

# Appendix B

## E-UTRA Band 17



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

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



## CONTENT

<b>1</b>	<b>EFFECTIVE (ISOTROPIC) RADIATED POWER</b>	<b>3</b>
1.1.	TEST RESULT FOR ANT0	3
1.2.	TEST RESULT FOR ANT1	6
<b>2.</b>	<b>PEAK-TO-AVERAGE RATIO (CCDF)</b>	<b>9</b>
2.1.	TEST RESULT	9
2.2.	TEST PLOTS	9
<b>3.</b>	<b>MODULATION CHARACTERISTICS</b>	<b>14</b>
3.1.	TEST MODE = LTE /TM1 10MHZ	14
3.1.1.	TEST CHANNEL = MCH	14
3.2.	TEST MODE = LTE /TM2 10MHZ	15
3.2.1.	TEST CHANNEL = MCH	15
3.3.	TEST MODE = LTE /TM3 10MHZ	16
3.3.1.	TEST CHANNEL = MCH	16
<b>4.</b>	<b>26DB BANDWIDTH AND OCCUPIED BANDWIDTH</b>	<b>17</b>
4.1.	TEST RESULT	17
4.2.	TEST PLOTS	18
<b>5.</b>	<b>BAND EDGE COMPLIANCE</b>	<b>27</b>
5.1.	TEST PLOTS	27
<b>6.</b>	<b>SPURIOUS EMISSION AT ANTENNA TERMINAL</b>	<b>39</b>
6.1.	TEST PLOTS	39
<b>7.</b>	<b>FIELD STRENGTH OF SPURIOUS RADIATION</b>	<b>48</b>
7.1.	TEST MODE =LTE/TM1 ( ANT0 )	48
7.1.1.	TEST CHANNEL = LCH	48
7.1.2.	TEST CHANNEL = MCH	48
7.1.3.	TEST CHANNEL = HCH	49
7.2.	TEST MODE =LTE/TM1 ( ANT1 )	49
7.2.1.	TEST CHANNEL = LCH	49
7.2.2.	TEST CHANNEL = MCH	50
7.2.3.	TEST CHANNEL = HCH	50
<b>8.</b>	<b>FREQUENCY STABILITY</b>	<b>52</b>
8.1.	FREQUENCY VS VOLTAGE	52
8.2.	FREQUENCY VS TEMPERATURE	52



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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (SZ) CSTC Laboratory

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



# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result for Ant0

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.53	15.78	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#13	23.60	15.85	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.56	15.81	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.59	14.84	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.66	14.91	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.64	14.89	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.48	15.73	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#13	23.62	15.87	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.57	15.82	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.67	14.92	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.73	14.98	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.48	15.73	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#13	23.64	15.89	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.61	15.86	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.64	14.89	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.68	14.93	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.74	14.99	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.66	14.91	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.69	13.94	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#13	21.87	14.12	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.66	13.91	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.71	12.96	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.74	12.99	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.65	12.90	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.95	14.20	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#13	21.97	14.22	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.07	14.32	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.78	13.03	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.80	13.05	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.80	13.05	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.86	14.11	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#13	21.90	14.15	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	22.08	14.33	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.59	12.84	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.69	12.94	34.77	PASS



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

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



Band17	5MHz	64QAM	23825	12RB#13	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.68	12.93	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.68	14.93	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#13	22.83	15.08	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.66	14.91	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.69	13.94	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.65	13.90	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.70	13.95	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.68	13.93	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.95	15.20	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#13	22.91	15.16	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.12	15.37	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.75	14.00	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.74	13.99	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.75	14.00	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.77	14.02	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.90	15.15	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#13	22.84	15.09	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.12	15.37	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.62	13.87	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.65	13.90	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.77	14.02	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.68	13.93	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.62	15.87	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.66	15.91	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.67	14.92	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.70	14.95	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.47	15.72	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.68	15.93	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.70	14.95	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.74	14.99	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.66	15.91	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.60	15.85	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.73	14.98	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.68	14.93	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	22.04	14.29	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.07	14.32	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.85	14.10	34.77	PASS



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

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





Band17	10MHz	64QAM	23780	25RB#0	20.58	12.83	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.74	12.99	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.80	13.05	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.58	12.83	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.79	14.04	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.22	14.47	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.66	13.91	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.74	12.99	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.76	13.01	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.71	12.96	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.76	13.01	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.58	13.83	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.14	14.39	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	22.05	14.30	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.61	12.86	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.73	12.98	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.71	12.96	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.70	12.95	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.39	15.64	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.04	15.29	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.83	15.08	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.61	13.86	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.72	13.97	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.76	14.01	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.61	13.86	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.78	15.03	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.16	15.41	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.65	14.90	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.68	13.93	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.78	14.03	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.74	13.99	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.73	13.98	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.54	14.79	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.11	15.36	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.03	15.28	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.56	13.81	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.70	13.95	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.71	13.96	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.68	13.93	34.77	PASS



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

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



## 1.2. Test Result for Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.81	19.26	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#13	23.90	19.35	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.91	19.36	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.92	18.37	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.91	18.36	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.01	18.46	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.76	19.21	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#13	23.94	19.39	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.94	19.39	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.85	18.30	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.98	18.43	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.92	19.37	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#13	23.88	19.33	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.83	19.28	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.96	18.41	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.02	18.47	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.99	18.44	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.68	17.13	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#13	21.66	17.11	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.77	17.22	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.79	16.24	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.76	16.21	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.76	16.21	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.83	16.28	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.72	17.17	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#13	21.71	17.16	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.79	17.24	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.90	16.35	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.82	16.27	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.90	16.35	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.83	16.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.83	17.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#13	21.64	17.09	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.60	17.05	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.89	16.34	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.92	16.37	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.77	16.22	34.77	PASS



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

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



Band17	5MHz	64QAM	23825	25RB#0	20.84	16.29	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.07	18.52	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#13	23.04	18.49	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.38	18.83	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.00	17.45	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.89	17.34	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.95	17.40	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.95	17.40	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.25	18.70	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#13	23.08	18.53	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.01	18.46	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.98	17.43	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.03	17.48	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.93	17.38	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.04	17.49	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.37	18.82	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#13	23.08	18.53	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.79	19.24	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.93	17.38	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.03	17.48	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.02	17.47	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.95	17.40	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.92	19.37	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.88	19.33	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.96	19.41	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.88	18.33	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.92	18.37	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.03	18.48	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.93	18.38	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.82	19.27	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.75	19.20	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.95	19.40	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.92	18.37	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.02	18.47	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.97	18.42	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.18	18.63	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.76	19.21	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.79	19.24	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.84	19.29	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.95	18.40	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.84	18.29	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.00	18.45	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.97	18.42	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.97	17.42	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.20	17.65	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.92	17.37	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.98	16.43	34.77	PASS



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

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



Band17	10MHz	64QAM	23780	25RB#12	21.06	16.51	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	21.11	16.56	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.89	16.34	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.31	17.76	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.26	17.71	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	22.16	17.61	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.94	16.39	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	21.16	16.61	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	21.05	16.50	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.92	16.37	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	22.18	17.63	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.32	17.77	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.91	17.36	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	21.01	16.46	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	21.07	16.52	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	21.04	16.49	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.89	16.34	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.07	18.52	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.27	18.72	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.32	18.77	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.95	17.40	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.11	17.56	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.03	17.48	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.91	17.36	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.09	18.54	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.53	18.98	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.37	18.82	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.05	17.50	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.94	17.39	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.04	17.49	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.96	17.41	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.30	18.75	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.48	18.93	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.82	18.27	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.92	17.37	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.05	17.50	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.01	17.46	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.88	17.33	34.77	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBi]

EIRP [dBm] = Conducted Power [dBm] + 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-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)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (CMAA) Laboratory

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



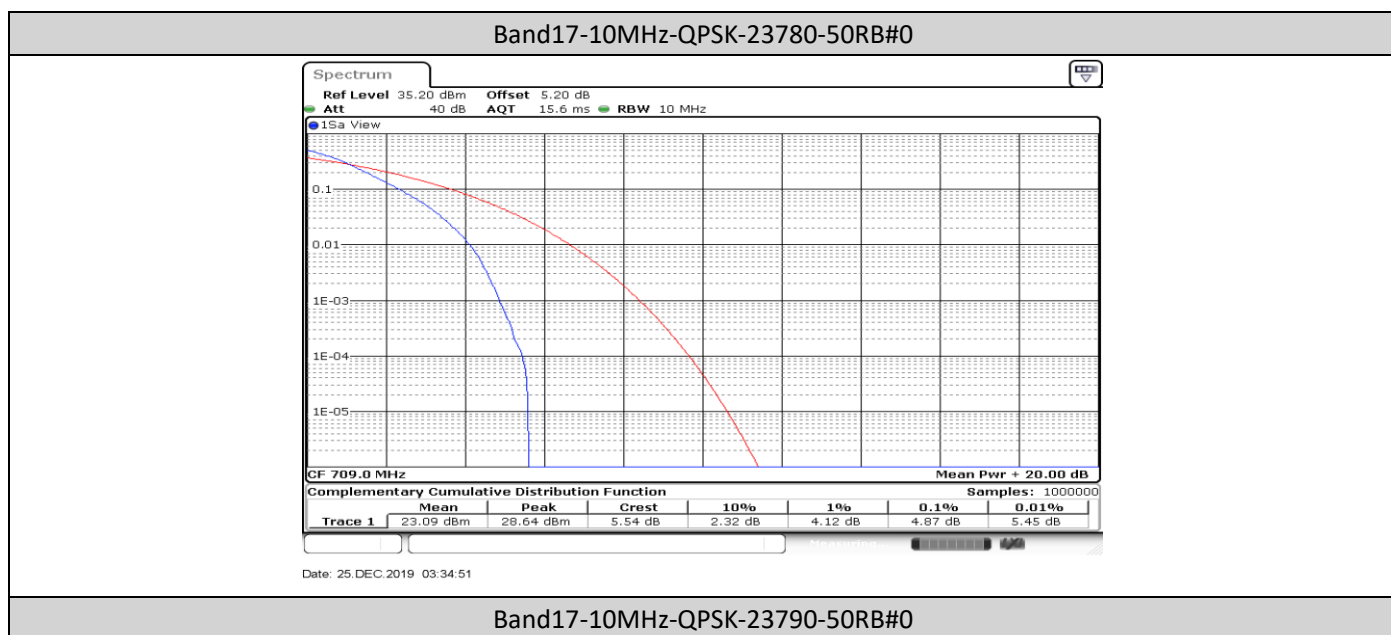


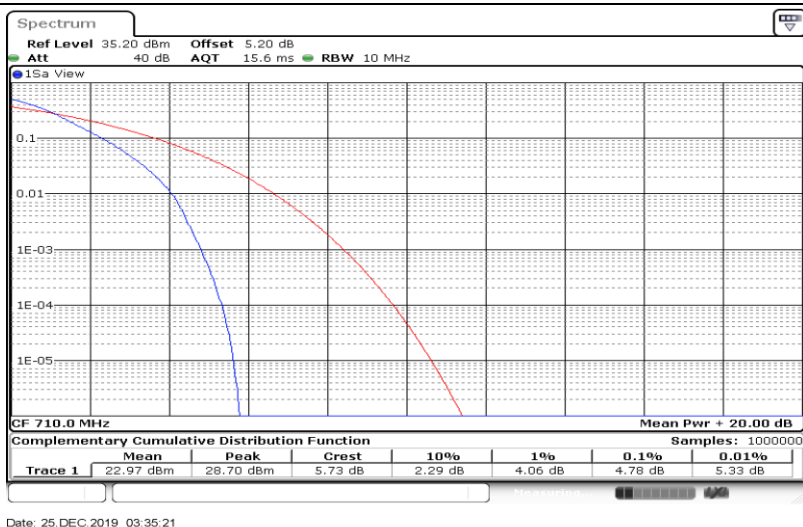
## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

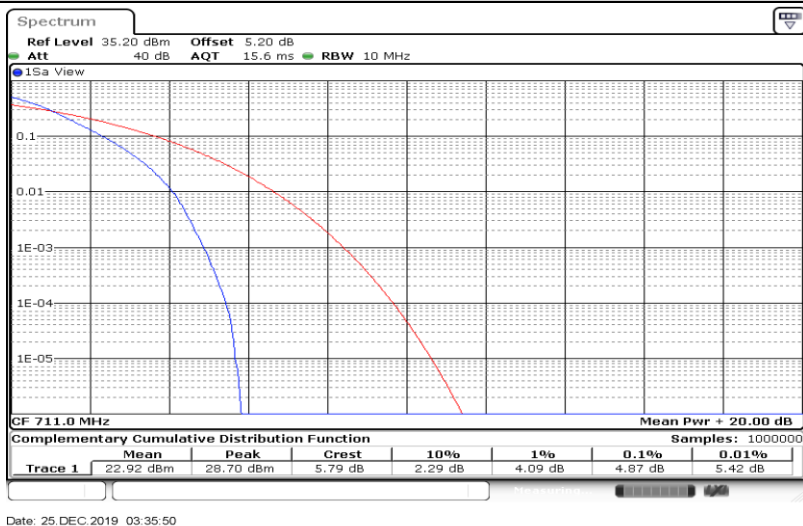
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	4.87	13.00	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.78	13.00	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.87	13.00	PASS
Band17	10MHz	64QAM	23780	50RB#0	5.86	13.00	PASS
Band17	10MHz	64QAM	23790	50RB#0	5.48	13.00	PASS
Band17	10MHz	64QAM	23800	50RB#0	5.83	13.00	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.83	13.00	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.48	13.00	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.39	13.00	PASS

### 2.2. Test Plots



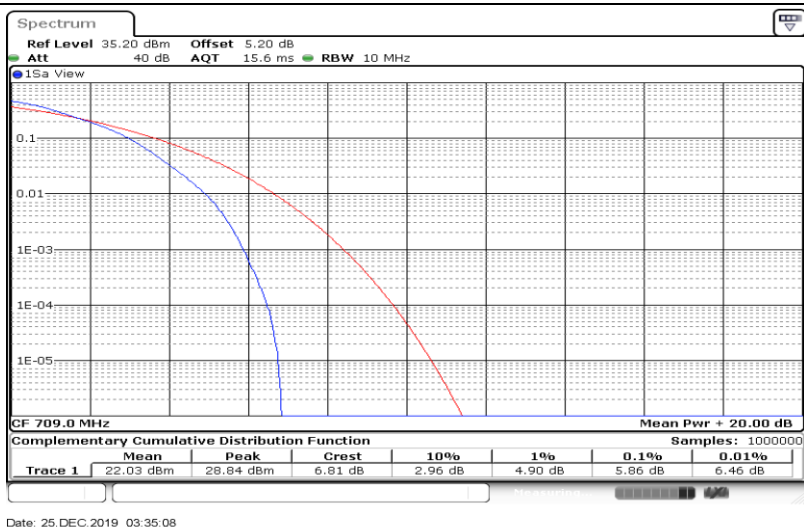


Band17-10MHz-QPSK-23800-50RB#0

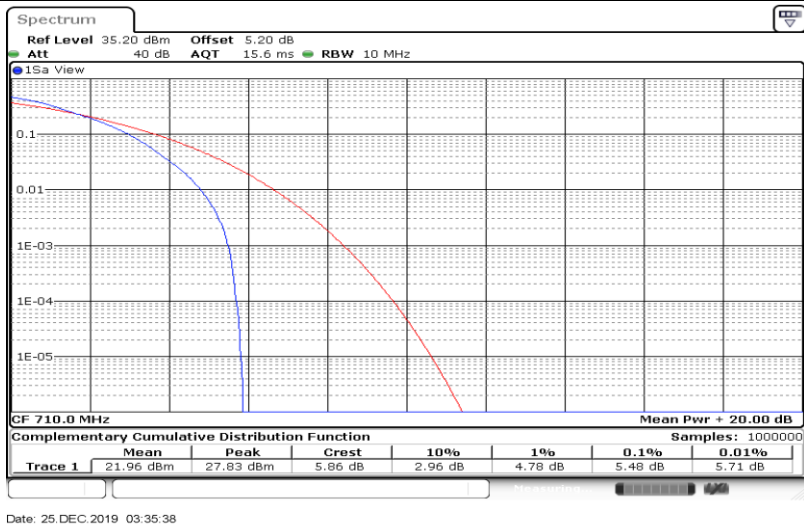


Band17-10MHz-64QAM-23780-50RB#0





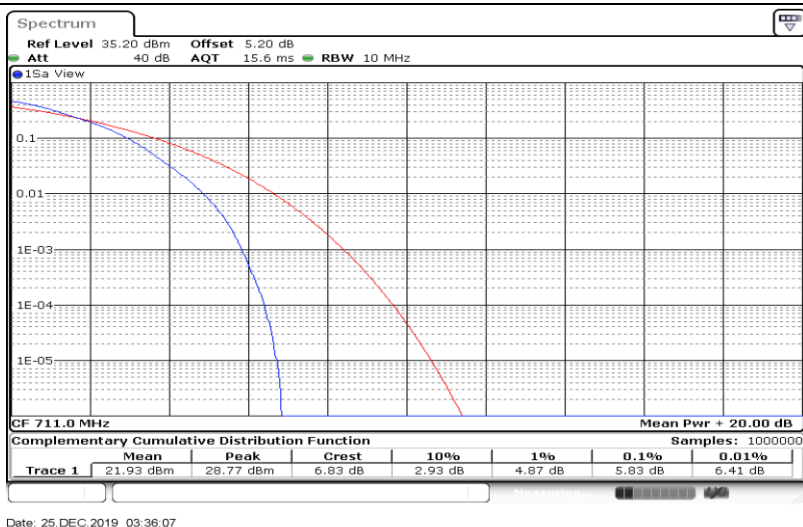
Band17-10MHz-64QAM-23790-50RB#0



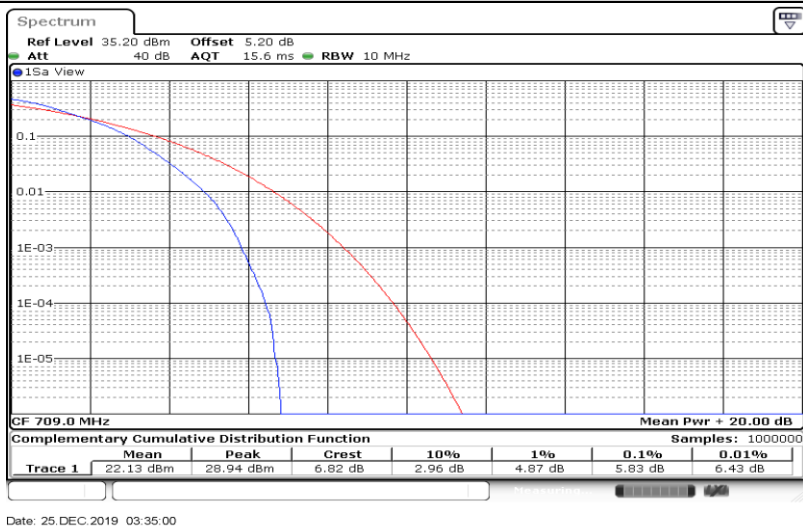
Band17-10MHz-64QAM-23800-50RB#0







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

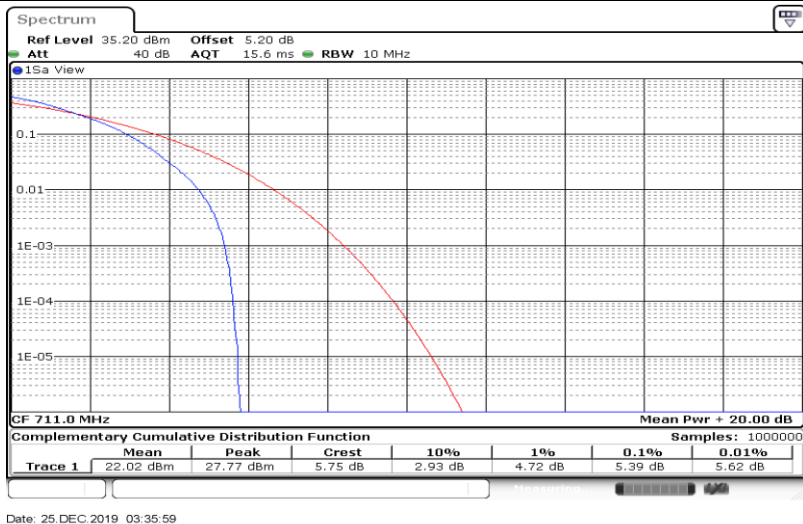


**Band17-10MHz-16QAM-23790-50RB#0**





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



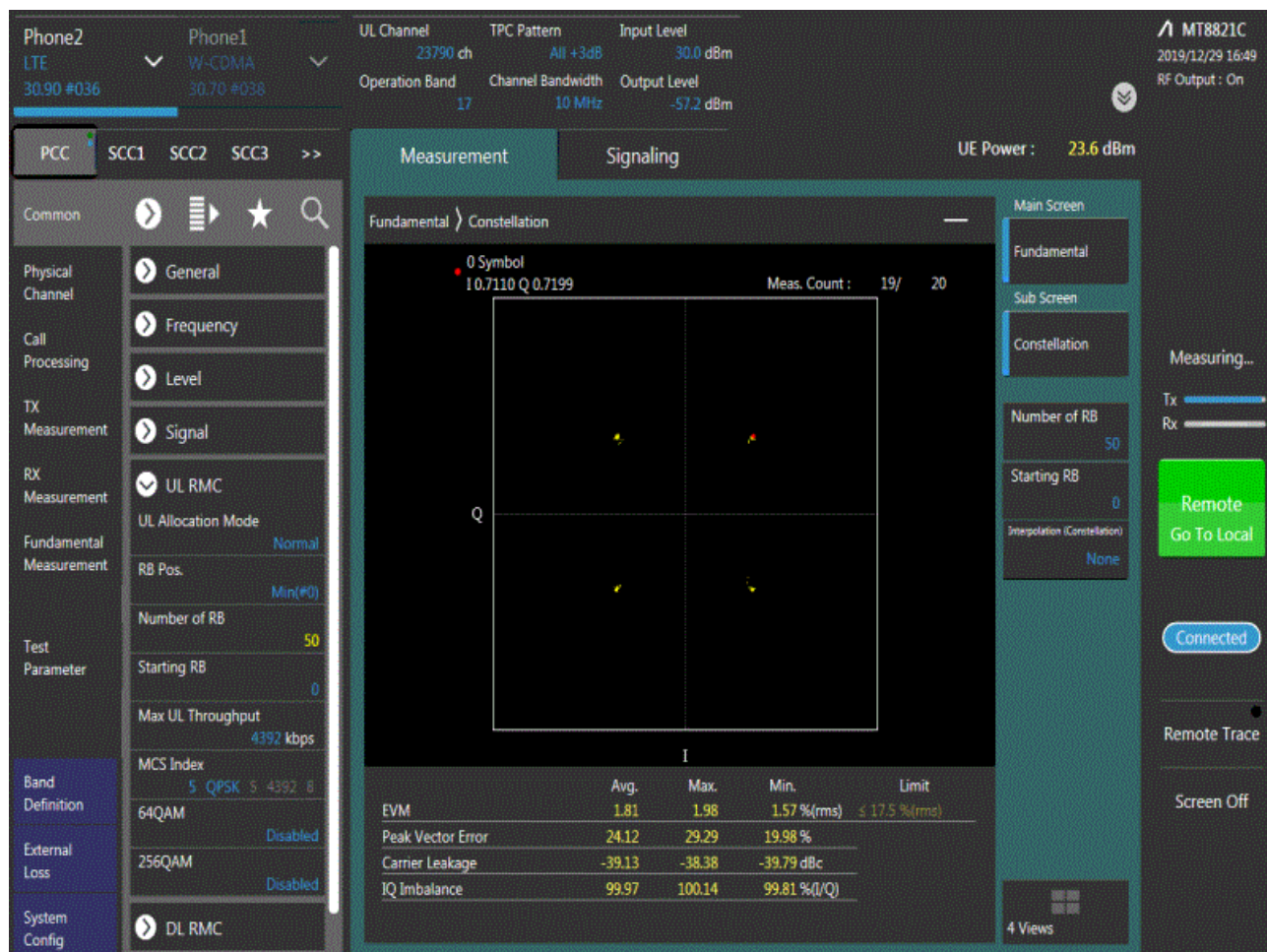
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

### 3. Modulation Characteristics

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

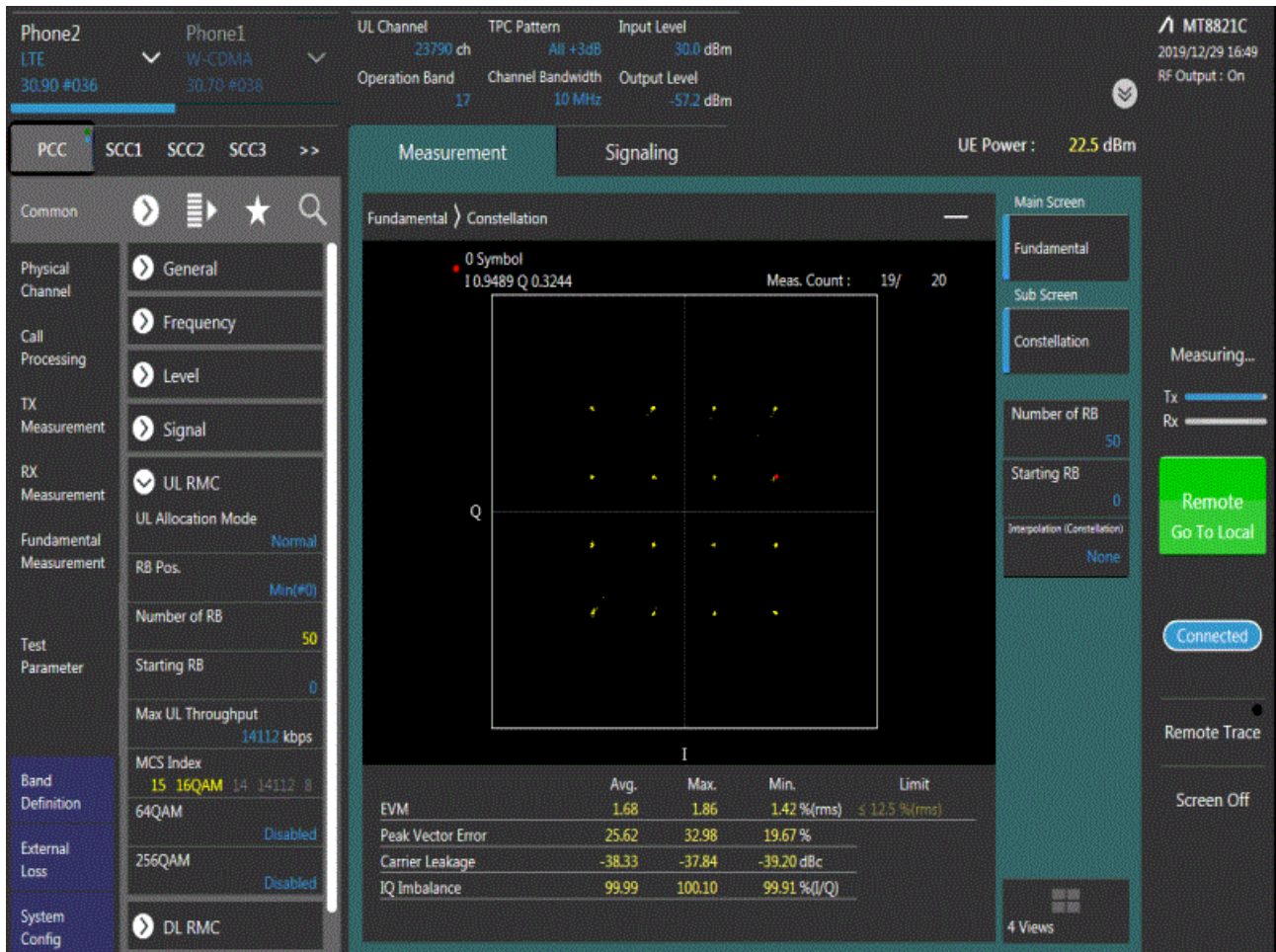
##### 3.1.1. Test Channel = MCH





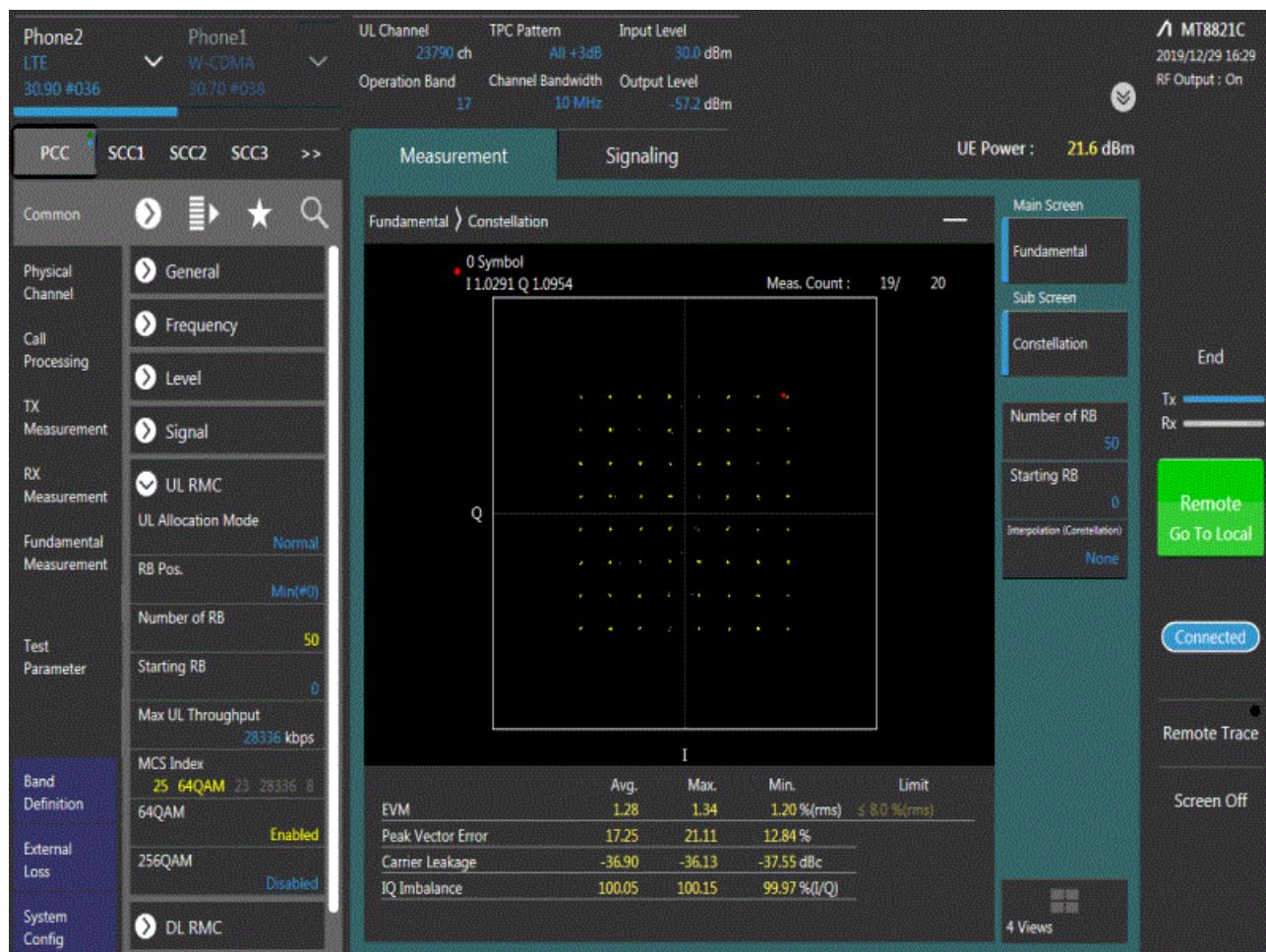
### 3.2. Test Mode = LTE /TM2 10MHz

#### 3.2.1. Test Channel = MCH



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

#### 3.3.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

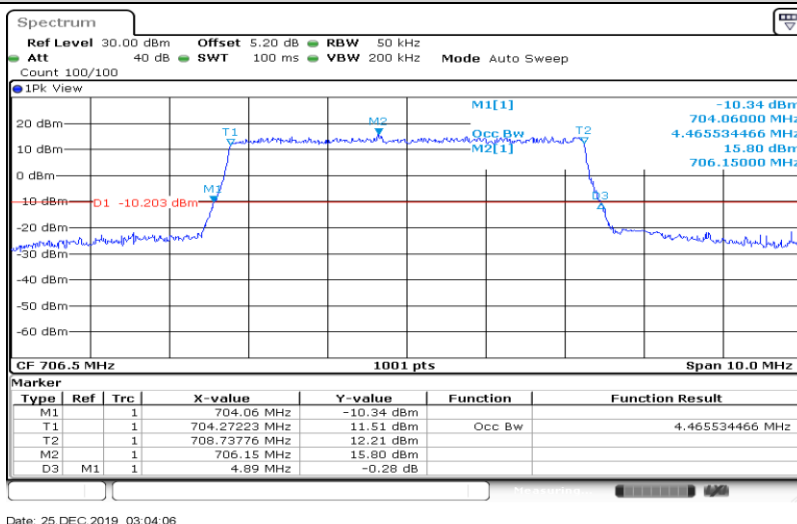
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.466	4.890	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.476	4.900	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.456	4.890	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.476	4.940	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.476	4.910	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.476	4.930	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.486	4.940	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.476	4.900	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.476	4.930	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.911	9.640	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.931	9.680	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.931	9.680	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.931	9.620	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.911	9.560	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.911	9.620	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.931	9.620	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.911	9.660	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.911	9.640	PASS



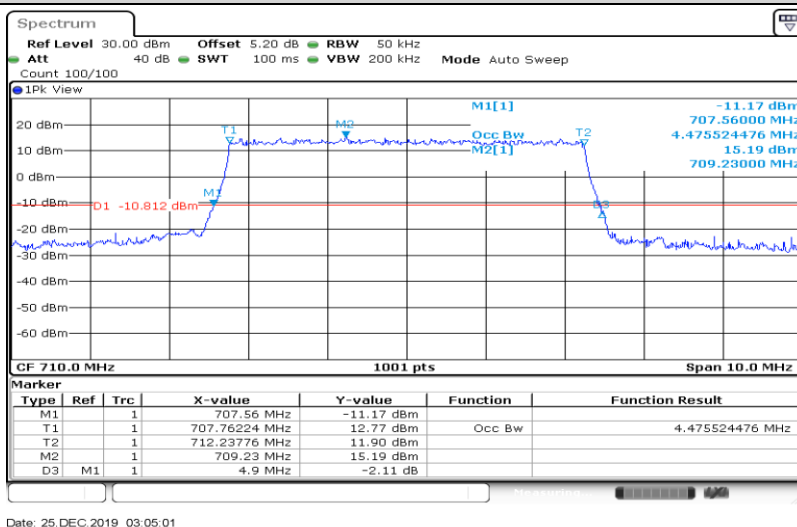


## 4.2. Test Plots

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

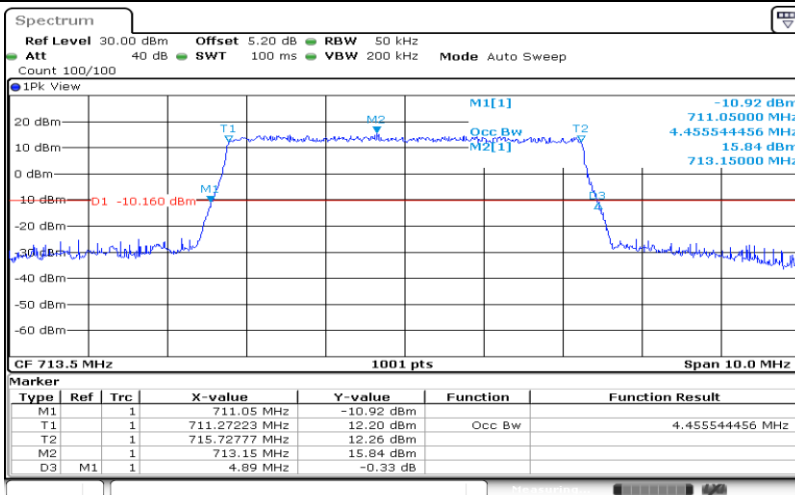


**Band17-5MHz-QPSK-23790-25RB#0-4.476**



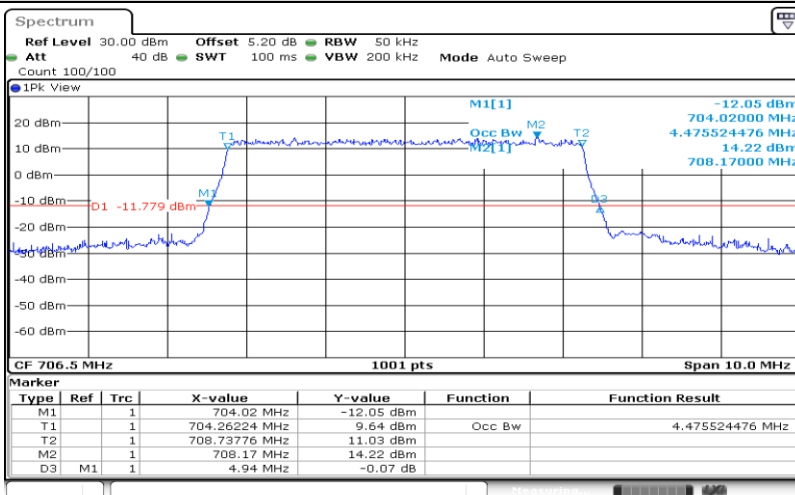
**Band17-5MHz-QPSK-23825-25RB#0-4.456**





Date: 25.DEC.2019 03:09:00

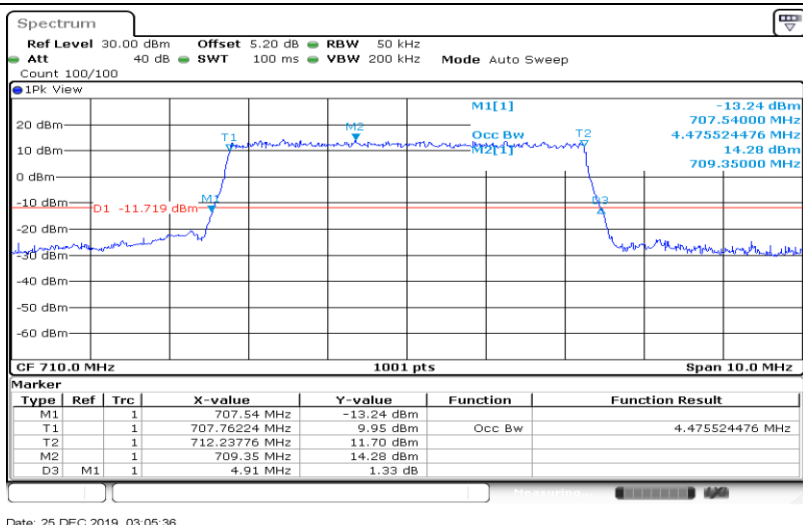
## Band17-5MHz-64QAM-23755-25RB#0-4.476



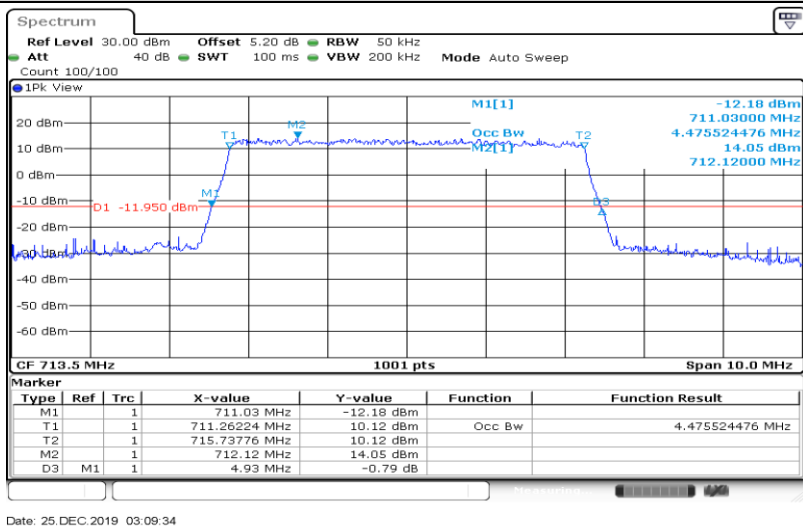
Date: 25.DEC.2019 03:04:40

## Band17-5MHz-64QAM-23790-25RB#0-4.476





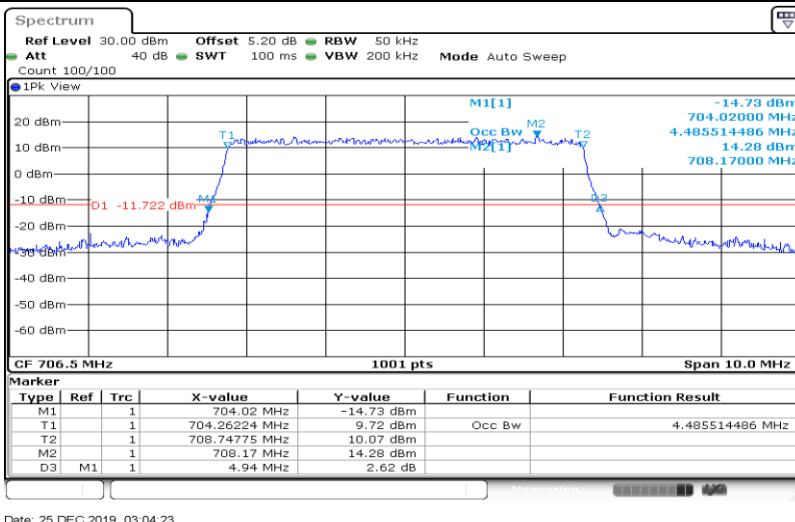
## Band17-5MHz-64QAM-23825-25RB#0-4.476



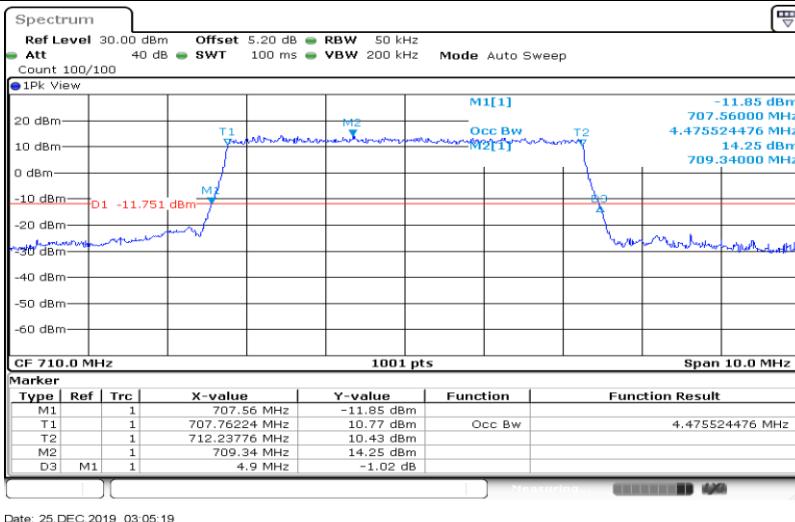
## Band17-5MHz-16QAM-23755-25RB#0-4.486





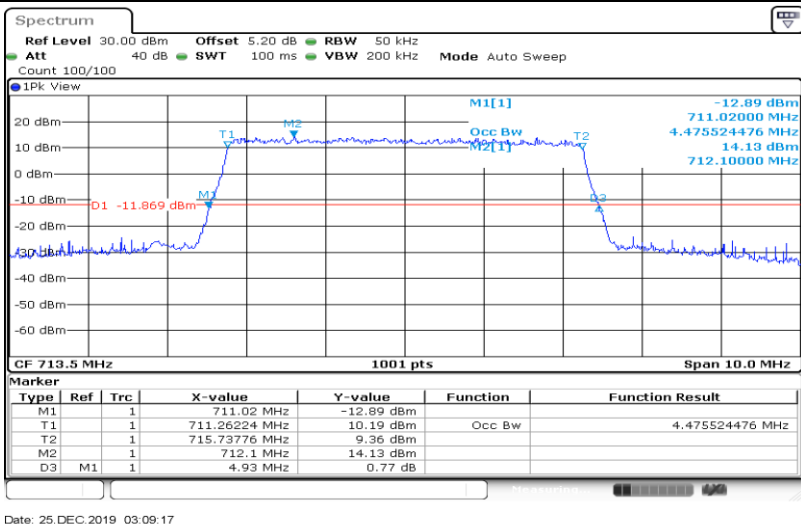


## Band17-5MHz-16QAM-23790-25RB#0-4.476

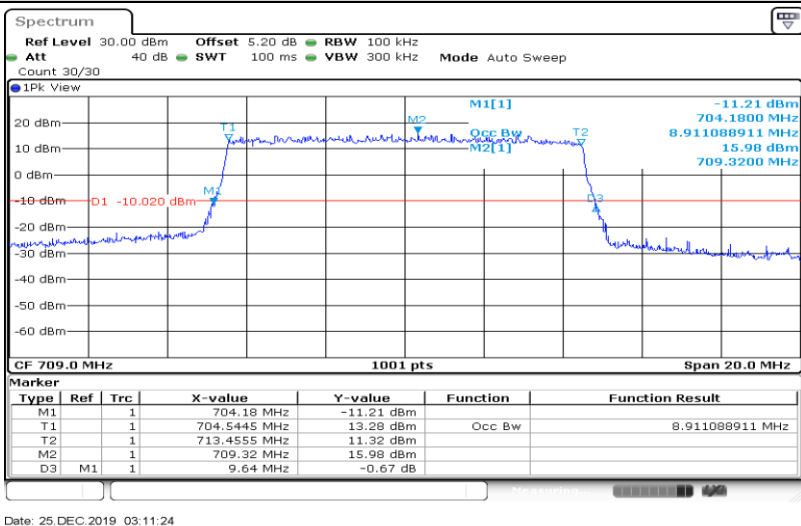


## Band17-5MHz-16QAM-23825-25RB#0-4.476



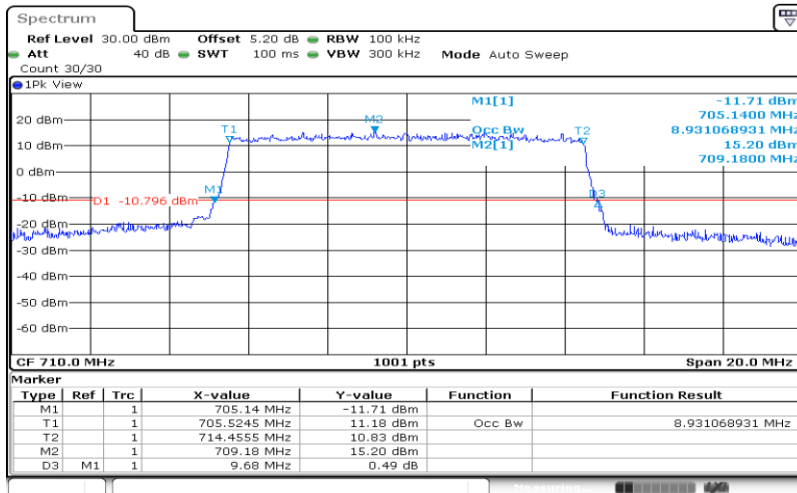


## Band17-10MHz-QPSK-23780-50RB#0-8.911



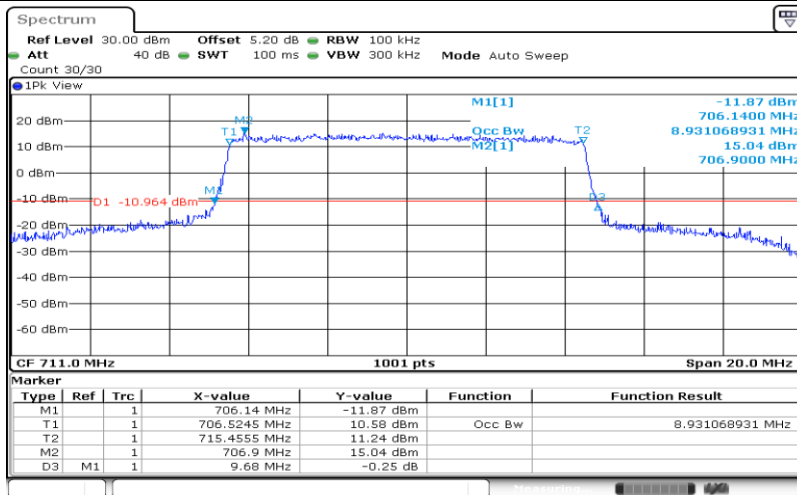
## Band17-10MHz-QPSK-23790-50RB#0-8.931





Date: 25.DEC.2019 03:11:58

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



Date: 25.DEC.2019 03:12:33

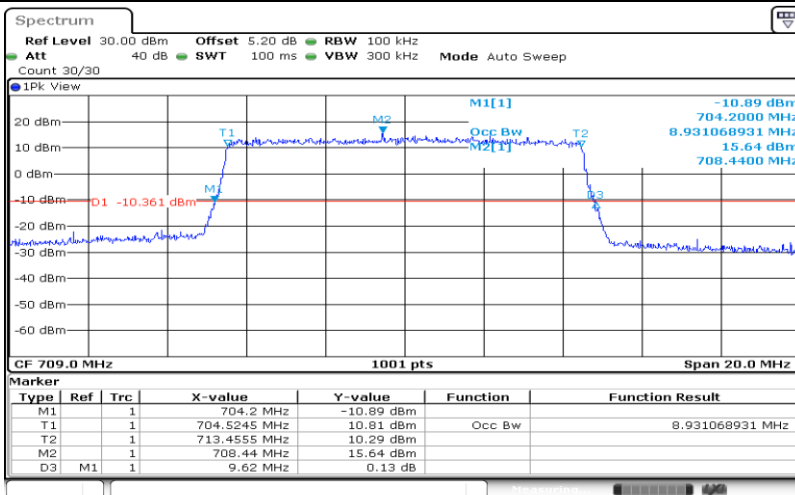
## Band17-10MHz-64QAM-23780-50RB#0-8.931

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (CCC Laboratory)

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

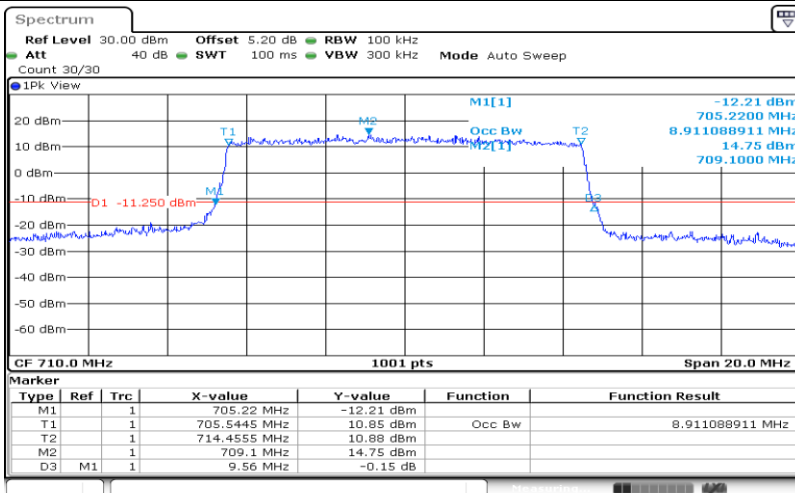
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053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





Date: 25.DEC.2019 03:11:44

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



Date: 25.DEC.2019 03:12:18

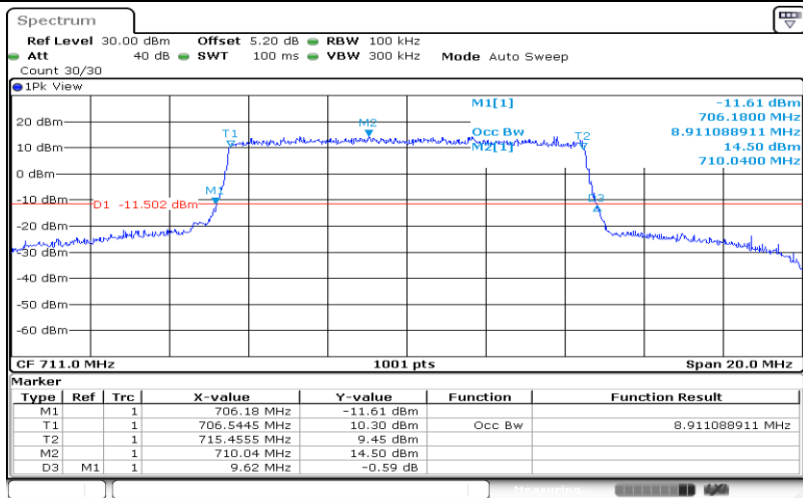
## Band17-10MHz-64QAM-23800-50RB#0-8.911



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

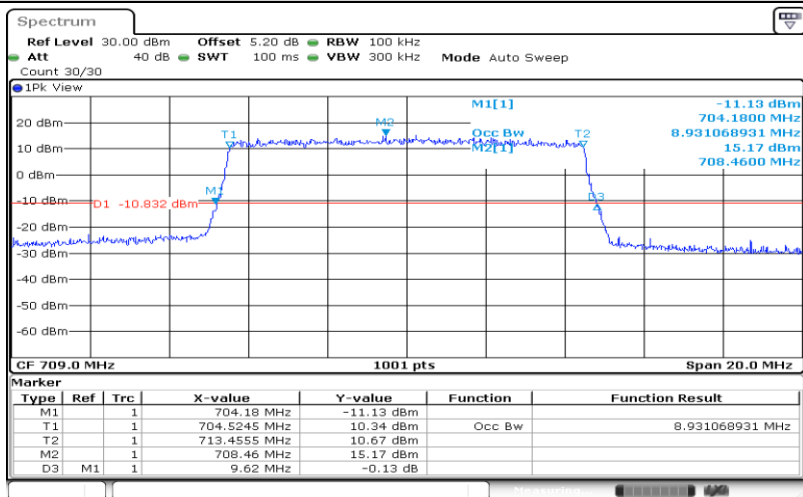
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Date: 25.DEC.2019 03:12:53

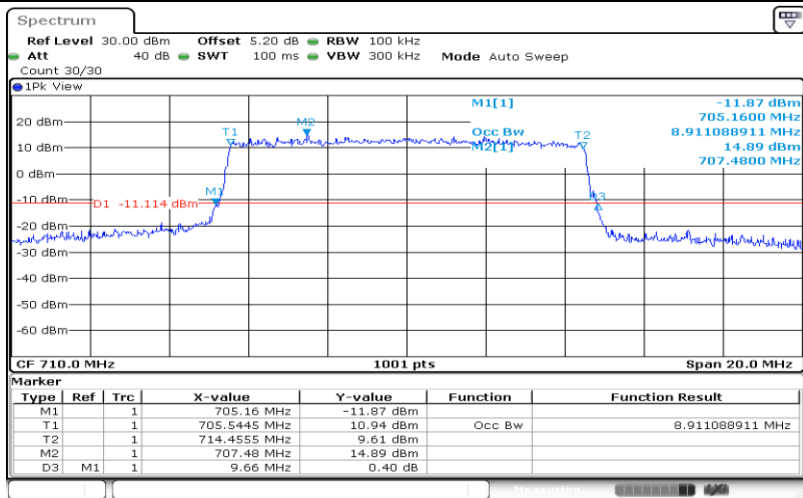
## Band17-10MHz-16QAM-23780-50RB#0-8.931



Date: 25.DEC.2019 03:11:34

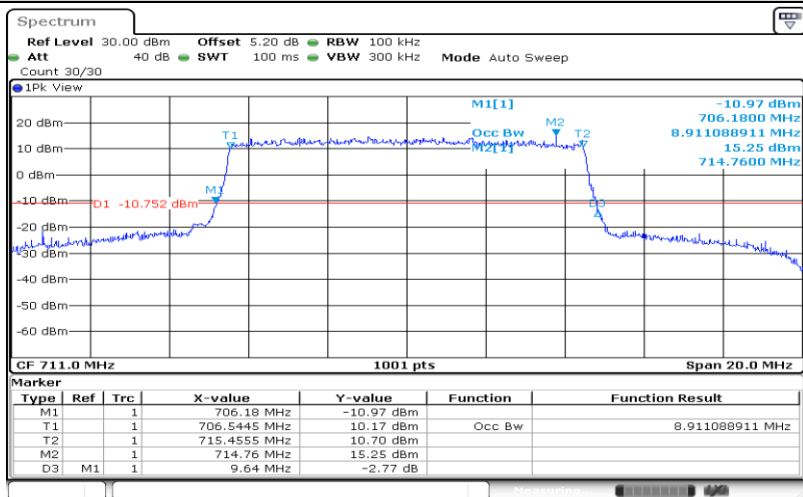
## Band17-10MHz-16QAM-23790-50RB#0-8.911





Date: 25.DEC.2019 03:12:08

## Band17-10MHz-16QAM-23800-50RB#0-8.911



Date: 25.DEC.2019 03:12:43

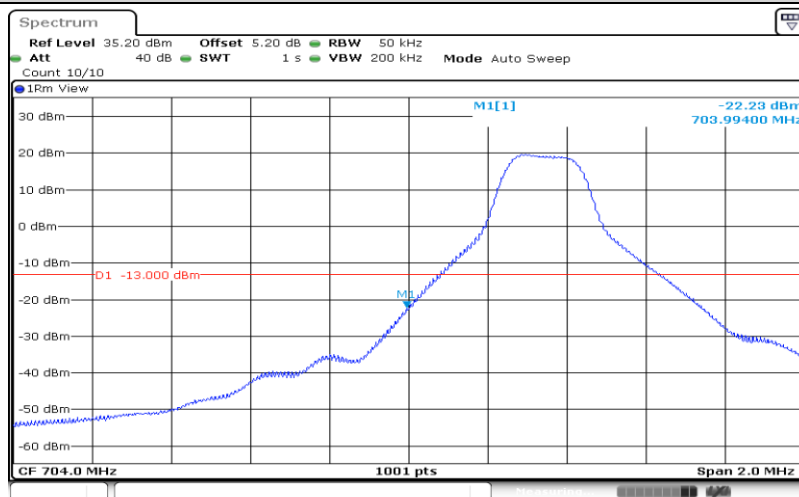




## 5. Band Edge Compliance

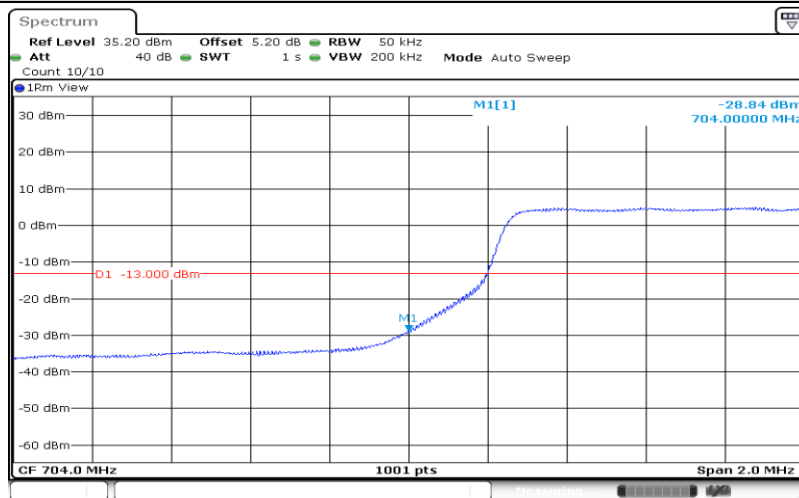
### 5.1. Test Plots

Band17-5MHz-QPSK-23755-1RB#0



Date: 25. DEC. 2019 03:13:20

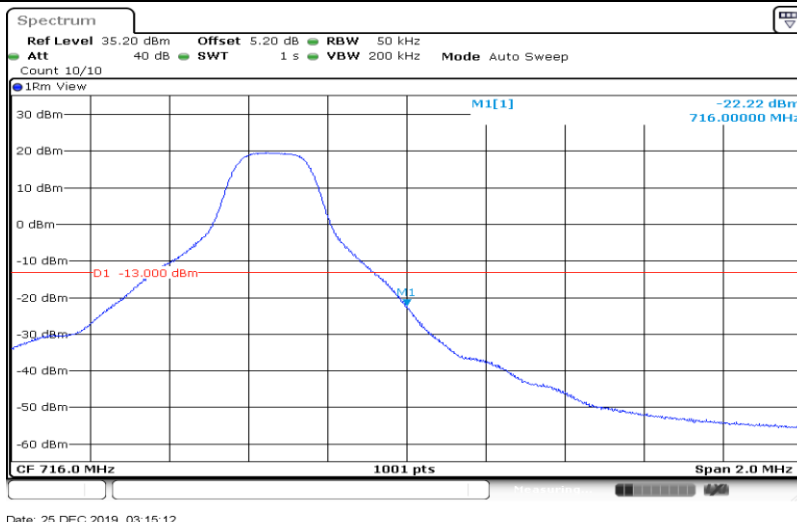
Band17-5MHz-QPSK-23755-25RB#0



Date: 25. DEC. 2019 03:14:12

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



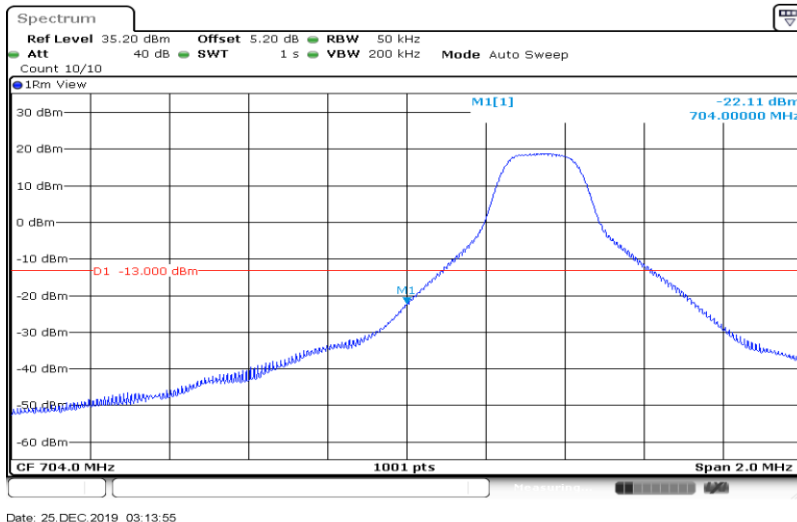


**Band17-5MHz-QPSK-23825-25RB#0**

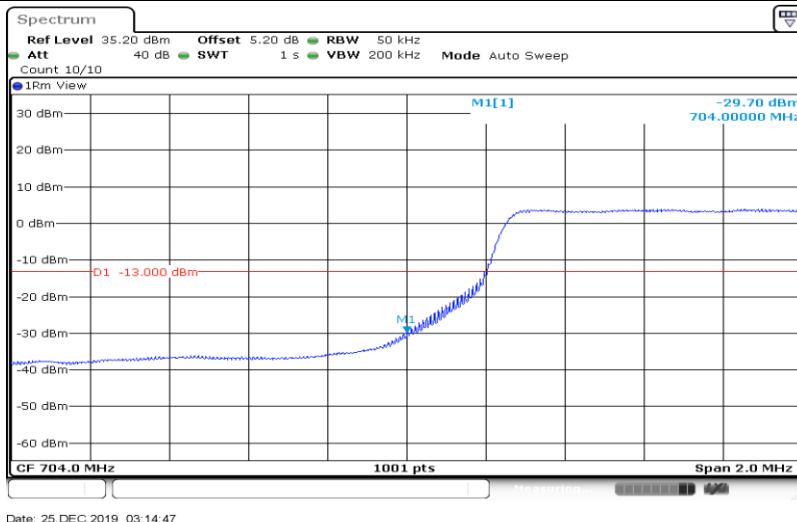


**Band17-5MHz-64QAM-23755-1RB#0**





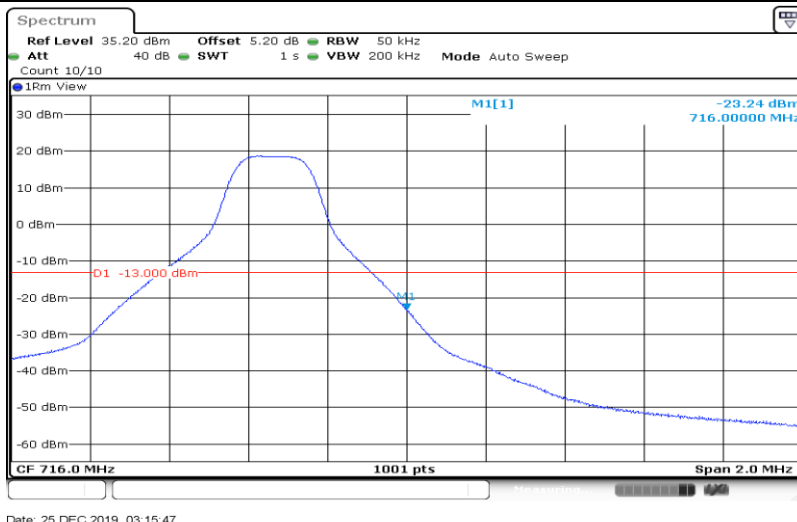
Band17-5MHz-64QAM-23755-25RB#0



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





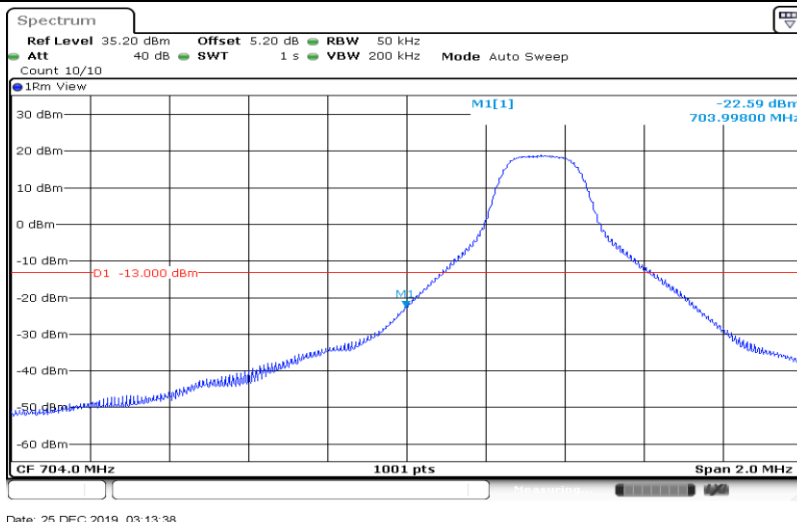


Band17-5MHz-64QAM-23825-25RB#0

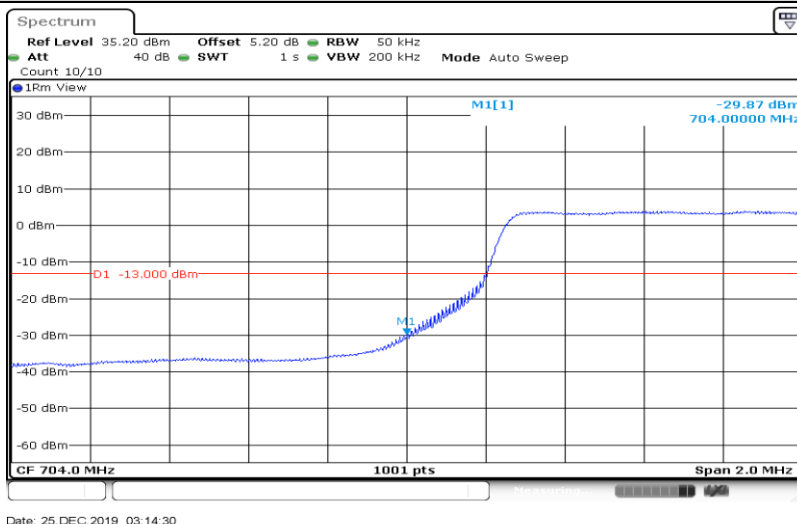


Band17-5MHz-16QAM-23755-1RB#0





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



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



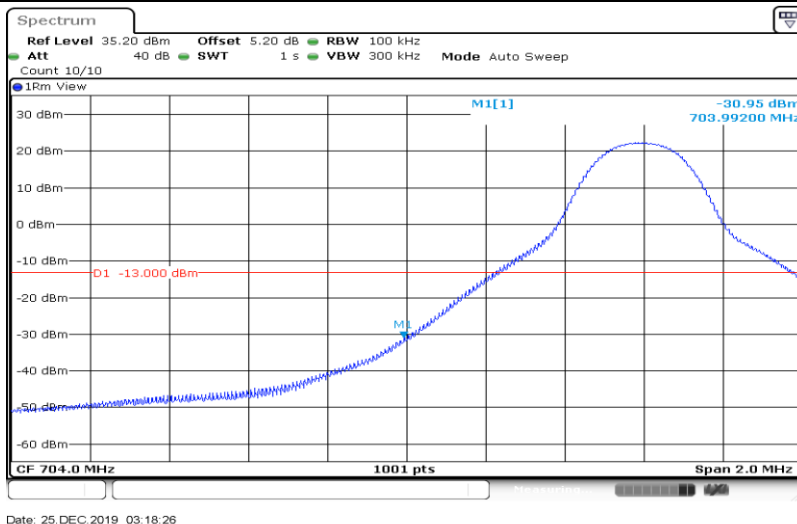


Band17-5MHz-16QAM-23825-25RB#0

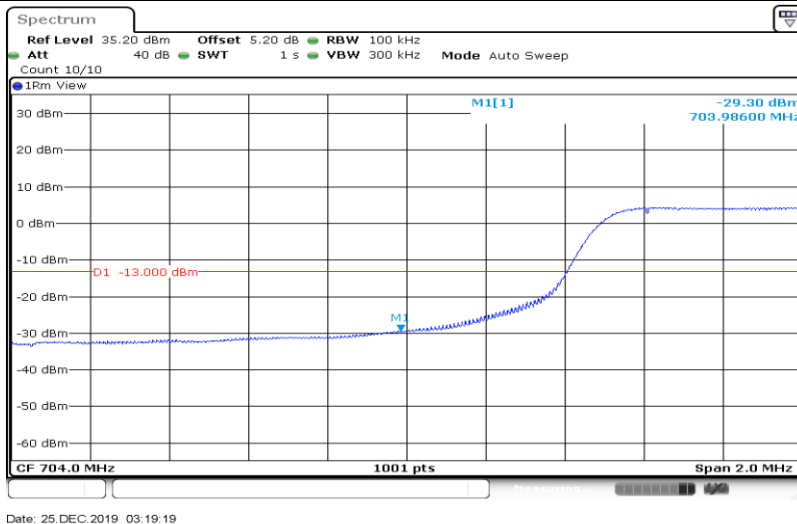


Band17-10MHz-QPSK-23780-1RB#0





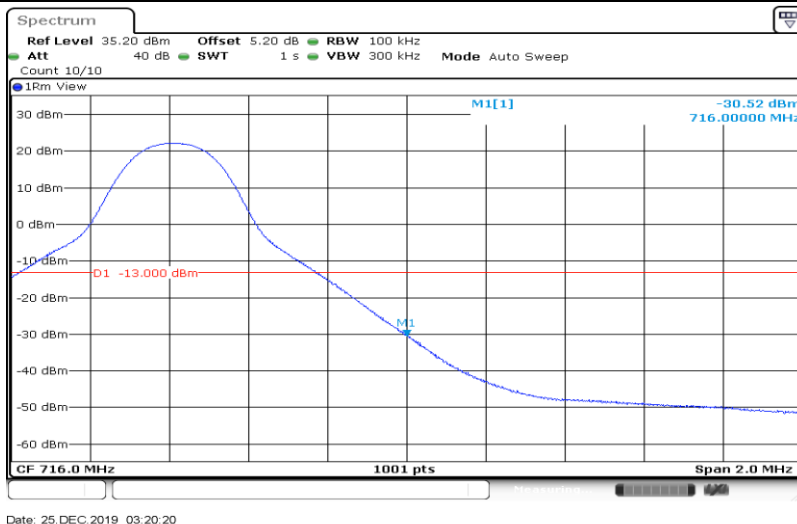
Band17-10MHz-QPSK-23780-50RB#0



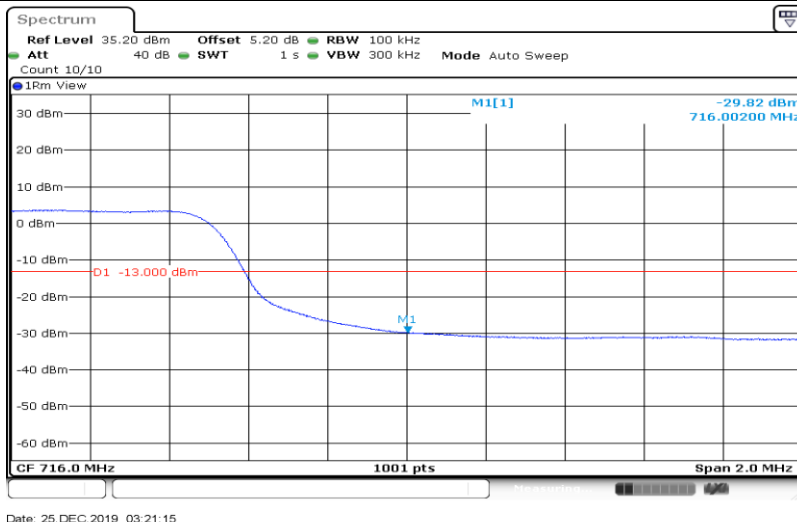
Band17-10MHz-QPSK-23800-1RB#49





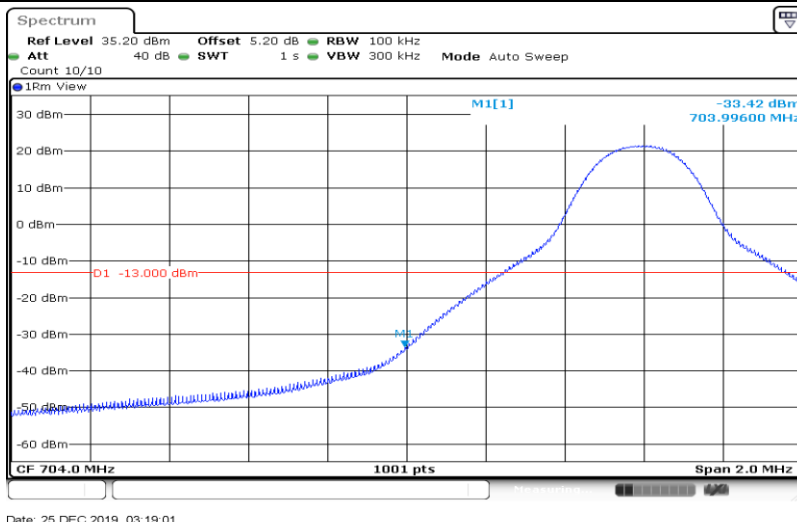


**Band17-10MHz-QPSK-23800-50RB#0**

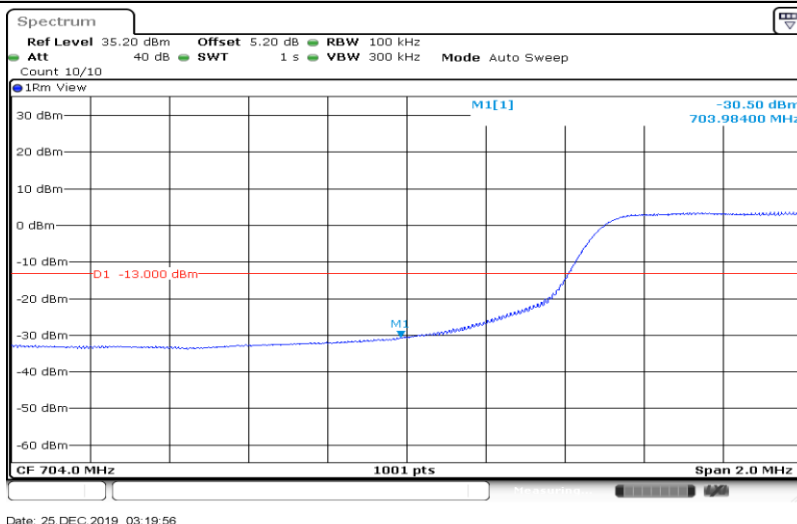


**Band17-10MHz-64QAM-23780-1RB#0**



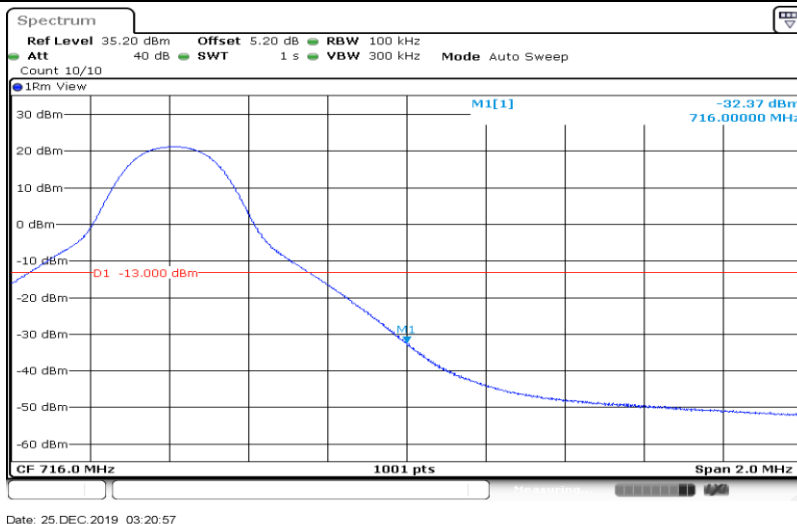


Band17-10MHz-64QAM-23780-50RB#0

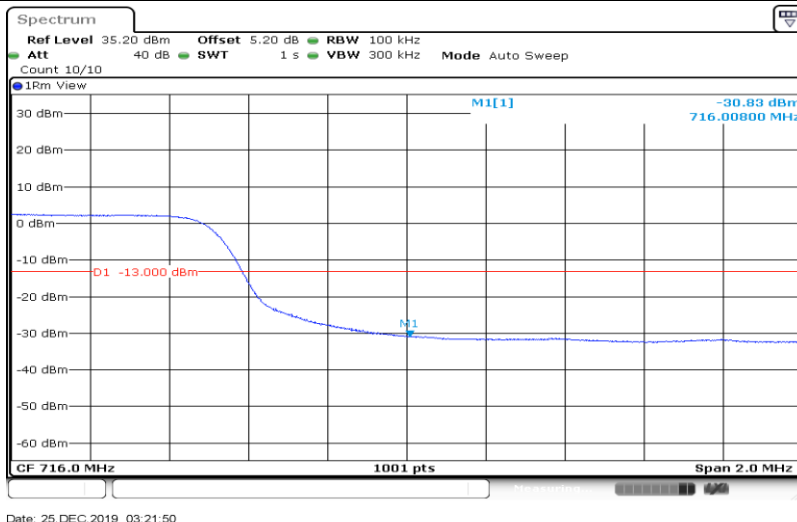


Band17-10MHz-64QAM-23800-1RB#49



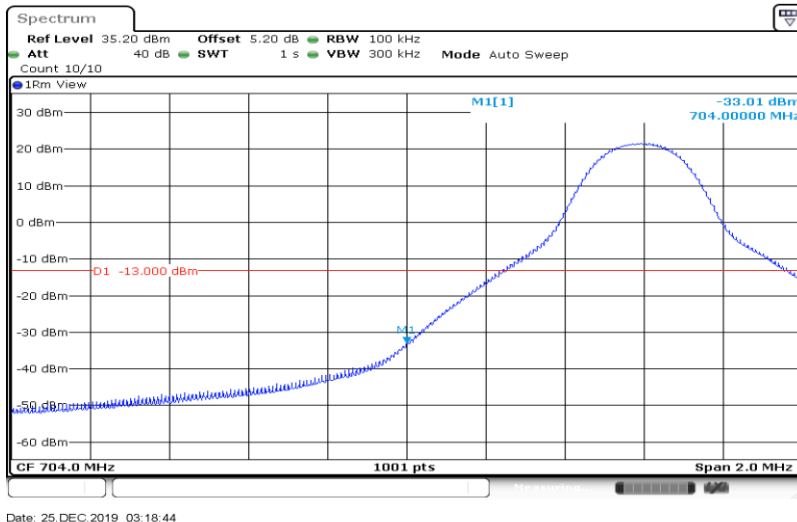


**Band17-10MHz-64QAM-23800-50RB#0**

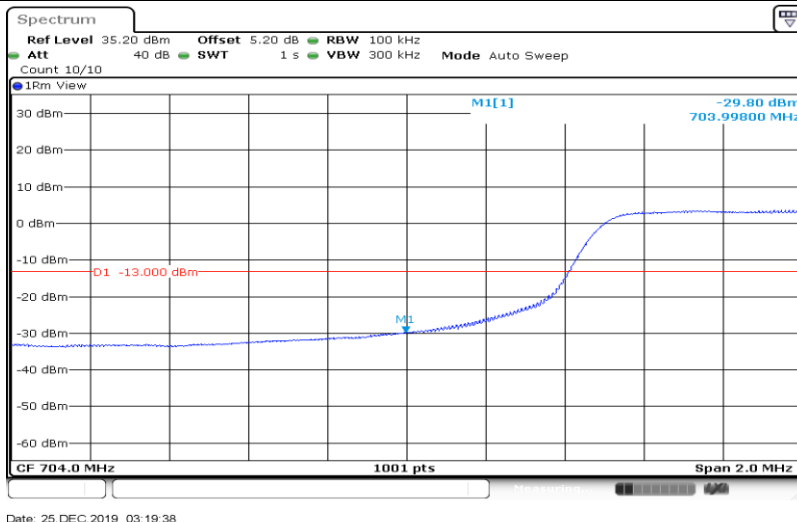


**Band17-10MHz-16QAM-23780-1RB#0**





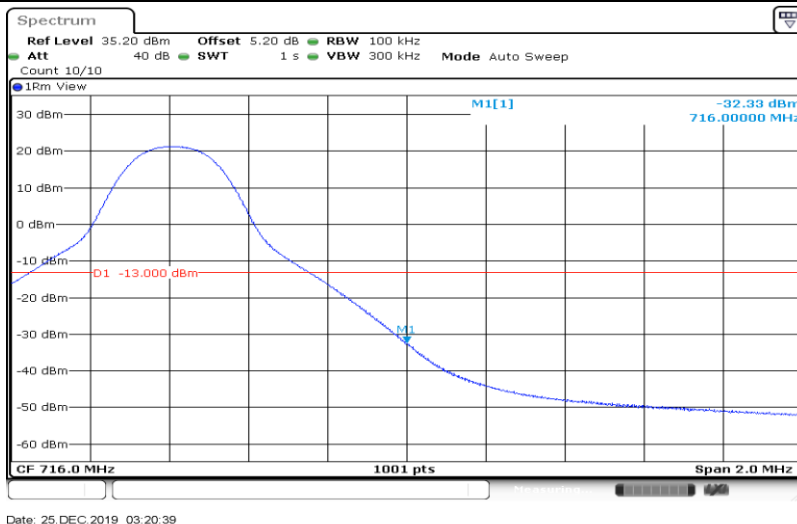
Band17-10MHz-16QAM-23780-50RB#0



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

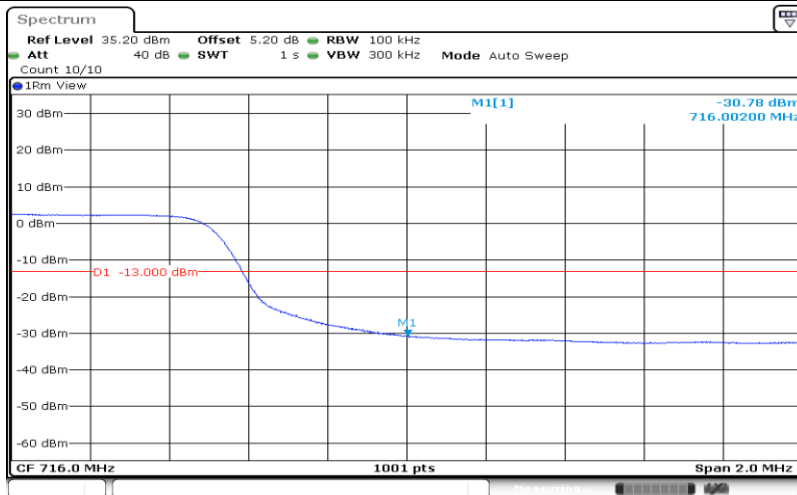






Date: 25.DEC.2019 03:20:39

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



Date: 25.DEC.2019 03:21:33



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (CCC Laboratory)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

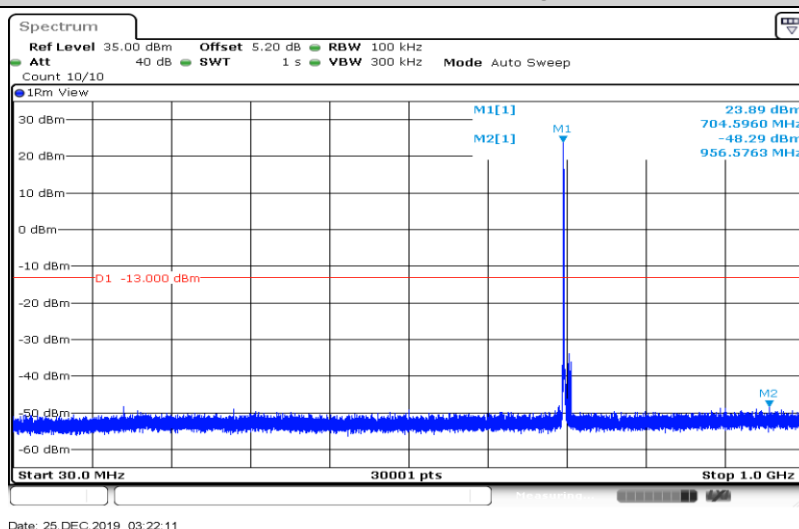
## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

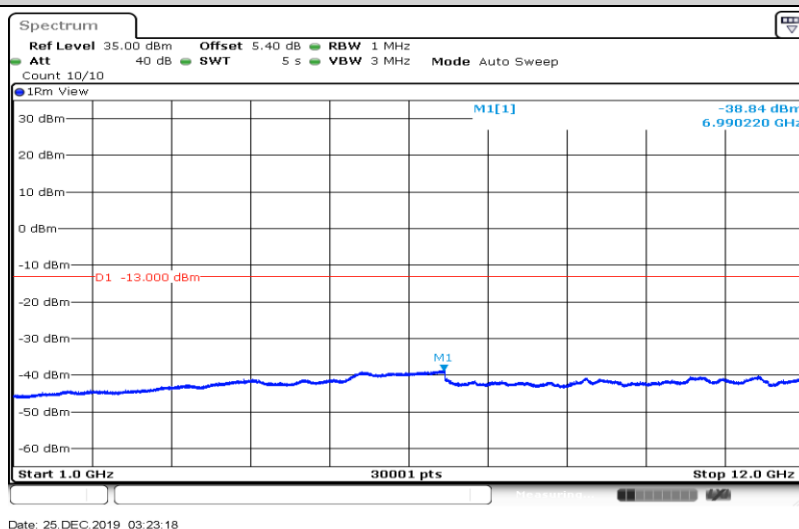
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

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

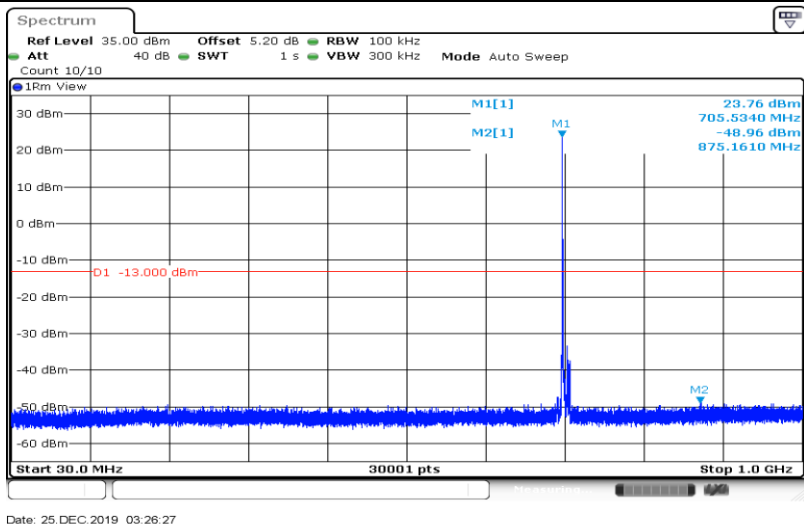


Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~12000MHz

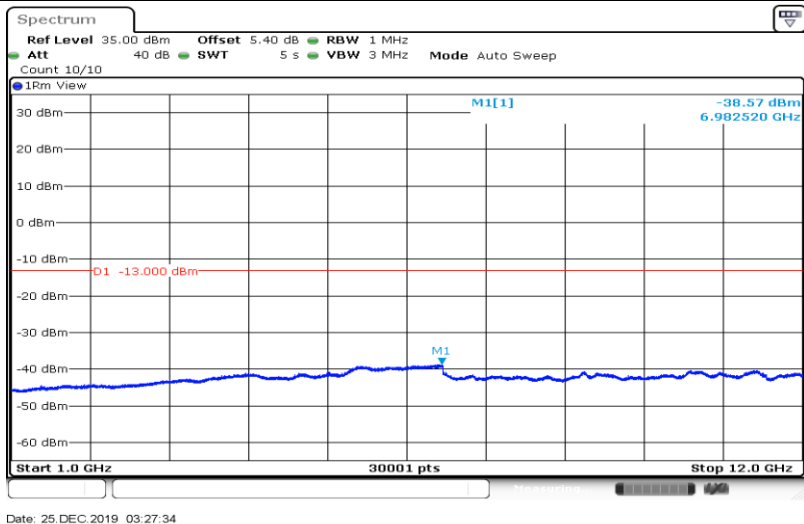


Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



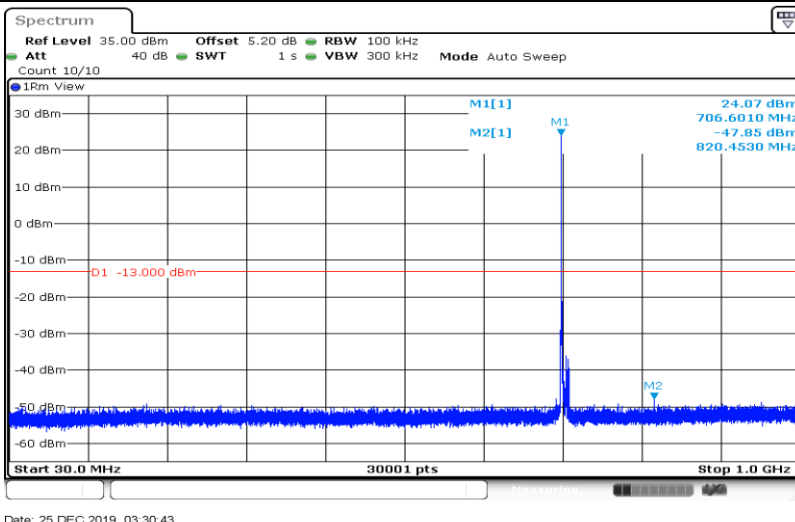


Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~12000MHz

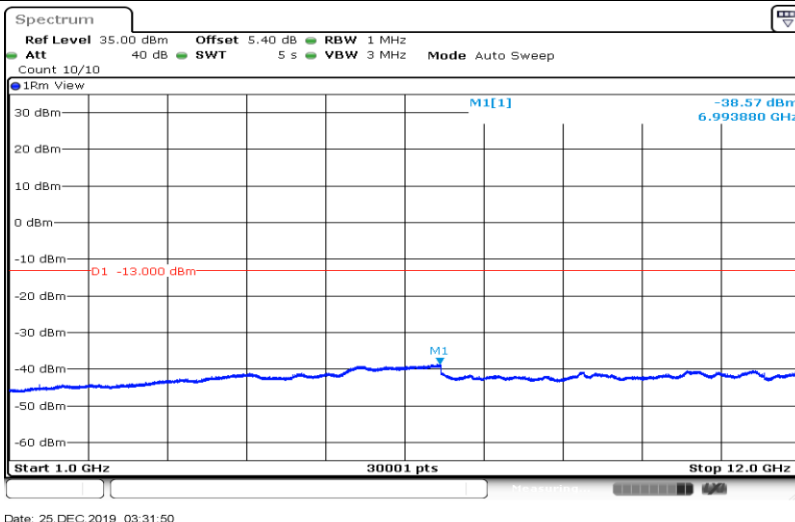


Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz





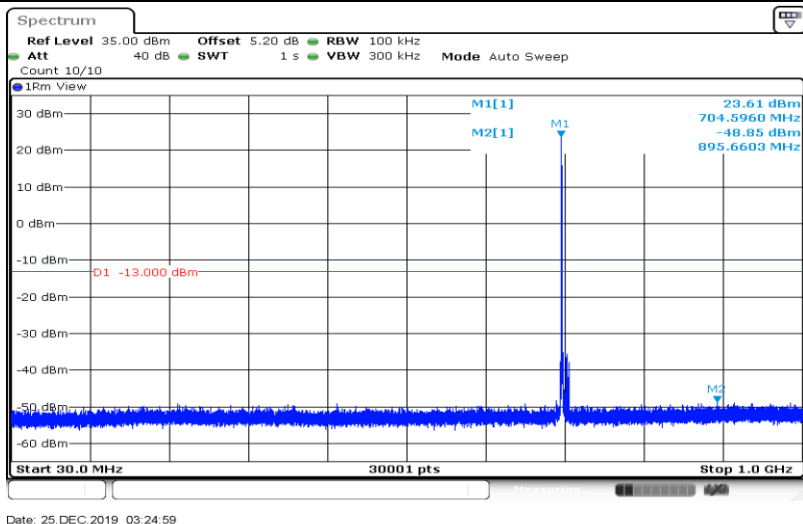
Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~12000MHz



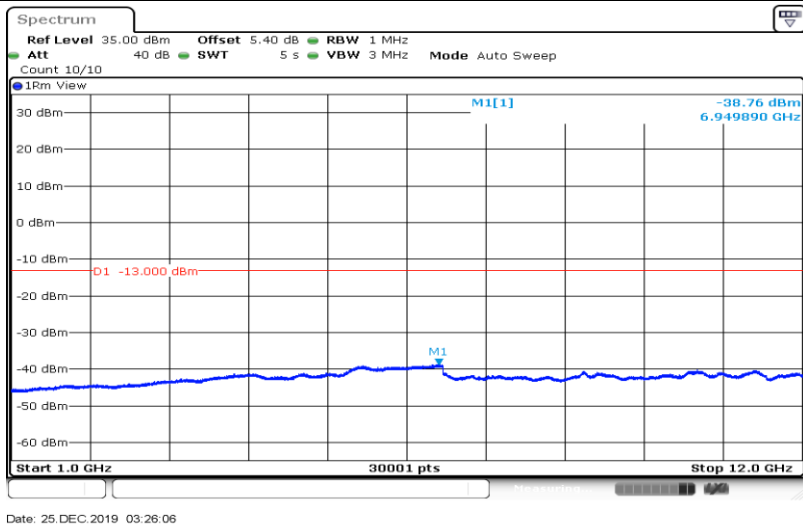
Band17-10MHz-64QAM-23780-1RB#0-Range1:30~1000MHz





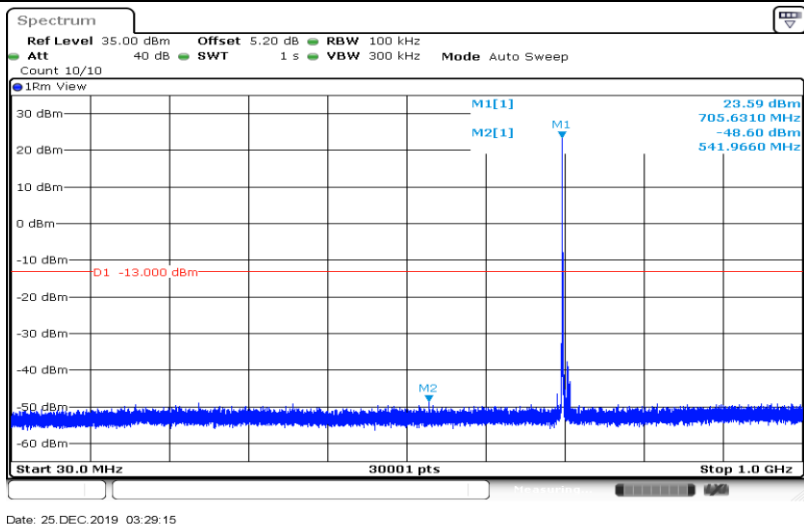


Band17-10MHz-64QAM-23780-1RB#0-Range2:1000~12000MHz

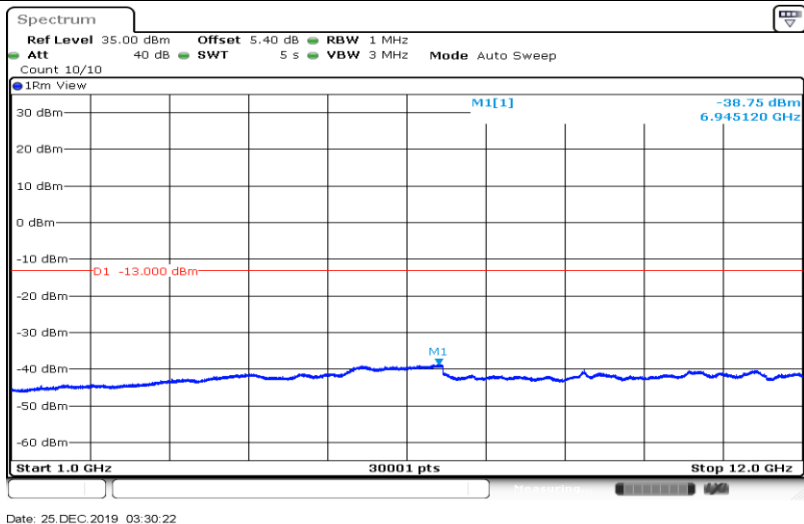


Band17-10MHz-64QAM-23790-1RB#0-Range1:30~1000MHz



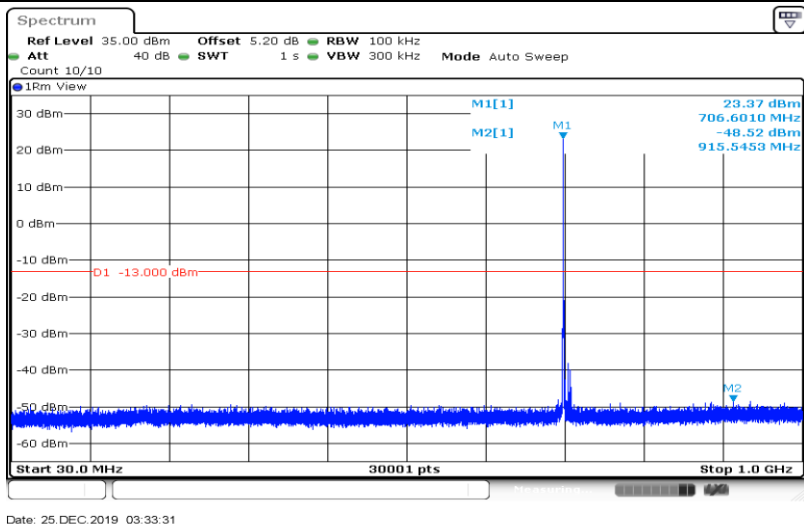


Band17-10MHz-64QAM-23790-1RB#0-Range2:1000~12000MHz

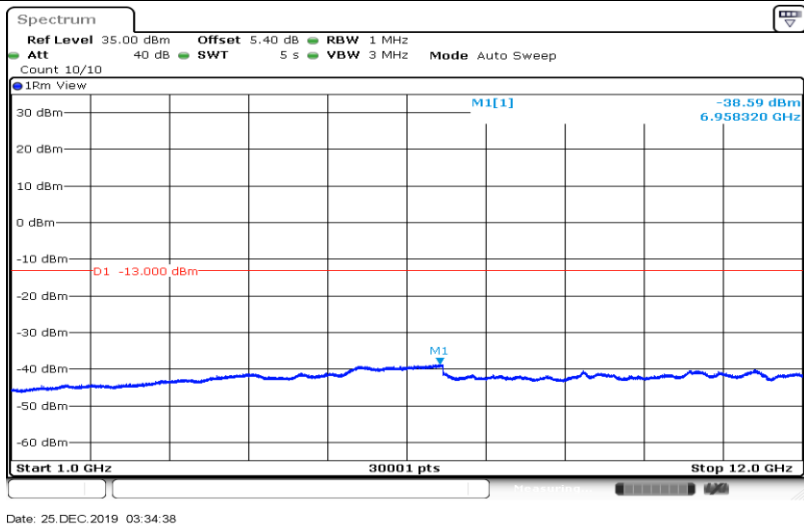


Band17-10MHz-64QAM-23800-1RB#0-Range1:30~1000MHz



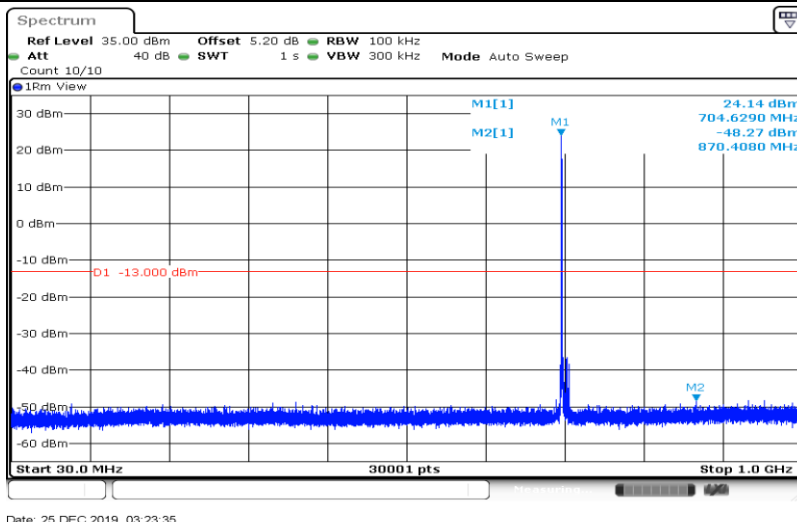


Band17-10MHz-64QAM-23800-1RB#0-Range2:1000~12000MHz

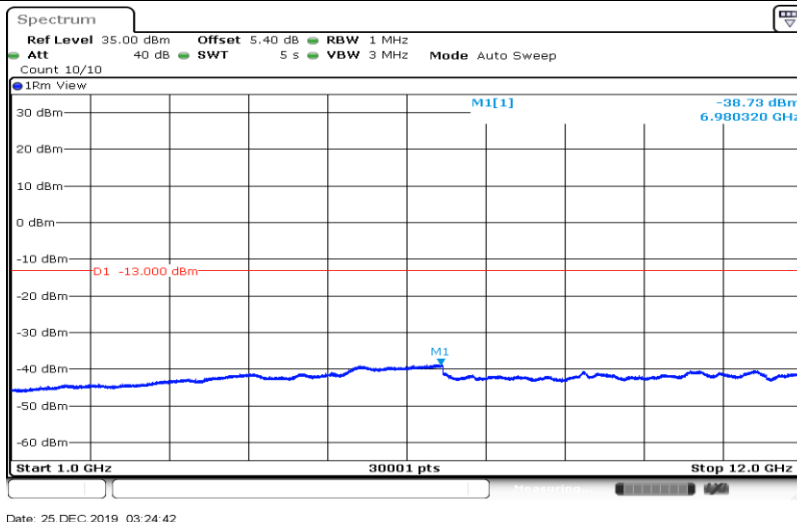


Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz





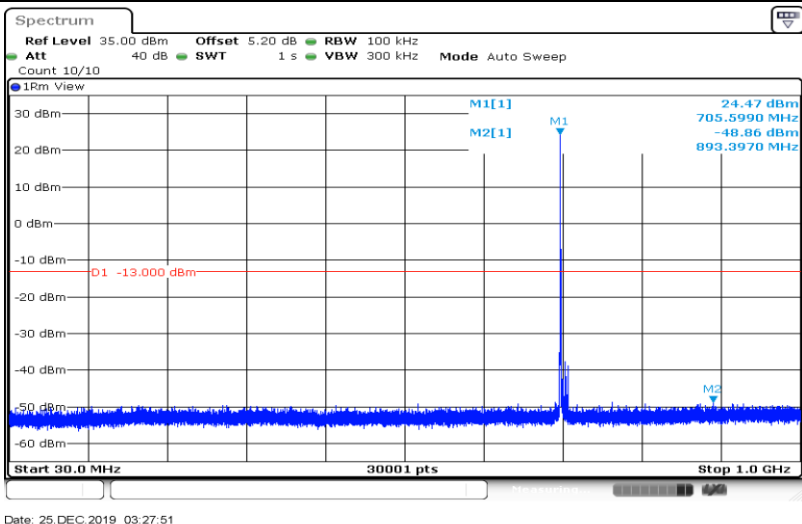
Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~12000MHz



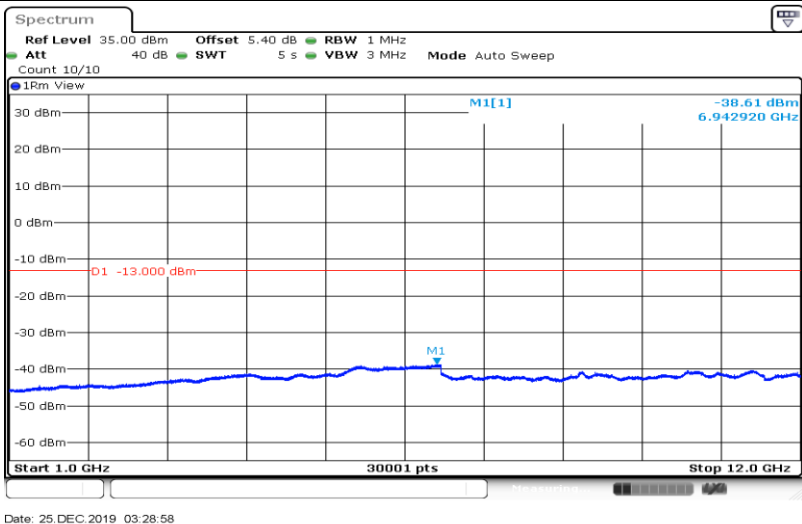
Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz





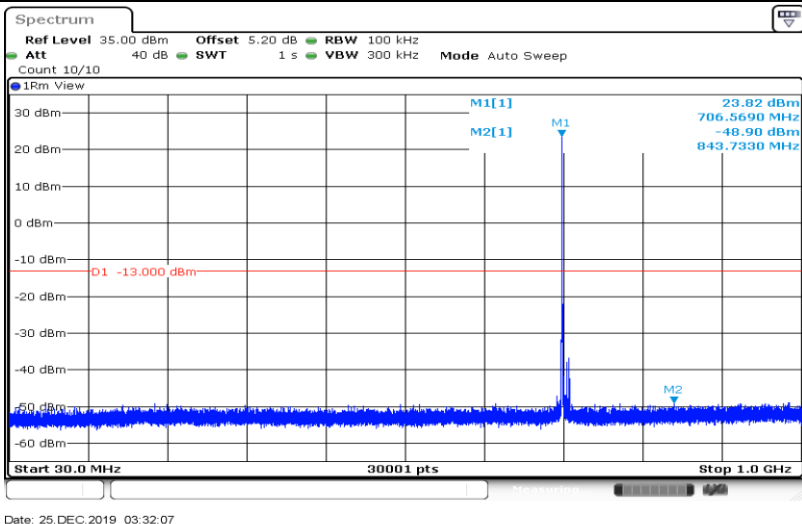


Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~12000MHz

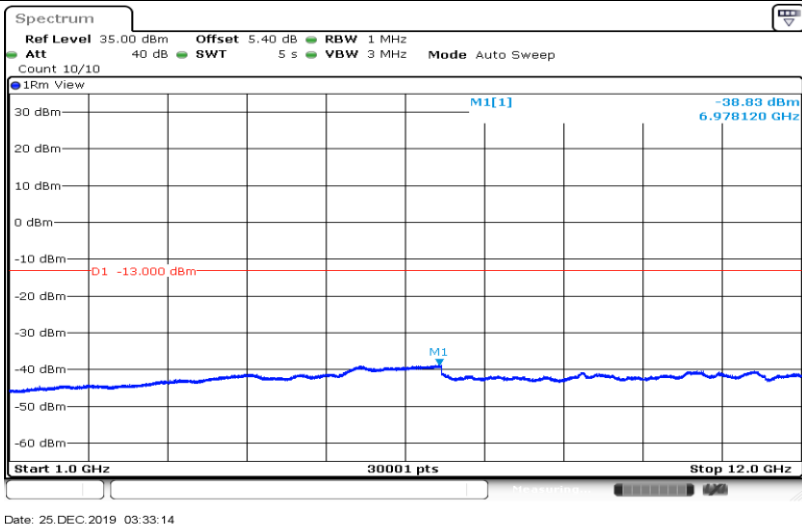


Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz





## Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~12000MHz



## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 (Ant0)

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.9206	-65.36	-13.00	52.36	325	64	Vertical
515.6063	-66.66	-13.00	53.66	172	4	Vertical
999.7090	-57.15	-13.00	44.15	222	304	Vertical
2401.8804	-55.72	-13.00	42.72	284	165	Vertical
14480.2592	-47.99	-13.00	34.99	179	171	Vertical
17999.4000	-40.80	-13.00	27.80	246	91	Vertical
43.0957	-64.55	-13.00	51.55	168	4	Horizontal
229.4420	-67.74	-13.00	54.74	242	351	Horizontal
990.1055	-57.77	-13.00	44.77	112	4	Horizontal
2703.5407	-55.94	-13.00	42.94	274	135	Horizontal
9275.6510	-54.39	-13.00	41.39	176	244	Horizontal
16378.7351	-44.43	-13.00	31.43	284	298	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
118.3714	-65.23	-13.00	52.23	188	324	Vertical
446.2478	-66.79	-13.00	53.79	143	352	Vertical
3000.0000	-56.29	-13.00	43.29	242	149	Vertical
7382.5753	-56.59	-13.00	43.59	111	84	Vertical
14696.2679	-48.33	-13.00	35.33	168	298	Vertical
17999.4000	-40.49	-13.00	27.49	196	352	Vertical
41.3011	-65.11	-13.00	52.11	232	31	Horizontal
228.9569	-68.91	-13.00	55.91	244	218	Horizontal
994.3252	-57.43	-13.00	44.43	142	352	Horizontal
2699.1398	-55.99	-13.00	42.99	222	45	Horizontal
8001.8001	-57.16	-13.00	44.16	289	271	Horizontal
16396.1358	-44.25	-13.00	31.25	132	164	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)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
48.2369	-73.35	-13.00	60.35	288	31	Vertical
110.7080	-64.71	-13.00	51.71	254	138	Vertical
554.8932	-65.10	-13.00	52.10	242	4	Vertical
2711.1422	-57.29	-13.00	44.29	233	167	Vertical
7351.3741	-56.60	-13.00	43.60	327	110	Vertical
17996.9999	-40.47	-13.00	27.47	172	138	Vertical
43.8717	-64.30	-13.00	51.30	132	245	Horizontal
231.5276	-68.55	-13.00	55.55	166	110	Horizontal
996.5078	-56.27	-13.00	43.27	294	192	Horizontal
1412.8826	-64.39	-13.00	51.39	221	139	Horizontal
2706.7413	-56.02	-13.00	43.02	238	214	Horizontal
16376.9351	-44.09	-13.00	31.09	244	245	Horizontal

## 7.2. Test Mode =LTE/TM1 ( Ant1 )

### 7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.8421	-65.57	-13.00	52.57	174	4	Vertical
567.7949	-66.12	-13.00	53.12	185	4	Vertical
998.5449	-56.56	-13.00	43.56	196	110	Vertical
2998.7998	-56.39	-13.00	43.39	231	289	Vertical
14504.8602	-49.61	-13.00	36.61	266	191	Vertical
17999.4000	-43.75	-13.00	30.75	261	110	Vertical
43.5322	-63.70	-13.00	50.70	185	4	Horizontal
243.4107	-68.72	-13.00	55.72	196	32	Horizontal
981.3751	-57.15	-13.00	44.15	231	85	Horizontal
2700.3401	-56.07	-13.00	43.07	262	78	Horizontal
9553.4621	-54.41	-13.00	41.41	261	32	Horizontal
16396.1358	-45.49	-13.00	32.49	184	85	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-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)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



## 7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
106.8763	-65.35	-13.00	52.35	145	350	Vertical
582.8306	-65.74	-13.00	52.74	185	138	Vertical
994.0827	-56.69	-13.00	43.69	321	191	Vertical
2987.5975	-56.68	-13.00	43.68	252	247	Vertical
14480.2592	-50.21	-13.00	37.21	262	138	Vertical
17999.4000	-44.62	-13.00	31.62	215	270	Vertical
40.4765	-64.61	-13.00	51.61	174	57	Horizontal
235.9898	-68.37	-13.00	55.37	185	245	Horizontal
995.7803	-55.48	-13.00	42.48	231	84	Horizontal
2998.7998	-56.61	-13.00	43.61	252	56	Horizontal
9570.8628	-54.82	-13.00	41.82	291	110	Horizontal
16379.3352	-47.22	-13.00	34.22	164	31	Horizontal

## 7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.7380	-65.15	-13.00	52.15	258	245	Vertical
517.6434	-65.89	-13.00	52.89	296	324	Vertical
996.6533	-57.27	-13.00	44.27	274	352	Vertical
2991.9984	-56.71	-13.00	43.71	159	174	Vertical
14480.2592	-50.98	-13.00	37.98	196	352	Vertical
17999.4000	-46.09	-13.00	33.09	231	352	Vertical
43.6292	-64.19	-13.00	51.19	174	62	Horizontal
241.8101	-68.72	-13.00	55.72	185	314	Horizontal
996.4593	-56.47	-13.00	43.47	196	88	Horizontal
2701.1402	-56.12	-13.00	43.12	321	334	Horizontal
7488.1795	-58.29	-13.00	45.29	262	199	Horizontal
16388.9356	-48.60	-13.00	35.60	261	118	Horizontal

Remark:

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



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

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



- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.





## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-1.80	-0.002539	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-8.00	-0.011283	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-4.20	-0.005924	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-5.00	-0.007042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-4.90	-0.006901	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	1.40	0.001969	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-0.30	-0.000422	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-5.30	-0.007454	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VL	NT	-2.40	-0.003385	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VN	NT	-3.20	-0.004513	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VH	NT	0.90	0.001269	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VL	NT	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VN	NT	2.00	0.002817	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VH	NT	3.80	0.005352	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VL	NT	-2.20	-0.003094	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VN	NT	-4.30	-0.006048	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VH	NT	2.40	0.003376	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	0.60	0.000846	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-5.80	-0.008181	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-6.20	-0.008745	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-0.50	-0.000704	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	2.10	0.002958	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-3.20	-0.004507	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-3.20	-0.004501	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-2.30	-0.003235	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	0.00	0.000000	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-4.50	-0.006347	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-1.40	-0.001975	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-6.30	-0.008886	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-1.10	-0.001551	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-6.00	-0.008463	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-4.00	-0.005642	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-2.10	-0.002962	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-7.40	-0.010437	±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)

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

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

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



Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-3.90	-0.005493	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	3.70	0.005211	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-4.70	-0.006620	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	1.80	0.002535	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-1.30	-0.001831	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.50	0.002113	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-3.50	-0.004923	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	1.60	0.002250	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	2.30	0.003235	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	0.30	0.000422	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	2.20	0.003094	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-1.50	-0.002110	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	2.70	0.003797	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	0	-0.40	-0.000564	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	10	0.60	0.000846	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	20	-5.80	-0.008181	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	30	-6.50	-0.009168	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	40	-5.70	-0.008039	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	50	-6.40	-0.009027	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-30	-4.20	-0.005915	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-20	-1.40	-0.001972	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	0	0.10	0.000141	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	10	1.70	0.002394	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	20	3.20	0.004507	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	30	2.40	0.003380	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	40	-1.20	-0.001690	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	50	-1.00	-0.001408	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-30	-0.20	-0.000281	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-20	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	0	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	10	-4.70	-0.006610	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	20	-4.00	-0.005626	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	30	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	40	-0.80	-0.001125	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	50	1.00	0.001406	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-1.10	-0.001551	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-1.30	-0.001834	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-1.30	-0.001834	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-1.50	-0.002116	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-1.70	-0.002398	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-2.30	-0.003244	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-0.50	-0.000705	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-4.20	-0.005924	±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)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-4.20	-0.005915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-6.20	-0.008732	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	1.60	0.002254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.10	-0.004366	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-0.40	-0.000563	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	1.90	0.002676	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-8.10	-0.011408	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	1.80	0.002535	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-0.30	-0.000422	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-0.60	-0.000844	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-0.40	-0.000563	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-2.60	-0.003657	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-0.70	-0.000985	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-1.00	-0.001406	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-2.70	-0.003797	±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-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch (26012053) CCC Laboratory

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