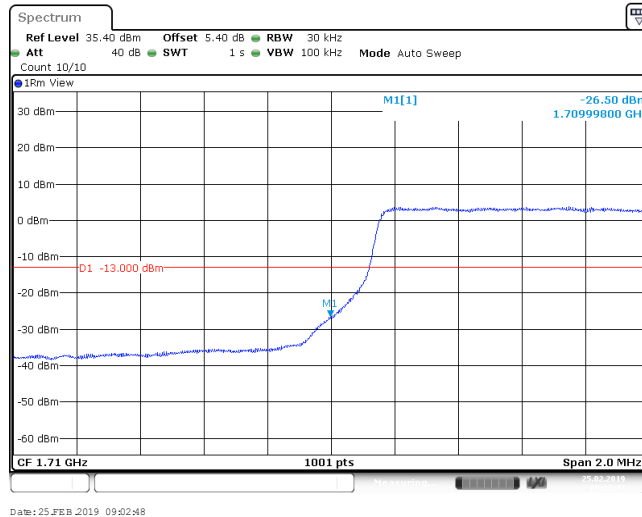


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





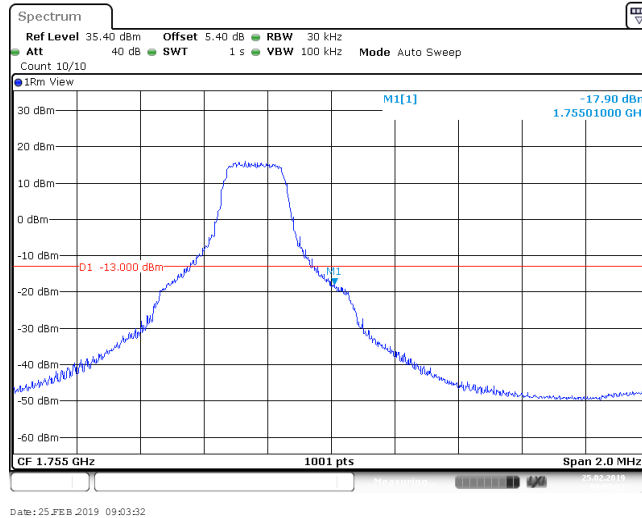
**Band4\_3MHz\_16QAM\_19965\_15RB#0**



**Band4\_3MHz\_16QAM\_20385\_1RB#14**

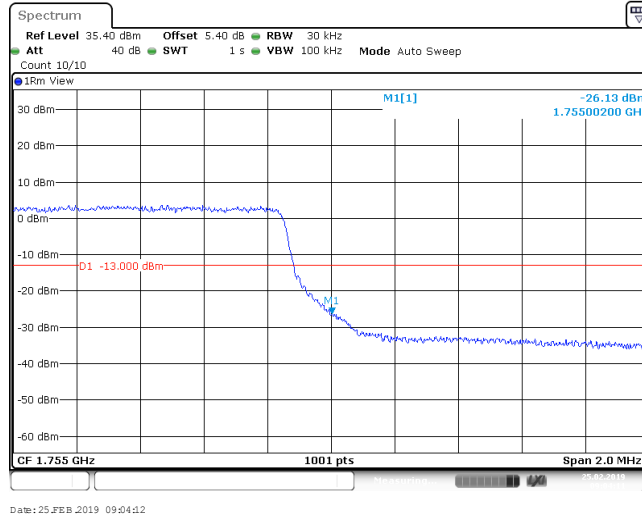


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25\_FEB\_2019 09:03:32

**Band4\_3MHz\_16QAM\_20385\_15RB#0**



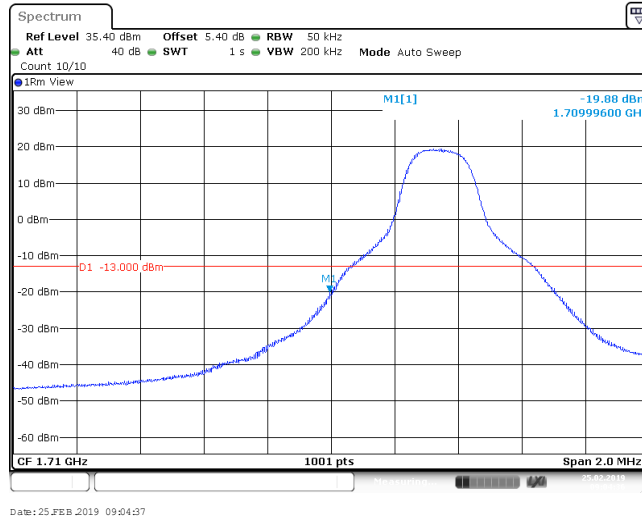
Date: 25\_FEB\_2019 09:04:12

**Band4\_5MHz\_QPSK\_19975\_1RB#0**

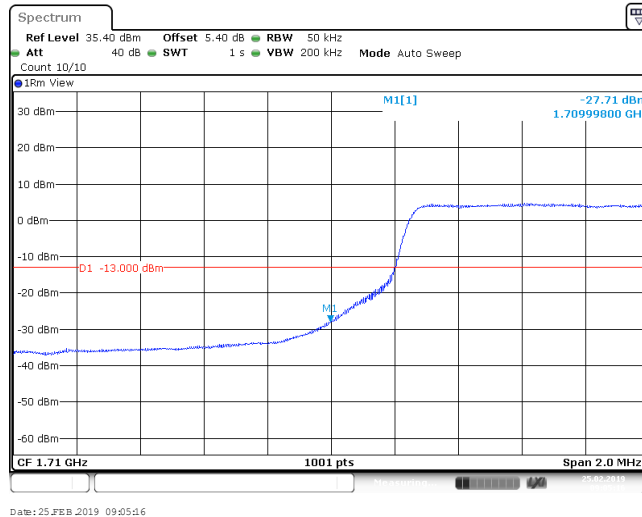


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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)



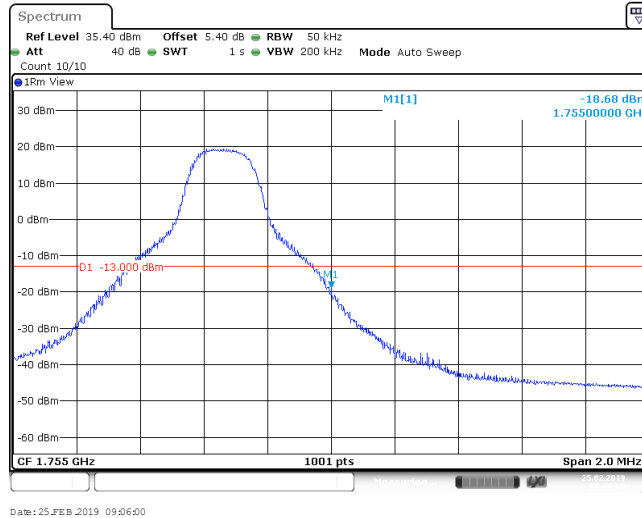
**Band4\_5MHz\_QPSK\_19975\_25RB#0**



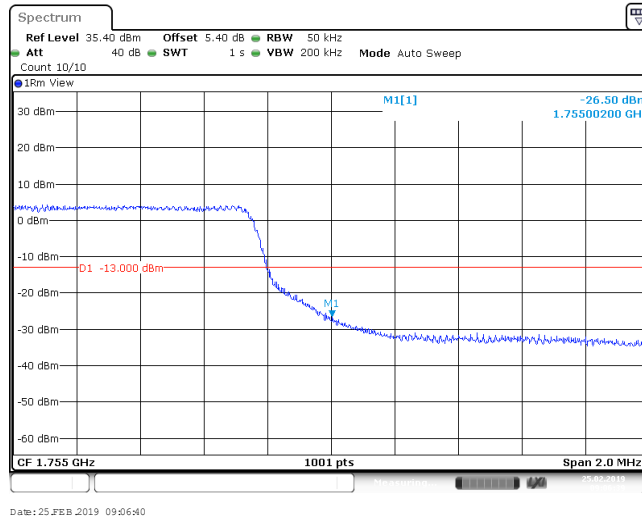
**Band4\_5MHz\_QPSK\_20375\_1RB#24**



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



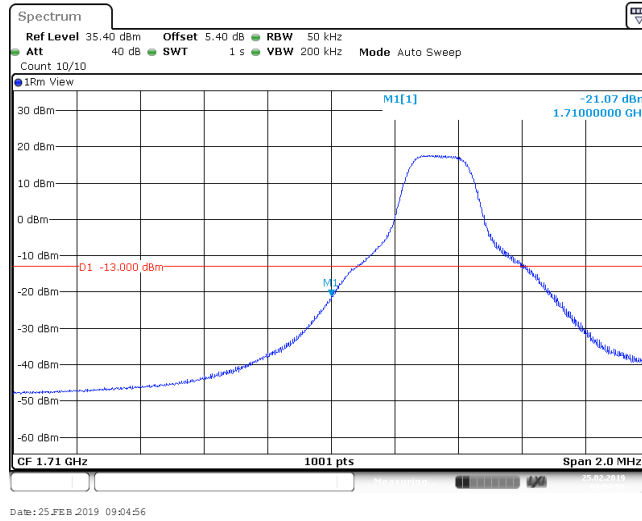
**Band4\_5MHz\_QPSK\_20375\_25RB#0**



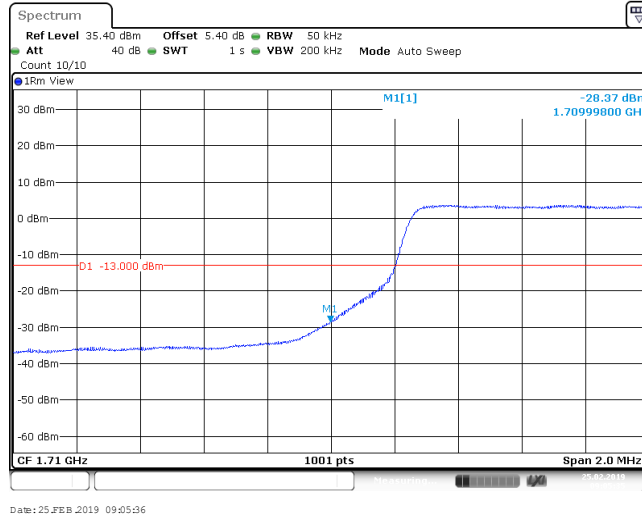
**Band4\_5MHz\_16QAM\_19975\_1RB#0**



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.  
 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)



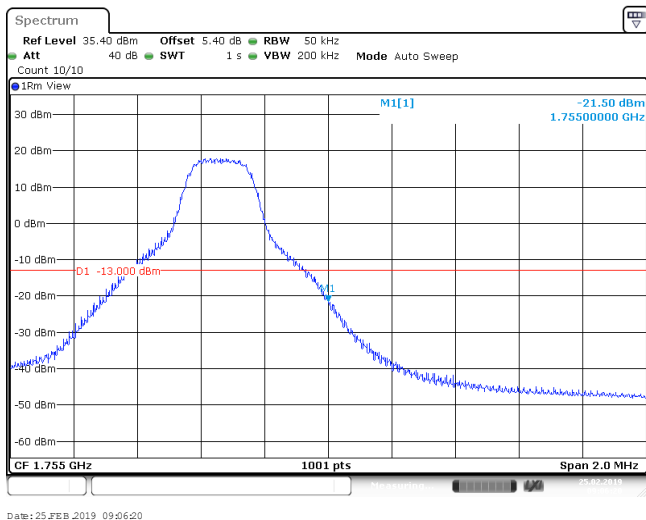
**Band4\_5MHz\_16QAM\_19975\_25RB#0**



**Band4\_5MHz\_16QAM\_20375\_1RB#24**

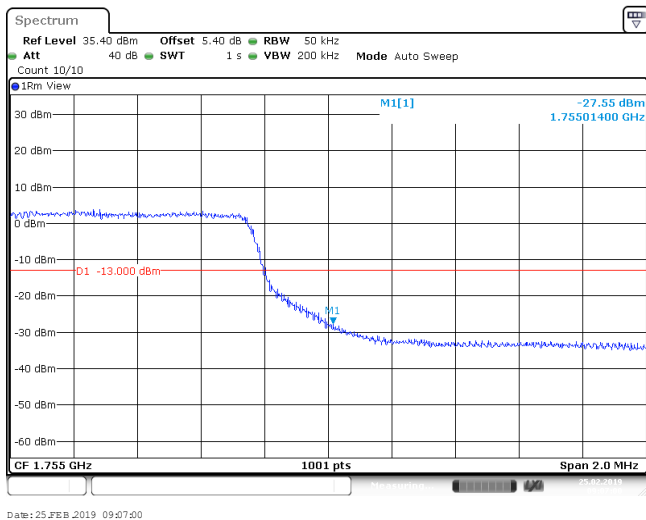


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25.FEB.2019 09:06:20

**Band4\_5MHz\_16QAM\_20375\_25RB#0**

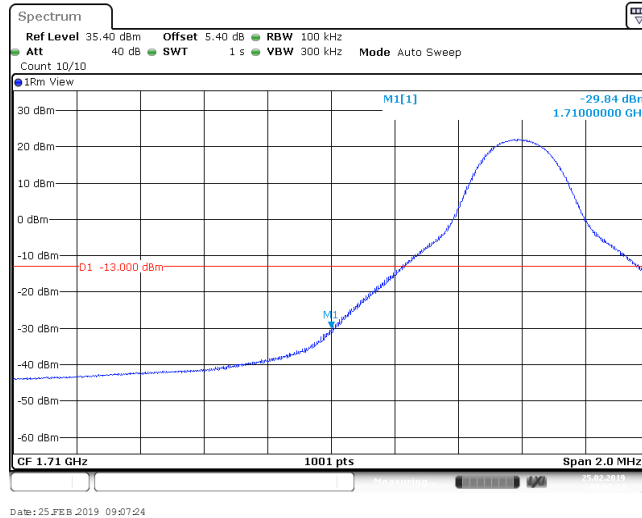


Date: 25.FEB.2019 09:07:00

**Band4\_10MHz\_QPSK\_2000\_1RB#0**

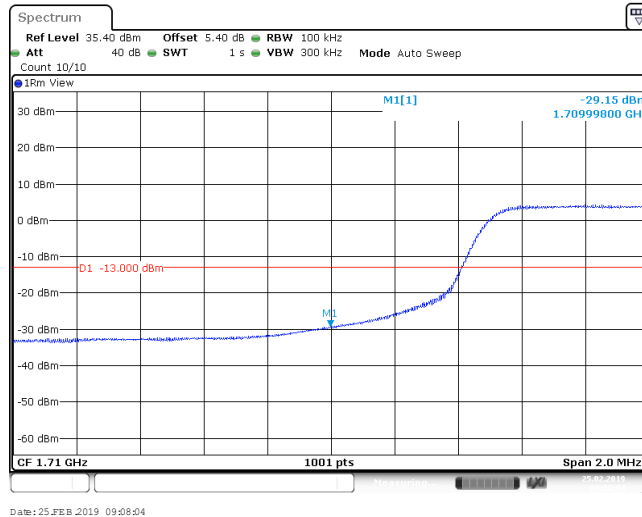


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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: 25.FEB.2019 09:07:24

**Band4\_10MHz\_QPSK\_20000\_50RB#0**

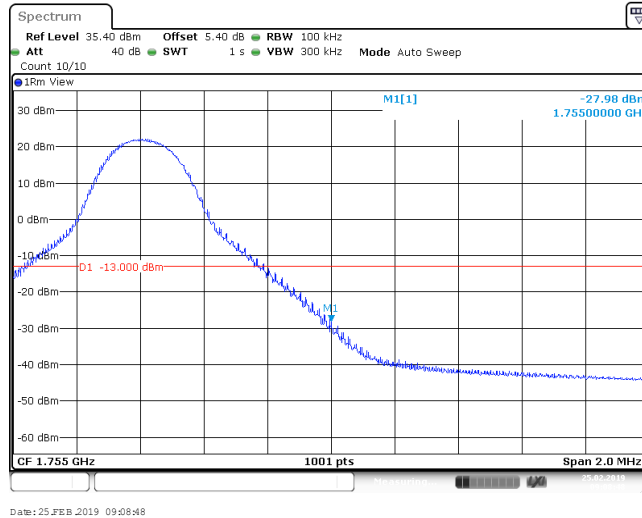


Date: 25.FEB.2019 09:08:04

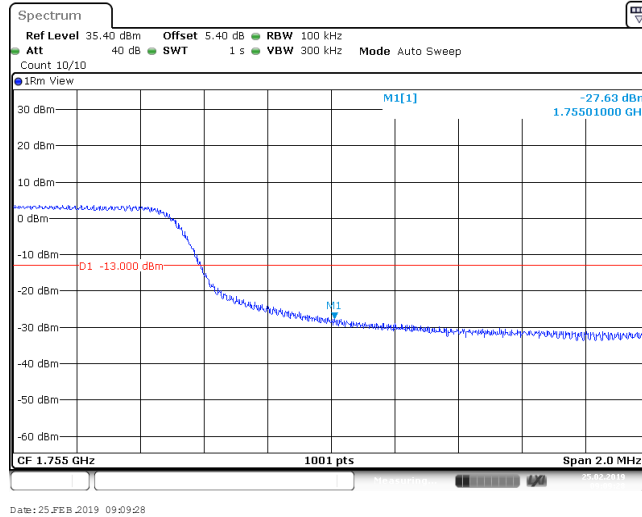
**Band4\_10MHz\_QPSK\_20350\_1RB#49**



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



**Band4\_10MHz\_QPSK\_20350\_50RB#0**

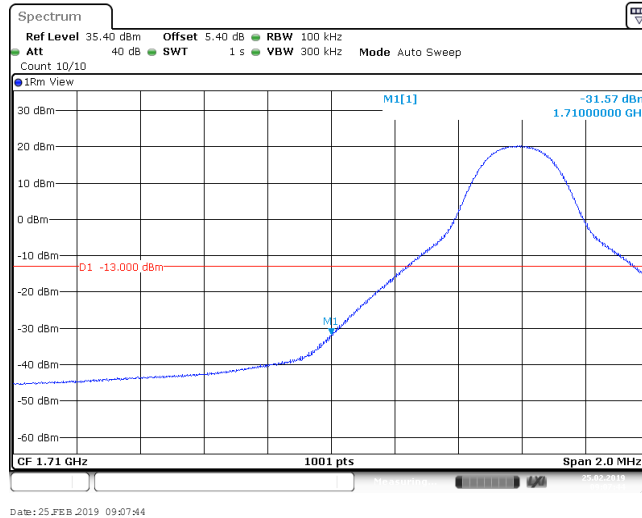


**Band4\_10MHz\_16QAM\_20000\_1RB#0**

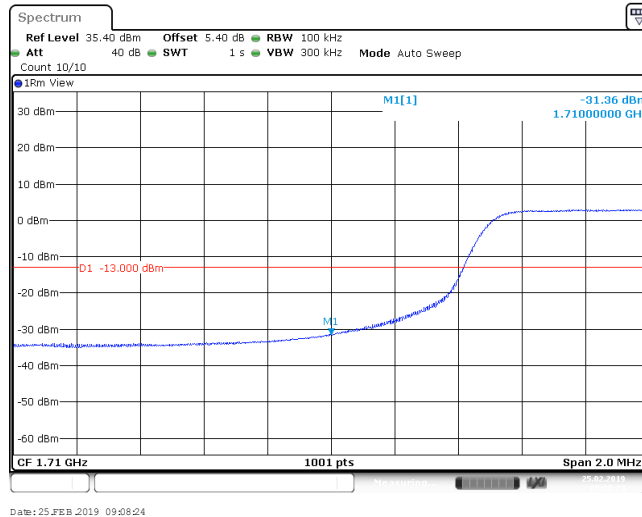


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





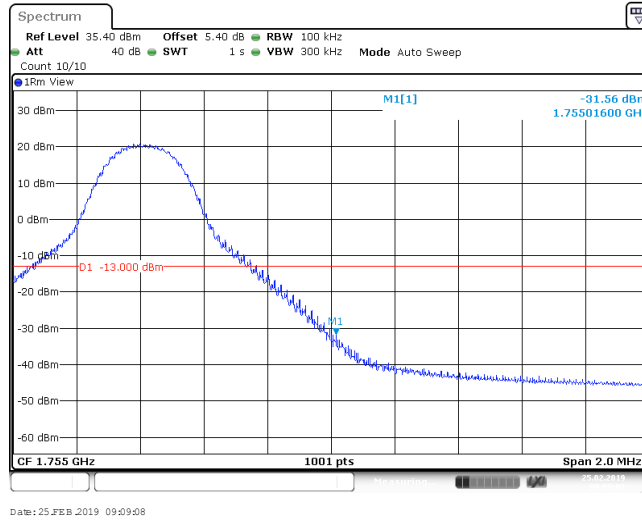
**Band4\_10MHz\_16QAM\_20000\_50RB#0**



**Band4\_10MHz\_16QAM\_20350\_1RB#49**

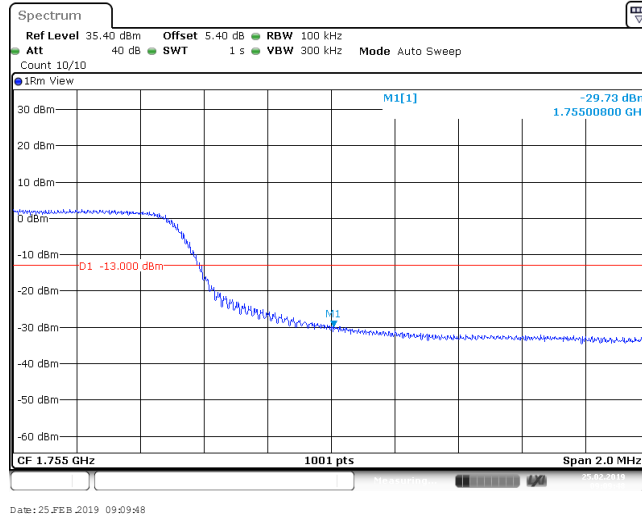


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25\_FEB\_2019 09:09:08

**Band4\_10MHz\_16QAM\_20350\_50RB#0**

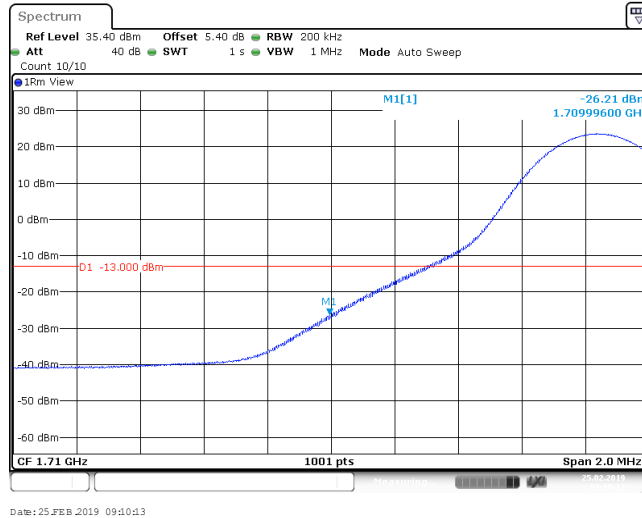


Date: 25\_FEB\_2019 09:09:08

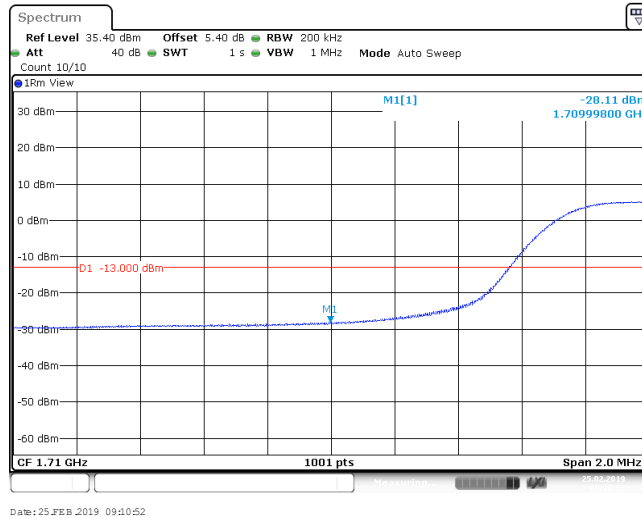
**Band4\_15MHz\_QPSK\_2025\_1RB#0**



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.



**Band4\_15MHz\_QPSK\_20025\_75RB#0**

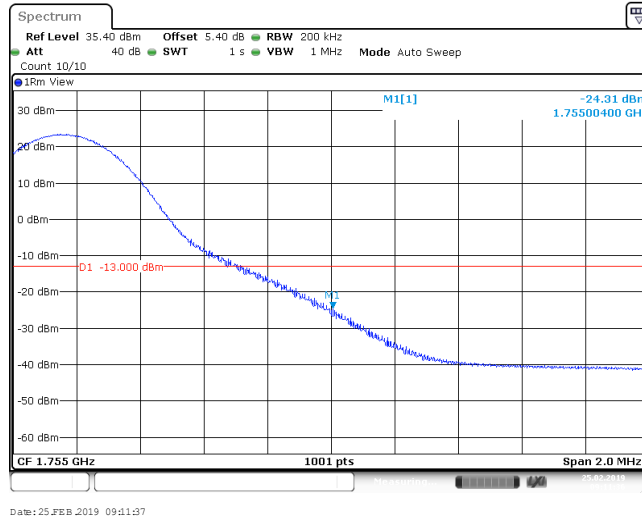


**Band4\_15MHz\_QPSK\_20325\_1RB#74**

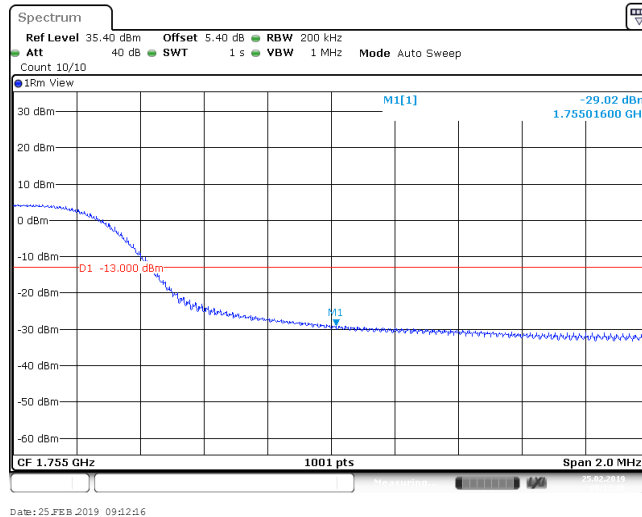


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



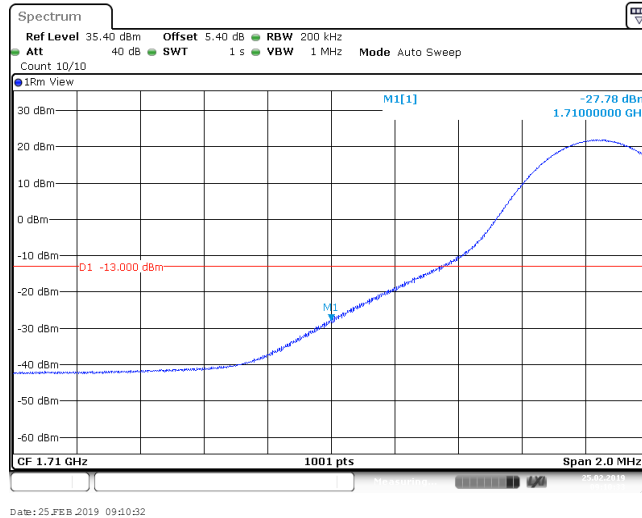
**Band4\_15MHz\_QPSK\_20325\_75RB#0**



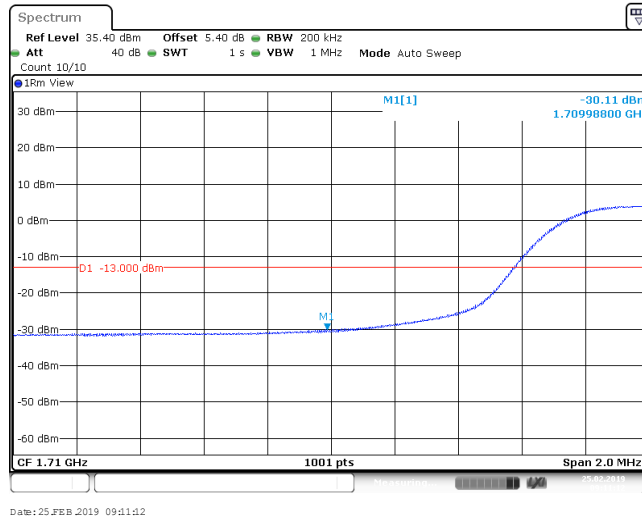
**Band4\_15MHz\_16QAM\_20025\_1RB#0**



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.  
 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)



**Band4\_15MHz\_16QAM\_20025\_75RB#0**

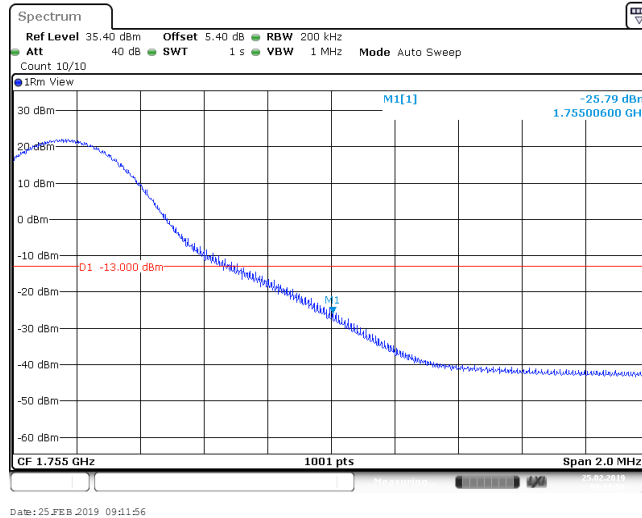


**Band4\_15MHz\_16QAM\_20325\_1RB#74**

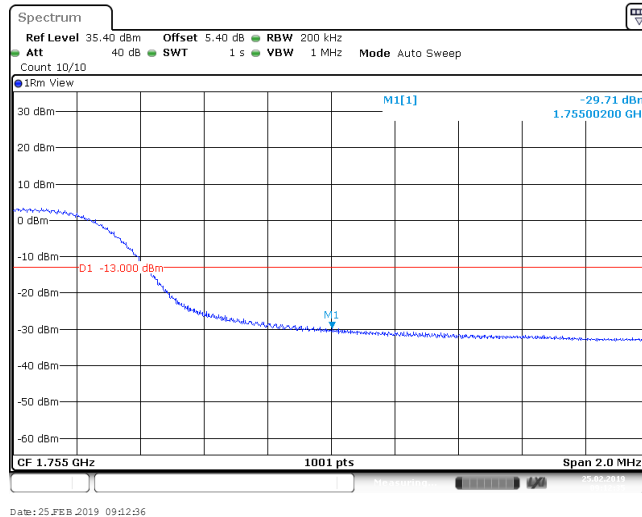


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



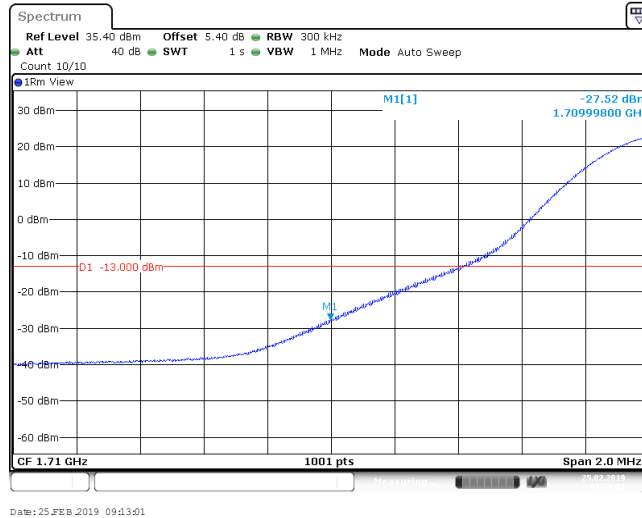
**Band4\_15MHz\_16QAM\_20325\_75RB#0**



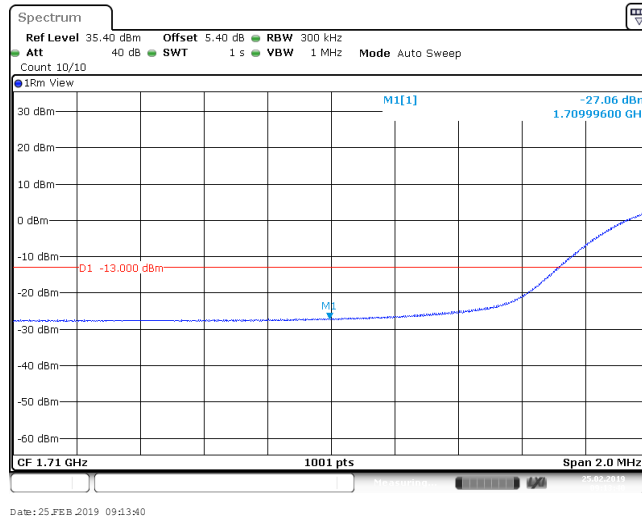
**Band4\_20MHz\_QPSK\_20050\_1RB#0**



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.  
 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)



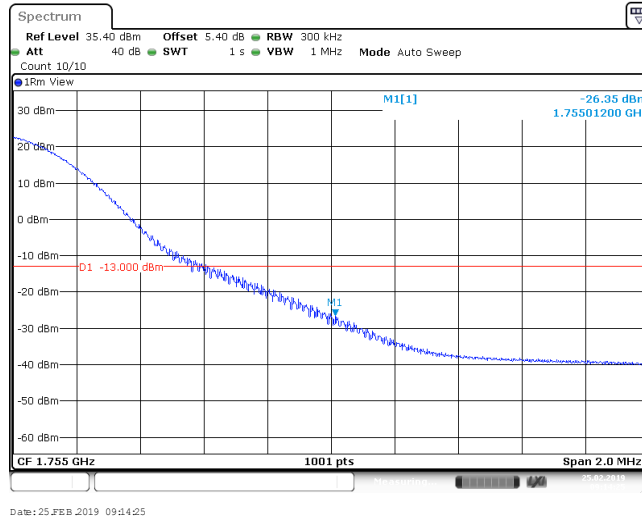
**Band4\_20MHz\_QPSK\_20050\_100RB#0**



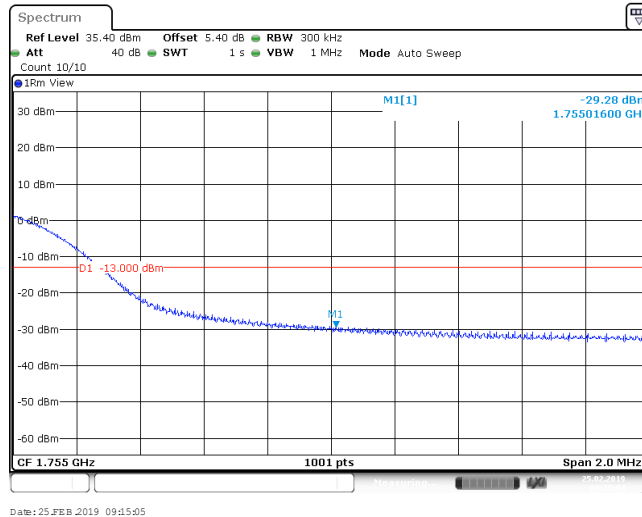
**Band4\_20MHz\_QPSK\_20300\_1RB#99**



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)



**Band4\_20MHz\_QPSK\_20300\_100RB#0**

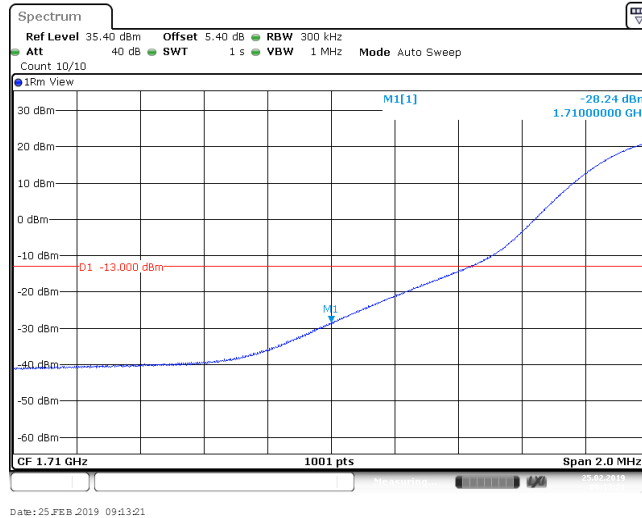


**Band4\_20MHz\_16QAM\_20050\_1RB#0**

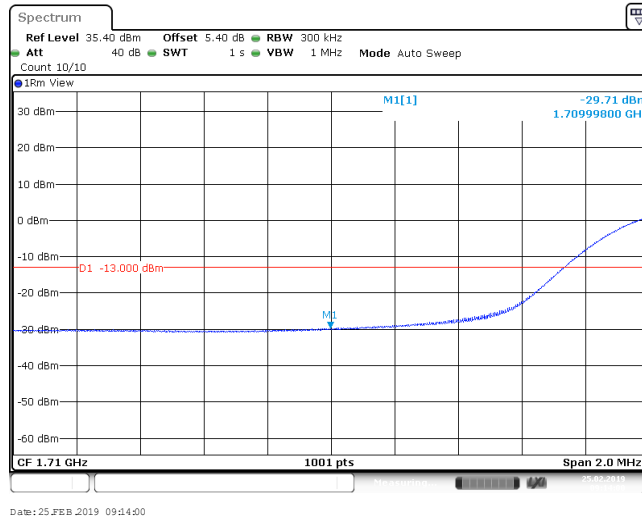


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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





**Band4\_20MHz\_16QAM\_20050\_100RB#0**

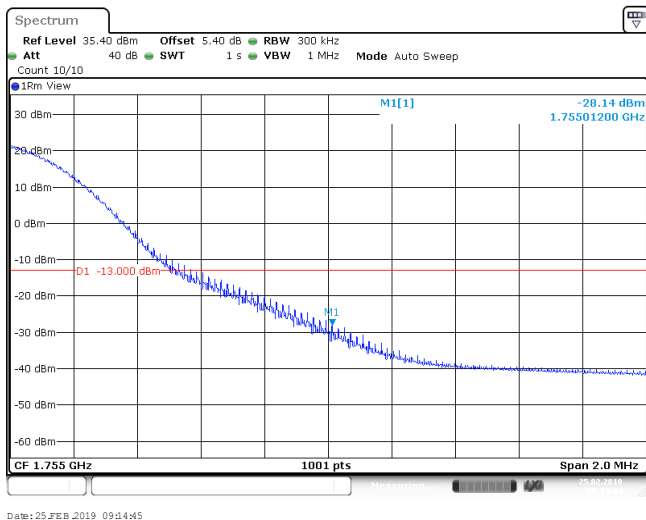


**Band4\_20MHz\_16QAM\_20300\_1RB#99**

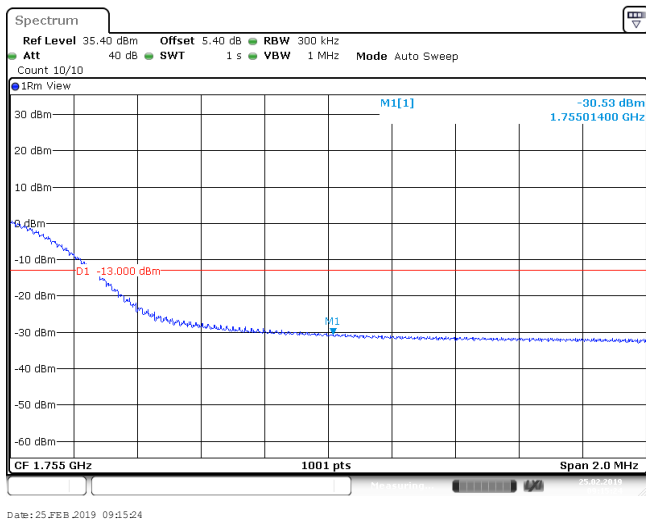


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



**Band4\_20MHz\_16QAM\_20300\_100RB#0**



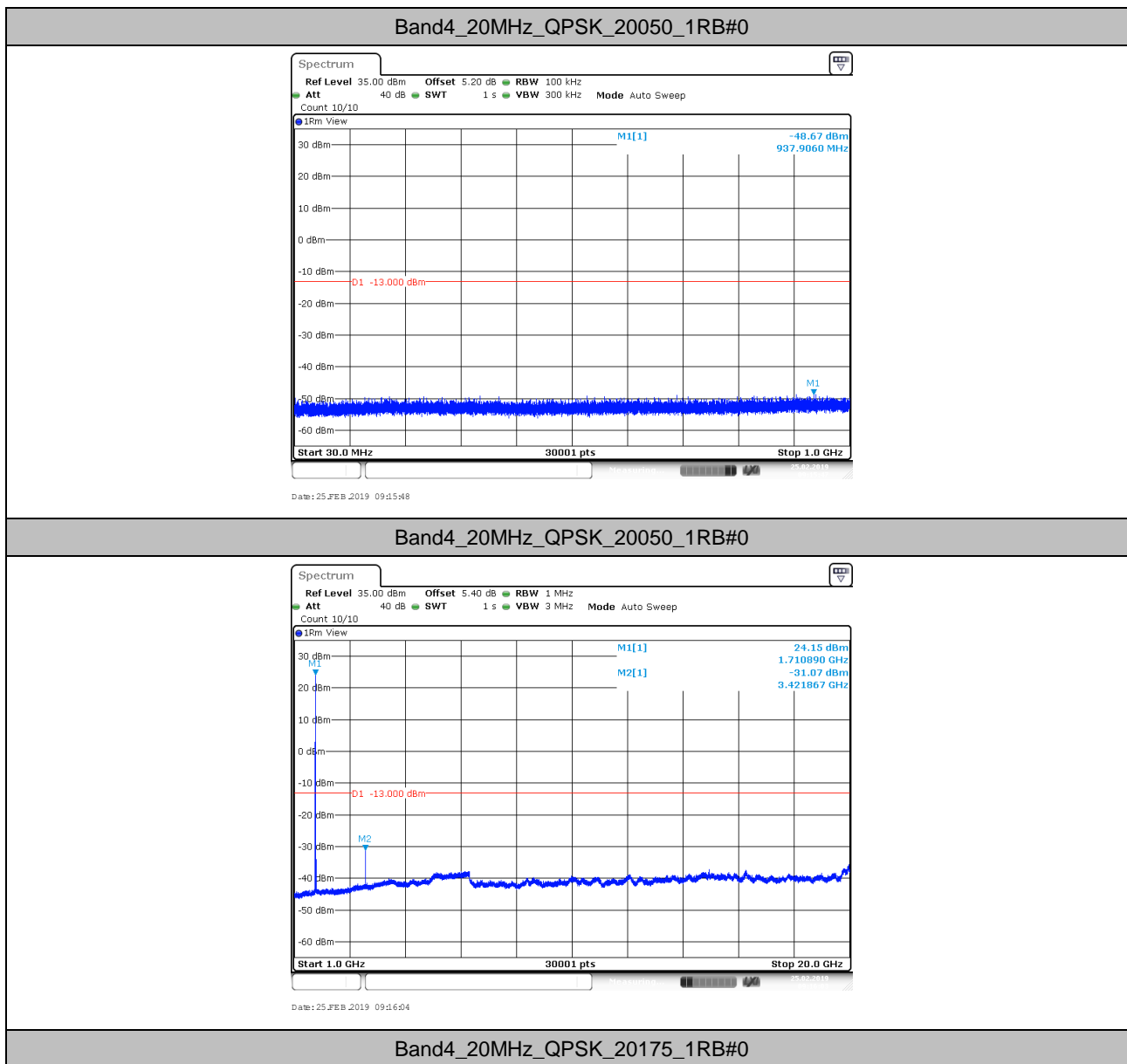
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

## 6. Spurious Emission at Antenna Terminal

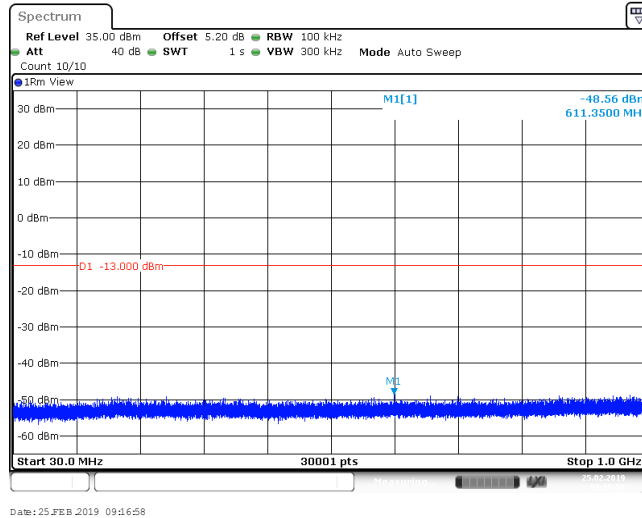
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " 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.

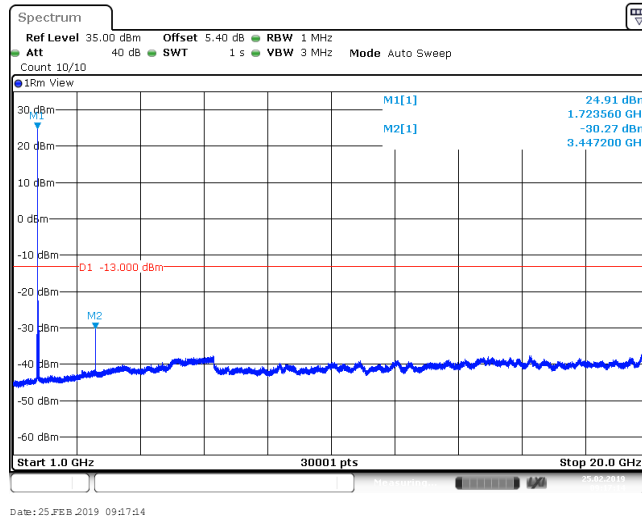
### 6.1. Test Plots



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-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)



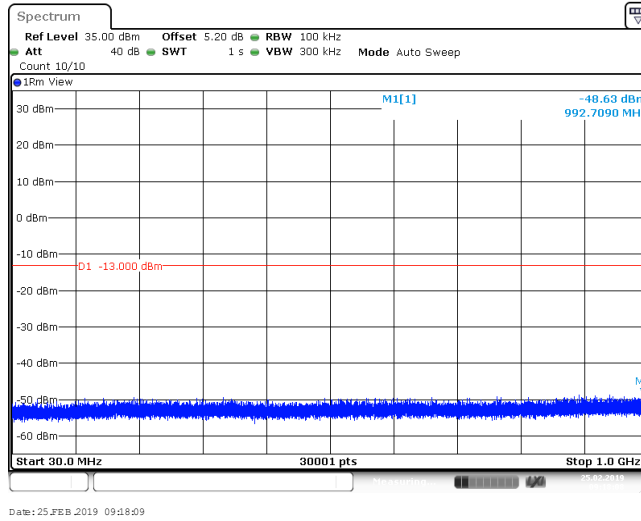
**Band4\_20MHz\_QPSK\_20175\_1RB#0**



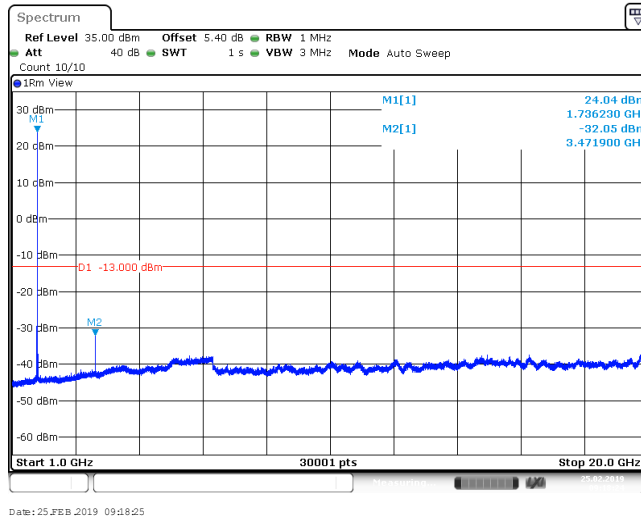
**Band4\_20MHz\_QPSK\_20300\_1RB#0**



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.



**Band4\_20MHz\_QPSK\_20300\_1RB#0**

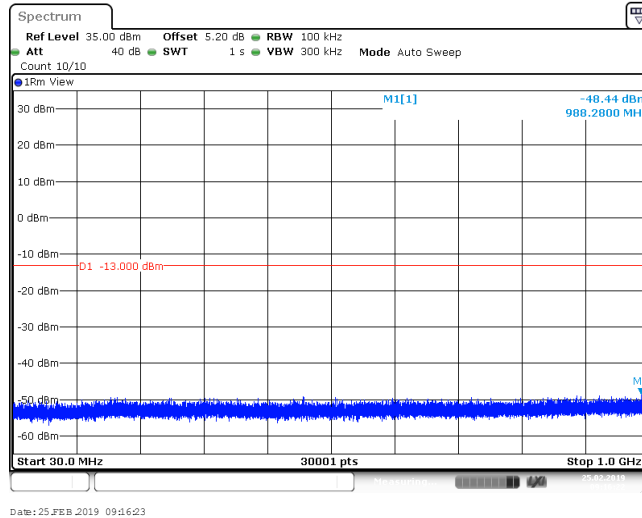


**Band4\_20MHz\_16QAM\_20050\_1RB#0**

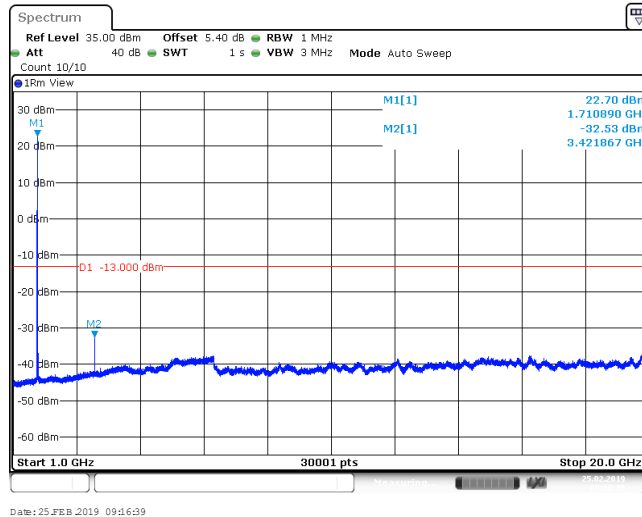


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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



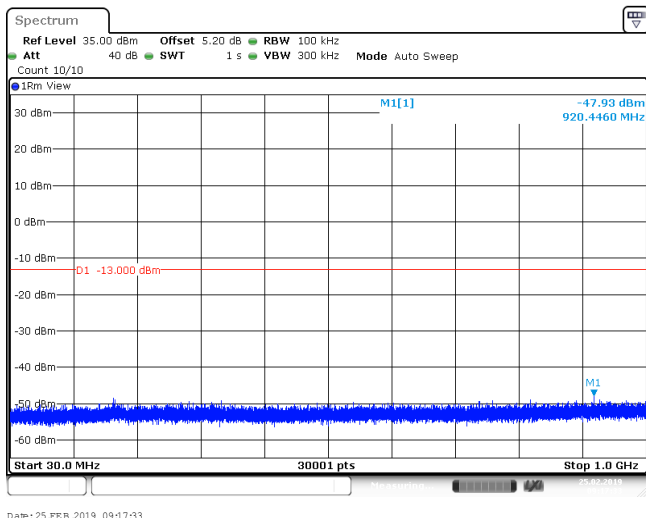
**Band4\_20MHz\_16QAM\_20050\_1RB#0**



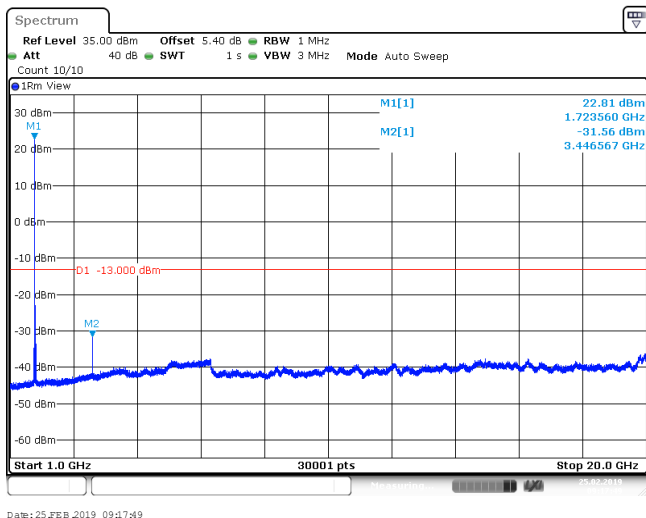
**Band4\_20MHz\_16QAM\_20175\_1RB#0**



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.



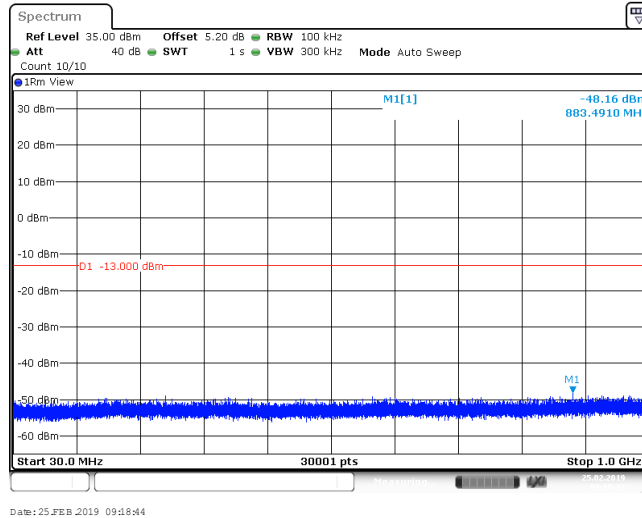
**Band4\_20MHz\_16QAM\_20175\_1RB#0**



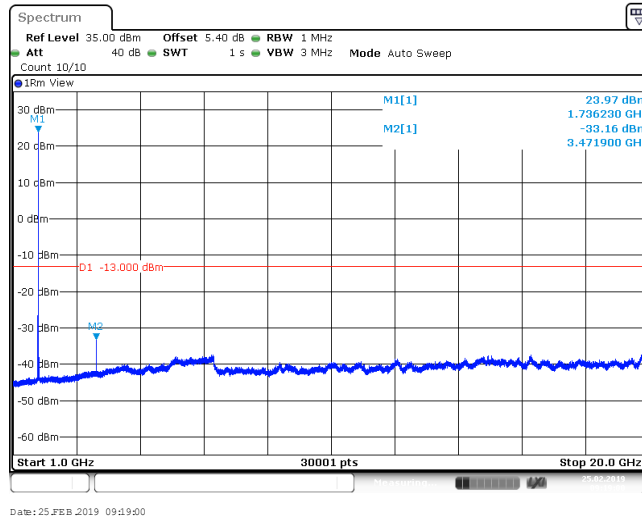
**Band4\_20MHz\_16QAM\_20300\_1RB#0**



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



**Band4\_20MHz\_16QAM\_20300\_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.  
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. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE Band 4

#### 7.1.1. Test Mode = LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.9872	-70.57	-13.00	57.57	Vertical
113.0362	-65.35	-13.00	52.35	Vertical
611.6411	-64.53	-13.00	51.53	Vertical
2699.9400	-37.59	-13.00	24.59	Vertical
3422.0141	-41.10	-13.00	28.10	Vertical
17985.4995	-33.14	-13.00	20.14	Vertical
40.8160	-64.70	-13.00	51.70	Horizontal
236.4748	-68.48	-13.00	55.48	Horizontal
1191.6383	-48.93	-13.00	35.93	Horizontal
2696.3393	-36.63	-13.00	23.63	Horizontal
3422.0141	-38.41	-13.00	25.41	Horizontal
16402.9468	-38.28	-13.00	25.28	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.8489	-71.40	-13.00	58.40	Vertical
111.6296	-65.64	-13.00	52.64	Vertical
1311.6623	-48.28	-13.00	35.28	Vertical
2693.9388	-37.87	-13.00	24.87	Vertical
3447.0149	-39.72	-13.00	26.72	Vertical
17989.4997	-32.90	-13.00	19.90	Vertical
42.0286	-64.49	-13.00	51.49	Horizontal
234.9712	-69.04	-13.00	56.04	Horizontal
1436.4873	-48.19	-13.00	35.19	Horizontal
3447.0149	-36.66	-13.00	23.66	Horizontal
9349.2116	-49.67	-13.00	36.67	Horizontal
17994.9998	-37.74	-13.00	24.74	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)

### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-68.36	-13.00	55.36	Vertical
112.0661	-64.66	-13.00	51.66	Vertical
1227.6455	-48.48	-13.00	35.48	Vertical
2699.9400	-37.87	-13.00	24.87	Vertical
3472.0157	-44.81	-13.00	31.81	Vertical
17999.0000	-32.91	-13.00	19.91	Vertical
44.0172	-64.36	-13.00	51.36	Horizontal
244.1382	-68.74	-13.00	55.74	Horizontal
1152.8306	-48.75	-13.00	35.75	Horizontal
2697.5395	-36.42	-13.00	23.42	Horizontal
3472.0157	-37.98	-13.00	24.98	Horizontal
16391.9464	-38.30	-13.00	25.30	Horizontal

**Remark:**

The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented 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-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)

## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	0.70	0.000407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.80	0.001047	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	0.80	0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	0.80	0.000465	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.30	0.001919	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-3.00	-0.001719	±2.5	PASS

### 8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	1.50	0.000872	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	2.00	0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	0.80	0.000465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.20	0.000698	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	0.90	0.000523	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	2.30	0.001337	±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)



Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.20	0.000115	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.50	0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	0.20	0.000115	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.10	0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.20	-0.000115	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.30	-0.002464	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	1.00	0.000581	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	2.20	0.001279	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	0.30	0.000174	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	0.80	0.000465	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.20	0.001279	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	1.10	0.000635	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.00	0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-1.80	-0.001032	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-3.20	-0.001834	±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)



Band4	20MHz	16QAM	20300	100RB#0	NV	40	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-3.00	-0.001719	±2.5	PASS

The End



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