



Appendix for KSCR2207001267AT-FCC-LTE- Peak-Average Ratio

1. Peak-Average Ratio

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	6.69	<=13	Pass
	1880	6	0	6.76	<=13	Pass
	1909.3	6	0	6.81	<=13	Pass
16QAM	1850.7	6	0	6.69	<=13	Pass
	1880	6	0	6.76	<=13	Pass
	1909.3	6	0	6.80	<=13	Pass
64QAM	1850.7	6	0	6.70	<=13	Pass
	1880	6	0	6.76	<=13	Pass
	1909.3	6	0	6.80	<=13	Pass
256QAM	1850.7	6	0	6.83	<=13	Pass
	1880	6	0	7.01	<=13	Pass
	1909.3	6	0	6.99	<=13	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 herein 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 ensure the authenticity of testing notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

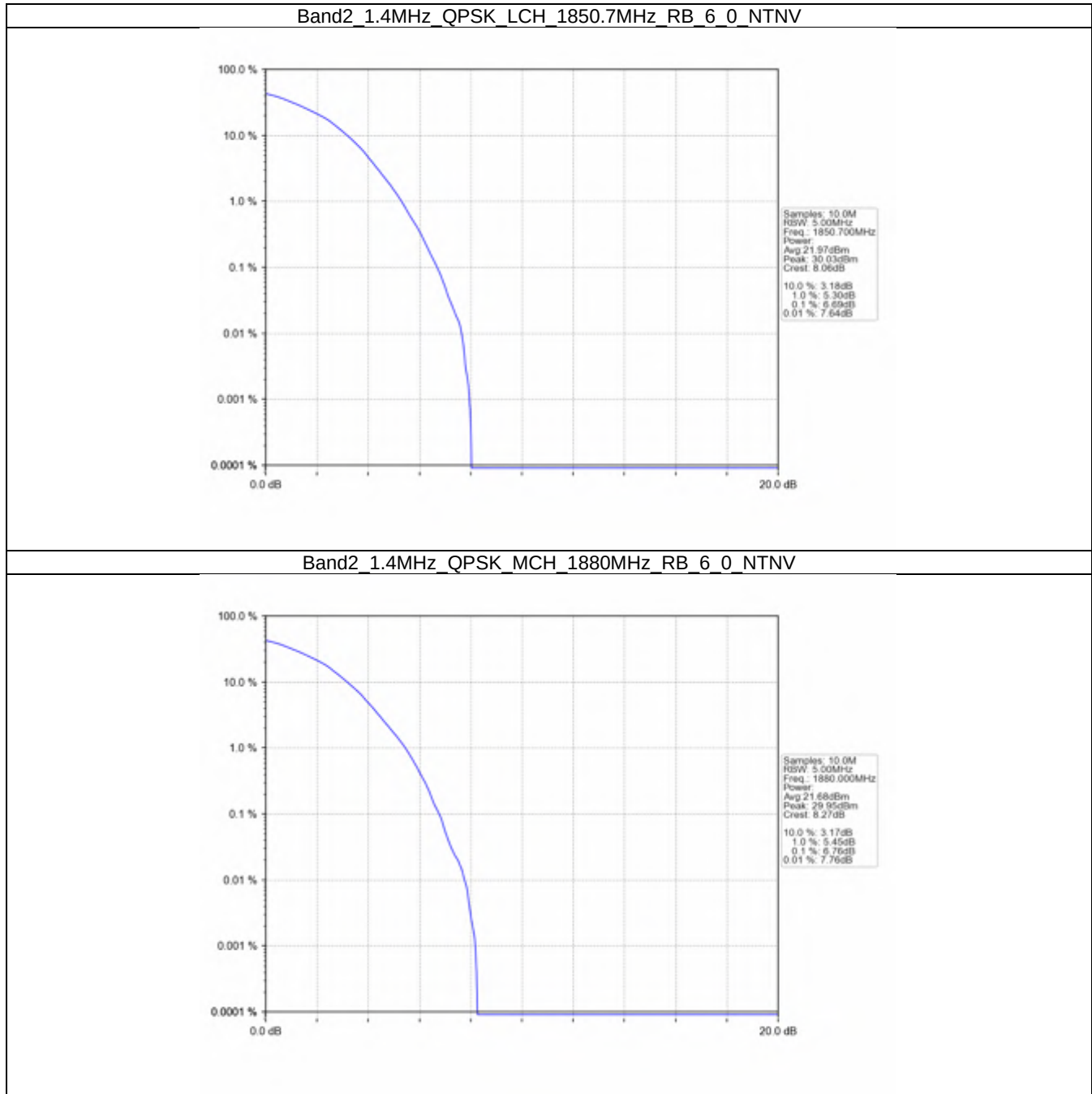
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

1.1.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

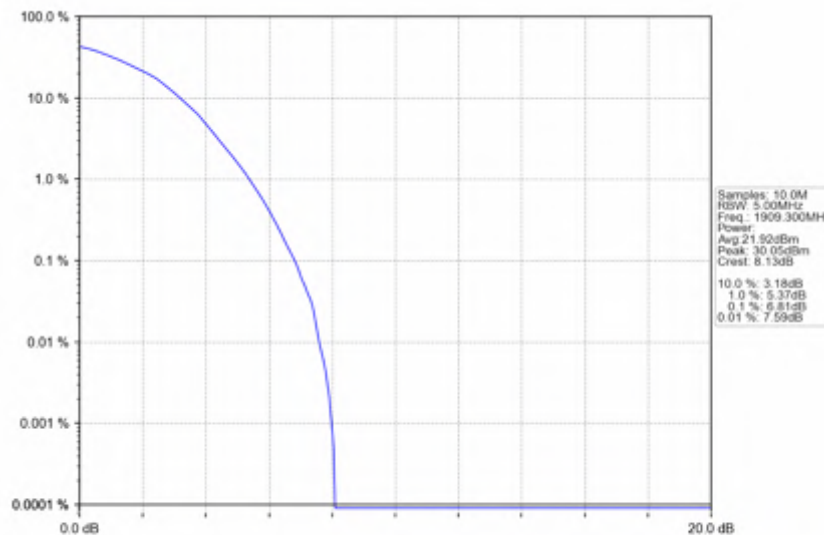
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

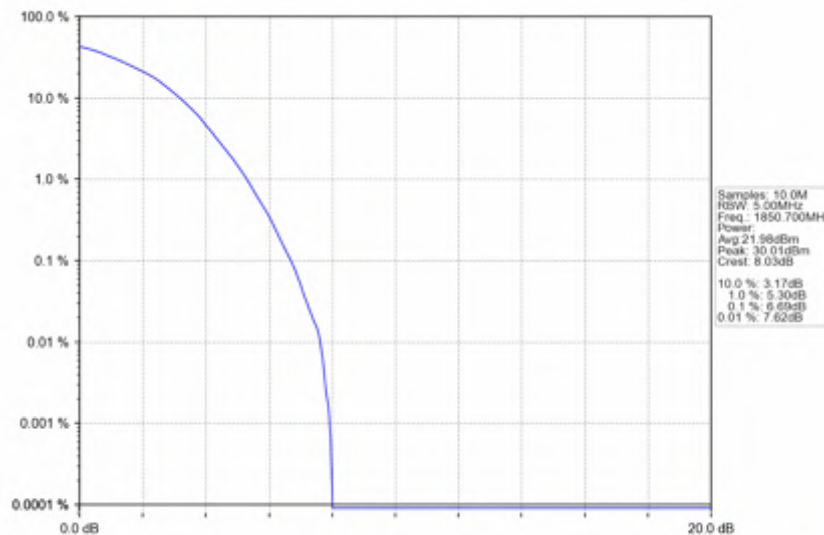
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

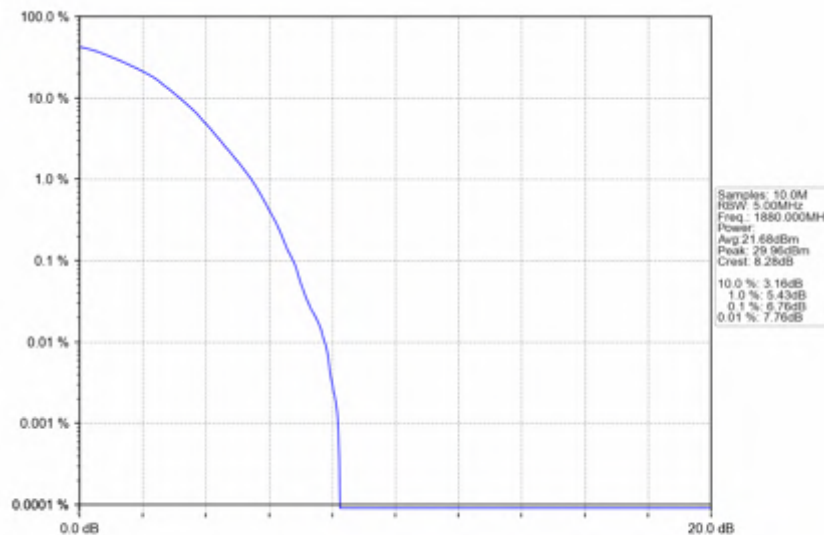
(86-512) 57355888

(86-512) 57370011

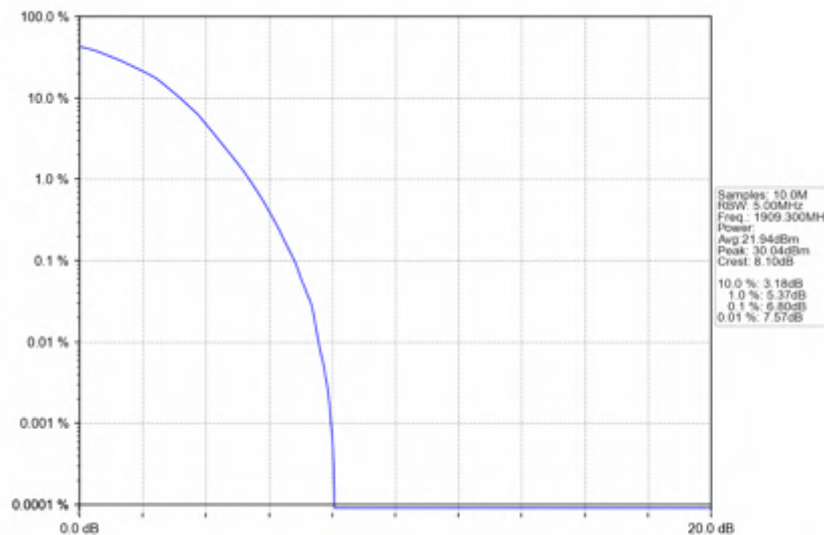
www.sgs.com.cn

sgs.china@sgs.com

Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

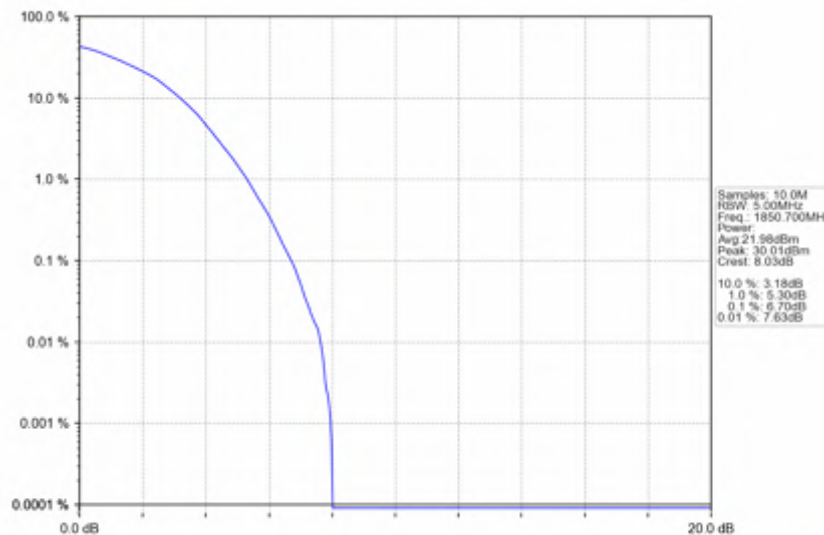
(86-512) 57355888

(86-512) 57370011

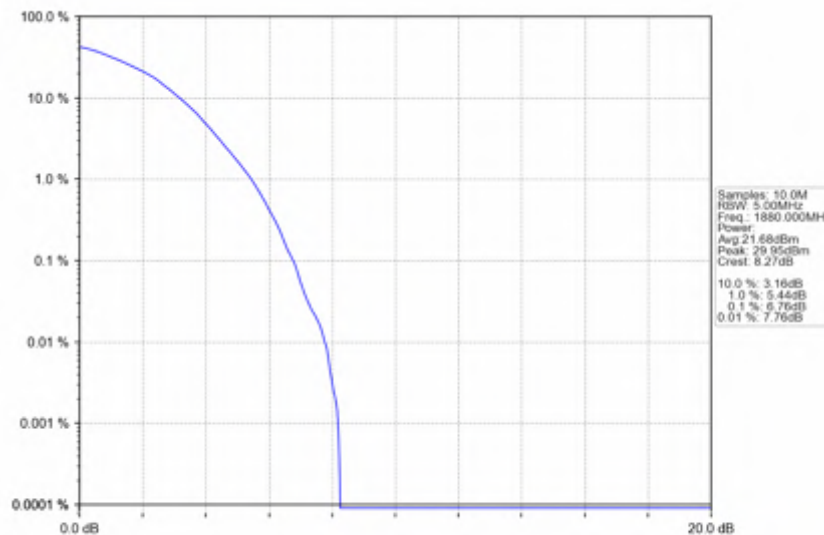
www.sgs.com.cn

sgs.china@sgs.com

Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV

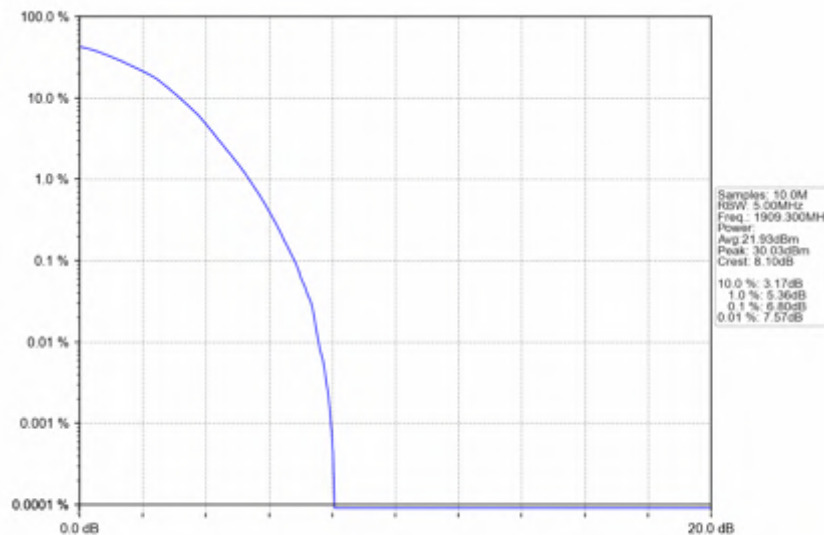


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report & certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

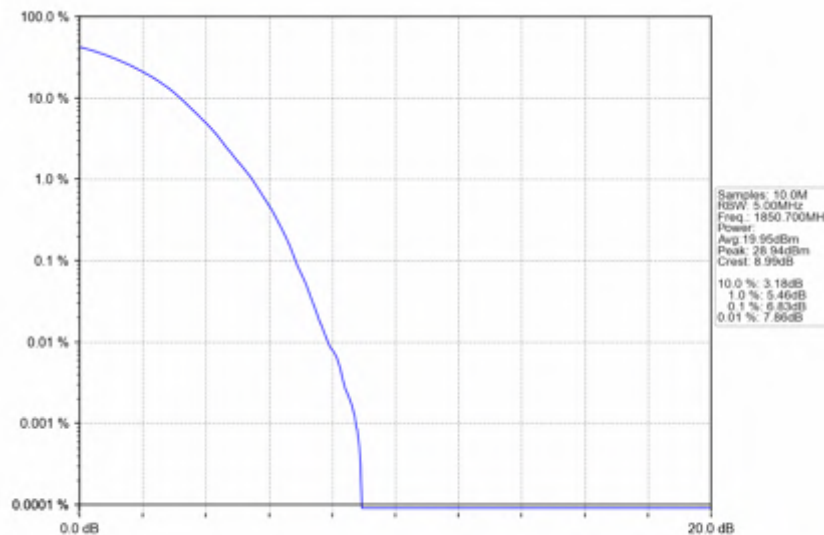
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_6_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

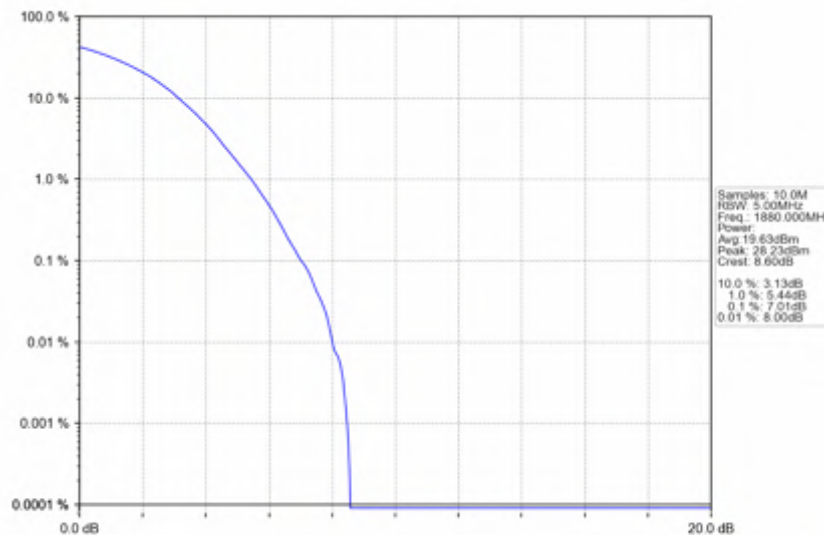
(86-512) 57355888

(86-512) 57370011

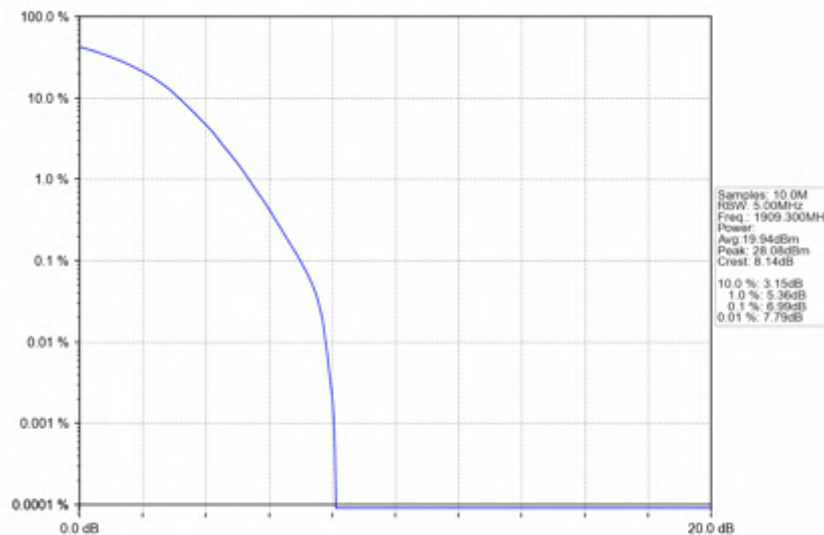
www.sgs.com.cn

sgs.china@sgs.com

Band2_1.4MHz_256QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_6_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	6.82	<=13	Pass
	1880	15	0	6.80	<=13	Pass
	1908.5	15	0	6.84	<=13	Pass
16QAM	1851.5	15	0	6.83	<=13	Pass
	1880	15	0	6.79	<=13	Pass
	1908.5	15	0	6.84	<=13	Pass
64QAM	1851.5	15	0	6.82	<=13	Pass
	1880	15	0	6.80	<=13	Pass
	1908.5	15	0	6.83	<=13	Pass
256QAM	1851.5	15	0	7.03	<=13	Pass
	1880	15	0	6.93	<=13	Pass
	1908.5	15	0	7.00	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

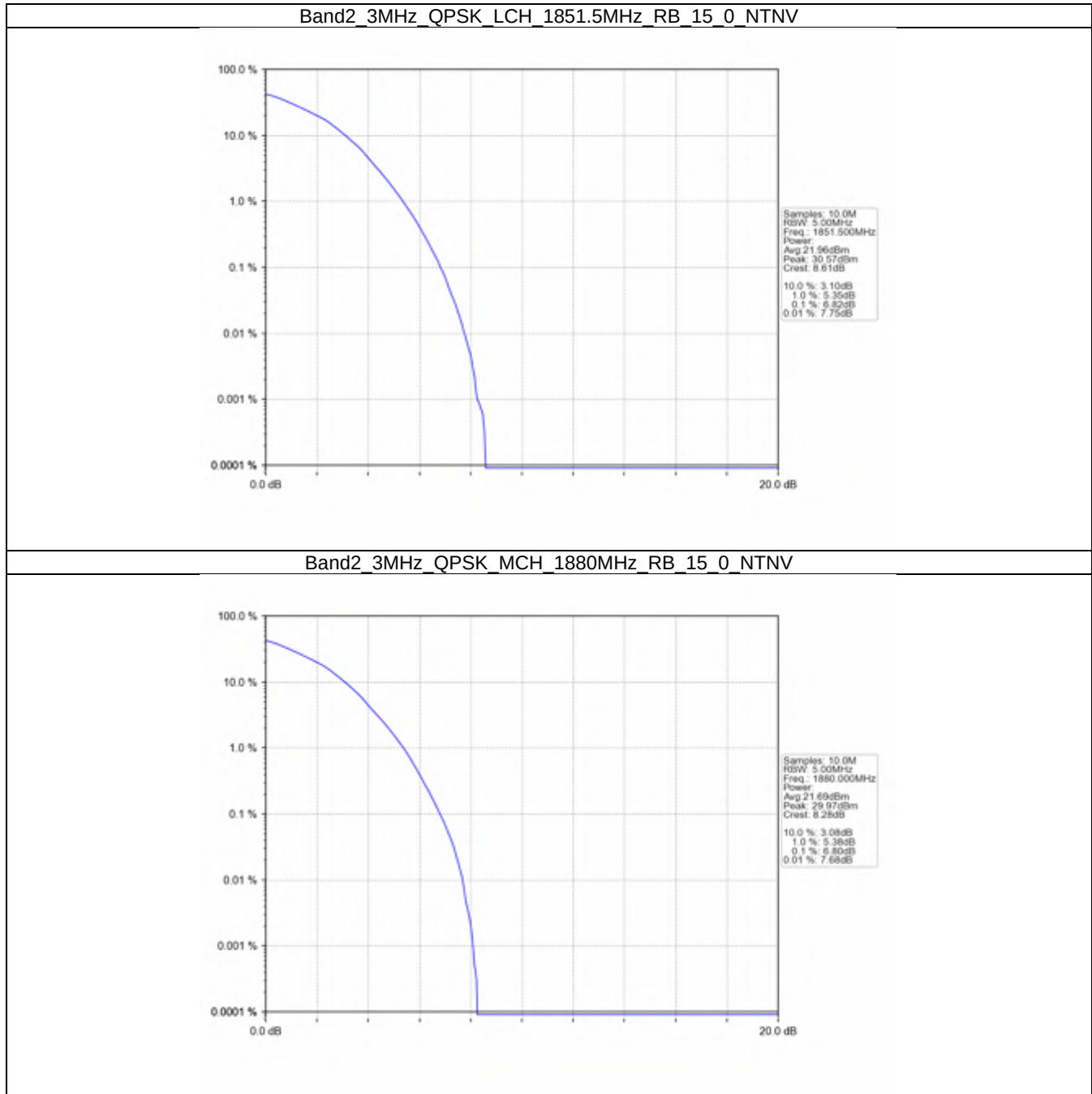
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

1.2.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57350888

(86-512) 57370011

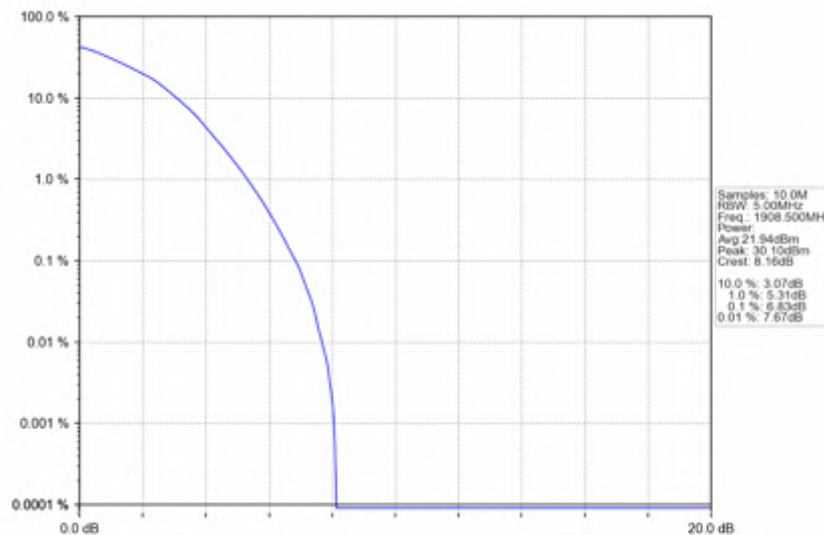
www.sgs.com.cn

(86-512) 57350888

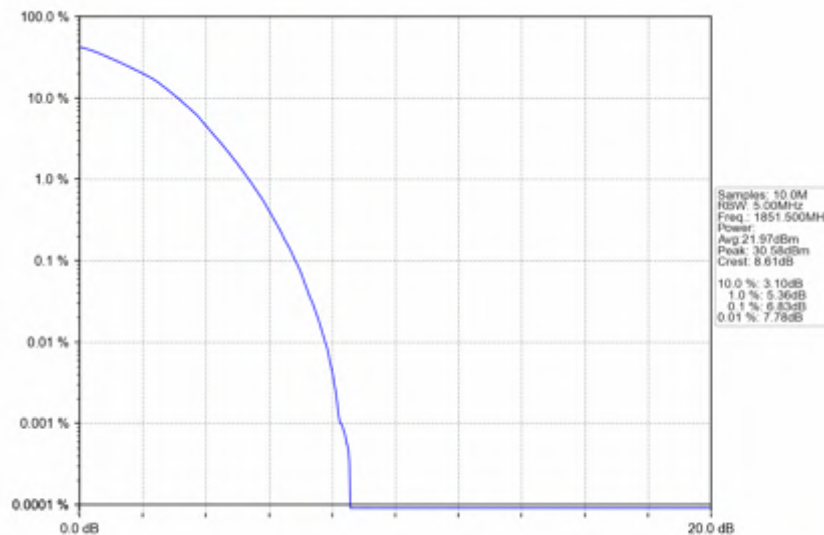
(86-512) 57370011

sgs.china@sgs.com

Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

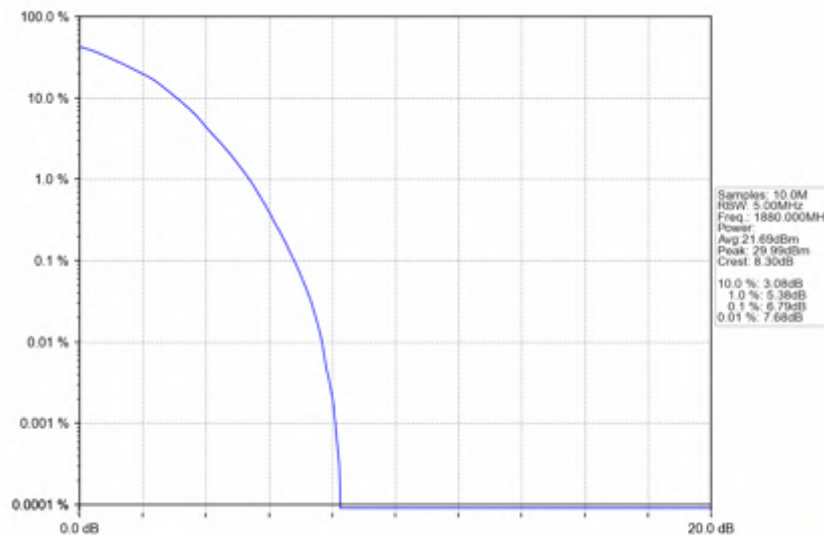


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

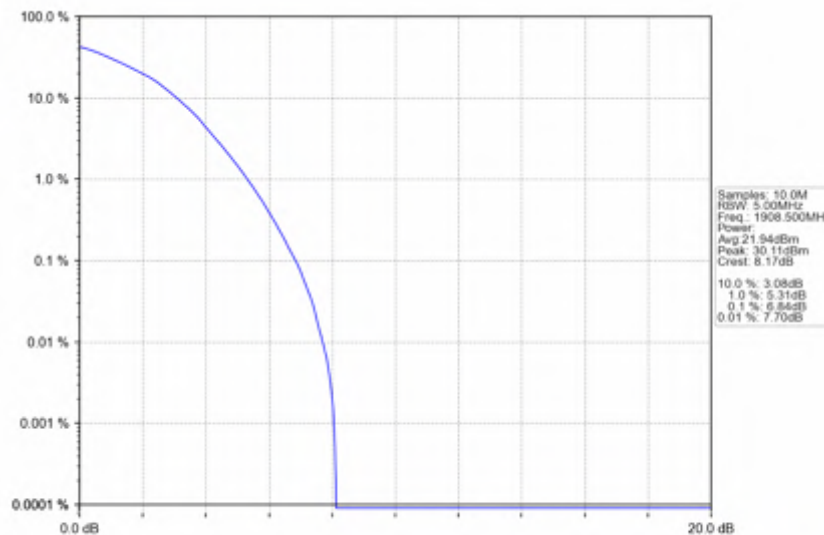
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



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 herein 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 report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57350888

(86-512) 57370011

(86-512) 57350888

(86-512) 57370011

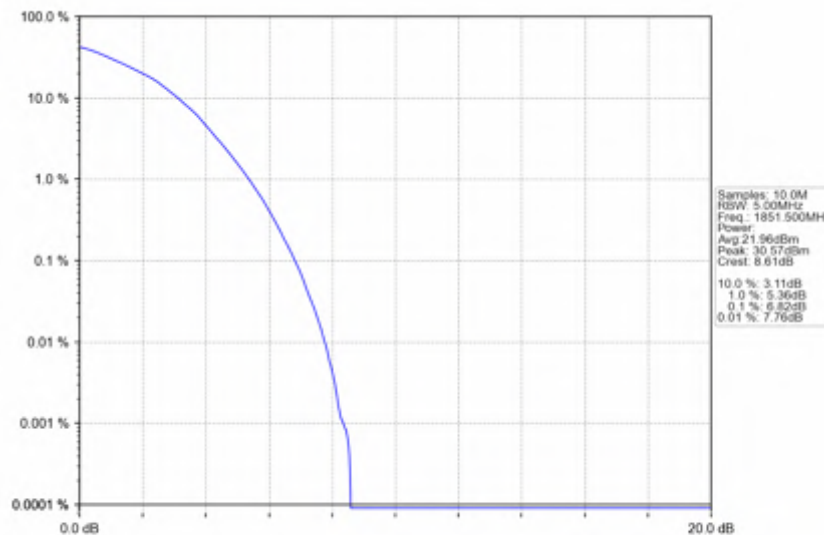
www.sgs.com.cn

sgs.china@sgs.com

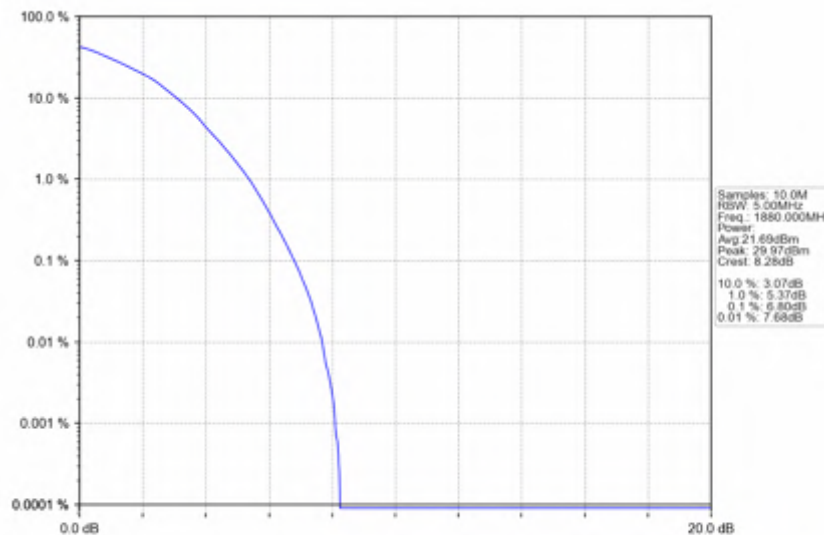
www.sgs.com.cn

sgs.china@sgs.com

Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV

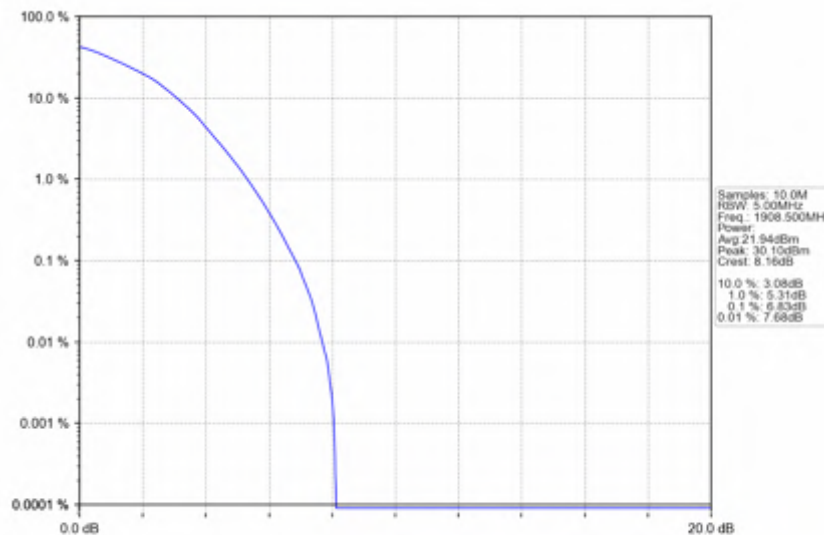


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

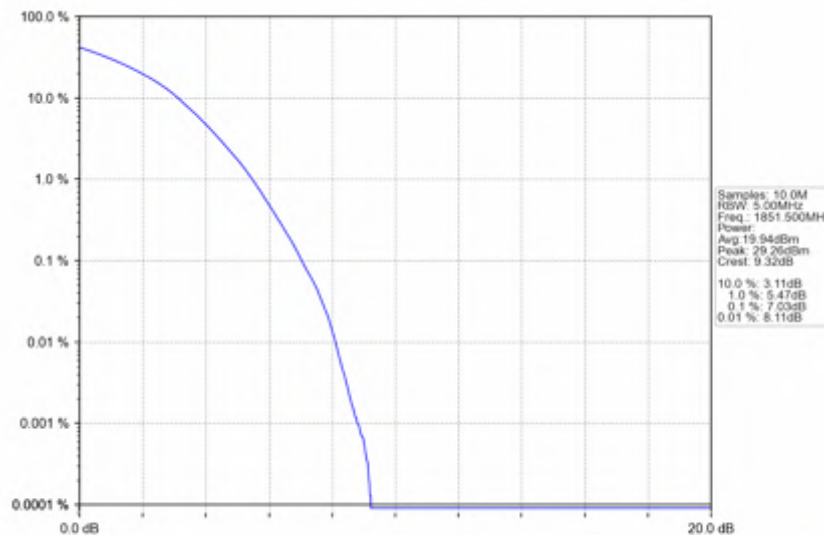
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band2_3MHz_64QAM_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Official@sgs.com

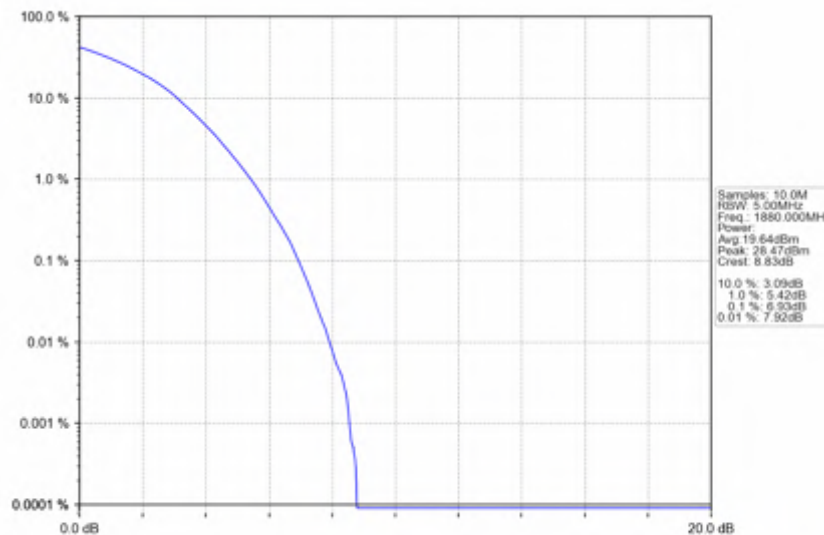
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

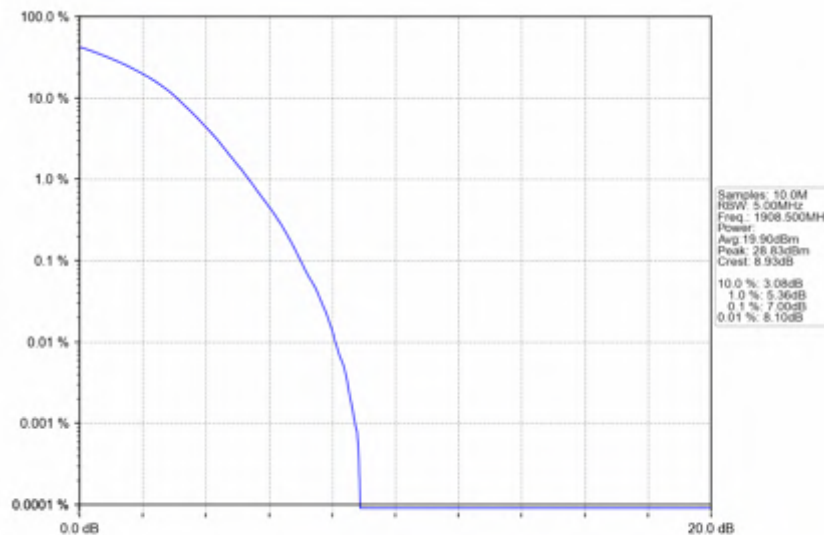
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_3MHz_256QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_HCH_1908.5MHz_RB_15_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com.

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	6.71	<=13	Pass
	1880	25	0	6.72	<=13	Pass
	1907.5	25	0	6.69	<=13	Pass
16QAM	1852.5	25	0	6.72	<=13	Pass
	1880	25	0	6.72	<=13	Pass
	1907.5	25	0	6.69	<=13	Pass
64QAM	1852.5	25	0	6.73	<=13	Pass
	1880	25	0	6.72	<=13	Pass
	1907.5	25	0	6.68	<=13	Pass
256QAM	1852.5	25	0	6.86	<=13	Pass
	1880	25	0	6.98	<=13	Pass
	1907.5	25	0	6.89	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

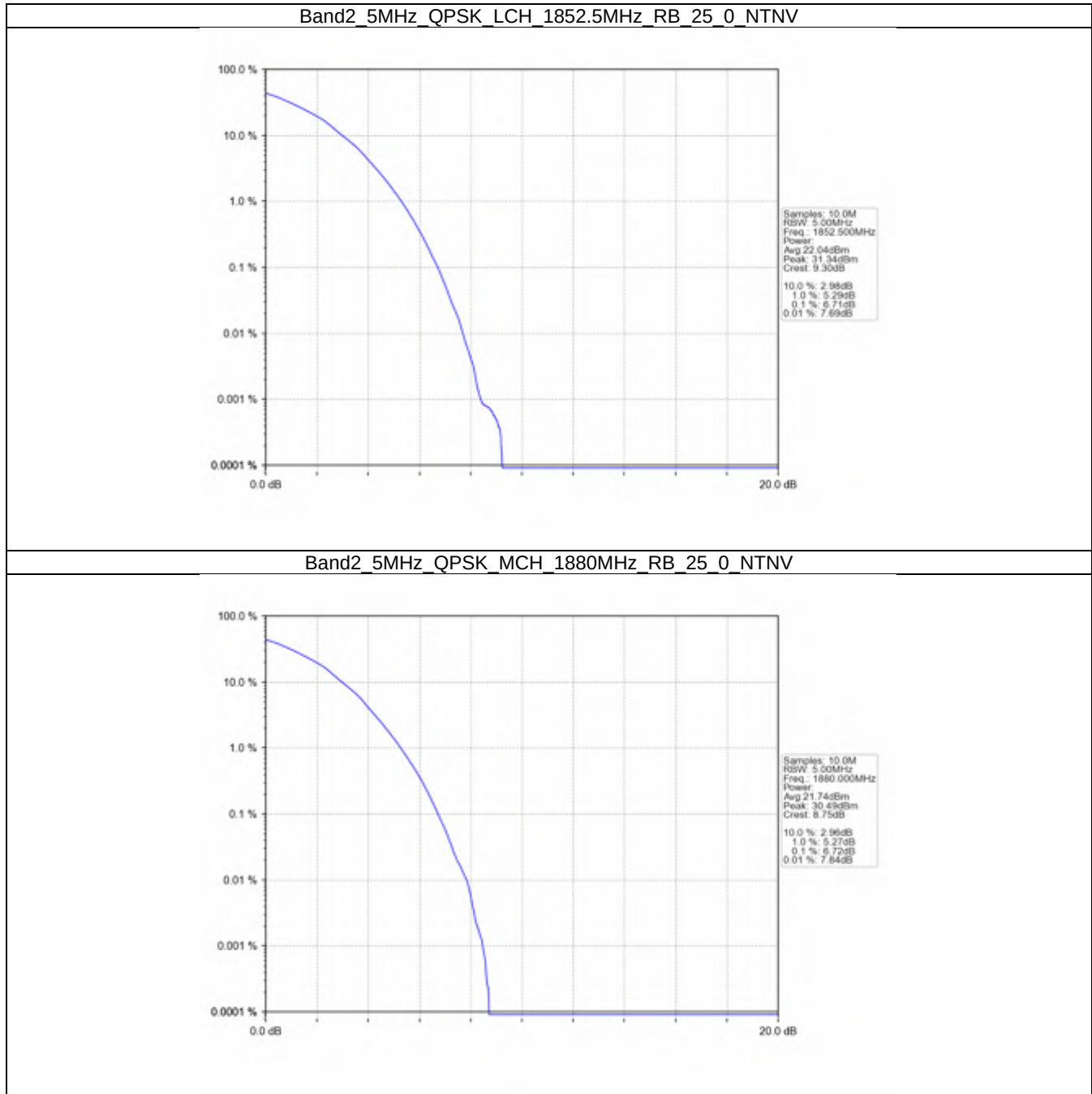
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgsgroup.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

1.3.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

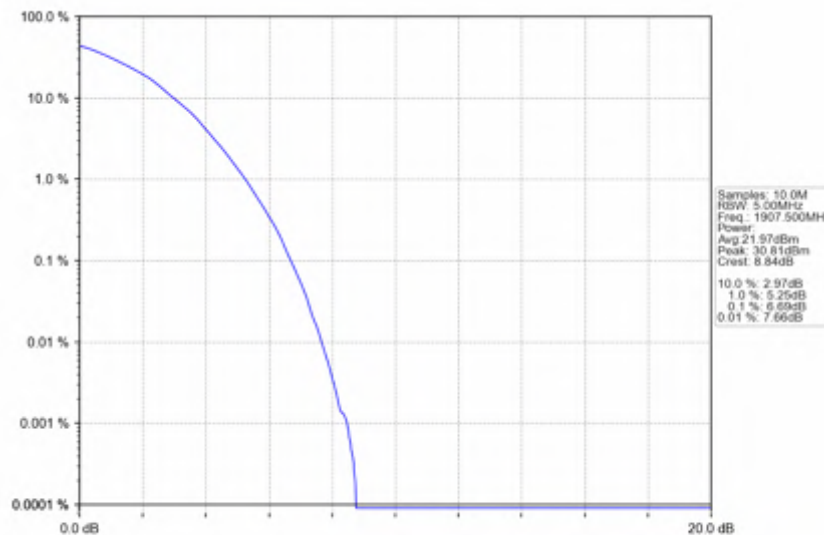
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

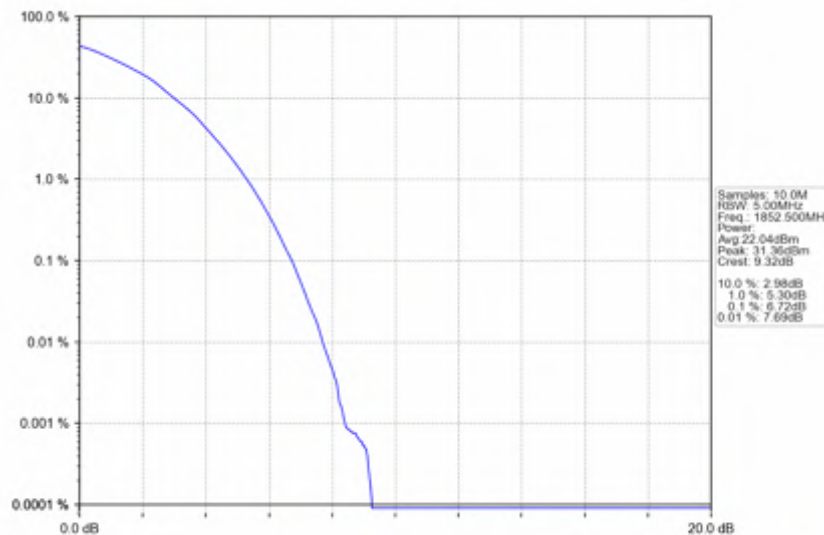
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

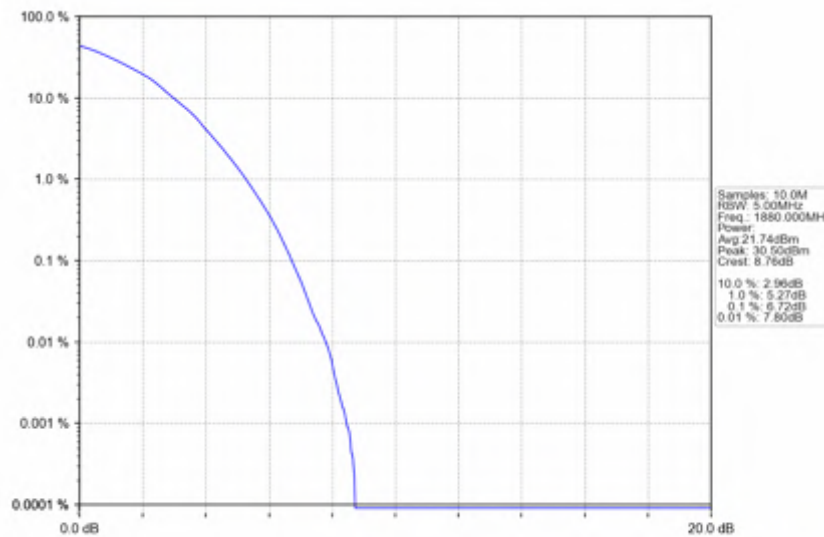


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report & certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Official@sgs.com

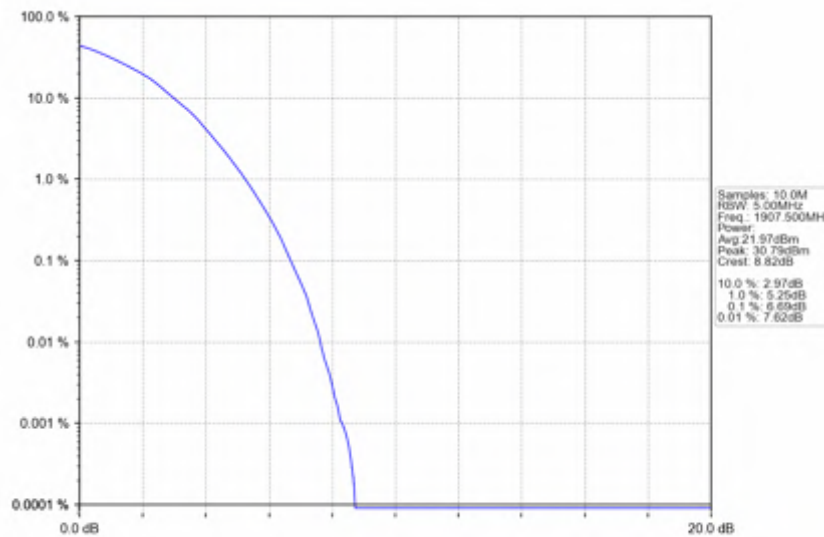
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



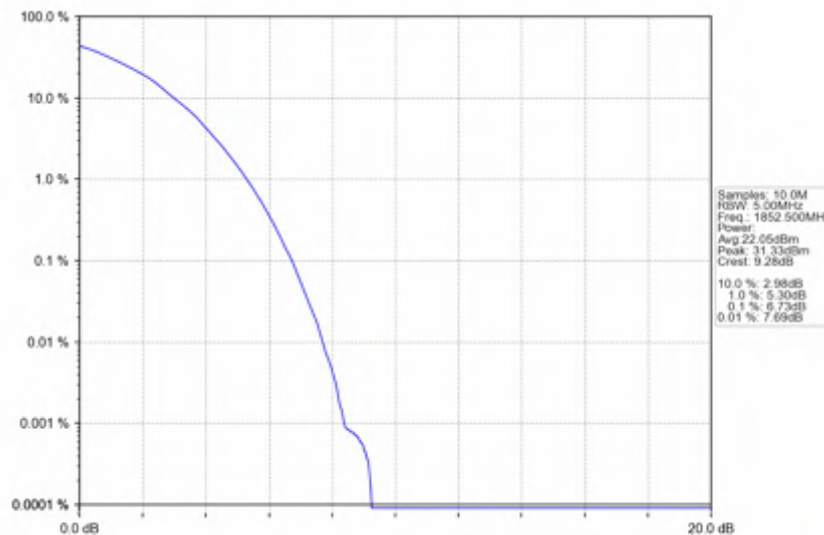
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Official@sgs.com

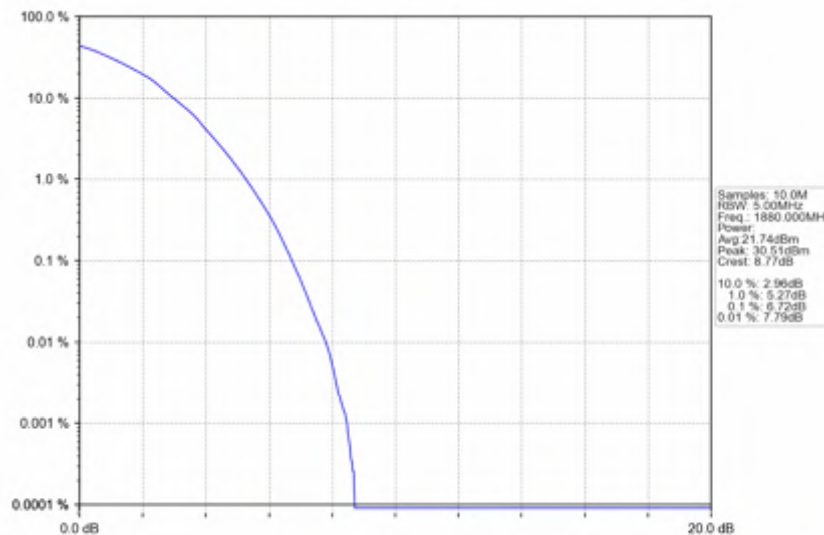
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_64QAM_MCH_1880MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

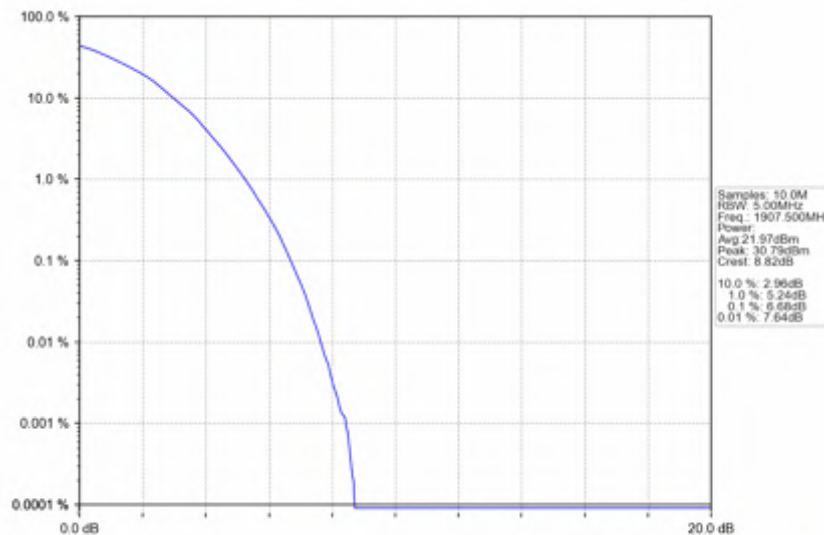
(86-512) 57350888

(86-512) 57370011

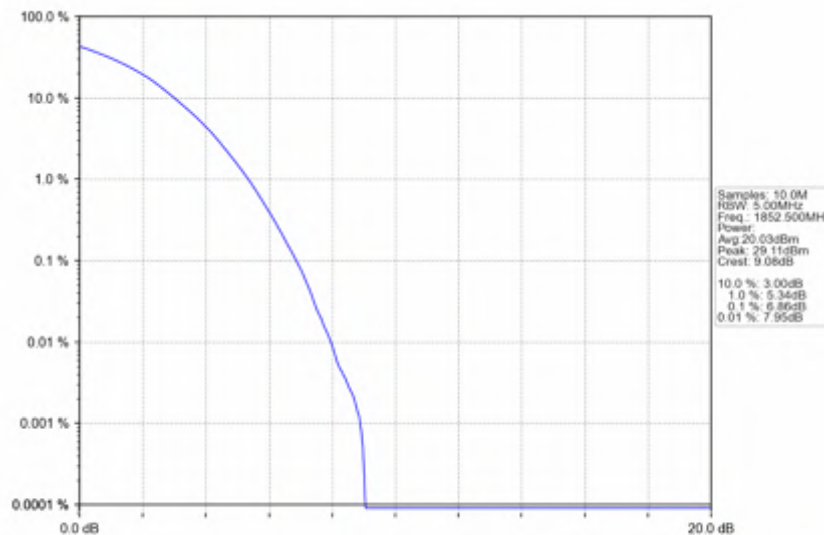
www.sgs.com.cn

sgs.china@sgs.com

Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_256QAM_LCH_1852.5MHz_RB_25_0_NTNV

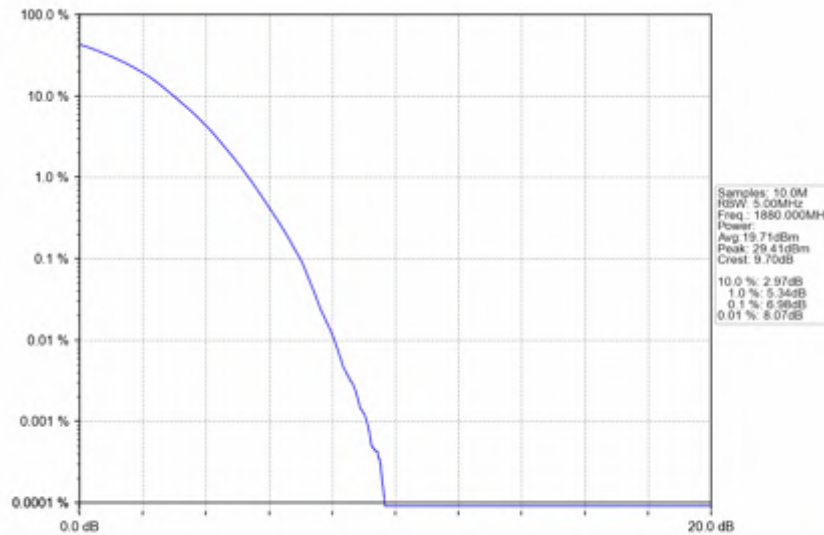


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

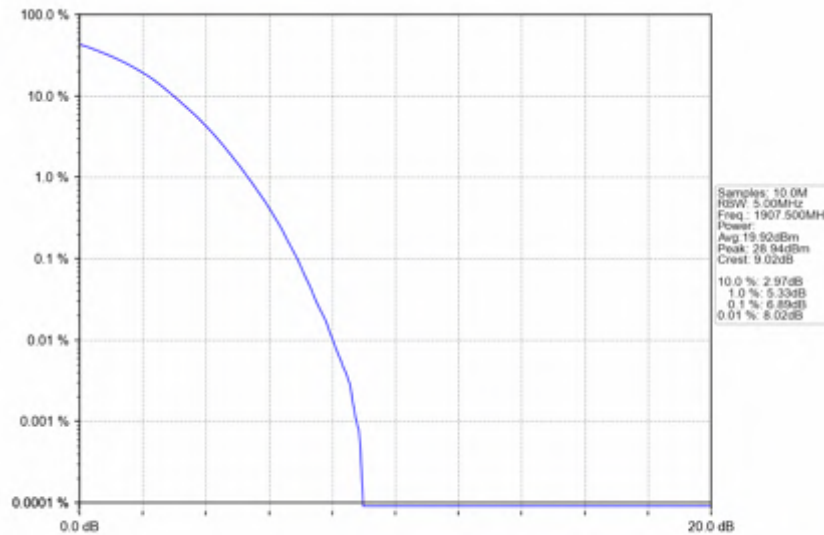
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_5MHz_256QAM_MCH_1880MHz_RB_25_0_NTNV



Band2_5MHz_256QAM_HCH_1907.5MHz_RB_25_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com



1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	7.06	<=13	Pass
	1880	50	0	7.02	<=13	Pass
	1905	50	0	7.00	<=13	Pass
16QAM	1855	50	0	7.05	<=13	Pass
	1880	50	0	7.02	<=13	Pass
	1905	50	0	7.00	<=13	Pass
64QAM	1855	50	0	7.05	<=13	Pass
	1880	50	0	7.03	<=13	Pass
	1905	50	0	7.00	<=13	Pass
256QAM	1855	50	0	7.10	<=13	Pass
	1880	50	0	7.06	<=13	Pass
	1905	50	0	7.07	<=13	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 herein 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 ensure the authenticity of testing, inspection report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

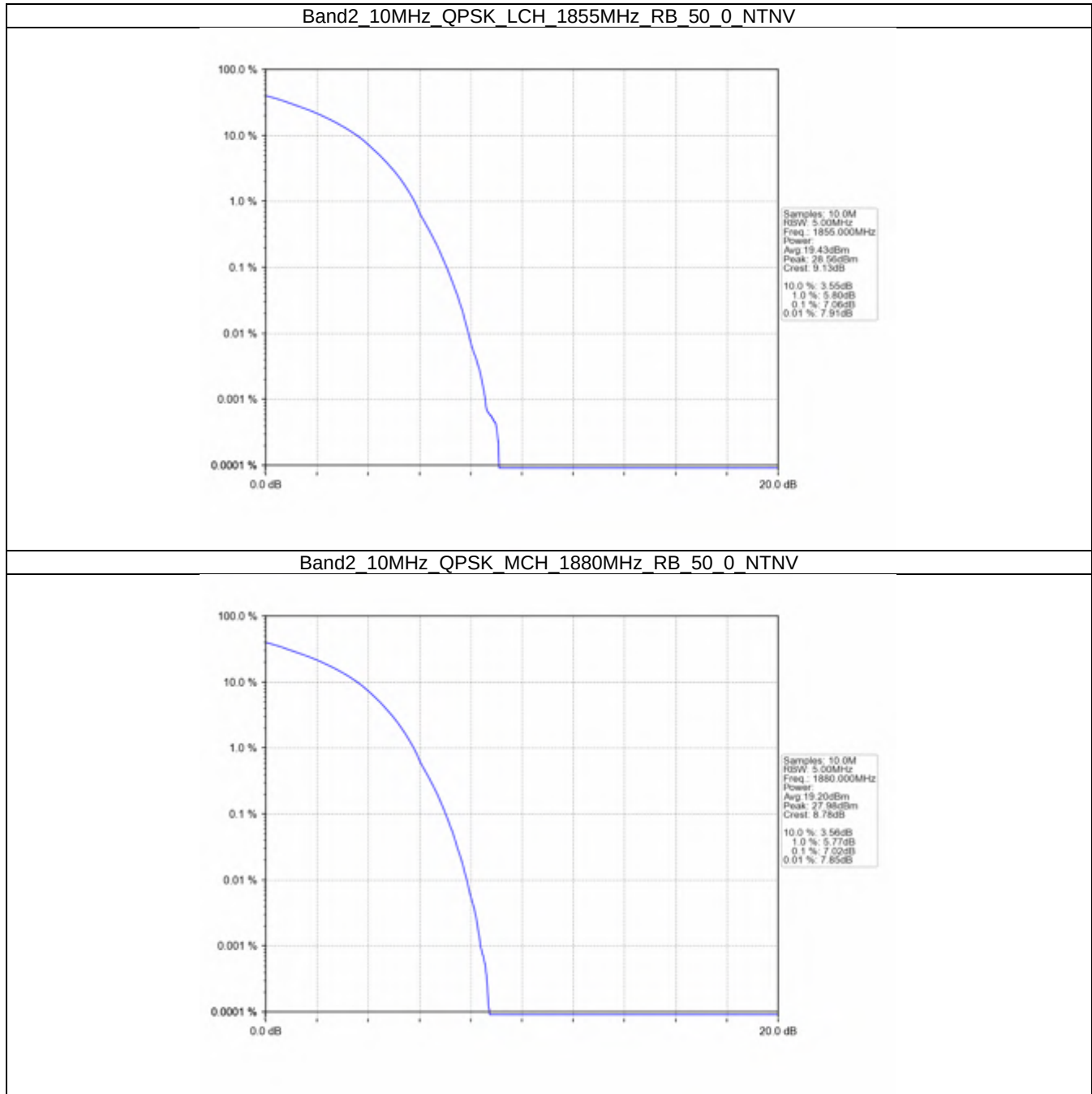
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

1.4.2 Test Graph

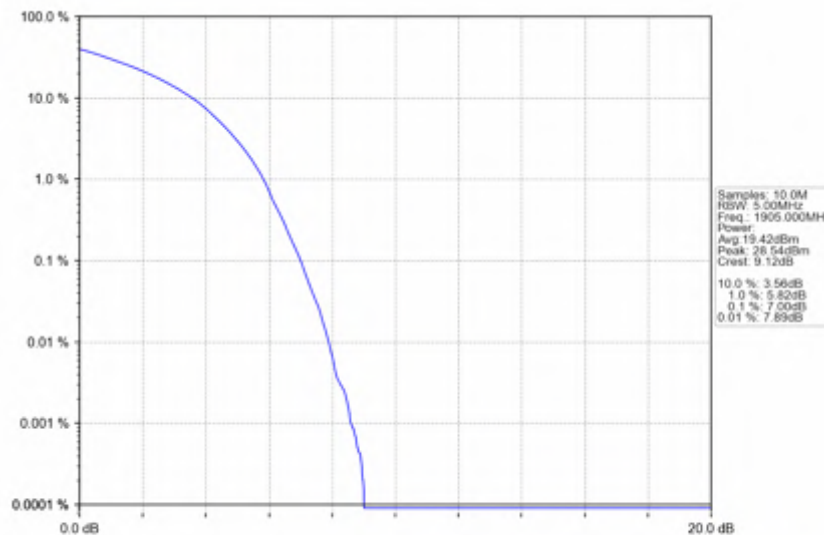


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

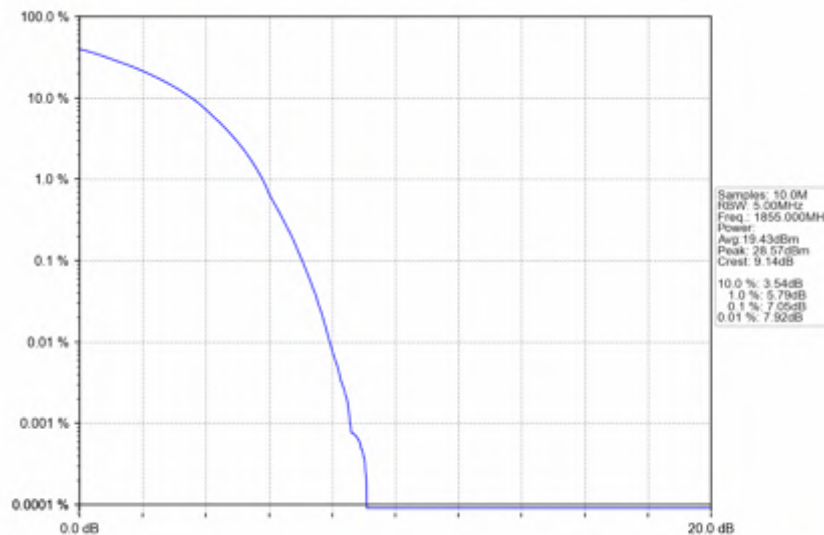
Attention: To check the authenticity of testing report and certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com.

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 (86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV

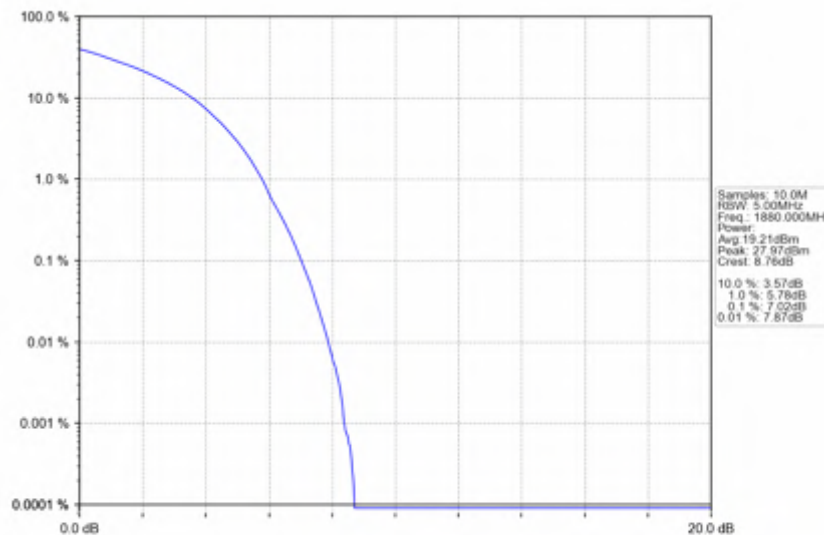


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

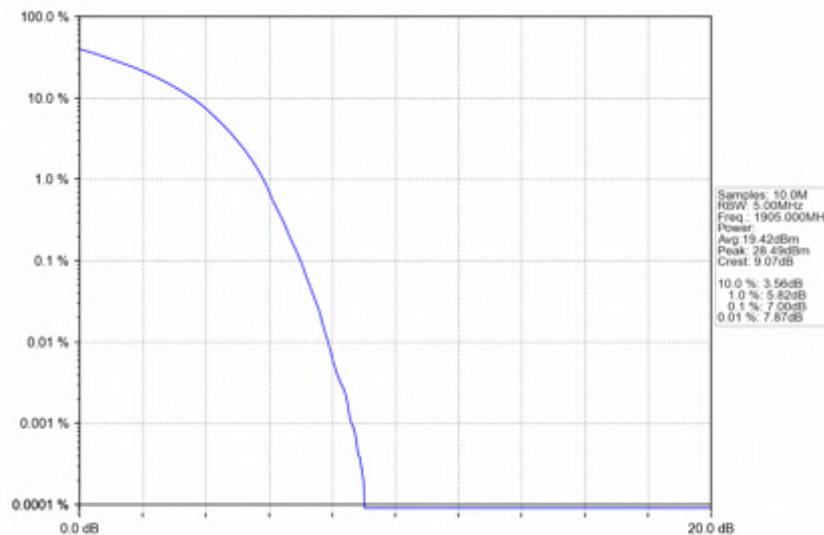
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

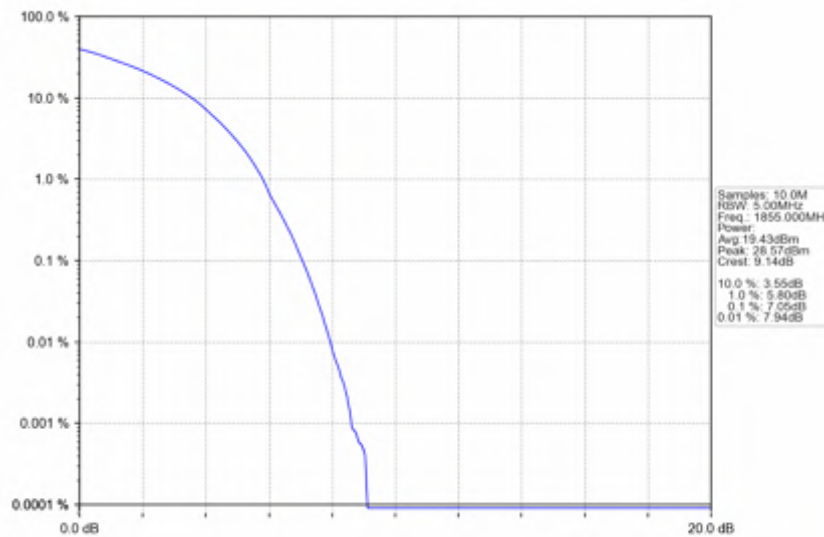
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

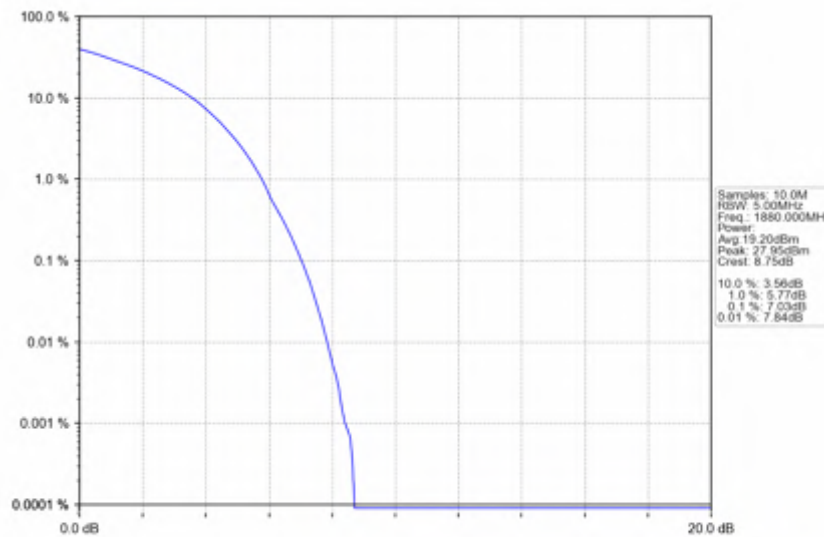
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band2_10MHz_64QAM_MCH_1880MHz_RB_50_0_NTNV



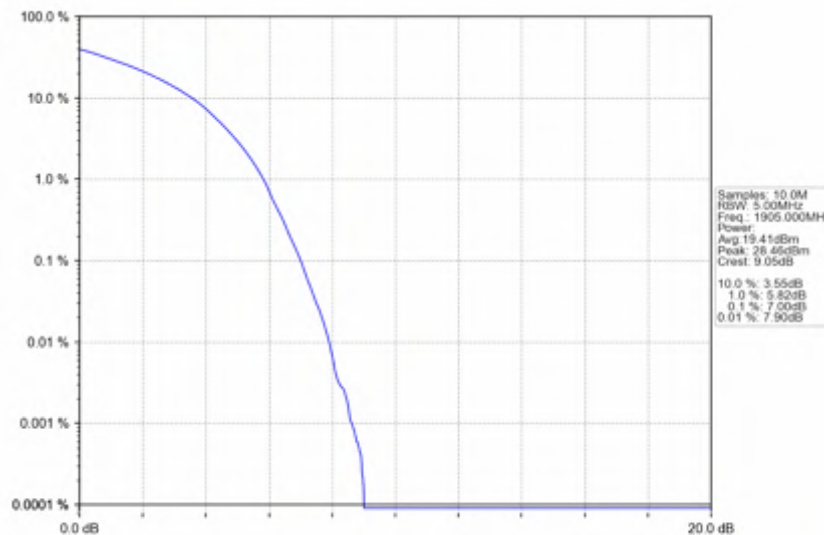
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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: (86-512)99771111 or email: CH-Check@sgs.com

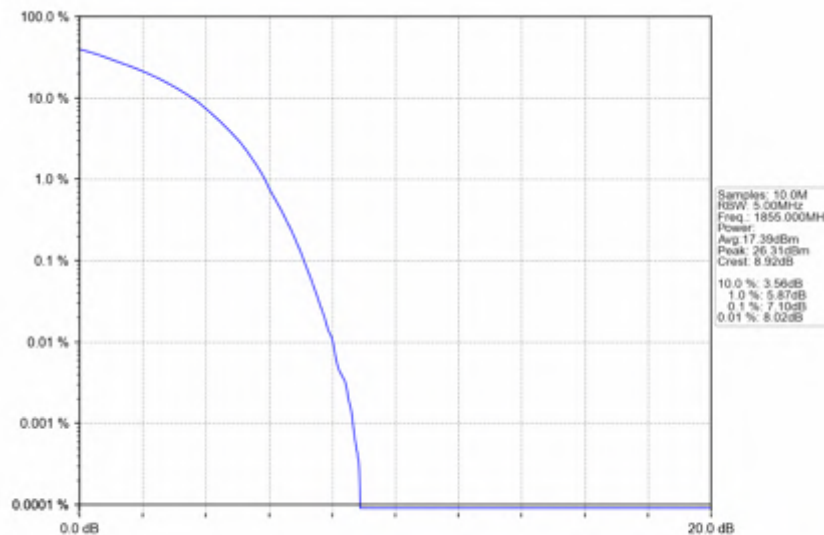
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路10号 邮编 215300

(86-512)57356888 (86-512)57370111 www.sgs.com.cn
 (86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band2_10MHz_64QAM_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_LCH_1855MHz_RB_50_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888

(86-512) 57370011

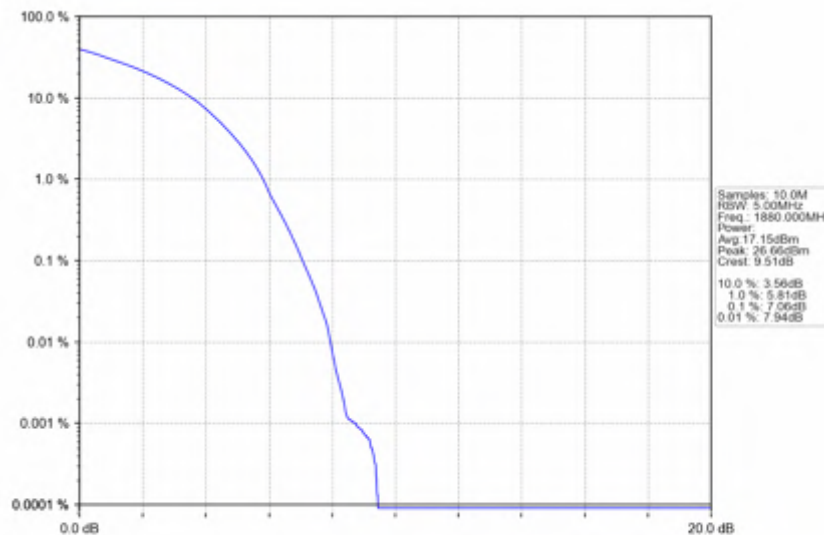
(86-512) 57355888

(86-512) 57370011

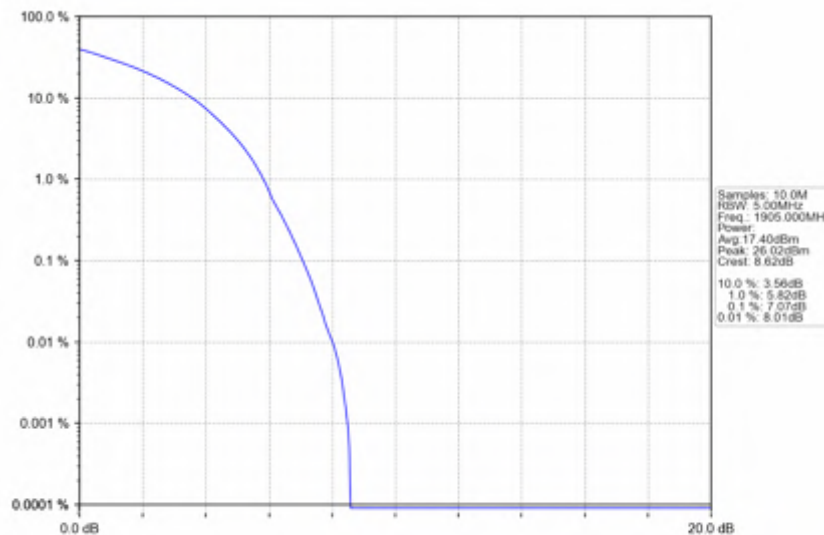
www.sgs.com.cn

sgs.china@sgs.com

Band2_10MHz_256QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_HCH_1905MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	7.48	<=13	Pass
	1880	75	0	7.36	<=13	Pass
	1902.5	75	0	7.39	<=13	Pass
16QAM	1857.5	75	0	7.48	<=13	Pass
	1880	75	0	7.37	<=13	Pass
	1902.5	75	0	7.39	<=13	Pass
64QAM	1857.5	75	0	7.48	<=13	Pass
	1880	75	0	7.37	<=13	Pass
	1902.5	75	0	7.39	<=13	Pass
256QAM	1857.5	75	0	7.41	<=13	Pass
	1880	75	0	7.47	<=13	Pass
	1902.5	75	0	7.42	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

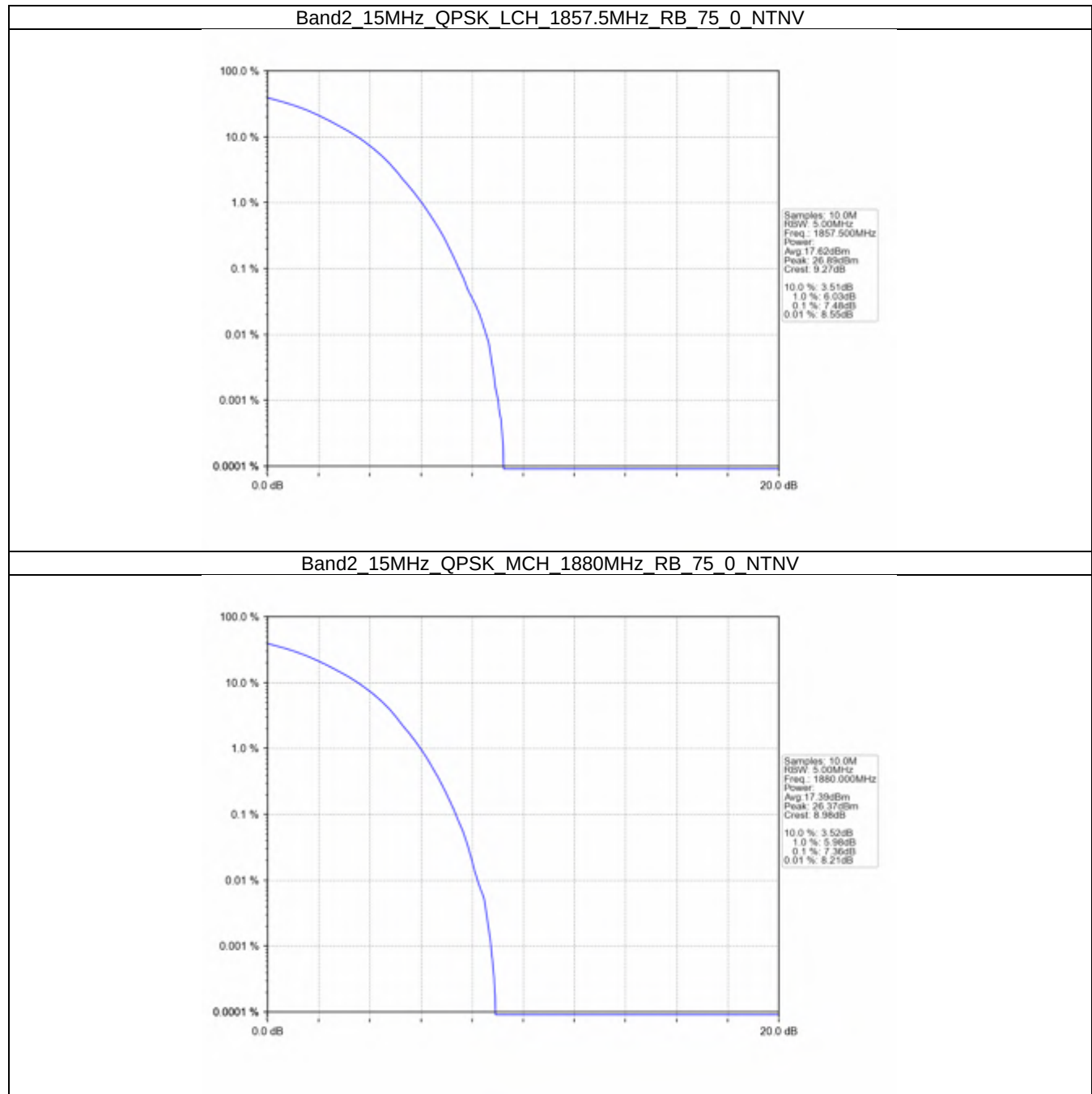
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

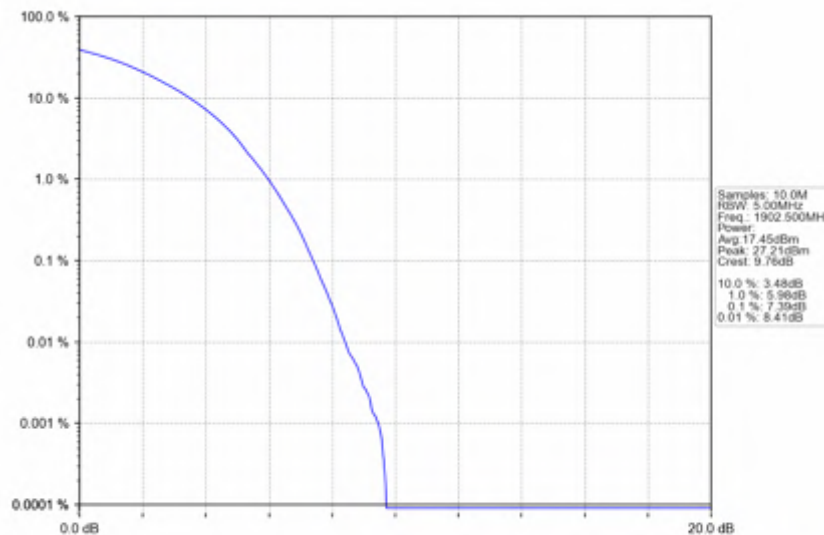
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

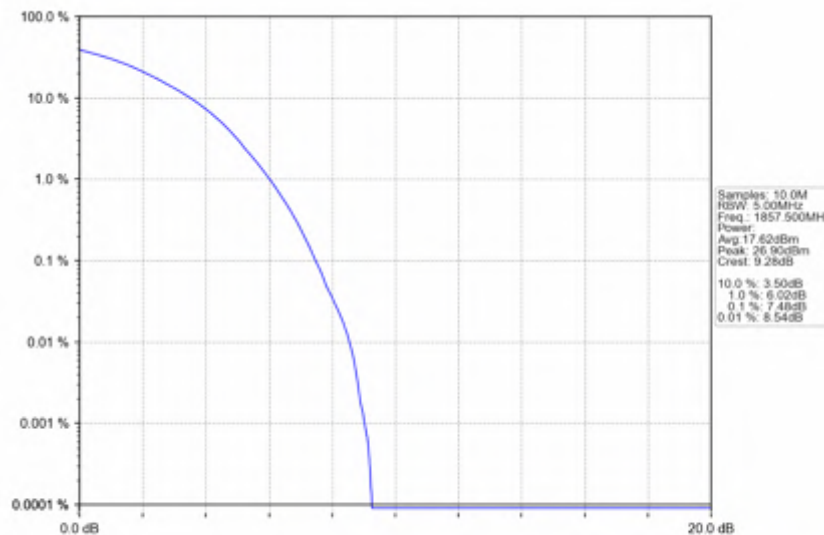
1.5.2 Test Graph



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Overseas@sgs.com

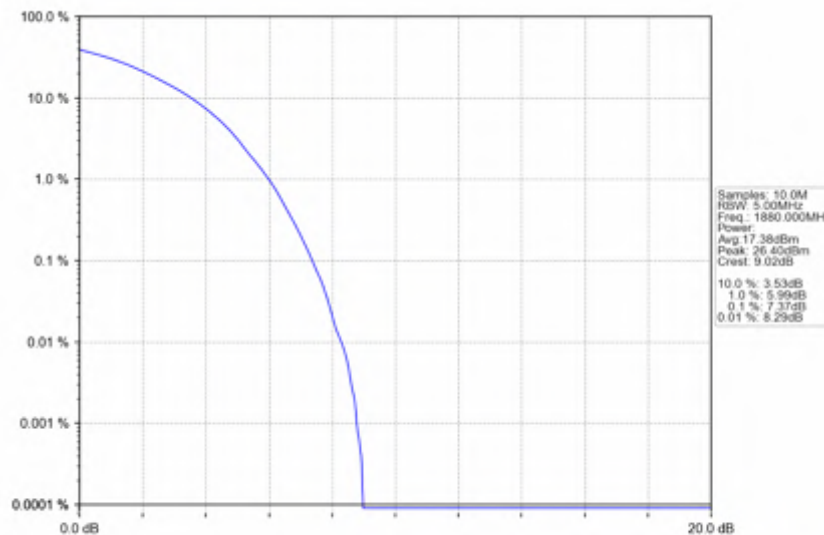
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

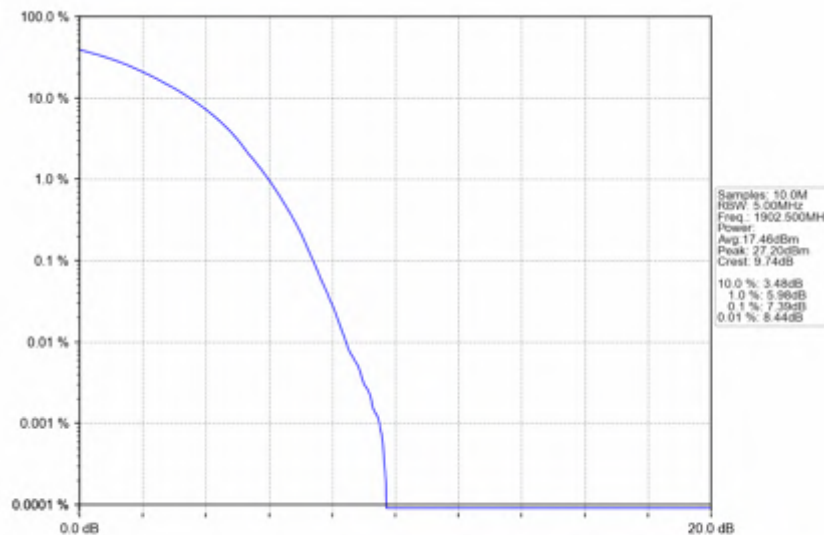
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



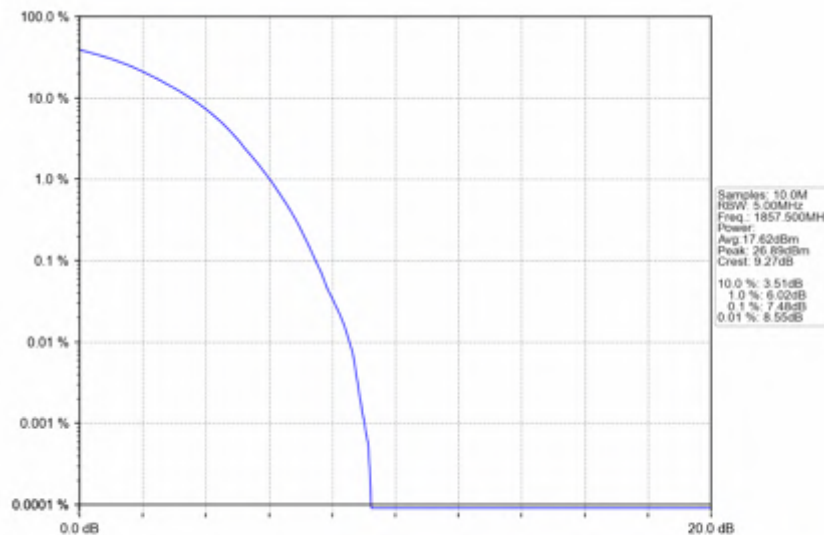
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 & certificates, please contact us at telephone: (86-512)99771001 or email: CH.Official@sgs.com

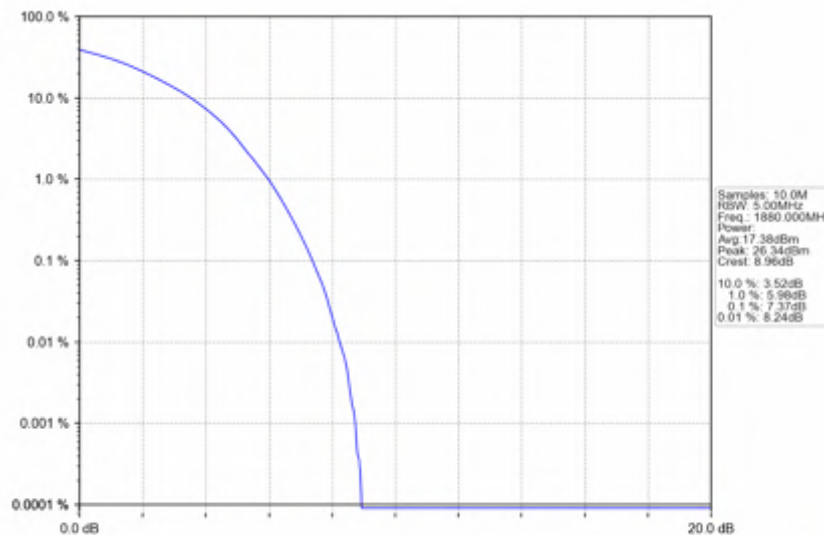
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512)57356888 (86-512)57370011 www.sgs.com.cn
(86-512)57356888 (86-512)57370011 sgs.china@sgs.com

Band2_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band2_15MHz_64QAM_MCH_1880MHz_RB_75_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

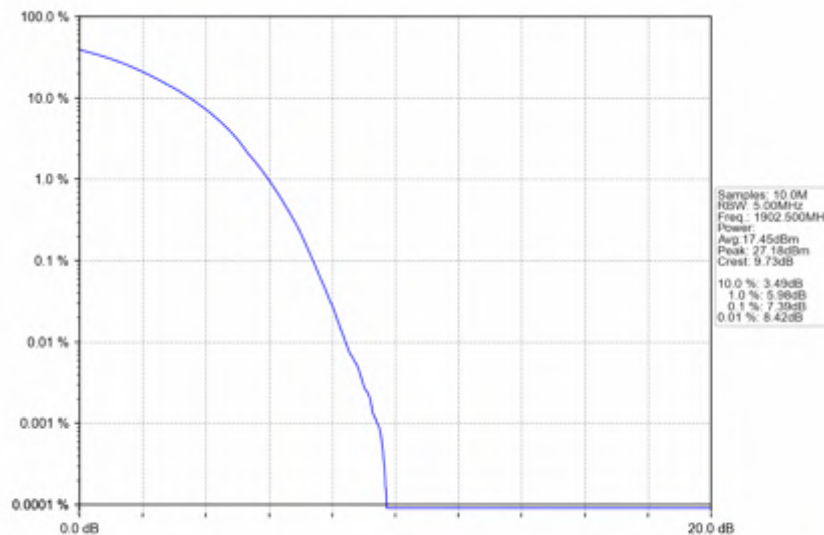
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

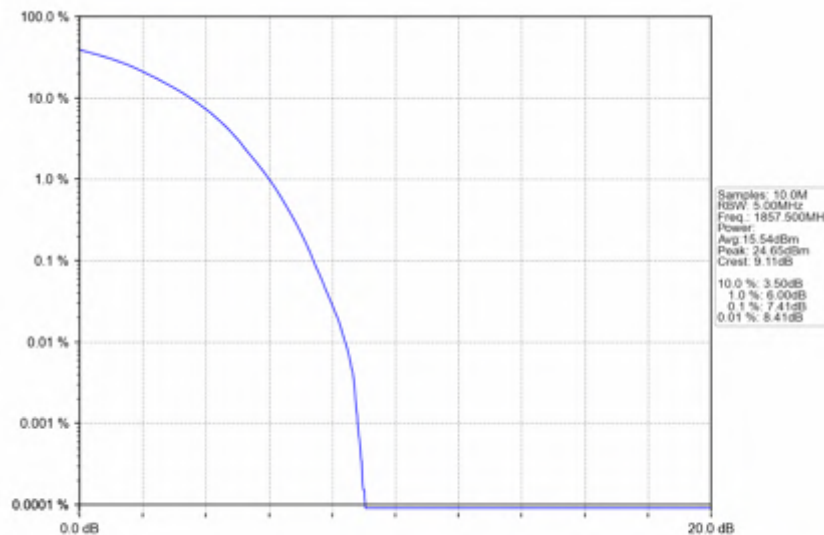
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_15MHz_64QAM_HCH_1902.5MHz_RB_75_0_NTNV



Band2_15MHz_256QAM_LCH_1857.5MHz_RB_75_0_NTNV

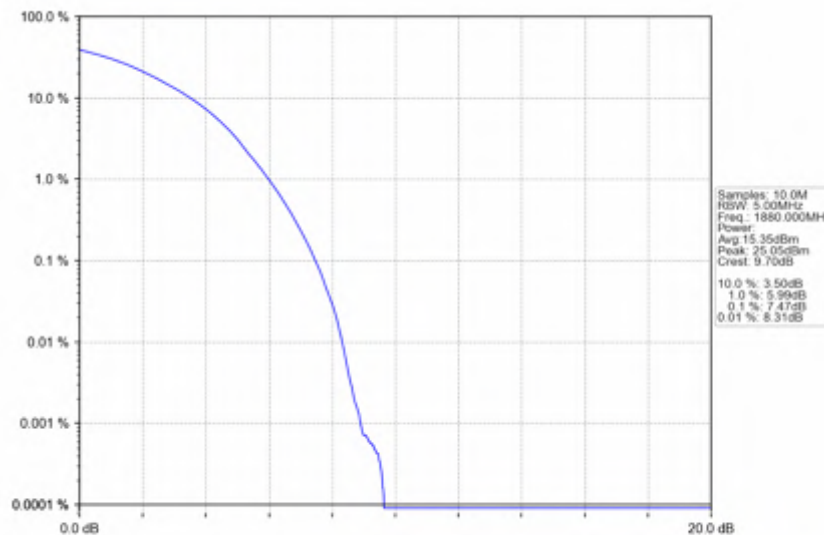


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512)99771111
 or email: CH-Check@sgs.com

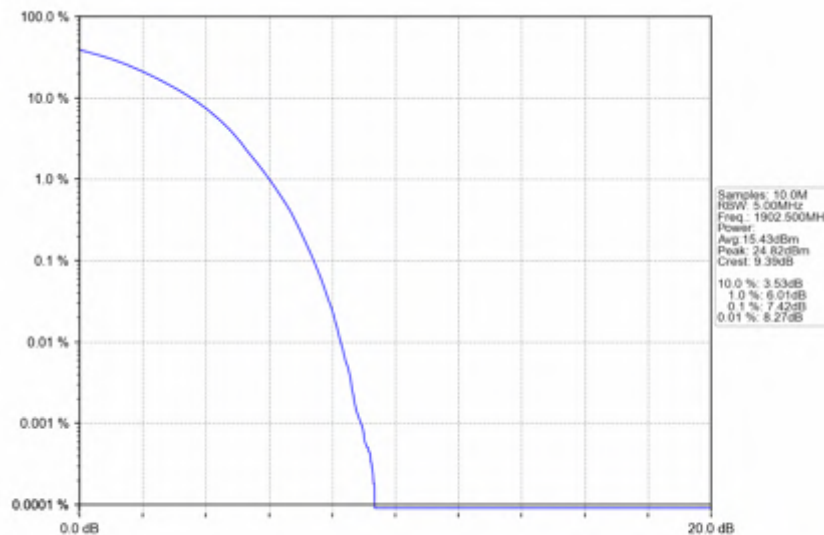
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512)57356888 (86-512)57370111 www.sgs.com.cn
 (86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band2_15MHz_256QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_256QAM_HCH_1902.5MHz_RB_75_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	7.66	<=13	Pass
	1880	100	0	7.58	<=13	Pass
	1900	100	0	7.62	<=13	Pass
16QAM	1860	100	0	7.66	<=13	Pass
	1880	100	0	7.57	<=13	Pass
	1900	100	0	7.62	<=13	Pass
64QAM	1860	100	0	7.65	<=13	Pass
	1880	100	0	7.57	<=13	Pass
	1900	100	0	7.62	<=13	Pass
256QAM	1860	100	0	7.65	<=13	Pass
	1880	100	0	7.60	<=13	Pass
	1900	100	0	7.67	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

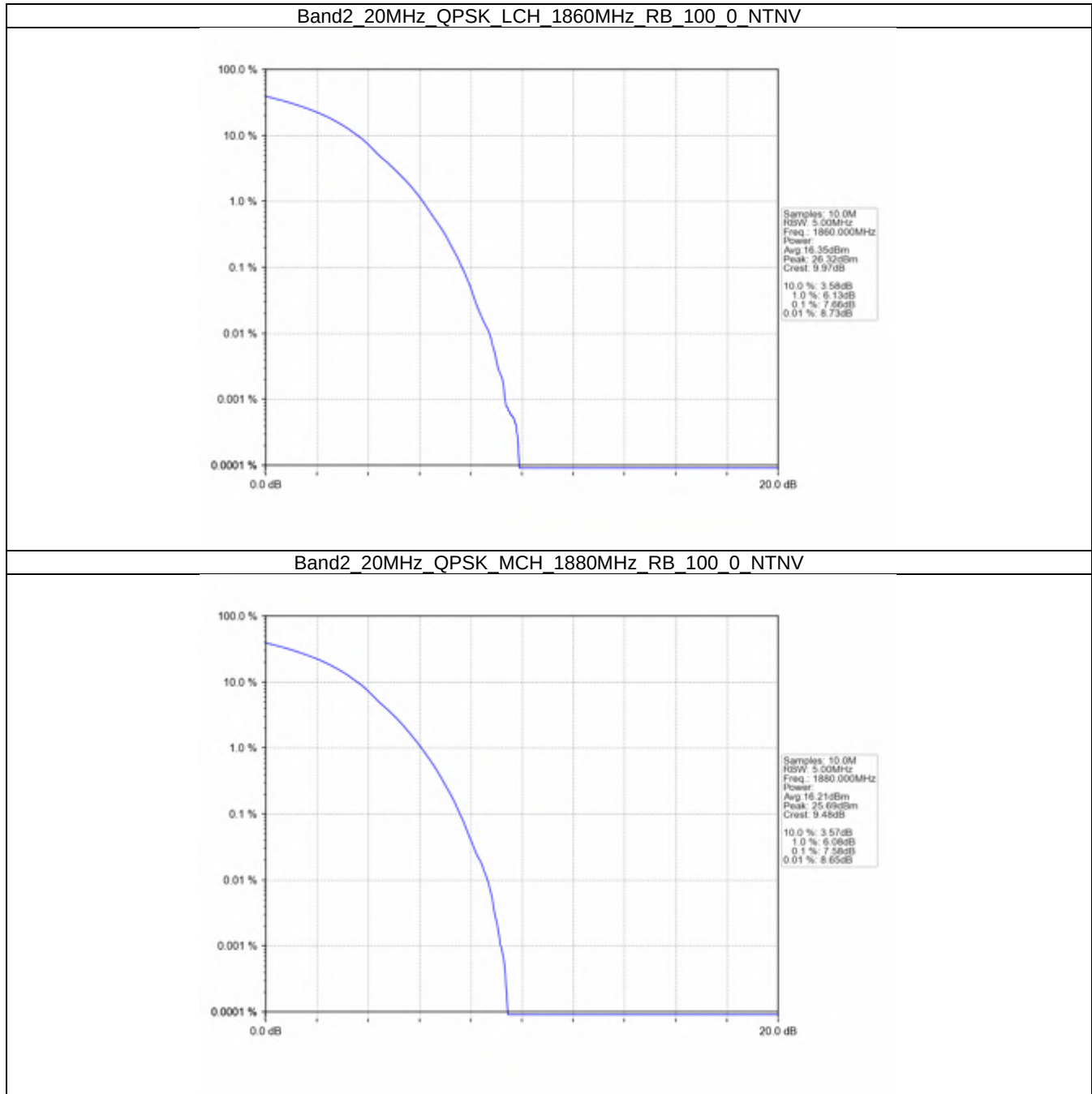
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

1.6.2 Test Graph



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

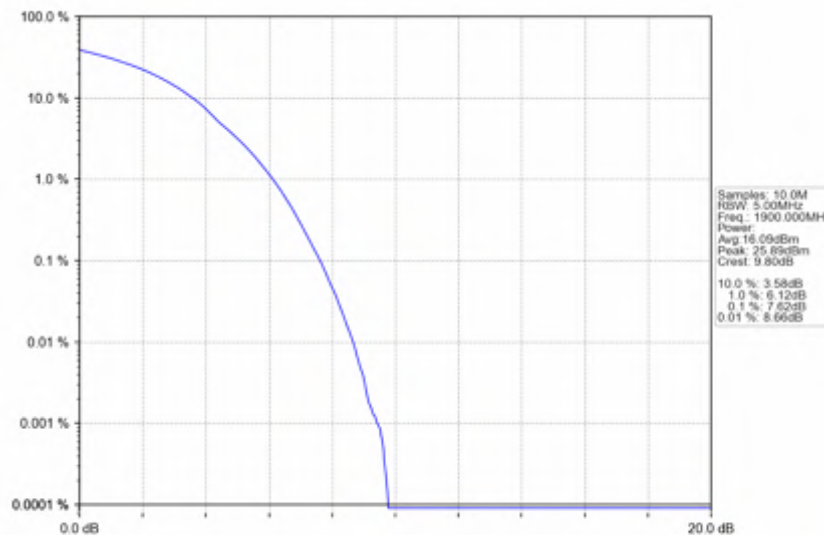
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

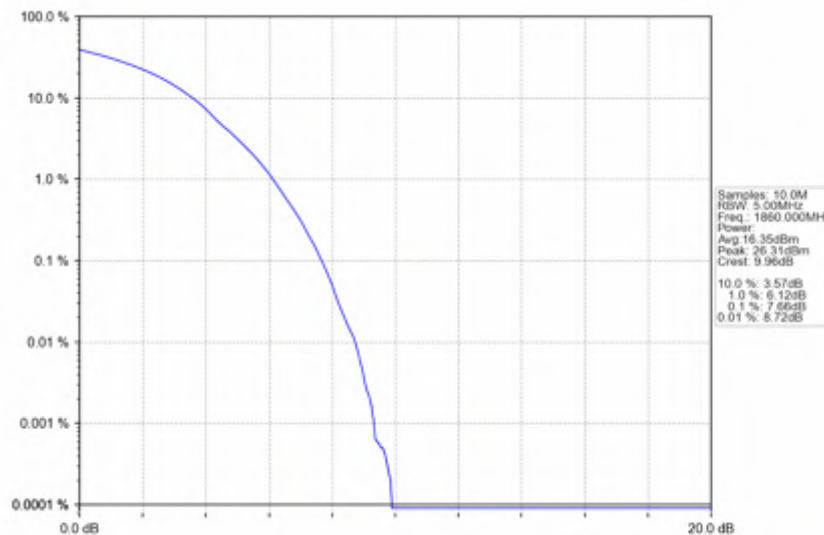
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



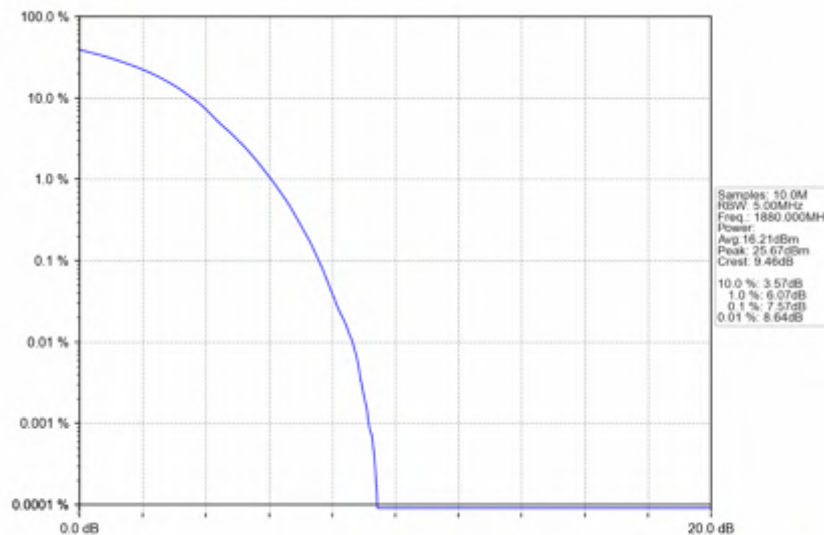
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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: (86-512) 57370011 or email: CN-Check@sgs.com

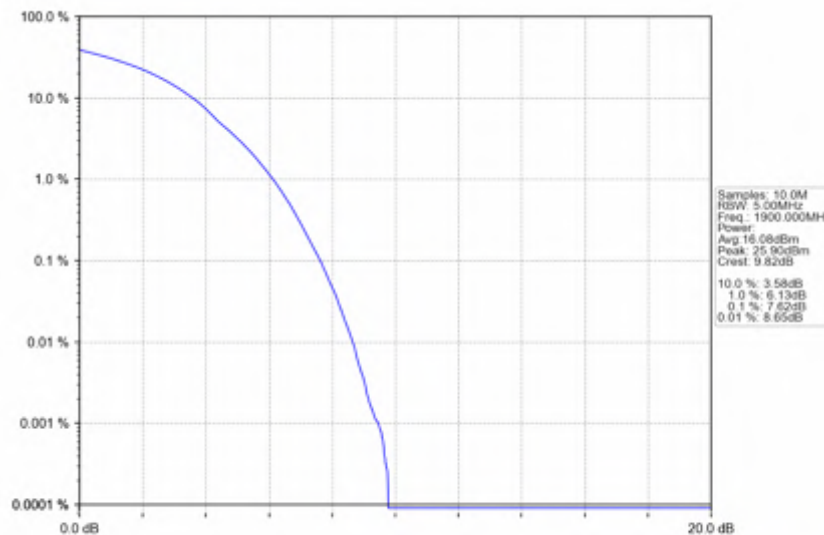
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV

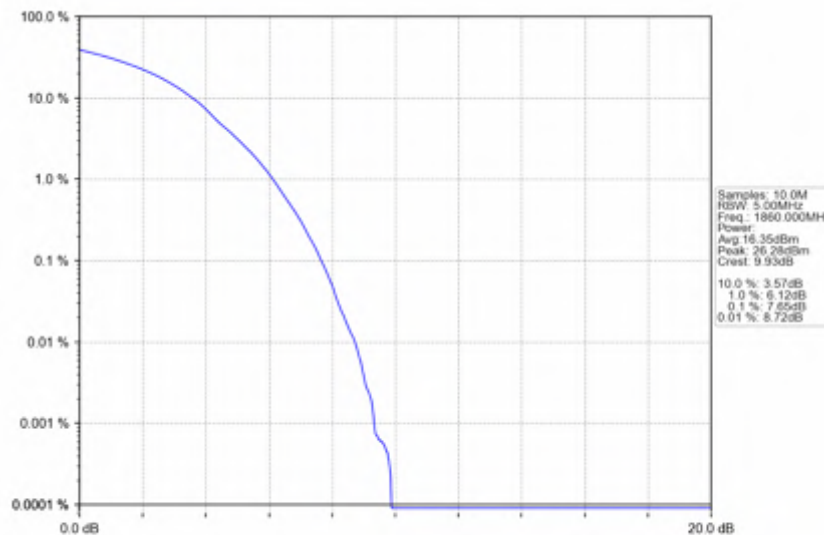


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

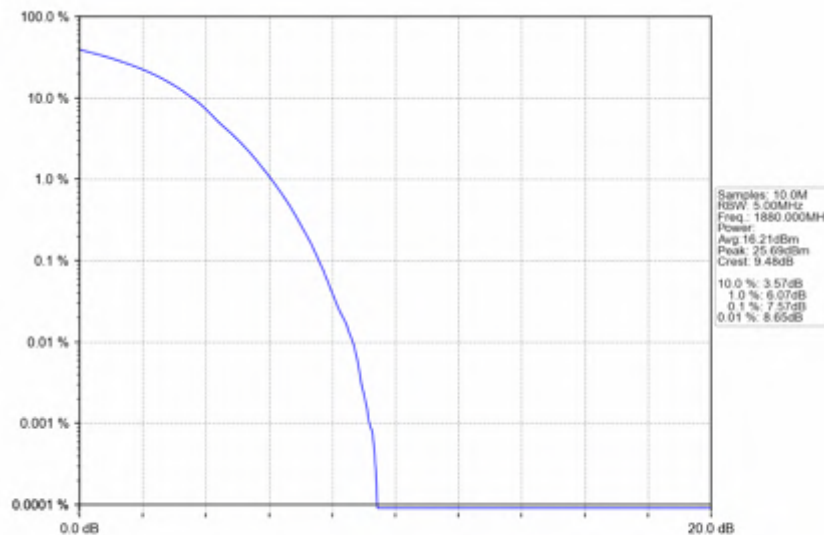
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band2_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_64QAM_MCH_1880MHz_RB_100_0_NTNV



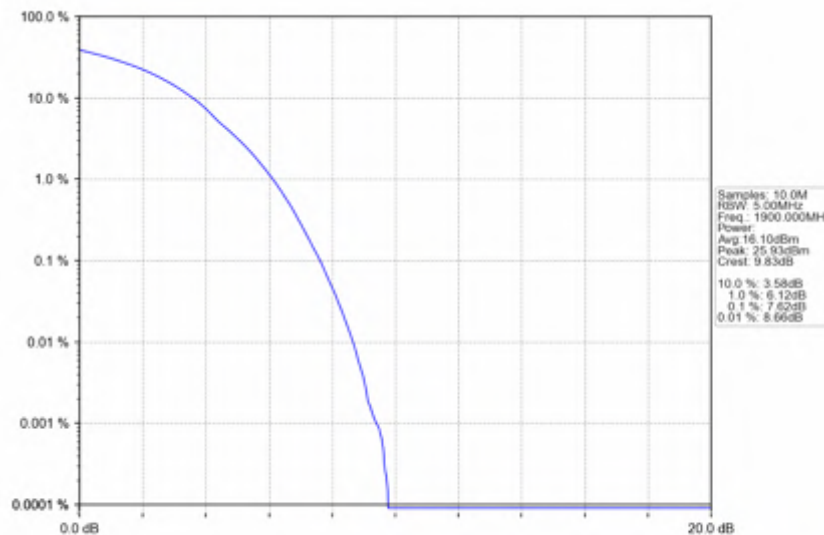
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512)99770011 or email: CN-Check@sgs.com

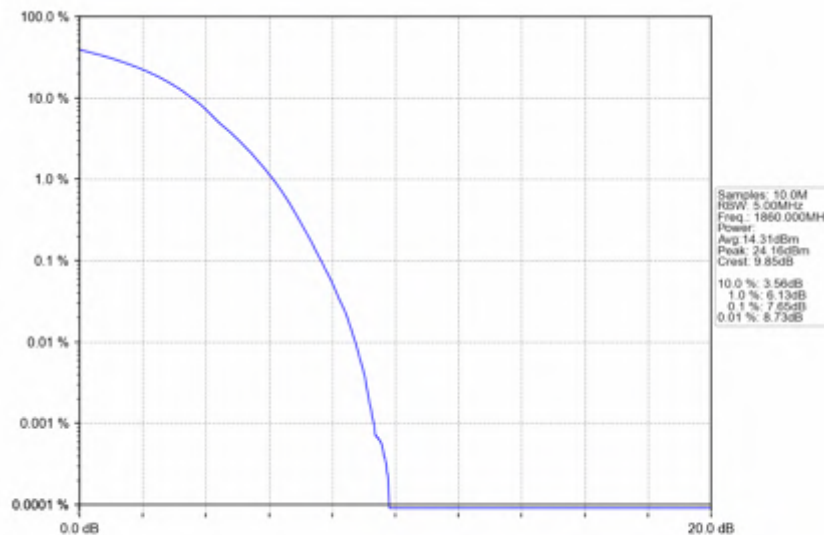
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512)57350888 (86-512)57370011 www.sgs.com.cn
(86-512)57350888 (86-512)57370011 sgs.china@sgs.com

Band2_20MHz_64QAM_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_256QAM_LCH_1860MHz_RB_100_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

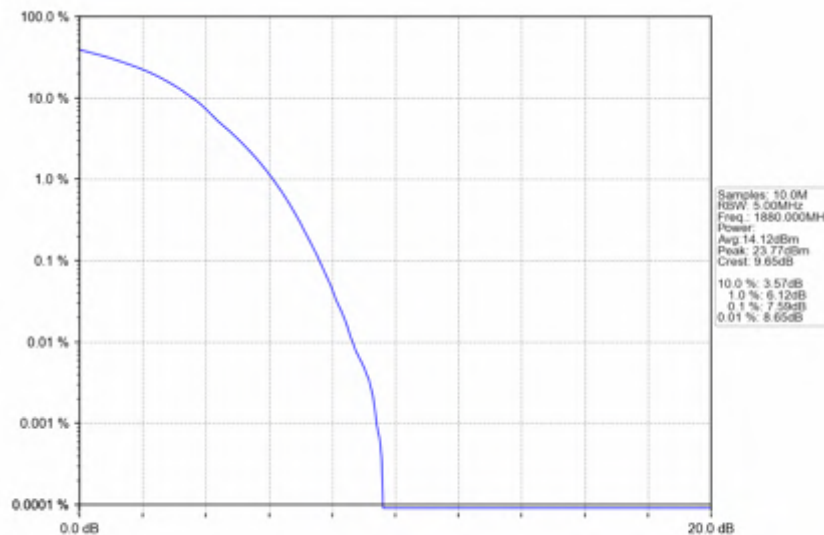
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

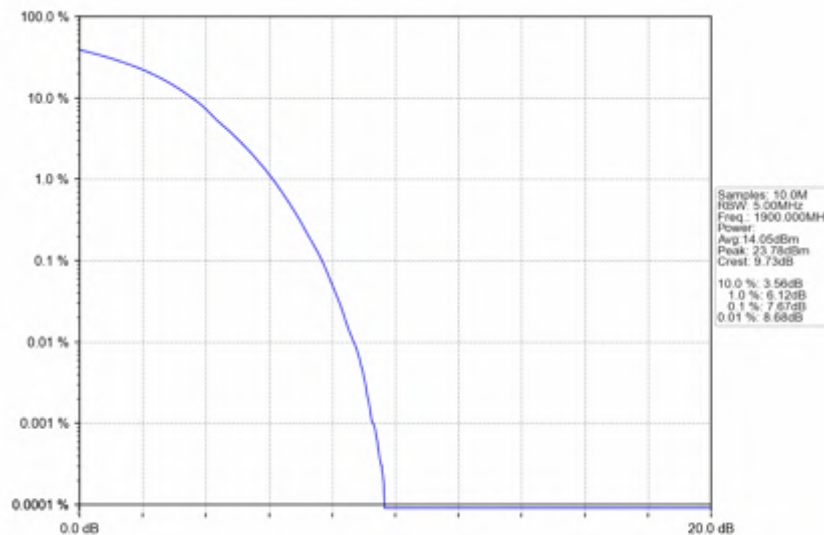
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band2_20MHz_256QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_256QAM_HCH_1900MHz_RB_100_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512)9977000 or email: CH-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路10号 邮编 215300

(86-512)57356888 (86-512)57370011 www.sgs.com.cn

(86-512)57356888 (86-512)57370011 sgs.china@sgs.com



2. Peak-Average Ratio

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	6.59	<=13	Pass
	1732.5	6	0	6.52	<=13	Pass
	1754.3	6	0	6.91	<=13	Pass
16QAM	1710.7	6	0	6.58	<=13	Pass
	1732.5	6	0	6.52	<=13	Pass
	1754.3	6	0	6.92	<=13	Pass
64QAM	1710.7	6	0	6.59	<=13	Pass
	1732.5	6	0	6.52	<=13	Pass
	1754.3	6	0	6.93	<=13	Pass
256QAM	1710.7	6	0	6.70	<=13	Pass
	1732.5	6	0	6.91	<=13	Pass
	1754.3	6	0	7.02	<=13	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 herein 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 notification reports & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

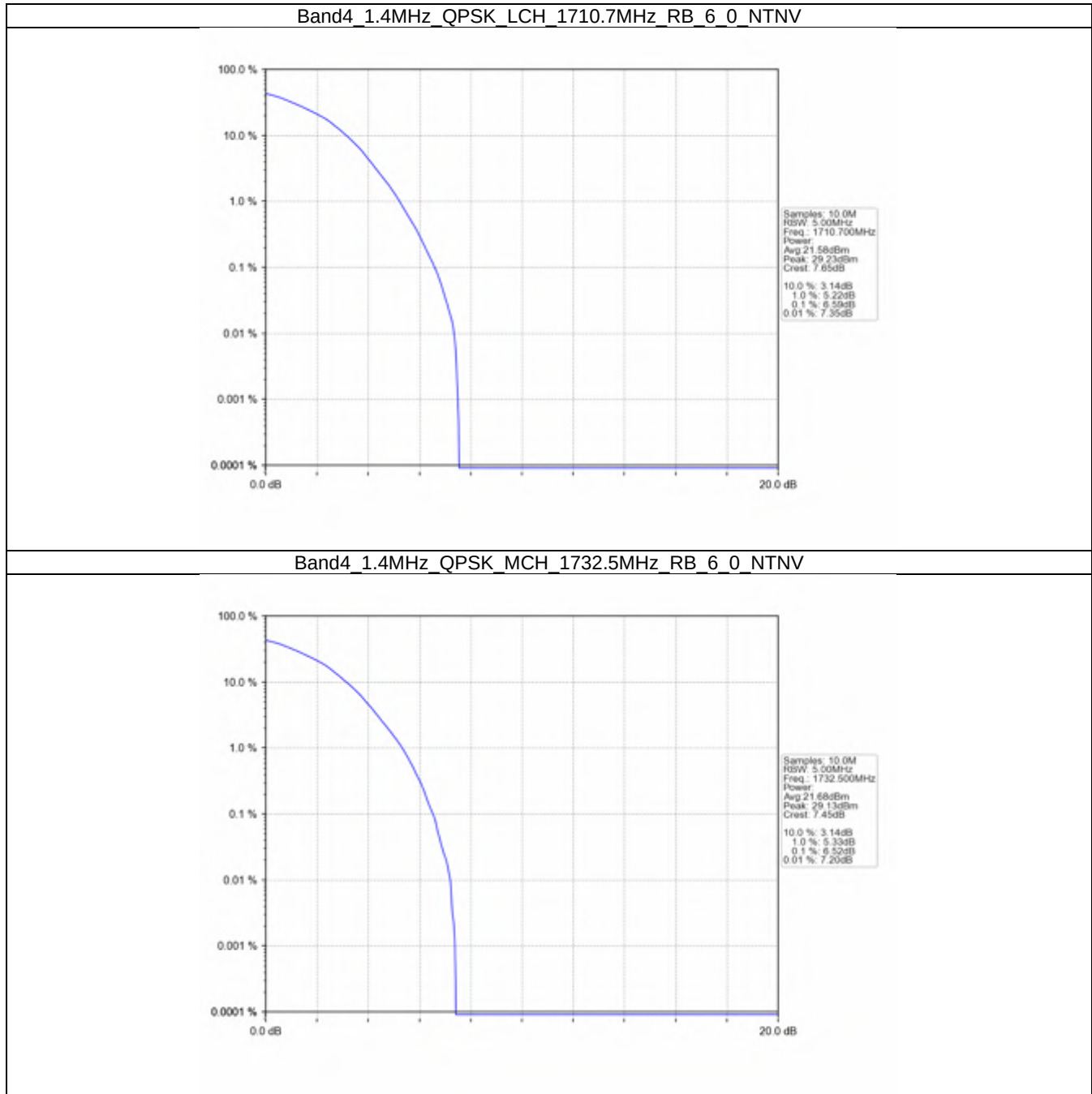
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

2.1.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

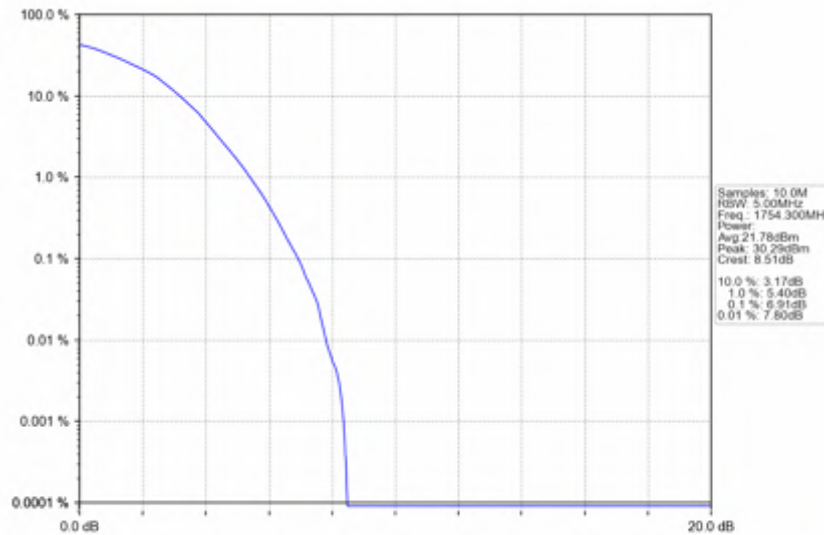
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

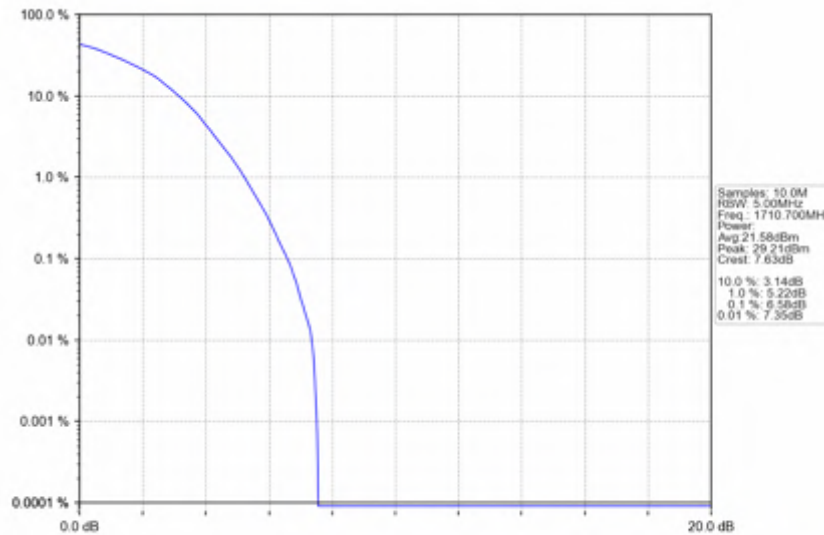
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

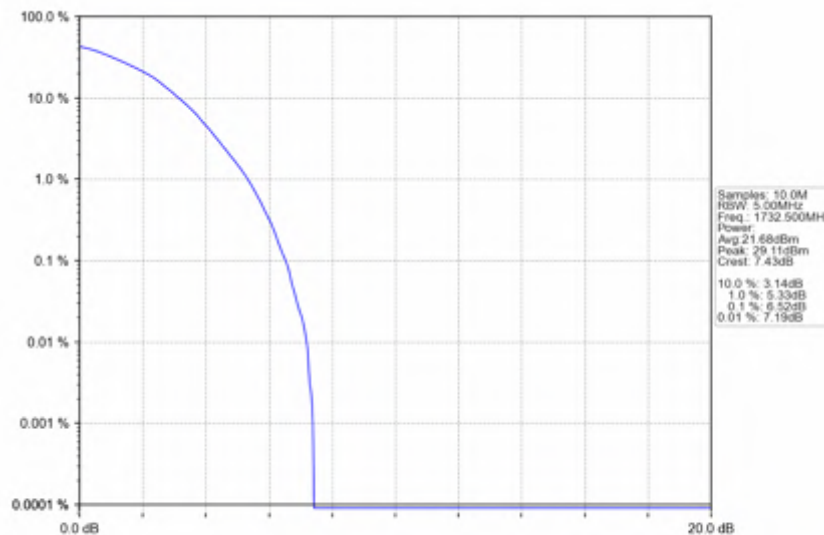


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CH-Check@sgs.com

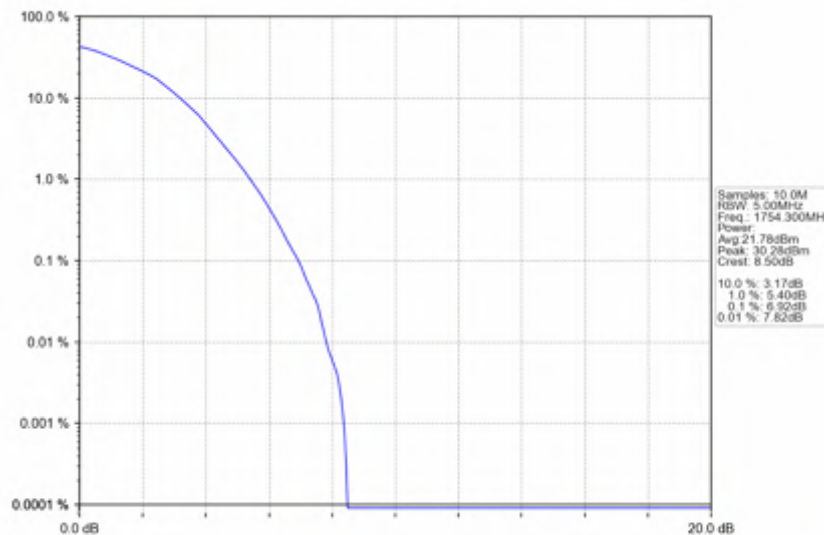
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

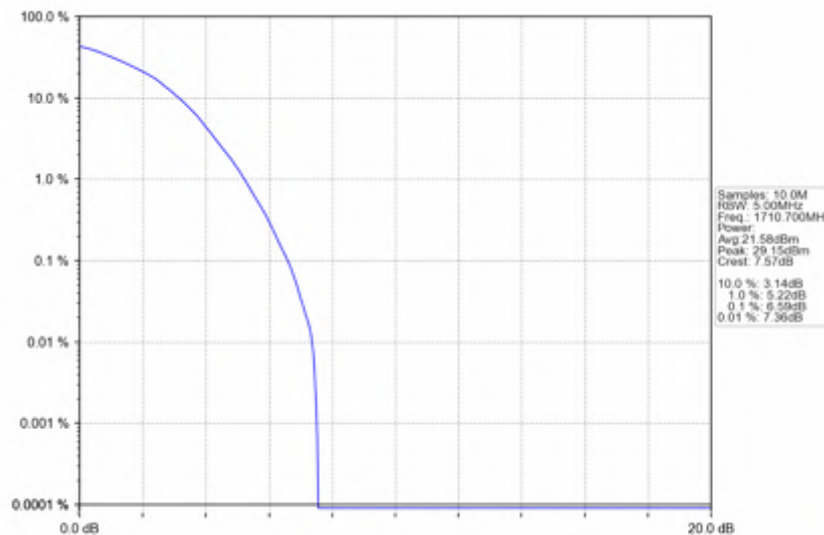


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

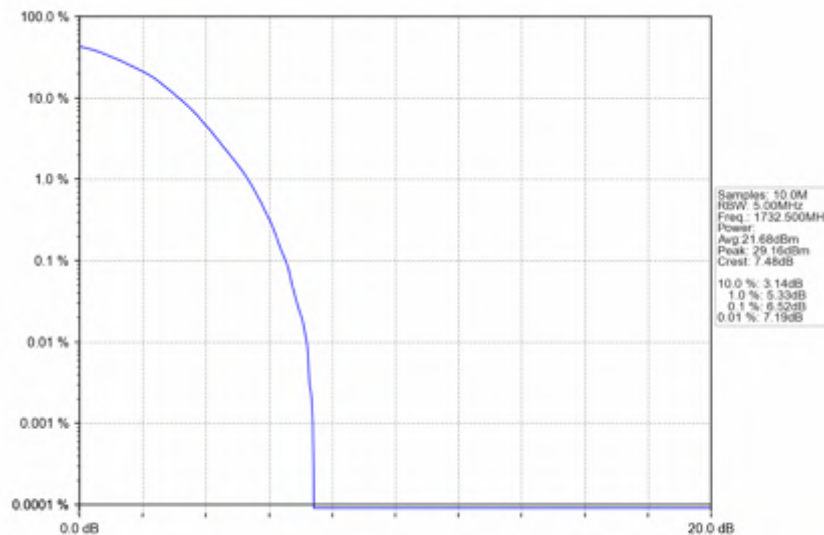
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV

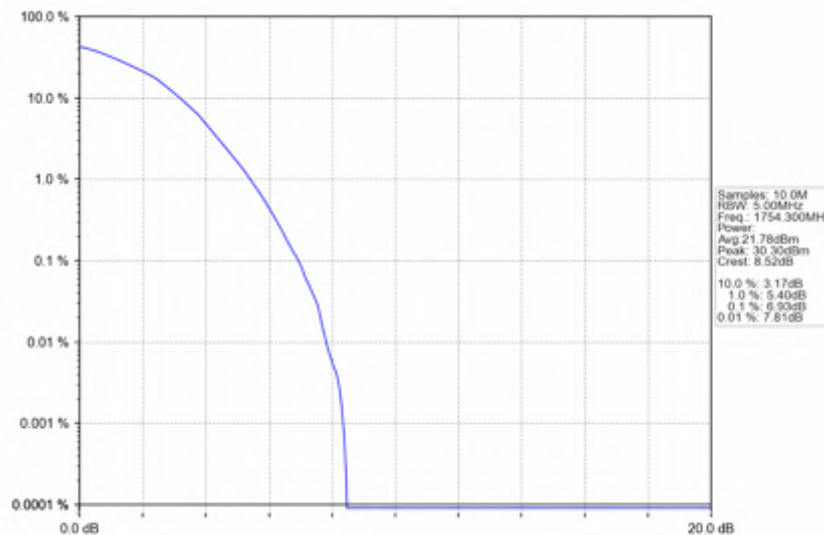


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

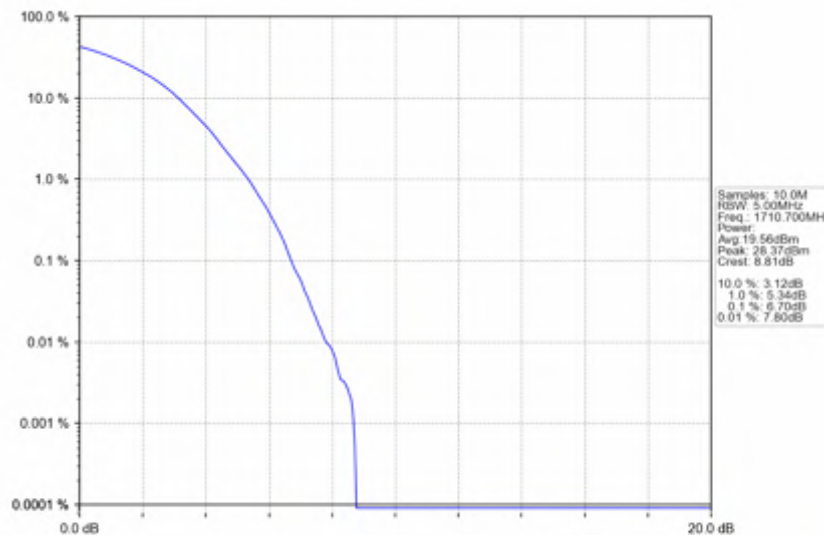
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_256QAM_LCH_1710.7MHz_RB_6_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888

(86-512) 57370011

(86-512) 57355888

(86-512) 57370011

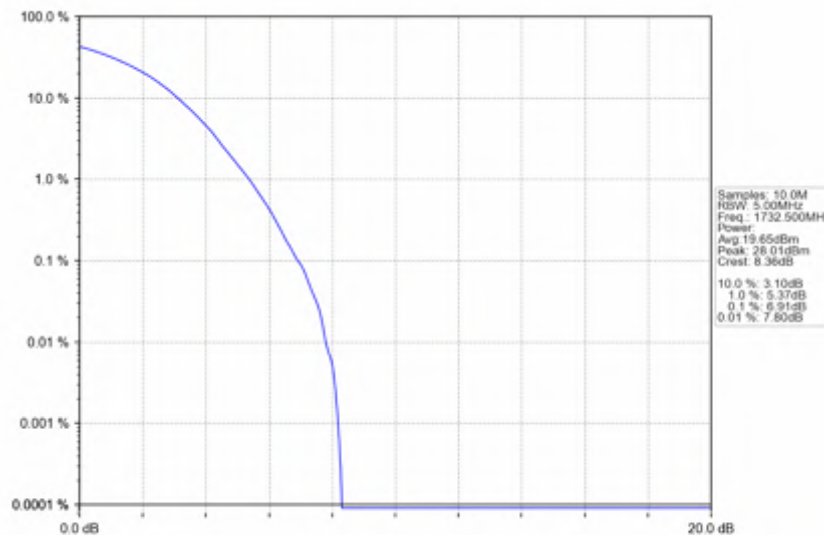
www.sgs.com.cn

sgs.china@sgs.com

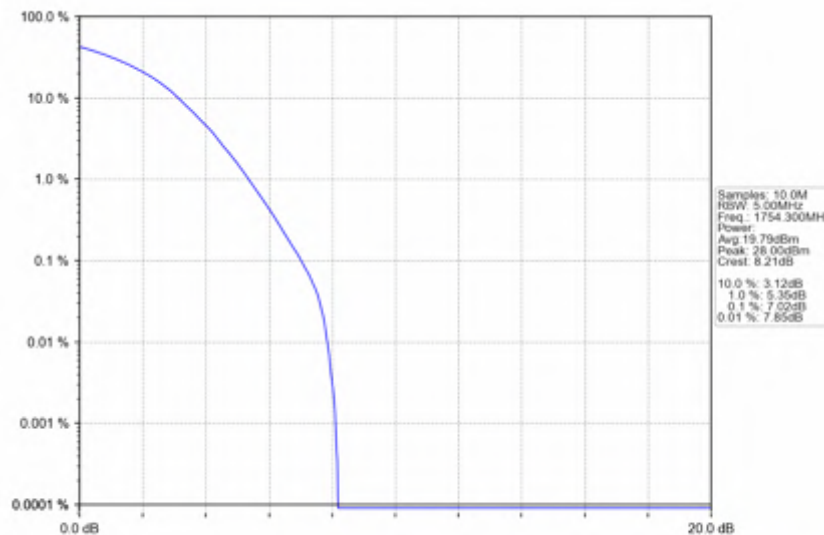
www.sgs.com.cn

sgs.china@sgs.com

Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_256QAM_HCH_1754.3MHz_RB_6_0_NTNV



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	6.76	<=13	Pass
	1732.5	15	0	6.59	<=13	Pass
	1753.5	15	0	6.92	<=13	Pass
16QAM	1711.5	15	0	6.75	<=13	Pass
	1732.5	15	0	6.60	<=13	Pass
	1753.5	15	0	6.91	<=13	Pass
64QAM	1711.5	15	0	6.76	<=13	Pass
	1732.5	15	0	6.60	<=13	Pass
	1753.5	15	0	6.91	<=13	Pass
256QAM	1711.5	15	0	6.89	<=13	Pass
	1732.5	15	0	6.80	<=13	Pass
	1753.5	15	0	6.98	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

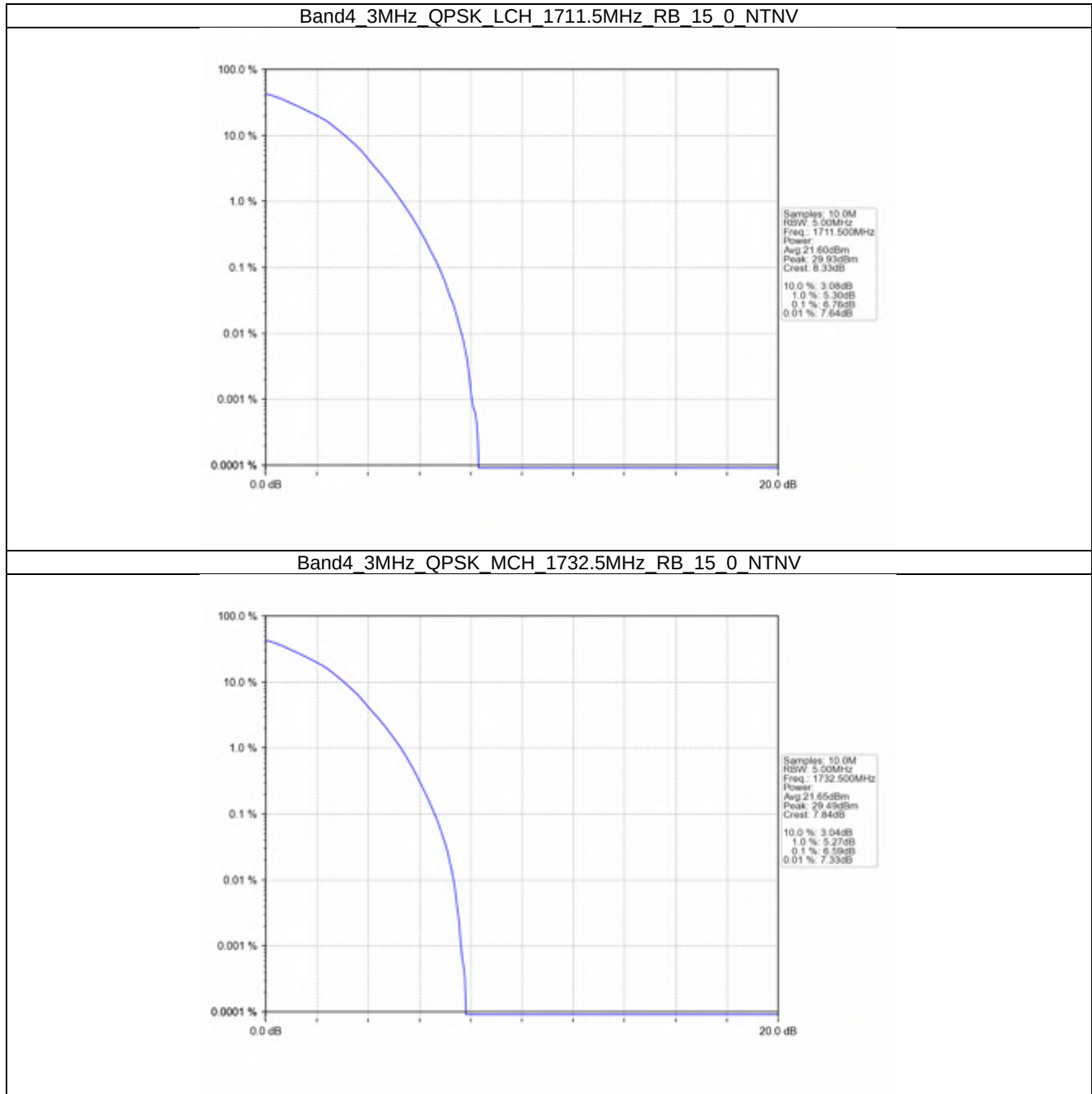
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

2.2.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

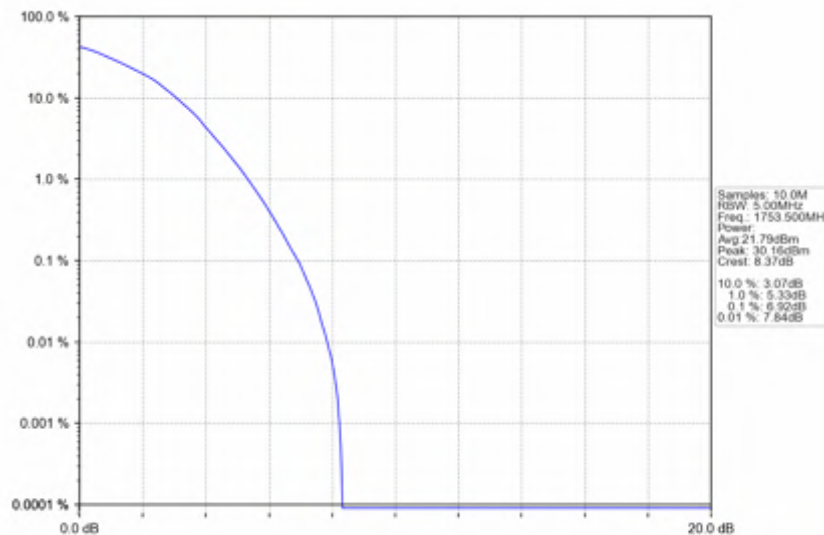
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

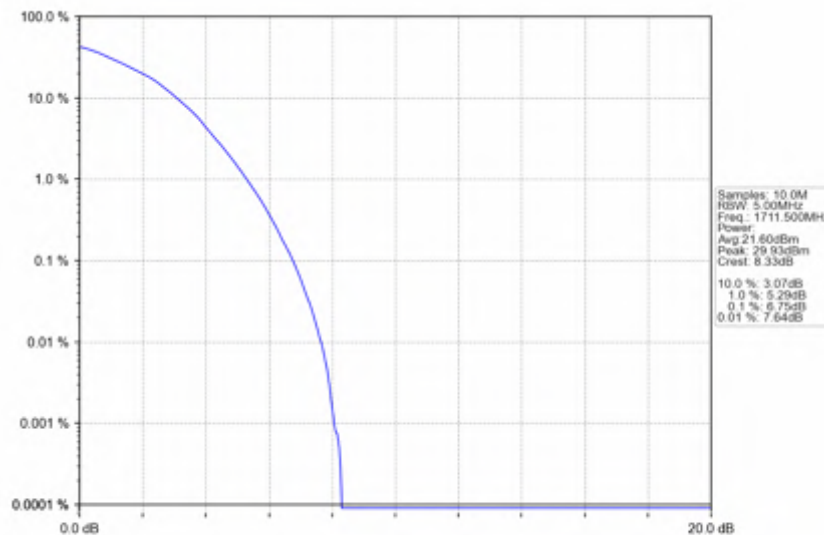
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



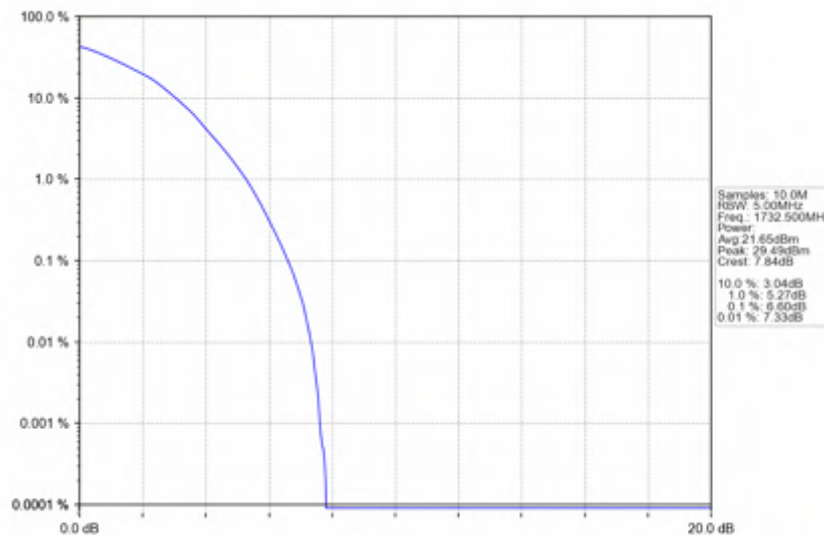
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

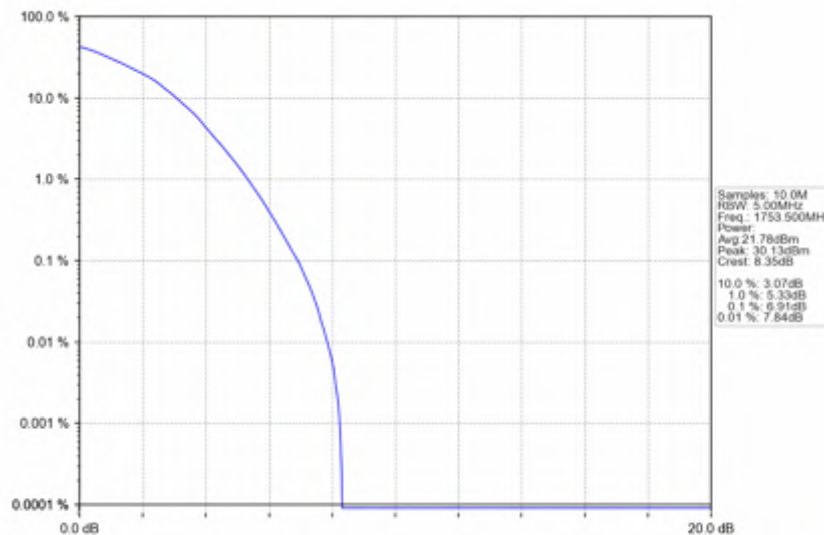
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

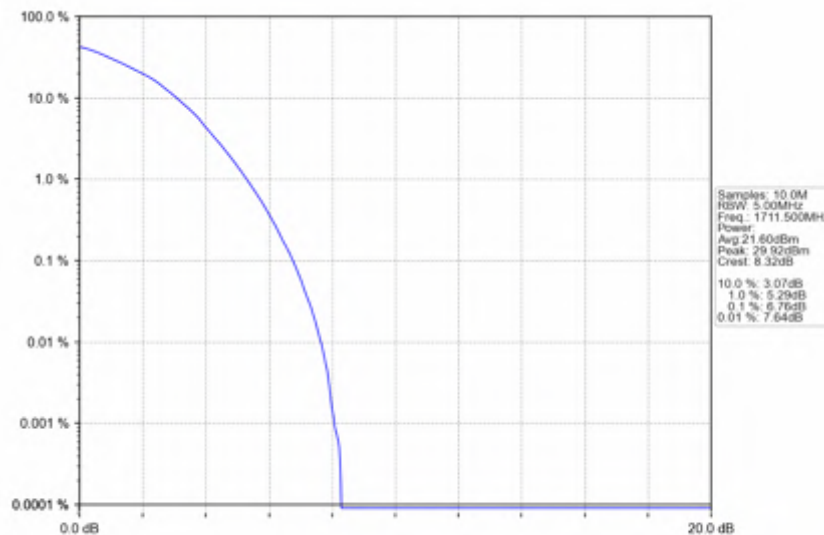


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

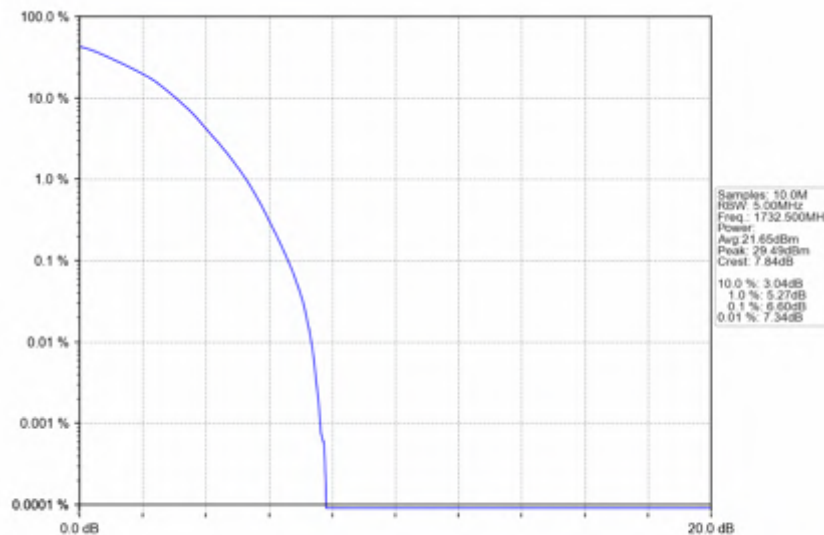
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV

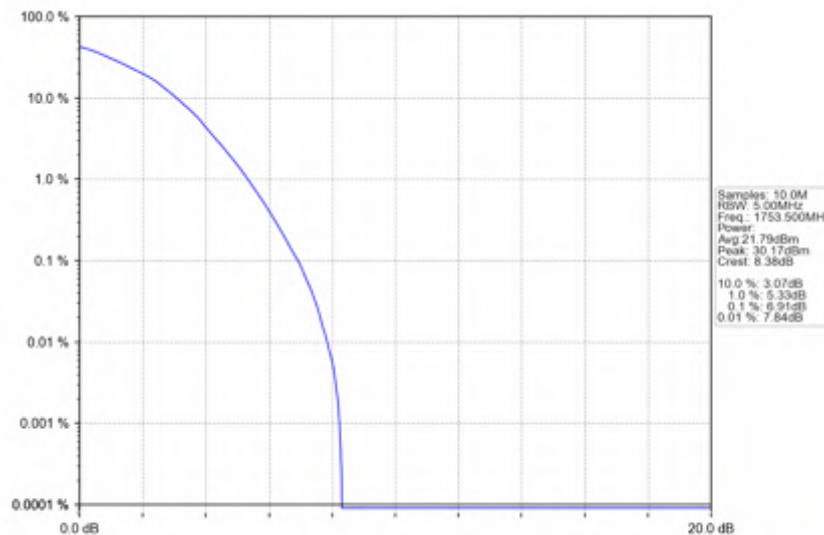


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CN-Check@sgs.com

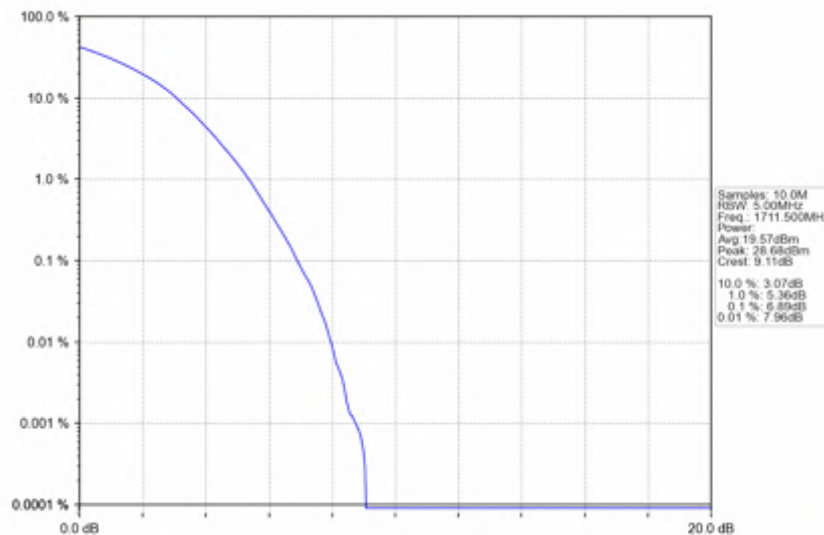
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_LCH_1711.5MHz_RB_15_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

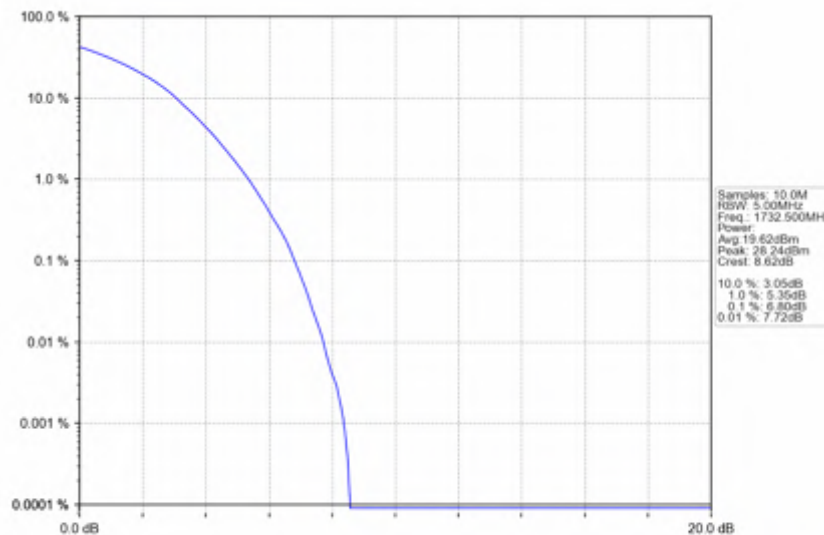
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

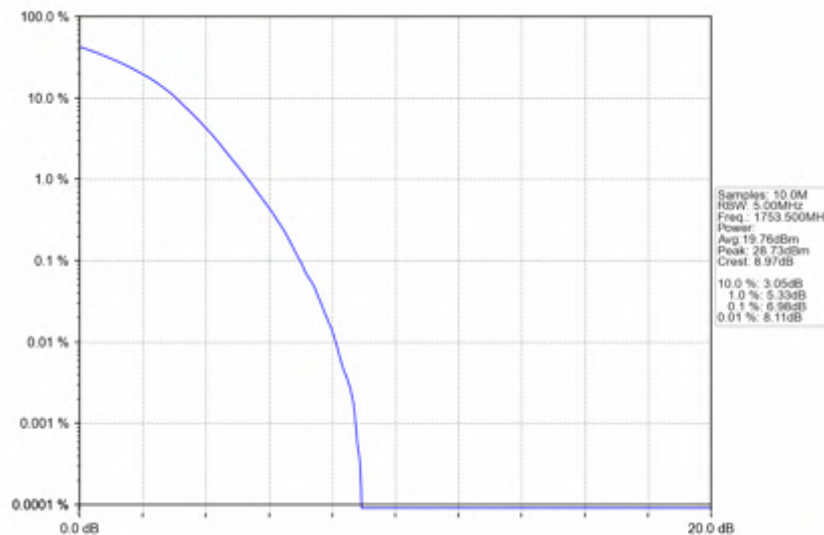
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_3MHz_256QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_HCH_1753.5MHz_RB_15_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	6.69	<=13	Pass
	1732.5	25	0	6.58	<=13	Pass
	1752.5	25	0	6.70	<=13	Pass
16QAM	1712.5	25	0	6.70	<=13	Pass
	1732.5	25	0	6.58	<=13	Pass
	1752.5	25	0	6.72	<=13	Pass
64QAM	1712.5	25	0	6.69	<=13	Pass
	1732.5	25	0	6.57	<=13	Pass
	1752.5	25	0	6.71	<=13	Pass
256QAM	1712.5	25	0	6.74	<=13	Pass
	1732.5	25	0	6.87	<=13	Pass
	1752.5	25	0	6.90	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

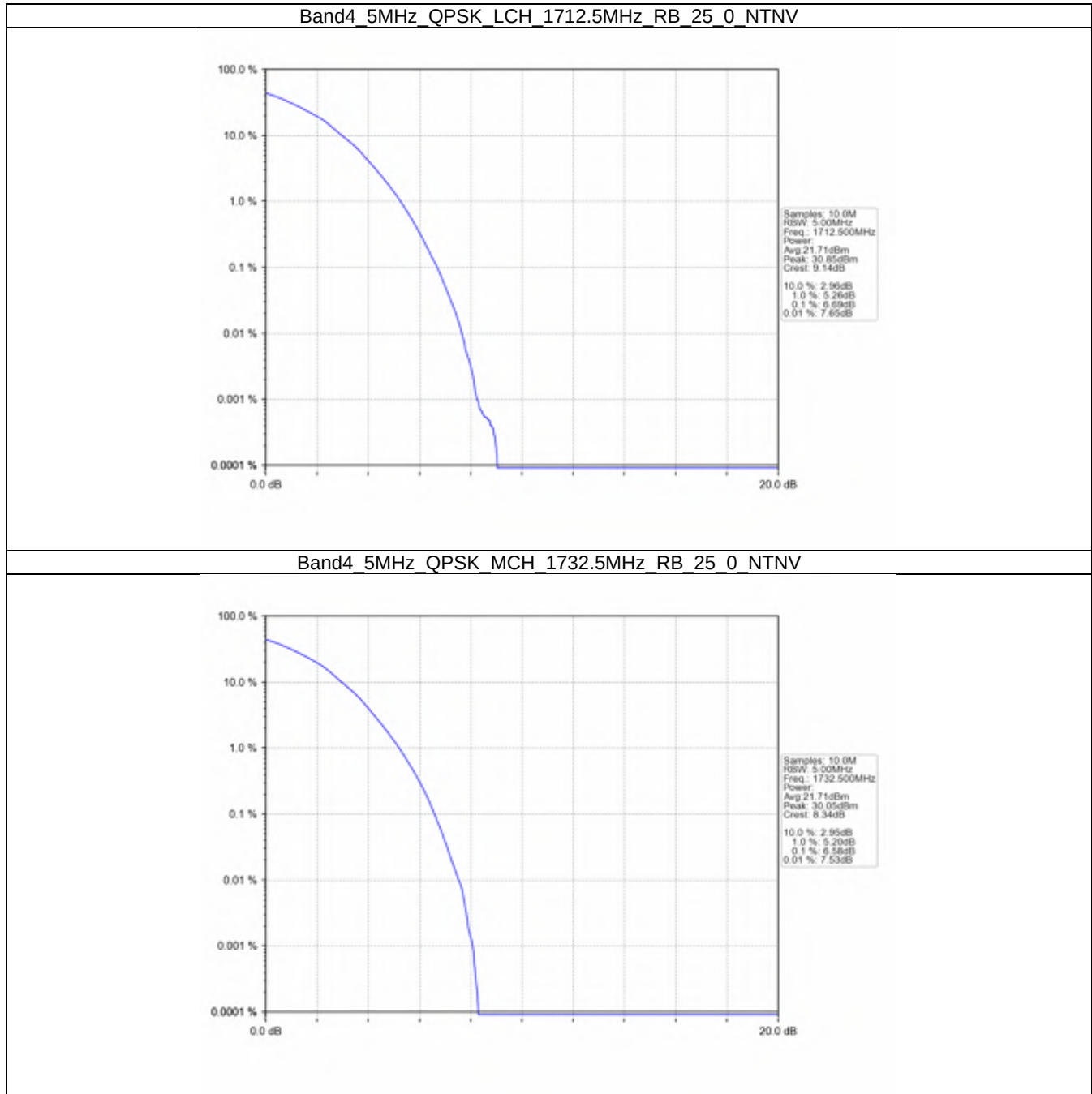
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgsgroup.com.cn

(86-512) 57356880 (86-512) 57370011 sgs.china@sgs.com

2.3.2 Test Graph



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 herein 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 ensure the authenticity of testing information report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

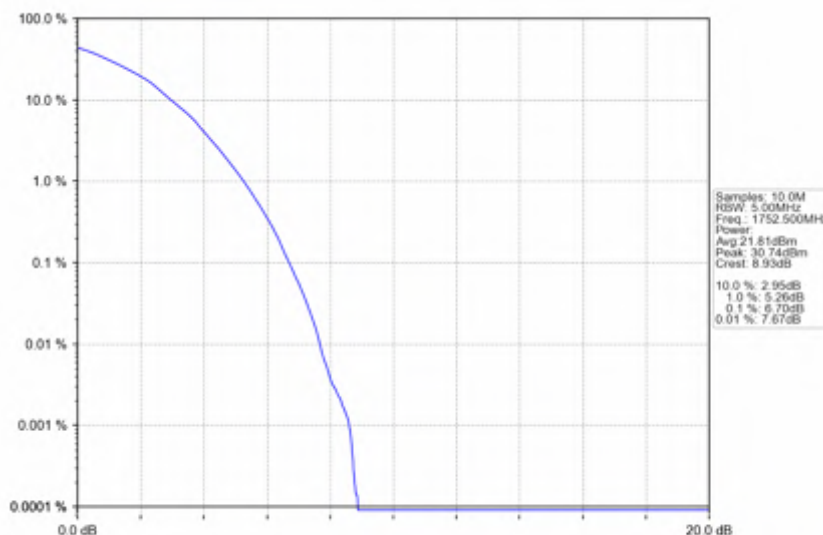
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

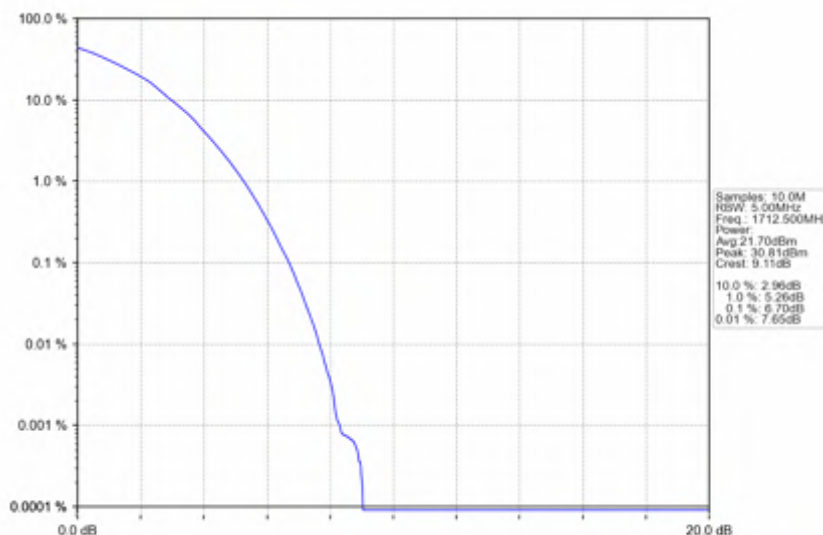
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



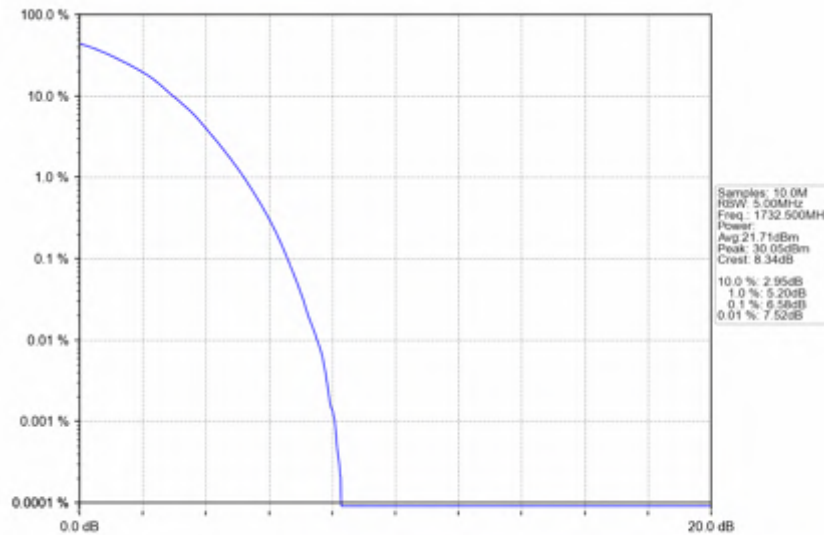
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

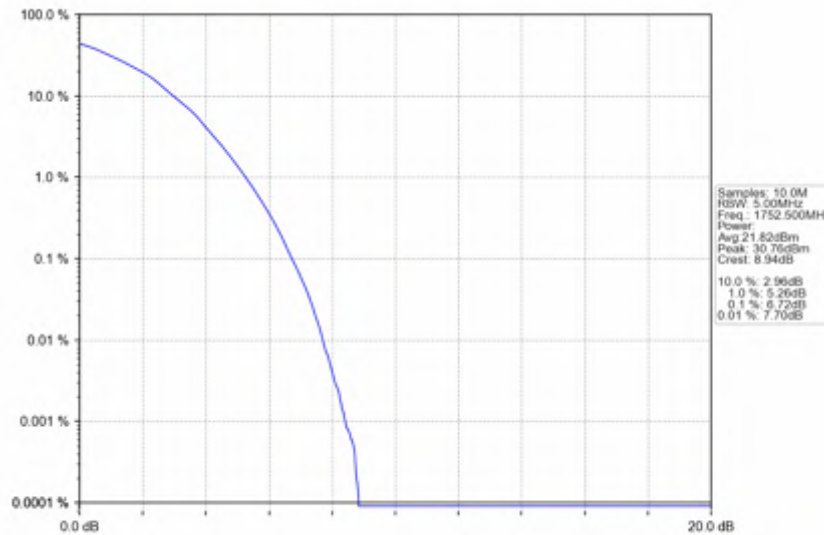
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



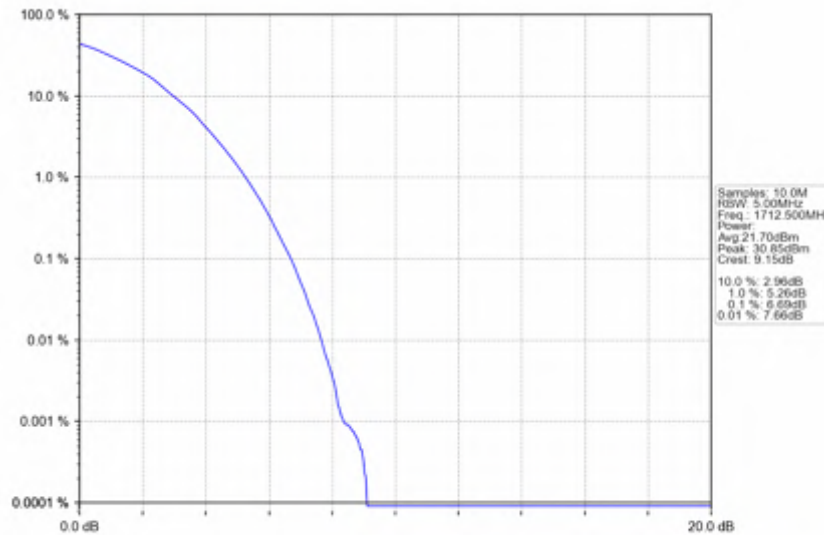
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

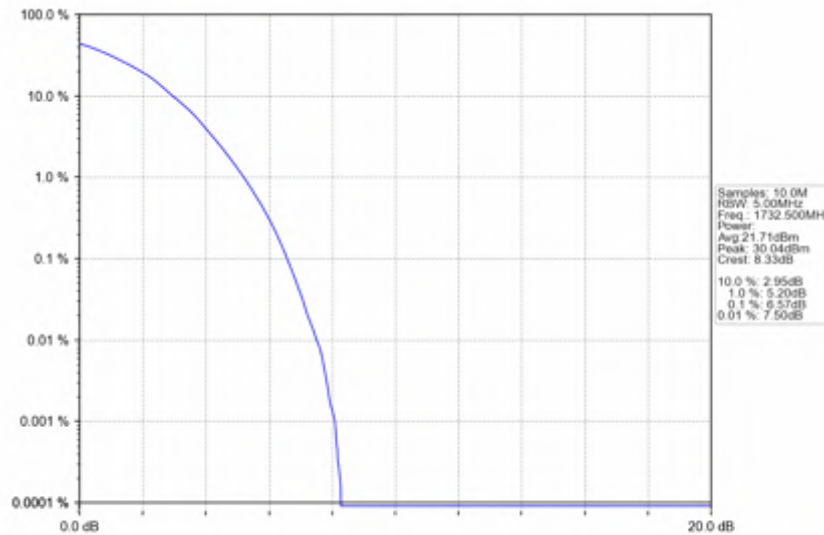
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV

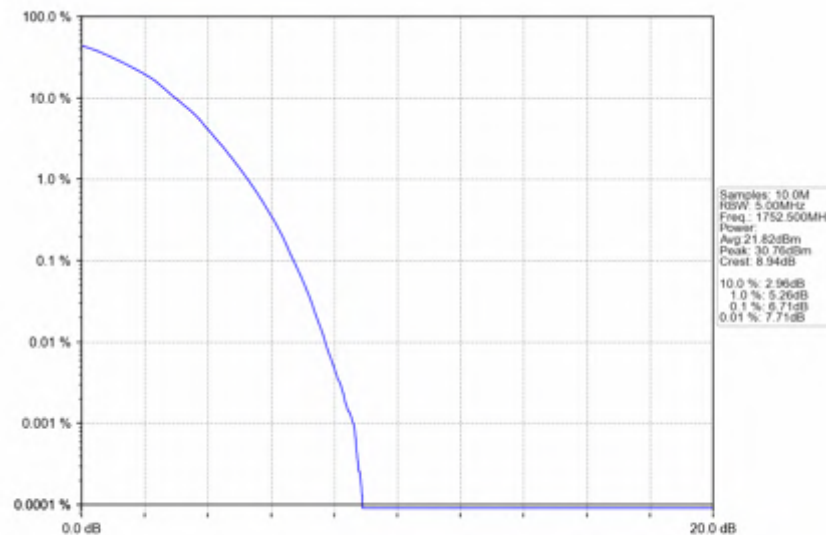


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CN-Check@sgs.com

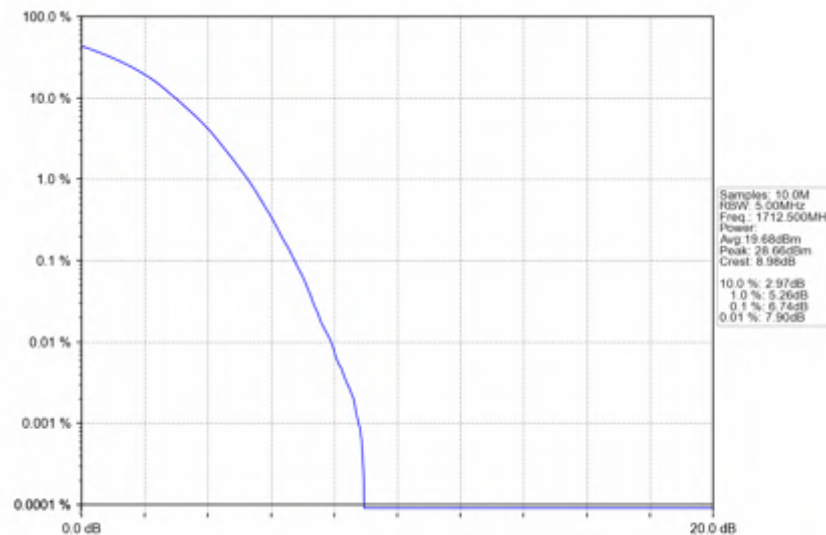
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_LCH_1712.5MHz_RB_25_0_NTNV

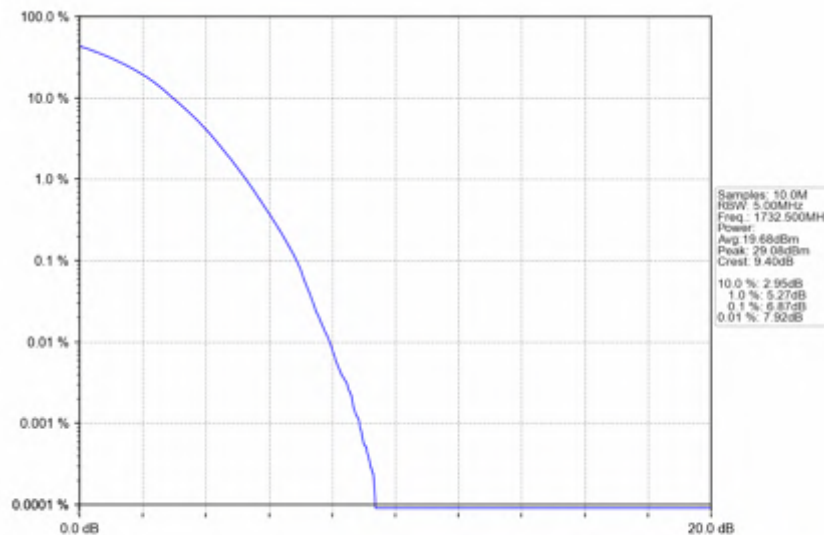


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Official@sgs.com

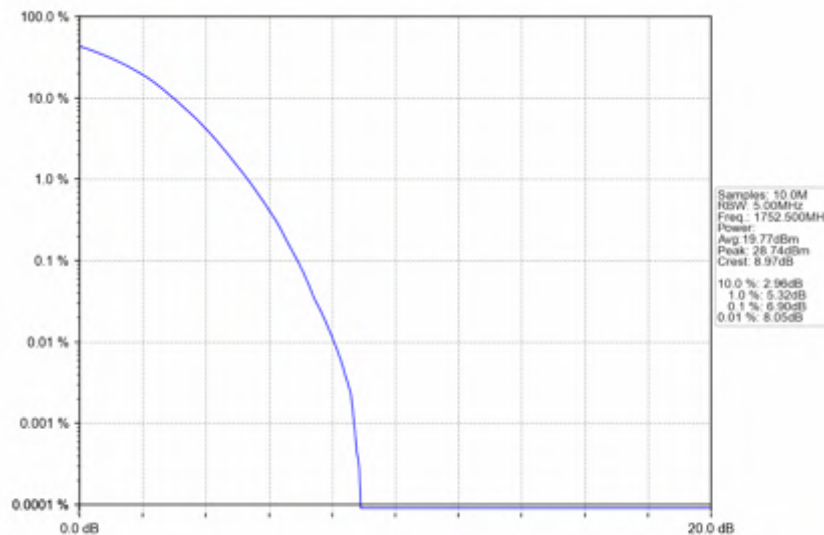
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_HCH_1752.5MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com



2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	7.06	<=13	Pass
	1732.5	50	0	7.01	<=13	Pass
	1750	50	0	7.00	<=13	Pass
16QAM	1715	50	0	7.04	<=13	Pass
	1732.5	50	0	7.01	<=13	Pass
	1750	50	0	7.02	<=13	Pass
64QAM	1715	50	0	7.06	<=13	Pass
	1732.5	50	0	7.00	<=13	Pass
	1750	50	0	7.02	<=13	Pass
256QAM	1715	50	0	7.08	<=13	Pass
	1732.5	50	0	7.02	<=13	Pass
	1750	50	0	7.04	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

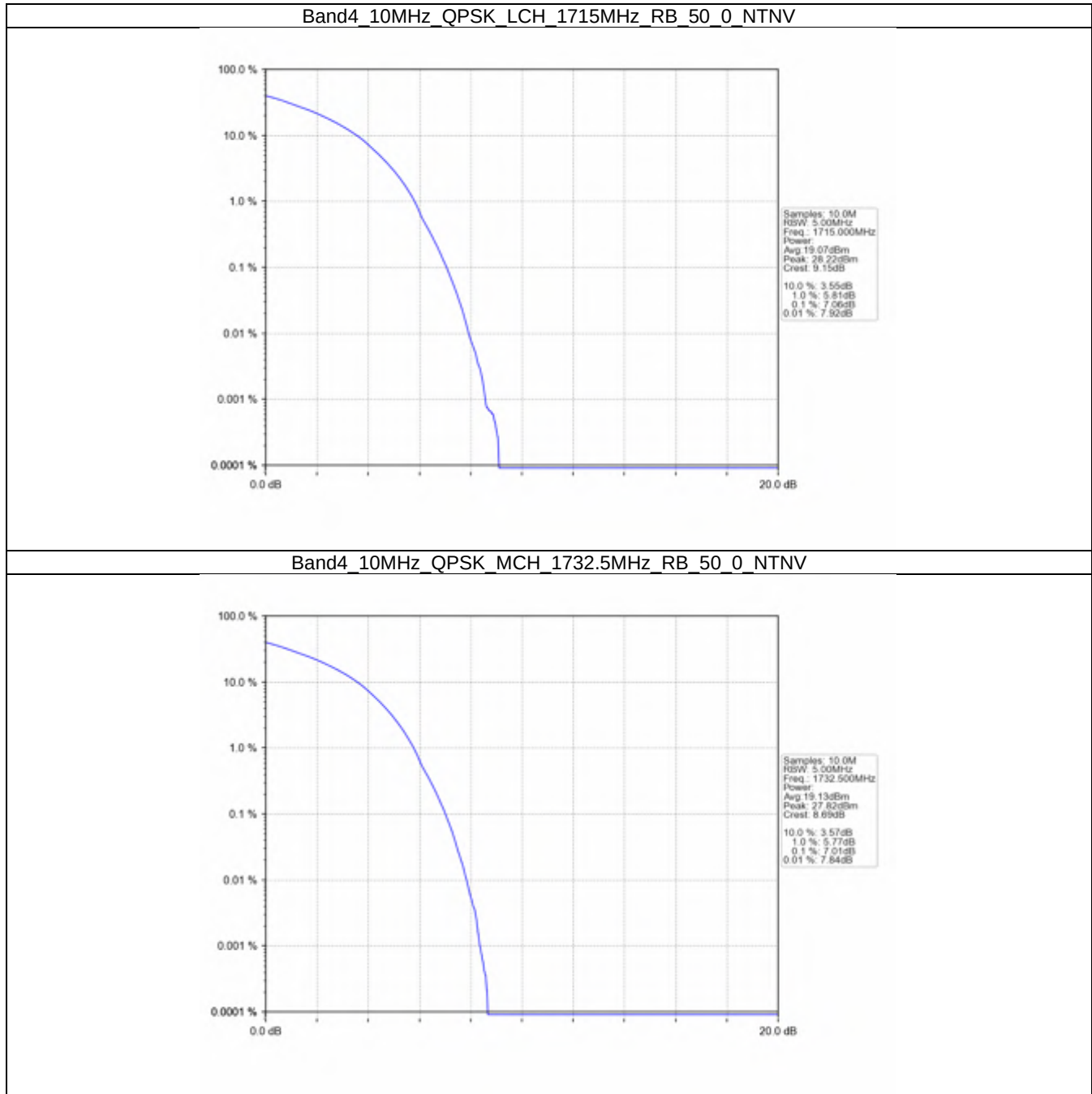
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

2.4.2 Test Graph



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 herein 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 test report 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

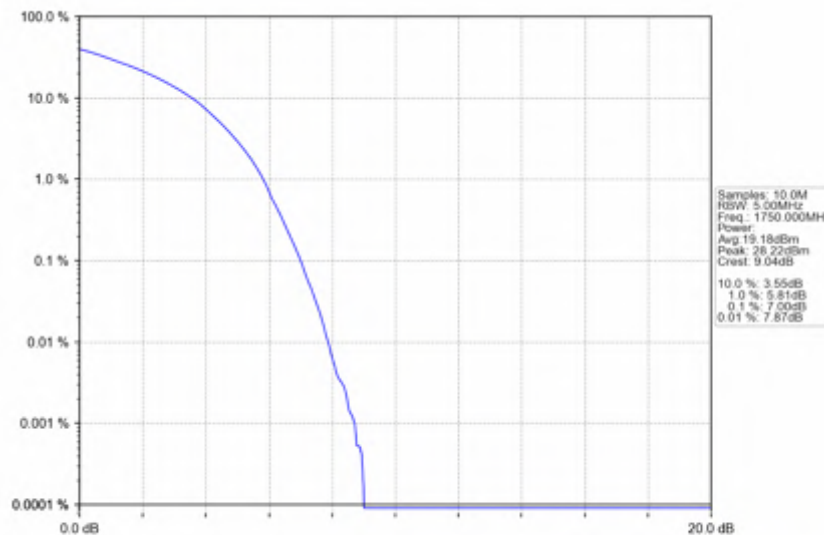
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

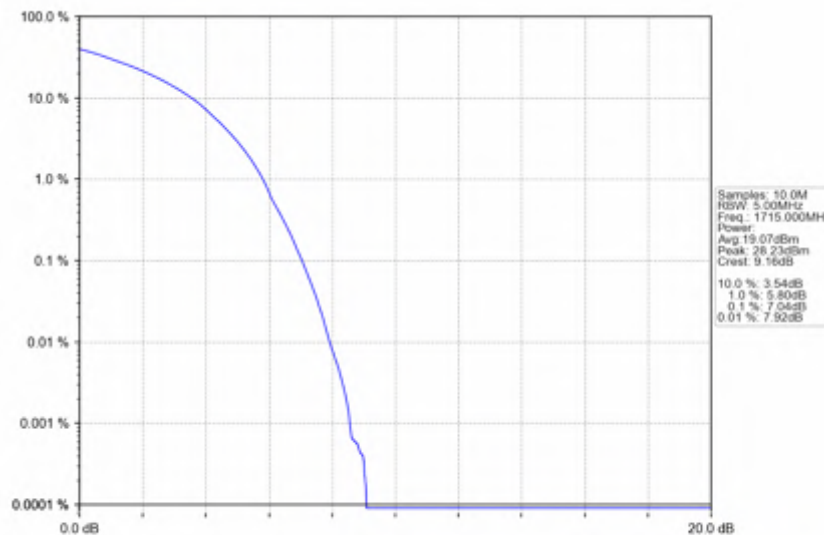
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



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 herein 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 certification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

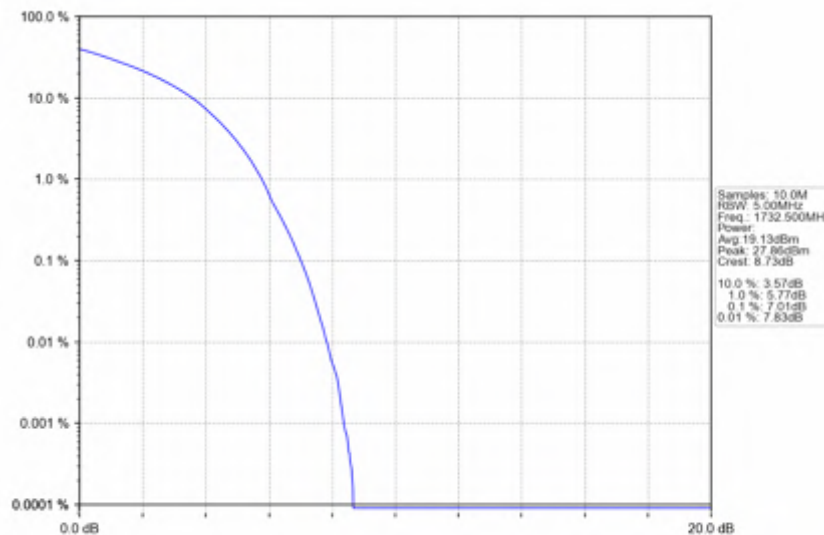
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

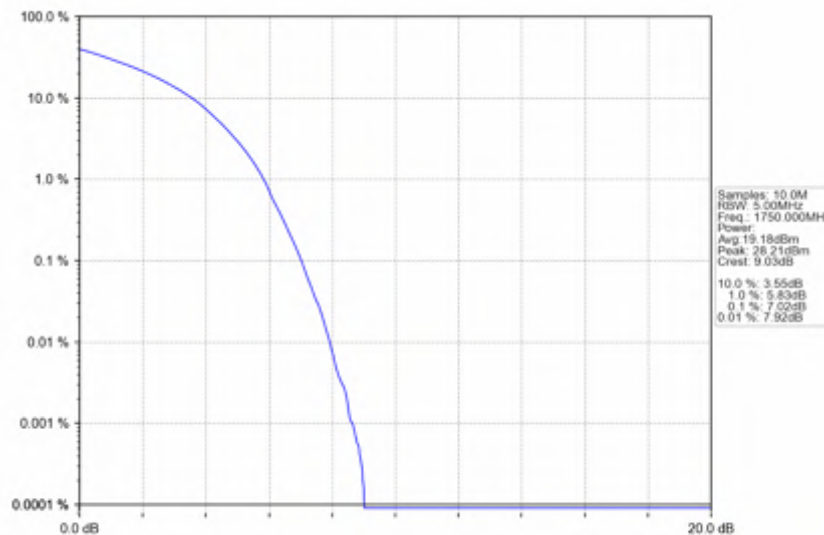
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



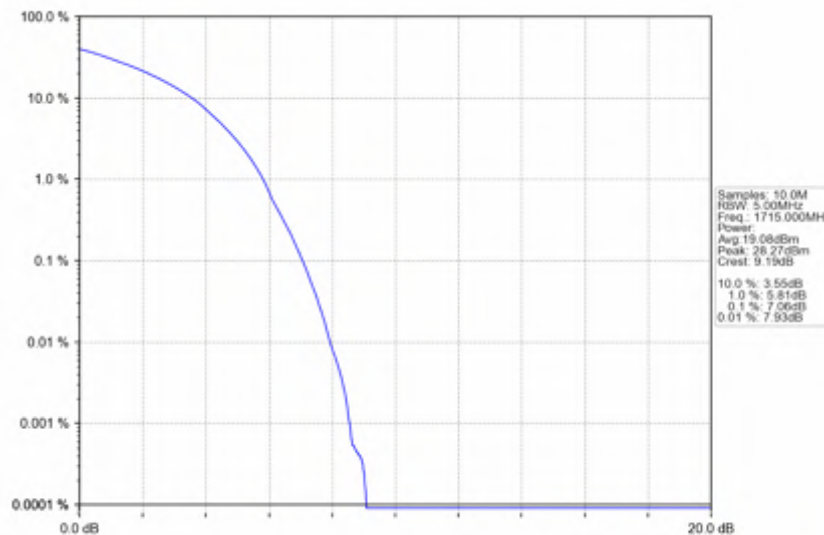
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 certification report & certificate, please contact us at telephone: (86-512)99771001 or email: CH.Official@sgs.com

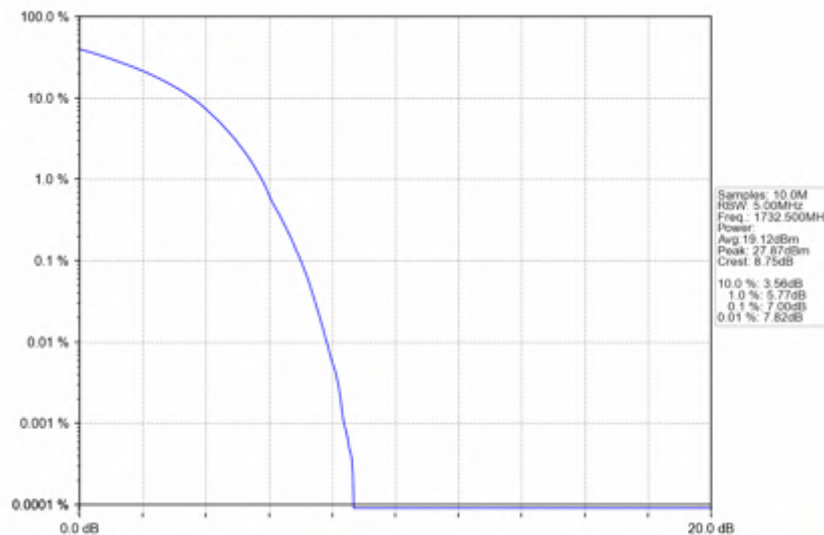
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512)57356888 (86-512)57370111 www.sgsgroup.com.cn
(86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV

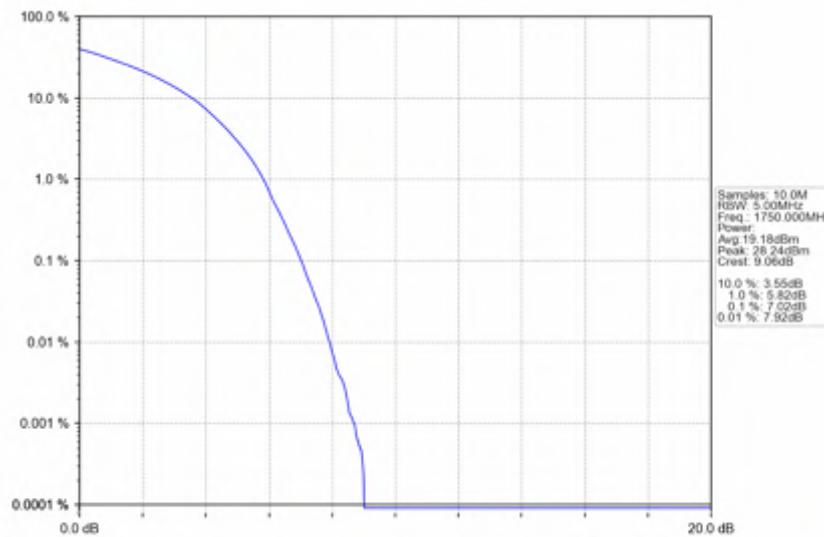


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

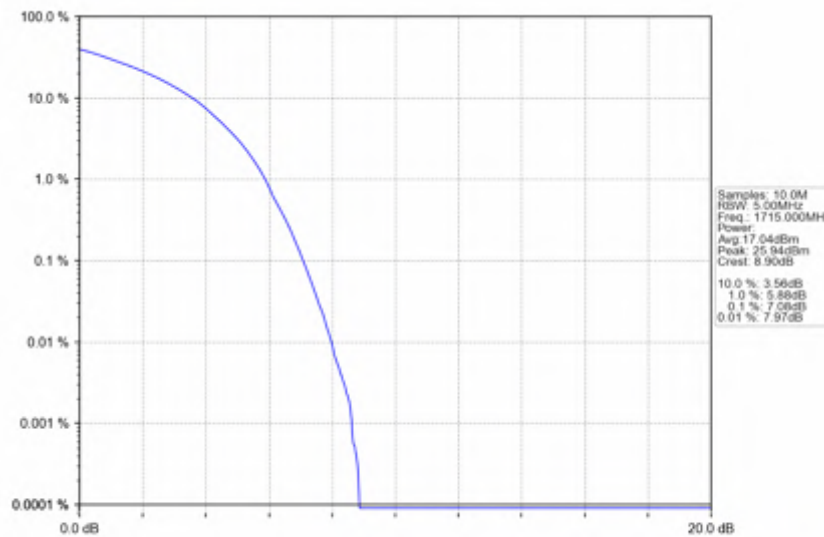
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV

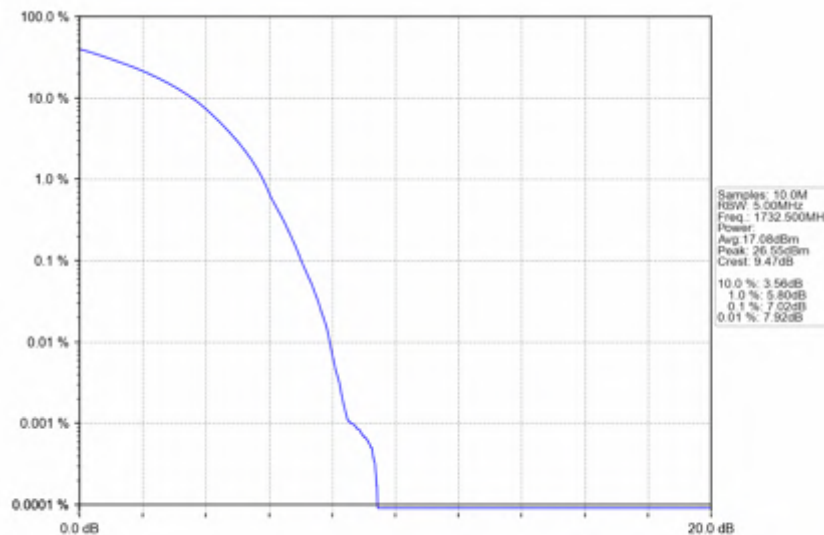


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

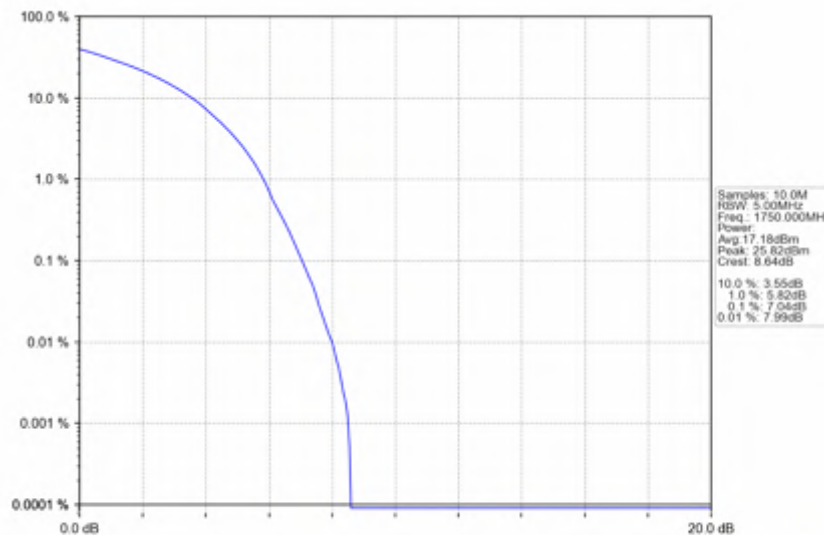
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com.

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com



2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	7.49	<=13	Pass
	1732.5	75	0	7.37	<=13	Pass
	1747.5	75	0	7.40	<=13	Pass
16QAM	1717.5	75	0	7.49	<=13	Pass
	1732.5	75	0	7.37	<=13	Pass
	1747.5	75	0	7.41	<=13	Pass
64QAM	1717.5	75	0	7.50	<=13	Pass
	1732.5	75	0	7.37	<=13	Pass
	1747.5	75	0	7.41	<=13	Pass
256QAM	1717.5	75	0	7.42	<=13	Pass
	1732.5	75	0	7.46	<=13	Pass
	1747.5	75	0	7.40	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

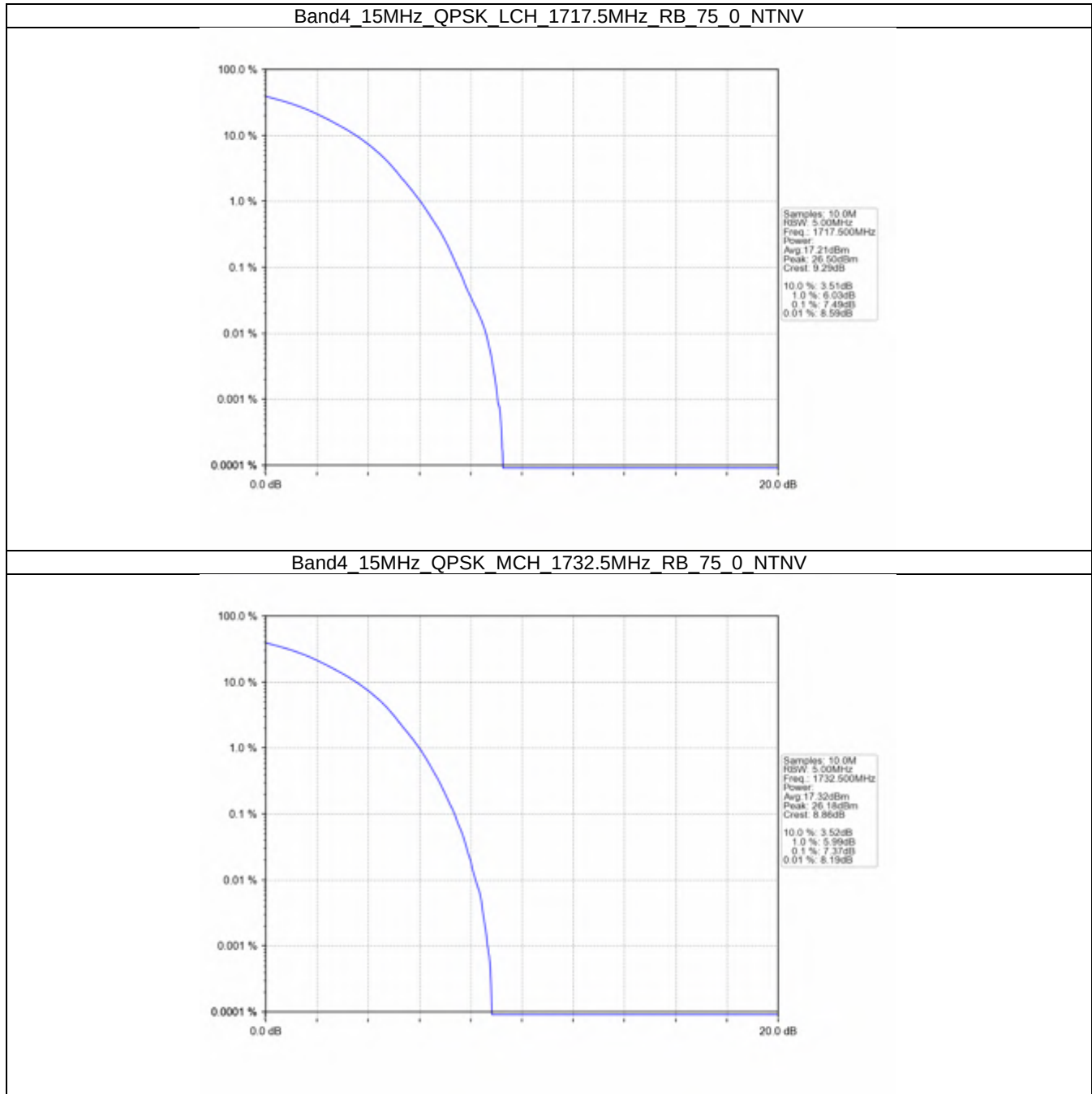
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

2.5.2 Test Graph



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 herein 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 test report 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 ensure the authenticity of testing notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

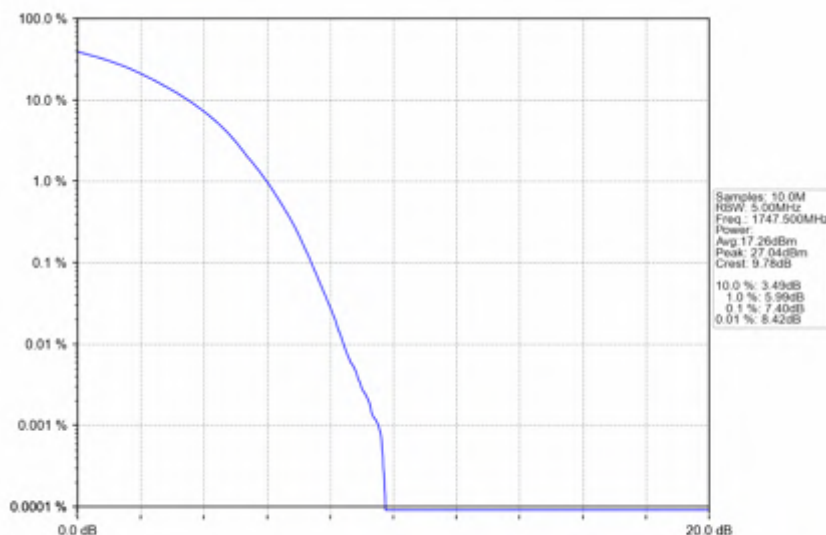
No.18, Waiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

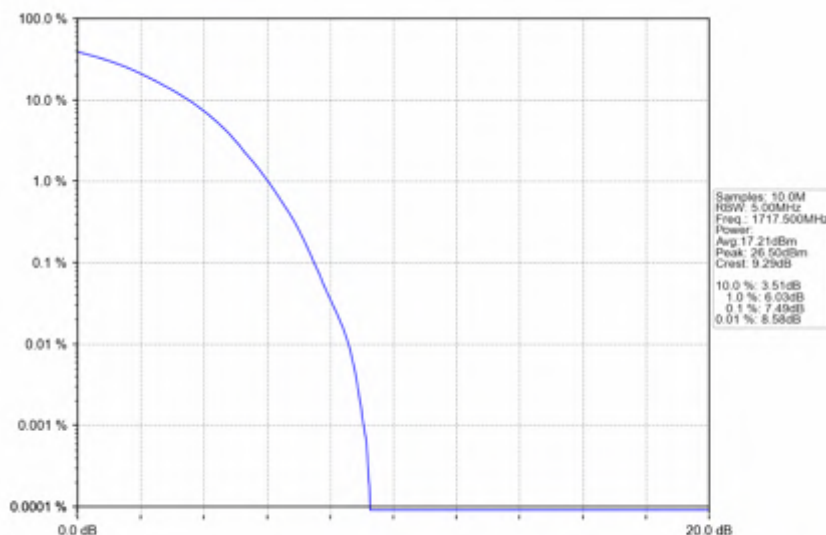
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512)99771111 or email: CN-Check@sgs.com

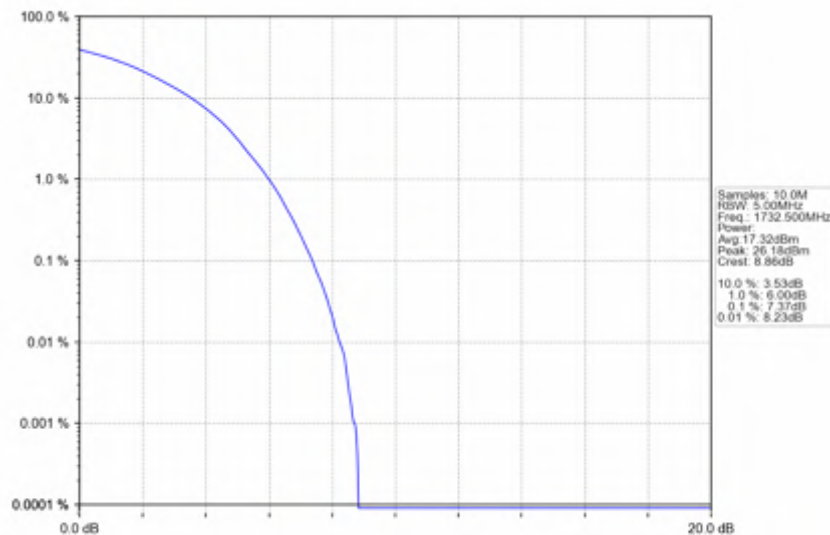
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

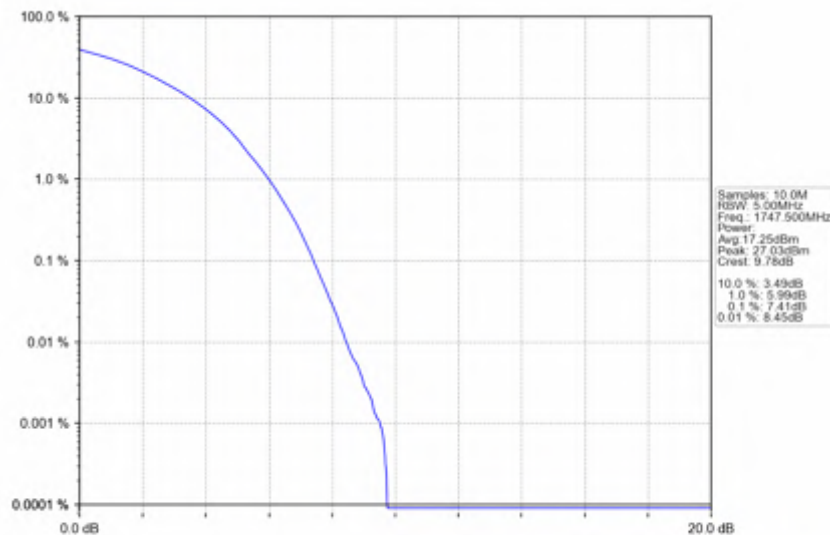
(86-512)57356888 (86-512)57370111 www.sgs.com.cn

(86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

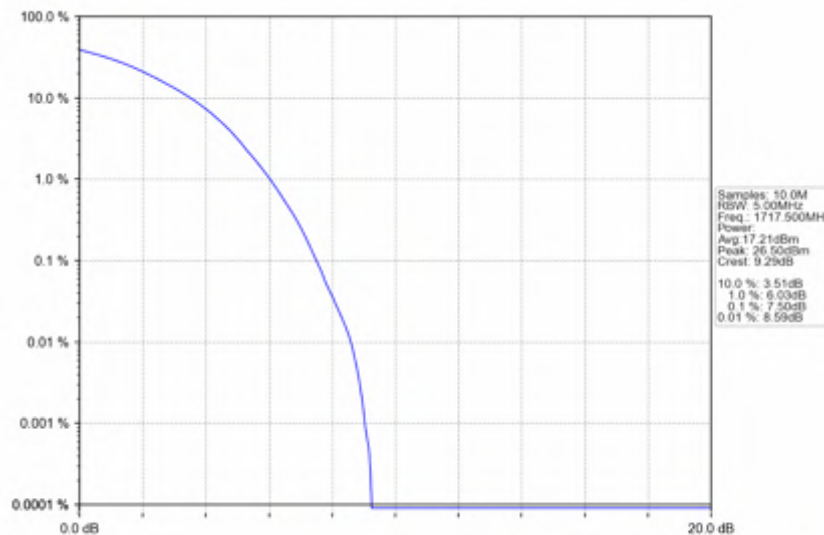
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

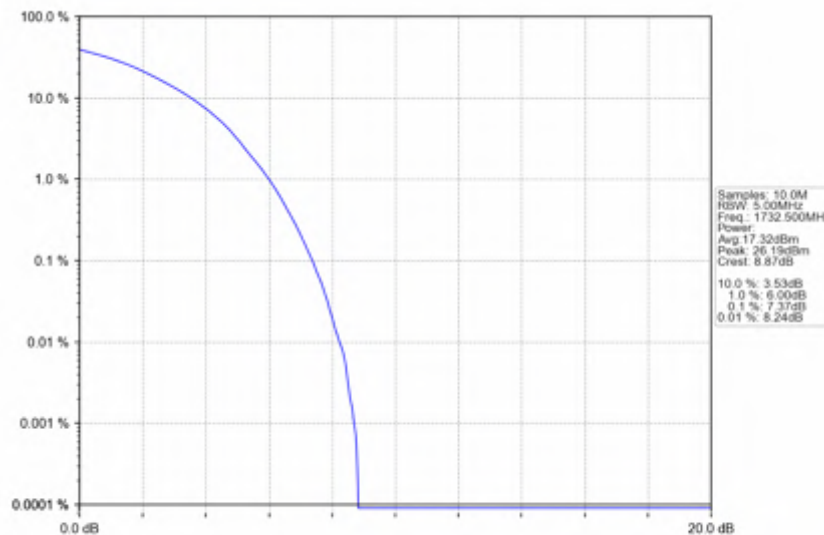
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV

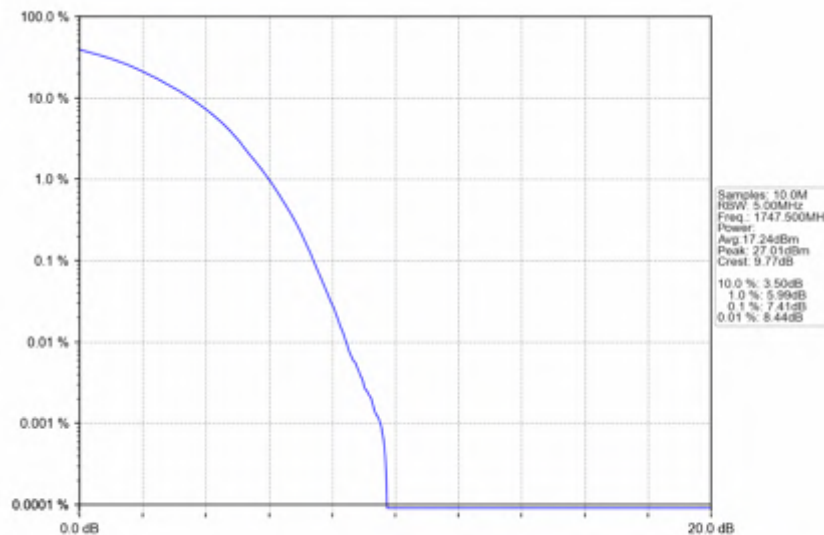


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

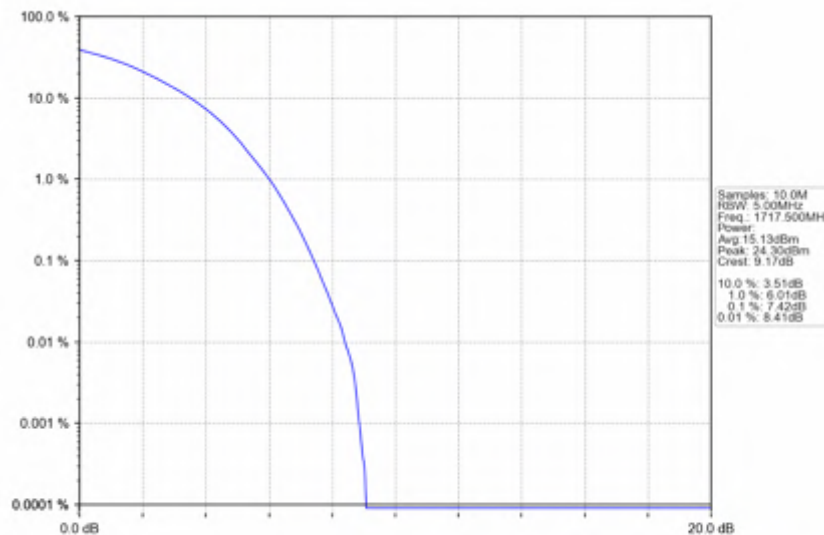
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_256QAM_LCH_1717.5MHz_RB_75_0_NTNV



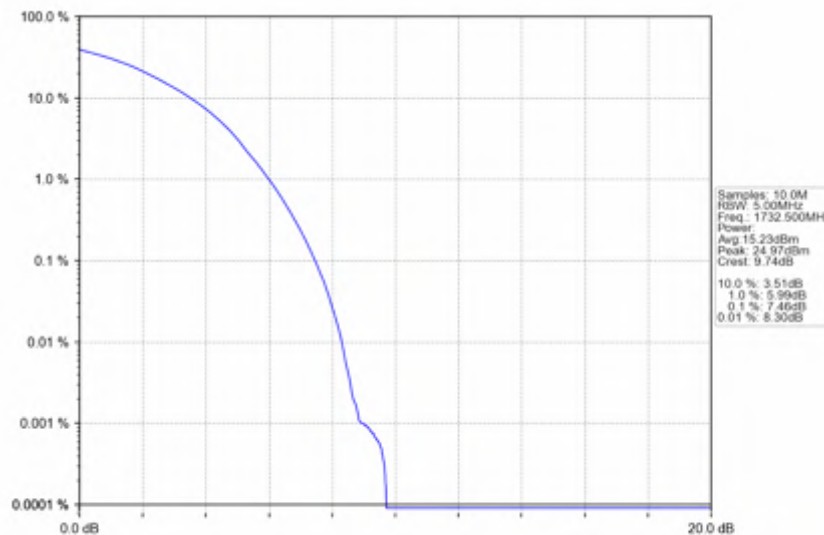
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 certification report & certificate, please contact us at telephone: (86-512)99771041 or email: CH.Official@sgs.com

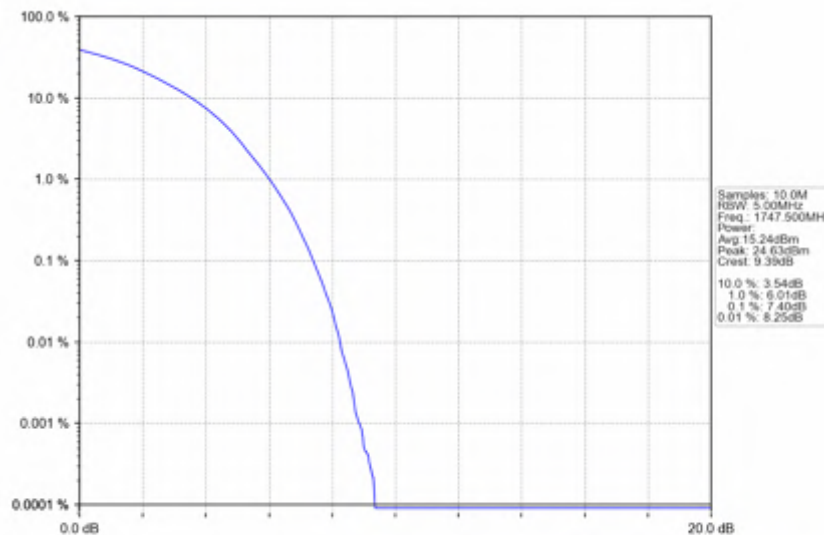
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

(86-512)57350888 (86-512)57370111 www.sgsgroup.com.cn
(86-512)57350883 (86-512)57370111 sgs.china@sgs.com

Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_256QAM_HCH_1747.5MHz_RB_75_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com



2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	7.66	<=13	Pass
	1732.5	100	0	7.58	<=13	Pass
	1745	100	0	7.62	<=13	Pass
16QAM	1720	100	0	7.66	<=13	Pass
	1732.5	100	0	7.58	<=13	Pass
	1745	100	0	7.62	<=13	Pass
64QAM	1720	100	0	7.66	<=13	Pass
	1732.5	100	0	7.58	<=13	Pass
	1745	100	0	7.62	<=13	Pass
256QAM	1720	100	0	7.63	<=13	Pass
	1732.5	100	0	7.58	<=13	Pass
	1745	100	0	7.66	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

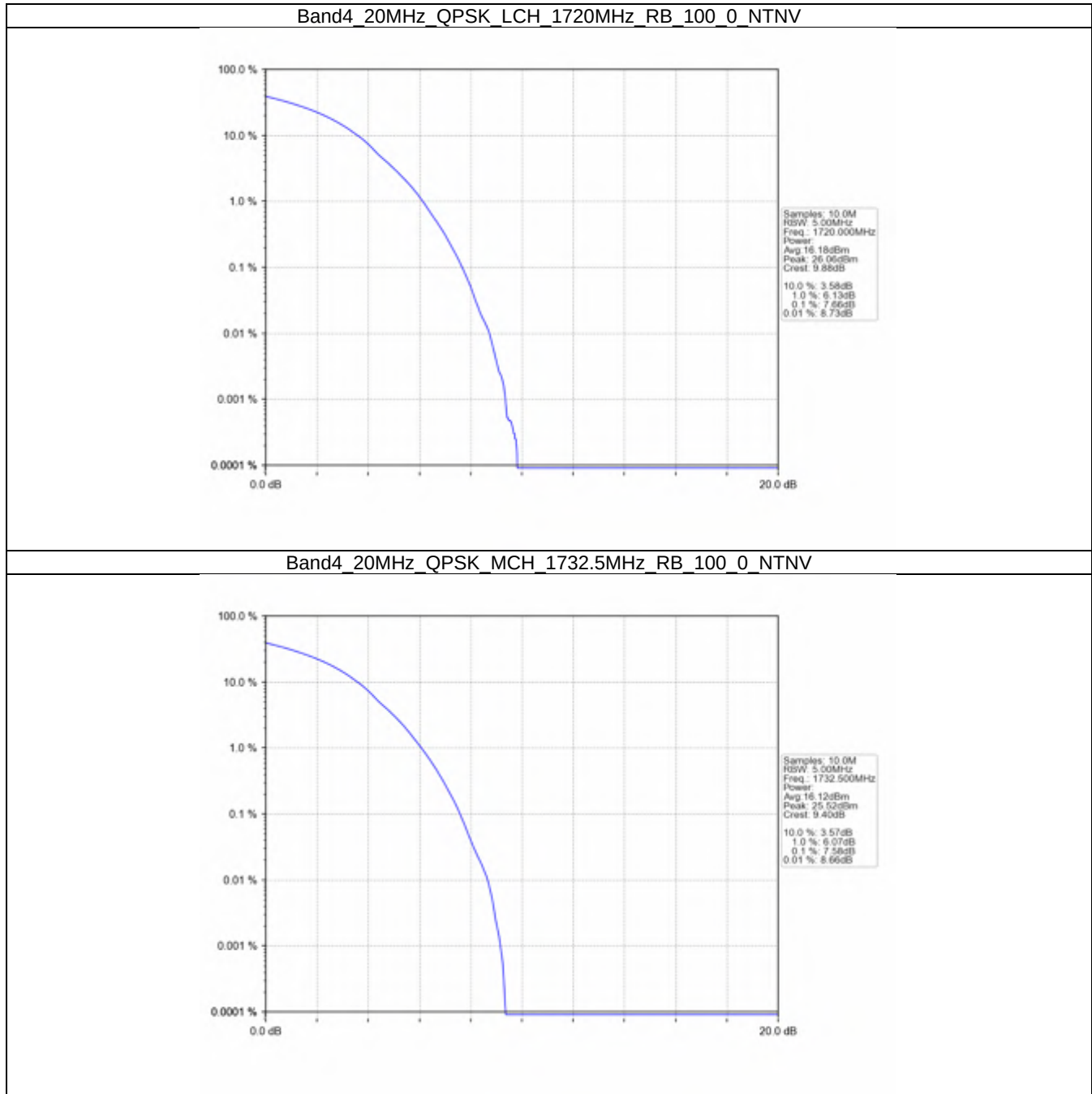
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

2.6.2 Test Graph



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 herein 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 test report 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

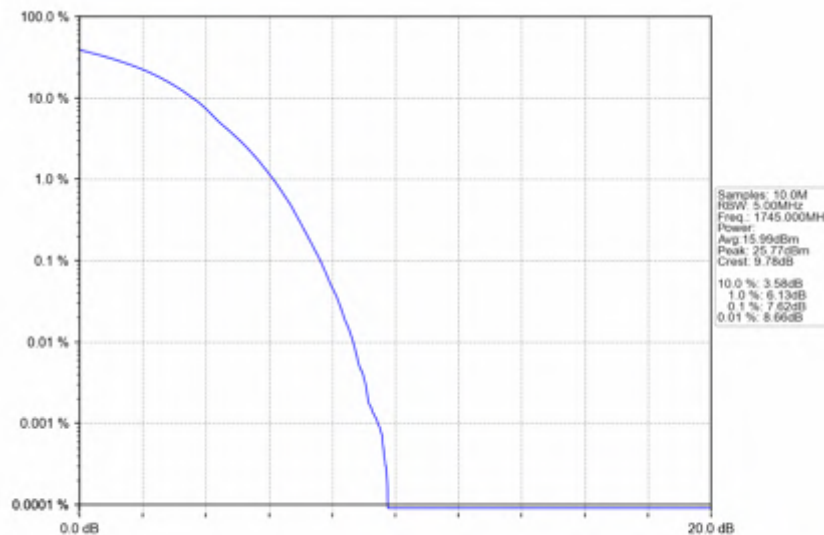
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

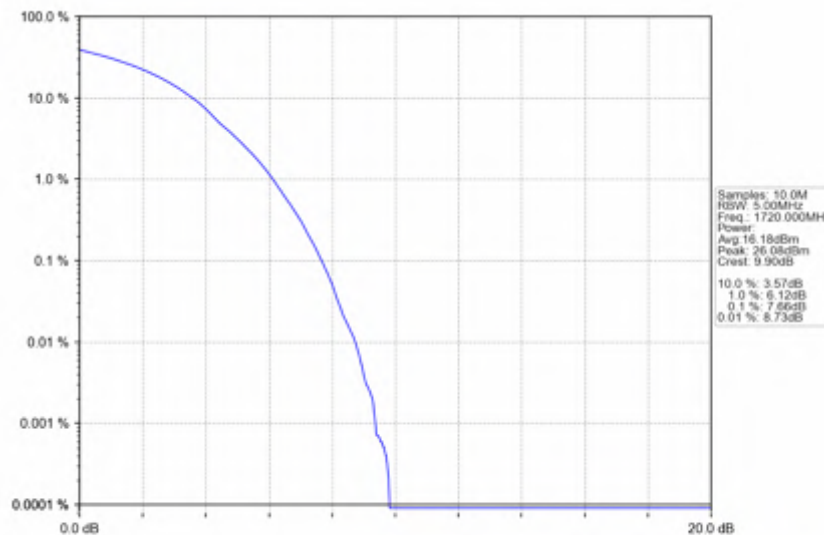
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

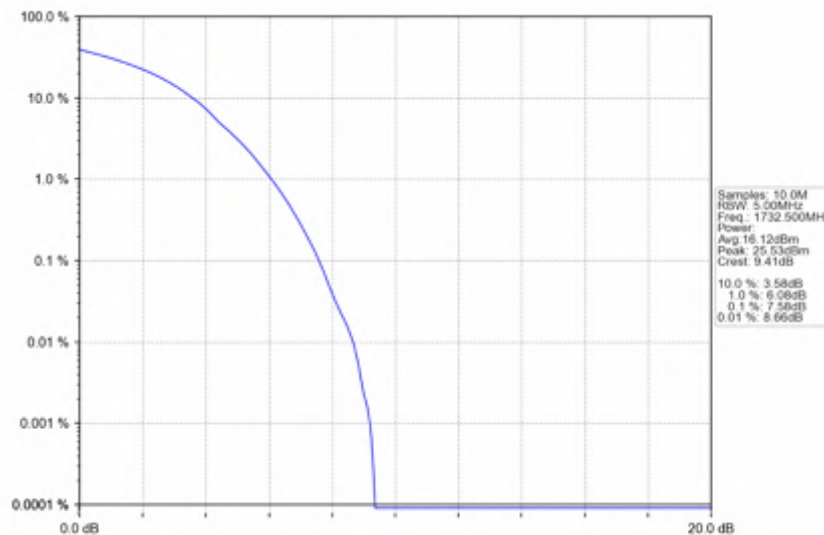


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

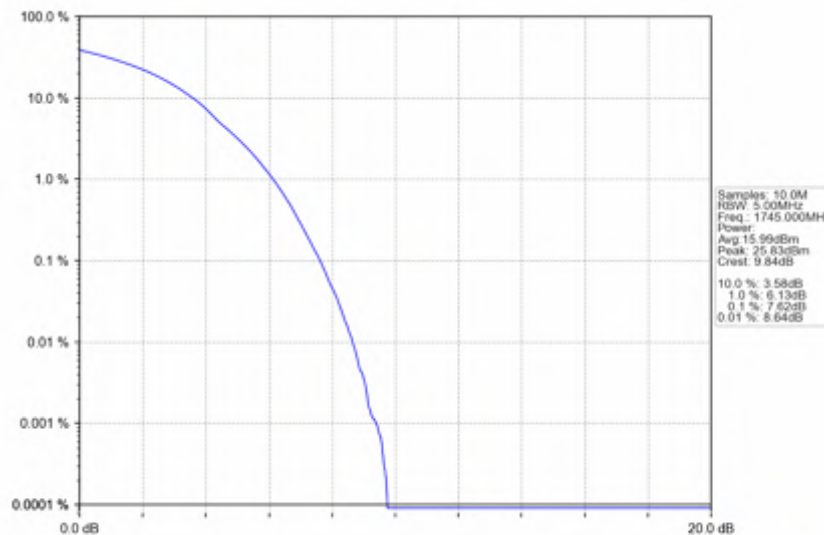
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

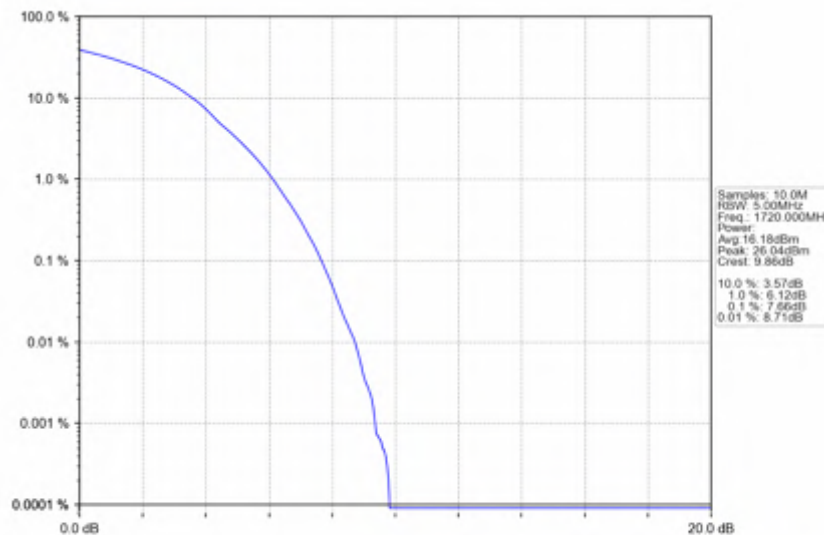


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

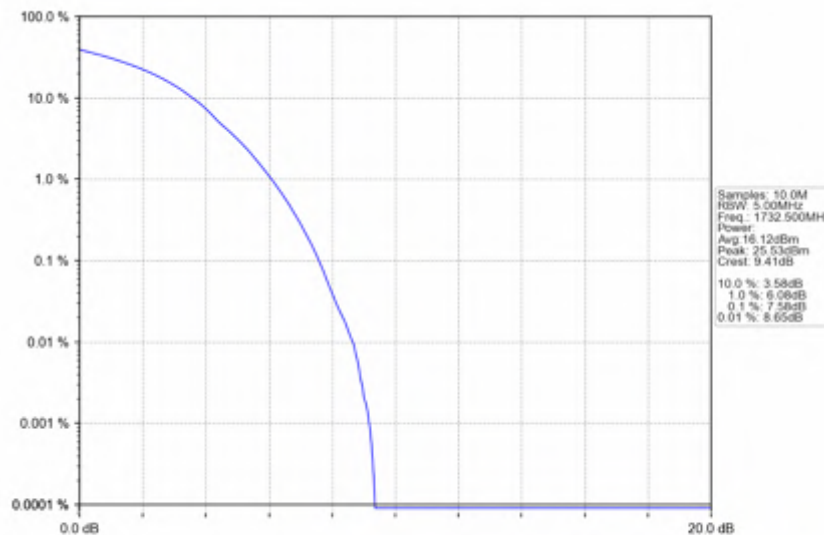
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

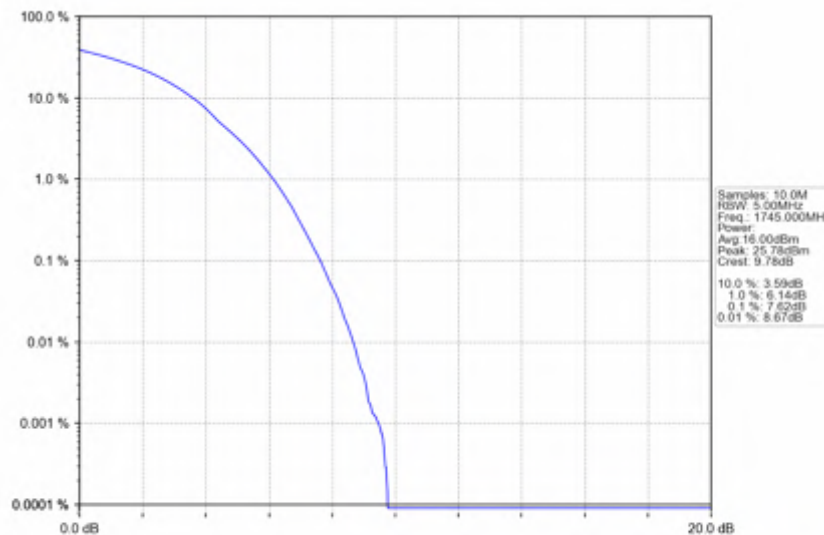


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512)99771111
 or email: CN-Check@sgs.com

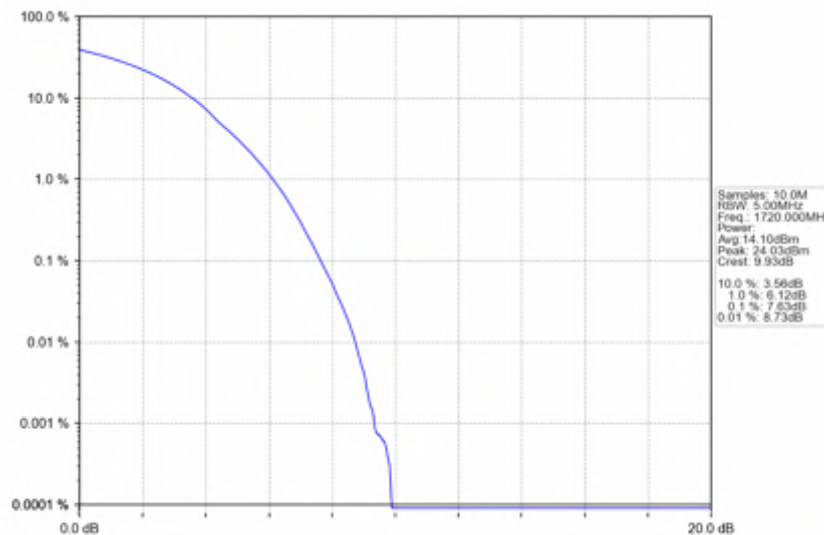
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512)57350888 (86-512)57370111 www.sgs.com.cn
 (86-512)57350888 (86-512)57370111 sgs.china@sgs.com

Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

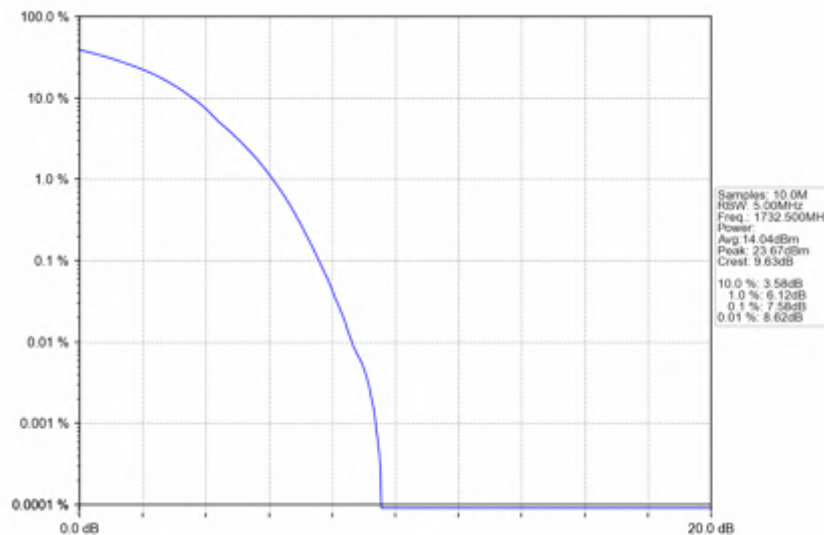
(86-512) 57355888

(86-512) 57370011

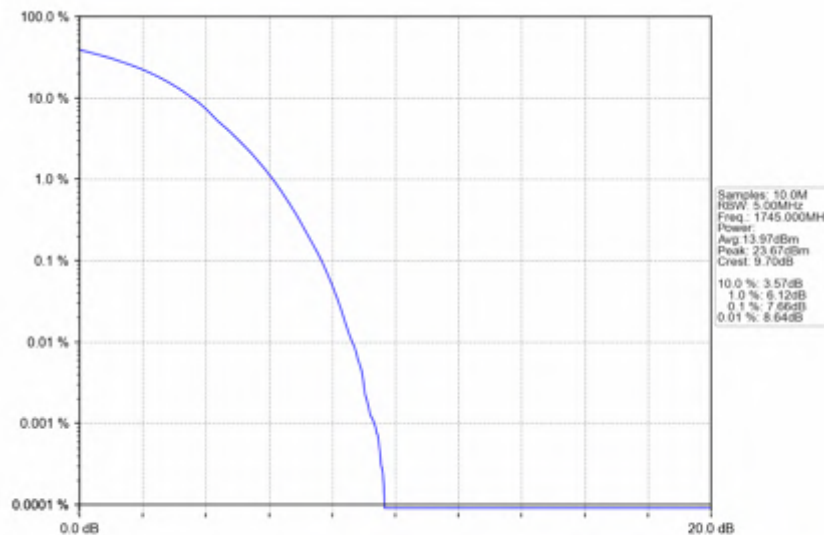
www.sgs.com.cn

sgs.china@sgs.com

Band4_20MHz_256QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_100_0_NTNV



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 herein 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 notification report & certificates, please contact us at telephone: (86-512)99770011 or email: CN-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512)57350888

(86-512)57370011

www.sgs.com.cn

sgs.china@sgs.com



3. Peak-Average Ratio

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	6.43	<=13	Pass
	836.5	6	0	6.48	<=13	Pass
	848.3	6	0	6.31	<=13	Pass
16QAM	824.7	6	0	6.42	<=13	Pass
	836.5	6	0	6.47	<=13	Pass
	848.3	6	0	6.32	<=13	Pass
64QAM	824.7	6	0	6.41	<=13	Pass
	836.5	6	0	6.47	<=13	Pass
	848.3	6	0	6.32	<=13	Pass
256QAM	824.7	6	0	6.73	<=13	Pass
	836.5	6	0	6.89	<=13	Pass
	848.3	6	0	6.76	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

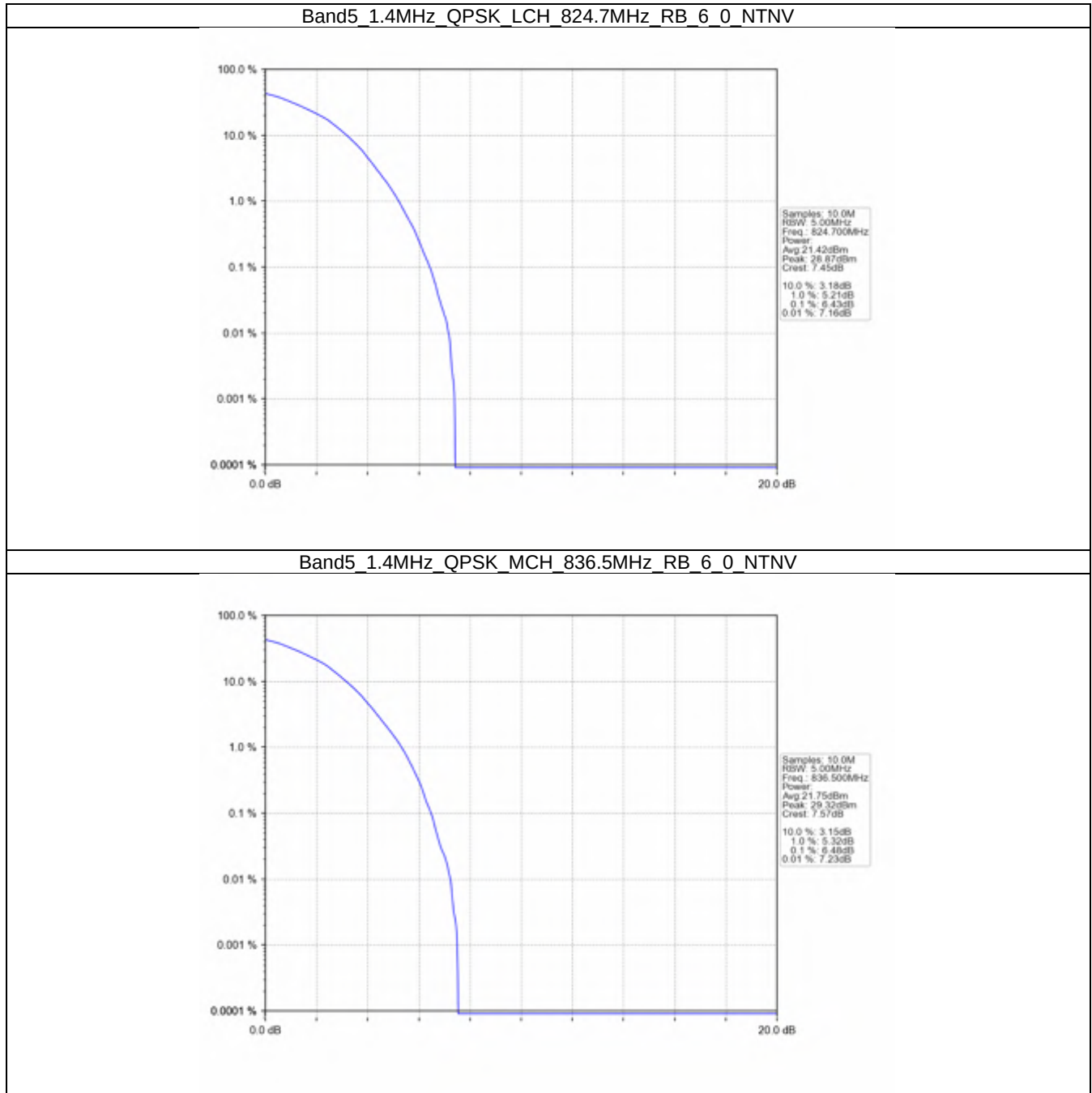
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

3.1.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

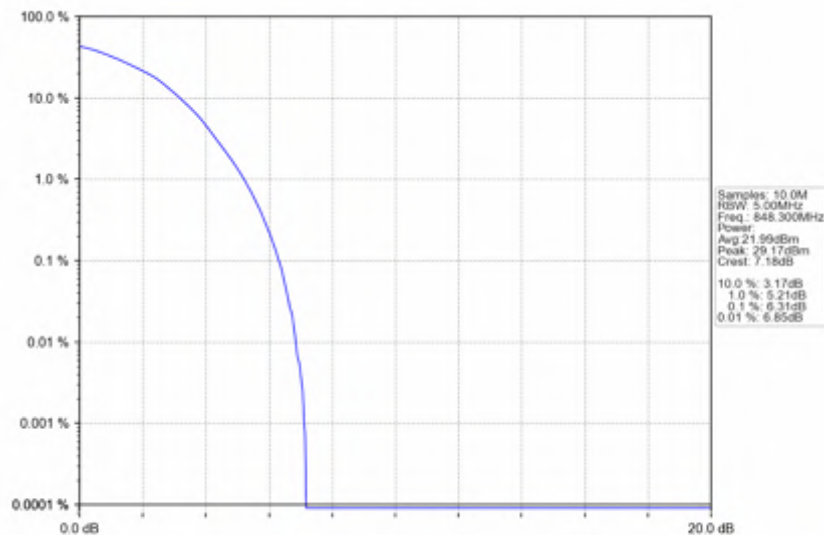
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

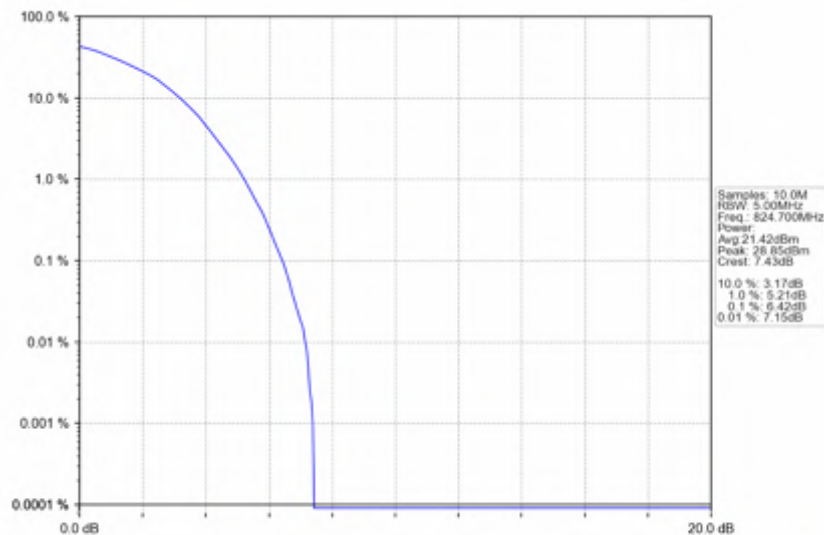
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

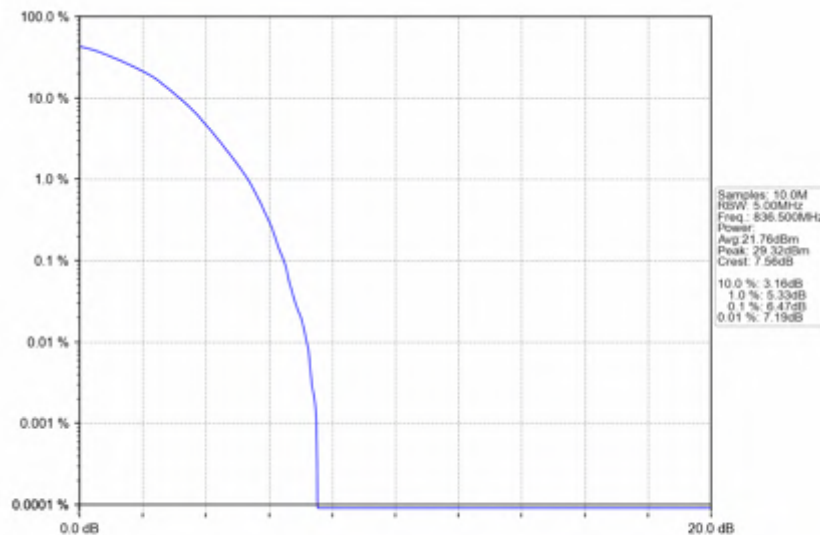


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

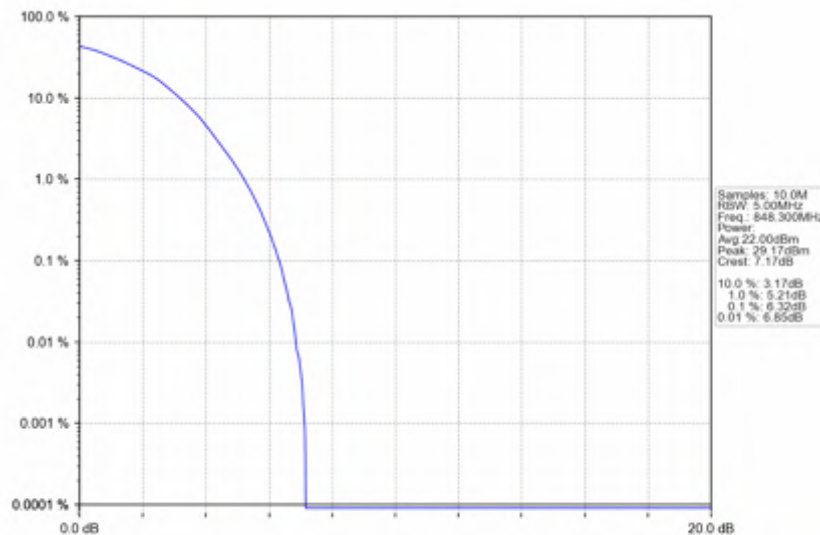
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

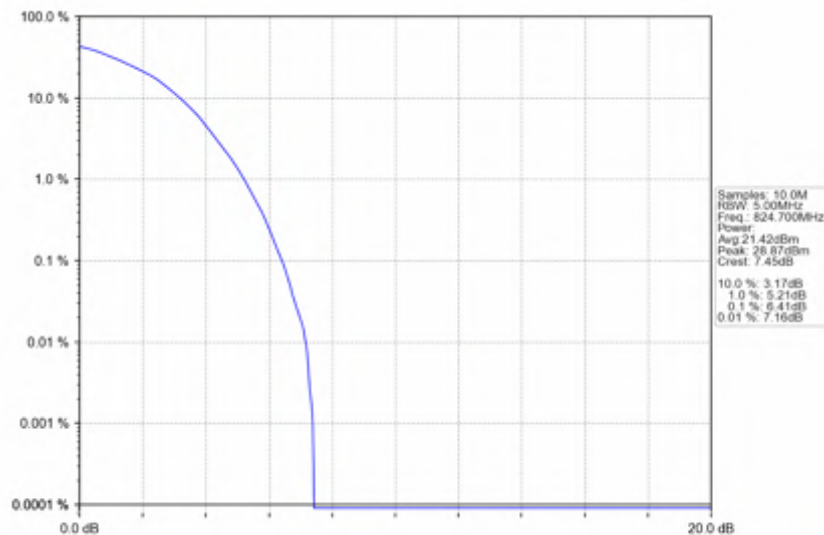
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

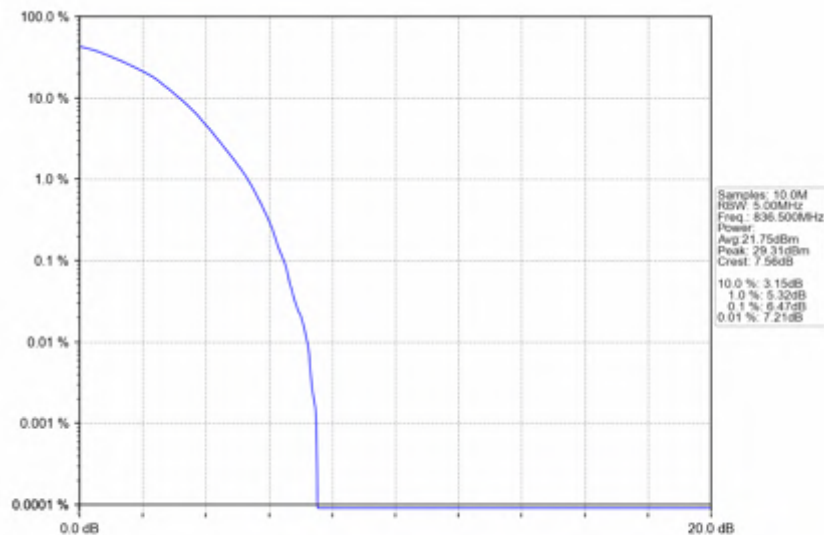
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com.

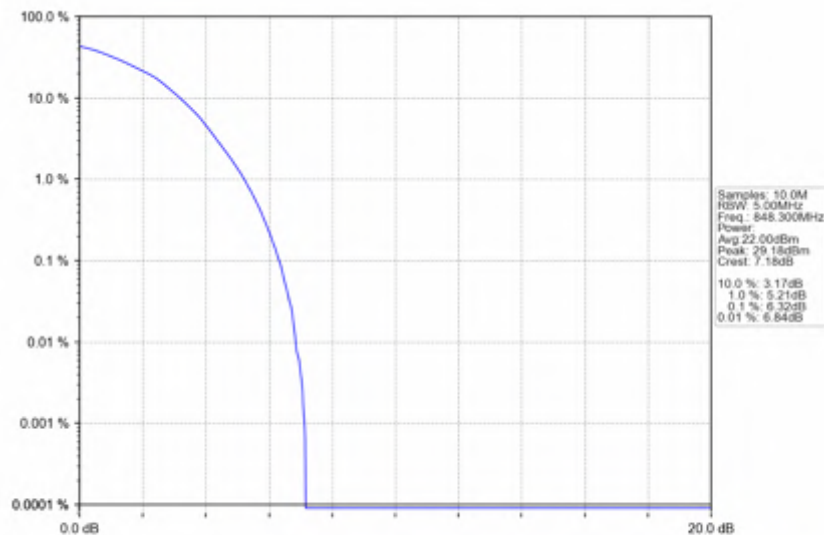
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

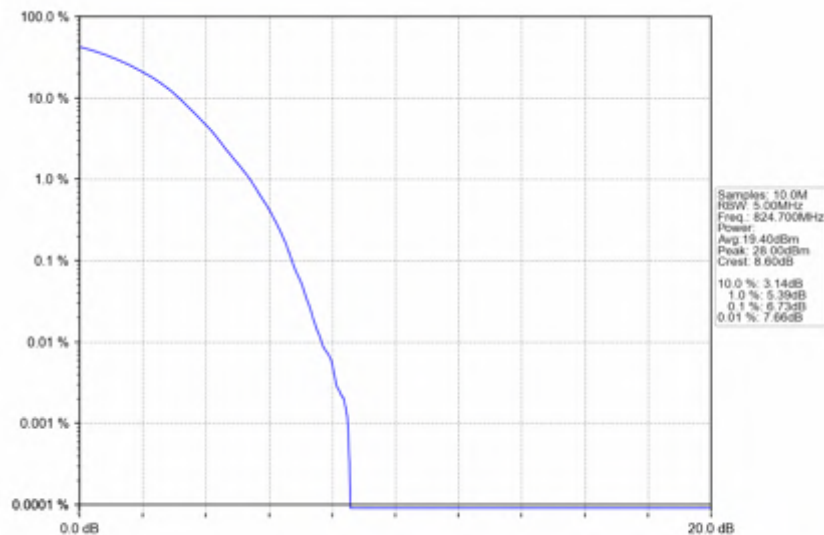
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_256QAM_LCH_824.7MHz_RB_6_0_NTNV



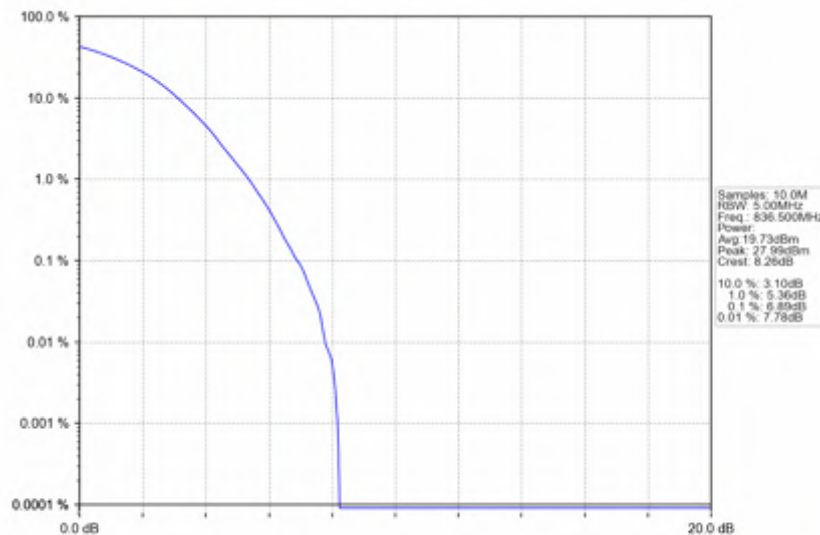
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

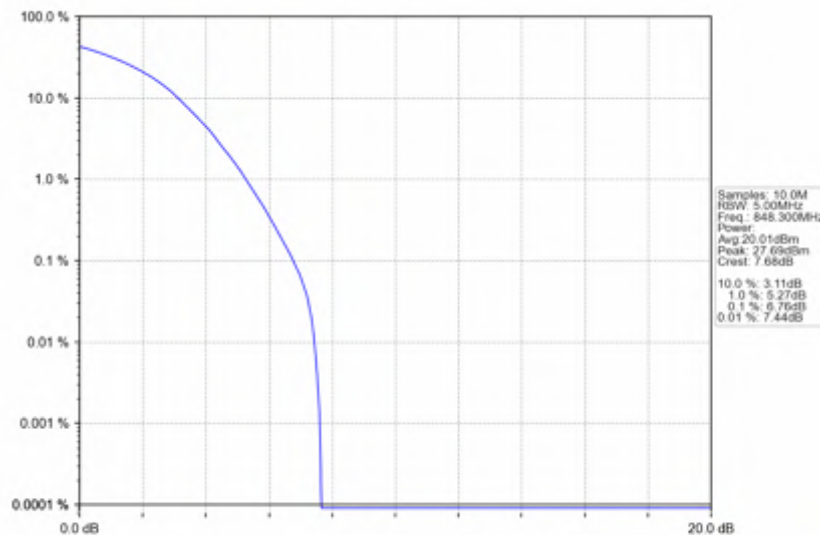
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_256QAM_HCH_848.3MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	6.54	<=13	Pass
	836.5	15	0	6.53	<=13	Pass
	847.5	15	0	6.32	<=13	Pass
16QAM	825.5	15	0	6.53	<=13	Pass
	836.5	15	0	6.53	<=13	Pass
	847.5	15	0	6.32	<=13	Pass
64QAM	825.5	15	0	6.54	<=13	Pass
	836.5	15	0	6.53	<=13	Pass
	847.5	15	0	6.30	<=13	Pass
256QAM	825.5	15	0	6.89	<=13	Pass
	836.5	15	0	6.78	<=13	Pass
	847.5	15	0	6.79	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

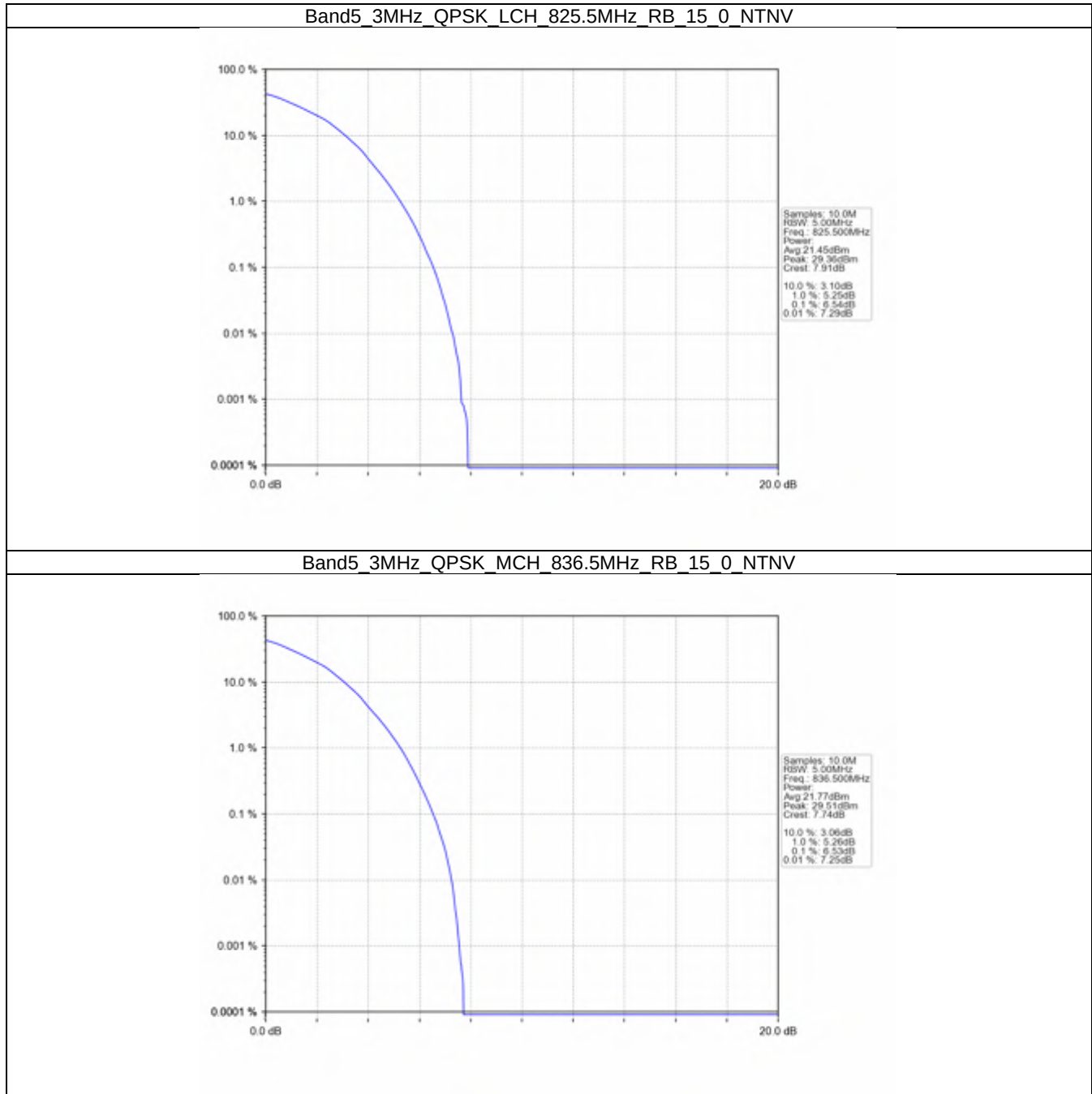
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

3.2.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

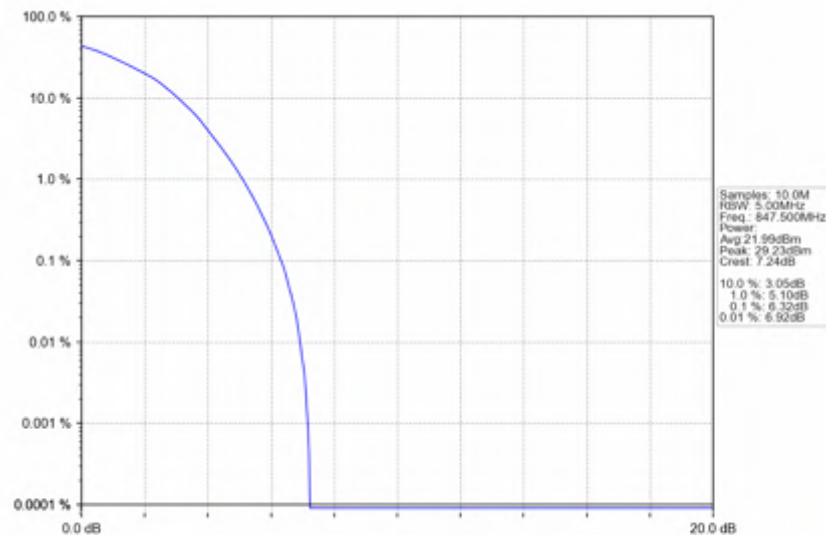
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

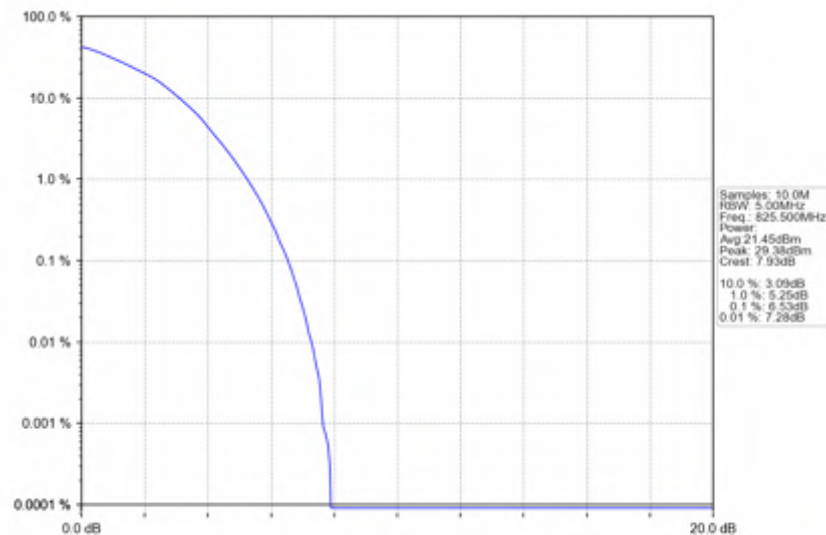
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



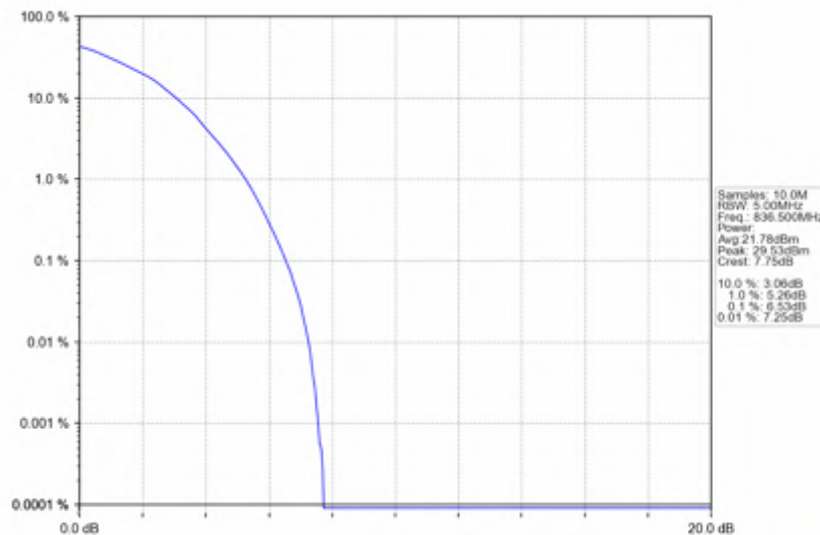
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

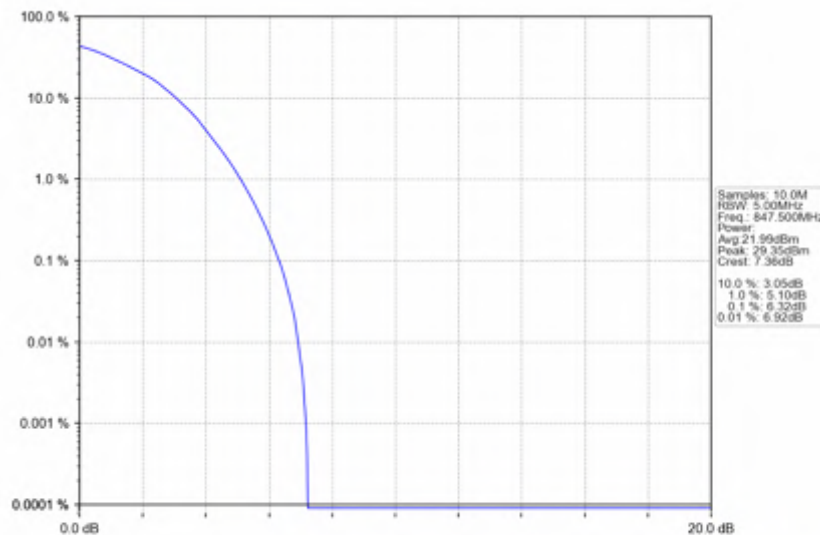
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

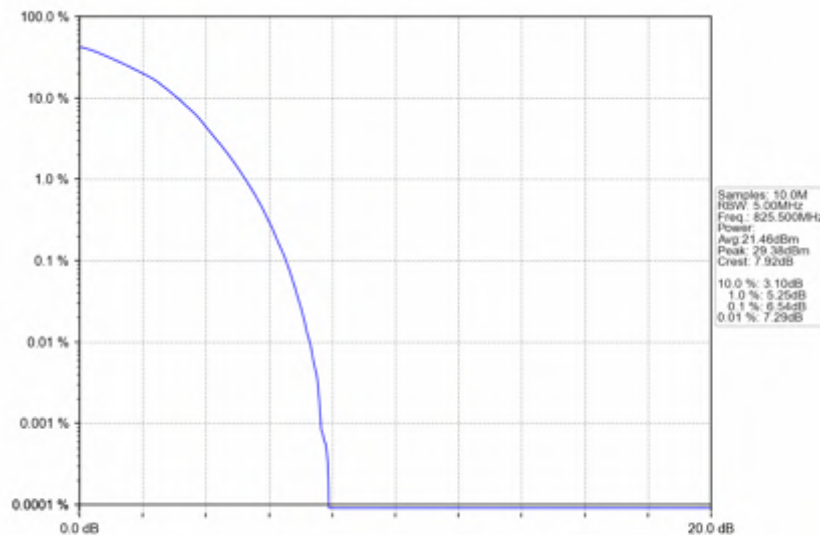


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

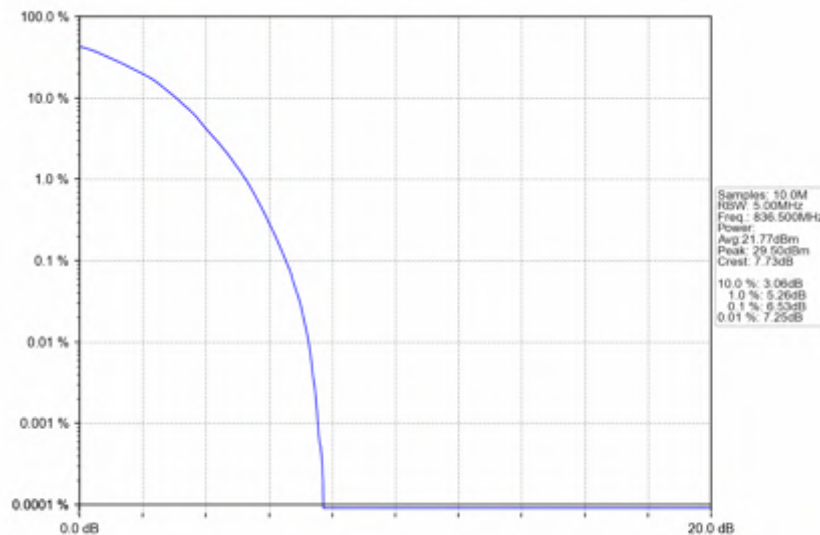
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV

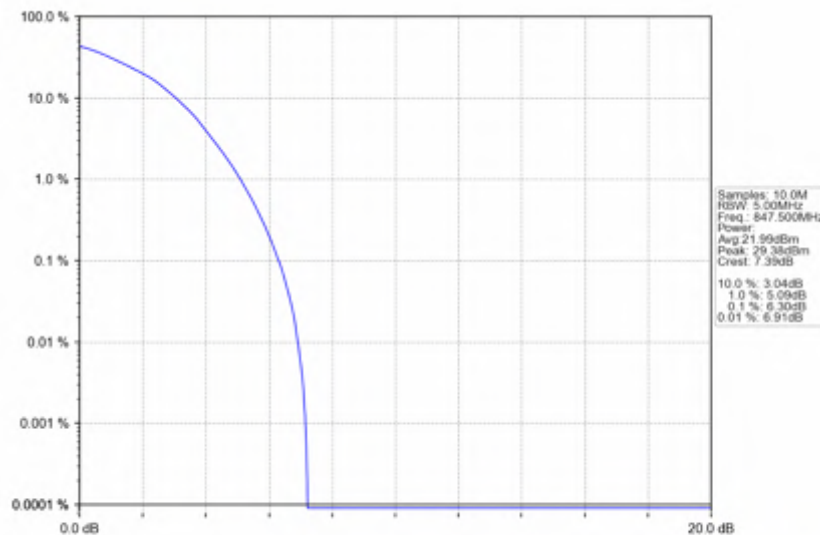


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

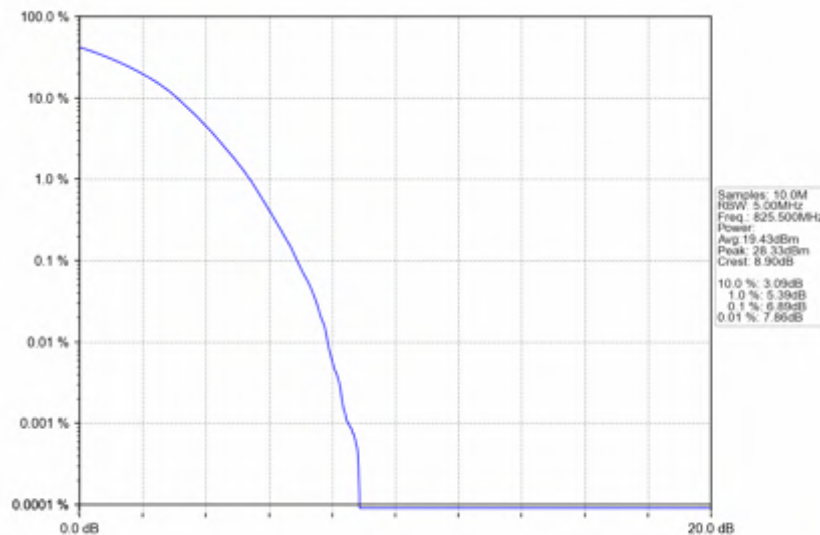
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_256QAM_LCH_825.5MHz_RB_15_0_NTNV

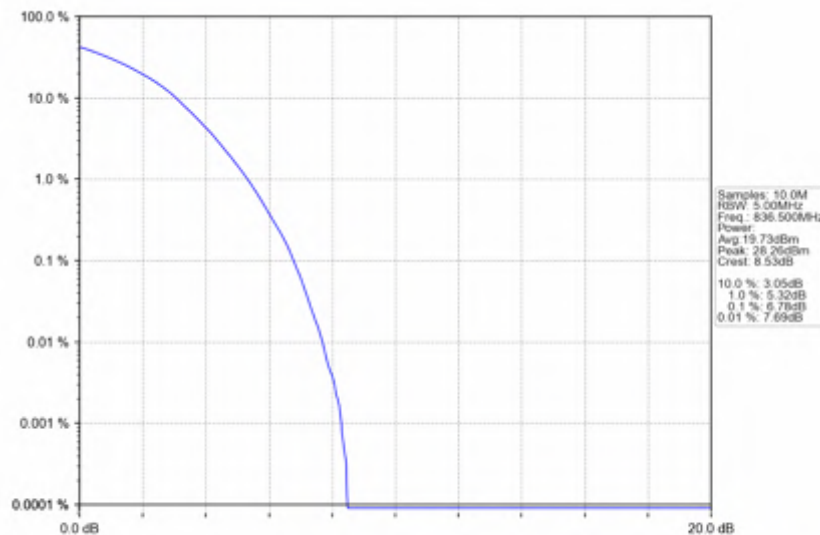


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

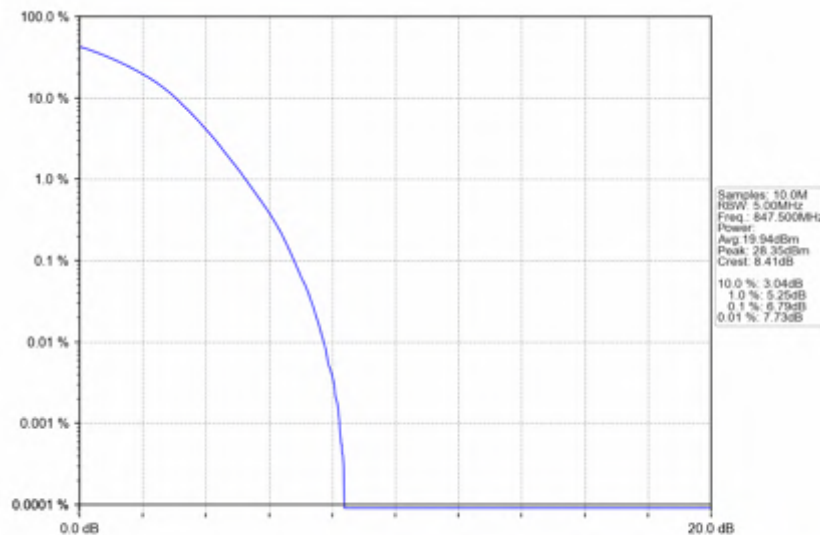
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_256QAM_HCH_847.5MHz_RB_15_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	6.49	<=13	Pass
	836.5	25	0	6.52	<=13	Pass
	846.5	25	0	6.31	<=13	Pass
16QAM	826.5	25	0	6.50	<=13	Pass
	836.5	25	0	6.52	<=13	Pass
	846.5	25	0	6.30	<=13	Pass
64QAM	826.5	25	0	6.50	<=13	Pass
	836.5	25	0	6.53	<=13	Pass
	846.5	25	0	6.32	<=13	Pass
256QAM	826.5	25	0	6.75	<=13	Pass
	836.5	25	0	6.84	<=13	Pass
	846.5	25	0	6.73	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

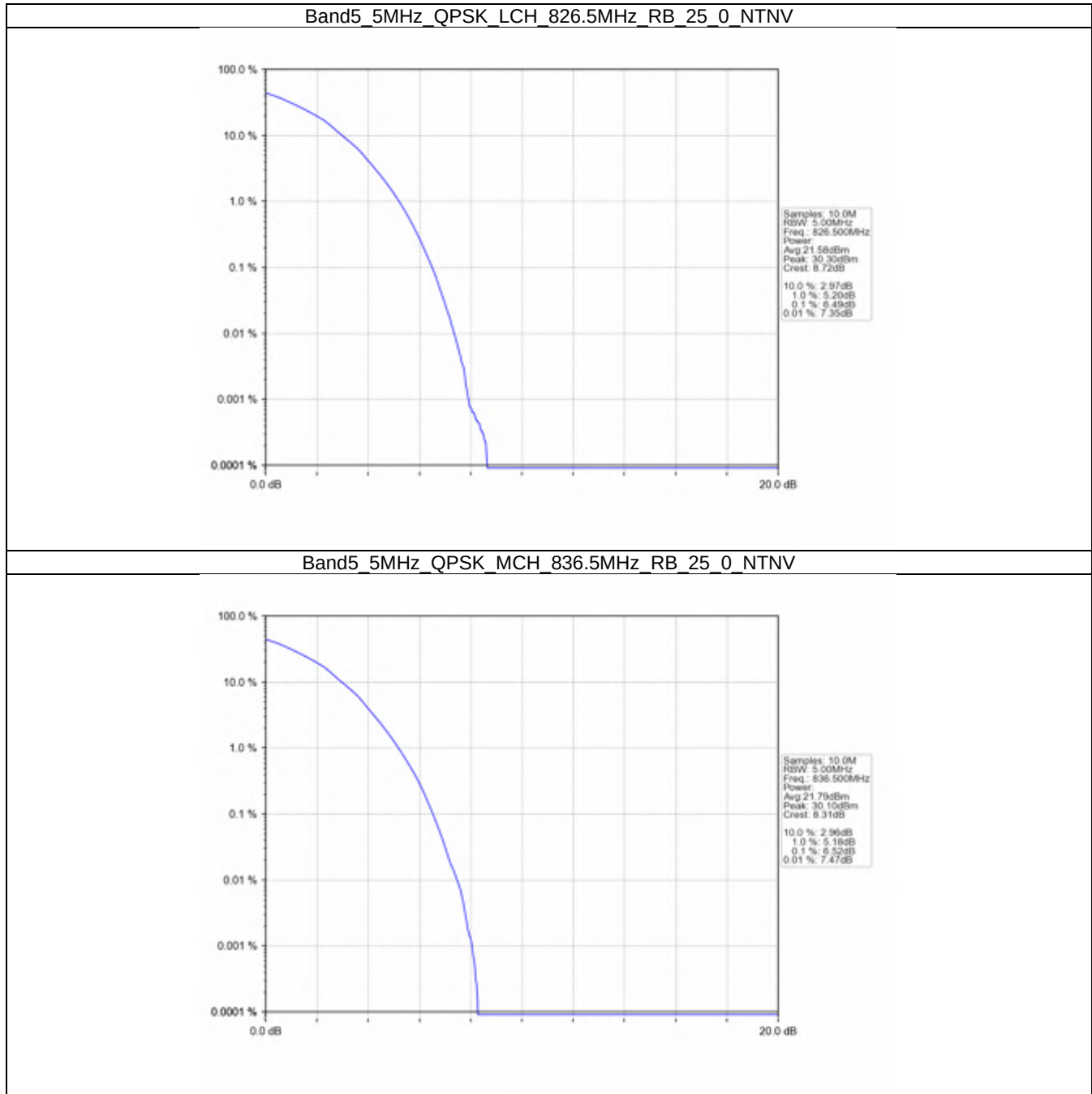
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

3.3.2 Test Graph



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 herein 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 ensure the authenticity of testing information report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

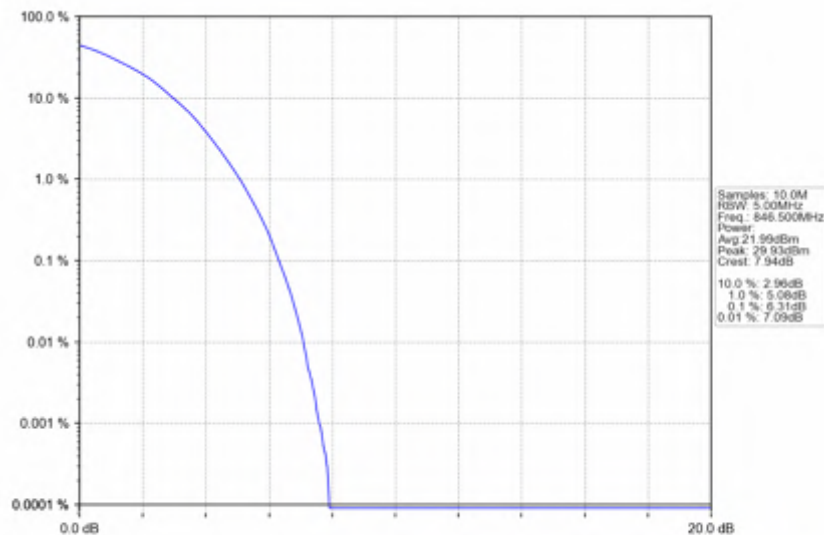
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

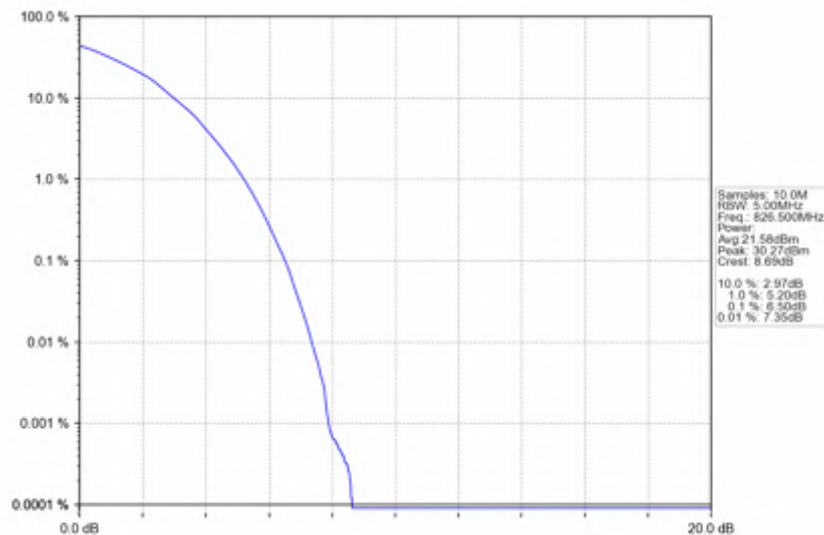
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



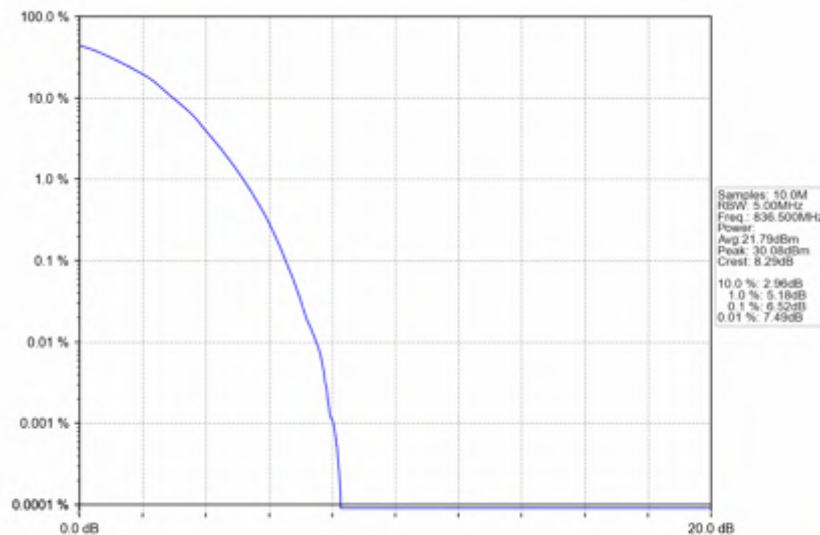
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

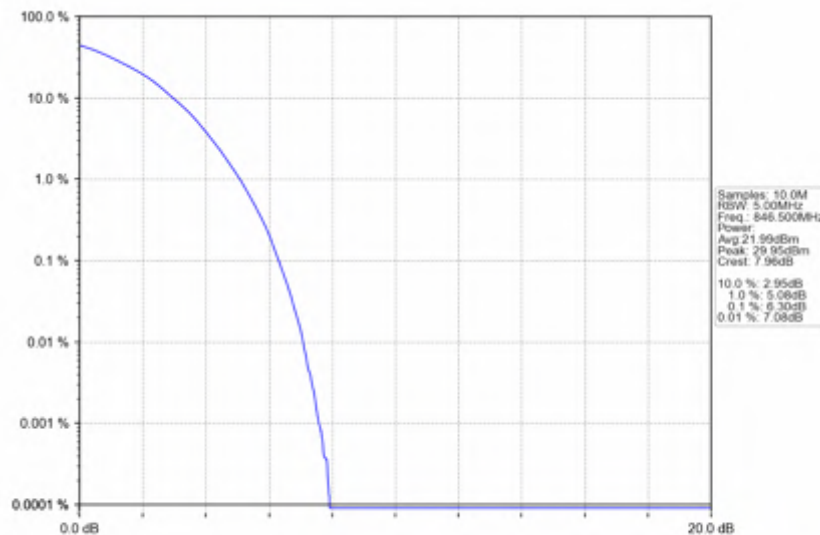
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

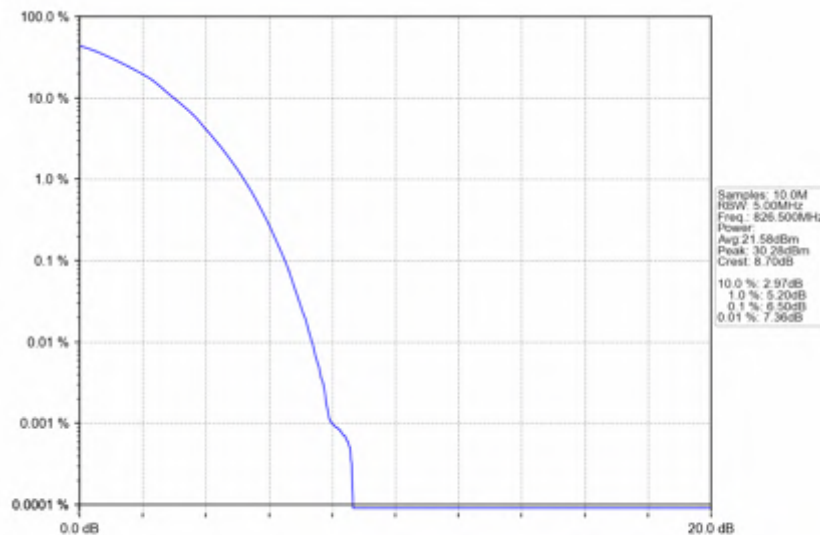
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

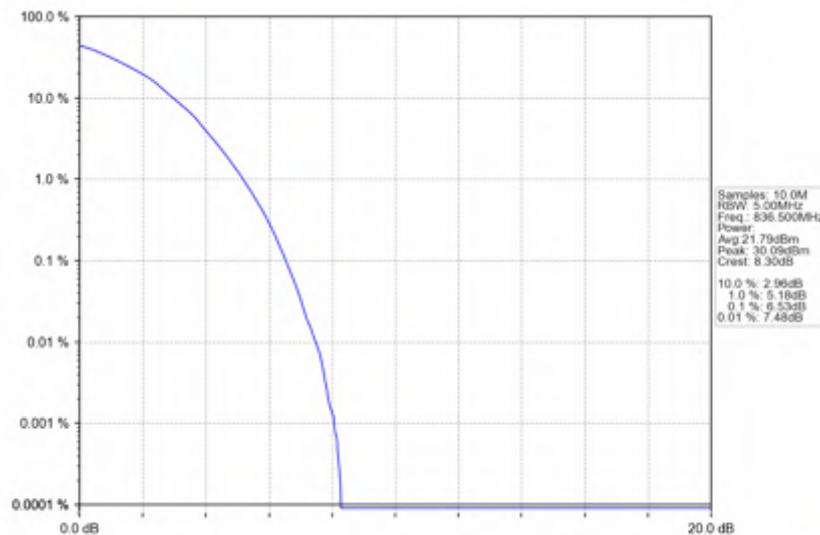
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

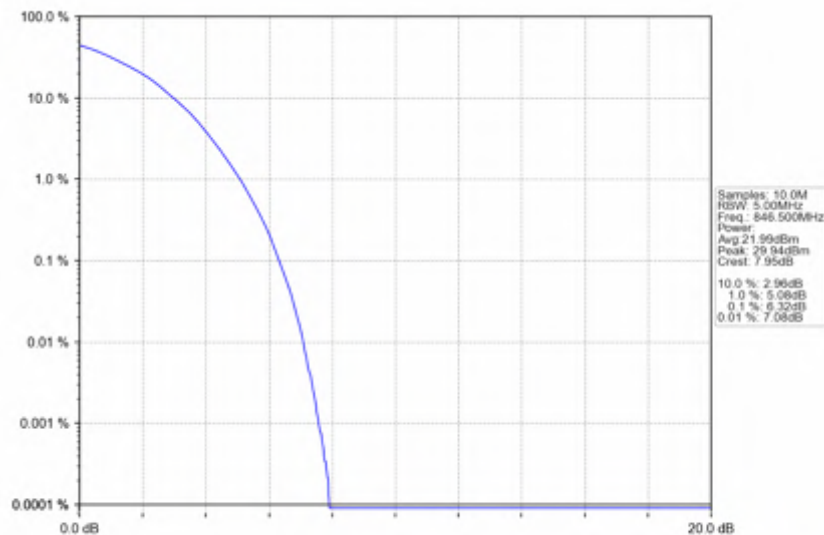


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

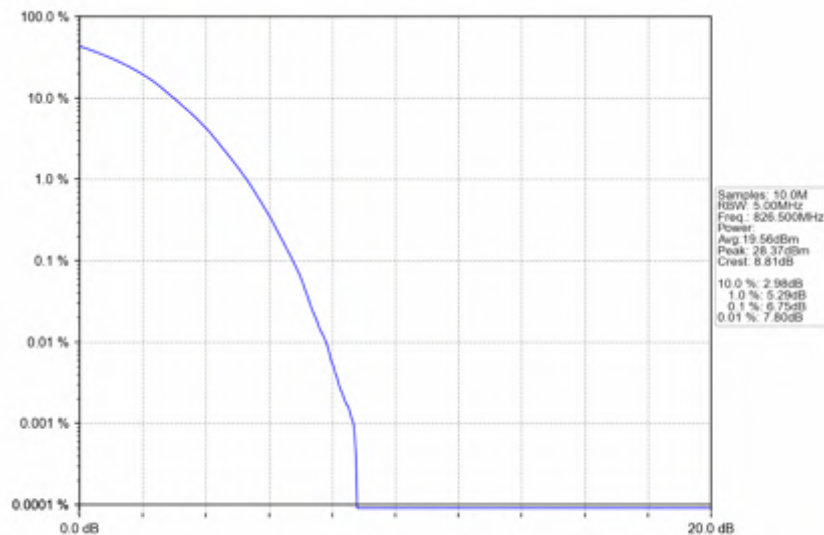
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_256QAM_LCH_826.5MHz_RB_25_0_NTNV

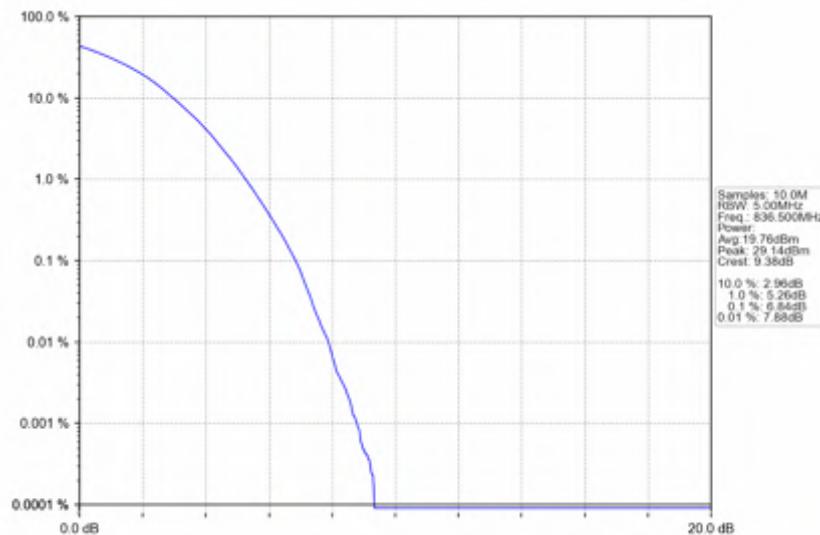


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

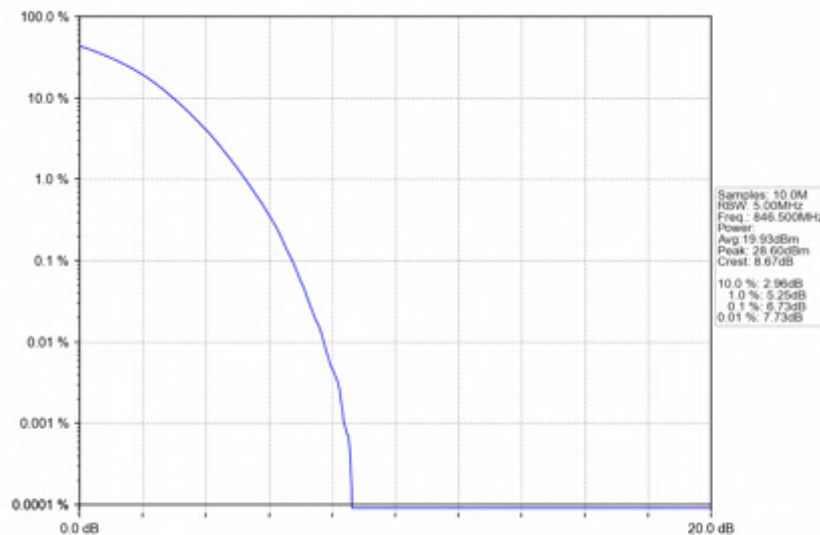
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_256QAM_HCH_846.5MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路10号 邮编 215300

0086-51257350888 0086-51257370011 www.sgs.com.cn

0086-51257350888 0086-51257370011 sgs.china@sgs.com



3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	7.02	<=13	Pass
	836.5	50	0	7.00	<=13	Pass
	844	50	0	6.97	<=13	Pass
16QAM	829	50	0	7.04	<=13	Pass
	836.5	50	0	7.01	<=13	Pass
	844	50	0	6.96	<=13	Pass
64QAM	829	50	0	7.03	<=13	Pass
	836.5	50	0	7.00	<=13	Pass
	844	50	0	6.96	<=13	Pass
256QAM	829	50	0	7.07	<=13	Pass
	836.5	50	0	7.02	<=13	Pass
	844	50	0	7.01	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

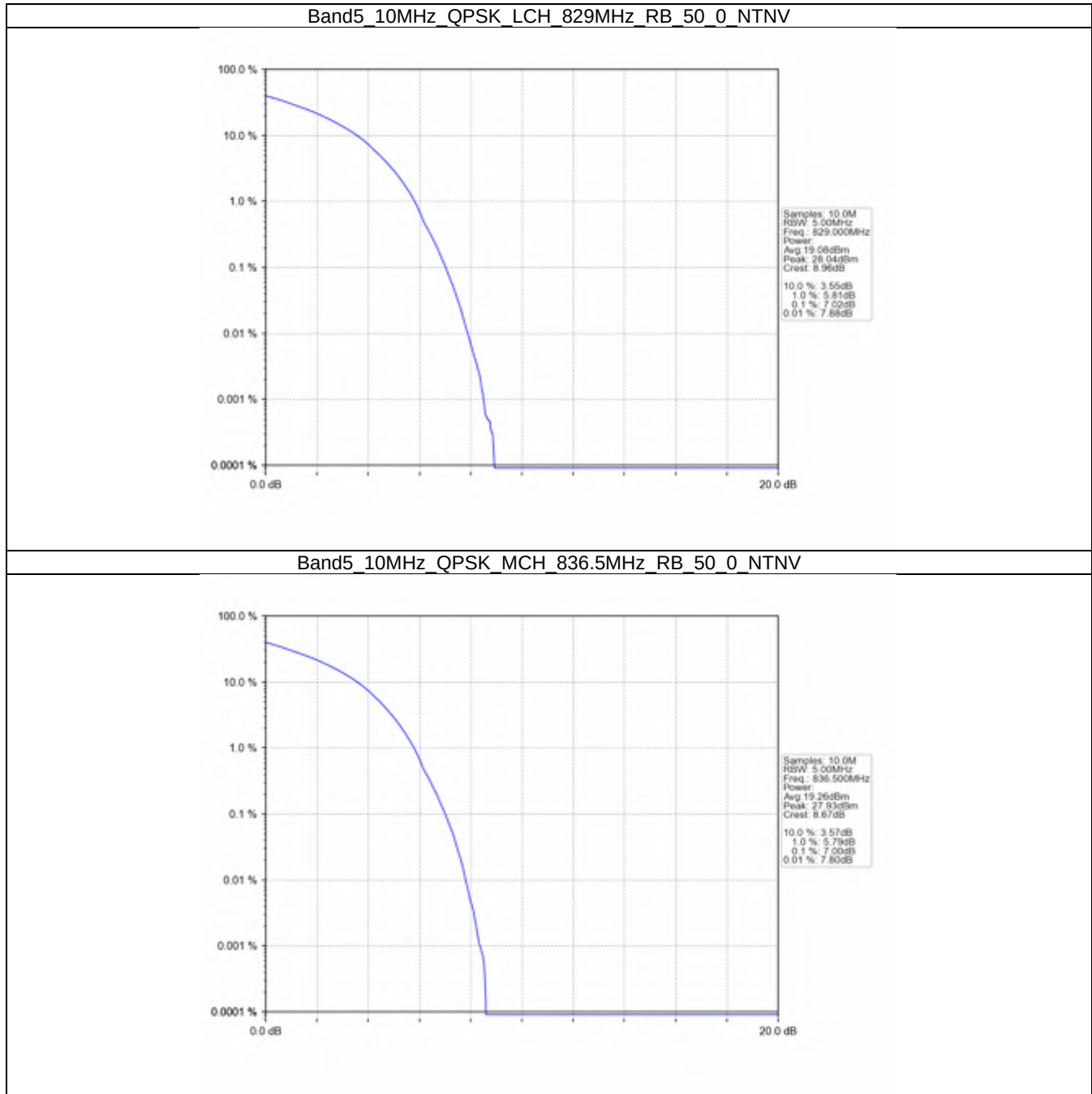
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

3.4.2 Test Graph



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

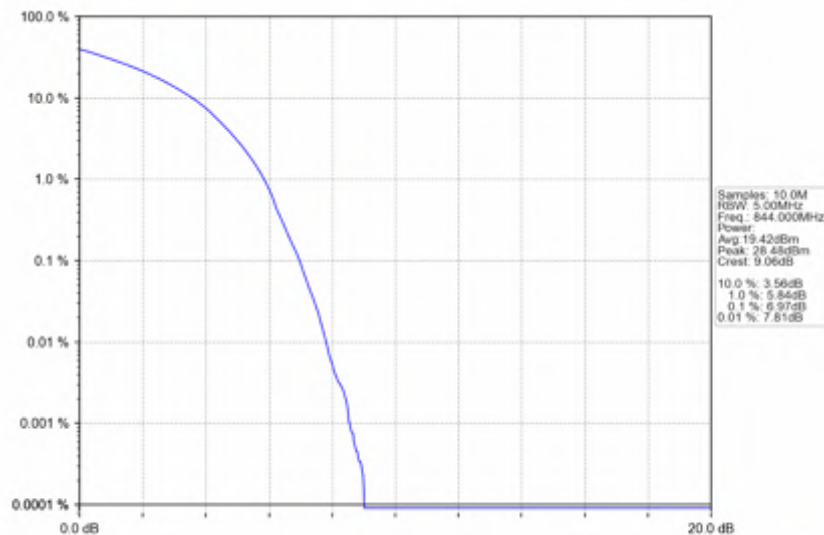
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

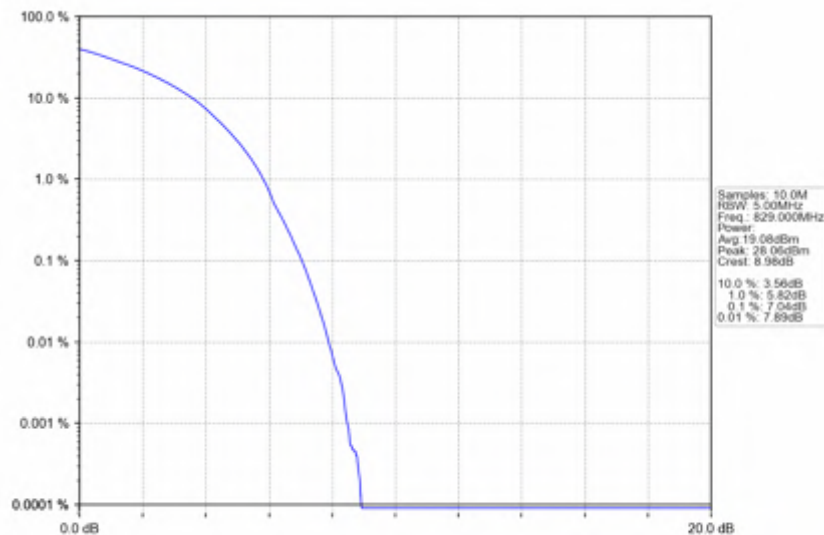
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

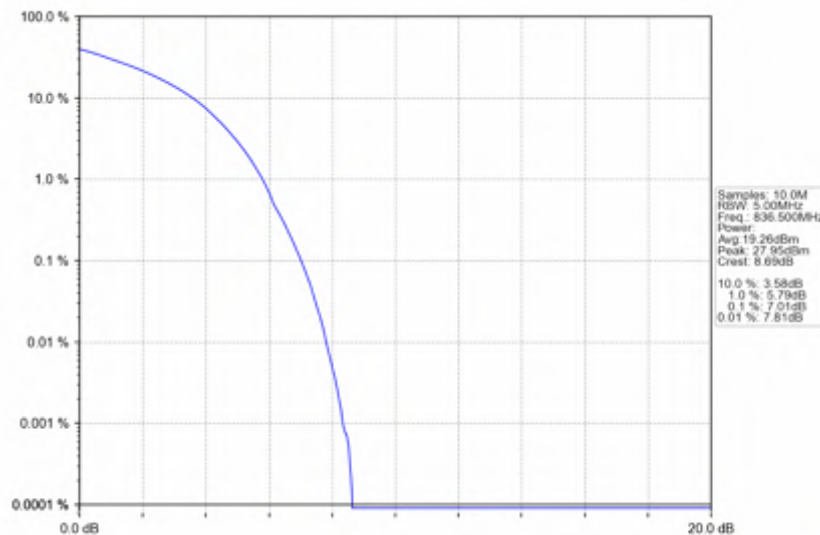


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

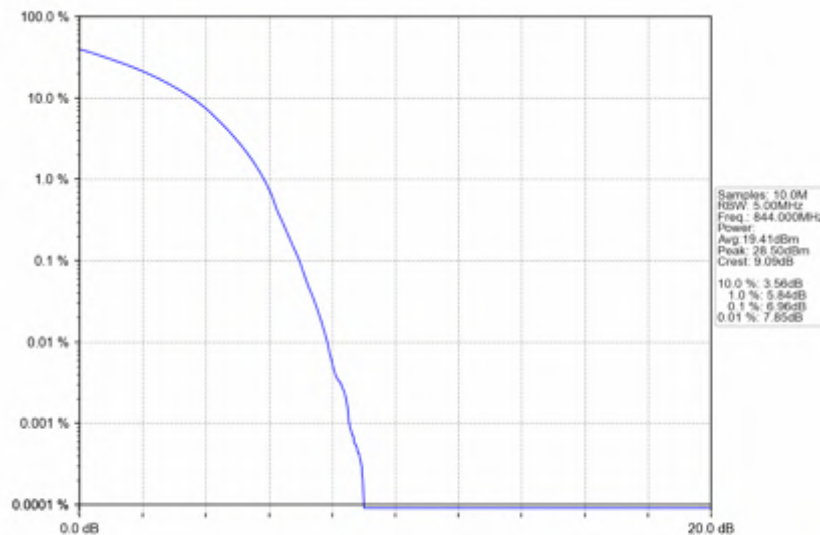
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



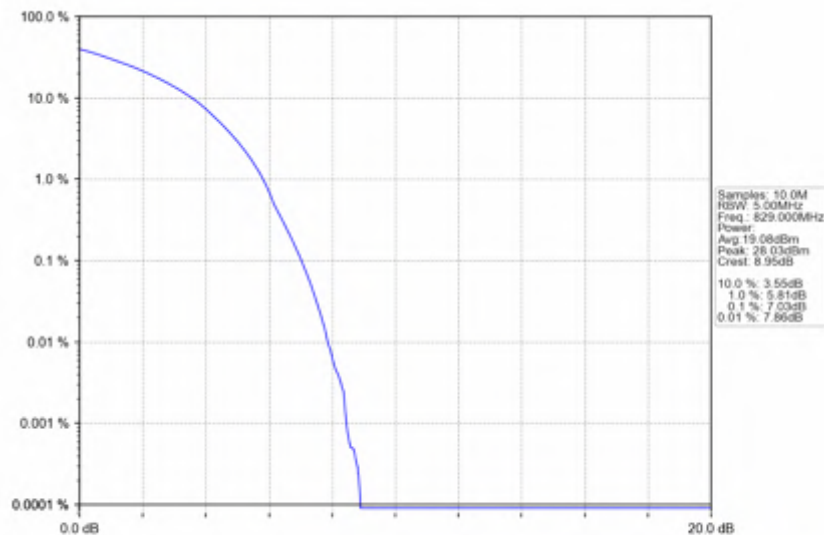
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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: (86-512) 57370011 or email: CH.Overseas@sgs.com

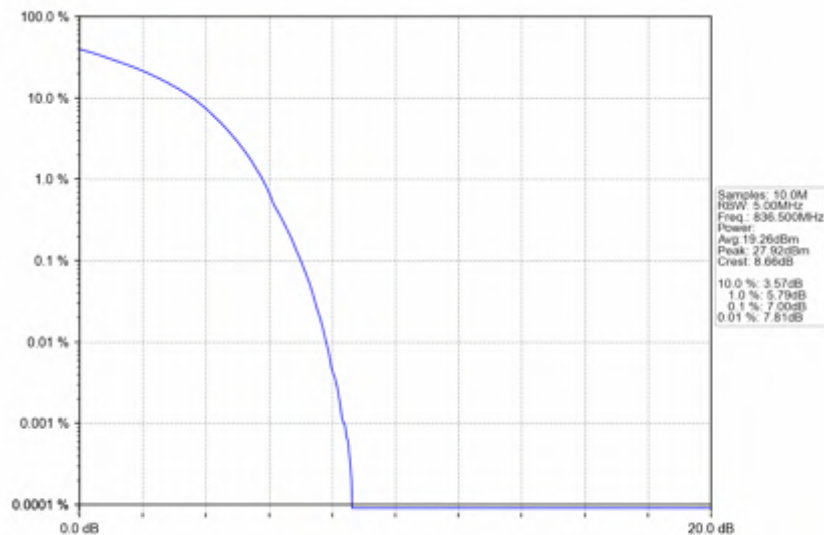
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



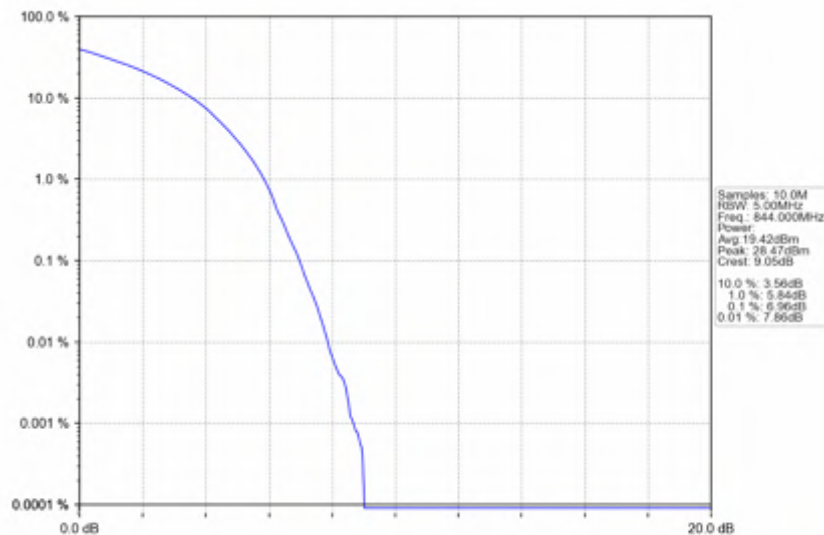
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512)99771111 or email: CH.Official@sgs.com

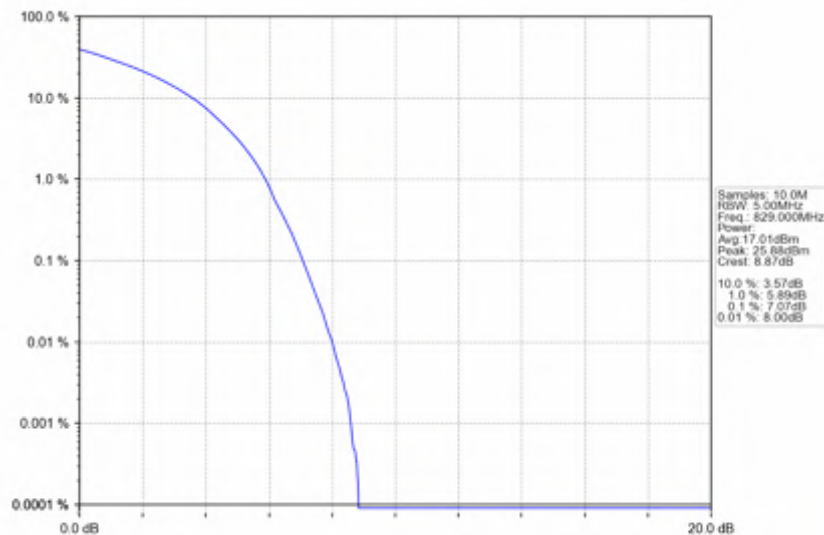
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创新园伟业路10号 邮编 215300

(86-512)57356888 (86-512)57370111 www.sgs.com.cn
(86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_LCH_829MHz_RB_50_0_NTNV



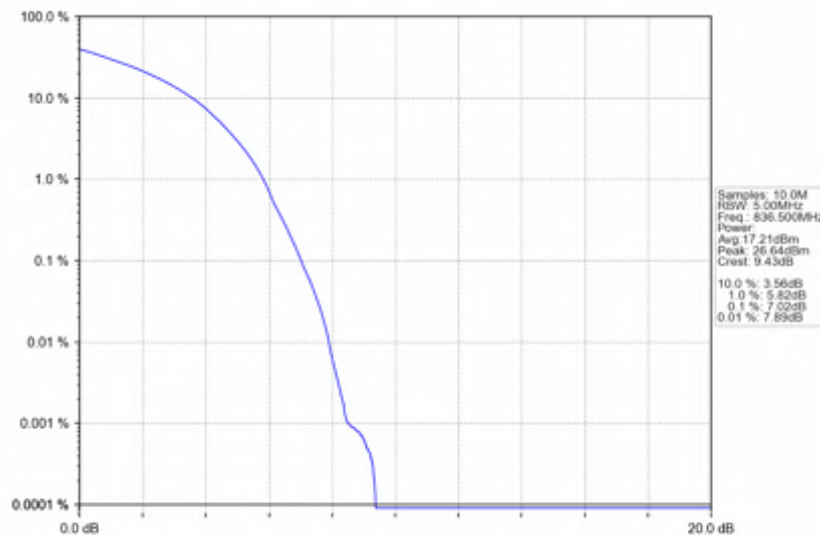
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

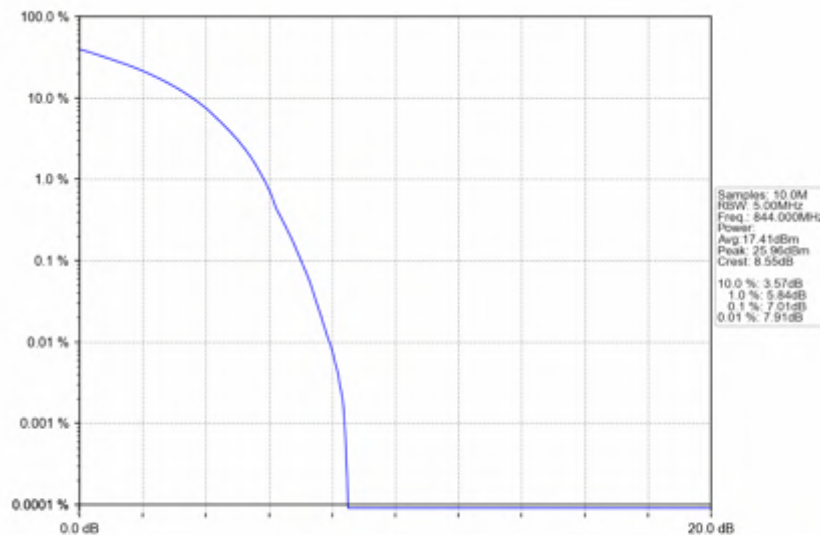
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_HCH_844MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com



4. Peak-Average Ratio

4.1 B7_5MHz

1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	6.83	<=13	Pass
	2535	25	0	5.87	<=13	Pass
	2567.5	25	0	6.82	<=13	Pass
16QAM	2502.5	25	0	6.83	<=13	Pass
	2535	25	0	6.63	<=13	Pass
	2567.5	25	0	6.81	<=13	Pass
64QAM	2502.5	25	0	6.83	<=13	Pass
	2535	25	0	6.85	<=13	Pass
	2567.5	25	0	6.81	<=13	Pass
256QAM	2502.5	25	0	6.90	<=13	Pass
	2535	25	0	7.04	<=13	Pass
	2567.5	25	0	6.86	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

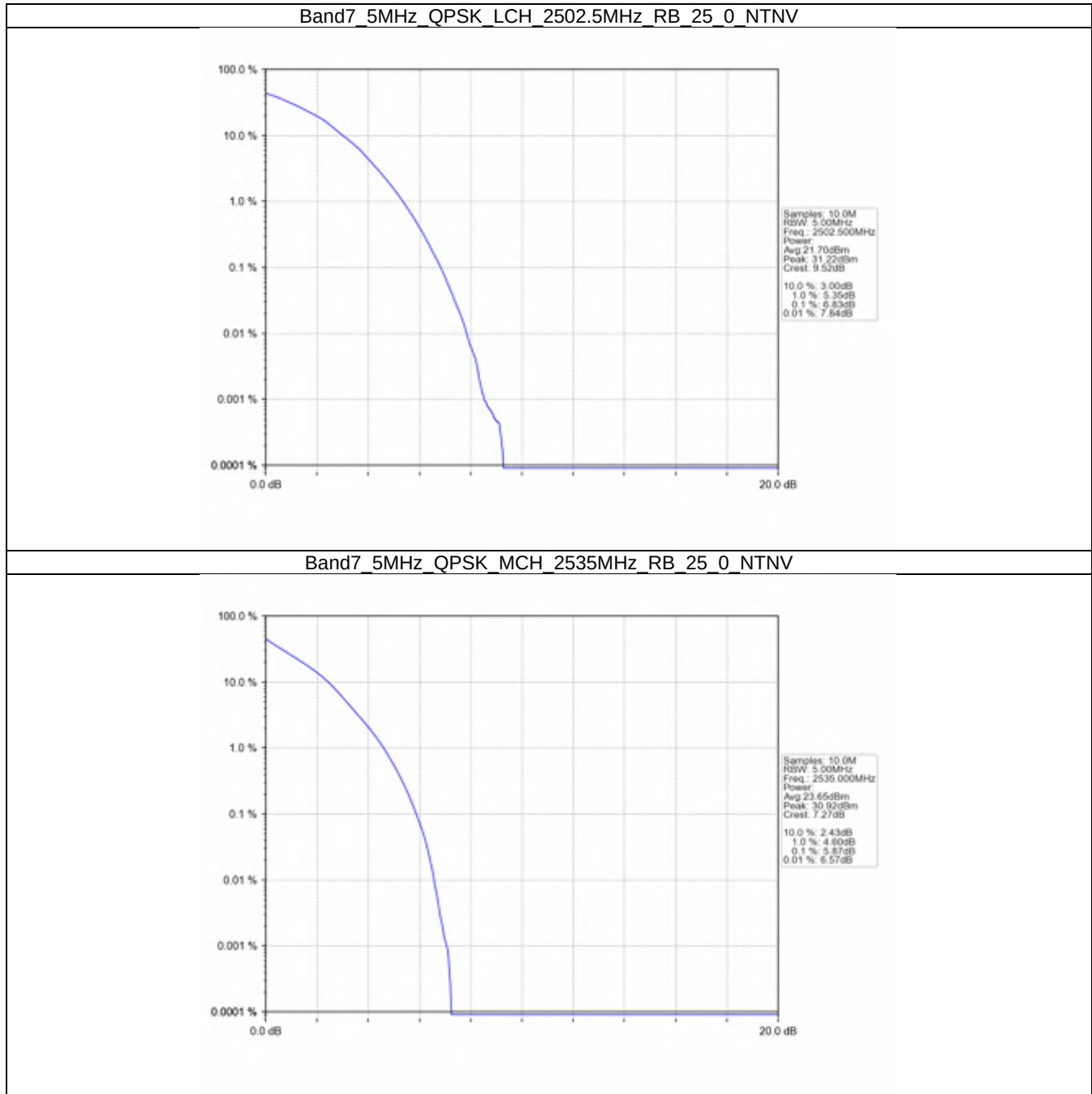
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356880 (86-512) 57370011 sgs.china@sgs.com

1.1.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

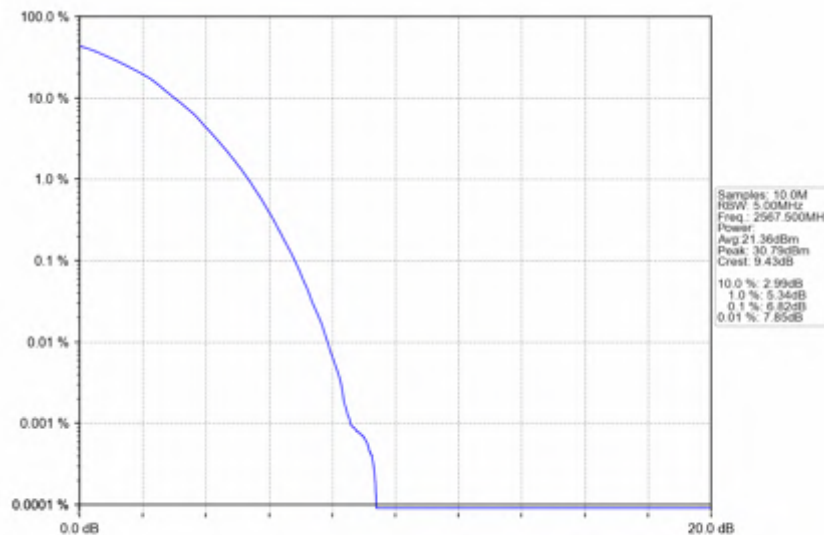
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

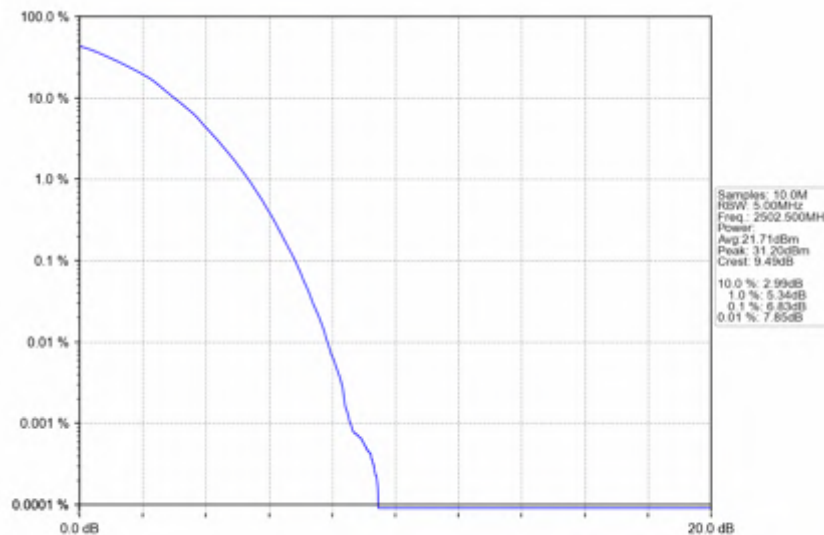
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV

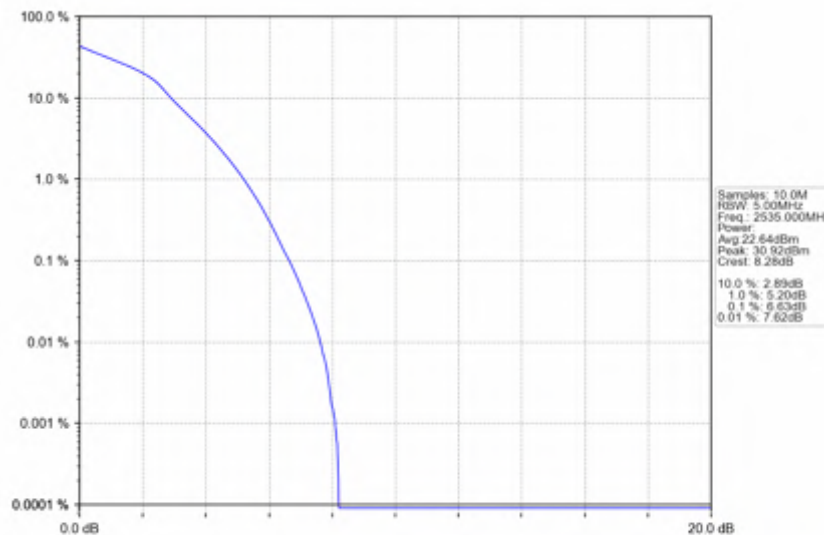


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

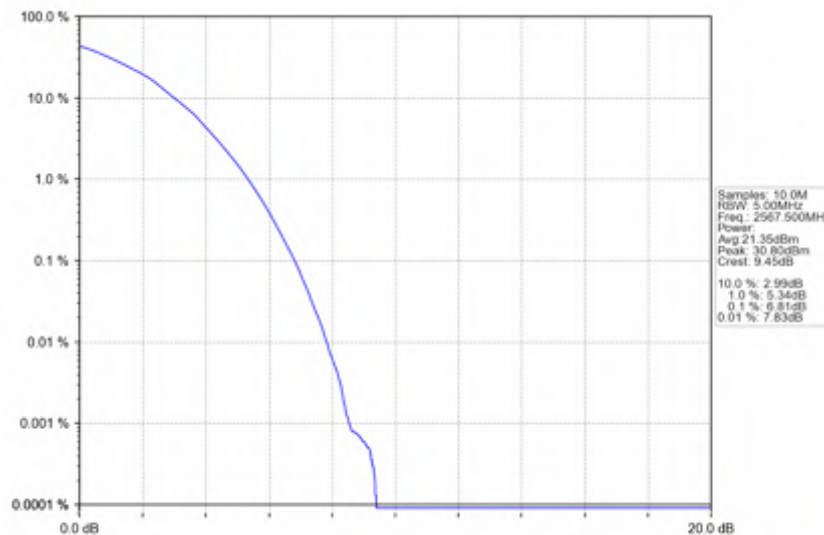
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

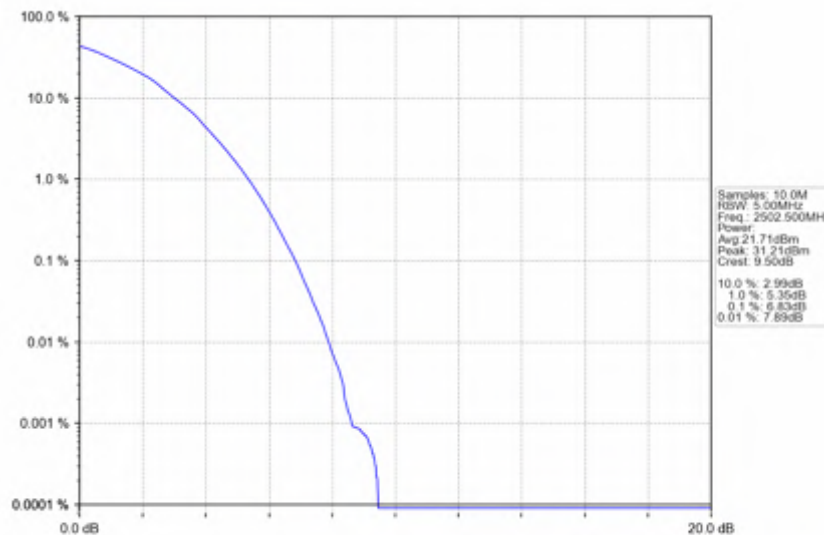
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

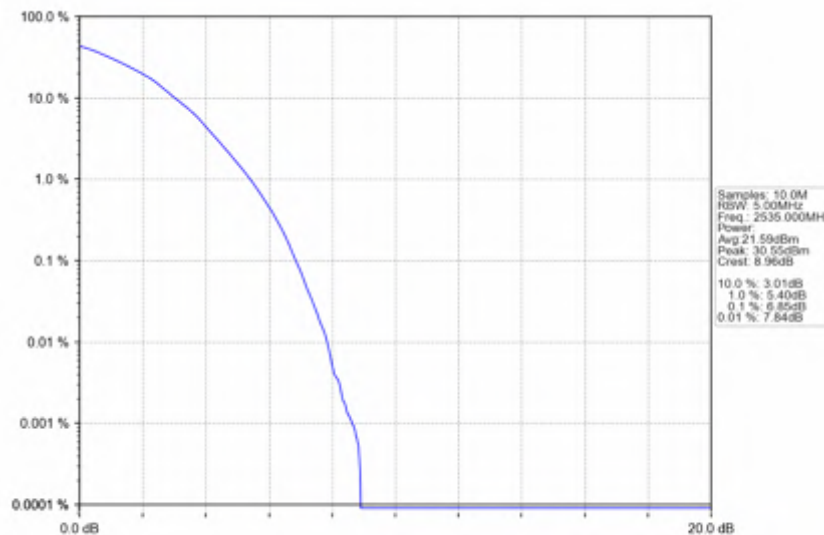
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV

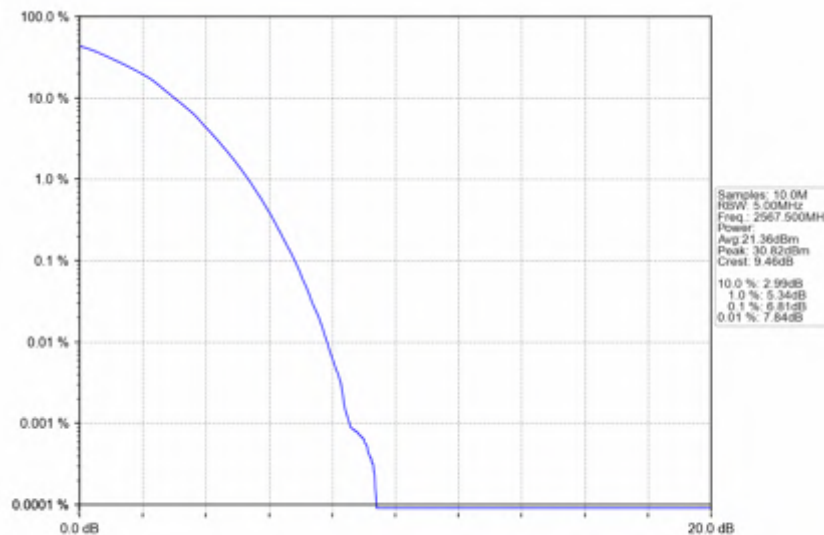


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

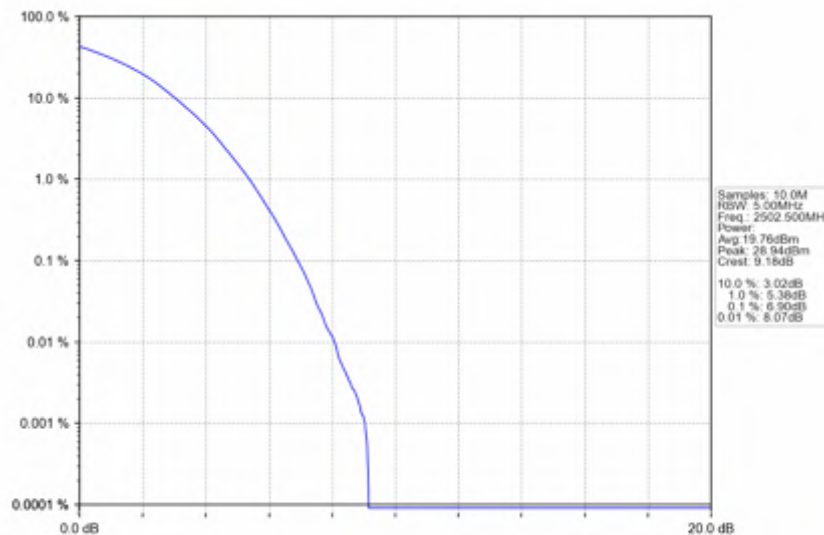
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band7_5MHz_64QAM_HCH_2567.5MHz_RB_25_0_NTNV



Band7_5MHz_256QAM_LCH_2502.5MHz_RB_25_0_NTNV



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 herein 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 conclusion report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

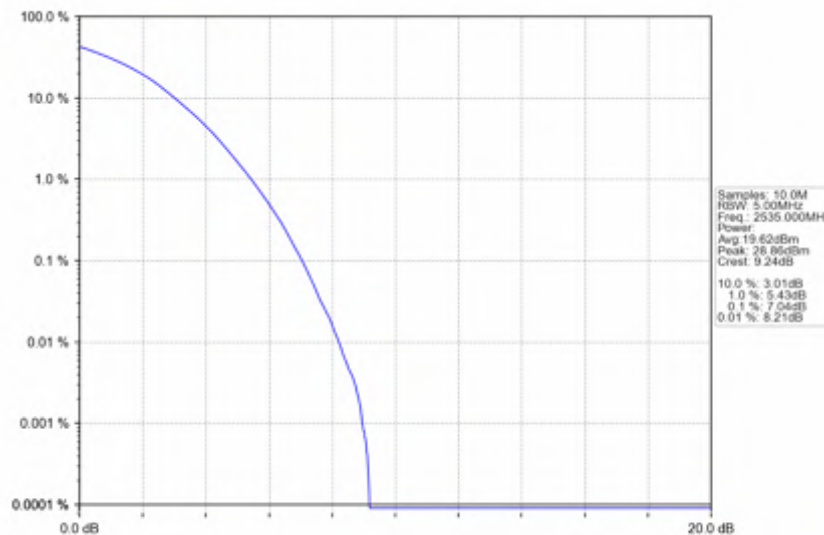
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

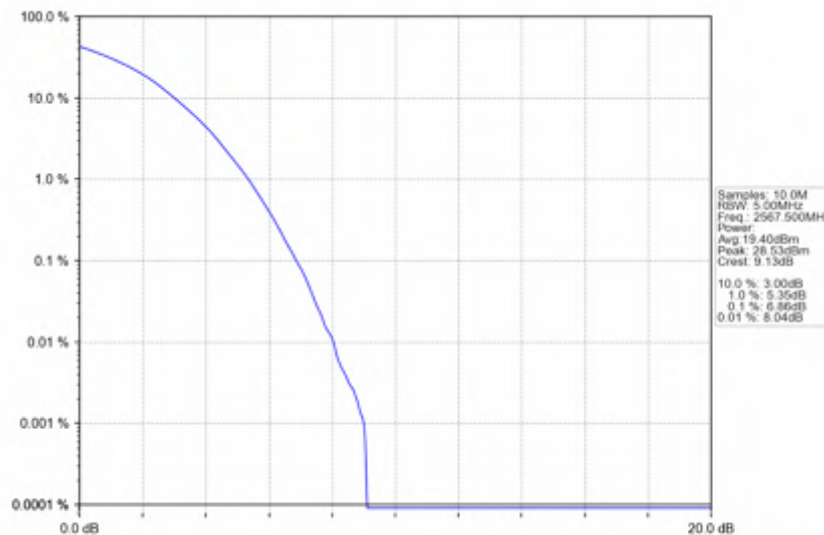
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band7_5MHz_256QAM_MCH_2535MHz_RB_25_0_NTNV



Band7_5MHz_256QAM_HCH_2567.5MHz_RB_25_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57358888

(86-512) 57370011

www.sgs.com.cn

sgs.china@sgs.com



4.2 B7_10MHz

4.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	7.11	<=13	Pass
	2535	50	0	7.09	<=13	Pass
	2565	50	0	7.05	<=13	Pass
16QAM	2505	50	0	7.09	<=13	Pass
	2535	50	0	7.08	<=13	Pass
	2565	50	0	7.05	<=13	Pass
64QAM	2505	50	0	7.10	<=13	Pass
	2535	50	0	7.09	<=13	Pass
	2565	50	0	7.05	<=13	Pass
256QAM	2505	50	0	7.16	<=13	Pass
	2535	50	0	7.11	<=13	Pass
	2565	50	0	7.10	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

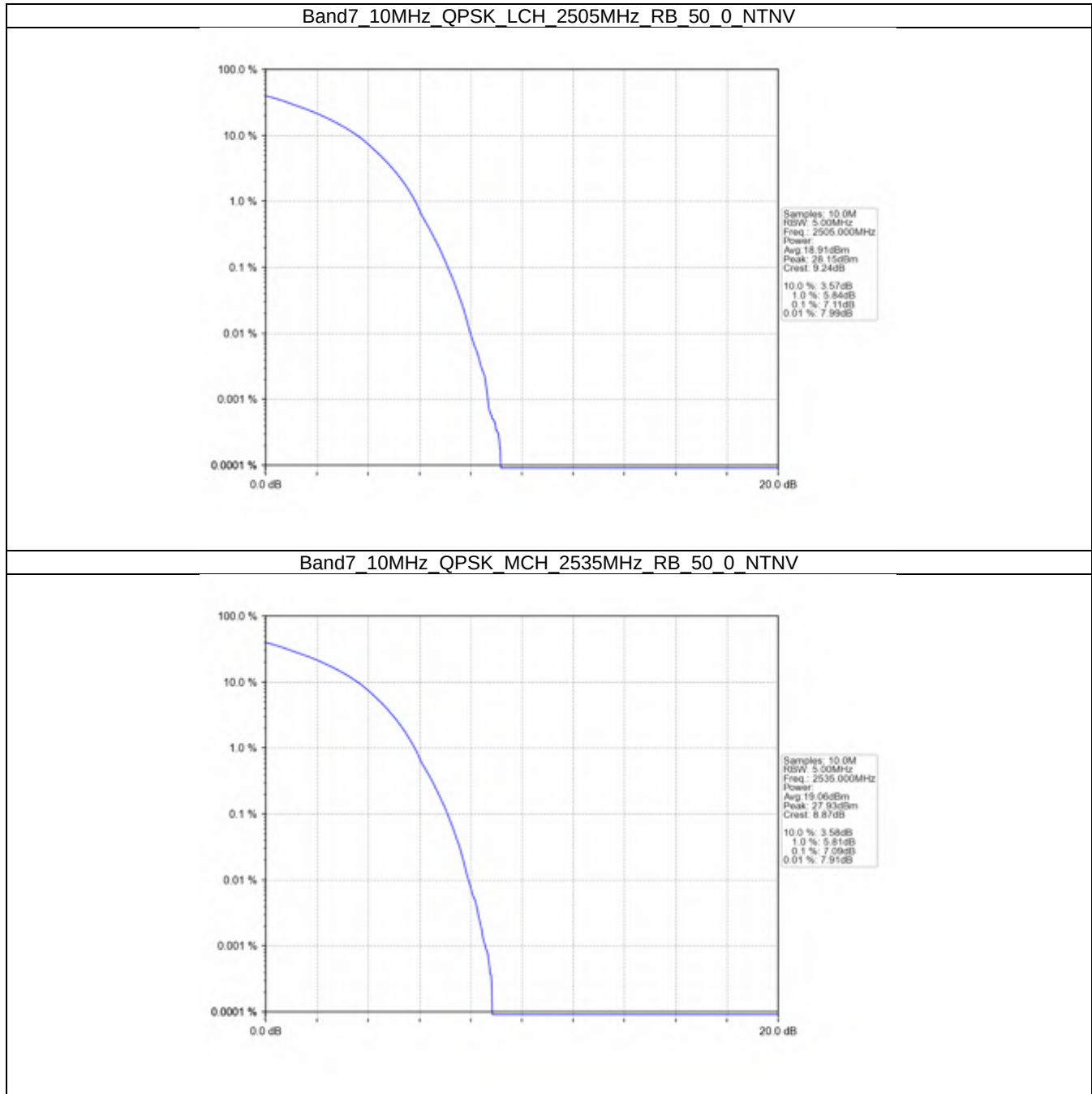
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

4.2.2 Test Graph



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 herein 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 test report 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

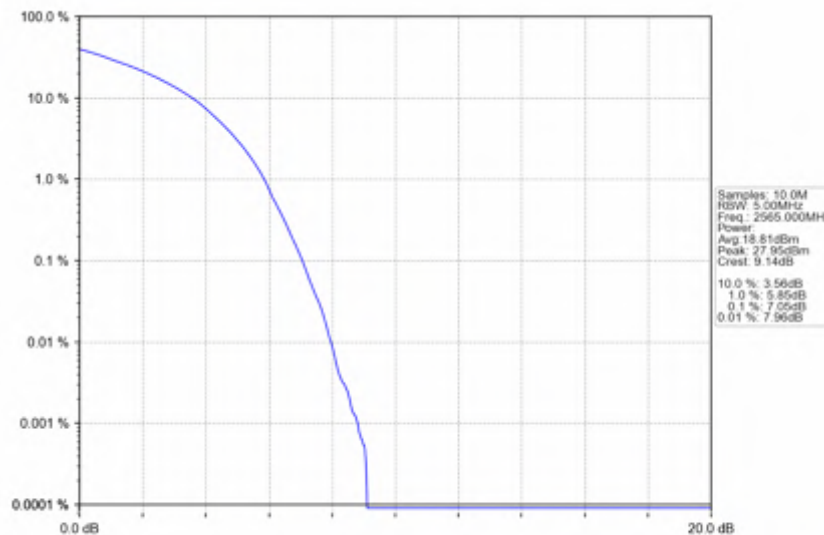
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

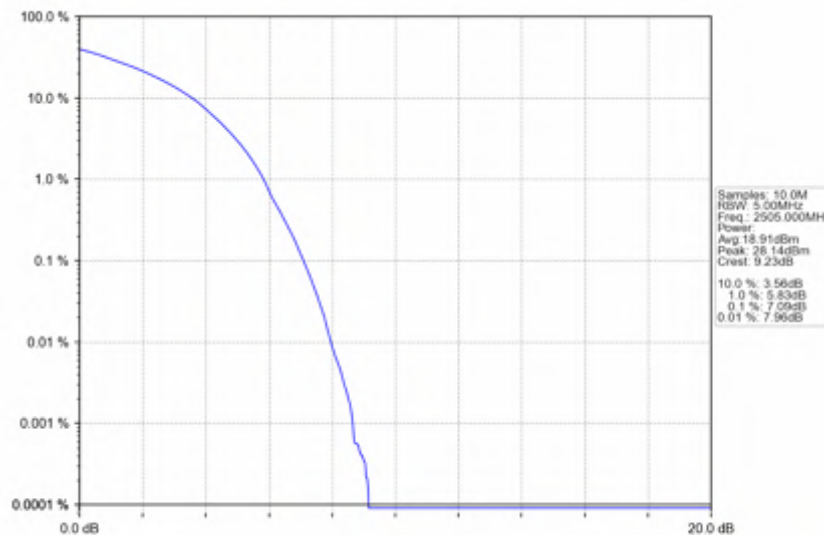
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV

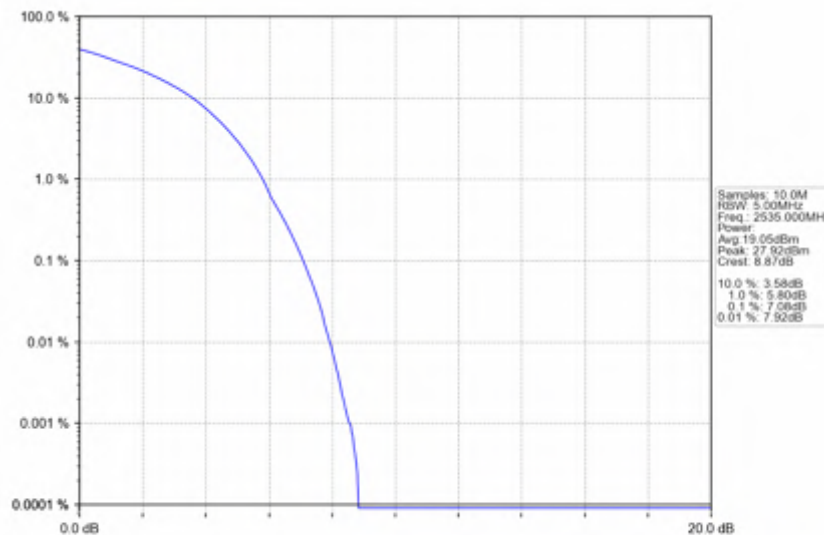


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 certification report & certificate, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

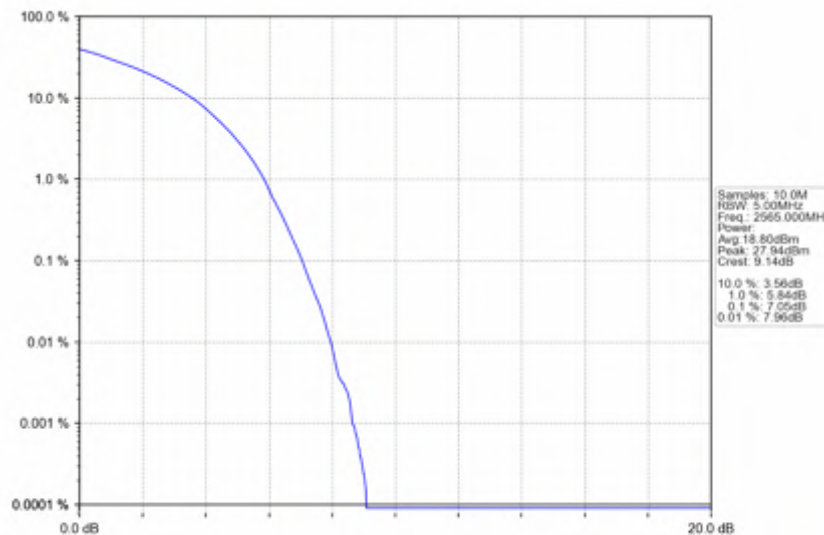
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

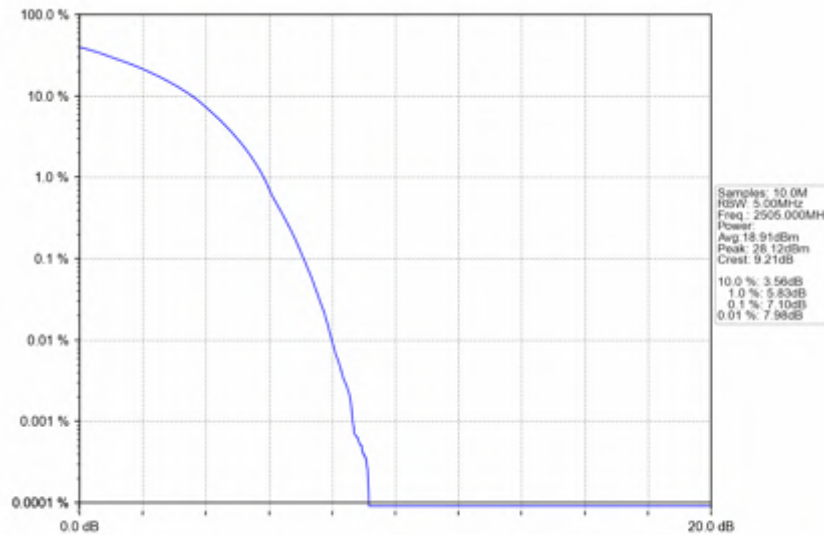
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

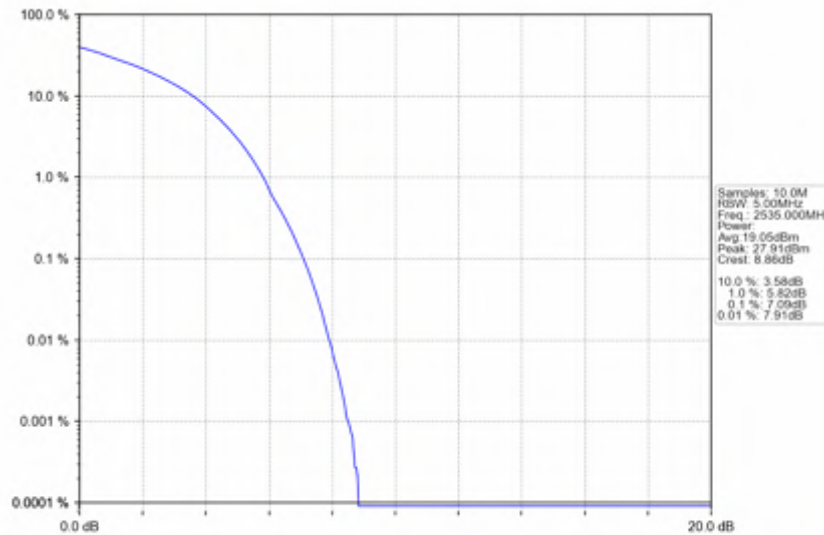
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



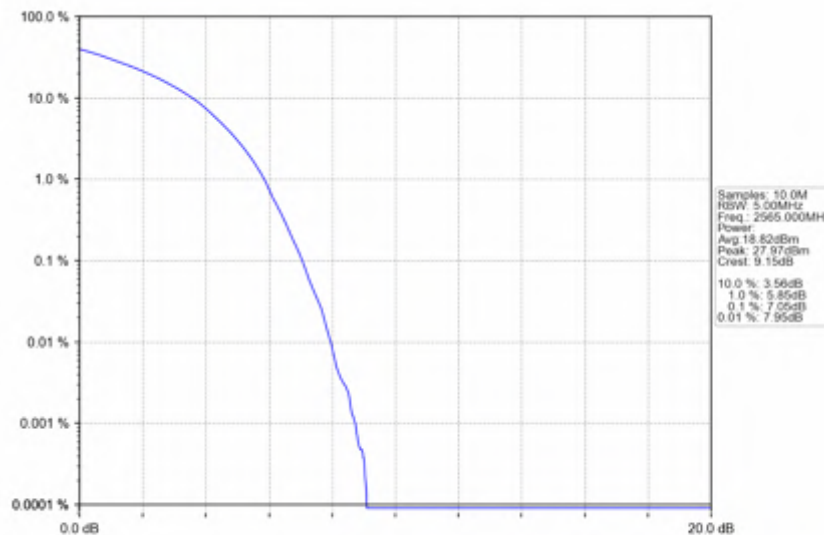
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

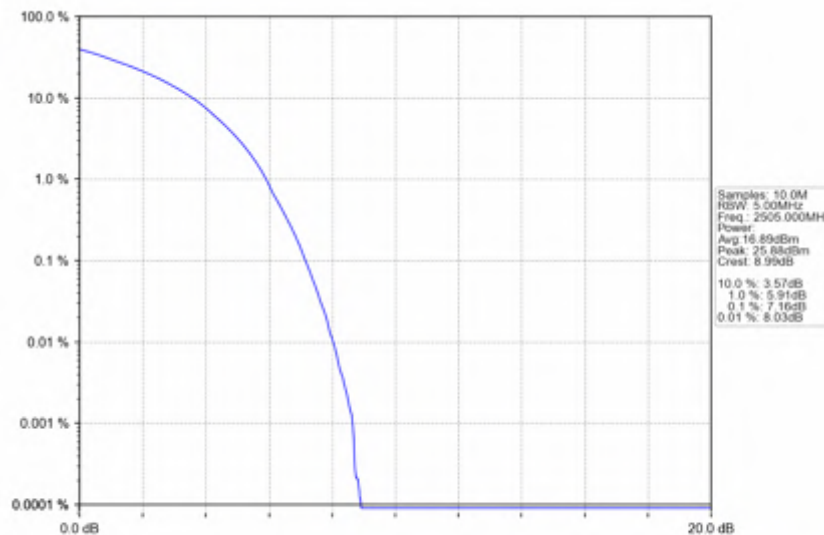
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_10MHz_64QAM_HCH_2565MHz_RB_50_0_NTNV



Band7_10MHz_256QAM_LCH_2505MHz_RB_50_0_NTNV



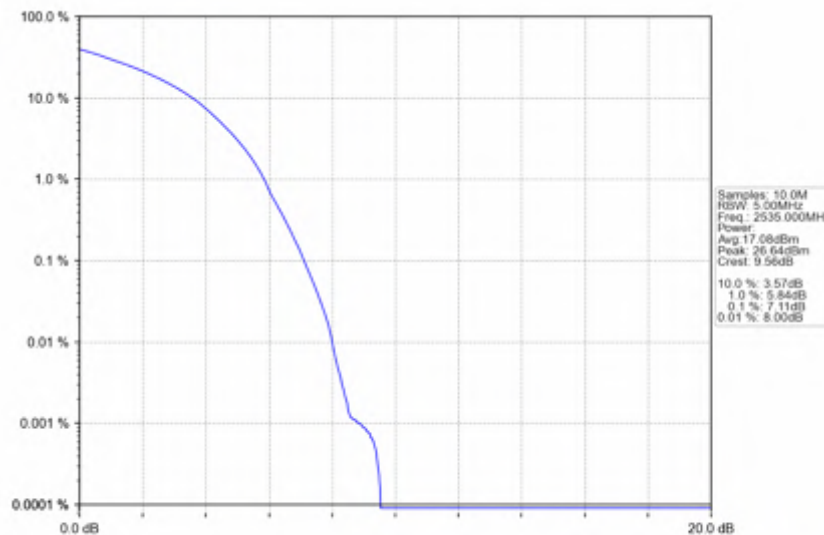
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

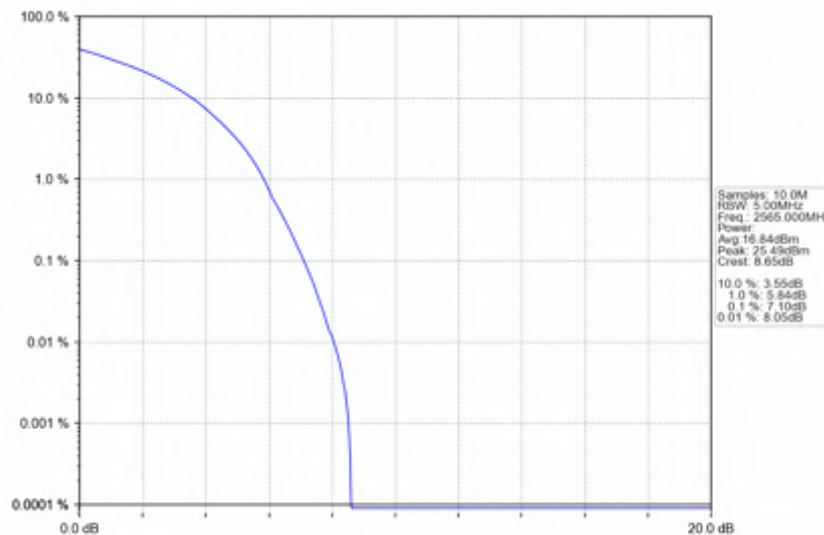
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_256QAM_HCH_2565MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370111 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370111 sgs.china@sgs.com



4.3 B7_15MHz

4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	7.52	<=13	Pass
	2535	75	0	7.45	<=13	Pass
	2562.5	75	0	7.45	<=13	Pass
16QAM	2507.5	75	0	7.52	<=13	Pass
	2535	75	0	7.44	<=13	Pass
	2562.5	75	0	7.45	<=13	Pass
64QAM	2507.5	75	0	7.52	<=13	Pass
	2535	75	0	7.43	<=13	Pass
	2562.5	75	0	7.44	<=13	Pass
256QAM	2507.5	75	0	7.46	<=13	Pass
	2535	75	0	7.51	<=13	Pass
	2562.5	75	0	7.44	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

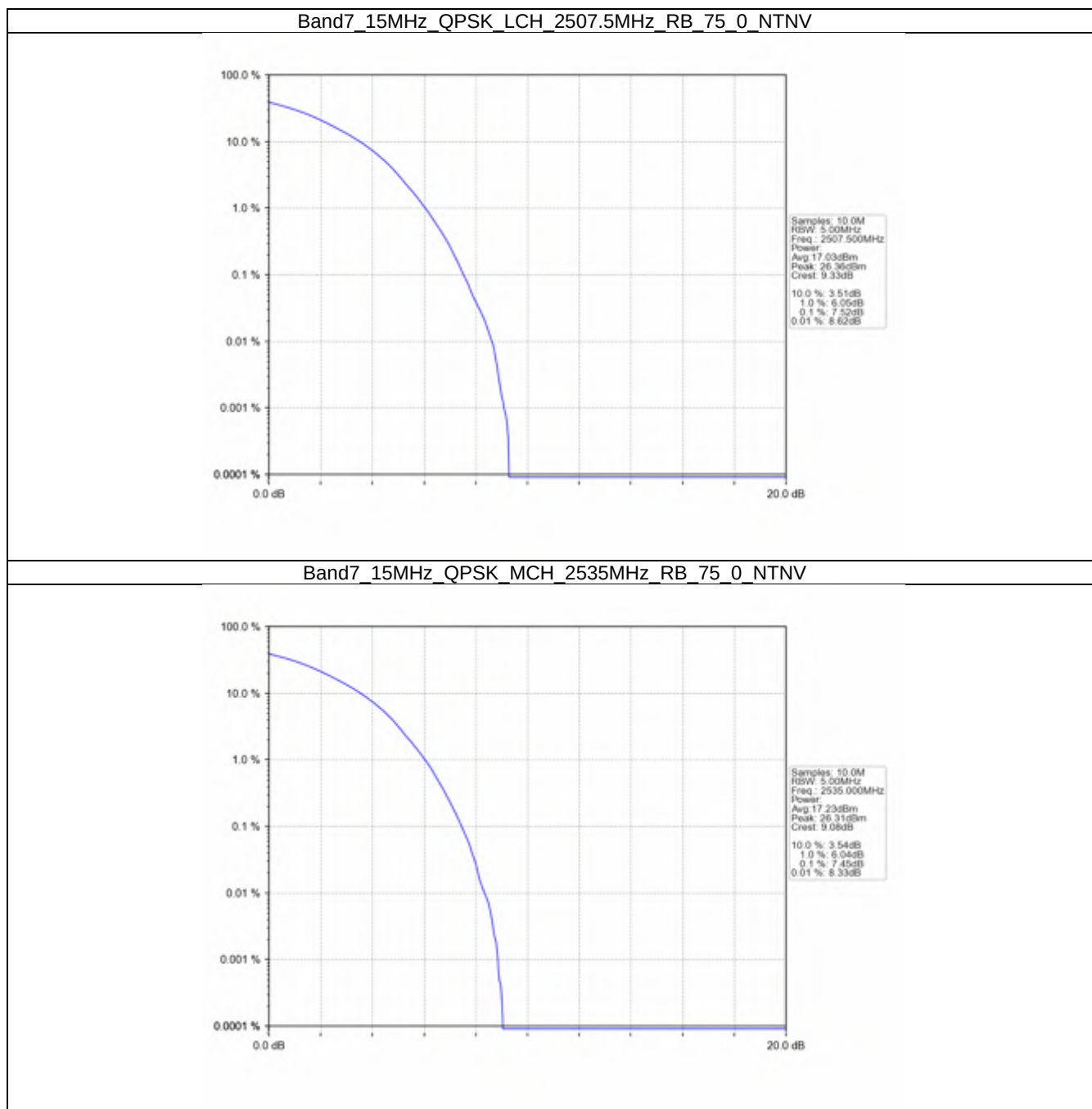
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

4.3.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

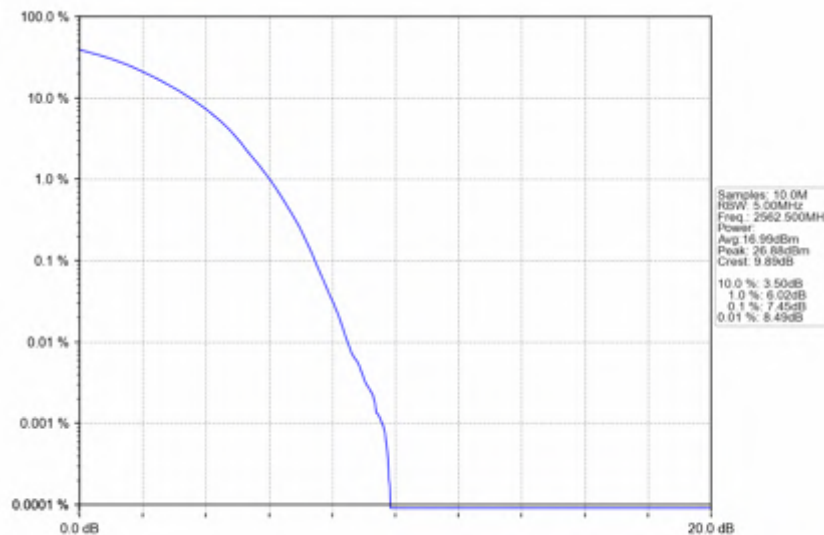
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新园伟业路18号 邮编 215300

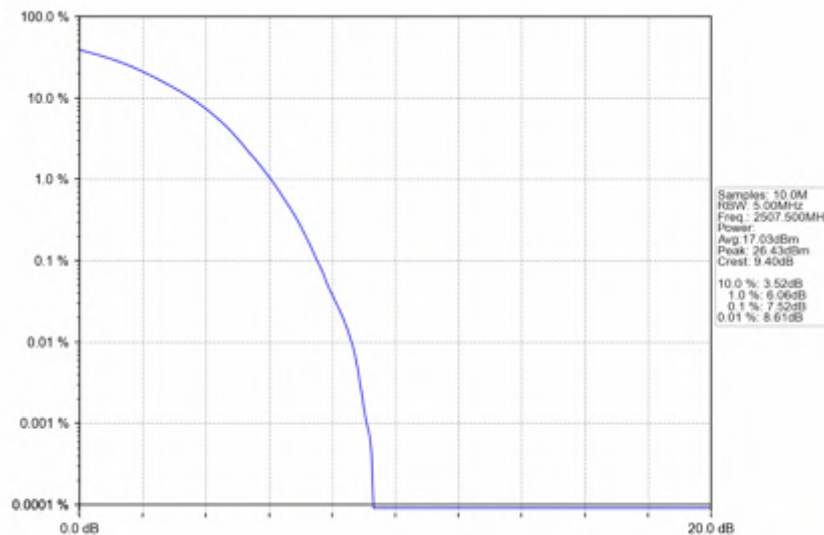
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



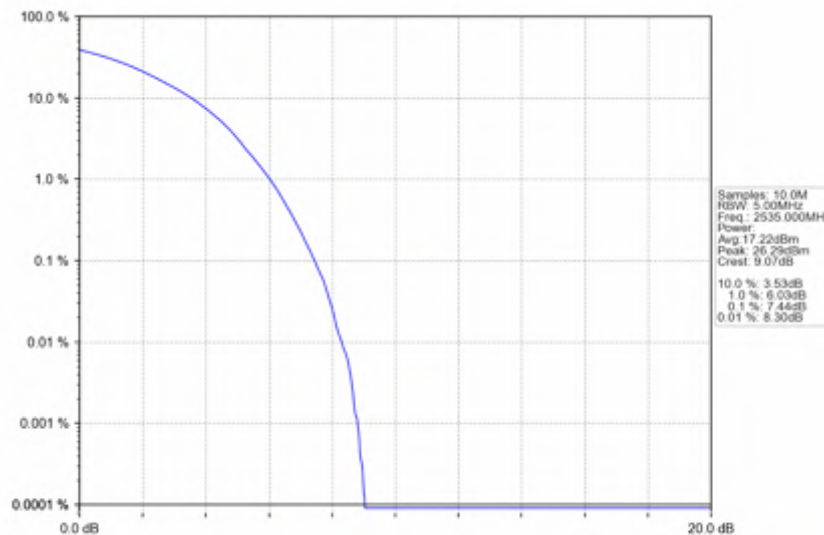
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 certification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

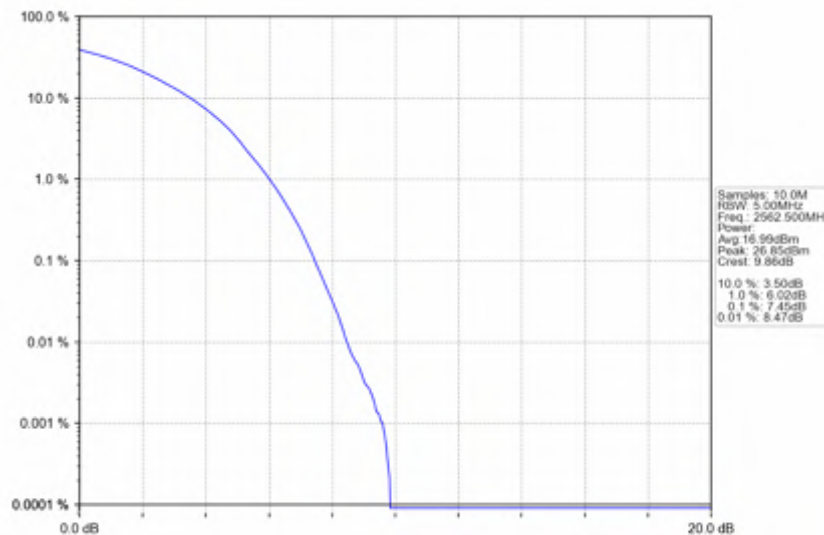
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

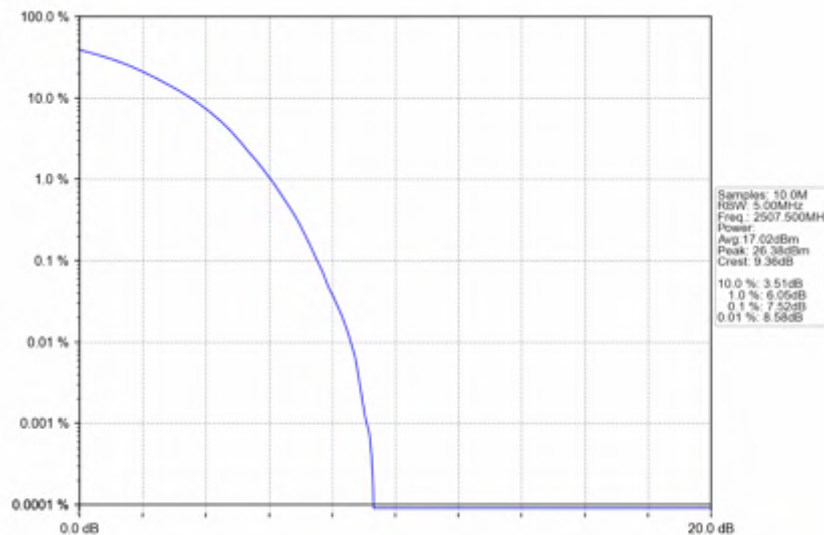


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512)99771111
 or email: CH-Check@sgs.com

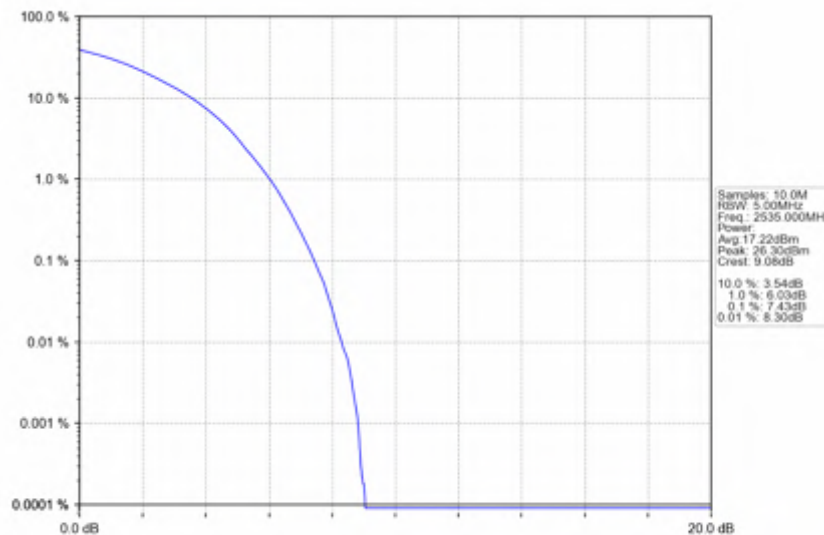
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512)57350888 (86-512)57370111 www.sgs.com.cn
 (86-512)57350888 (86-512)57370111 sgs.china@sgs.com

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



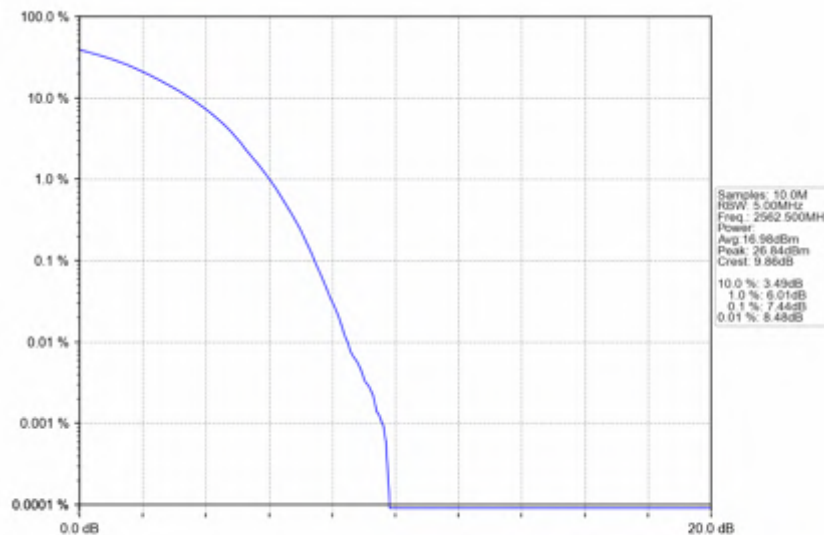
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

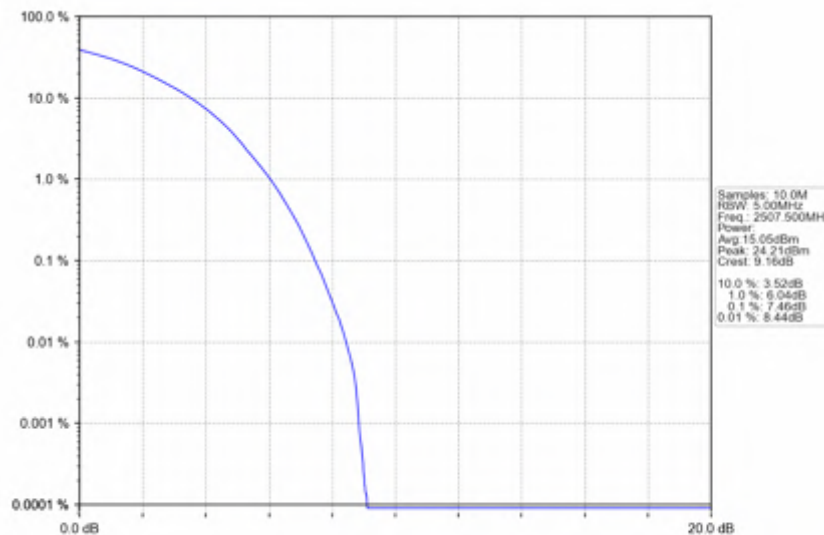
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band7_15MHz_64QAM_HCH_2562.5MHz_RB_75_0_NTNV



Band7_15MHz_256QAM_LCH_2507.5MHz_RB_75_0_NTNV

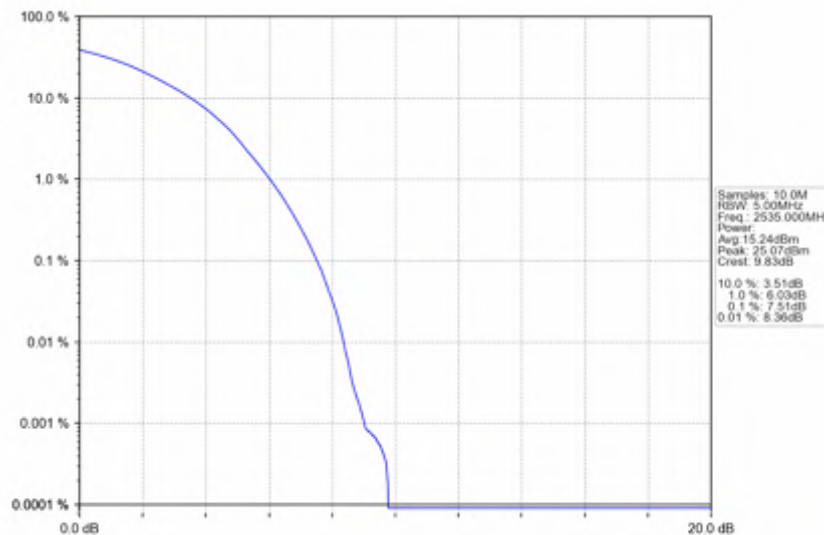


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CH.Overseas@sgs.com

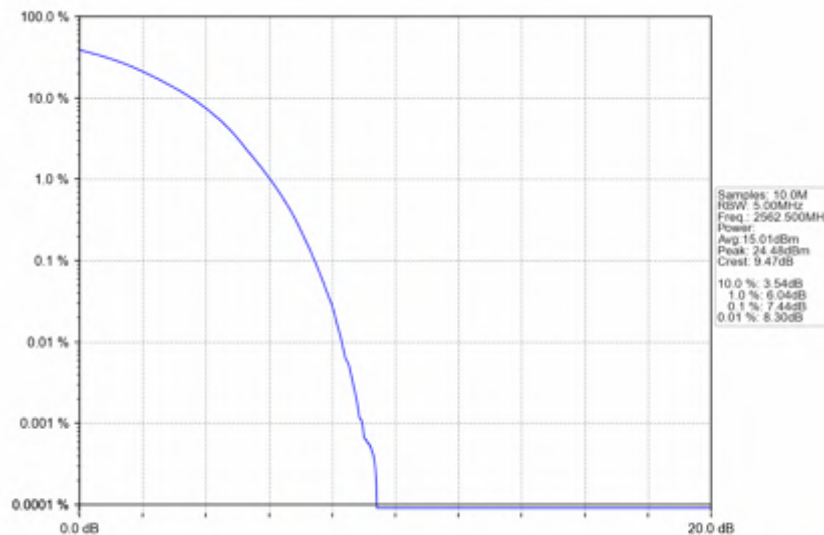
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_15MHz_256QAM_HCH_2562.5MHz_RB_75_0_NTNV



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com



4.4 B7_20MHz

4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	7.68	<=13	Pass
	2535	100	0	7.63	<=13	Pass
	2560	100	0	7.66	<=13	Pass
16QAM	2510	100	0	7.69	<=13	Pass
	2535	100	0	7.62	<=13	Pass
	2560	100	0	7.66	<=13	Pass
64QAM	2510	100	0	7.69	<=13	Pass
	2535	100	0	7.62	<=13	Pass
	2560	100	0	7.65	<=13	Pass
256QAM	2510	100	0	7.67	<=13	Pass
	2535	100	0	7.63	<=13	Pass
	2560	100	0	7.70	<=13	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 herein 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 ensure the authenticity of testing notification reports & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

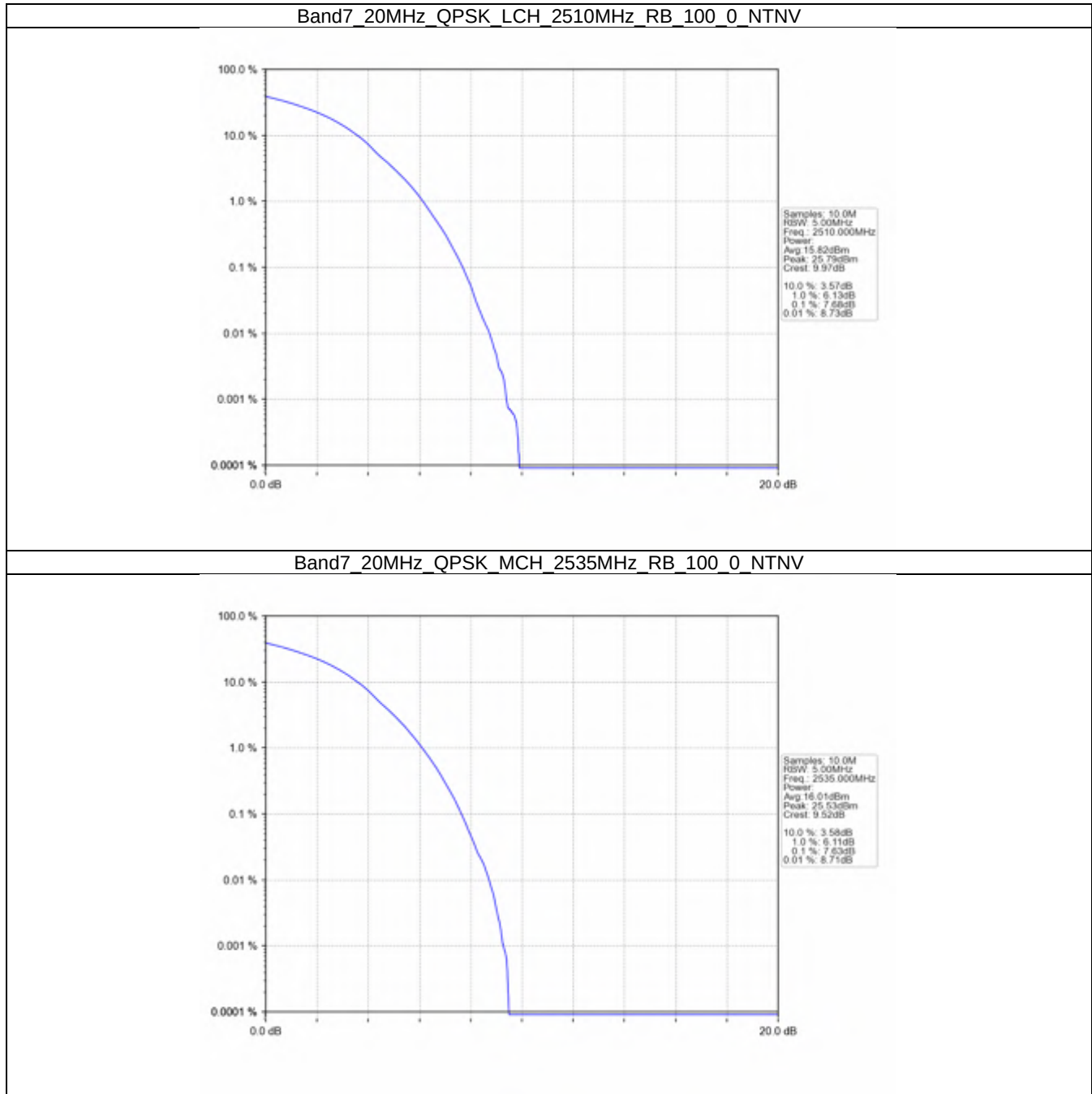
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

4.4.2 Test Graph



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 herein 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 test report 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

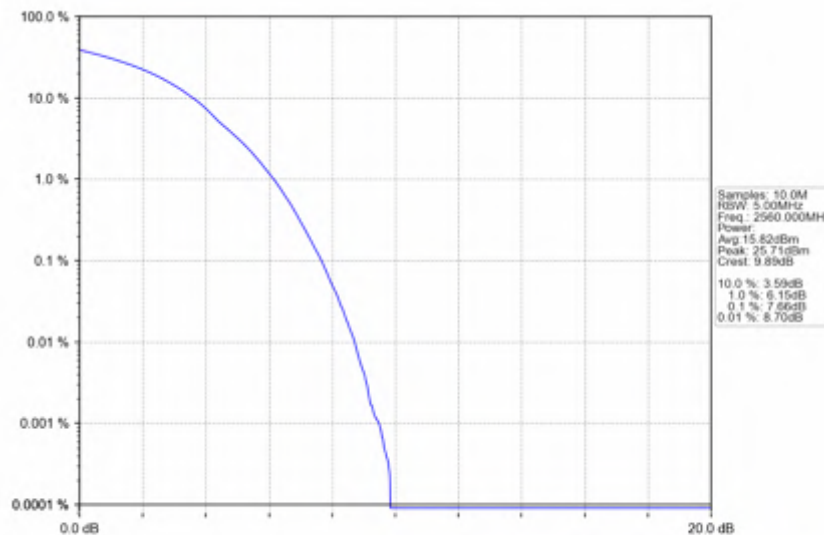
(86-512) 57355888

(86-512) 57370011

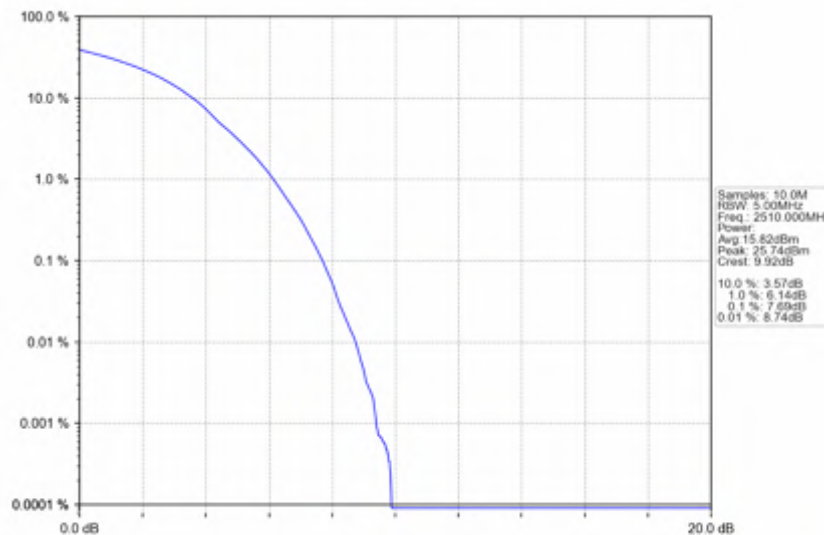
www.sgs.com.cn

sgs.china@sgs.com

Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH.Overseas@sgs.com.

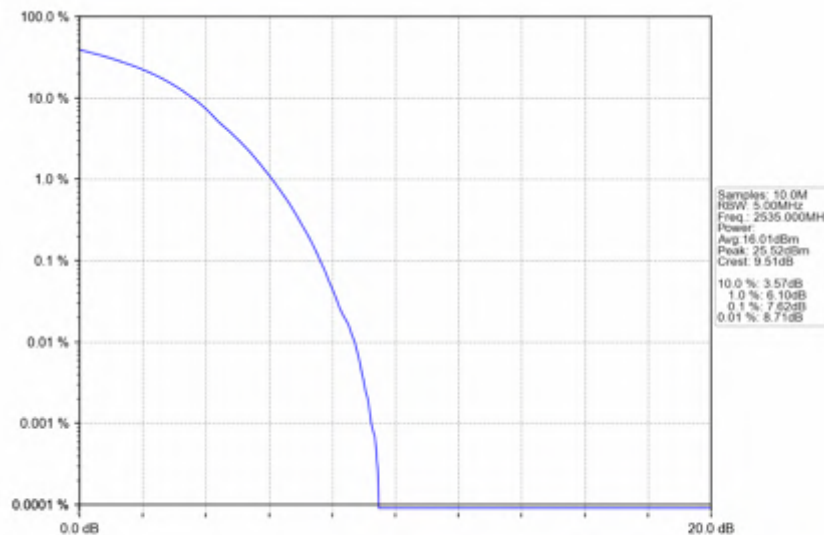
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

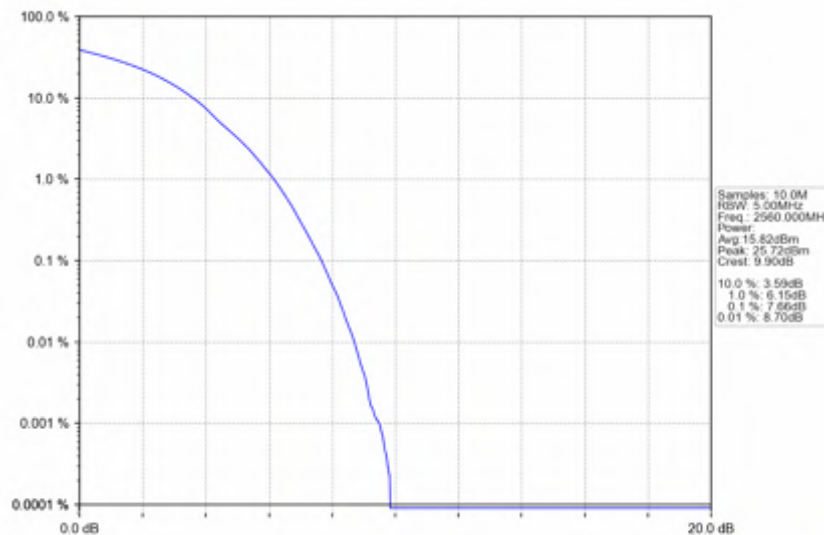
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



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 herein 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 conclusion report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

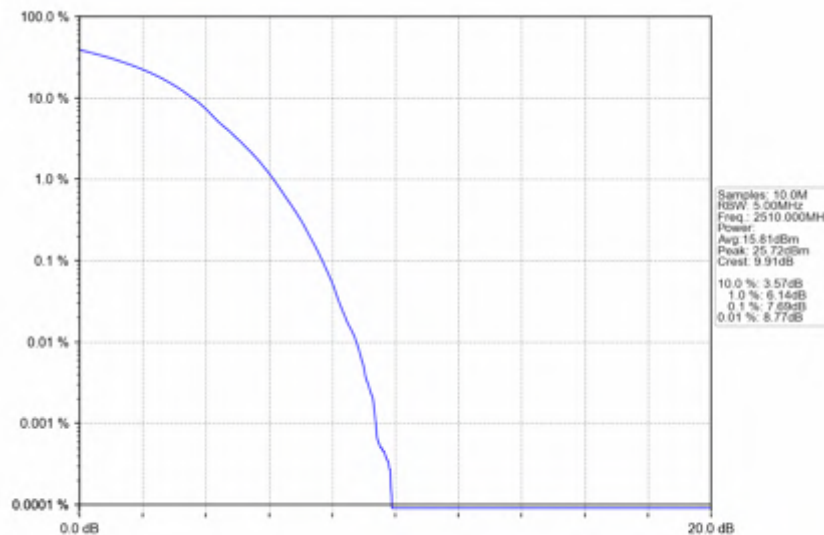
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

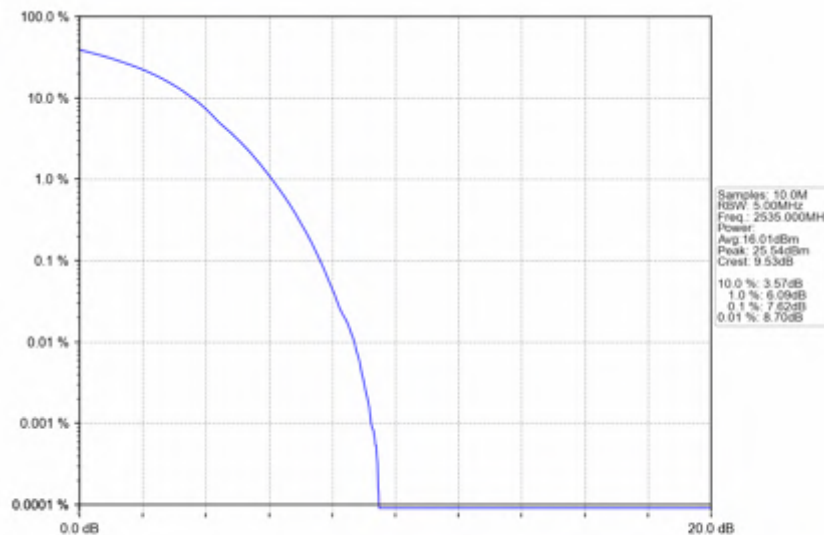
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV

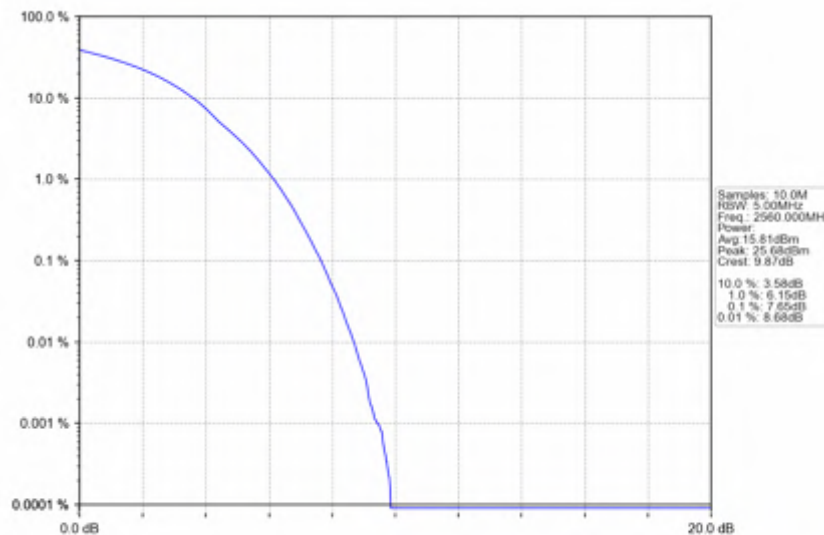


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CH.Official@sgs.com

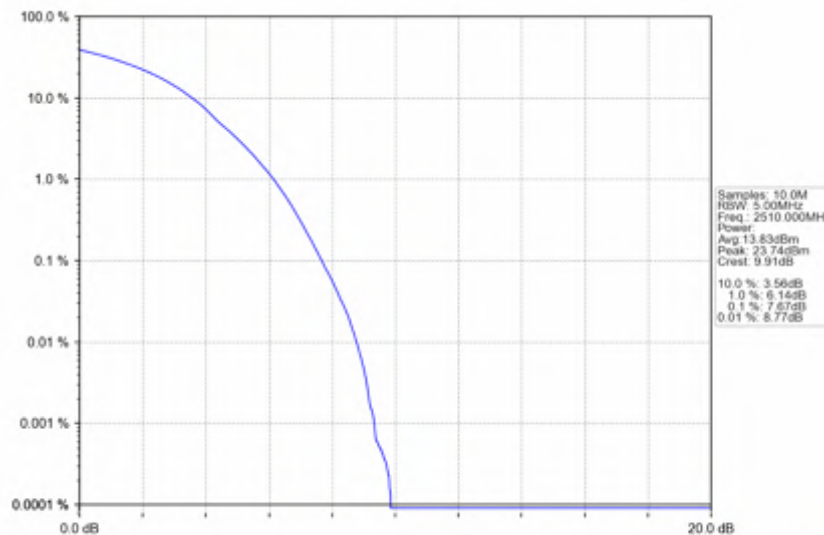
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band7_20MHz_64QAM_HCH_2560MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_LCH_2510MHz_RB_100_0_NTNV

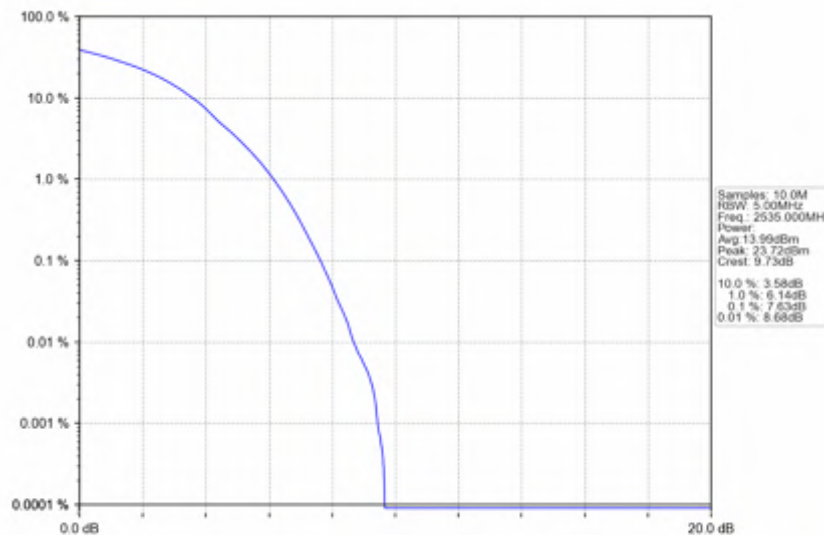


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

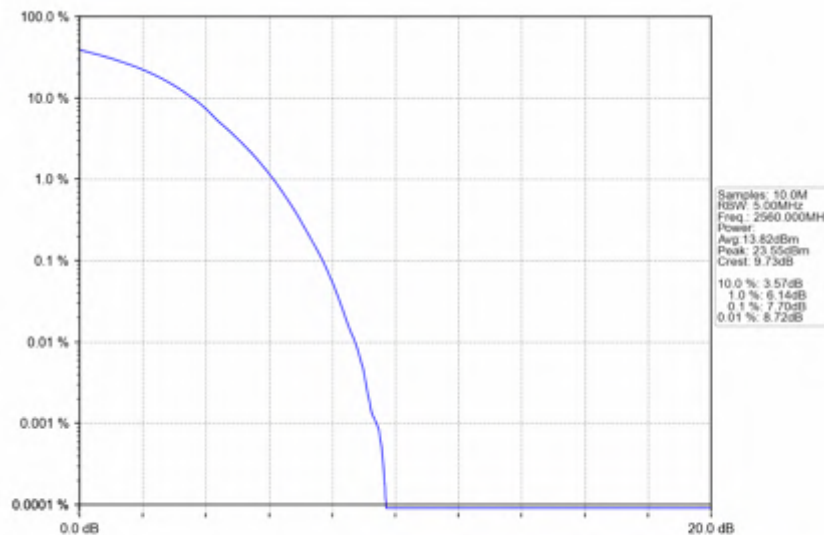
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band7_20MHz_256QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_HCH_2560MHz_RB_100_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



5. Peak-Average Ratio

5.1 B25_1.4MHz

5.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.83	<=13	Pass
	1882.5	6	0	6.94	<=13	Pass
	1914.3	6	0	6.69	<=13	Pass
16QAM	1850.7	6	0	6.55	<=13	Pass
	1882.5	6	0	6.96	<=13	Pass
	1914.3	6	0	6.68	<=13	Pass
64QAM	1850.7	6	0	7.02	<=13	Pass
	1882.5	6	0	6.95	<=13	Pass
	1914.3	6	0	6.69	<=13	Pass
256QAM	1850.7	6	0	7.09	<=13	Pass
	1882.5	6	0	7.06	<=13	Pass
	1914.3	6	0	6.73	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

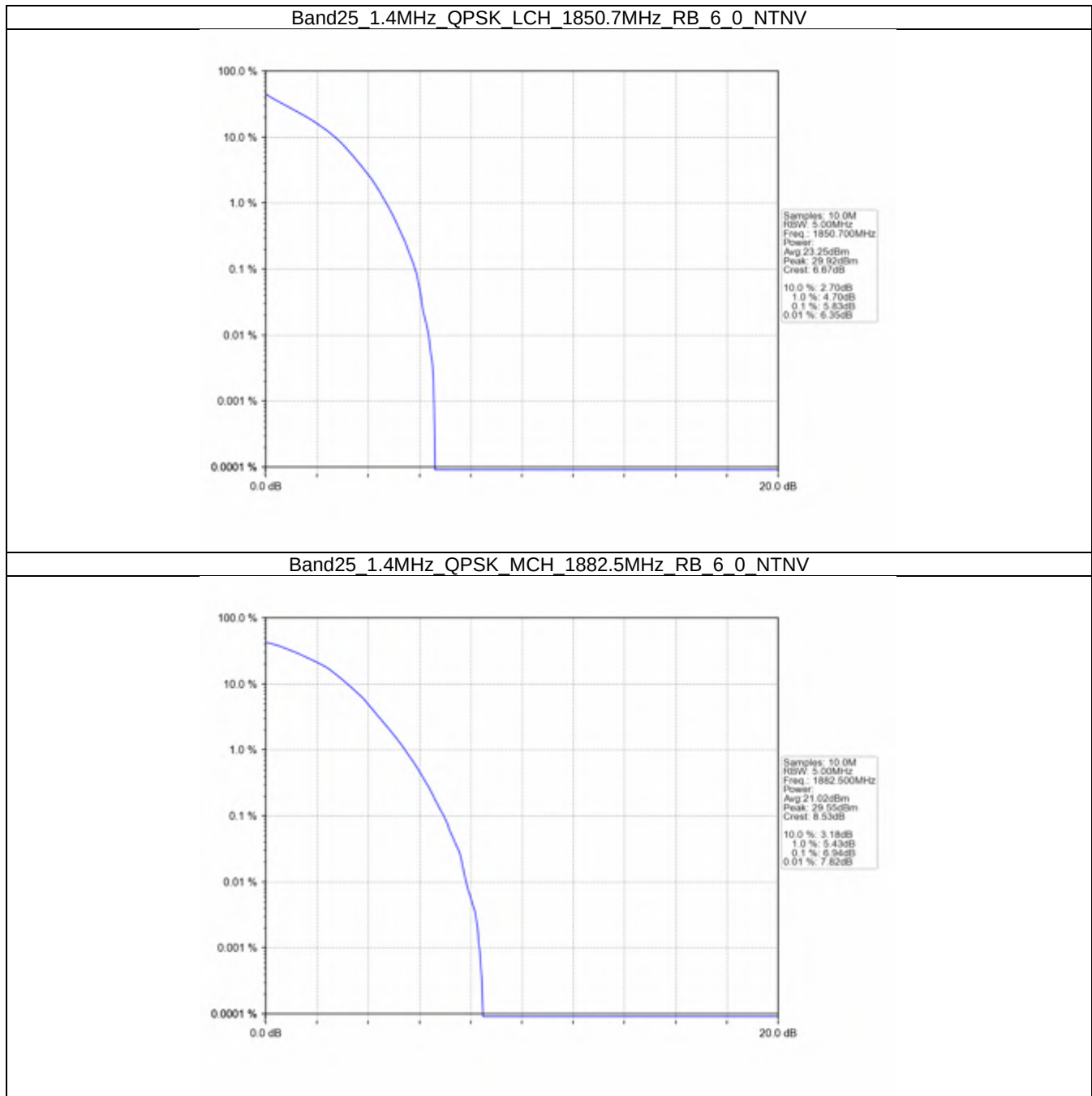
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgsgroup.com.cn

(86-512) 57350880 (86-512) 57370011 sgs.china@sgs.com

5.1.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

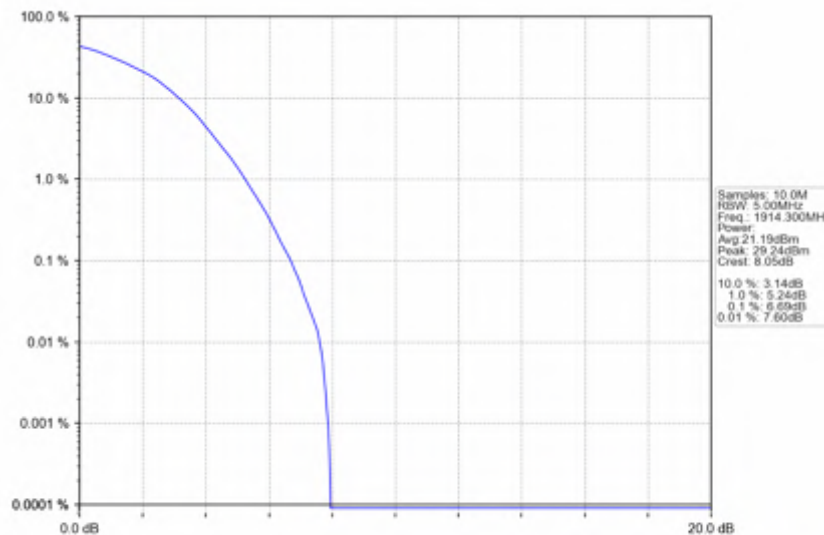
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

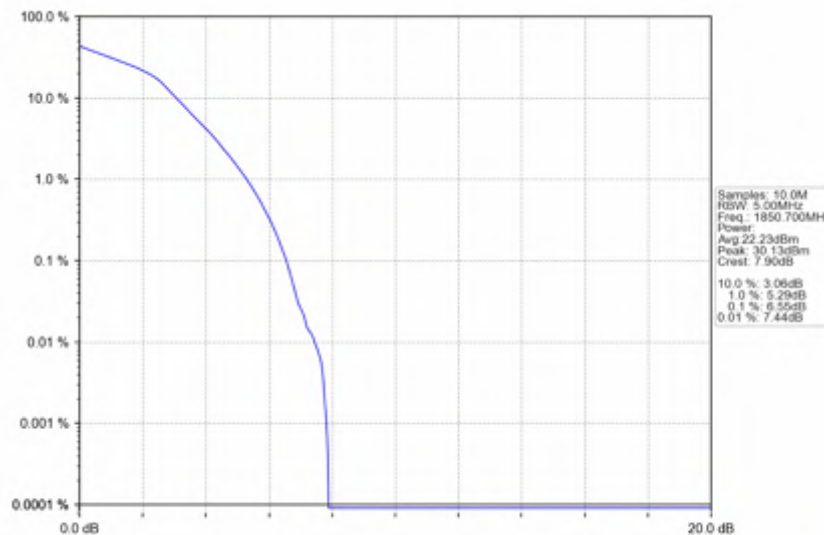
(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

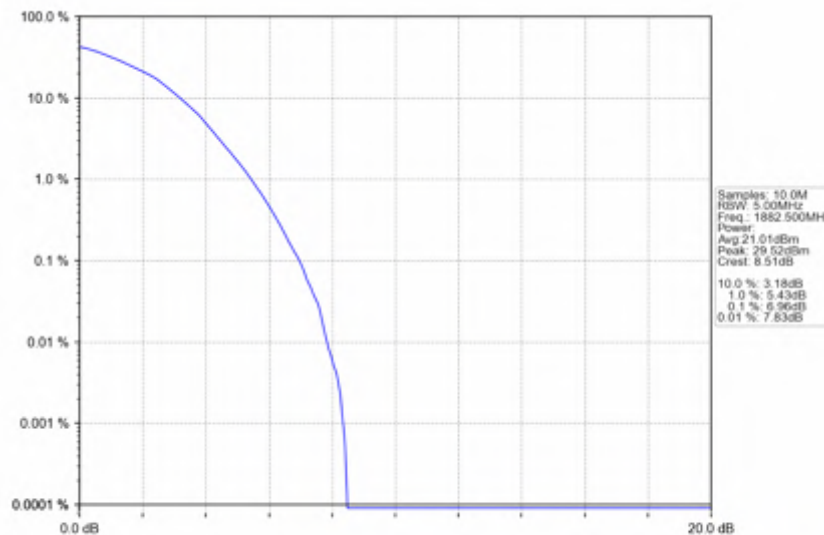
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路10号 邮编 215300

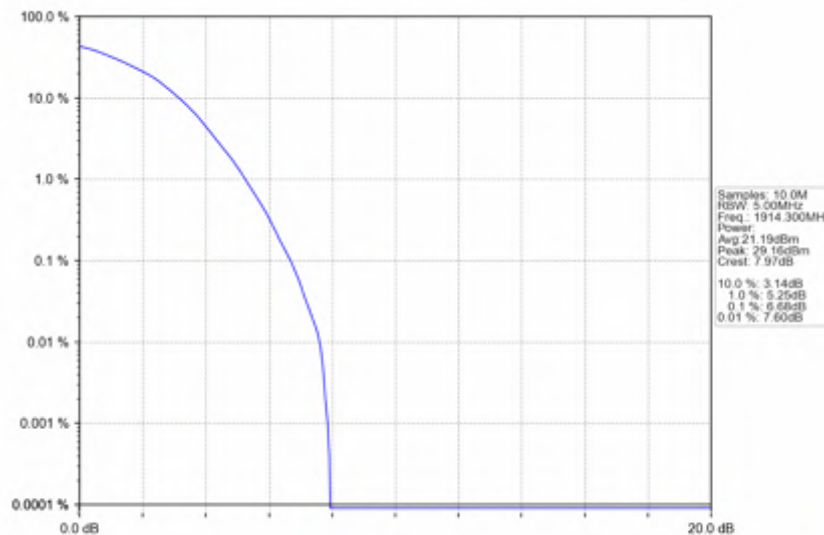
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路10号 邮编 215300

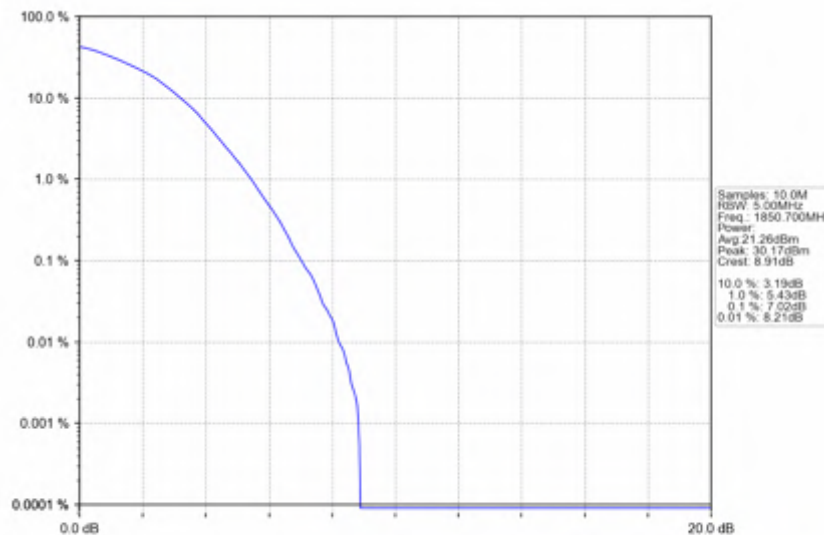
(86-512) 57350888

(86-512) 57370011

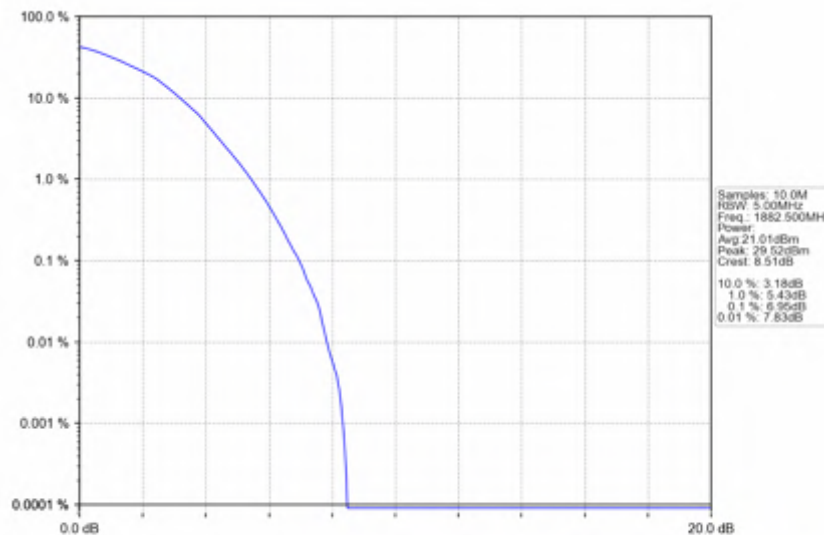
www.sgs.com.cn

sgs.china@sgs.com

Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV



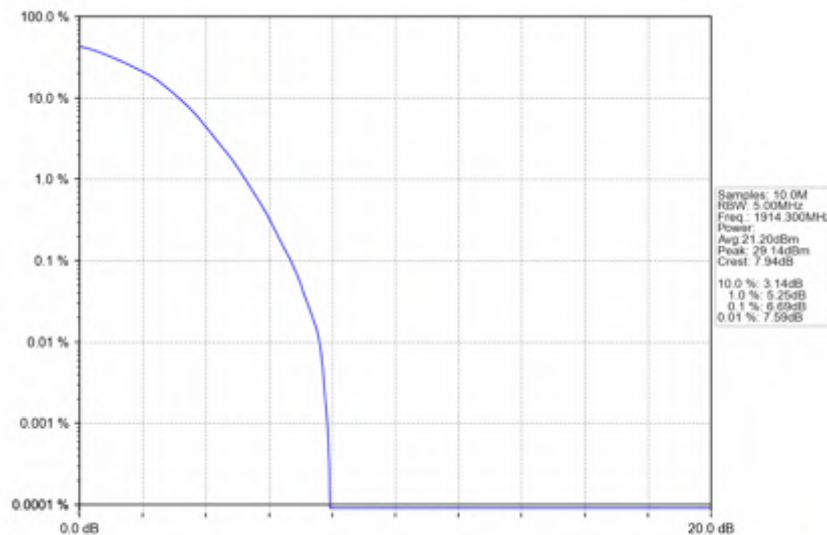
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

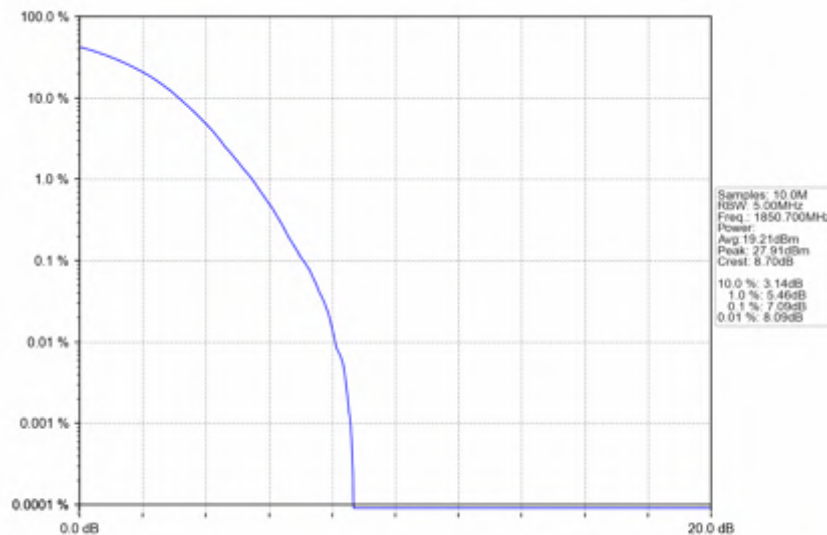
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band25_1.4MHz_64QAM_HCH_1914.3MHz_RB_6_0_NTNV



Band25_1.4MHz_256QAM_LCH_1850.7MHz_RB_6_0_NTNV



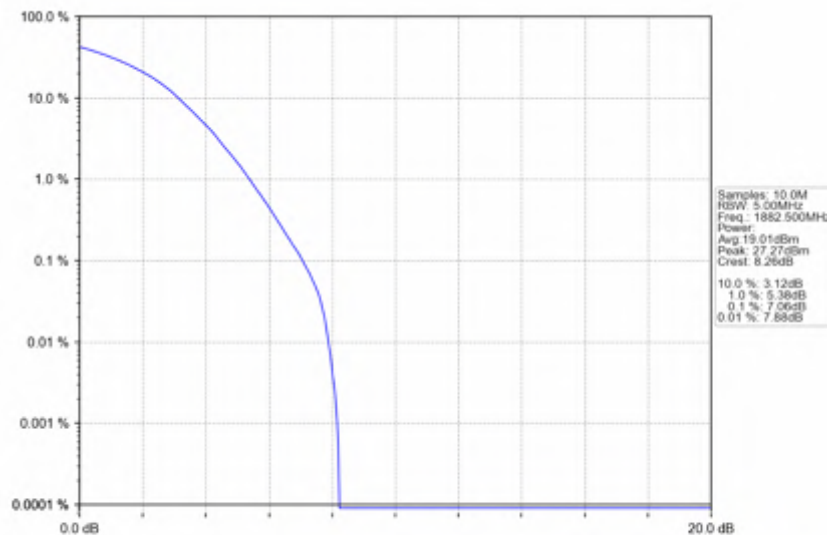
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57356888 or email: CH.Official@sgs.com

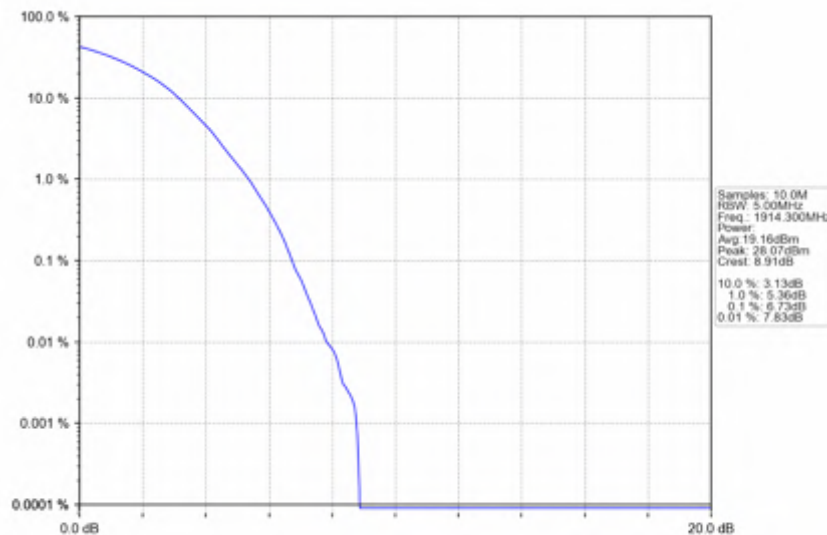
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370111 www.sgsgroup.com.cn
 (86-512) 57356888 (86-512) 57370111 sgs.china@sgs.com

Band25_1.4MHz_256QAM_MCH_1882.5MHz_RB_6_0_NTNV



Band25_1.4MHz_256QAM_HCH_1914.3MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512)99771001 or email: CH.Official@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512)57350888 (86-512)57370011 www.sgs.com.cn
(86-512)57350888 (86-512)57370011 sgs.china@sgs.com



5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.85	<=13	Pass
	1882.5	15	0	6.92	<=13	Pass
	1913.5	15	0	6.79	<=13	Pass
16QAM	1851.5	15	0	6.64	<=13	Pass
	1882.5	15	0	6.91	<=13	Pass
	1913.5	15	0	6.79	<=13	Pass
64QAM	1851.5	15	0	6.94	<=13	Pass
	1882.5	15	0	6.91	<=13	Pass
	1913.5	15	0	6.80	<=13	Pass
256QAM	1851.5	15	0	7.13	<=13	Pass
	1882.5	15	0	7.00	<=13	Pass
	1913.5	15	0	6.87	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

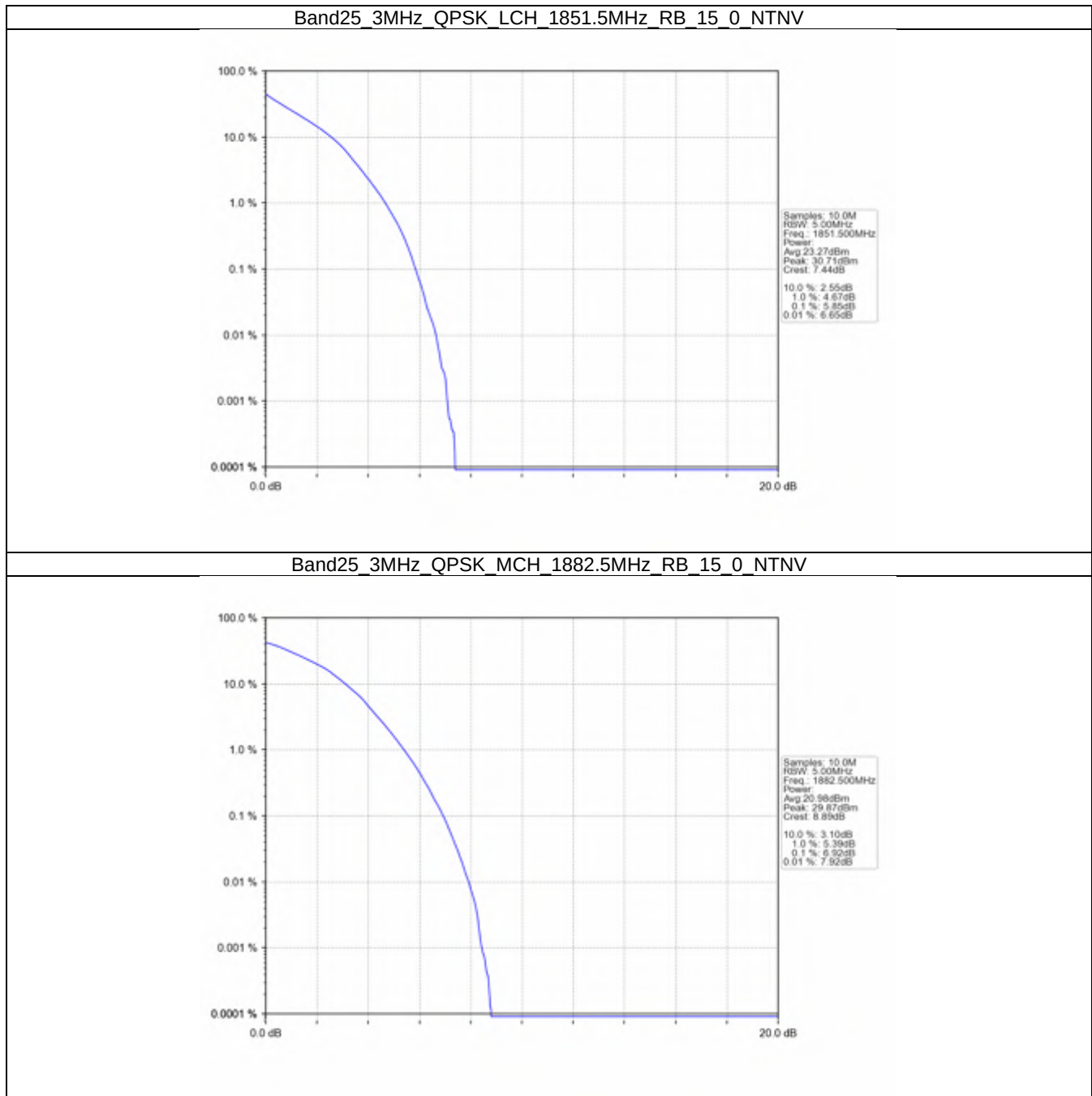
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

5.2.2 Test Graph



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 herein 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 ensure the authenticity of testing information report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com

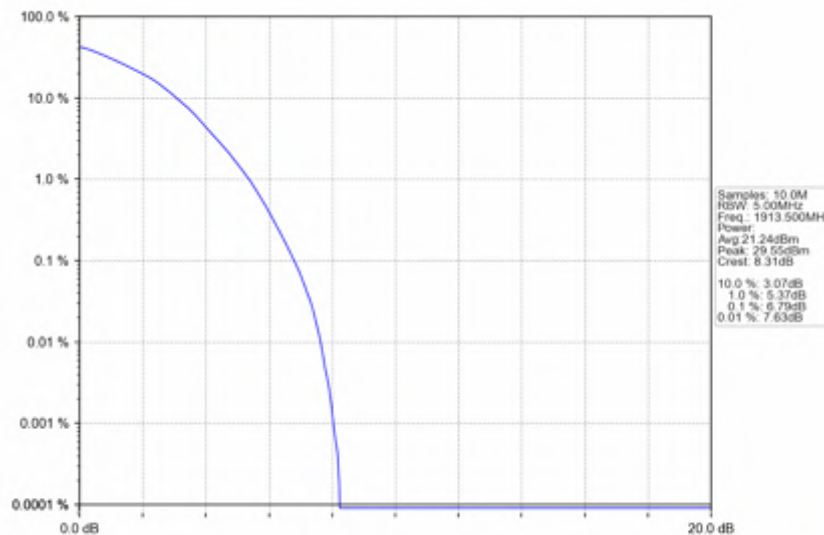
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

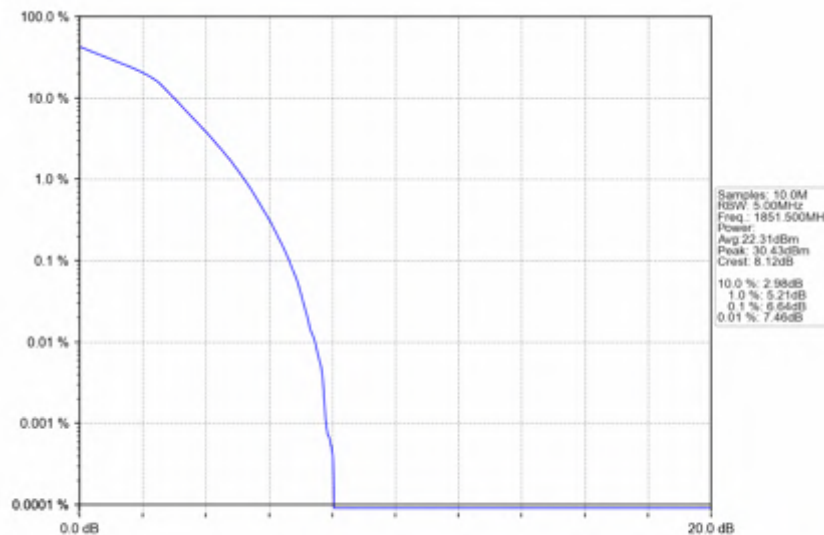
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



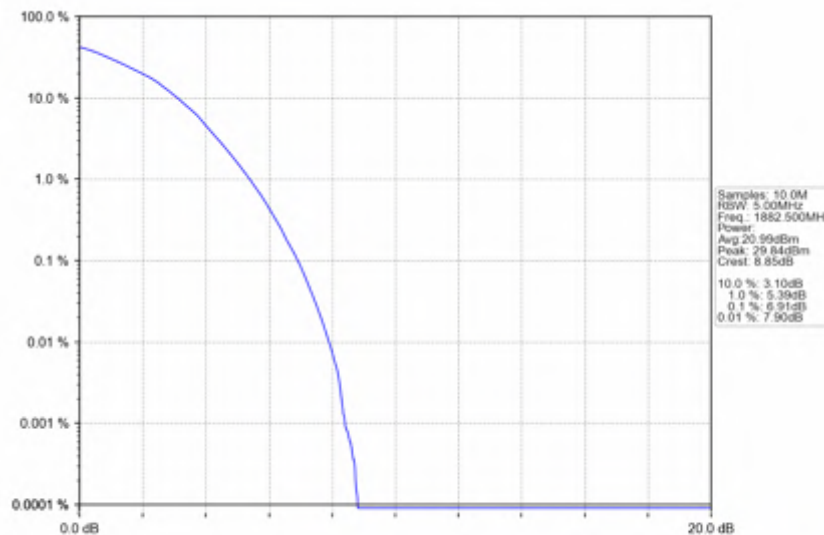
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512)99771001 or email: CH.Official@sgs.com

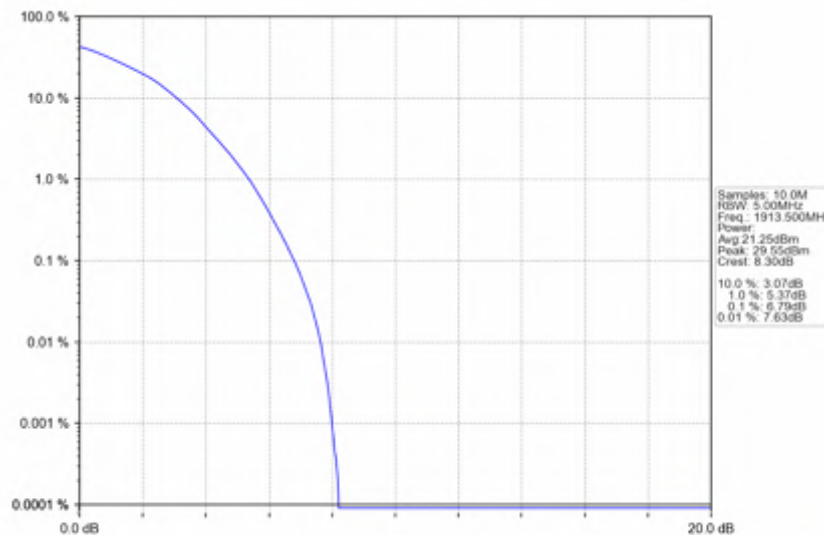
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512)57356888 (86-512)57370111 www.sgs.com.cn
 (86-512)57356888 (86-512)57370111 sgs.china@sgs.com

Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

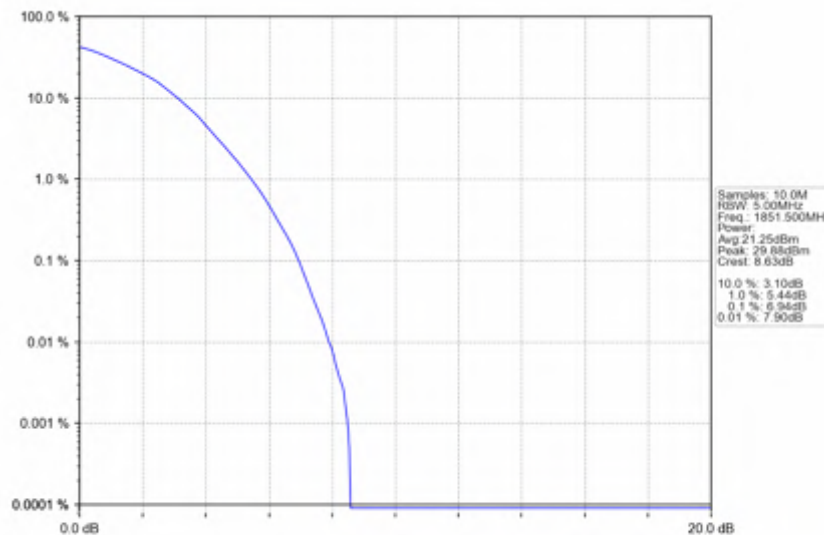
(86-512) 57350888

(86-512) 57370011

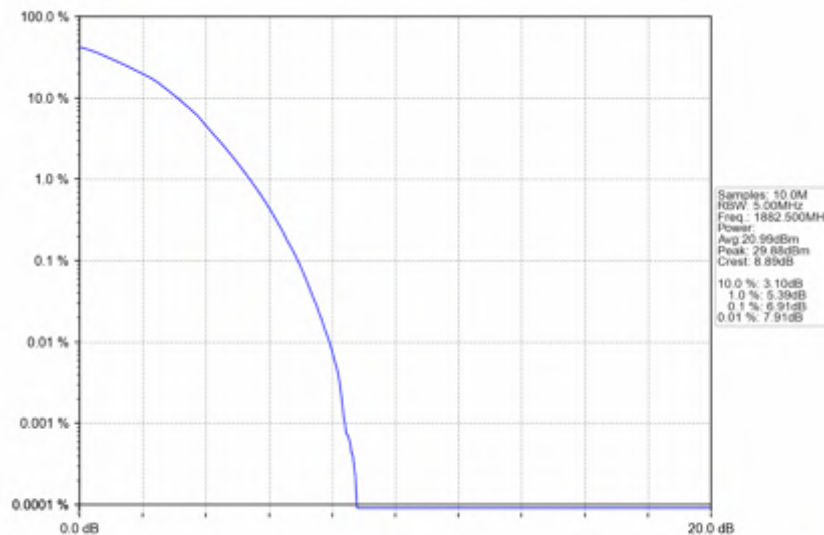
www.sgs.com.cn

sgs.china@sgs.com

Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band25_3MHz_64QAM_MCH_1882.5MHz_RB_15_0_NTNV

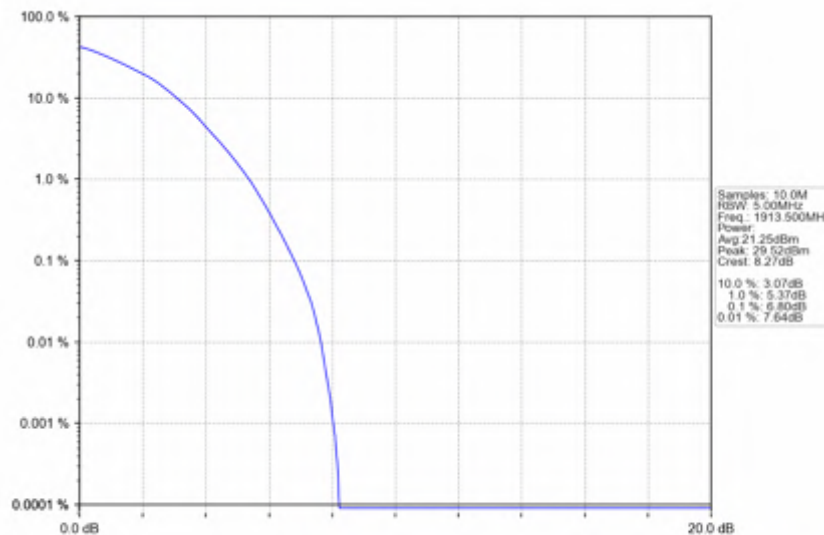


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

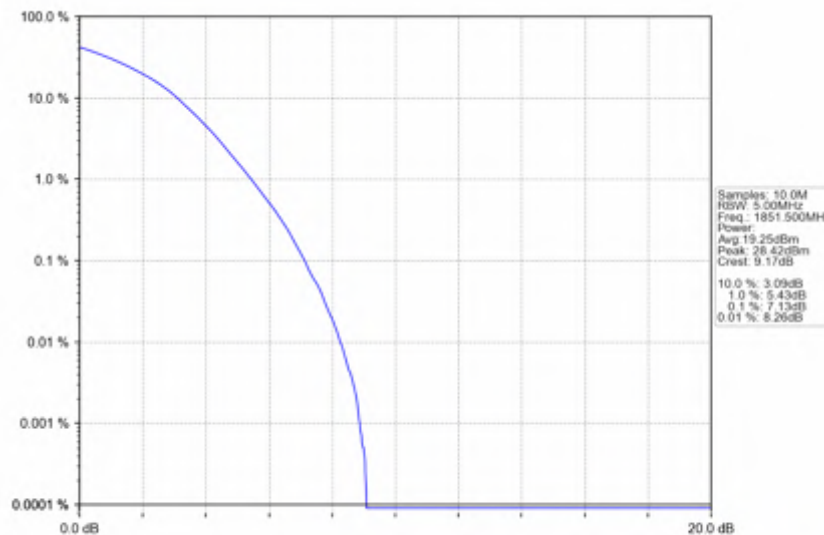
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_3MHz_64QAM_HCH_1913.5MHz_RB_15_0_NTNV



Band25_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV

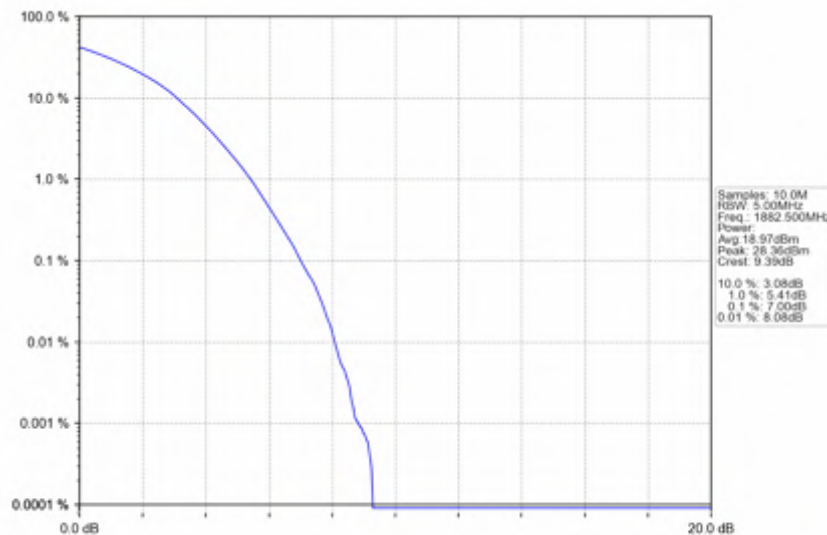


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

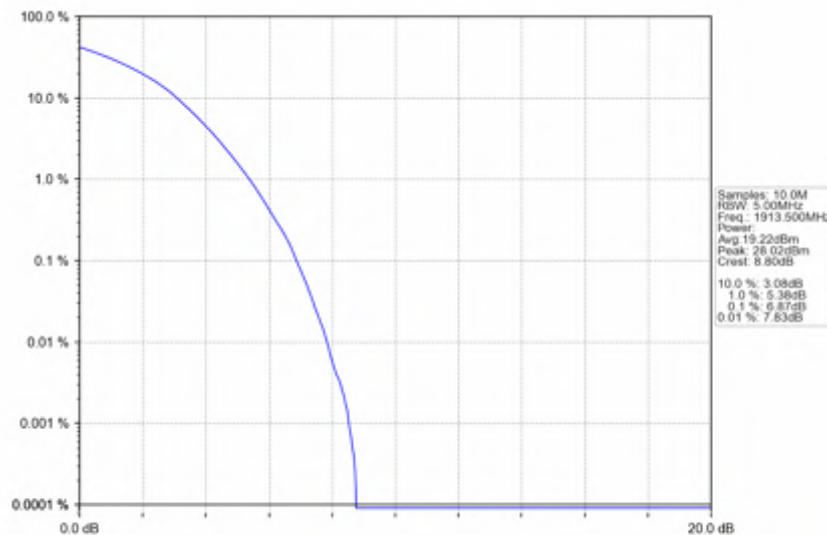
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_3MHz_256QAM_MCH_1882.5MHz_RB_15_0_NTNV



Band25_3MHz_256QAM_HCH_1913.5MHz_RB_15_0_NTNV



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 herein 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 certification report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com



5.3 B25_5MHz

5.3.1 Test Result

Band: 25 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.86	<=13	Pass
	1882.5	25	0	6.81	<=13	Pass
	1912.5	25	0	6.73	<=13	Pass
16QAM	1852.5	25	0	6.53	<=13	Pass
	1882.5	25	0	6.80	<=13	Pass
	1912.5	25	0	6.75	<=13	Pass
64QAM	1852.5	25	0	6.75	<=13	Pass
	1882.5	25	0	6.81	<=13	Pass
	1912.5	25	0	6.73	<=13	Pass
256QAM	1852.5	25	0	6.89	<=13	Pass
	1882.5	25	0	6.98	<=13	Pass
	1912.5	25	0	6.93	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

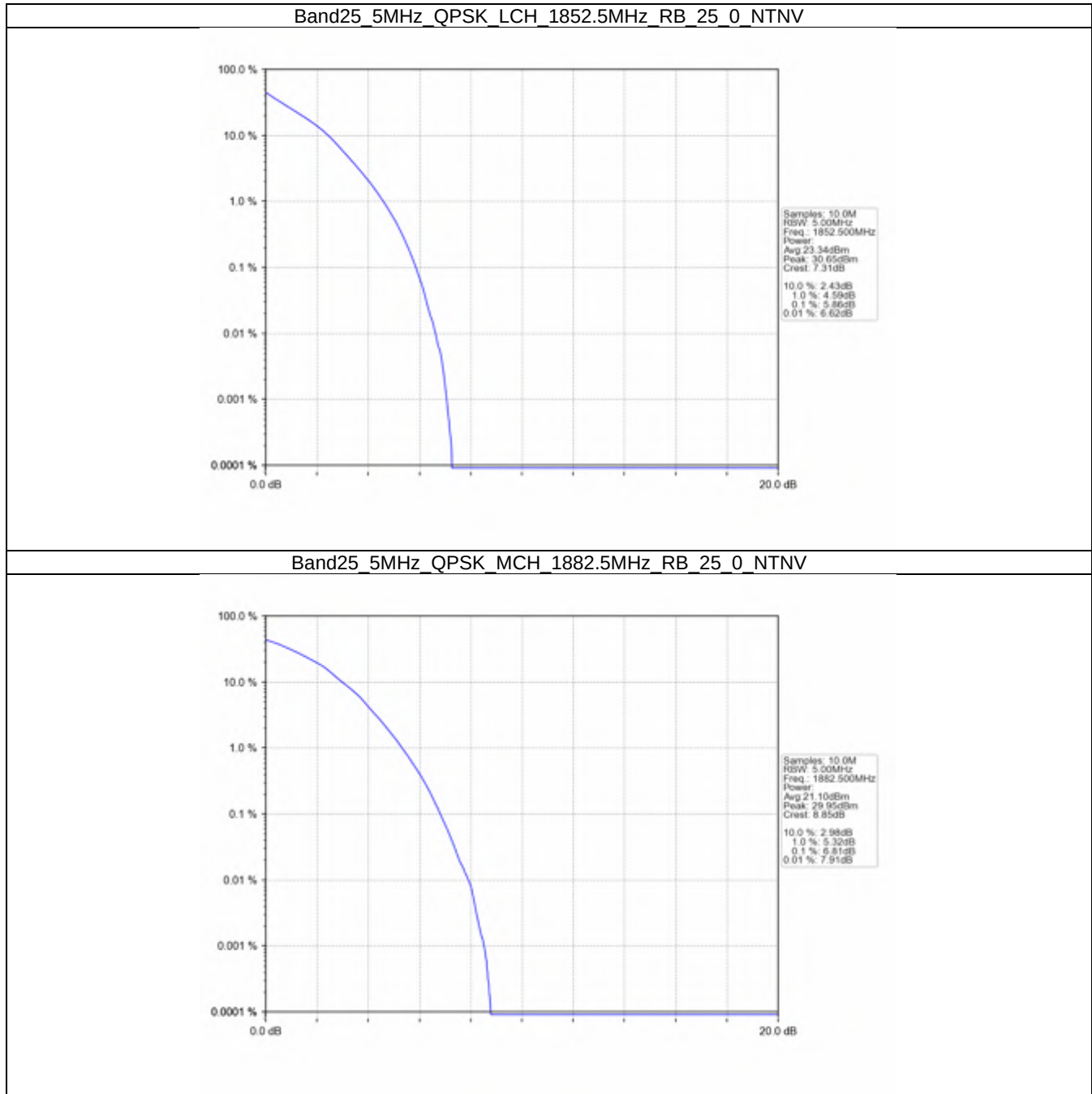
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgsgroup.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

5.3.2 Test Graph



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 herein 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 ensure the authenticity of testing information report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

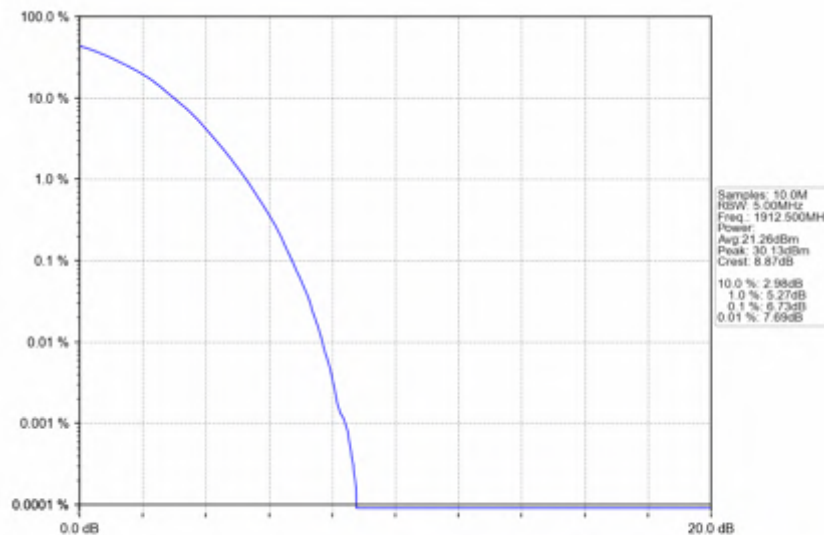
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

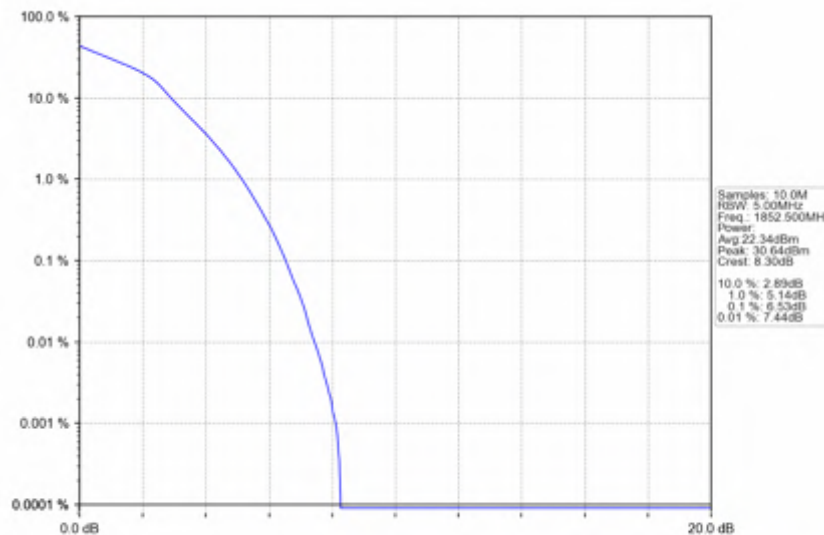
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

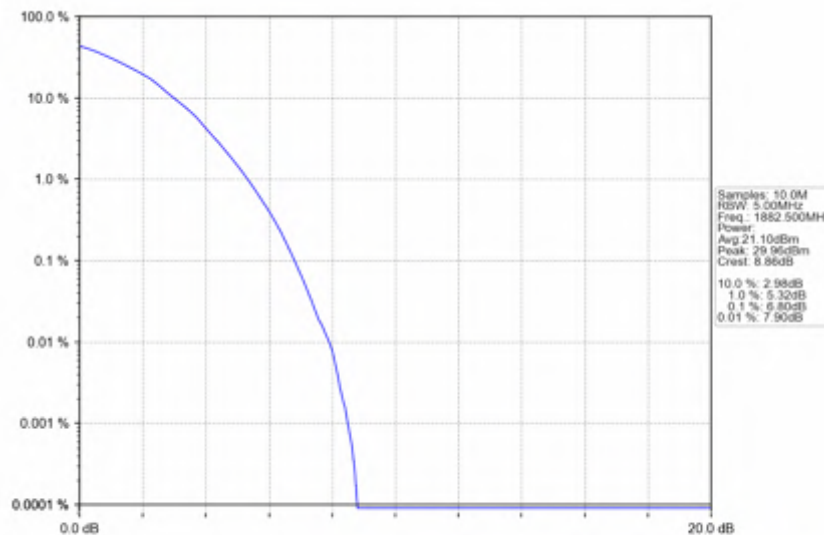


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

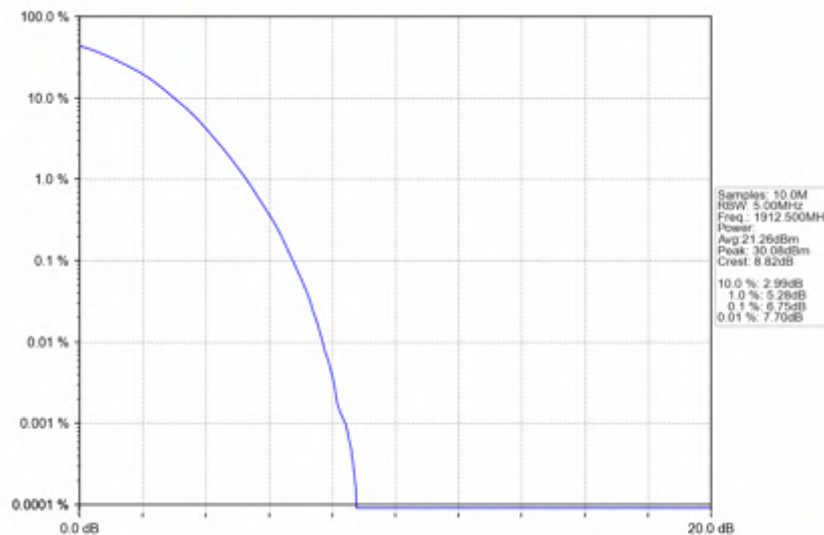
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV

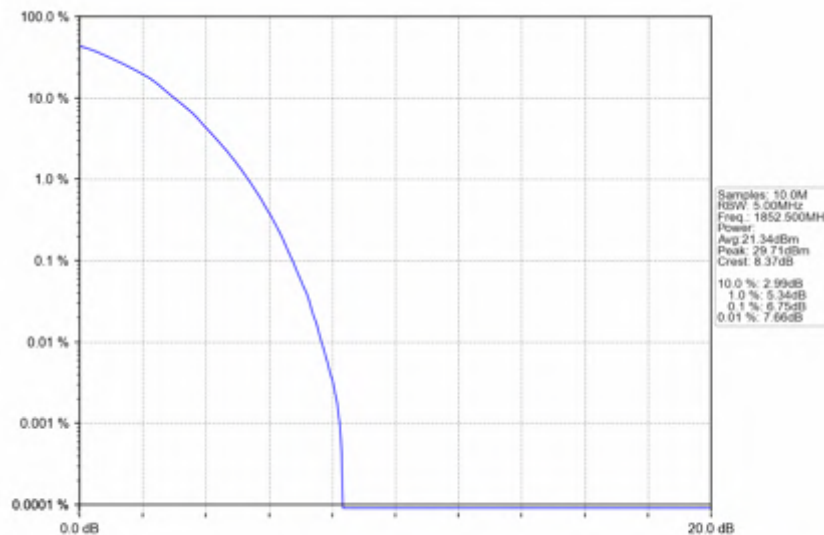


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents
 subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

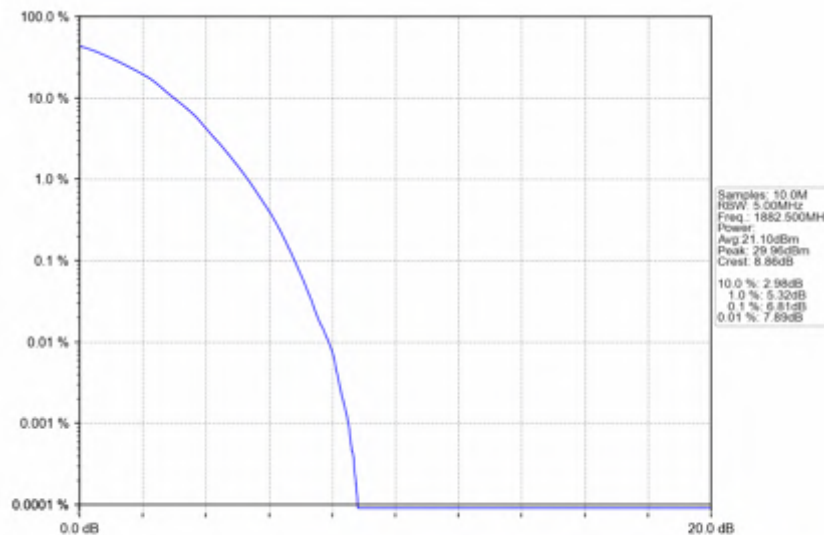
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band25_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band25_5MHz_64QAM_MCH_1882.5MHz_RB_25_0_NTNV

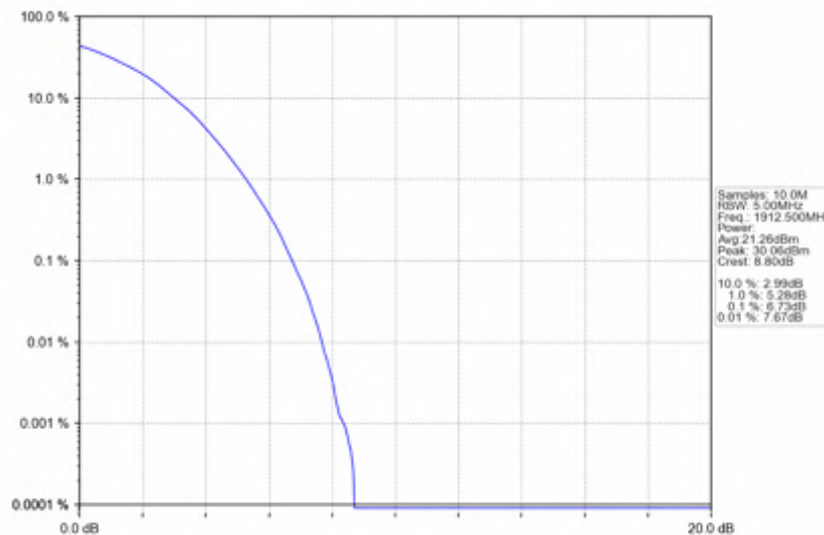


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

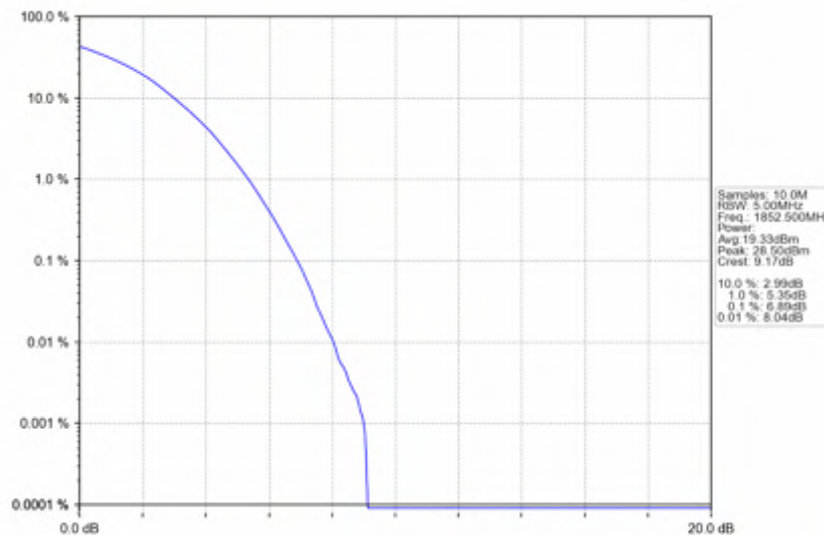
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band25_5MHz_64QAM_HCH_1912.5MHz_RB_25_0_NTNV



Band25_5MHz_256QAM_LCH_1852.5MHz_RB_25_0_NTNV

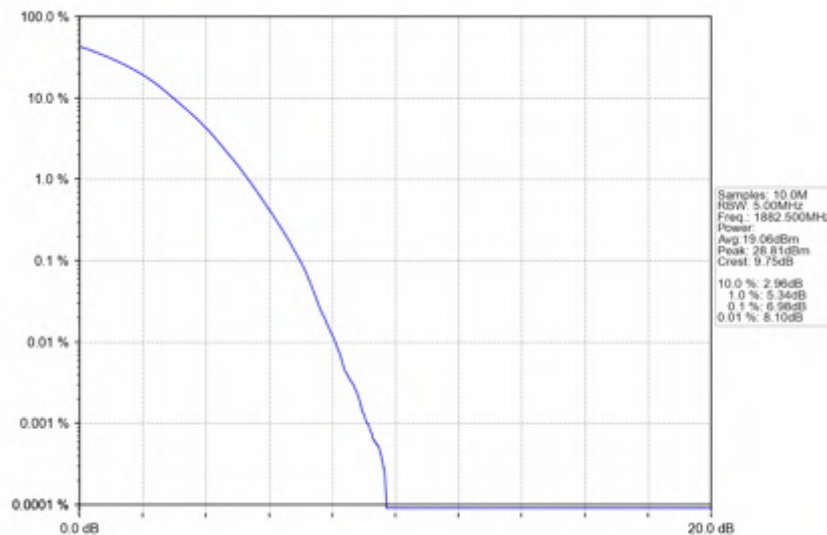


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

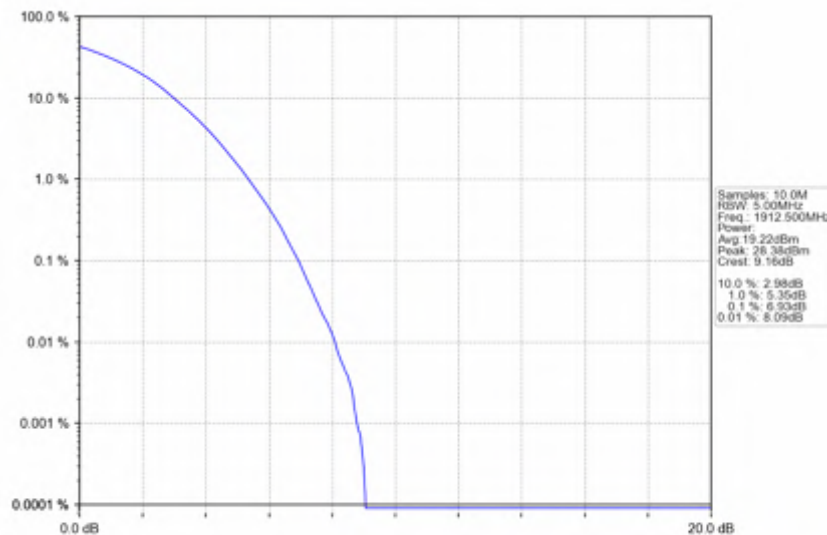
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band25_5MHz_256QAM_MCH_1882.5MHz_RB_25_0_NTNV



Band25_5MHz_256QAM_HCH_1912.5MHz_RB_25_0_NTNV



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Official@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com



5.4 B25_10MHz

5.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.38	<=13	Pass
	1882.5	50	0	6.75	<=13	Pass
	1910	50	0	6.77	<=13	Pass
16QAM	1855	50	0	6.56	<=13	Pass
	1882.5	50	0	6.75	<=13	Pass
	1910	50	0	6.78	<=13	Pass
64QAM	1855	50	0	6.80	<=13	Pass
	1882.5	50	0	6.75	<=13	Pass
	1910	50	0	6.77	<=13	Pass
256QAM	1855	50	0	6.83	<=13	Pass
	1882.5	50	0	6.79	<=13	Pass
	1910	50	0	6.86	<=13	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 herein 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 ensure the authenticity of testing notification reports & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

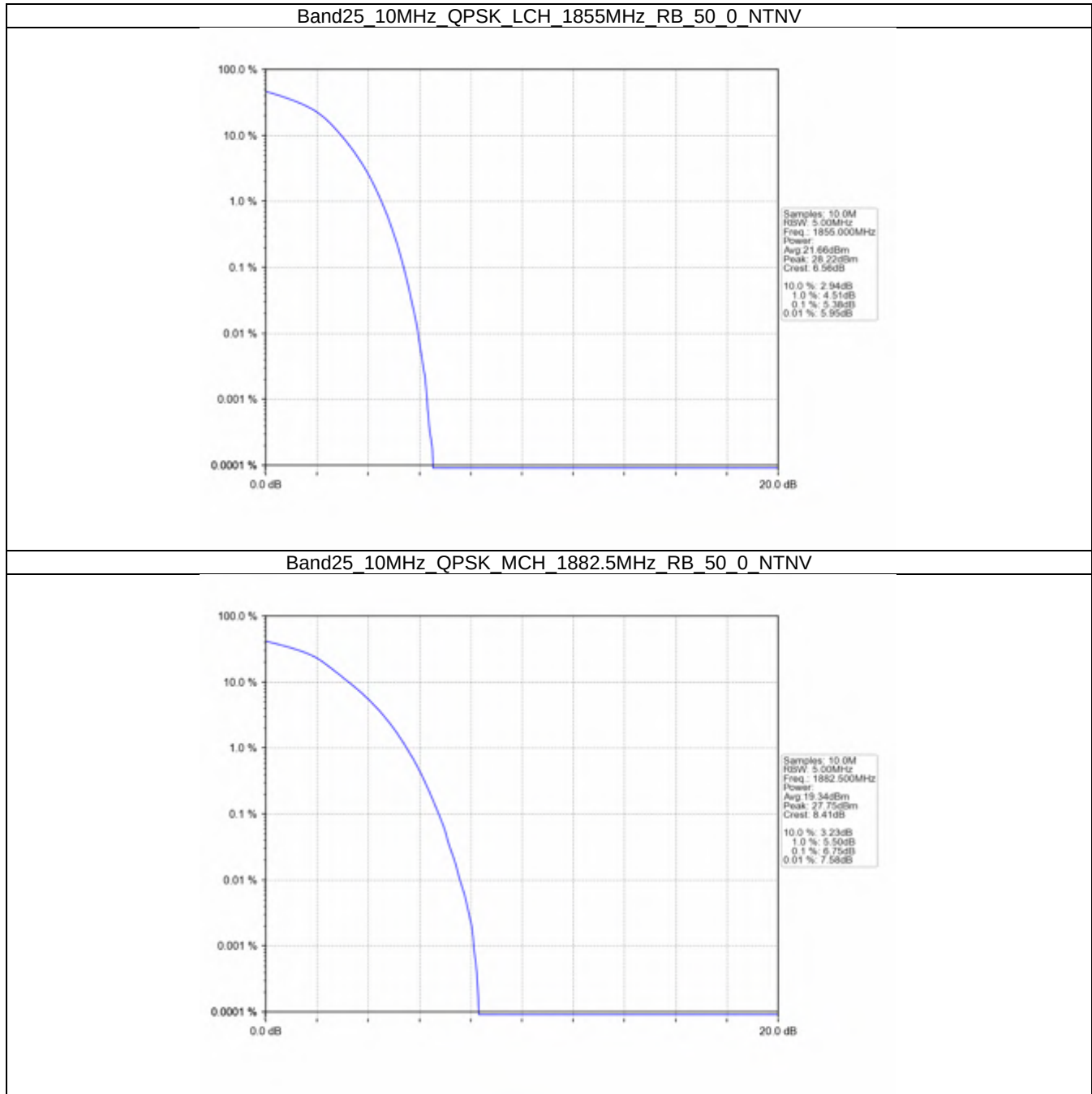
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

5.4.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

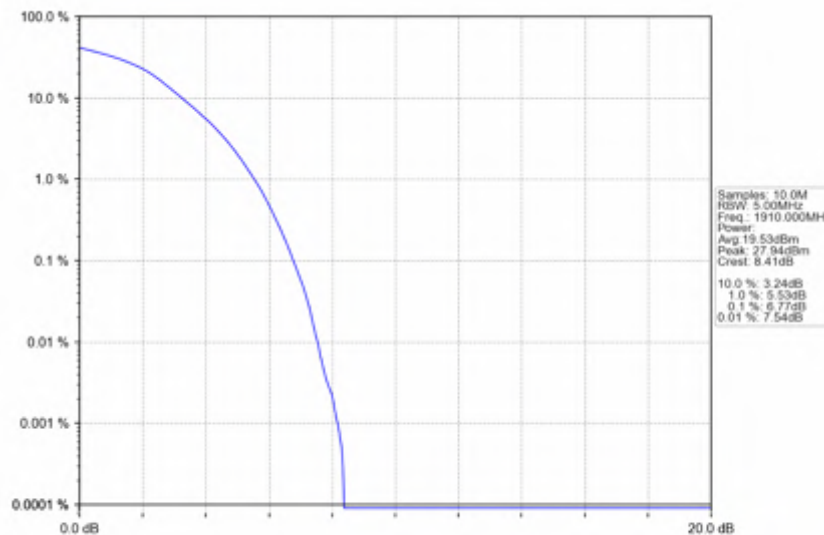
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

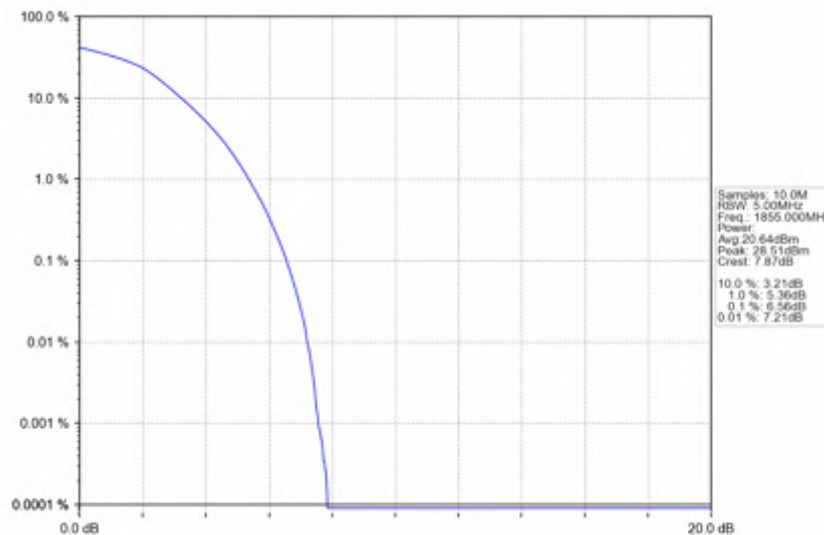
(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



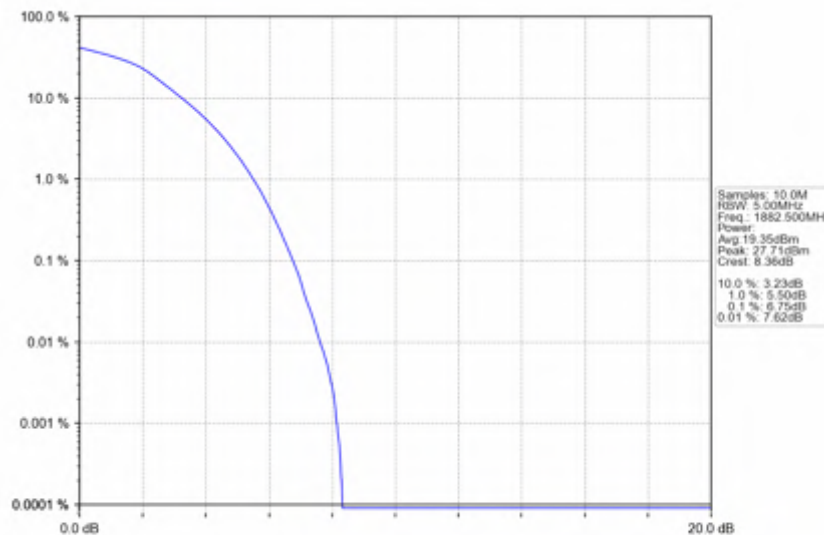
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

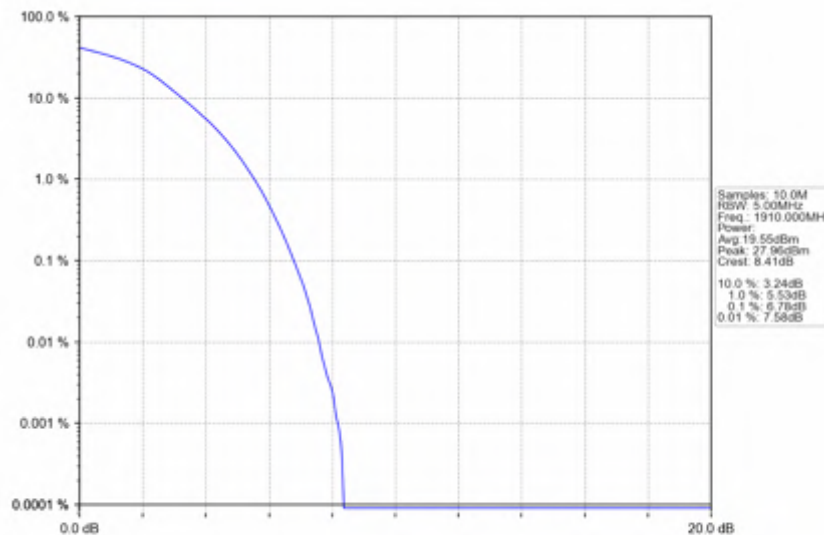
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV

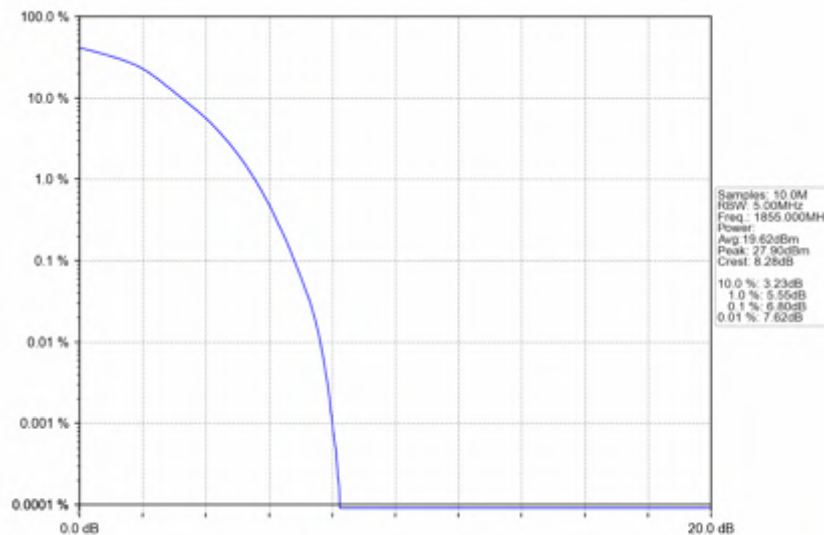


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

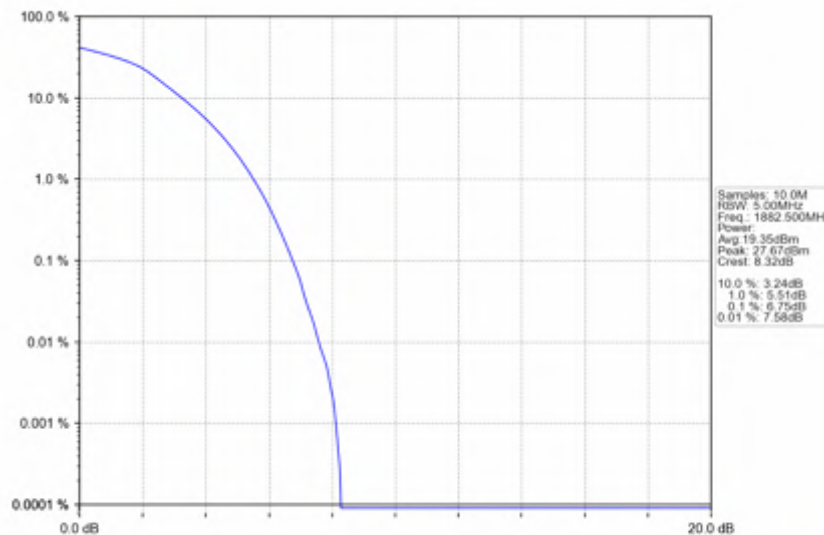
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band25_10MHz_64QAM_MCH_1882.5MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57350888

(86-512) 57370011

(86-512) 57350888

(86-512) 57370011

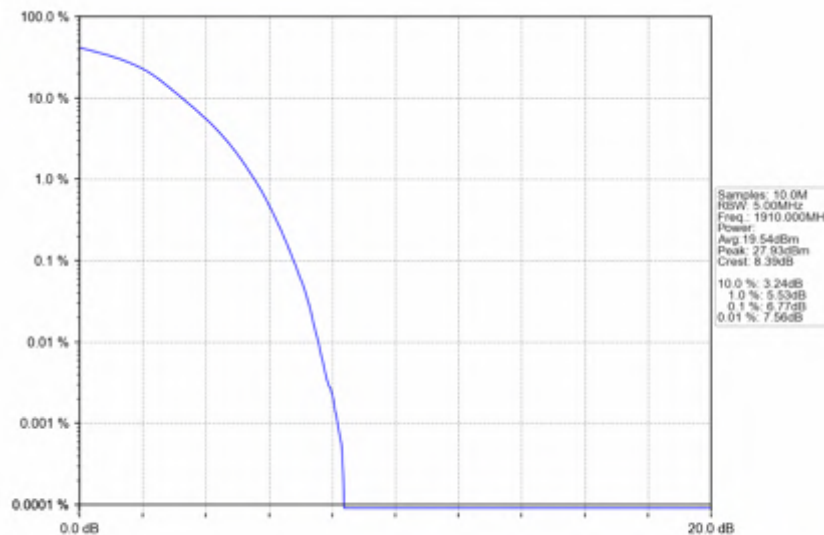
www.sgs.com.cn

sgs.china@sgs.com

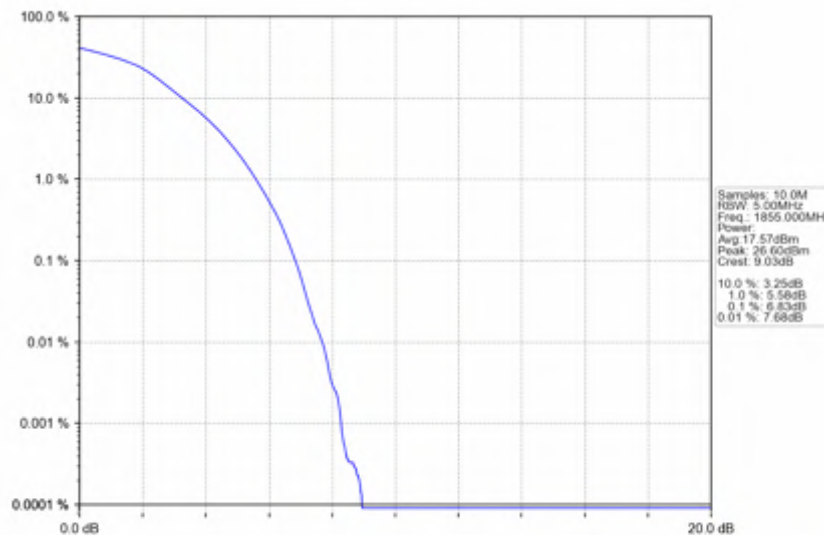
www.sgs.com.cn

sgs.china@sgs.com

Band25_10MHz_64QAM_HCH_1910MHz_RB_50_0_NTNV



Band25_10MHz_256QAM_LCH_1855MHz_RB_50_0_NTNV

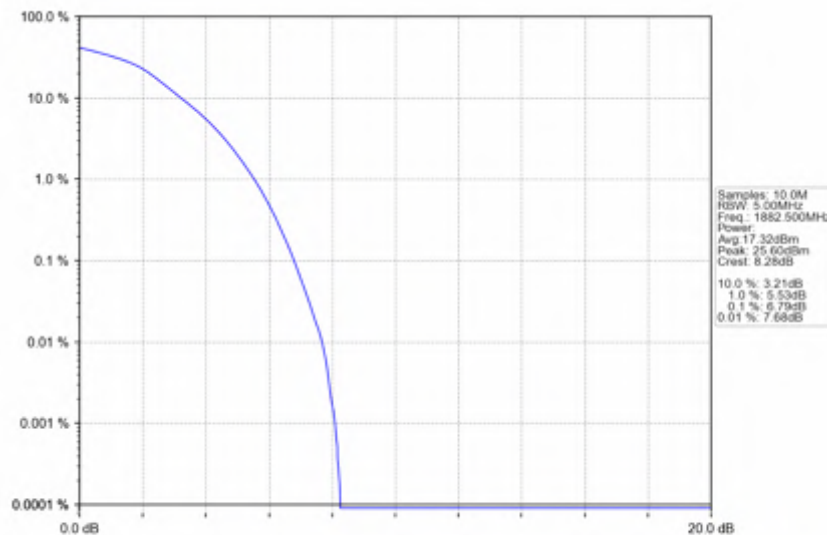


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

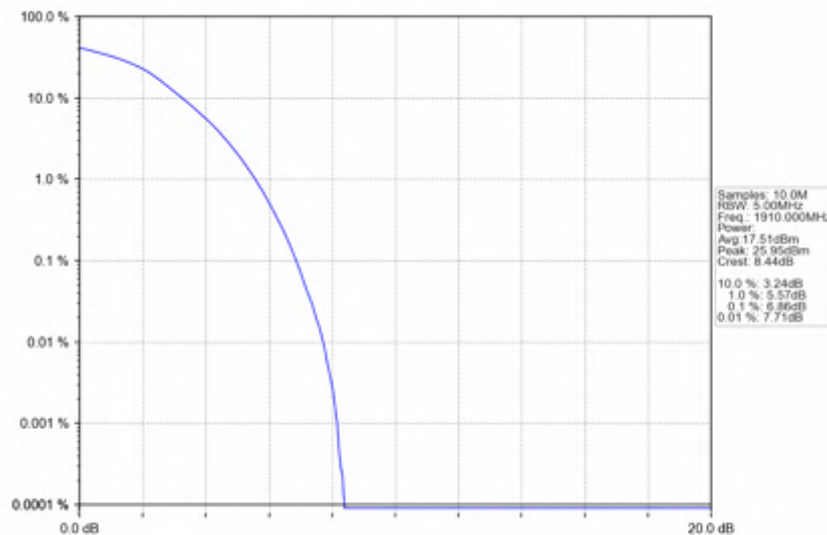
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_10MHz_256QAM_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_256QAM_HCH_1910MHz_RB_50_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370111 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370111 sgs.china@sgs.com



5.5 B25_15MHz

5.5.1 Test Result

Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	6.29	<=13	Pass
	1882.5	75	0	7.17	<=13	Pass
	1907.5	75	0	7.19	<=13	Pass
16QAM	1857.5	75	0	6.99	<=13	Pass
	1882.5	75	0	7.16	<=13	Pass
	1907.5	75	0	7.18	<=13	Pass
64QAM	1857.5	75	0	7.24	<=13	Pass
	1882.5	75	0	7.17	<=13	Pass
	1907.5	75	0	7.18	<=13	Pass
256QAM	1857.5	75	0	7.22	<=13	Pass
	1882.5	75	0	7.25	<=13	Pass
	1907.5	75	0	7.27	<=13	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 herein 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 certification reports & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

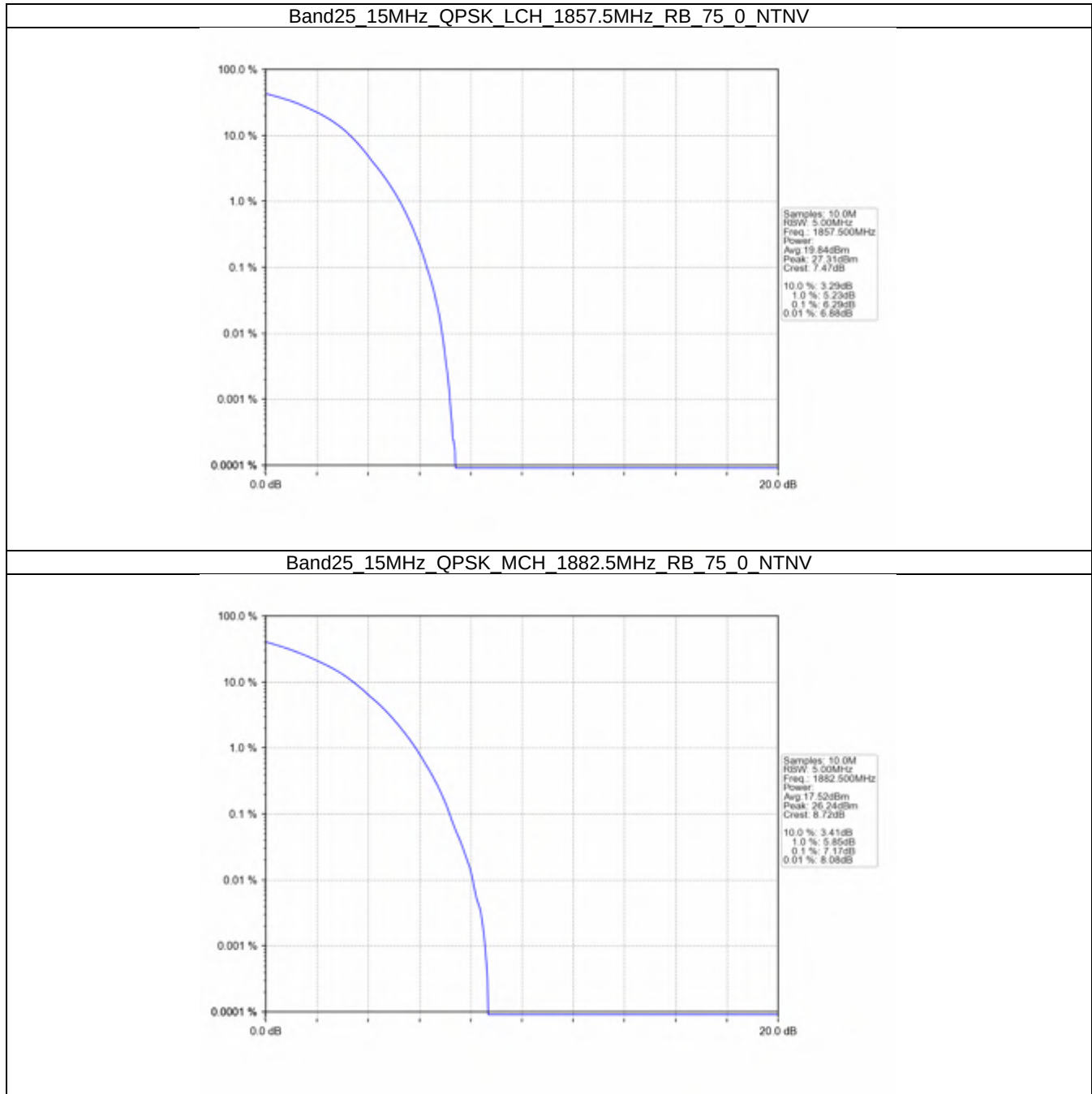
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

5.5.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

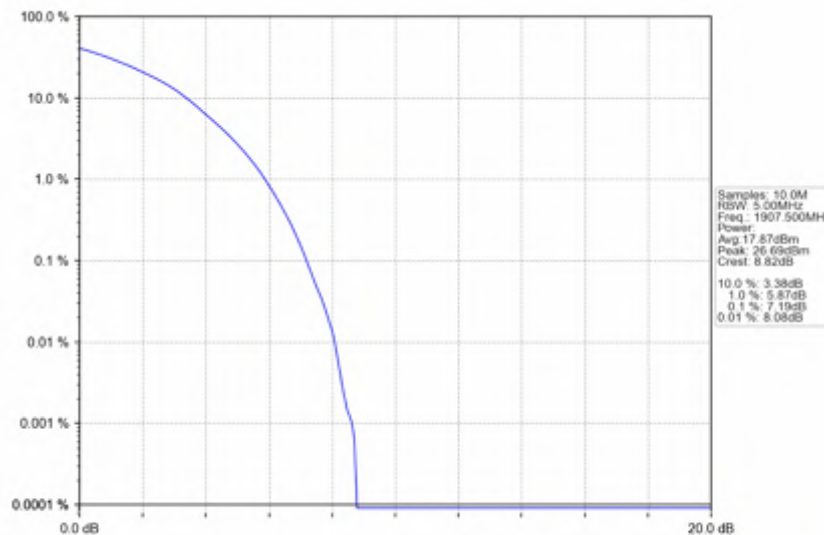
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

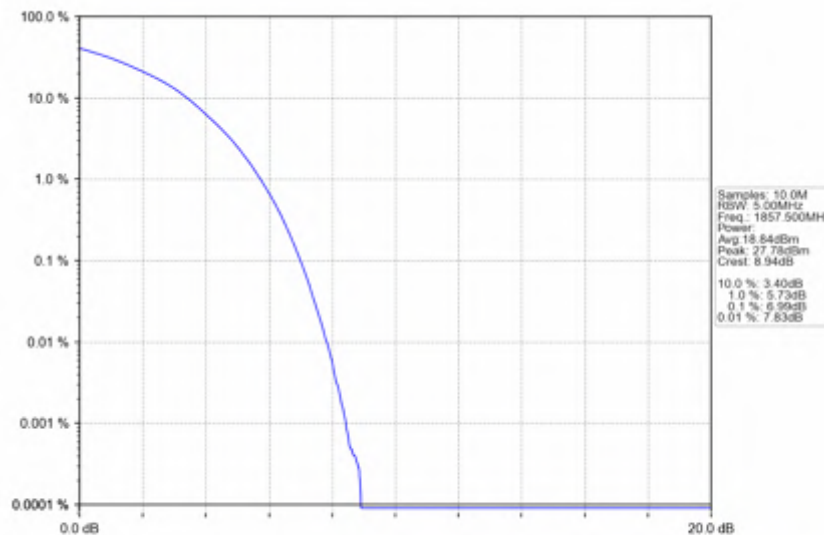
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV

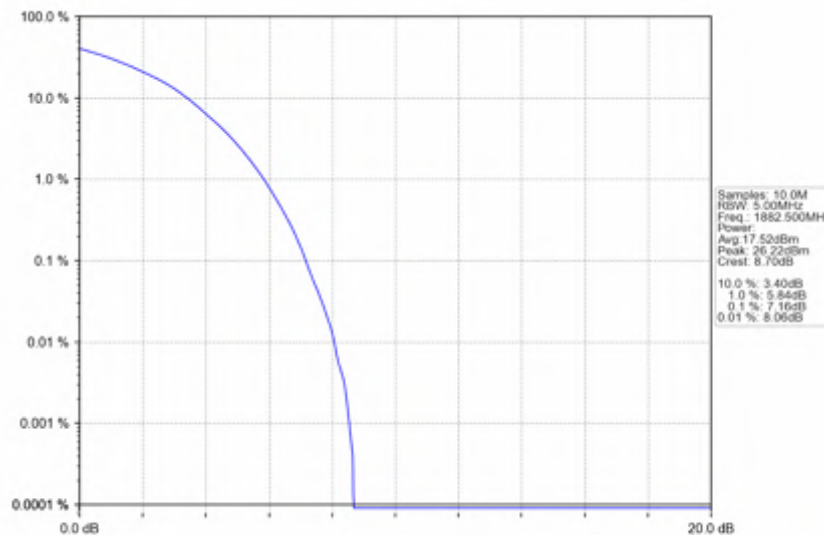


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report & certificates, please contact us at telephone: (86-512) 57350000
 or email: CH-Check@sgs.com

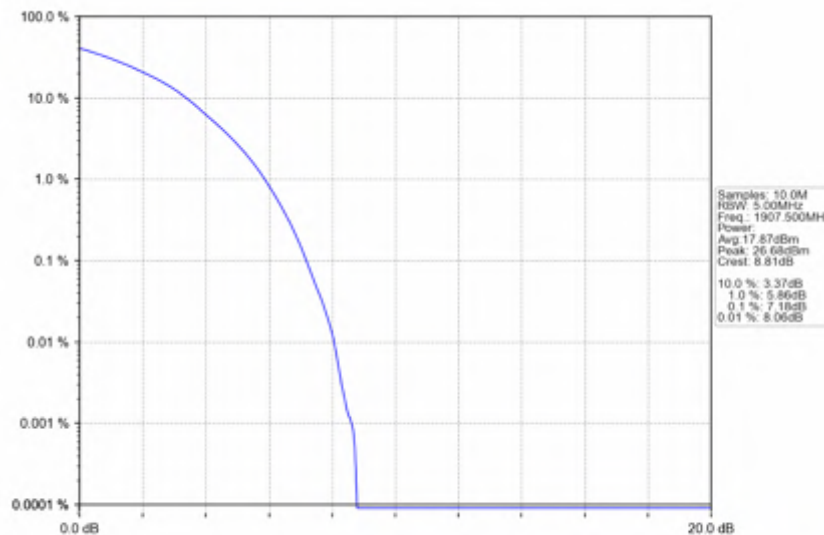
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57350000 (86-512) 57370010 www.sgs.com.cn
 (86-512) 57350000 (86-512) 57370010 sgs.china@sgs.com

Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV

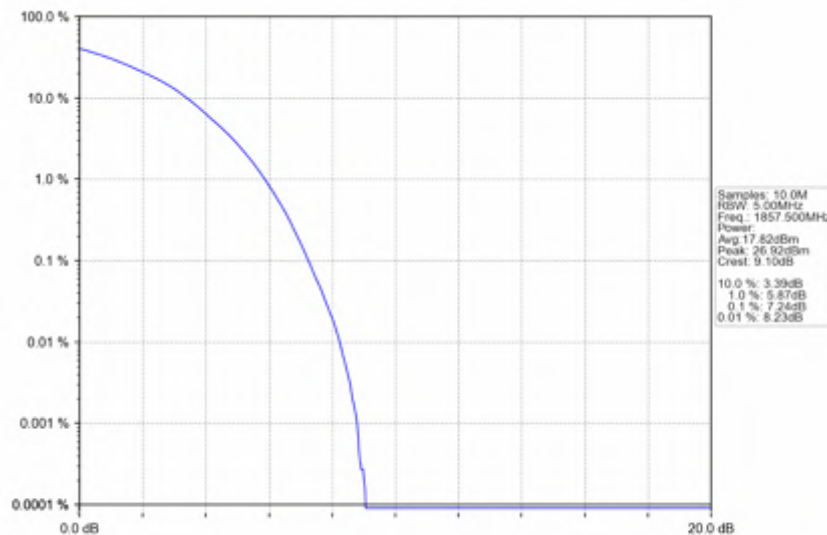


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Overseas@sgs.com

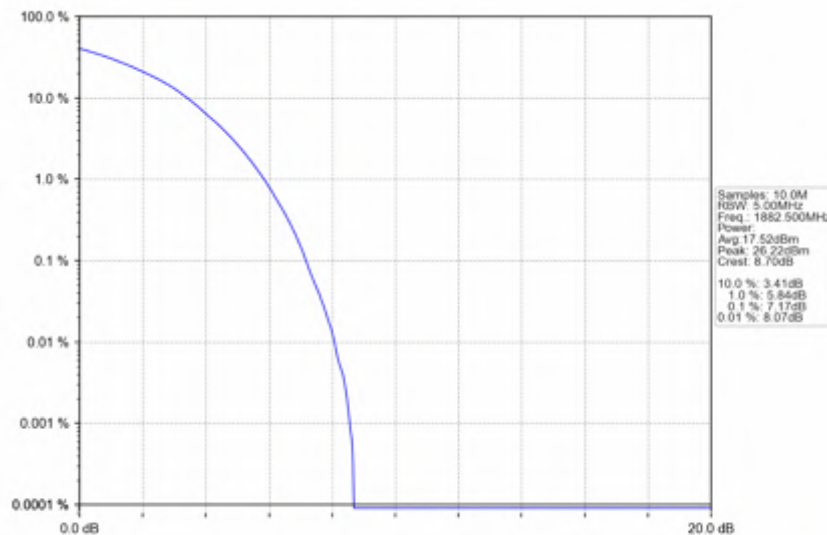
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV



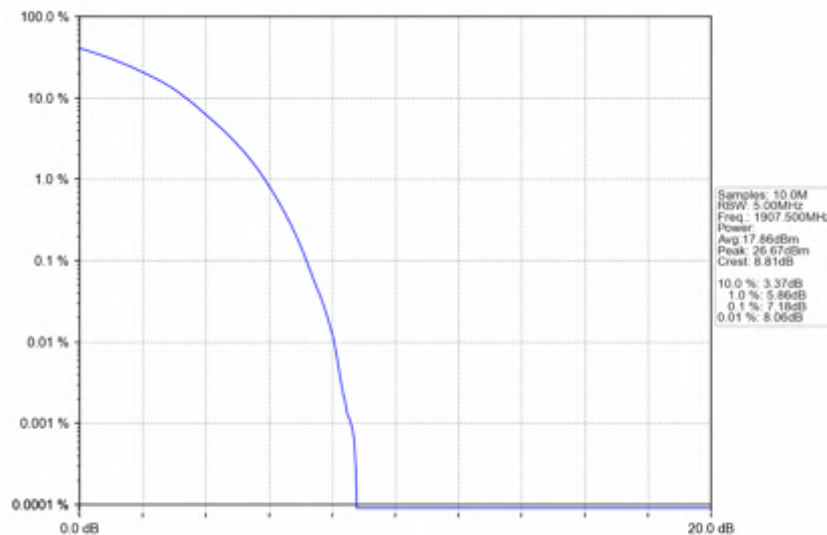
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512)99771111 or email: CH.Overseas@sgs.com

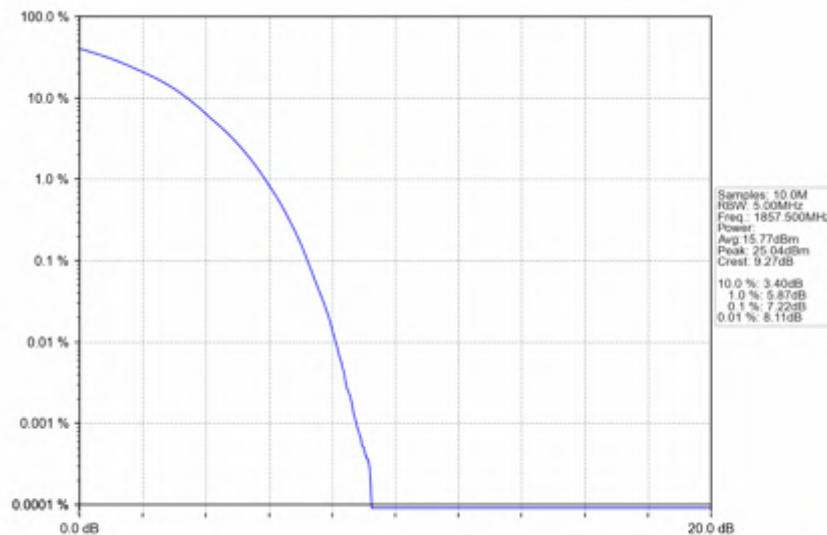
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 (86-512)57350888 (86-512)57370111 www.sgs.com.cn

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300 (86-512)57350888 (86-512)57370111 sgs.china@sgs.com

Band25_15MHz_64QAM_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_256QAM_LCH_1857.5MHz_RB_75_0_NTNV

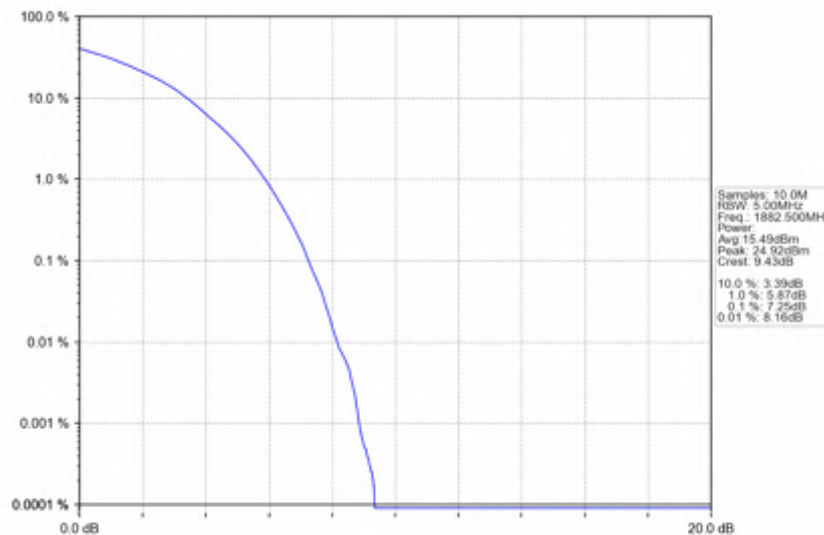


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CH-Check@sgs.com

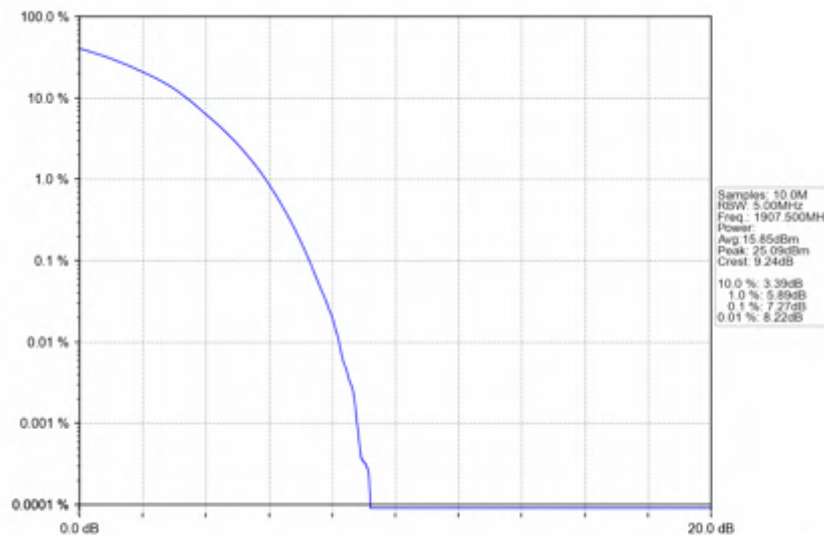
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_15MHz_256QAM_MCH_1882.5MHz_RB_75_0_NTNV



Band25_15MHz_256QAM_HCH_1907.5MHz_RB_75_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370111 www.sgs.com.cn

(86-512) 57350888 (86-512) 57370111 sgs.china@sgs.com



5.6 B25_20MHz

5.6.1 Test Result

Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	6.86	<=13	Pass
	1882.5	100	0	7.45	<=13	Pass
	1905	100	0	7.44	<=13	Pass
16QAM	1860	100	0	7.42	<=13	Pass
	1882.5	100	0	7.46	<=13	Pass
	1905	100	0	7.44	<=13	Pass
64QAM	1860	100	0	7.47	<=13	Pass
	1882.5	100	0	7.44	<=13	Pass
	1905	100	0	7.44	<=13	Pass
256QAM	1860	100	0	7.54	<=13	Pass
	1882.5	100	0	7.43	<=13	Pass
	1905	100	0	7.49	<=13	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 herein 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 ensure the authenticity of testing notification reports & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Online@sgs.com

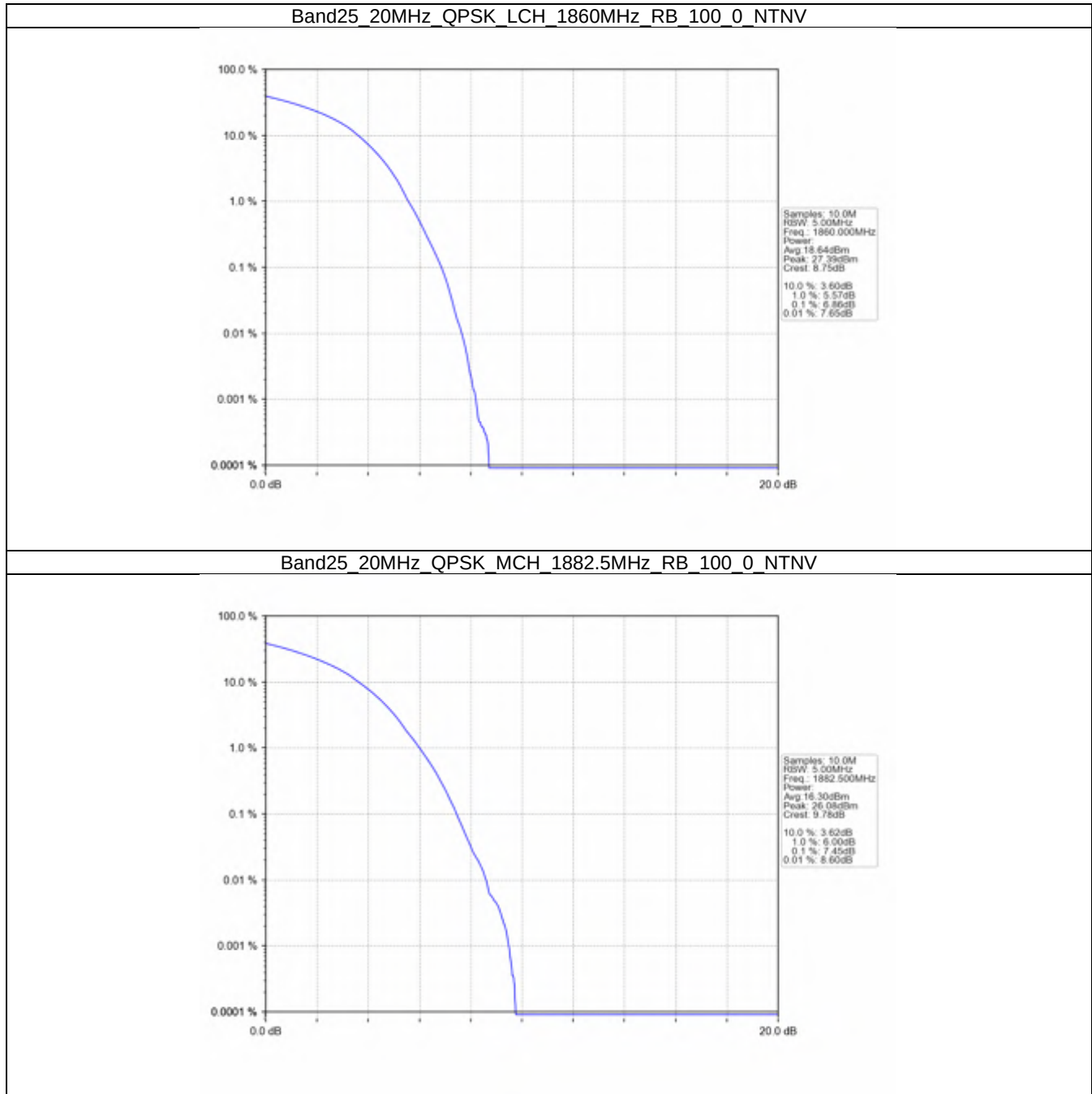
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

5.6.2 Test Graph



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 herein 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 ensure the authenticity of testing information report & certificate, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

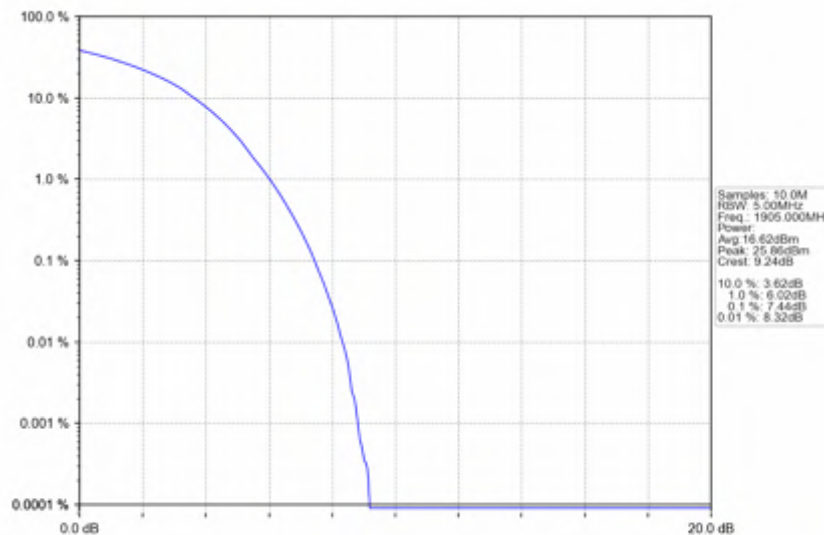
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

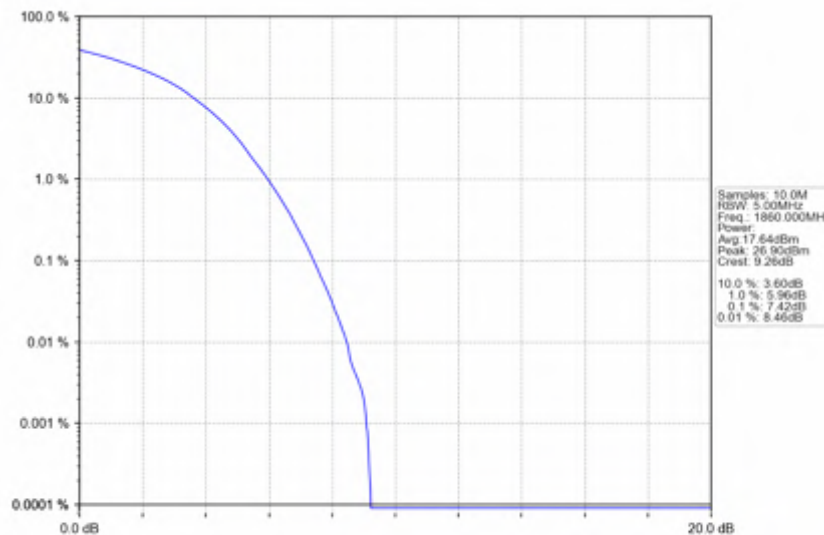
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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 herein 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 conclusion report & certificates, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

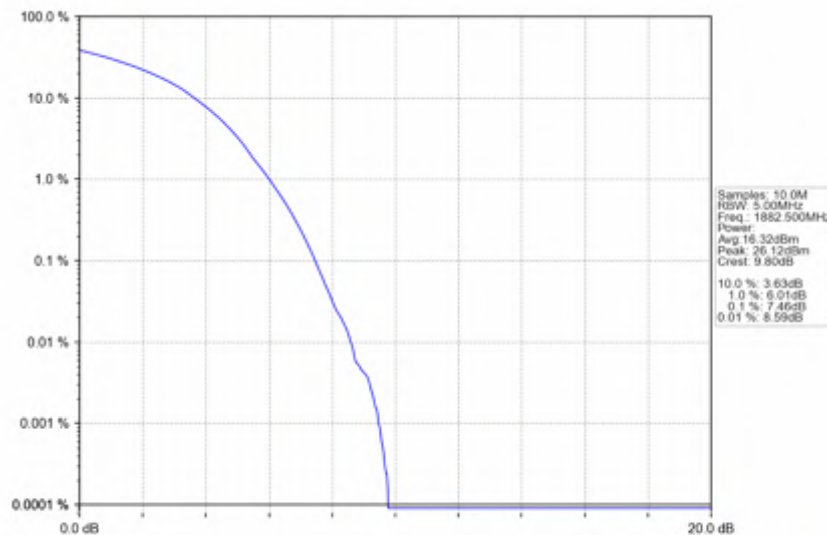
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

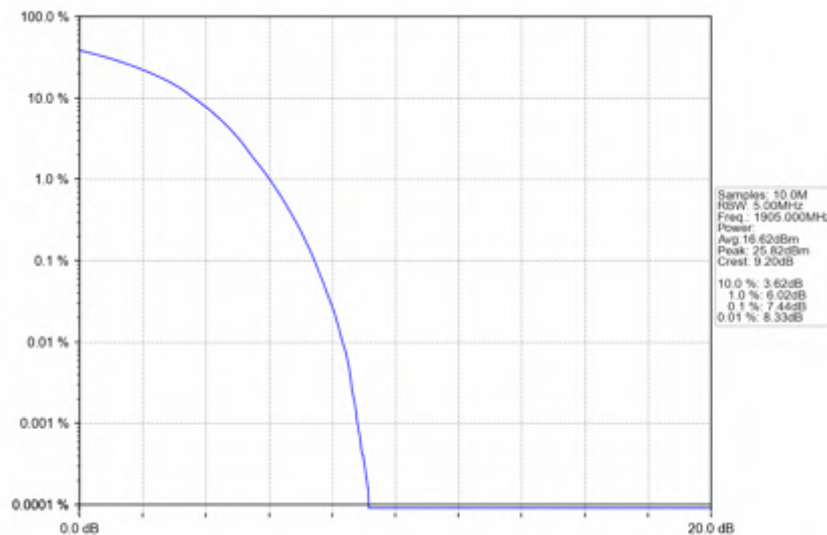
(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV

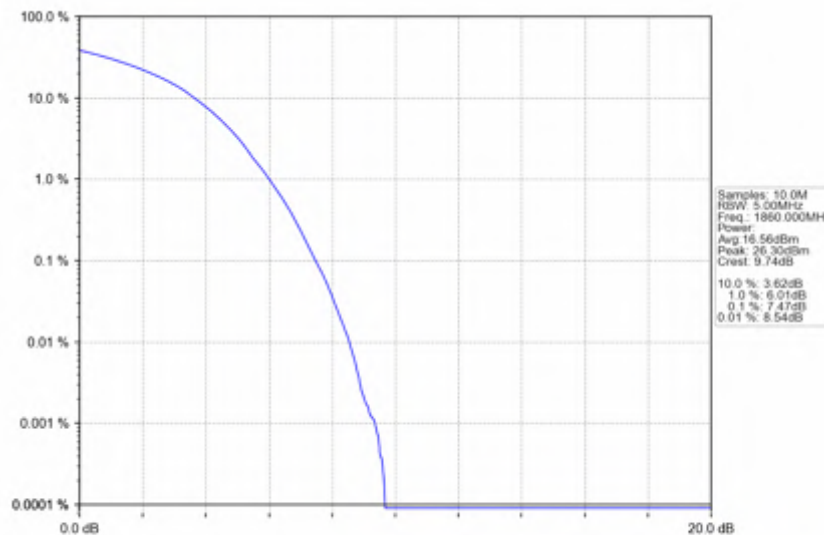


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57350888
 or email: CH-Check@sgs.com

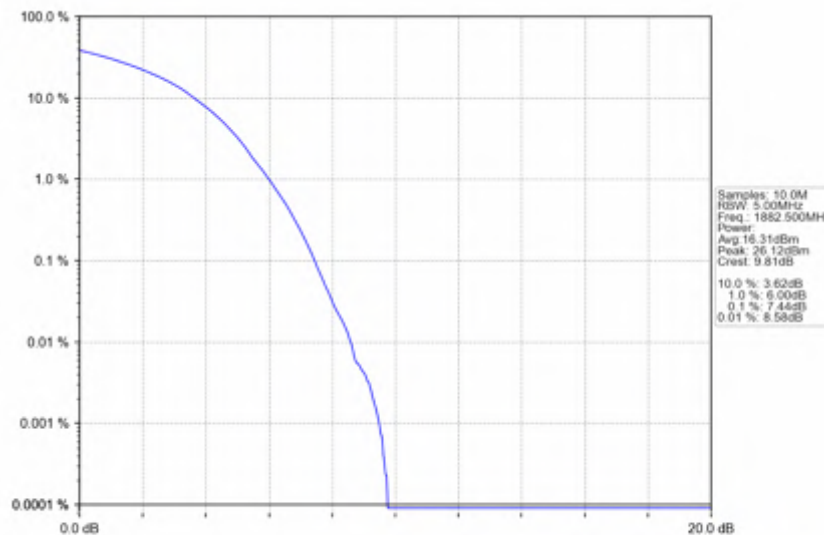
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV

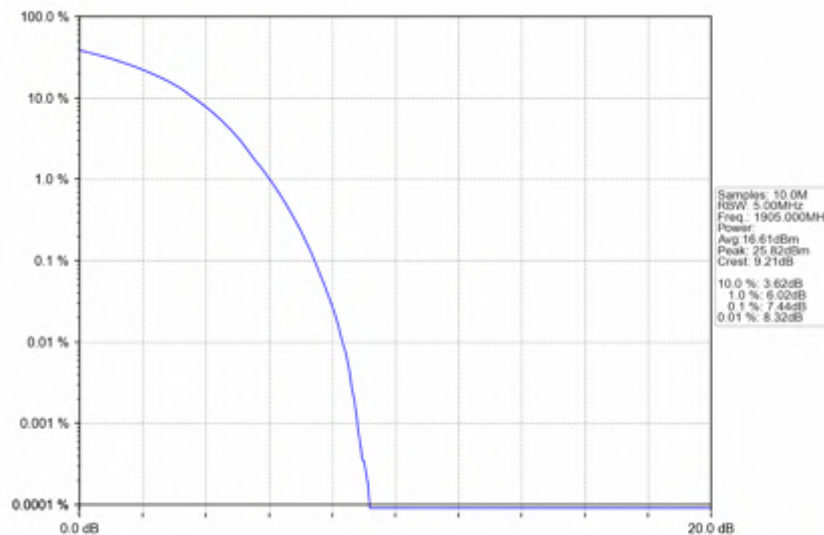


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

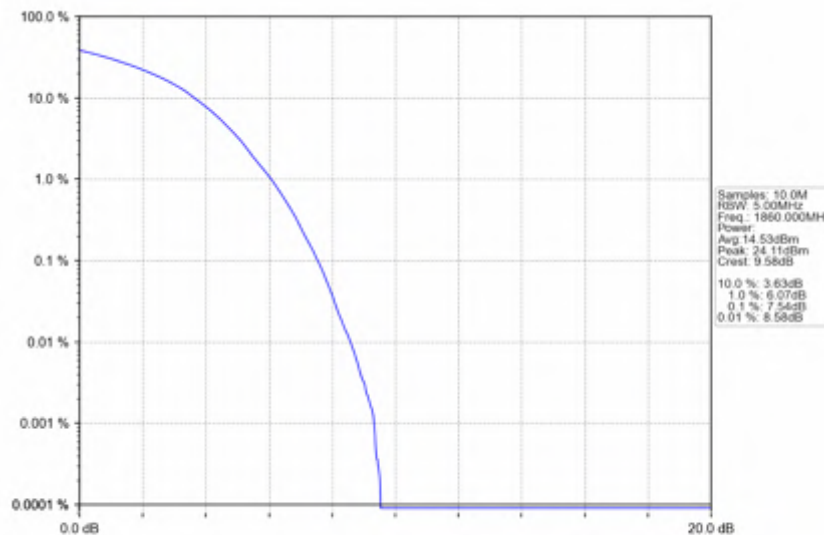
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_256QAM_LCH_1860MHz_RB_100_0_NTNV

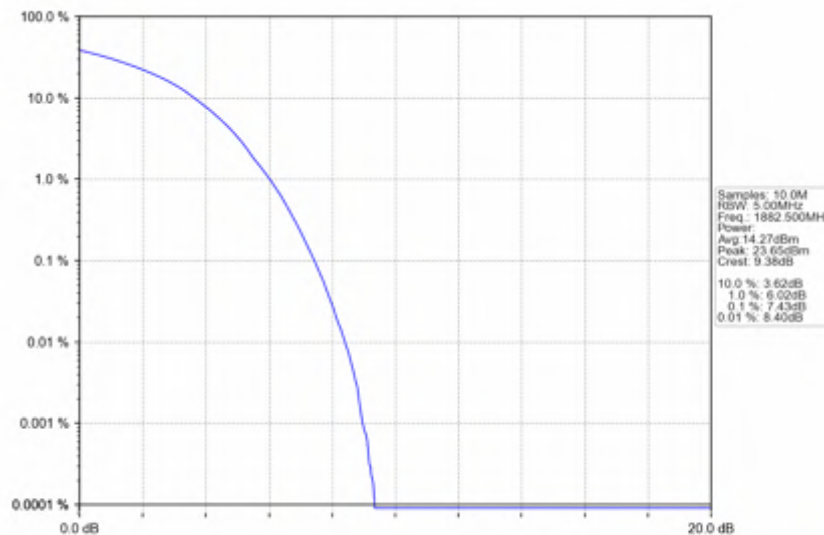


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

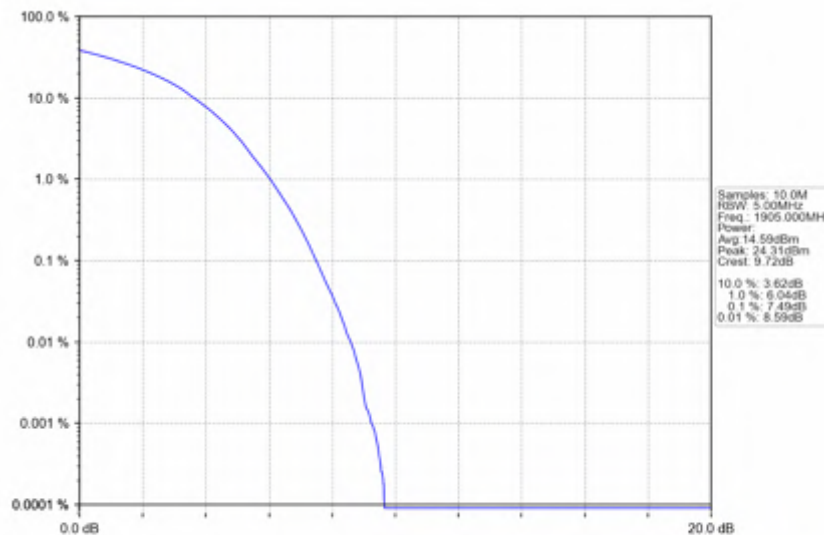
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band25_20MHz_256QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_256QAM_HCH_1905MHz_RB_100_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CN-Check@sgs.com

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com



6. Peak-Average Ratio

6.1 B26a_1.4MHz

6.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	6	0	6.24	<=13	Pass
	819	6	0	6.40	<=13	Pass
	823.3	6	0	6.45	<=13	Pass
16QAM	814.7	6	0	6.24	<=13	Pass
	819	6	0	6.40	<=13	Pass
	823.3	6	0	6.45	<=13	Pass
64QAM	814.7	6	0	6.24	<=13	Pass
	819	6	0	6.38	<=13	Pass
	823.3	6	0	6.44	<=13	Pass
256QAM	814.7	6	0	6.78	<=13	Pass
	819	6	0	6.66	<=13	Pass
	823.3	6	0	6.91	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

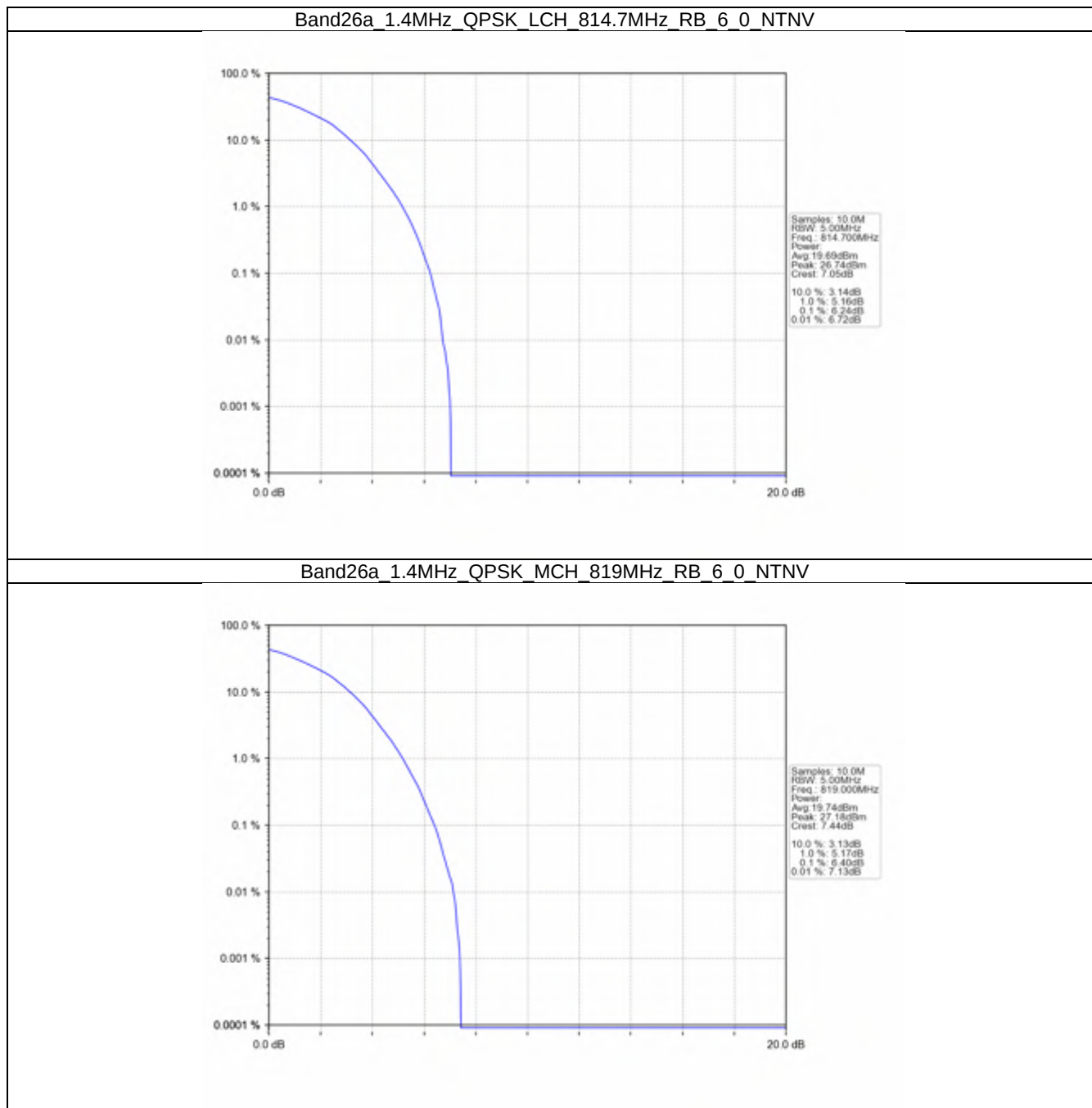
No.19, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路19号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350880 (86-512) 57370011 sgs.china@sgs.com

6.1.2 Test Graph

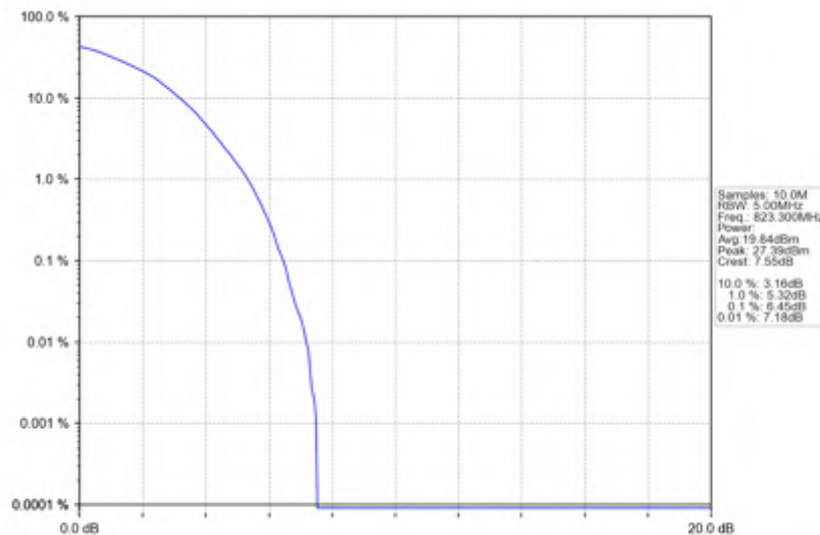


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

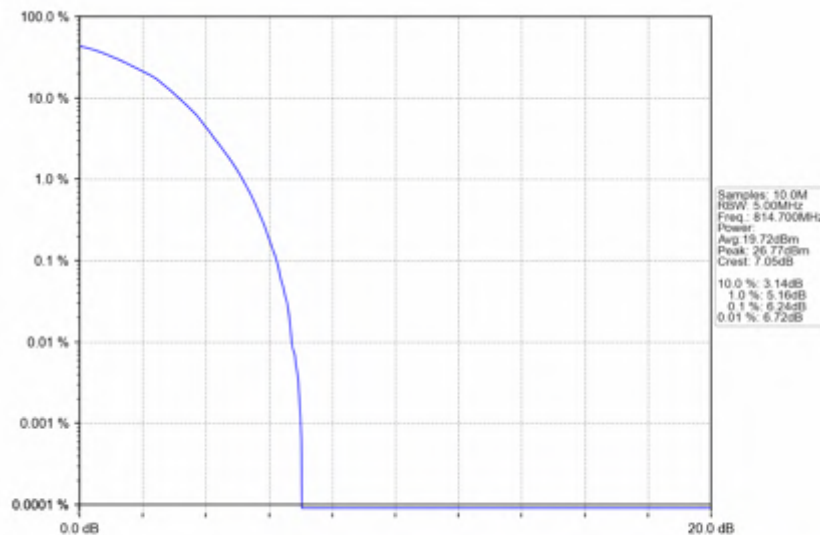
Attention: To check the authenticity of testing notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH.Official@sgs.com
 No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV

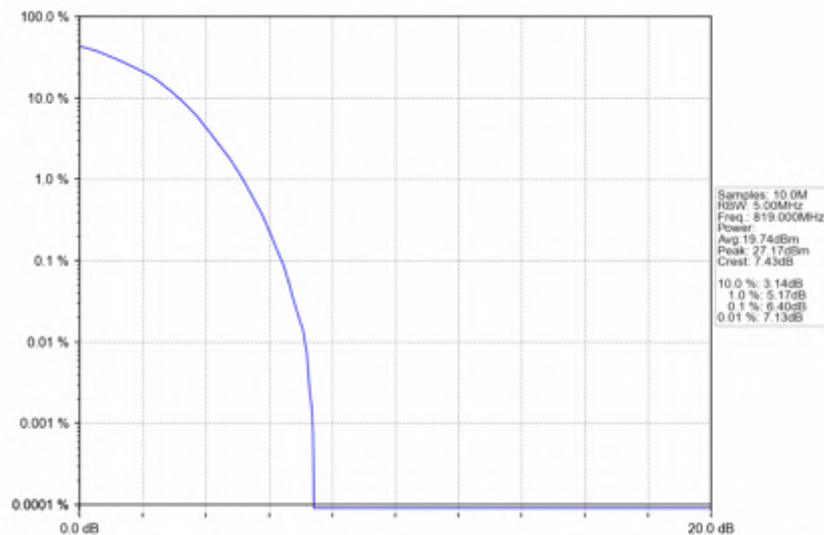


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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: (86-512) 57370011
 or email: CH-Check@sgs.com

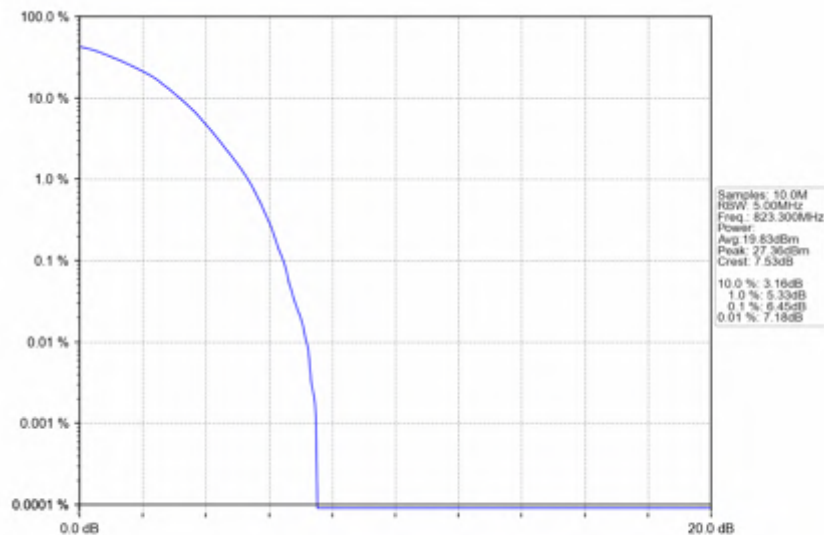
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV

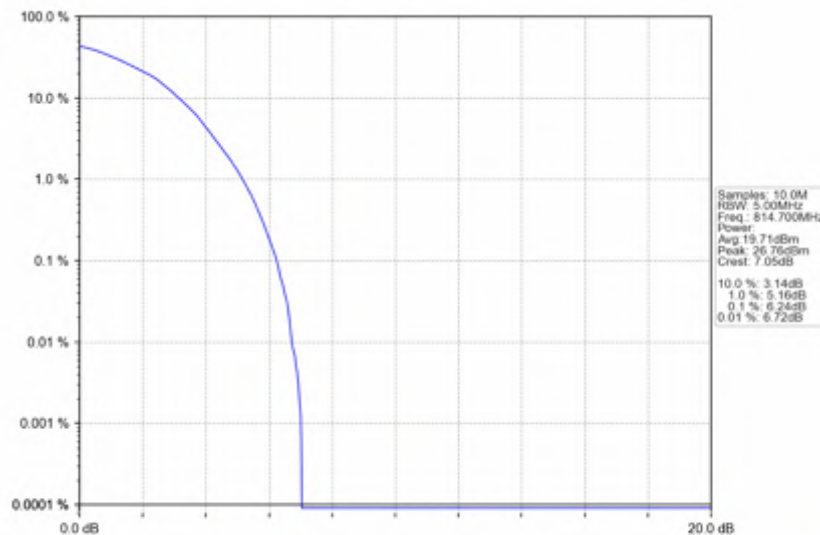


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Overseas@sgs.com

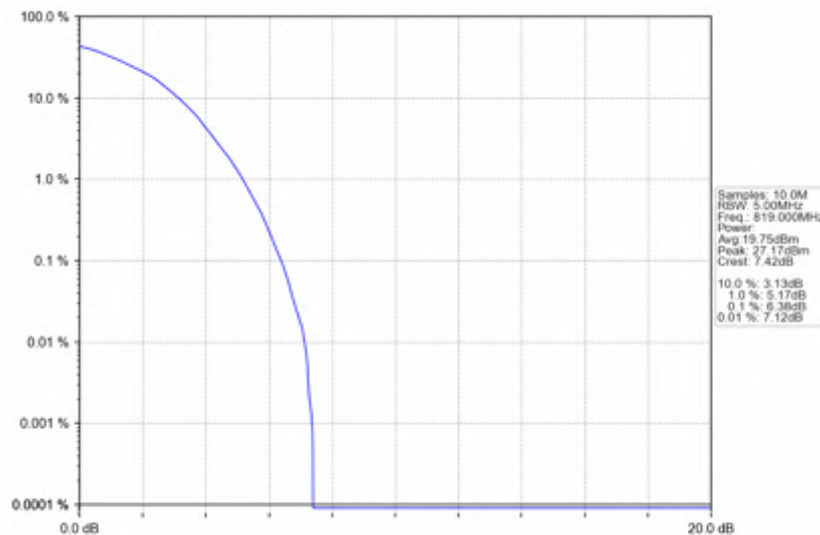
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350888 (86-512) 57370011 sgs.china@sgs.com

Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV



Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV

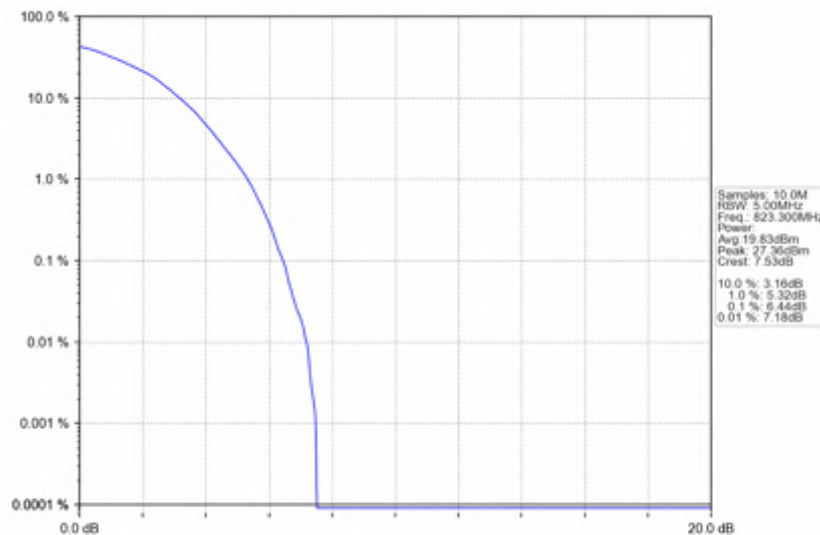


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

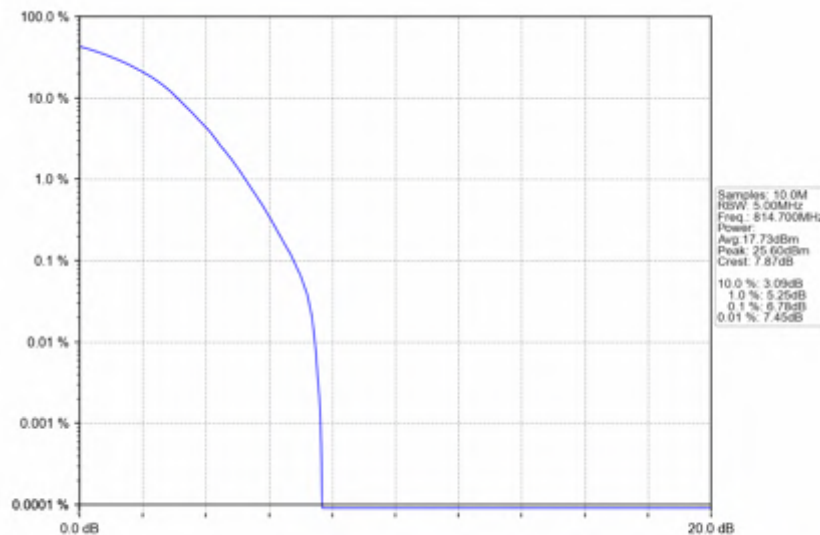
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57356888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57356888 (86-512) 57370011 sgs.china@sgs.com

Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV

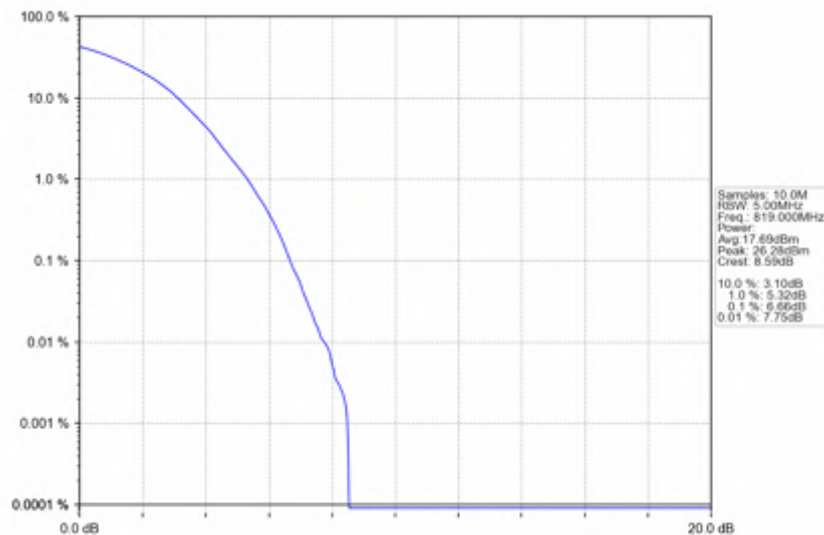


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CN-Check@sgs.com

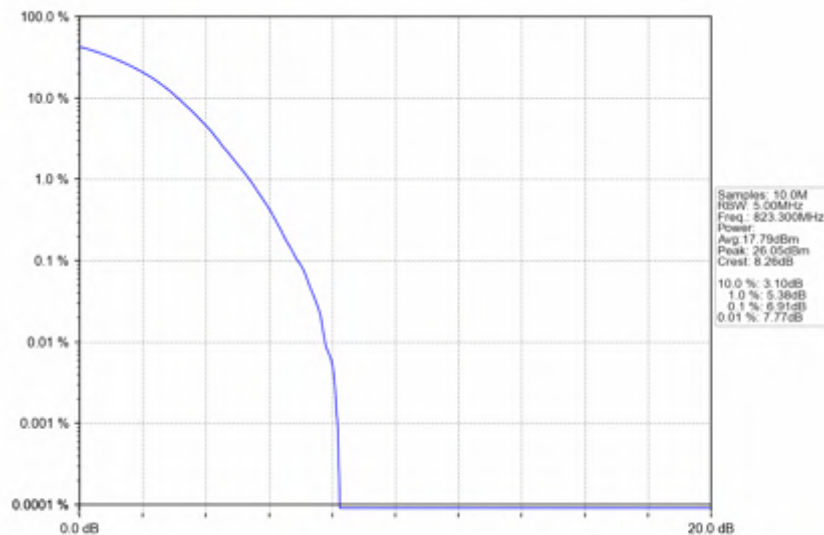
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创新园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band26a_1.4MHz_256QAM_MCH_819MHz_RB_6_0_NTNV



Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV



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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011 or email: CH.Overseas@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57356888

(86-512) 57370011

www.sgs.com.cn

sgs.china@sgs.com



6.2 B26a_3MHz

6.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	15	0	6.35	<=13	Pass
	819	15	0	6.51	<=13	Pass
	822.5	15	0	6.59	<=13	Pass
16QAM	815.5	15	0	6.35	<=13	Pass
	819	15	0	6.50	<=13	Pass
	822.5	15	0	6.59	<=13	Pass
64QAM	815.5	15	0	6.33	<=13	Pass
	819	15	0	6.50	<=13	Pass
	822.5	15	0	6.59	<=13	Pass
256QAM	815.5	15	0	6.76	<=13	Pass
	819	15	0	6.77	<=13	Pass
	822.5	15	0	6.94	<=13	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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

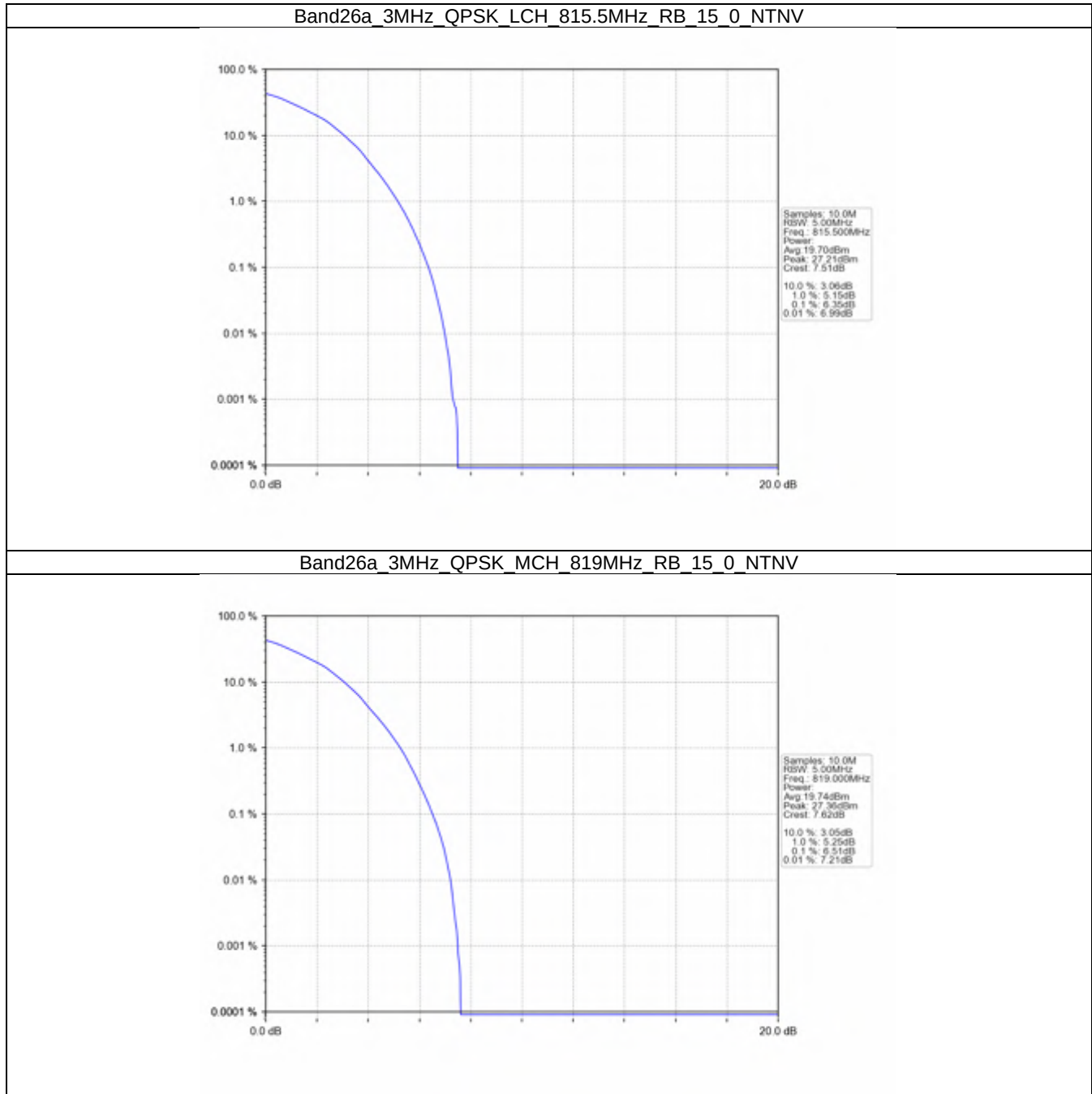
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57350880 (86-512) 57370011 sgs.china@sgs.com

6.2.2 Test Graph



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 herein 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 notification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

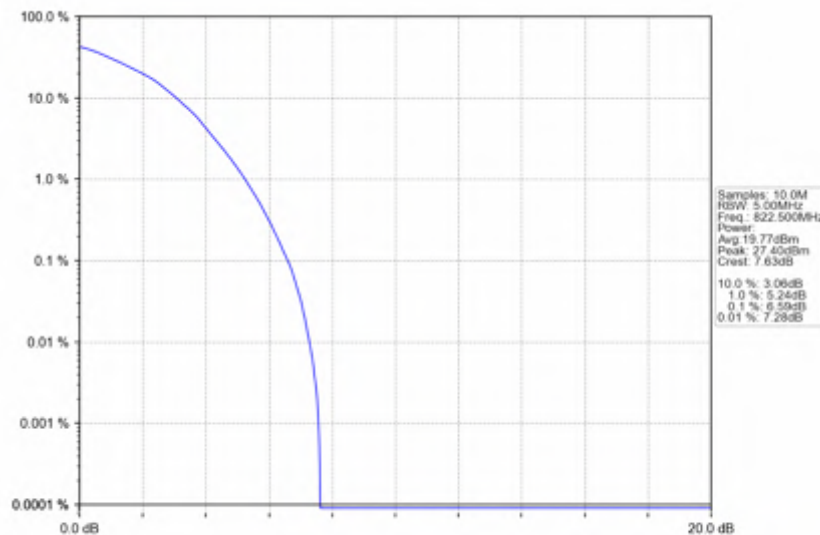
No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市周市学生创业园伟业路18号 邮编 215300

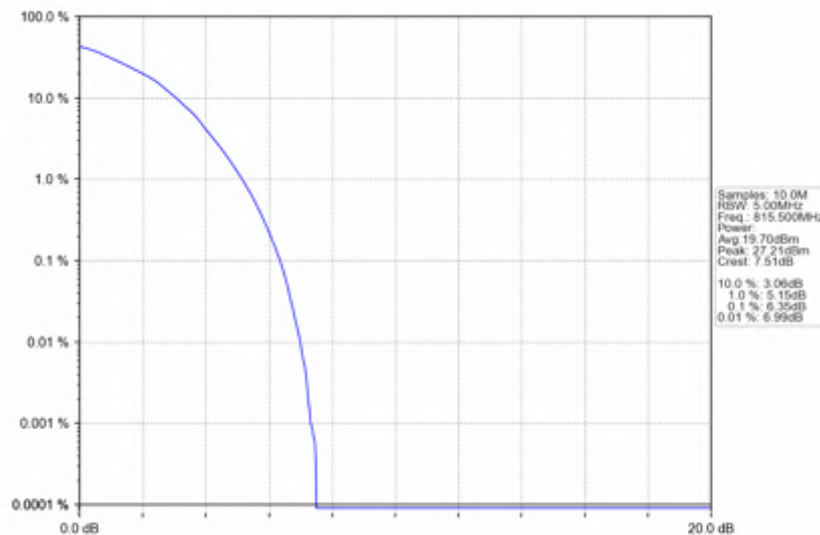
(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn

(86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV

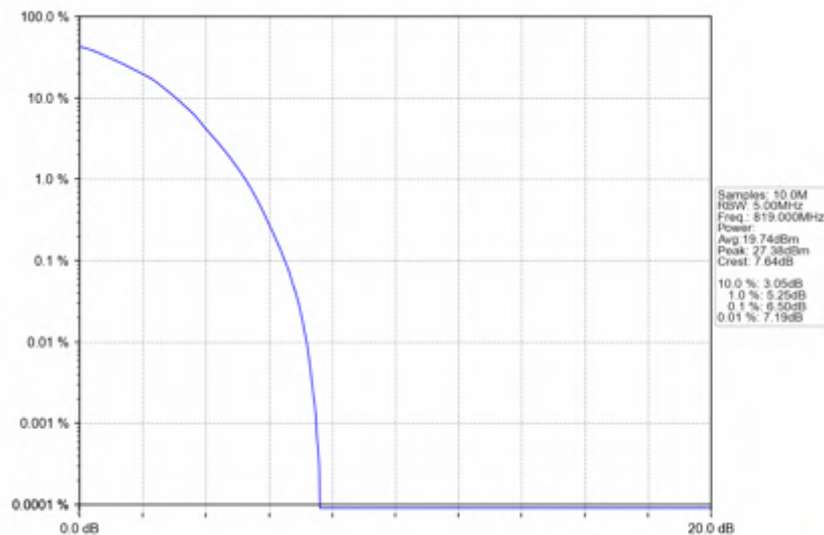


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH-Check@sgs.com

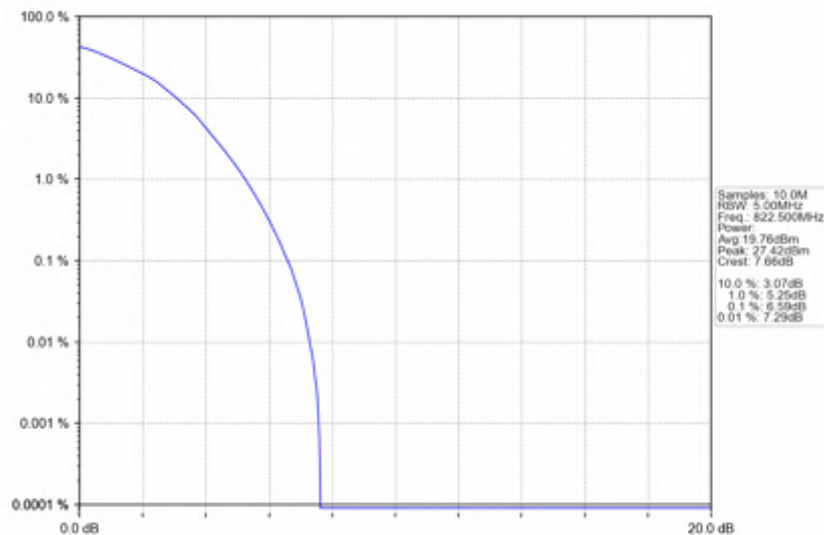
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市学生创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

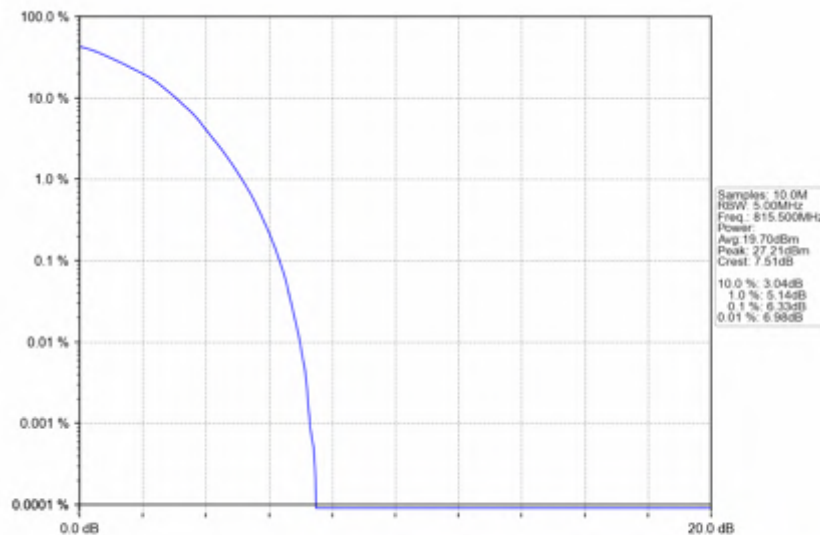


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed
 overall, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents,
 subject to Terms and Conditions for 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 herein 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 report and certificates, please contact us at telephone: (86-512) 57370011
 or email: CH.Overseas@sgs.com

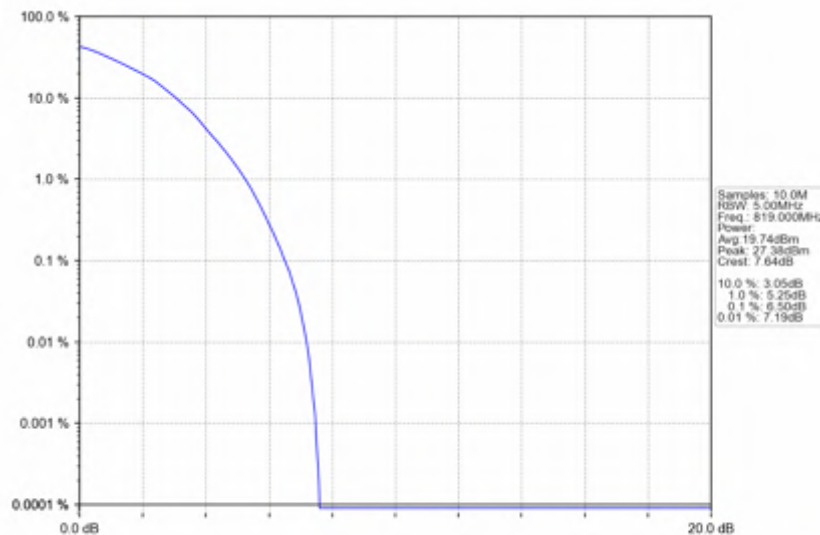
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市创业园伟业路10号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com

Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



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 herein 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 certification report & certificate, please contact us at telephone: (86-512) 57370011 or email: CH-Check@sgs.com

No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
 中国·江苏·昆山市周市镇创新伟业路18号 邮编 215300

(86-512) 57355888 (86-512) 57370011 www.sgs.com.cn
 (86-512) 57355888 (86-512) 57370011 sgs.china@sgs.com