

Appendix B for KSCR2207001105AT-FCC-LTE-Band4

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4\_1.4MHz\_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	22.67	0.23	22.90	<=30	Pass		
			2	22.83	0.23	23.06	<=30	Pass		
			5	22.64	0.23	22.87	<=30	Pass		
		3	0	22.71	0.23	22.94	<=30	Pass		
			2	22.75	0.23	22.98	<=30	Pass		
			3	22.75	0.23	22.98	<=30	Pass		
		6	0	21.70	0.23	21.93	<=30	Pass		
			0	22.88	0.23	23.11	<=30	Pass		
			2	23.02	0.23	23.25	<=30	Pass		
	1732.5	1	5	22.90	0.23	23.13	<=30	Pass		
			0	23.02	0.23	23.25	<=30	Pass		
			2	23.03	0.23	23.26	<=30	Pass		
		3	3	23.04	0.23	23.27	<=30	Pass		
			0	21.93	0.23	22.16	<=30	Pass		
			0	22.95	0.23	23.18	<=30	Pass		
		1754.3	1	2	23.13	0.23	23.36	<=30	Pass	
				5	22.93	0.23	23.16	<=30	Pass	
				0	23.07	0.23	23.30	<=30	Pass	
	3		2	23.06	0.23	23.29	<=30	Pass		
			3	23.04	0.23	23.27	<=30	Pass		
			0	22.02	0.23	22.25	<=30	Pass		
	16QAM		1710.7	1	0	21.71	0.23	21.94	<=30	Pass
					2	21.89	0.23	22.12	<=30	Pass
					5	21.74	0.23	21.97	<=30	Pass
3		0		21.74	0.23	21.97	<=30	Pass		
		2		21.76	0.23	21.99	<=30	Pass		
		3		21.73	0.23	21.96	<=30	Pass		
6		0		20.78	0.23	21.01	<=30	Pass		
		0		22.13	0.23	22.36	<=30	Pass		
		2		22.32	0.23	22.55	<=30	Pass		
1732.5		1	5	22.11	0.23	22.34	<=30	Pass		
			0	22.06	0.23	22.29	<=30	Pass		
			2	22.12	0.23	22.35	<=30	Pass		
		3	3	22.09	0.23	22.32	<=30	Pass		
			0	20.89	0.23	21.12	<=30	Pass		
			0	22.31	0.23	22.54	<=30	Pass		
		1754.3	1	2	22.47	0.23	22.70	<=30	Pass	
				5	22.30	0.23	22.53	<=30	Pass	
				0	22.22	0.23	22.45	<=30	Pass	
3			2	22.18	0.23	22.41	<=30	Pass		
			3	22.16	0.23	22.39	<=30	Pass		

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

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



64QAM	1710.7	6	0	21.03	0.23	21.26	<=30	Pass	
			1	0	21.00	0.23	21.23	<=30	Pass
				2	21.22	0.23	21.45	<=30	Pass
		5		21.04	0.23	21.27	<=30	Pass	
		3	0	20.82	0.23	21.05	<=30	Pass	
			2	20.85	0.23	21.08	<=30	Pass	
			3	20.81	0.23	21.04	<=30	Pass	
		6	0	19.73	0.23	19.96	<=30	Pass	
		1732.5	1	0	21.08	0.23	21.31	<=30	Pass
	2			21.25	0.23	21.48	<=30	Pass	
	5			21.08	0.23	21.31	<=30	Pass	
	3		0	21.08	0.23	21.31	<=30	Pass	
			2	21.15	0.23	21.38	<=30	Pass	
			3	21.10	0.23	21.33	<=30	Pass	
	6		0	20.05	0.23	20.28	<=30	Pass	
	1754.3		1	0	21.74	0.23	21.97	<=30	Pass
				2	21.94	0.23	22.17	<=30	Pass
		5		21.75	0.23	21.98	<=30	Pass	
		3	0	21.35	0.23	21.58	<=30	Pass	
			2	21.35	0.23	21.58	<=30	Pass	
			3	21.34	0.23	21.57	<=30	Pass	
		6	0	20.19	0.23	20.42	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B4\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1711.5	1	0	22.72	0.23	22.95	<=30	Pass	
			7	22.76	0.23	22.99	<=30	Pass	
			14	22.69	0.23	22.92	<=30	Pass	
		8	0	21.75	0.23	21.98	<=30	Pass	
			4	21.77	0.23	22.00	<=30	Pass	
			7	21.75	0.23	21.98	<=30	Pass	
		15	0	21.68	0.23	21.91	<=30	Pass	
		1732.5	1	0	23.02	0.23	23.25	<=30	Pass
				7	23.03	0.23	23.26	<=30	Pass
	14			23.02	0.23	23.25	<=30	Pass	
	8		0	21.97	0.23	22.20	<=30	Pass	
			4	21.96	0.23	22.19	<=30	Pass	
			7	21.97	0.23	22.20	<=30	Pass	
	15		0	21.91	0.23	22.14	<=30	Pass	
	1753.5		1	0	23.04	0.23	23.27	<=30	Pass
				7	23.08	0.23	23.31	<=30	Pass
		14		23.00	0.23	23.23	<=30	Pass	
		8	0	22.01	0.23	22.24	<=30	Pass	
			4	22.10	0.23	22.33	<=30	Pass	
			7	22.03	0.23	22.26	<=30	Pass	
		15	0	22.02	0.23	22.25	<=30	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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

16QAM	1711.5	1	0	21.88	0.23	22.11	<=30	Pass		
			7	21.97	0.23	22.20	<=30	Pass		
			14	21.95	0.23	22.18	<=30	Pass		
		8	0	20.92	0.23	21.15	<=30	Pass		
			4	20.98	0.23	21.21	<=30	Pass		
			7	20.94	0.23	21.17	<=30	Pass		
		15	0	20.74	0.23	20.97	<=30	Pass		
		1732.5	1	0	22.09	0.23	22.32	<=30	Pass	
				7	22.10	0.23	22.33	<=30	Pass	
	14			22.02	0.23	22.25	<=30	Pass		
	8		0	21.10	0.23	21.33	<=30	Pass		
			4	21.18	0.23	21.41	<=30	Pass		
			7	21.14	0.23	21.37	<=30	Pass		
	15		0	20.97	0.23	21.20	<=30	Pass		
	1753.5		1	0	22.28	0.23	22.51	<=30	Pass	
				7	22.32	0.23	22.55	<=30	Pass	
		14		22.24	0.23	22.47	<=30	Pass		
		8	0	21.05	0.23	21.28	<=30	Pass		
			4	21.08	0.23	21.31	<=30	Pass		
			7	21.05	0.23	21.28	<=30	Pass		
		15	0	21.05	0.23	21.28	<=30	Pass		
		64QAM	1711.5	1	0	21.03	0.23	21.26	<=30	Pass
					7	21.08	0.23	21.31	<=30	Pass
	14				21.04	0.23	21.27	<=30	Pass	
	8			0	19.88	0.23	20.11	<=30	Pass	
				4	19.87	0.23	20.10	<=30	Pass	
				7	19.90	0.23	20.13	<=30	Pass	
15	0			19.87	0.23	20.10	<=30	Pass		
1732.5	1			0	21.41	0.23	21.64	<=30	Pass	
				7	21.46	0.23	21.69	<=30	Pass	
			14	21.39	0.23	21.62	<=30	Pass		
	8		0	20.04	0.23	20.27	<=30	Pass		
			4	20.09	0.23	20.32	<=30	Pass		
			7	20.05	0.23	20.28	<=30	Pass		
	15		0	20.07	0.23	20.30	<=30	Pass		
	1753.5		1	0	21.18	0.23	21.41	<=30	Pass	
				7	21.32	0.23	21.55	<=30	Pass	
14				21.21	0.23	21.44	<=30	Pass		
8			0	20.17	0.23	20.40	<=30	Pass		
			4	20.16	0.23	20.39	<=30	Pass		
			7	20.17	0.23	20.40	<=30	Pass		
15			0	20.01	0.23	20.24	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.3 B4\_5MHz\_EIRP

#### 1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.62	0.23	22.85	<=30	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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

	1732.5	12	13	22.77	0.23	23.00	<=30	Pass	
			24	22.68	0.23	22.91	<=30	Pass	
			0	21.71	0.23	21.94	<=30	Pass	
		12	6	21.77	0.23	22.00	<=30	Pass	
			13	21.71	0.23	21.94	<=30	Pass	
			25	0	21.75	0.23	21.98	<=30	Pass
		1	0	22.90	0.23	23.13	<=30	Pass	
			13	23.02	0.23	23.25	<=30	Pass	
			24	22.92	0.23	23.15	<=30	Pass	
		12	0	21.93	0.23	22.16	<=30	Pass	
			6	22.04	0.23	22.27	<=30	Pass	
			13	21.94	0.23	22.17	<=30	Pass	
	25	0	21.95	0.23	22.18	<=30	Pass		
		1752.5	1	0	23.02	0.23	23.25	<=30	Pass
				13	23.14	0.23	23.37	<=30	Pass
	24			22.98	0.23	23.21	<=30	Pass	
	12	0	22.04	0.23	22.27	<=30	Pass		
		6	22.11	0.23	22.34	<=30	Pass		
		13	22.03	0.23	22.26	<=30	Pass		
	25	0	22.03	0.23	22.26	<=30	Pass		
		1712.5	1	0	21.86	0.23	22.09	<=30	Pass
				13	21.98	0.23	22.21	<=30	Pass
	24			21.91	0.23	22.14	<=30	Pass	
	12		0	20.77	0.23	21.00	<=30	Pass	
6			20.80	0.23	21.03	<=30	Pass		
13			20.70	0.23	20.93	<=30	Pass		
25	0		20.75	0.23	20.98	<=30	Pass		
	1732.5		1	0	22.08	0.23	22.31	<=30	Pass
				13	22.23	0.23	22.46	<=30	Pass
24		22.09		0.23	22.32	<=30	Pass		
12	0	20.85	0.23	21.08	<=30	Pass			
	6	20.97	0.23	21.20	<=30	Pass			
	13	20.94	0.23	21.17	<=30	Pass			
25	0	20.96	0.23	21.19	<=30	Pass			
	1752.5	1	0	22.31	0.23	22.54	<=30	Pass	
			13	22.40	0.23	22.63	<=30	Pass	
24			22.32	0.23	22.55	<=30	Pass		
12	0	21.02	0.23	21.25	<=30	Pass			
	6	21.06	0.23	21.29	<=30	Pass			
	13	20.96	0.23	21.19	<=30	Pass			
25	0	21.09	0.23	21.32	<=30	Pass			
	1712.5	1	0	20.97	0.23	21.20	<=30	Pass	
			13	21.06	0.23	21.29	<=30	Pass	
24			20.99	0.23	21.22	<=30	Pass		
12		0	19.80	0.23	20.03	<=30	Pass		
		6	19.84	0.23	20.07	<=30	Pass		
		13	19.78	0.23	20.01	<=30	Pass		
25		0	19.75	0.23	19.98	<=30	Pass		
		1732.5	1	0	21.11	0.23	21.34	<=30	Pass
				13	21.24	0.23	21.47	<=30	Pass
24	21.12			0.23	21.35	<=30	Pass		
12	0	20.07	0.23	20.30	<=30	Pass			
	6	20.15	0.23	20.38	<=30	Pass			
	13	20.07	0.23	20.30	<=30	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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

	1752.5	25	0	20.04	0.23	20.27	<=30	Pass
		1	0	21.00	0.23	21.23	<=30	Pass
			13	21.10	0.23	21.33	<=30	Pass
			24	20.95	0.23	21.18	<=30	Pass
			0	20.03	0.23	20.26	<=30	Pass
		12	6	20.09	0.23	20.32	<=30	Pass
			13	20.04	0.23	20.27	<=30	Pass
			25	0	20.10	0.23	20.33	<=30

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4\_10MHz\_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	22.71	0.23	22.94	<=30	Pass		
			25	22.94	0.23	23.17	<=30	Pass		
			49	22.82	0.23	23.05	<=30	Pass		
		25	0	21.80	0.23	22.03	<=30	Pass		
			13	21.80	0.23	22.03	<=30	Pass		
			25	21.79	0.23	22.02	<=30	Pass		
		50	0	21.80	0.23	22.03	<=30	Pass		
		1732.5	1	0	23.04	0.23	23.27	<=30	Pass	
				25	23.21	0.23	23.44	<=30	Pass	
	49			22.96	0.23	23.19	<=30	Pass		
	25		0	21.90	0.23	22.13	<=30	Pass		
			13	21.99	0.23	22.22	<=30	Pass		
			25	21.91	0.23	22.14	<=30	Pass		
	50	0	21.90	0.23	22.13	<=30	Pass			
	1750	1	0	23.03	0.23	23.26	<=30	Pass		
			25	23.17	0.23	23.40	<=30	Pass		
			49	22.98	0.23	23.21	<=30	Pass		
		25	0	22.09	0.23	22.32	<=30	Pass		
			13	22.10	0.23	22.33	<=30	Pass		
			25	22.04	0.23	22.27	<=30	Pass		
		50	0	22.04	0.23	22.27	<=30	Pass		
		16QAM	1715	1	0	21.88	0.23	22.11	<=30	Pass
					25	22.14	0.23	22.37	<=30	Pass
	49				22.02	0.23	22.25	<=30	Pass	
25	0			20.88	0.23	21.11	<=30	Pass		
	13			20.82	0.23	21.05	<=30	Pass		
	25			20.84	0.23	21.07	<=30	Pass		
50	0		20.81	0.23	21.04	<=30	Pass			
1732.5	1		0	22.04	0.23	22.27	<=30	Pass		
			25	22.24	0.23	22.47	<=30	Pass		
			49	22.05	0.23	22.28	<=30	Pass		
	25		0	20.97	0.23	21.20	<=30	Pass		
			13	21.06	0.23	21.29	<=30	Pass		
			25	20.98	0.23	21.21	<=30	Pass		
50	0		20.93	0.23	21.16	<=30	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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

64QAM	1750	1	0	22.27	0.23	22.50	<=30	Pass
			25	22.42	0.23	22.65	<=30	Pass
			49	22.23	0.23	22.46	<=30	Pass
	25	1	0	21.12	0.23	21.35	<=30	Pass
			13	21.09	0.23	21.32	<=30	Pass
			25	21.05	0.23	21.28	<=30	Pass
	50	1	0	21.01	0.23	21.24	<=30	Pass
			25	21.01	0.23	21.24	<=30	Pass
			49	21.01	0.23	21.24	<=30	Pass
64QAM	1715	1	0	20.98	0.23	21.21	<=30	Pass
			25	21.23	0.23	21.46	<=30	Pass
			49	21.19	0.23	21.42	<=30	Pass
	25	1	0	19.83	0.23	20.06	<=30	Pass
			13	19.79	0.23	20.02	<=30	Pass
			25	19.81	0.23	20.04	<=30	Pass
	50	1	0	19.85	0.23	20.08	<=30	Pass
			25	19.85	0.23	20.08	<=30	Pass
			49	19.85	0.23	20.08	<=30	Pass
64QAM	1732.5	1	0	21.45	0.23	21.68	<=30	Pass
			25	21.63	0.23	21.86	<=30	Pass
			49	21.46	0.23	21.69	<=30	Pass
	25	1	0	19.96	0.23	20.19	<=30	Pass
			13	20.06	0.23	20.29	<=30	Pass
			25	20.00	0.23	20.23	<=30	Pass
	50	1	0	19.98	0.23	20.21	<=30	Pass
			25	19.98	0.23	20.21	<=30	Pass
			49	19.98	0.23	20.21	<=30	Pass
64QAM	1750	1	0	21.23	0.23	21.46	<=30	Pass
			25	21.39	0.23	21.62	<=30	Pass
			49	21.14	0.23	21.37	<=30	Pass
	25	1	0	20.13	0.23	20.36	<=30	Pass
			13	20.10	0.23	20.33	<=30	Pass
			25	20.06	0.23	20.29	<=30	Pass
	50	1	0	20.05	0.23	20.28	<=30	Pass
			25	20.05	0.23	20.28	<=30	Pass
			49	20.05	0.23	20.28	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.5 B4\_15MHz\_EIRP

#### 1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.61	0.23	22.84	<=30	Pass
			38	22.84	0.23	23.07	<=30	Pass
			74	23.08	0.23	23.31	<=30	Pass
		36	0	21.82	0.23	22.05	<=30	Pass
			18	21.85	0.23	22.08	<=30	Pass
			39	21.89	0.23	22.12	<=30	Pass
	75	0	21.87	0.23	22.10	<=30	Pass	
		1	0	22.92	0.23	23.15	<=30	Pass
		38	23.05	0.23	23.28	<=30	Pass	
	1732.5	1	74	22.96	0.23	23.19	<=30	Pass
			0	21.94	0.23	22.17	<=30	Pass
			18	22.03	0.23	22.26	<=30	Pass
		36	39	22.00	0.23	22.23	<=30	Pass
			0	21.95	0.23	22.18	<=30	Pass
			75	0	21.95	0.23	22.18	<=30
1747.5	1	0	22.90	0.23	23.13	<=30	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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

16QAM	1717.5	36	38	23.07	0.23	23.30	<=30	Pass		
			74	22.95	0.23	23.18	<=30	Pass		
			0	22.19	0.23	22.42	<=30	Pass		
		75	36	18	22.16	0.23	22.39	<=30	Pass	
				39	22.02	0.23	22.25	<=30	Pass	
				0	22.15	0.23	22.38	<=30	Pass	
	1732.5	1	36	0	21.82	0.23	22.05	<=30	Pass	
				38	22.07	0.23	22.30	<=30	Pass	
				74	21.97	0.23	22.20	<=30	Pass	
		75	36	0	20.77	0.23	21.00	<=30	Pass	
				18	20.83	0.23	21.06	<=30	Pass	
				39	20.90	0.23	21.13	<=30	Pass	
		1747.5	1	36	0	20.84	0.23	21.07	<=30	Pass
					0	21.93	0.23	22.16	<=30	Pass
					38	22.12	0.23	22.35	<=30	Pass
75			36	74	22.01	0.23	22.24	<=30	Pass	
				0	20.88	0.23	21.11	<=30	Pass	
				18	21.03	0.23	21.26	<=30	Pass	
1732.5	1	36	39	20.97	0.23	21.20	<=30	Pass		
			0	20.96	0.23	21.19	<=30	Pass		
			0	22.46	0.23	22.69	<=30	Pass		
	75	36	38	22.63	0.23	22.86	<=30	Pass		
			74	22.48	0.23	22.71	<=30	Pass		
			0	21.15	0.23	21.38	<=30	Pass		
64QAM	1717.5	1	36	18	21.07	0.23	21.30	<=30	Pass	
				39	21.00	0.23	21.23	<=30	Pass	
				0	21.12	0.23	21.35	<=30	Pass	
		75	36	0	20.91	0.23	21.14	<=30	Pass	
				38	21.15	0.23	21.38	<=30	Pass	
				74	21.12	0.23	21.35	<=30	Pass	
	1732.5	1	36	0	19.87	0.23	20.10	<=30	Pass	
				18	19.91	0.23	20.14	<=30	Pass	
				39	19.93	0.23	20.16	<=30	Pass	
		75	36	0	19.95	0.23	20.18	<=30	Pass	
				0	21.36	0.23	21.59	<=30	Pass	
				38	21.50	0.23	21.73	<=30	Pass	
1747.5	1	36	74	21.38	0.23	21.61	<=30	Pass		
			0	19.98	0.23	20.21	<=30	Pass		
			18	20.07	0.23	20.30	<=30	Pass		
	75	36	39	20.02	0.23	20.25	<=30	Pass		
			0	20.02	0.23	20.25	<=30	Pass		
			0	21.19	0.23	21.42	<=30	Pass		
1732.5	1	36	38	21.34	0.23	21.57	<=30	Pass		
			74	21.18	0.23	21.41	<=30	Pass		
			0	20.15	0.23	20.38	<=30	Pass		
	75	36	18	20.10	0.23	20.33	<=30	Pass		
			39	20.04	0.23	20.27	<=30	Pass		
			0	20.16	0.23	20.39	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.6 B4\_20MHz\_EIRP



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.50	0.23	22.73	<=30	Pass	
			50	23.03	0.23	23.26	<=30	Pass	
			99	22.73	0.23	22.96	<=30	Pass	
		50	0	21.83	0.23	22.06	<=30	Pass	
			25	21.87	0.23	22.10	<=30	Pass	
			50	22.08	0.23	22.31	<=30	Pass	
	1732.5	1	0	22.59	0.23	22.82	<=30	Pass	
			50	23.08	0.23	23.31	<=30	Pass	
			99	22.76	0.23	22.99	<=30	Pass	
		50	0	21.82	0.23	22.05	<=30	Pass	
			25	22.04	0.23	22.27	<=30	Pass	
			50	21.89	0.23	22.12	<=30	Pass	
	1745	1	0	21.87	0.23	22.10	<=30	Pass	
			50	21.87	0.23	22.10	<=30	Pass	
			99	22.73	0.23	22.96	<=30	Pass	
		50	0	23.25	0.23	23.48	<=30	Pass	
			25	22.77	0.23	23.00	<=30	Pass	
			50	22.18	0.23	22.41	<=30	Pass	
	16QAM	1720	1	0	21.70	0.23	21.93	<=30	Pass
				50	22.25	0.23	22.48	<=30	Pass
				99	21.93	0.23	22.16	<=30	Pass
			50	0	20.88	0.23	21.11	<=30	Pass
				25	20.91	0.23	21.14	<=30	Pass
				50	21.11	0.23	21.34	<=30	Pass
1732.5		1	0	21.01	0.23	21.24	<=30	Pass	
			50	22.04	0.23	22.27	<=30	Pass	
			99	22.58	0.23	22.81	<=30	Pass	
		50	0	22.21	0.23	22.44	<=30	Pass	
			25	20.83	0.23	21.06	<=30	Pass	
			50	21.04	0.23	21.27	<=30	Pass	
1745		1	0	20.95	0.23	21.18	<=30	Pass	
			25	20.86	0.23	21.09	<=30	Pass	
			50	21.95	0.23	22.18	<=30	Pass	
		50	0	22.49	0.23	22.72	<=30	Pass	
			25	22.00	0.23	22.23	<=30	Pass	
			50	21.18	0.23	21.41	<=30	Pass	
64QAM		1720	1	0	21.12	0.23	21.35	<=30	Pass
				25	21.02	0.23	21.25	<=30	Pass
				50	21.15	0.23	21.38	<=30	Pass
			50	0	20.68	0.23	20.91	<=30	Pass
				25	21.24	0.23	21.47	<=30	Pass
				50	20.91	0.23	21.14	<=30	Pass
	1720	1	0	19.92	0.23	20.15	<=30	Pass	
			25	19.95	0.23	20.18	<=30	Pass	
			50	20.20	0.23	20.43	<=30	Pass	
		100	0	20.05	0.23	20.28	<=30	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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com



	1732.5	1	0	20.69	0.23	20.92	<=30	Pass
			50	21.35	0.23	21.58	<=30	Pass
			99	20.86	0.23	21.09	<=30	Pass
		50	0	19.93	0.23	20.16	<=30	Pass
			25	20.10	0.23	20.33	<=30	Pass
			50	20.03	0.23	20.26	<=30	Pass
	100	0	19.95	0.23	20.18	<=30	Pass	
	1745	1	0	20.84	0.23	21.07	<=30	Pass
			50	21.38	0.23	21.61	<=30	Pass
			99	20.87	0.23	21.10	<=30	Pass
		50	0	20.29	0.23	20.52	<=30	Pass
			25	20.22	0.23	20.45	<=30	Pass
			50	20.08	0.23	20.31	<=30	Pass
		100	0	20.15	0.23	20.38	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B4\_1.4MHz

#### 2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.23	1.831	0.0011	-2.5 to 2.5	Pass
					3.80	0.587	0.0003	-2.5 to 2.5	Pass
					4.37	1.659	0.0010	-2.5 to 2.5	Pass
				-30	3.80	2.518	0.0015	-2.5 to 2.5	Pass
				-20	3.80	0.830	0.0005	-2.5 to 2.5	Pass
				-10	3.80	0.944	0.0006	-2.5 to 2.5	Pass
				0	3.80	1.488	0.0009	-2.5 to 2.5	Pass
				10	3.80	1.330	0.0008	-2.5 to 2.5	Pass
				30	3.80	2.089	0.0012	-2.5 to 2.5	Pass
				40	3.80	0.629	0.0004	-2.5 to 2.5	Pass
				50	3.80	0.701	0.0004	-2.5 to 2.5	Pass
				1732.5	6	0	20	3.23	-0.472
	3.80	1.516	0.0009					-2.5 to 2.5	Pass
	4.37	-0.329	-0.0002					-2.5 to 2.5	Pass
	-30	3.80	1.001				0.0006	-2.5 to 2.5	Pass
	-20	3.80	0.558				0.0003	-2.5 to 2.5	Pass
	-10	3.80	1.001				0.0006	-2.5 to 2.5	Pass
	0	3.80	-0.458				-0.0003	-2.5 to 2.5	Pass
	10	3.80	1.345				0.0008	-2.5 to 2.5	Pass
	30	3.80	0.973				0.0006	-2.5 to 2.5	Pass
	40	3.80	0.143				0.0001	-2.5 to 2.5	Pass
	50	3.80	1.431				0.0008	-2.5 to 2.5	Pass
	1754.3	6	0				20	3.23	-2.832
				3.80	-1.659	-0.0009		-2.5 to 2.5	Pass
4.37				-4.592	-0.0026	-2.5 to 2.5		Pass	
-30				3.80	-3.219	-0.0018	-2.5 to 2.5	Pass	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@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  
 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

				-20	3.80	-3.505	-0.0020	-2.5 to 2.5	Pass	
				-10	3.80	-3.762	-0.0021	-2.5 to 2.5	Pass	
				0	3.80	-2.303	-0.0013	-2.5 to 2.5	Pass	
				10	3.80	-2.503	-0.0014	-2.5 to 2.5	Pass	
				30	3.80	-3.233	-0.0018	-2.5 to 2.5	Pass	
				40	3.80	-1.159	-0.0007	-2.5 to 2.5	Pass	
				50	3.80	-2.017	-0.0011	-2.5 to 2.5	Pass	
16QAM	1710.7	6	0	20	3.23	2.246	0.0013	-2.5 to 2.5	Pass	
					3.80	0.587	0.0003	-2.5 to 2.5	Pass	
					4.37	0.229	0.0001	-2.5 to 2.5	Pass	
				-30	3.80	3.648	0.0021	-2.5 to 2.5	Pass	
					-20	3.80	-0.701	-0.0004	-2.5 to 2.5	Pass
					-10	3.80	2.332	0.0014	-2.5 to 2.5	Pass
				0	3.80	1.230	0.0007	-2.5 to 2.5	Pass	
					10	3.80	0.701	0.0004	-2.5 to 2.5	Pass
					30	3.80	0.186	0.0001	-2.5 to 2.5	Pass
					40	3.80	1.159	0.0007	-2.5 to 2.5	Pass
					50	3.80	1.974	0.0012	-2.5 to 2.5	Pass
					1732.5	6	0	20	3.23	1.087
	3.80	-0.544	-0.0003						-2.5 to 2.5	Pass
	4.37	1.388	0.0008						-2.5 to 2.5	Pass
	-30	3.80	1.373					0.0008	-2.5 to 2.5	Pass
		-20	3.80	0.615				0.0004	-2.5 to 2.5	Pass
		-10	3.80	0.787				0.0005	-2.5 to 2.5	Pass
	0	3.80	-0.143	-0.0001				-2.5 to 2.5	Pass	
		10	3.80	1.330				0.0008	-2.5 to 2.5	Pass
		30	3.80	-0.801				-0.0005	-2.5 to 2.5	Pass
		40	3.80	1.330				0.0008	-2.5 to 2.5	Pass
		50	3.80	-0.243				-0.0001	-2.5 to 2.5	Pass
		1754.3	6	0				20	3.23	-2.832
					3.80	-2.704	-0.0015		-2.5 to 2.5	Pass
4.37					-2.589	-0.0015	-2.5 to 2.5		Pass	
-30					3.80	-3.333	-0.0019	-2.5 to 2.5	Pass	
	-20				3.80	-3.548	-0.0020	-2.5 to 2.5	Pass	
	-10				3.80	-1.073	-0.0006	-2.5 to 2.5	Pass	
0	3.80				-2.704	-0.0015	-2.5 to 2.5	Pass		
	10				3.80	-1.402	-0.0008	-2.5 to 2.5	Pass	
	30				3.80	-1.130	-0.0006	-2.5 to 2.5	Pass	
	40				3.80	-1.602	-0.0009	-2.5 to 2.5	Pass	
	50				3.80	-1.273	-0.0007	-2.5 to 2.5	Pass	
	64QAM				1710.7	6	0	20	3.23	-8.612
		3.80	-10.328	-0.0060					-2.5 to 2.5	Pass
		4.37	-9.141	-0.0053					-2.5 to 2.5	Pass
		-30	3.80	0.029				0.0000	-2.5 to 2.5	Pass
-20			3.80	-0.858				-0.0005	-2.5 to 2.5	Pass
-10			3.80	-1.431				-0.0008	-2.5 to 2.5	Pass
0		3.80	-7.982	-0.0047				-2.5 to 2.5	Pass	
		10	3.80	-0.572				-0.0003	-2.5 to 2.5	Pass
		30	3.80	-0.486				-0.0003	-2.5 to 2.5	Pass
		40	3.80	-8.326				-0.0049	-2.5 to 2.5	Pass
		50	3.80	-0.143				-0.0001	-2.5 to 2.5	Pass
		1732.5	6	0				20	3.23	-2.503
	3.80				-0.701	-0.0004	-2.5 to 2.5		Pass	
	4.37				-6.766	-0.0039	-2.5 to 2.5		Pass	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

				-30	3.80	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	3.80	-4.678	-0.0027	-2.5 to 2.5	Pass
				-10	3.80	-1.931	-0.0011	-2.5 to 2.5	Pass
				0	3.80	2.718	0.0016	-2.5 to 2.5	Pass
				10	3.80	-9.398	-0.0054	-2.5 to 2.5	Pass
				30	3.80	-5.651	-0.0033	-2.5 to 2.5	Pass
				40	3.80	-5.507	-0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	50	3.80	1.245	0.0007	-2.5 to 2.5	Pass
				20	3.23	-10.414	-0.0059	-2.5 to 2.5	Pass
					3.80	-7.896	-0.0045	-2.5 to 2.5	Pass
					4.37	-8.655	-0.0049	-2.5 to 2.5	Pass
				-30	3.80	-3.619	-0.0021	-2.5 to 2.5	Pass
				-20	3.80	-9.713	-0.0055	-2.5 to 2.5	Pass
				-10	3.80	-7.038	-0.0040	-2.5 to 2.5	Pass
0	3.80	-2.060	-0.0012	-2.5 to 2.5	Pass				
10	3.80	-5.465	-0.0031	-2.5 to 2.5	Pass				
30	3.80	-3.304	-0.0019	-2.5 to 2.5	Pass				
40	3.80	-3.276	-0.0019	-2.5 to 2.5	Pass				
50	3.80	0.458	0.0003	-2.5 to 2.5	Pass				

2.2 B4\_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.23	-0.572	-0.0003	-2.5 to 2.5	Pass
					3.80	0.629	0.0004	-2.5 to 2.5	Pass
					4.37	1.574	0.0009	-2.5 to 2.5	Pass
				-30	3.80	1.774	0.0010	-2.5 to 2.5	Pass
				-20	3.80	0.257	0.0002	-2.5 to 2.5	Pass
				-10	3.80	-0.587	-0.0003	-2.5 to 2.5	Pass
				0	3.80	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.80	0.787	0.0005	-2.5 to 2.5	Pass
				30	3.80	-0.815	-0.0005	-2.5 to 2.5	Pass
				40	3.80	0.601	0.0004	-2.5 to 2.5	Pass
	50	3.80	0.572	0.0003	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.23	2.246	0.0013	-2.5 to 2.5	Pass
					3.80	2.289	0.0013	-2.5 to 2.5	Pass
					4.37	0.930	0.0005	-2.5 to 2.5	Pass
				-30	3.80	2.403	0.0014	-2.5 to 2.5	Pass
				-20	3.80	1.459	0.0008	-2.5 to 2.5	Pass
				-10	3.80	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.80	2.489	0.0014	-2.5 to 2.5	Pass
				10	3.80	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.80	2.031	0.0012	-2.5 to 2.5	Pass
40				3.80	0.916	0.0005	-2.5 to 2.5	Pass	
50	3.80	2.146	0.0012	-2.5 to 2.5	Pass				
1753.5	15	0	20	3.23	0.029	0.0000	-2.5 to 2.5	Pass	
				3.80	0.401	0.0002	-2.5 to 2.5	Pass	
				4.37	-1.917	-0.0011	-2.5 to 2.5	Pass	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**



				-30	3.80	-1.516	-0.0009	-2.5 to 2.5	Pass	
				-20	3.80	0.143	0.0001	-2.5 to 2.5	Pass	
				-10	3.80	-0.687	-0.0004	-2.5 to 2.5	Pass	
				0	3.80	0.172	0.0001	-2.5 to 2.5	Pass	
				10	3.80	-0.615	-0.0004	-2.5 to 2.5	Pass	
				30	3.80	0.529	0.0003	-2.5 to 2.5	Pass	
				40	3.80	0.215	0.0001	-2.5 to 2.5	Pass	
				50	3.80	0.415	0.0002	-2.5 to 2.5	Pass	
16QAM	1711.5	15	0	20	3.23	1.059	0.0006	-2.5 to 2.5	Pass	
					3.80	1.245	0.0007	-2.5 to 2.5	Pass	
					4.37	0.443	0.0003	-2.5 to 2.5	Pass	
				-30	3.80	0.057	0.0000	-2.5 to 2.5	Pass	
					-20	3.80	0.200	0.0001	-2.5 to 2.5	Pass
						3.80	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.80	1.101	0.0006	-2.5 to 2.5	Pass	
					3.80	-0.057	0.0000	-2.5 to 2.5	Pass	
				10	3.80	1.073	0.0006	-2.5 to 2.5	Pass	
					3.80	1.230	0.0007	-2.5 to 2.5	Pass	
				30	3.80	0.386	0.0002	-2.5 to 2.5	Pass	
					3.80	1.202	0.0007	-2.5 to 2.5	Pass	
	1732.5	15	0	20	3.80	1.988	0.0011	-2.5 to 2.5	Pass	
					4.37	0.143	0.0001	-2.5 to 2.5	Pass	
					-30	3.80	1.745	0.0010	-2.5 to 2.5	Pass
				-20	3.80	0.801	0.0005	-2.5 to 2.5	Pass	
					3.80	1.388	0.0008	-2.5 to 2.5	Pass	
				-10	3.80	2.317	0.0013	-2.5 to 2.5	Pass	
					3.80	0.472	0.0003	-2.5 to 2.5	Pass	
				0	3.80	1.388	0.0008	-2.5 to 2.5	Pass	
					3.80	1.616	0.0009	-2.5 to 2.5	Pass	
				10	3.80	1.559	0.0009	-2.5 to 2.5	Pass	
					3.80	0.157	0.0001	-2.5 to 2.5	Pass	
				1753.5	15	0	20	3.80	1.230	0.0007
4.37	2.074	0.0012	-2.5 to 2.5					Pass		
-30	3.80	1.974	0.0011					-2.5 to 2.5	Pass	
-20	3.80	0.787	0.0004				-2.5 to 2.5	Pass		
	3.80	0.415	0.0002				-2.5 to 2.5	Pass		
-10	3.80	-0.215	-0.0001				-2.5 to 2.5	Pass		
	3.80	-1.144	-0.0007				-2.5 to 2.5	Pass		
0	3.80	1.373	0.0008				-2.5 to 2.5	Pass		
	3.80	0.858	0.0005				-2.5 to 2.5	Pass		
10	3.80	0.930	0.0005				-2.5 to 2.5	Pass		
	3.80	-6.537	-0.0038				-2.5 to 2.5	Pass		
64QAM	1711.5	15	0				20	3.80	-2.933	-0.0017
				4.37	-8.268	-0.0048		-2.5 to 2.5	Pass	
				-30	3.80	-5.050		-0.0030	-2.5 to 2.5	Pass
				-20	3.80	-8.740	-0.0051	-2.5 to 2.5	Pass	
					3.80	-4.606	-0.0027	-2.5 to 2.5	Pass	
				-10	3.80	-3.033	-0.0018	-2.5 to 2.5	Pass	
					3.80	-9.055	-0.0053	-2.5 to 2.5	Pass	
				0	3.80	-10.858	-0.0063	-2.5 to 2.5	Pass	
					3.80	-4.735	-0.0028	-2.5 to 2.5	Pass	
				10	3.80	-5.465	-0.0032	-2.5 to 2.5	Pass	
					3.80	-3.247	-0.0019	-2.5 to 2.5	Pass	
				30	3.80	-4.592	-0.0027	-2.5 to 2.5	Pass	
3.80										
40	3.80									
	3.80									
50	3.80									
	3.80									
1732.5	15	0	20	3.23	-6.537	-0.0038	-2.5 to 2.5	Pass		
				3.80	-2.933	-0.0017	-2.5 to 2.5	Pass		
				4.37	-8.268	-0.0048	-2.5 to 2.5	Pass		
				-30	3.80	-5.050	-0.0030	-2.5 to 2.5	Pass	
				-20	3.80	-8.740	-0.0051	-2.5 to 2.5	Pass	
				-10	3.80	-4.606	-0.0027	-2.5 to 2.5	Pass	
				0	3.80	-3.033	-0.0018	-2.5 to 2.5	Pass	
				10	3.80	-9.055	-0.0053	-2.5 to 2.5	Pass	
				30	3.80	-10.858	-0.0063	-2.5 to 2.5	Pass	
				40	3.80	-4.735	-0.0028	-2.5 to 2.5	Pass	
				50	3.80	-5.465	-0.0032	-2.5 to 2.5	Pass	
				20	3.23	-6.537	-0.0038	-2.5 to 2.5	Pass	
				20	3.80	-2.933	-0.0017	-2.5 to 2.5	Pass	
				20	4.37	-8.268	-0.0048	-2.5 to 2.5	Pass	
				20	3.80	-5.050	-0.0030	-2.5 to 2.5	Pass	
				20	3.80	-8.740	-0.0051	-2.5 to 2.5	Pass	
				20	3.80	-4.606	-0.0027	-2.5 to 2.5	Pass	
				20	3.80	-3.033	-0.0018	-2.5 to 2.5	Pass	
				20	3.80	-9.055	-0.0053	-2.5 to 2.5	Pass	
				20	3.80	-10.858	-0.0063	-2.5 to 2.5	Pass	
				20	3.80	-4.735	-0.0028	-2.5 to 2.5	Pass	
				20	3.80	-5.465	-0.0032	-2.5 to 2.5	Pass	
				20	3.80	-3.247	-0.0019	-2.5 to 2.5	Pass	
				20	3.80	-4.592	-0.0027	-2.5 to 2.5	Pass	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

				4.37	-4.063	-0.0023	-2.5 to 2.5	Pass	
				-30	3.80	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.80	-7.324	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-5.465	-0.0032	-2.5 to 2.5	Pass
				0	3.80	-3.104	-0.0018	-2.5 to 2.5	Pass
				10	3.80	-8.912	-0.0051	-2.5 to 2.5	Pass
				30	3.80	-6.838	-0.0039	-2.5 to 2.5	Pass
				40	3.80	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.80	-7.439	-0.0043	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.80	-3.390	-0.0019	-2.5 to 2.5	Pass
					4.37	-8.283	-0.0047	-2.5 to 2.5	Pass
				-30	3.80	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	-3.891	-0.0022	-2.5 to 2.5	Pass
				-10	3.80	-3.891	-0.0022	-2.5 to 2.5	Pass
				0	3.80	1.044	0.0006	-2.5 to 2.5	Pass
				10	3.80	-8.240	-0.0047	-2.5 to 2.5	Pass
				30	3.80	-4.334	-0.0025	-2.5 to 2.5	Pass
40	3.80	-5.765	-0.0033	-2.5 to 2.5	Pass				
50	3.80	-8.111	-0.0046	-2.5 to 2.5	Pass				

## 2.3 B4\_5MHz

### 2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.23	1.488	0.0009	-2.5 to 2.5	Pass
					3.80	2.160	0.0013	-2.5 to 2.5	Pass
					4.37	1.745	0.0010	-2.5 to 2.5	Pass
				-30	3.80	1.988	0.0012	-2.5 to 2.5	Pass
				-20	3.80	2.732	0.0016	-2.5 to 2.5	Pass
				-10	3.80	1.945	0.0011	-2.5 to 2.5	Pass
				0	3.80	0.958	0.0006	-2.5 to 2.5	Pass
				10	3.80	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.80	1.717	0.0010	-2.5 to 2.5	Pass
				40	3.80	2.561	0.0015	-2.5 to 2.5	Pass
				50	3.80	1.688	0.0010	-2.5 to 2.5	Pass
				1732.5	25	0	20	3.23	0.029
	3.80	0.658	0.0004					-2.5 to 2.5	Pass
	4.37	-0.129	-0.0001					-2.5 to 2.5	Pass
	-30	3.80	1.130				0.0007	-2.5 to 2.5	Pass
	-20	3.80	0.343				0.0002	-2.5 to 2.5	Pass
	-10	3.80	-0.029				0.0000	-2.5 to 2.5	Pass
	0	3.80	1.774				0.0010	-2.5 to 2.5	Pass
	10	3.80	0.858				0.0005	-2.5 to 2.5	Pass
	30	3.80	0.315				0.0002	-2.5 to 2.5	Pass
	40	3.80	-0.143				-0.0001	-2.5 to 2.5	Pass
	50	3.80	0.014				0.0000	-2.5 to 2.5	Pass
	1752.5	25	0				20	3.23	-3.304
				3.80	-2.589	-0.0015		-2.5 to 2.5	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

					4.37	-2.503	-0.0014	-2.5 to 2.5	Pass
				-30	3.80	-3.476	-0.0020	-2.5 to 2.5	Pass
				-20	3.80	-3.505	-0.0020	-2.5 to 2.5	Pass
				-10	3.80	-2.189	-0.0012	-2.5 to 2.5	Pass
				0	3.80	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.80	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	3.80	-1.159	-0.0007	-2.5 to 2.5	Pass
				40	3.80	-3.076	-0.0018	-2.5 to 2.5	Pass
				50	3.80	-3.004	-0.0017	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.23	1.445	0.0008	-2.5 to 2.5	Pass
					3.80	2.203	0.0013	-2.5 to 2.5	Pass
					4.37	2.975	0.0017	-2.5 to 2.5	Pass
				-30	3.80	1.888	0.0011	-2.5 to 2.5	Pass
				-20	3.80	0.672	0.0004	-2.5 to 2.5	Pass
				-10	3.80	0.529	0.0003	-2.5 to 2.5	Pass
				0	3.80	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.80	1.631	0.0010	-2.5 to 2.5	Pass
				30	3.80	0.973	0.0006	-2.5 to 2.5	Pass
				40	3.80	2.246	0.0013	-2.5 to 2.5	Pass
	50	3.80	0.958	0.0006	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.23	0.730	0.0004	-2.5 to 2.5	Pass
					3.80	0.787	0.0005	-2.5 to 2.5	Pass
					4.37	1.831	0.0011	-2.5 to 2.5	Pass
				-30	3.80	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.80	0.558	0.0003	-2.5 to 2.5	Pass
				-10	3.80	0.458	0.0003	-2.5 to 2.5	Pass
				0	3.80	0.129	0.0001	-2.5 to 2.5	Pass
				10	3.80	0.501	0.0003	-2.5 to 2.5	Pass
				30	3.80	0.544	0.0003	-2.5 to 2.5	Pass
40				3.80	0.300	0.0002	-2.5 to 2.5	Pass	
50	3.80	1.316	0.0008	-2.5 to 2.5	Pass				
1752.5	25	0	20	3.23	-3.948	-0.0023	-2.5 to 2.5	Pass	
				3.80	-4.220	-0.0024	-2.5 to 2.5	Pass	
				4.37	-2.947	-0.0017	-2.5 to 2.5	Pass	
			-30	3.80	-2.689	-0.0015	-2.5 to 2.5	Pass	
			-20	3.80	-3.591	-0.0020	-2.5 to 2.5	Pass	
			-10	3.80	-3.076	-0.0018	-2.5 to 2.5	Pass	
			0	3.80	-3.290	-0.0019	-2.5 to 2.5	Pass	
			10	3.80	-3.219	-0.0018	-2.5 to 2.5	Pass	
			30	3.80	-3.276	-0.0019	-2.5 to 2.5	Pass	
			40	3.80	-3.147	-0.0018	-2.5 to 2.5	Pass	
50	3.80	-3.276	-0.0019	-2.5 to 2.5	Pass				
64QAM	1712.5	25	0	20	3.23	-6.237	-0.0036	-2.5 to 2.5	Pass
					3.80	-5.965	-0.0035	-2.5 to 2.5	Pass
					4.37	-0.129	-0.0001	-2.5 to 2.5	Pass
				-30	3.80	-3.061	-0.0018	-2.5 to 2.5	Pass
				-20	3.80	2.403	0.0014	-2.5 to 2.5	Pass
				-10	3.80	0.572	0.0003	-2.5 to 2.5	Pass
				0	3.80	-4.578	-0.0027	-2.5 to 2.5	Pass
				10	3.80	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.80	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.80	-4.621	-0.0027	-2.5 to 2.5	Pass
				50	3.80	-3.190	-0.0019	-2.5 to 2.5	Pass
				1732.5	25	0	20	3.23	-6.809

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



					3.80	-10.428	-0.0060	-2.5 to 2.5	Pass	
					4.37	-5.293	-0.0031	-2.5 to 2.5	Pass	
				-30	3.80	-8.712	-0.0050	-2.5 to 2.5	Pass	
				-20	3.80	-9.341	-0.0054	-2.5 to 2.5	Pass	
				-10	3.80	-9.599	-0.0055	-2.5 to 2.5	Pass	
				0	3.80	-6.723	-0.0039	-2.5 to 2.5	Pass	
				10	3.80	-5.894	-0.0034	-2.5 to 2.5	Pass	
				30	3.80	-11.015	-0.0064	-2.5 to 2.5	Pass	
				40	3.80	-6.237	-0.0036	-2.5 to 2.5	Pass	
	50	3.80	-2.117	-0.0012	-2.5 to 2.5	Pass				
	1752.5	25	0		20	3.23	-9.484	-0.0054	-2.5 to 2.5	Pass
						3.80	-10.228	-0.0058	-2.5 to 2.5	Pass
						4.37	-5.078	-0.0029	-2.5 to 2.5	Pass
					-30	3.80	-6.080	-0.0035	-2.5 to 2.5	Pass
					-20	3.80	-2.861	-0.0016	-2.5 to 2.5	Pass
					-10	3.80	-1.402	-0.0008	-2.5 to 2.5	Pass
					0	3.80	-3.591	-0.0020	-2.5 to 2.5	Pass
					10	3.80	-7.811	-0.0045	-2.5 to 2.5	Pass
30					3.80	-4.950	-0.0028	-2.5 to 2.5	Pass	
	40	3.80	-4.277	-0.0024	-2.5 to 2.5	Pass				
	50	3.80	-5.307	-0.0030	-2.5 to 2.5	Pass				

2.4 B4\_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1715	50	0	20	3.23	-2.103	-0.0012	-2.5 to 2.5	Pass	
					3.80	-2.003	-0.0012	-2.5 to 2.5	Pass	
					4.37	-2.947	-0.0017	-2.5 to 2.5	Pass	
					-30	3.80	-1.373	-0.0008	-2.5 to 2.5	Pass
					-20	3.80	-1.860	-0.0011	-2.5 to 2.5	Pass
					-10	3.80	-1.802	-0.0011	-2.5 to 2.5	Pass
					0	3.80	-2.561	-0.0015	-2.5 to 2.5	Pass
					10	3.80	-3.290	-0.0019	-2.5 to 2.5	Pass
					30	3.80	-3.791	-0.0022	-2.5 to 2.5	Pass
		40	3.80	-2.947	-0.0017	-2.5 to 2.5	Pass			
		50	3.80	-2.646	-0.0015	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.23	0.215	0.0001	-2.5 to 2.5	Pass	
					3.80	-0.443	-0.0003	-2.5 to 2.5	Pass	
					4.37	0.772	0.0004	-2.5 to 2.5	Pass	
					-30	3.80	0.100	0.0001	-2.5 to 2.5	Pass
					-20	3.80	1.116	0.0006	-2.5 to 2.5	Pass
					-10	3.80	1.316	0.0008	-2.5 to 2.5	Pass
					0	3.80	-0.286	-0.0002	-2.5 to 2.5	Pass
10					3.80	-0.787	-0.0005	-2.5 to 2.5	Pass	
30					3.80	0.300	0.0002	-2.5 to 2.5	Pass	
	40	3.80	0.429	0.0002	-2.5 to 2.5	Pass				
	50	3.80	0.072	0.0000	-2.5 to 2.5	Pass				
	1750	50	0	20	3.23	1.774	0.0010	-2.5 to 2.5	Pass	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

					3.80	2.961	0.0017	-2.5 to 2.5	Pass
					4.37	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.80	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.80	-0.286	-0.0002	-2.5 to 2.5	Pass
				-10	3.80	1.044	0.0006	-2.5 to 2.5	Pass
				0	3.80	0.901	0.0005	-2.5 to 2.5	Pass
				10	3.80	0.844	0.0005	-2.5 to 2.5	Pass
				30	3.80	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.80	0.529	0.0003	-2.5 to 2.5	Pass
				50	3.80	1.531	0.0009	-2.5 to 2.5	Pass
16QAM	1715	50	0		3.23	-2.890	-0.0017	-2.5 to 2.5	Pass
				20	3.80	-2.832	-0.0017	-2.5 to 2.5	Pass
					4.37	-1.602	-0.0009	-2.5 to 2.5	Pass
				-30	3.80	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	-1.802	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	-1.645	-0.0010	-2.5 to 2.5	Pass
				0	3.80	-1.860	-0.0011	-2.5 to 2.5	Pass
				10	3.80	-1.674	-0.0010	-2.5 to 2.5	Pass
				30	3.80	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	3.80	-1.588	-0.0009	-2.5 to 2.5	Pass
	50	3.80	-1.888	-0.0011	-2.5 to 2.5	Pass			
		3.23	0.443	0.0003	-2.5 to 2.5	Pass			
	20	3.80	0.172	0.0001	-2.5 to 2.5	Pass			
		4.37	0.443	0.0003	-2.5 to 2.5	Pass			
	-30	3.80	-0.701	-0.0004	-2.5 to 2.5	Pass			
	-20	3.80	-1.144	-0.0007	-2.5 to 2.5	Pass			
	-10	3.80	-0.830	-0.0005	-2.5 to 2.5	Pass			
	0	3.80	0.501	0.0003	-2.5 to 2.5	Pass			
	10	3.80	0.100	0.0001	-2.5 to 2.5	Pass			
	30	3.80	0.715	0.0004	-2.5 to 2.5	Pass			
40	3.80	-0.014	0.0000	-2.5 to 2.5	Pass				
50	3.80	-0.286	-0.0002	-2.5 to 2.5	Pass				
	3.23	1.674	0.0010	-2.5 to 2.5	Pass				
20	3.80	2.489	0.0014	-2.5 to 2.5	Pass				
	4.37	3.290	0.0019	-2.5 to 2.5	Pass				
-30	3.80	0.429	0.0002	-2.5 to 2.5	Pass				
-20	3.80	2.489	0.0014	-2.5 to 2.5	Pass				
-10	3.80	0.830	0.0005	-2.5 to 2.5	Pass				
0	3.80	1.144	0.0007	-2.5 to 2.5	Pass				
10	3.80	1.316	0.0008	-2.5 to 2.5	Pass				
30	3.80	0.486	0.0003	-2.5 to 2.5	Pass				
40	3.80	0.987	0.0006	-2.5 to 2.5	Pass				
50	3.80	0.858	0.0005	-2.5 to 2.5	Pass				
64QAM	1715	50	0		3.23	-6.480	-0.0038	-2.5 to 2.5	Pass
				20	3.80	-7.010	-0.0041	-2.5 to 2.5	Pass
					4.37	-2.789	-0.0016	-2.5 to 2.5	Pass
				-30	3.80	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.80	-4.907	-0.0029	-2.5 to 2.5	Pass
				-10	3.80	-4.463	-0.0026	-2.5 to 2.5	Pass
				0	3.80	-4.935	-0.0029	-2.5 to 2.5	Pass
				10	3.80	-6.795	-0.0040	-2.5 to 2.5	Pass
				30	3.80	-8.240	-0.0048	-2.5 to 2.5	Pass
				40	3.80	-8.798	-0.0051	-2.5 to 2.5	Pass
50	3.80	-6.008	-0.0035	-2.5 to 2.5	Pass				

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



1732.5	50	0	20	3.23	-3.304	-0.0019	-2.5 to 2.5	Pass				
				3.80	-3.505	-0.0020	-2.5 to 2.5	Pass				
				4.37	-6.080	-0.0035	-2.5 to 2.5	Pass				
			1750	50	0	-30	3.80	-1.588	-0.0009	-2.5 to 2.5	Pass	
							-20	3.80	-2.789	-0.0016	-2.5 to 2.5	Pass
								-10	3.80	-4.792	-0.0028	-2.5 to 2.5
						0	3.80	-4.978	-0.0029	-2.5 to 2.5	Pass	
							10	3.80	-8.626	-0.0050	-2.5 to 2.5	Pass
							30	3.80	-4.478	-0.0026	-2.5 to 2.5	Pass
							40	3.80	-2.847	-0.0016	-2.5 to 2.5	Pass
							50	3.80	-1.545	-0.0009	-2.5 to 2.5	Pass
							20	3.23	-7.811	-0.0045	-2.5 to 2.5	Pass
								3.80	-2.918	-0.0017	-2.5 to 2.5	Pass
								4.37	-2.632	-0.0015	-2.5 to 2.5	Pass
						-30		3.80	-4.334	-0.0025	-2.5 to 2.5	Pass
								-20	3.80	-4.320	-0.0025	-2.5 to 2.5
-10	3.80	-2.418	-0.0014	-2.5 to 2.5	Pass							
	0	3.80	-5.379	-0.0031	-2.5 to 2.5	Pass						
	10	3.80	-5.293	-0.0030	-2.5 to 2.5	Pass						
	30	3.80	-7.281	-0.0042	-2.5 to 2.5	Pass						
	40	3.80	-4.878	-0.0028	-2.5 to 2.5	Pass						
	50	3.80	-7.610	-0.0043	-2.5 to 2.5	Pass						

2.5 B4\_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.23	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.80	-0.329	-0.0002	-2.5 to 2.5	Pass
					4.37	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.80	0.529	0.0003	-2.5 to 2.5	Pass
					-20	3.80	-0.372	-0.0002	-2.5 to 2.5
				-10	3.80	0.672	0.0004	-2.5 to 2.5	Pass
					0	3.80	-0.730	-0.0004	-2.5 to 2.5
				10	3.80	0.529	0.0003	-2.5 to 2.5	Pass
					30	3.80	0.401	0.0002	-2.5 to 2.5
				40	3.80	-0.072	0.0000	-2.5 to 2.5	Pass
	50	3.80	0.472		0.0003	-2.5 to 2.5	Pass		
	1732.5	75	0	20	3.23	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.80	-0.329	-0.0002	-2.5 to 2.5	Pass
					4.37	0.615	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-0.558	-0.0003	-2.5 to 2.5	Pass
					-20	3.80	1.116	0.0006	-2.5 to 2.5
				-10	3.80	-0.272	-0.0002	-2.5 to 2.5	Pass
					0	3.80	0.401	0.0002	-2.5 to 2.5
				10	3.80	-0.715	-0.0004	-2.5 to 2.5	Pass
					30	3.80	0.129	0.0001	-2.5 to 2.5
40				3.80	-0.129	-0.0001	-2.5 to 2.5	Pass	
	50	3.80	-0.029	0.0000	-2.5 to 2.5	Pass			

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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  
 t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

	1747.5	75	0	20	3.23	-0.029	0.0000	-2.5 to 2.5	Pass
					3.80	-1.287	-0.0007	-2.5 to 2.5	Pass
					4.37	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.80	-0.458	-0.0003	-2.5 to 2.5	Pass
					-20	3.80	0.987	0.0006	-2.5 to 2.5
				-10	3.80	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.80	-0.887	-0.0005	-2.5 to 2.5	Pass
				10	3.80	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.80	1.216	0.0007	-2.5 to 2.5	Pass
				40	3.80	0.901	0.0005	-2.5 to 2.5	Pass
50	3.80	-0.272	-0.0002	-2.5 to 2.5	Pass				
	1717.5	75	0	20	3.23	0.043	0.0000	-2.5 to 2.5	Pass
					3.80	0.787	0.0005	-2.5 to 2.5	Pass
					4.37	-0.715	-0.0004	-2.5 to 2.5	Pass
				-30	3.80	0.672	0.0004	-2.5 to 2.5	Pass
					-20	3.80	0.000	0.0000	-2.5 to 2.5
				-10	3.80	-0.629	-0.0004	-2.5 to 2.5	Pass
				0	3.80	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.80	0.086	0.0001	-2.5 to 2.5	Pass
				30	3.80	0.057	0.0000	-2.5 to 2.5	Pass
				40	3.80	-0.086	-0.0001	-2.5 to 2.5	Pass
50	3.80	0.329	0.0002	-2.5 to 2.5	Pass				
16QAM	1732.5	75	0	20	3.23	0.715	0.0004	-2.5 to 2.5	Pass
					3.80	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.37	0.858	0.0005	-2.5 to 2.5	Pass
				-30	3.80	0.887	0.0005	-2.5 to 2.5	Pass
					-20	3.80	0.443	0.0003	-2.5 to 2.5
				-10	3.80	-0.658	-0.0004	-2.5 to 2.5	Pass
				0	3.80	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	3.80	0.858	0.0005	-2.5 to 2.5	Pass
				30	3.80	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.80	0.329	0.0002	-2.5 to 2.5	Pass
50	3.80	-0.772	-0.0004	-2.5 to 2.5	Pass				
	1747.5	75	0	20	3.23	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.80	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.37	-0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.80	-0.029	0.0000	-2.5 to 2.5	Pass
					-20	3.80	-0.572	-0.0003	-2.5 to 2.5
				-10	3.80	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.80	0.300	0.0002	-2.5 to 2.5	Pass
				10	3.80	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.80	1.030	0.0006	-2.5 to 2.5	Pass
				40	3.80	0.186	0.0001	-2.5 to 2.5	Pass
50	3.80	-0.544	-0.0003	-2.5 to 2.5	Pass				
64QAM	1717.5	75	0	20	3.23	-3.119	-0.0018	-2.5 to 2.5	Pass
					3.80	-3.548	-0.0021	-2.5 to 2.5	Pass
					4.37	-2.446	-0.0014	-2.5 to 2.5	Pass
				-30	3.80	-1.688	-0.0010	-2.5 to 2.5	Pass
					-20	3.80	-3.991	-0.0023	-2.5 to 2.5
				-10	3.80	-5.221	-0.0030	-2.5 to 2.5	Pass
				0	3.80	-9.456	-0.0055	-2.5 to 2.5	Pass
				10	3.80	-8.411	-0.0049	-2.5 to 2.5	Pass
				30	3.80	-4.721	-0.0027	-2.5 to 2.5	Pass
				40	3.80	-5.322	-0.0031	-2.5 to 2.5	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

	1732.5	75	0	50	3.80	-2.604	-0.0015	-2.5 to 2.5	Pass
				20	3.23	-4.306	-0.0025	-2.5 to 2.5	Pass
					3.80	-7.381	-0.0043	-2.5 to 2.5	Pass
					4.37	-2.775	-0.0016	-2.5 to 2.5	Pass
				-30	3.80	-5.479	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	-3.476	-0.0020	-2.5 to 2.5	Pass
				-10	3.80	-7.925	-0.0046	-2.5 to 2.5	Pass
				0	3.80	-6.509	-0.0038	-2.5 to 2.5	Pass
				10	3.80	-5.121	-0.0030	-2.5 to 2.5	Pass
	30	3.80	-1.531	-0.0009	-2.5 to 2.5	Pass			
	40	3.80	-2.918	-0.0017	-2.5 to 2.5	Pass			
	50	3.80	-5.136	-0.0030	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.23	-4.263	-0.0024	-2.5 to 2.5	Pass
					3.80	-5.593	-0.0032	-2.5 to 2.5	Pass
					4.37	-7.453	-0.0043	-2.5 to 2.5	Pass
				-30	3.80	-5.565	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	-7.381	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-8.540	-0.0049	-2.5 to 2.5	Pass
0				3.80	-6.251	-0.0036	-2.5 to 2.5	Pass	
10				3.80	-4.907	-0.0028	-2.5 to 2.5	Pass	
30				3.80	-3.319	-0.0019	-2.5 to 2.5	Pass	
40	3.80	-5.550	-0.0032	-2.5 to 2.5	Pass				
50	3.80	-4.992	-0.0029	-2.5 to 2.5	Pass				

2.6 B4\_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.23	1.316	0.0008	-2.5 to 2.5	Pass
					3.80	1.788	0.0010	-2.5 to 2.5	Pass
					4.37	0.658	0.0004	-2.5 to 2.5	Pass
				-30	3.80	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.80	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.80	1.745	0.0010	-2.5 to 2.5	Pass
				0	3.80	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.80	2.332	0.0014	-2.5 to 2.5	Pass
				30	3.80	0.658	0.0004	-2.5 to 2.5	Pass
	40	3.80	0.157	0.0001	-2.5 to 2.5	Pass			
	50	3.80	0.472	0.0003	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.23	0.172	0.0001	-2.5 to 2.5	Pass
					3.80	-0.014	0.0000	-2.5 to 2.5	Pass
					4.37	-0.587	-0.0003	-2.5 to 2.5	Pass
				-30	3.80	0.529	0.0003	-2.5 to 2.5	Pass
				-20	3.80	1.273	0.0007	-2.5 to 2.5	Pass
				-10	3.80	1.245	0.0007	-2.5 to 2.5	Pass
				0	3.80	0.315	0.0002	-2.5 to 2.5	Pass
10				3.80	0.215	0.0001	-2.5 to 2.5	Pass	
30				3.80	-0.215	-0.0001	-2.5 to 2.5	Pass	
40	3.80	-0.587	-0.0003	-2.5 to 2.5	Pass				

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**



	1745	100	0	50	3.80	0.200	0.0001	-2.5 to 2.5	Pass
				20	3.23	-3.047	-0.0017	-2.5 to 2.5	Pass
					3.80	-4.120	-0.0024	-2.5 to 2.5	Pass
					4.37	-3.891	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-4.678	-0.0027	-2.5 to 2.5	Pass
				-20	3.80	-3.233	-0.0019	-2.5 to 2.5	Pass
				-10	3.80	-3.791	-0.0022	-2.5 to 2.5	Pass
				0	3.80	-2.074	-0.0012	-2.5 to 2.5	Pass
				10	3.80	-2.117	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-1.974	-0.0011	-2.5 to 2.5	Pass
				40	3.80	-2.532	-0.0015	-2.5 to 2.5	Pass
				50	3.80	-1.874	-0.0011	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	1.316	0.0008	-2.5 to 2.5	Pass
					3.80	0.386	0.0002	-2.5 to 2.5	Pass
					4.37	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.80	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.80	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.80	2.317	0.0013	-2.5 to 2.5	Pass
				0	3.80	2.060	0.0012	-2.5 to 2.5	Pass
				10	3.80	1.888	0.0011	-2.5 to 2.5	Pass
				30	3.80	1.087	0.0006	-2.5 to 2.5	Pass
				40	3.80	1.431	0.0008	-2.5 to 2.5	Pass
				50	3.80	2.432	0.0014	-2.5 to 2.5	Pass
				1732.5	100	0	20	3.23	0.701
	3.80	0.086	0.0000					-2.5 to 2.5	Pass
	4.37	1.187	0.0007					-2.5 to 2.5	Pass
	-30	3.80	1.087				0.0006	-2.5 to 2.5	Pass
	-20	3.80	1.459				0.0008	-2.5 to 2.5	Pass
	-10	3.80	1.030				0.0006	-2.5 to 2.5	Pass
	0	3.80	1.359				0.0008	-2.5 to 2.5	Pass
	10	3.80	1.001				0.0006	-2.5 to 2.5	Pass
	30	3.80	0.558				0.0003	-2.5 to 2.5	Pass
	40	3.80	0.401				0.0002	-2.5 to 2.5	Pass
	50	3.80	0.029				0.0000	-2.5 to 2.5	Pass
	1745	100	0				20	3.23	-2.489
				3.80	-2.632	-0.0015		-2.5 to 2.5	Pass
4.37				-1.559	-0.0009	-2.5 to 2.5		Pass	
-30				3.80	-1.888	-0.0011	-2.5 to 2.5	Pass	
-20				3.80	-2.332	-0.0013	-2.5 to 2.5	Pass	
-10				3.80	-2.675	-0.0015	-2.5 to 2.5	Pass	
0				3.80	-2.747	-0.0016	-2.5 to 2.5	Pass	
10				3.80	-3.219	-0.0018	-2.5 to 2.5	Pass	
30				3.80	-3.362	-0.0019	-2.5 to 2.5	Pass	
40				3.80	-3.133	-0.0018	-2.5 to 2.5	Pass	
50				3.80	-3.076	-0.0018	-2.5 to 2.5	Pass	
64QAM				1720	100	0	20	3.23	-8.554
	3.80	-7.253	-0.0042					-2.5 to 2.5	Pass
	4.37	-5.765	-0.0034					-2.5 to 2.5	Pass
	-30	3.80	-5.879				-0.0034	-2.5 to 2.5	Pass
	-20	3.80	-6.337				-0.0037	-2.5 to 2.5	Pass
	-10	3.80	-6.051				-0.0035	-2.5 to 2.5	Pass
	0	3.80	-3.905				-0.0023	-2.5 to 2.5	Pass
	10	3.80	-4.449				-0.0026	-2.5 to 2.5	Pass
30	3.80	-4.807	-0.0028	-2.5 to 2.5	Pass				

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained 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: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

t(86-512)57355888 f(86-512)57370818 www.sgsgrupp.com.cn

中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



1732.5	100	0	40	3.80	-6.166	-0.0036	-2.5 to 2.5	Pass			
			50	3.80	-3.648	-0.0021	-2.5 to 2.5	Pass			
			20	3.23	-4.091	-0.0024	-2.5 to 2.5	Pass			
				3.80	-5.651	-0.0033	-2.5 to 2.5	Pass			
				4.37	-2.089	-0.0012	-2.5 to 2.5	Pass			
			-30	3.80	-0.787	-0.0005	-2.5 to 2.5	Pass			
			-20	3.80	-5.908	-0.0034	-2.5 to 2.5	Pass			
			-10	3.80	-5.951	-0.0034	-2.5 to 2.5	Pass			
			0	3.80	-4.721	-0.0027	-2.5 to 2.5	Pass			
			10	3.80	-3.862	-0.0022	-2.5 to 2.5	Pass			
			30	3.80	1.416	0.0008	-2.5 to 2.5	Pass			
			40	3.80	-5.178	-0.0030	-2.5 to 2.5	Pass			
			50	3.80	-6.609	-0.0038	-2.5 to 2.5	Pass			
			1745	100	0	20	3.23	-4.435	-0.0025	-2.5 to 2.5	Pass
							3.80	-3.948	-0.0023	-2.5 to 2.5	Pass
							4.37	-4.520	-0.0026	-2.5 to 2.5	Pass
						-30	3.80	-1.130	-0.0006	-2.5 to 2.5	Pass
						-20	3.80	-4.106	-0.0024	-2.5 to 2.5	Pass
-10	3.80	-7.010				-0.0040	-2.5 to 2.5	Pass			
0	3.80	-3.605				-0.0021	-2.5 to 2.5	Pass			
10	3.80	-0.515				-0.0003	-2.5 to 2.5	Pass			
30	3.80	-2.060				-0.0012	-2.5 to 2.5	Pass			
40	3.80	-0.715				-0.0004	-2.5 to 2.5	Pass			
50	3.80	-1.330				-0.0008	-2.5 to 2.5	Pass			

### 3. Modulation Characteristics

#### 3.1 B4\_1.4MHz

##### 3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass
64QAM	1732.5	6	0	Refer To Test Graph		Pass

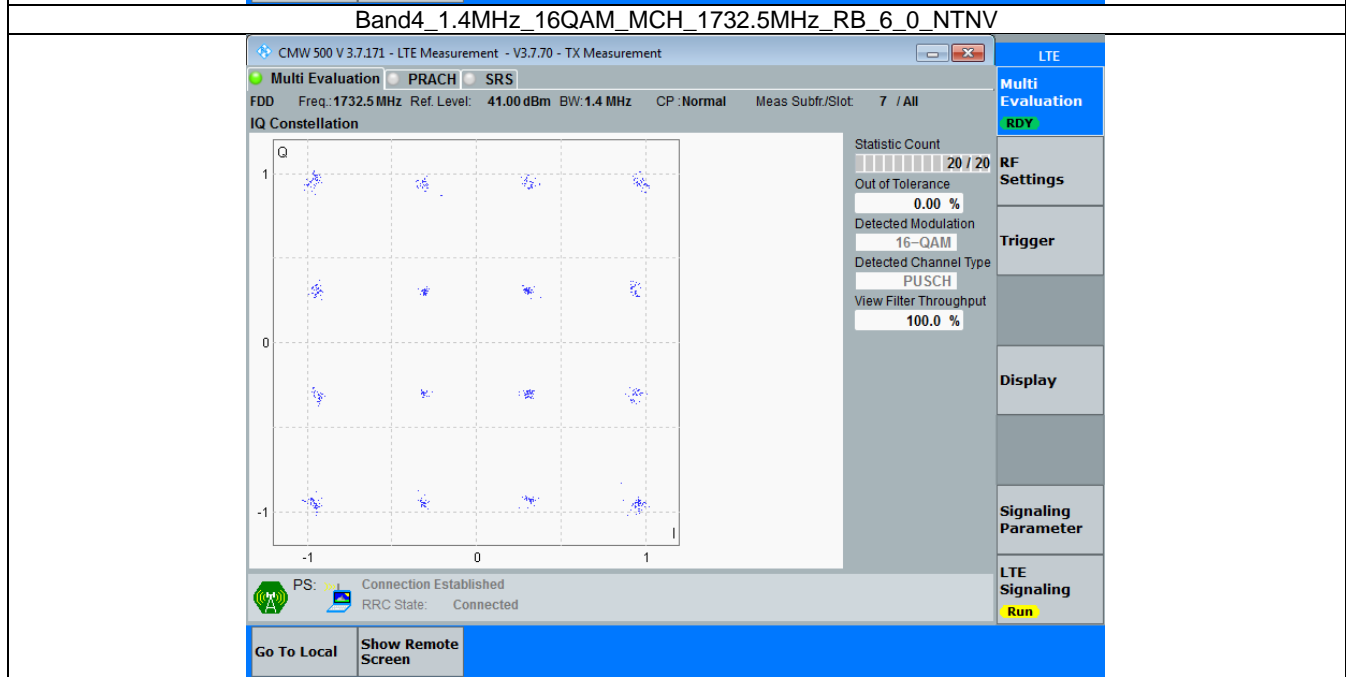
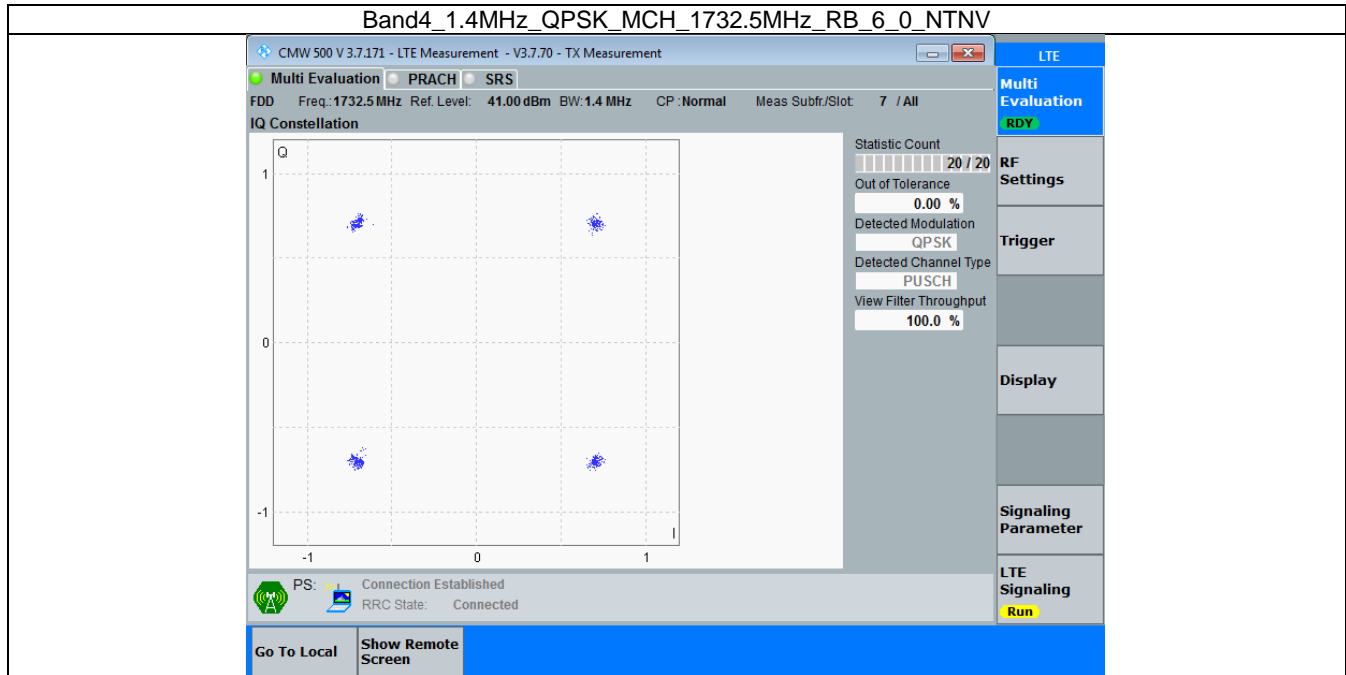


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

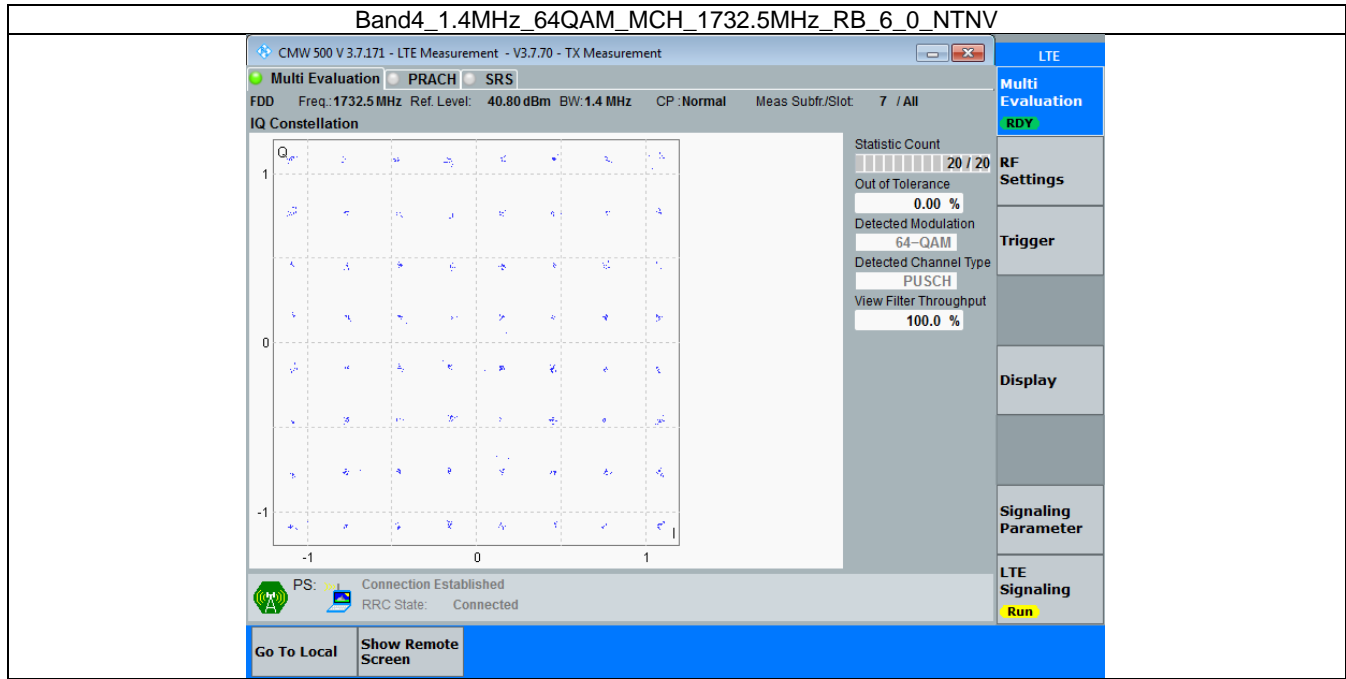
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgs.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

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-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**  
 No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

3.2 B4\_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass
64QAM	1732.5	15	0	Refer To Test Graph		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.

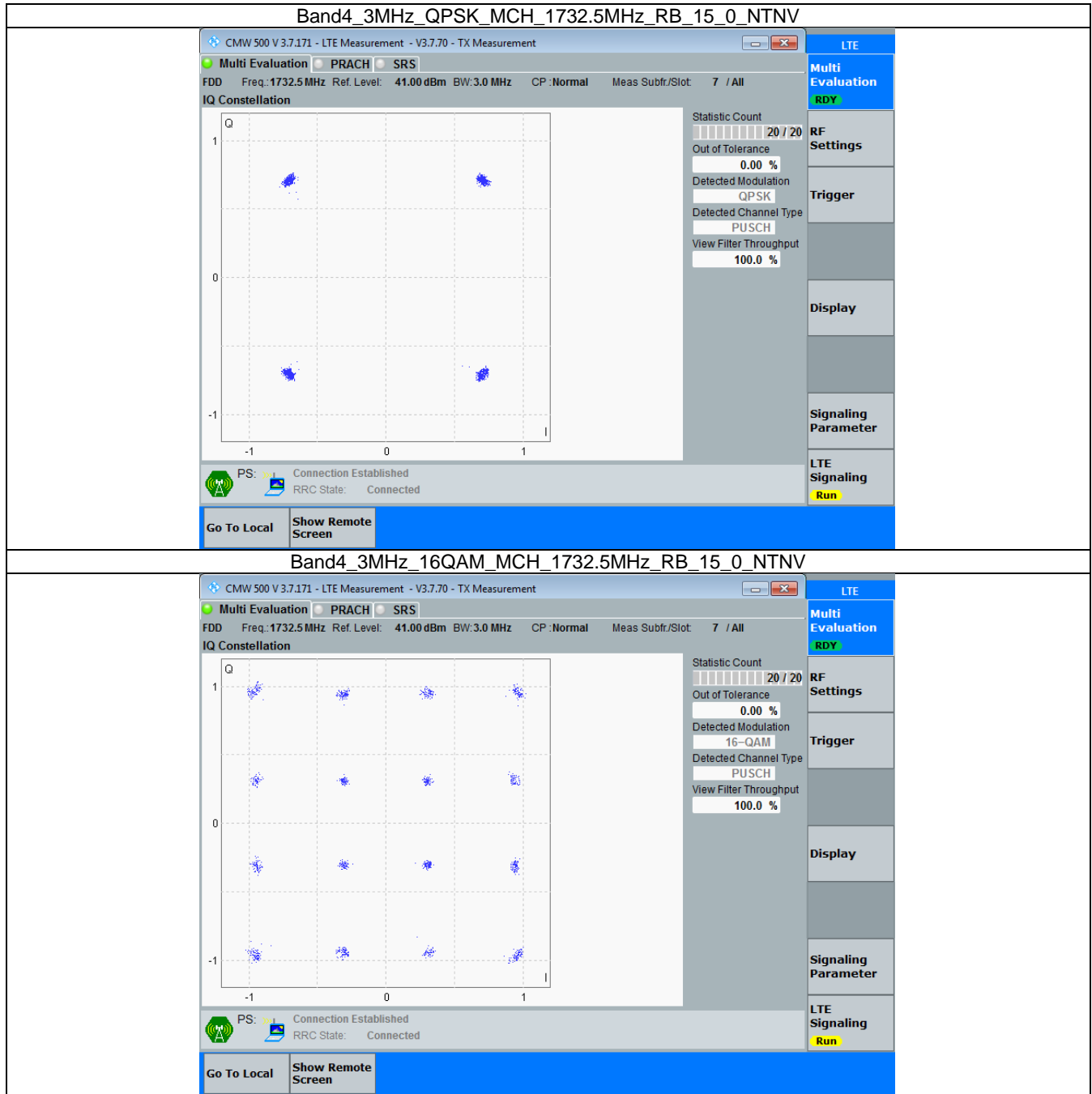
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



3.2.2 Test Graph

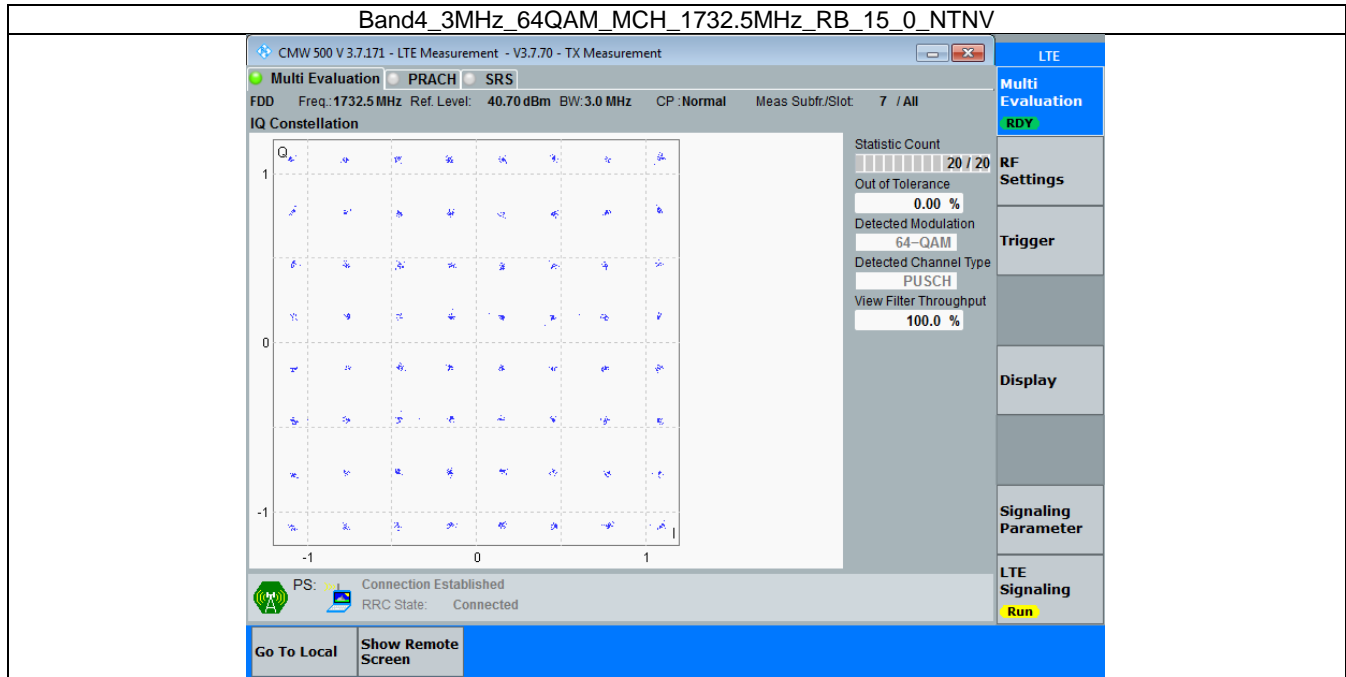


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com

3.3 B4\_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass
64QAM	1732.5	25	0	Refer To Test Graph		Pass

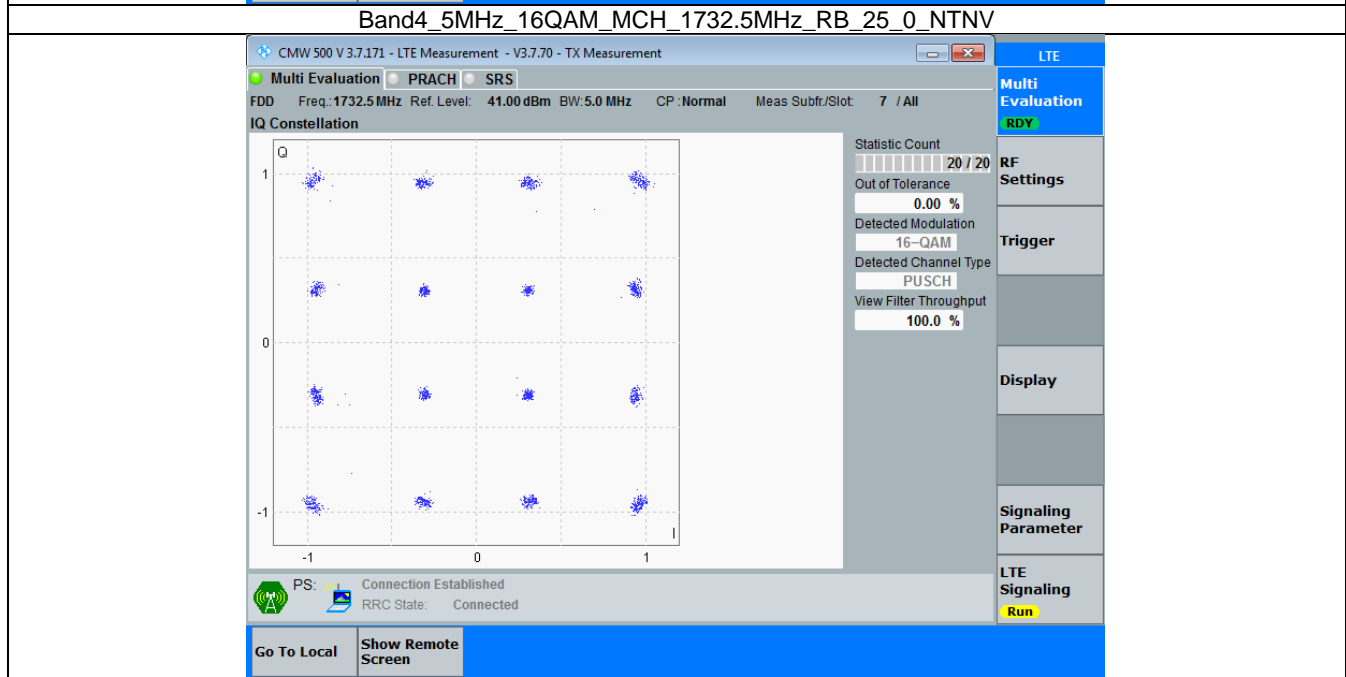
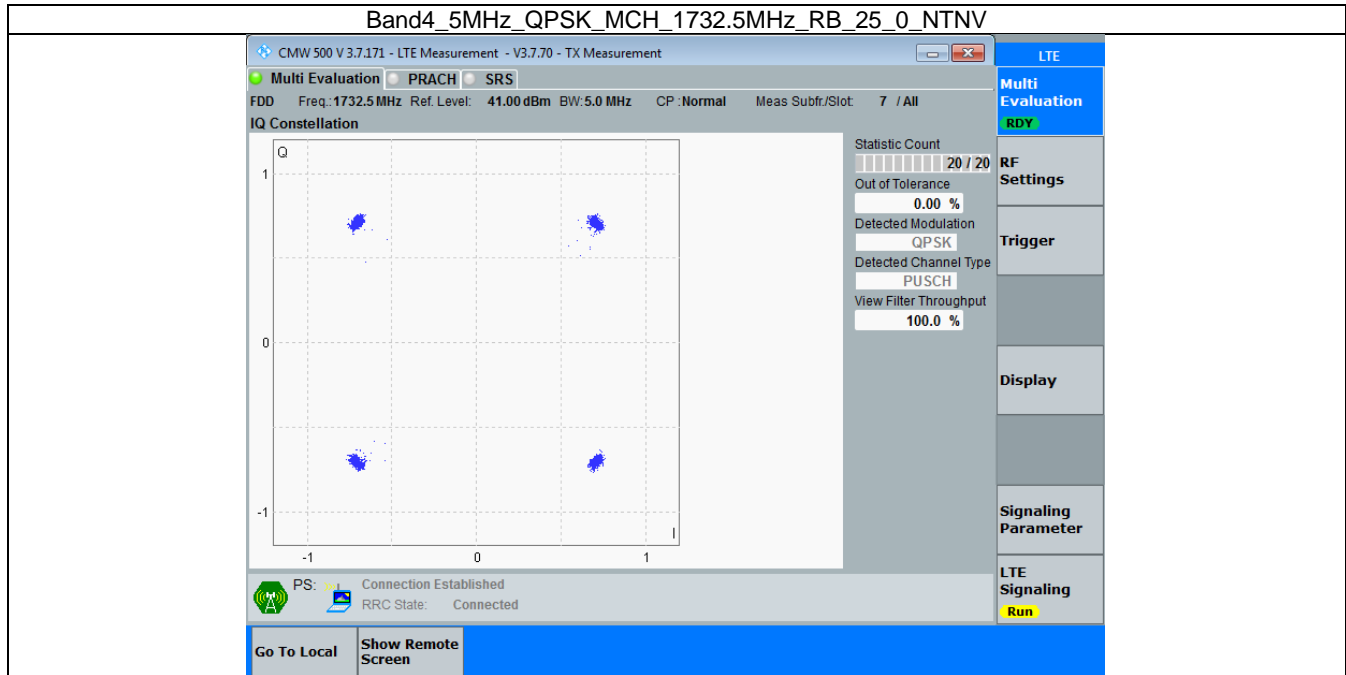


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

3.3.2 Test Graph

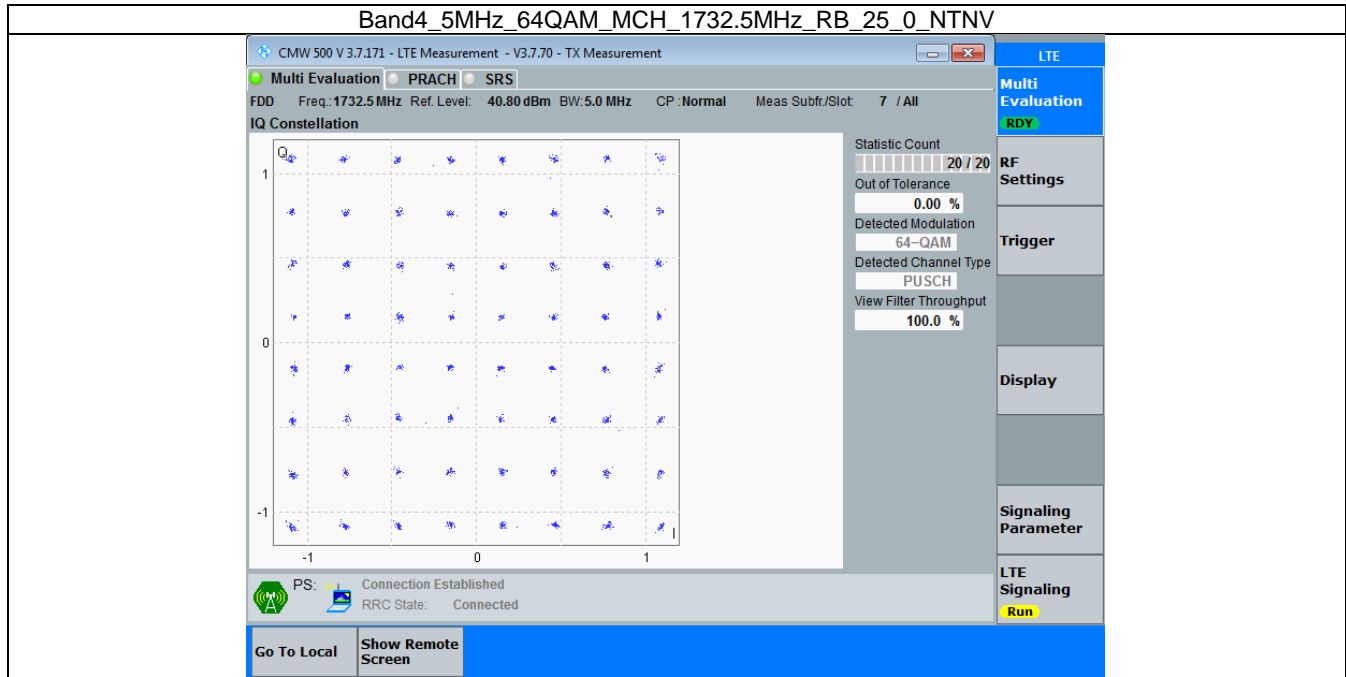


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgsgroup.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

3.4 B4\_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass
64QAM	1732.5	50	0	Refer To Test Graph		Pass

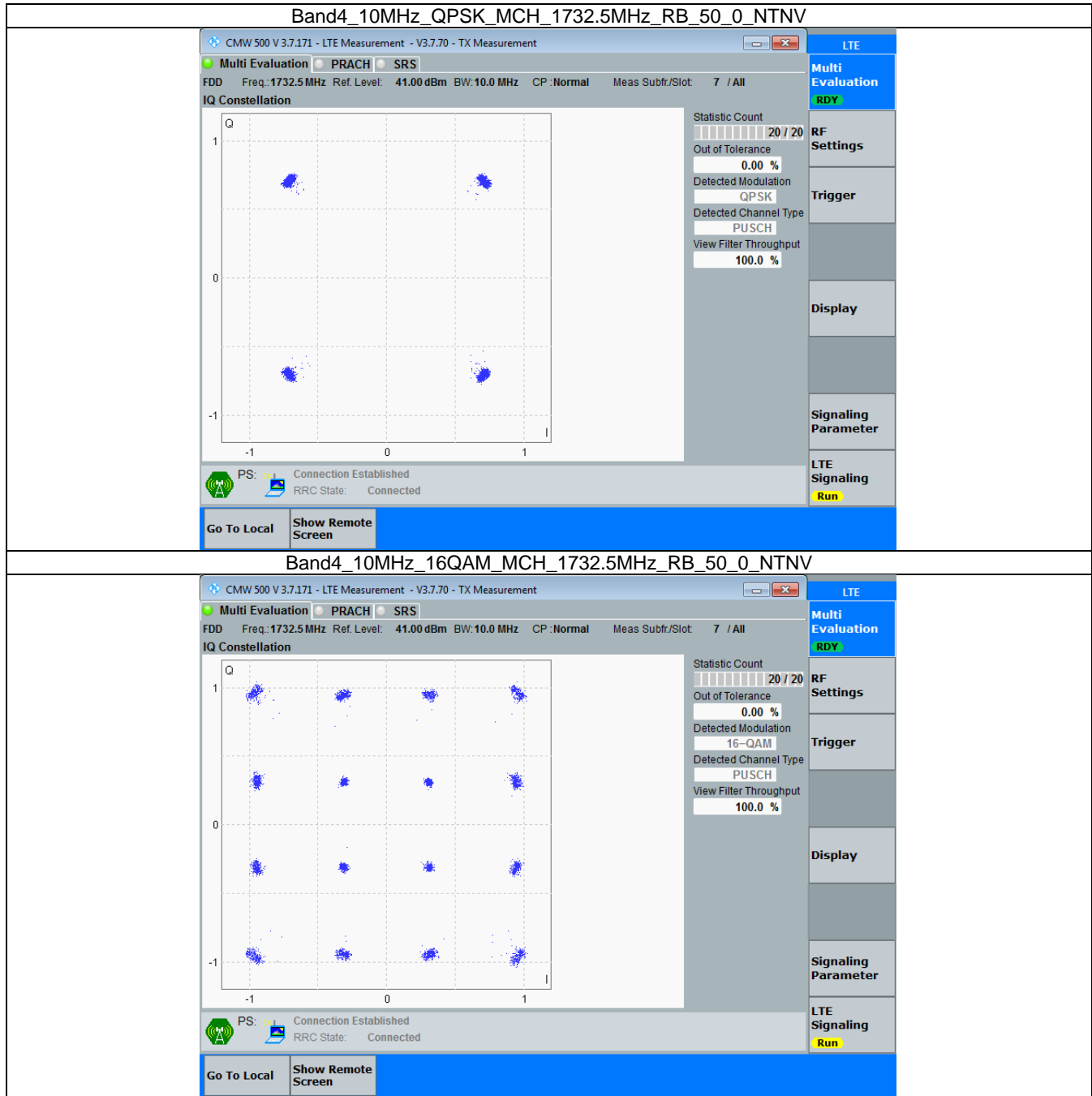


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgs.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

3.4.2 Test Graph

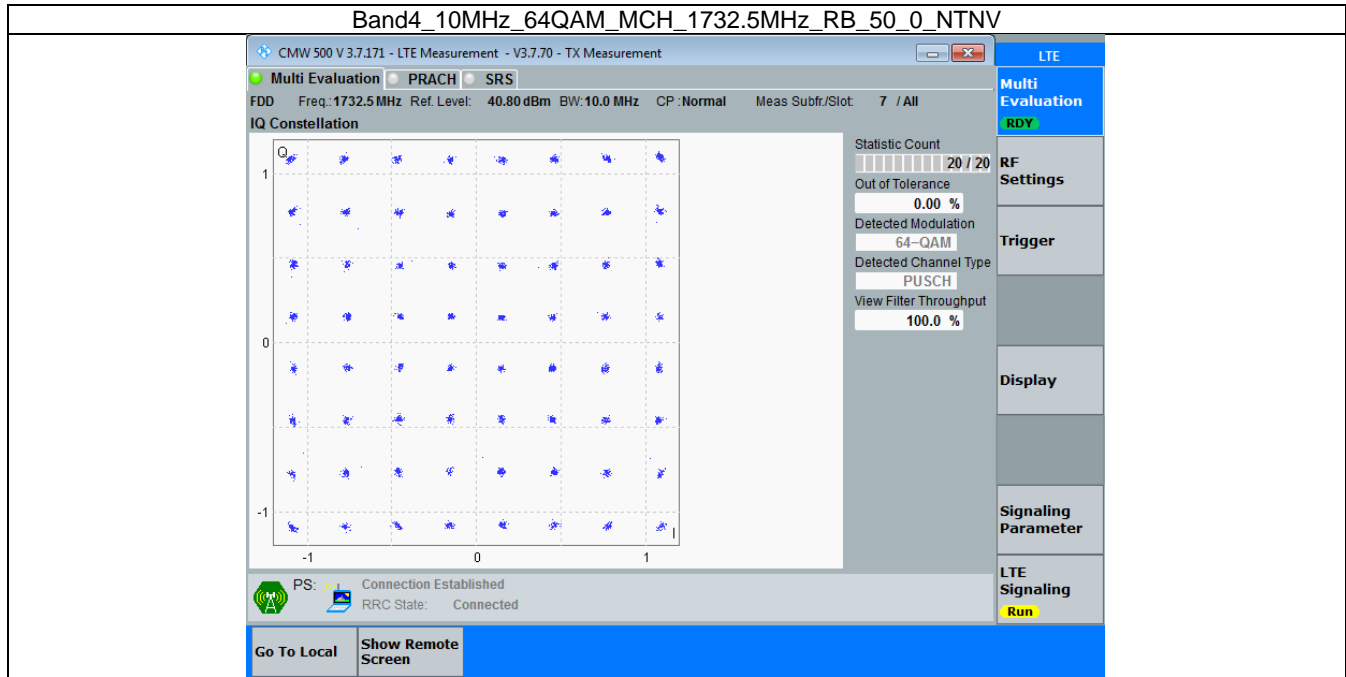


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com



3.5 B4\_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass
64QAM	1732.5	75	0	Refer To Test Graph		Pass

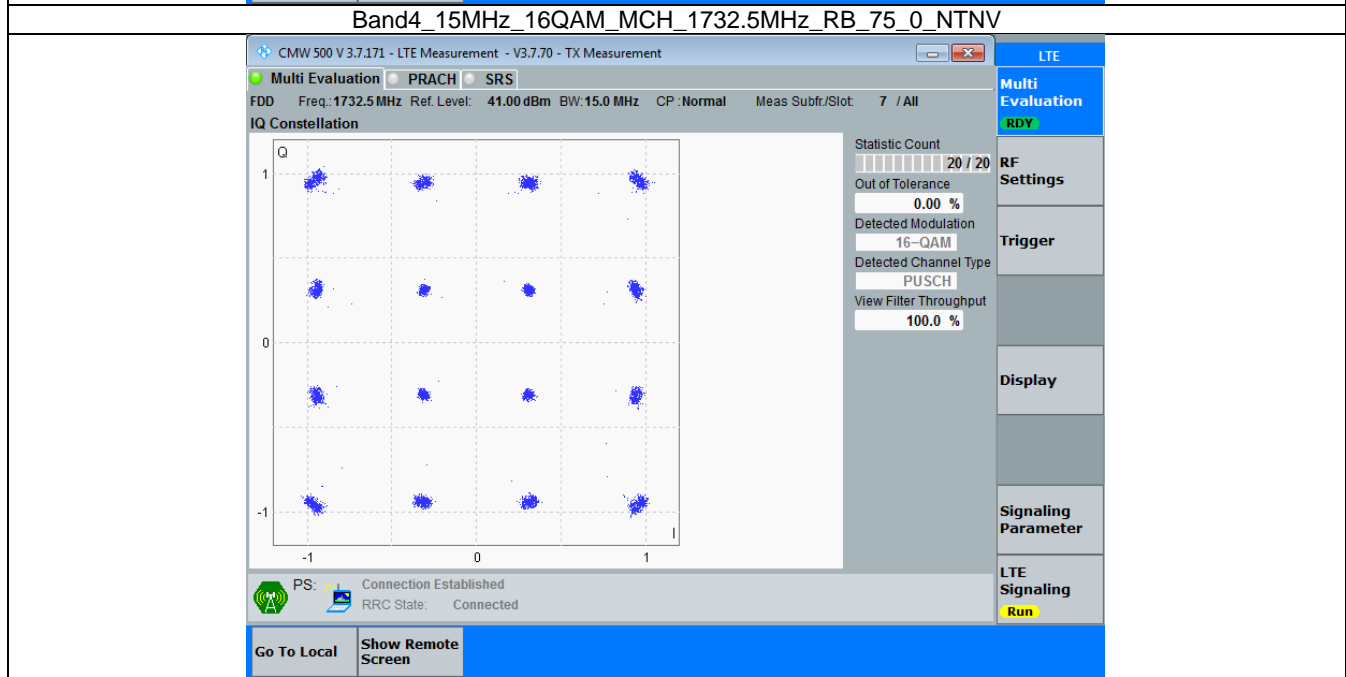
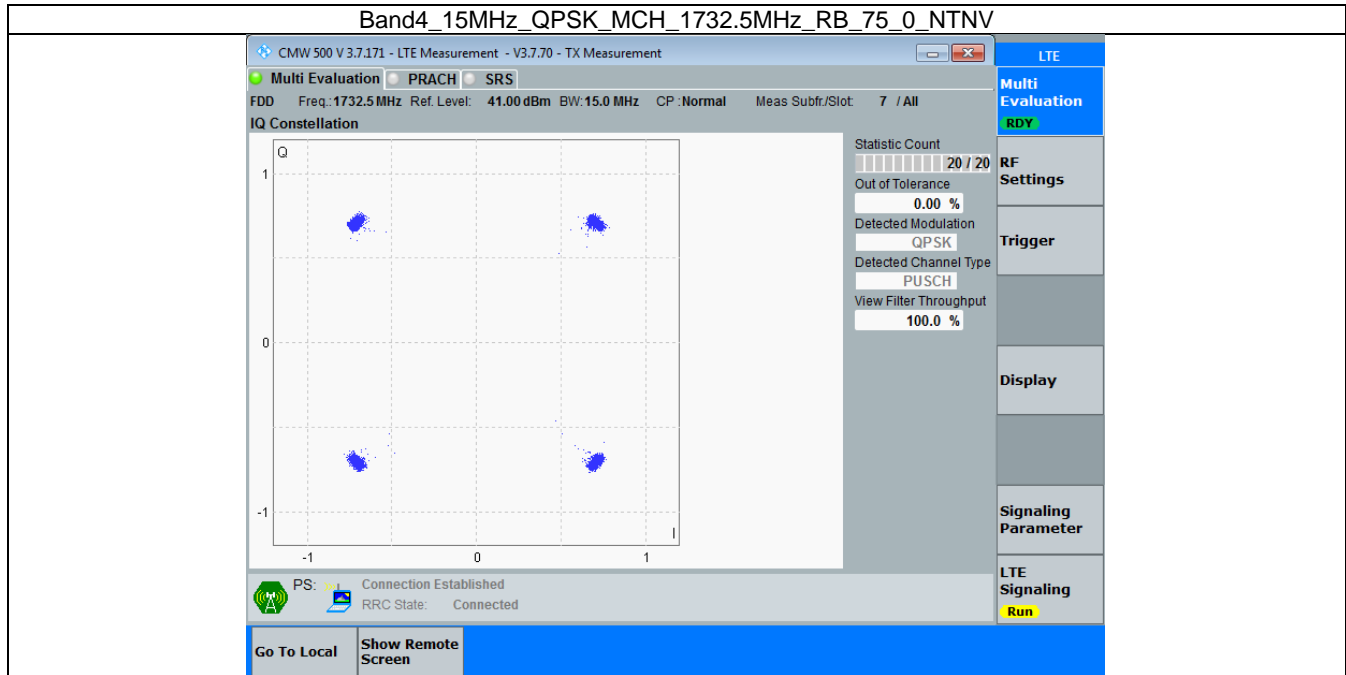


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888      f(86-512)57370818      www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888      f(86-512)57370818      sgs.china@sgs.com

3.5.2 Test Graph

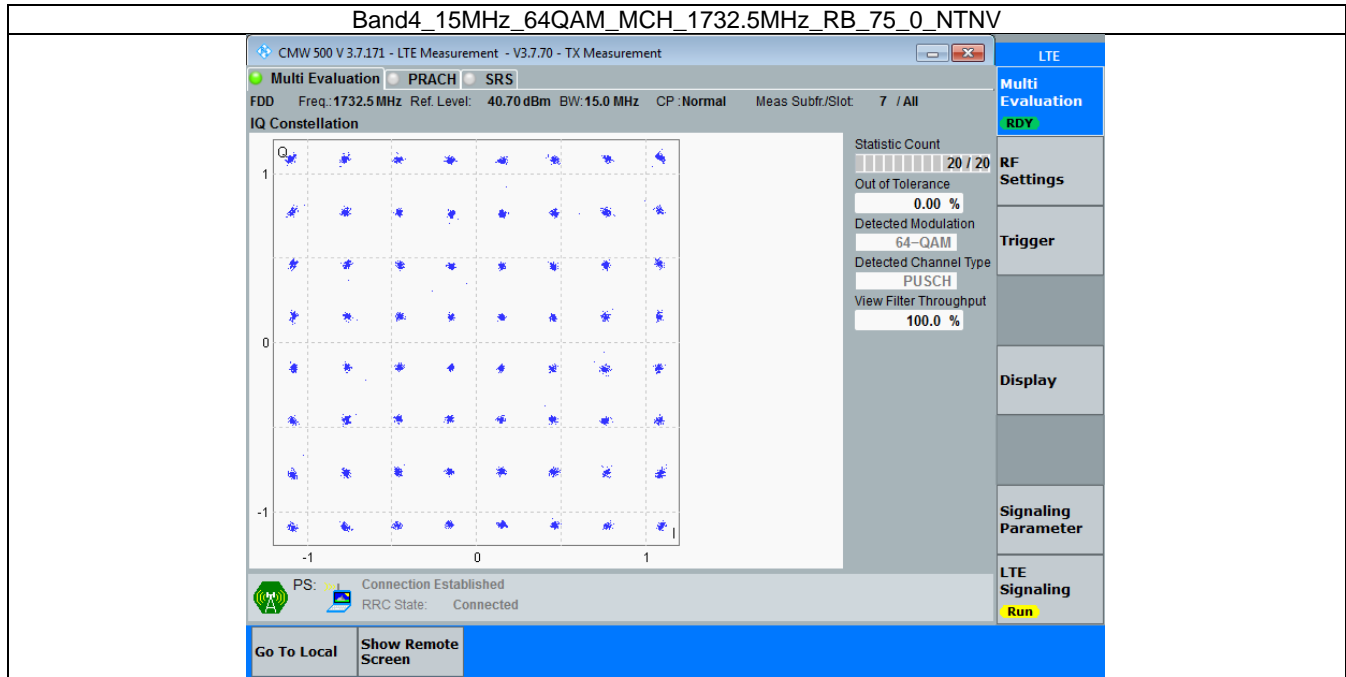


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

3.6 B4\_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass
64QAM	1732.5	100	0	Refer To Test Graph		Pass



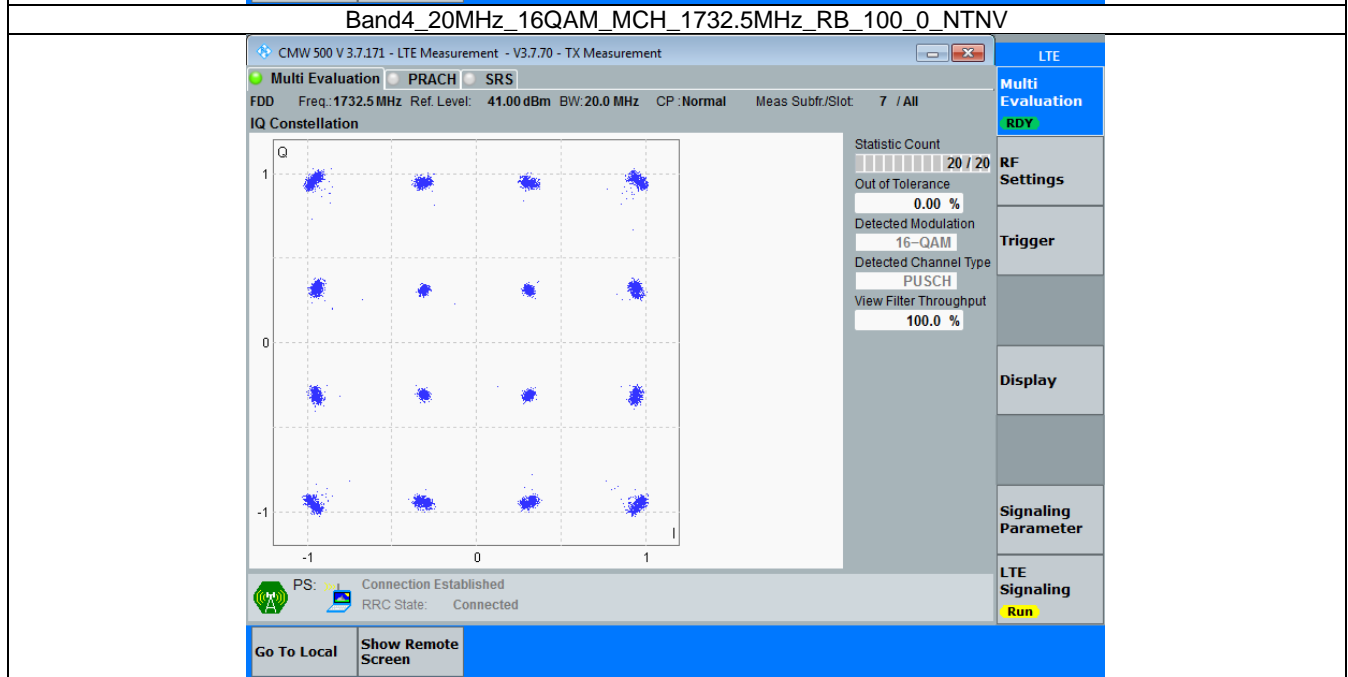
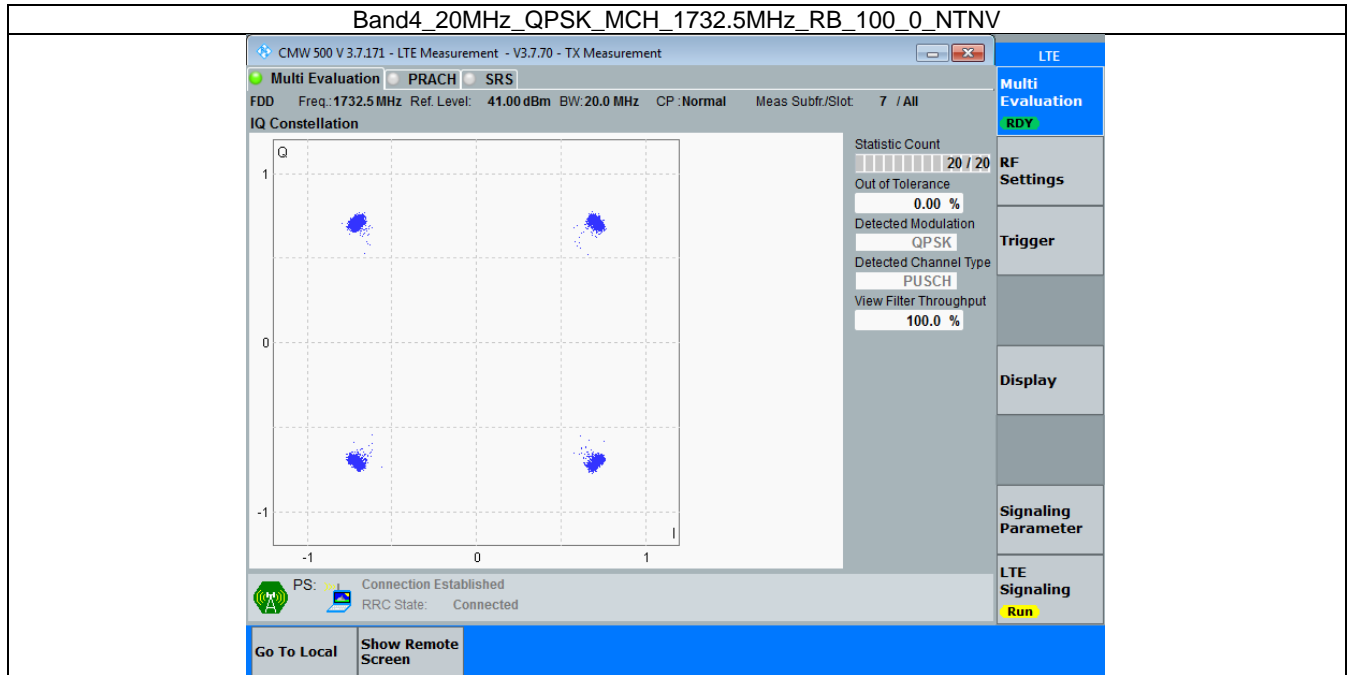
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

3.6.2 Test Graph

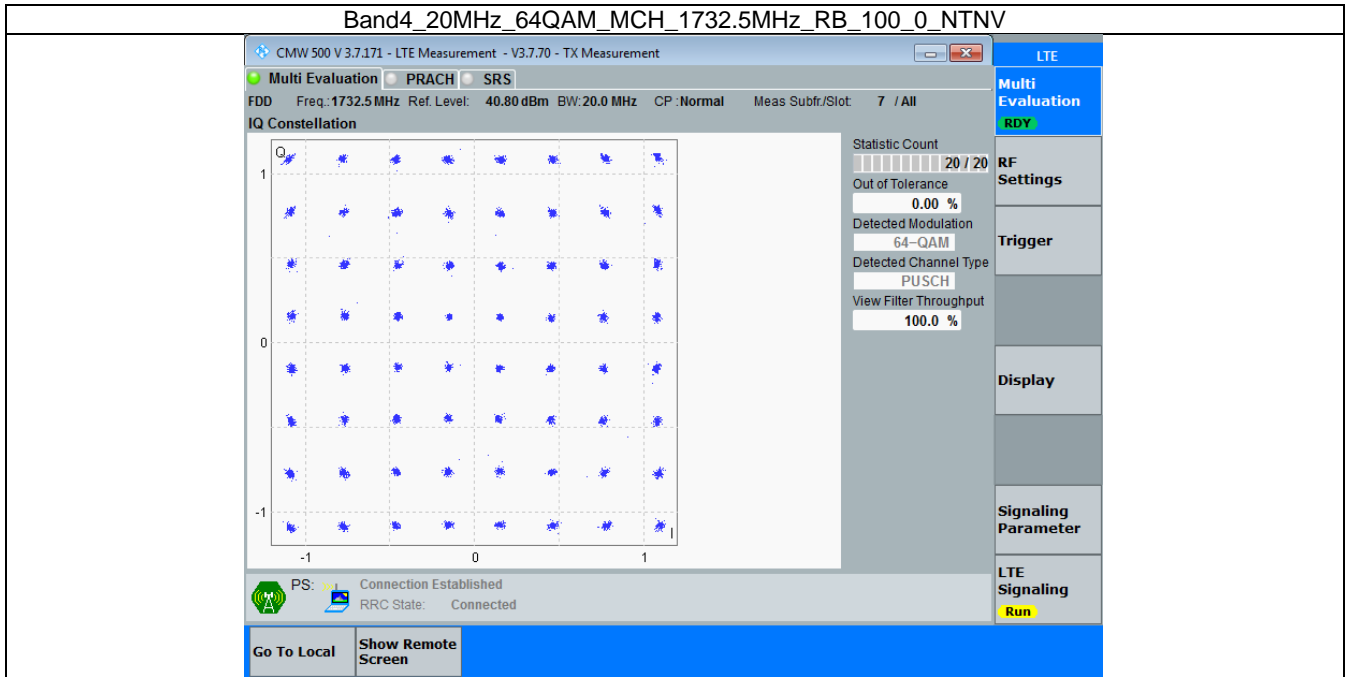


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

4. 99% & 26dB Bandwidth

4.1 Band4\_OBW

4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.092	Pass
		1732.5	6	0	1.106	Pass
		1754.3	6	0	1.111	Pass
	16QAM	1710.7	6	0	1.096	Pass
		1732.5	6	0	1.106	Pass
		1754.3	6	0	1.112	Pass
	64QAM	1710.7	6	0	1.105	Pass
		1732.5	6	0	1.103	Pass
		1754.3	6	0	1.102	Pass
3	QPSK	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.728	Pass
		1753.5	15	0	2.733	Pass
	16QAM	1711.5	15	0	2.716	Pass
		1732.5	15	0	2.724	Pass
		1753.5	15	0	2.726	Pass
	64QAM	1711.5	15	0	2.707	Pass
		1732.5	15	0	2.713	Pass
		1753.5	15	0	2.709	Pass
5	QPSK	1712.5	25	0	4.555	Pass
		1732.5	25	0	4.536	Pass
		1752.5	25	0	4.543	Pass
	16QAM	1712.5	25	0	4.530	Pass
		1732.5	25	0	4.545	Pass
		1752.5	25	0	4.574	Pass
	64QAM	1712.5	25	0	4.535	Pass
		1732.5	25	0	4.540	Pass
		1752.5	25	0	4.540	Pass
10	QPSK	1715	50	0	9.051	Pass
		1732.5	50	0	9.026	Pass
		1750	50	0	9.038	Pass
	16QAM	1715	50	0	9.022	Pass
		1732.5	50	0	9.048	Pass
		1750	50	0	9.056	Pass
	64QAM	1715	50	0	9.075	Pass
		1732.5	50	0	9.006	Pass
		1750	50	0	9.078	Pass
15	QPSK	1717.5	75	0	13.522	Pass
		1732.5	75	0	13.576	Pass
		1747.5	75	0	13.692	Pass
	16QAM	1717.5	75	0	13.536	Pass
		1732.5	75	0	13.644	Pass
		1747.5	75	0	13.921	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 / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



	64QAM	1717.5	75	0	13.590	Pass
		1732.5	75	0	13.533	Pass
		1747.5	75	0	13.640	Pass
20	QPSK	1720	100	0	18.039	Pass
		1732.5	100	0	18.109	Pass
		1745	100	0	18.088	Pass
	16QAM	1720	100	0	18.004	Pass
		1732.5	100	0	18.066	Pass
		1745	100	0	18.063	Pass
	64QAM	1720	100	0	18.103	Pass
		1732.5	100	0	18.071	Pass
		1745	100	0	18.124	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.

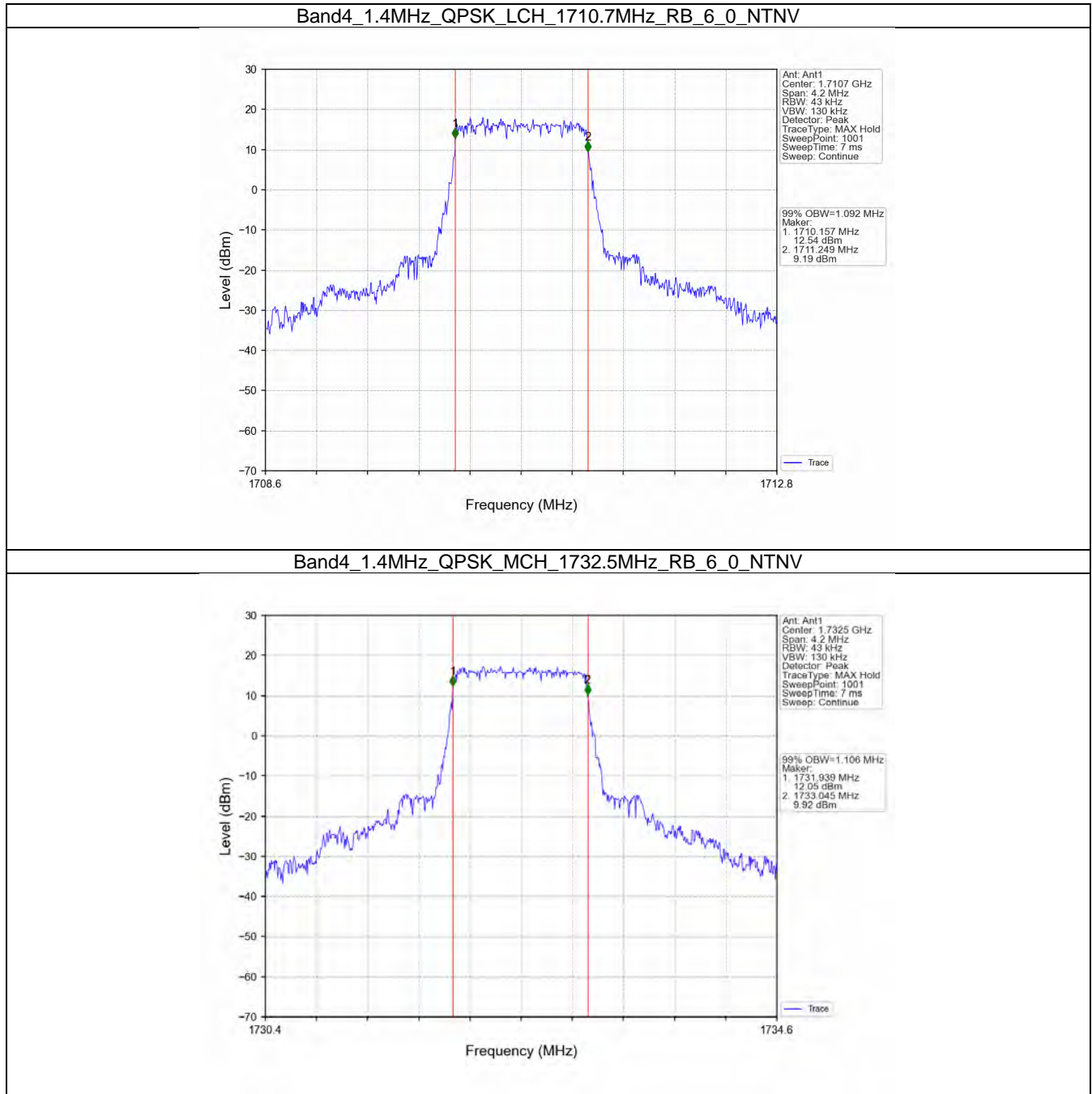
**Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



4.1.2 Test Graph



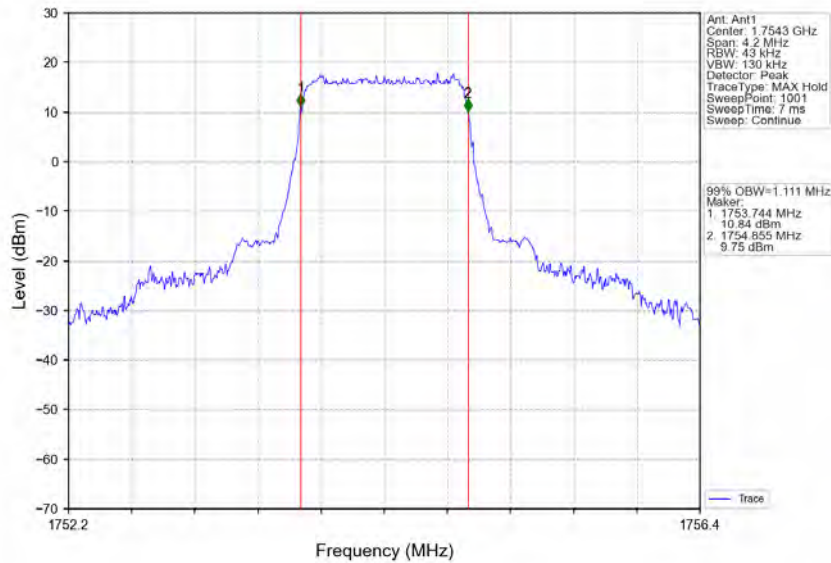
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

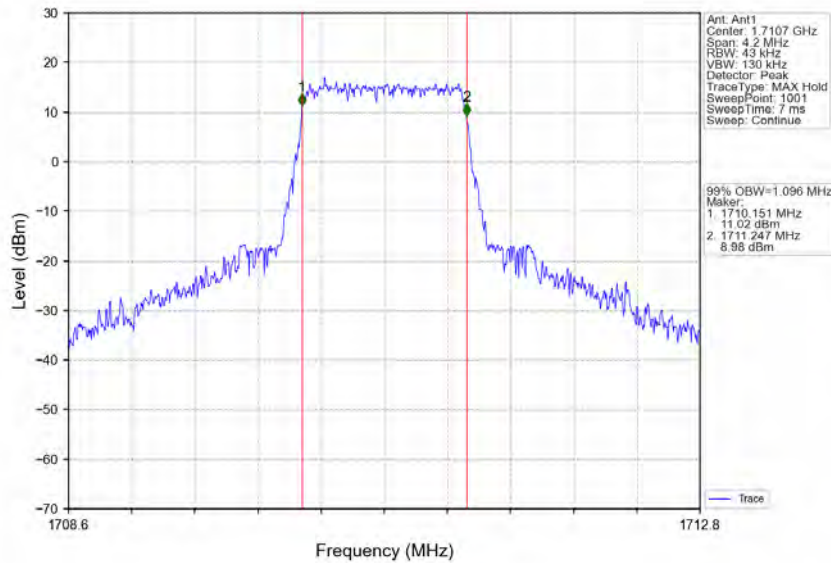
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
t(86-512)57355888 f(86-512)57370818 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



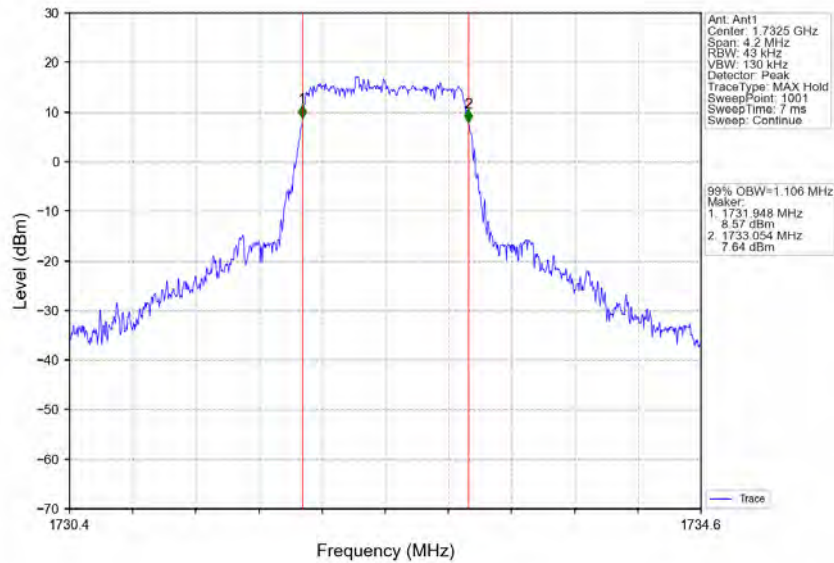
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

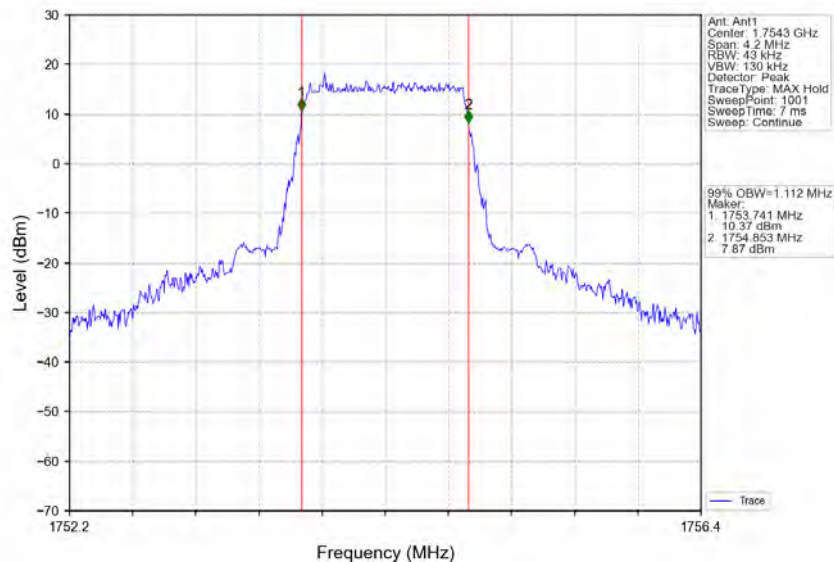
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 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



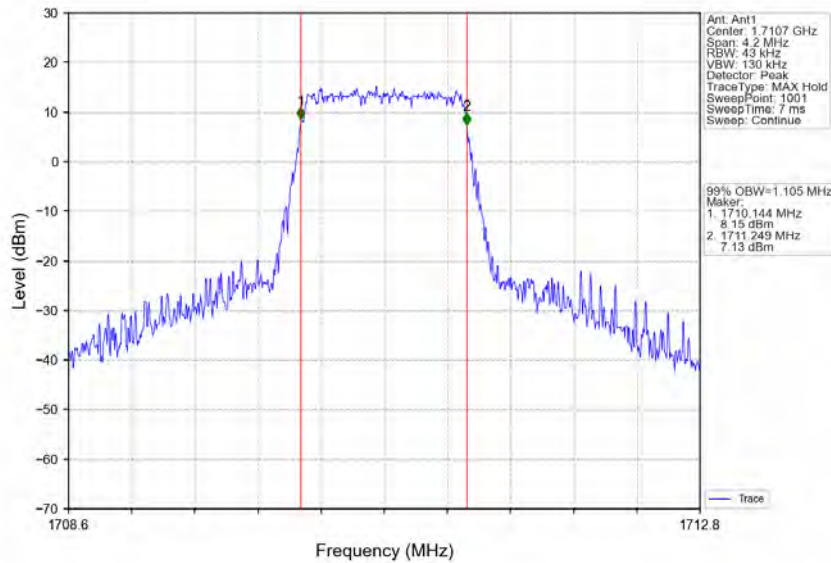
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

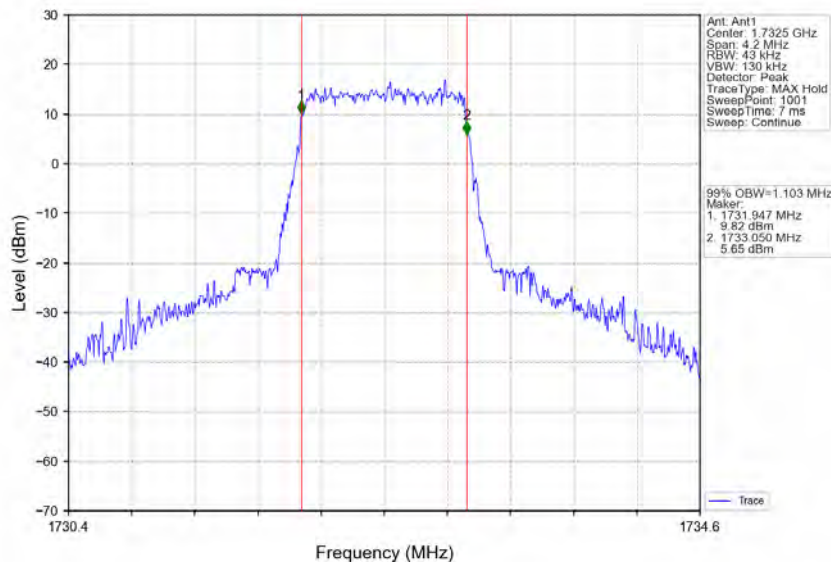
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 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



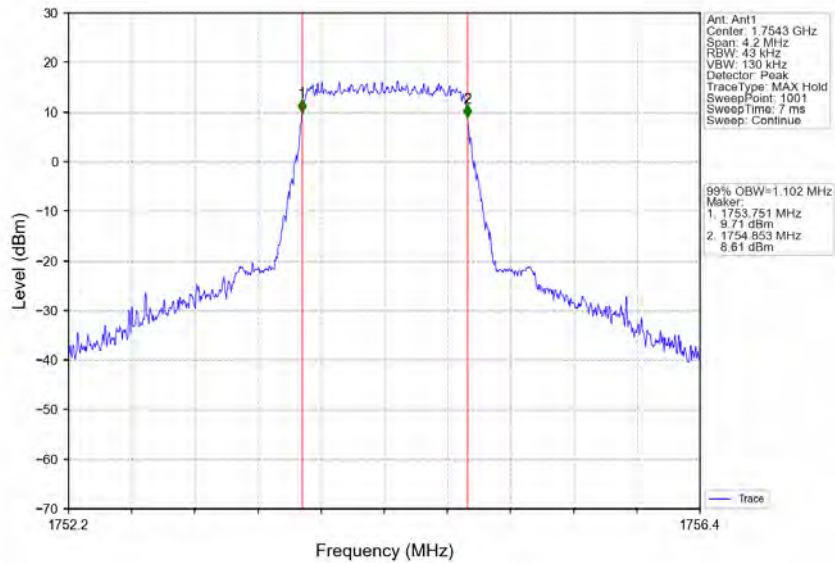
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

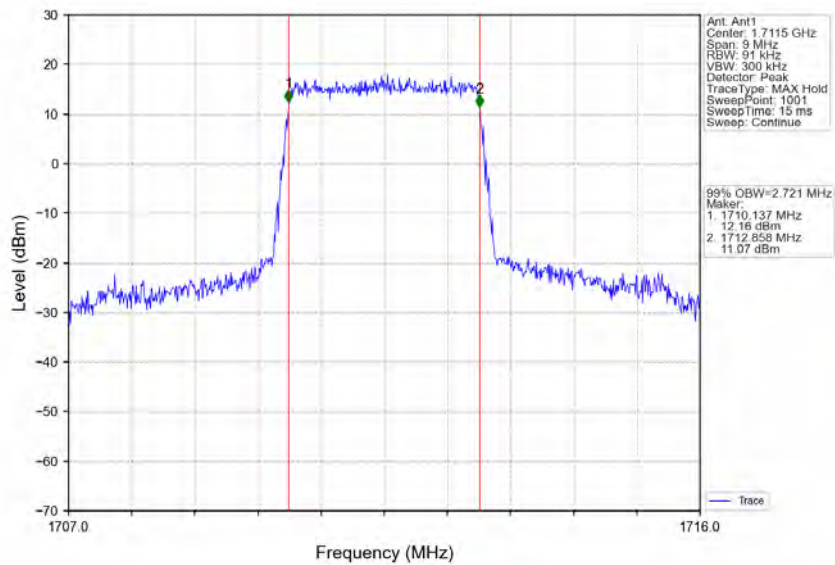
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_1.4MHz\_64QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



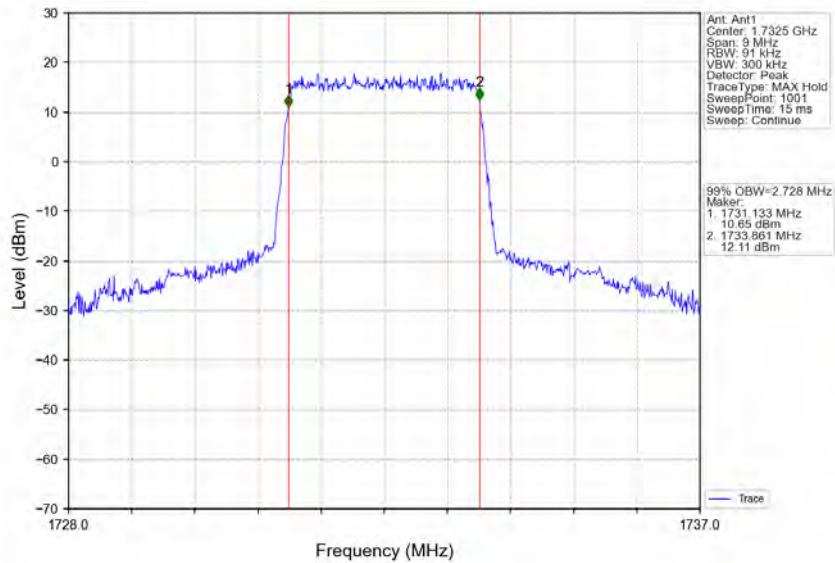
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

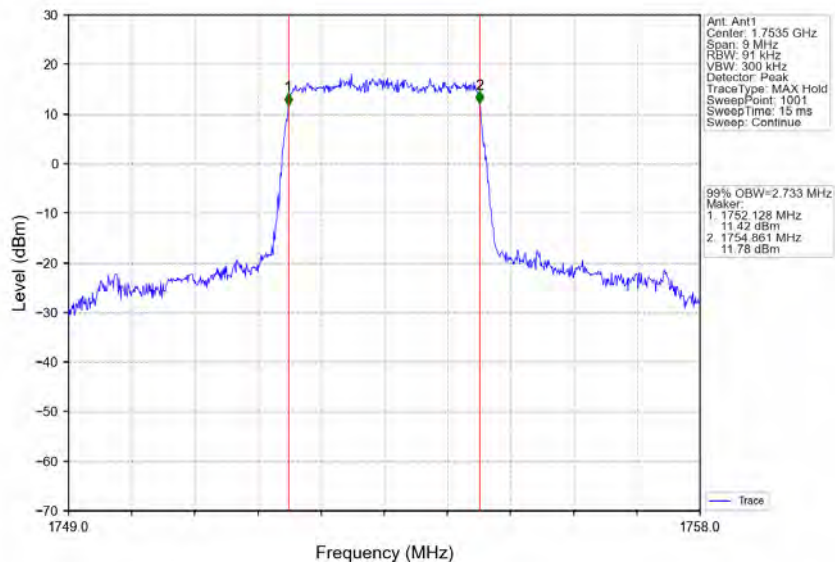
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_QPSK\_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.

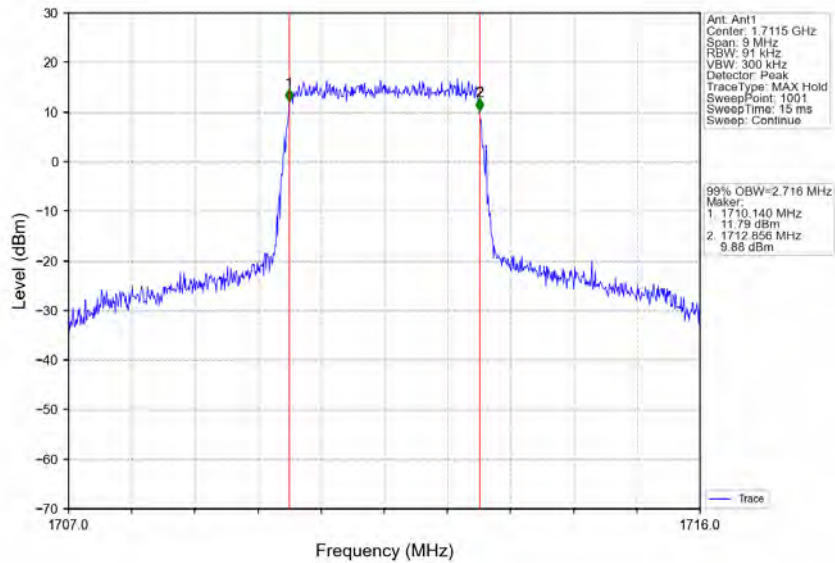
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

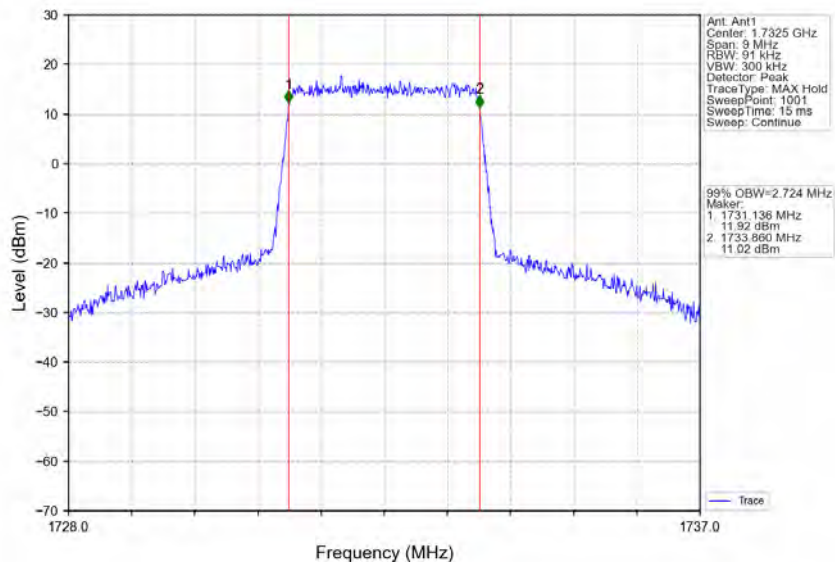
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



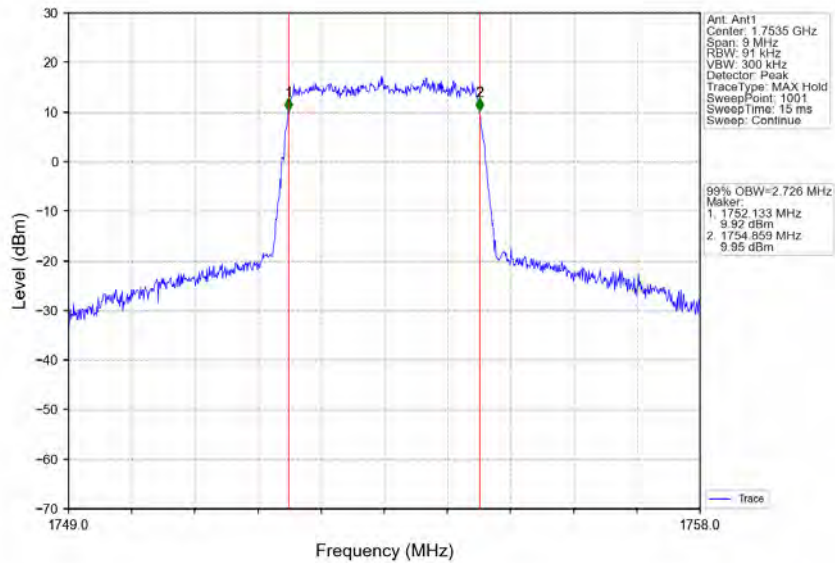
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

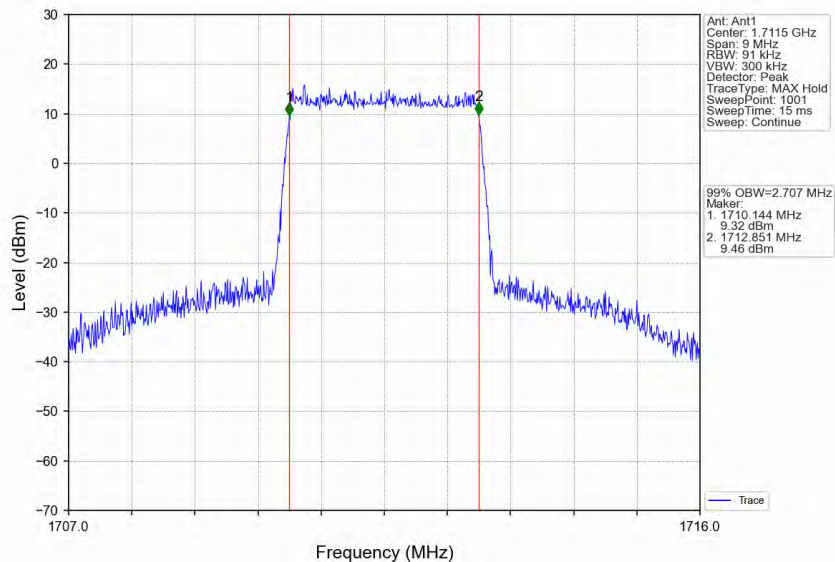
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_64QAM\_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.

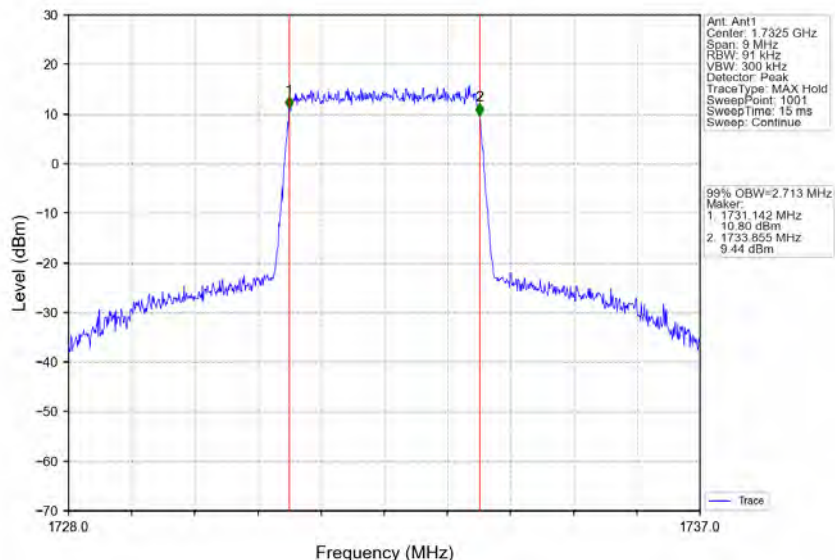
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

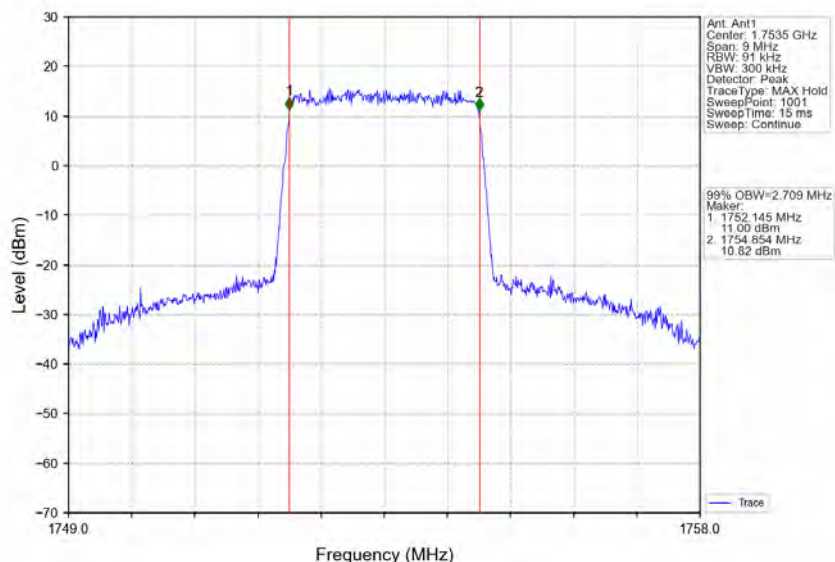
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

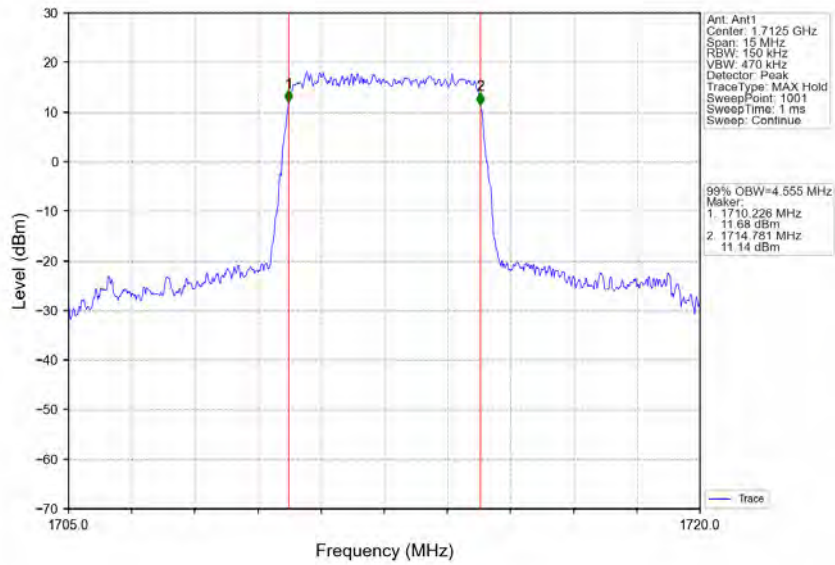


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

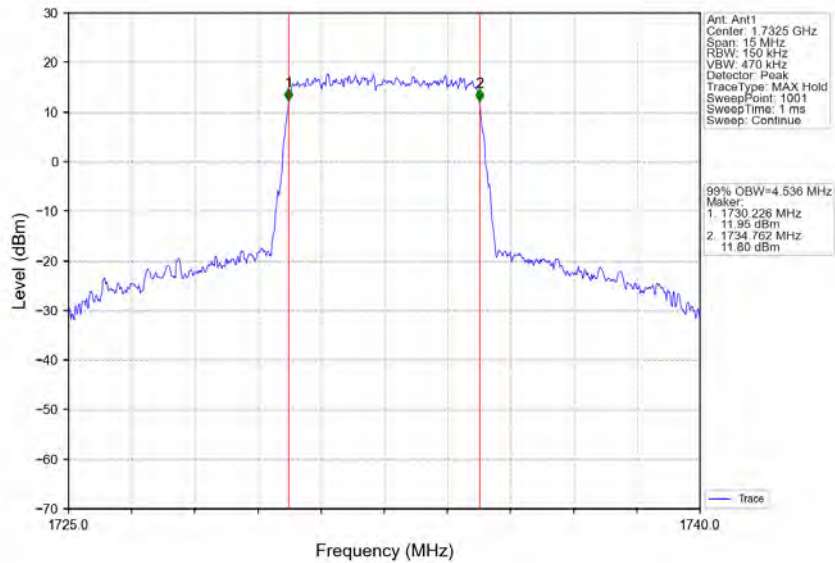
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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  
 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



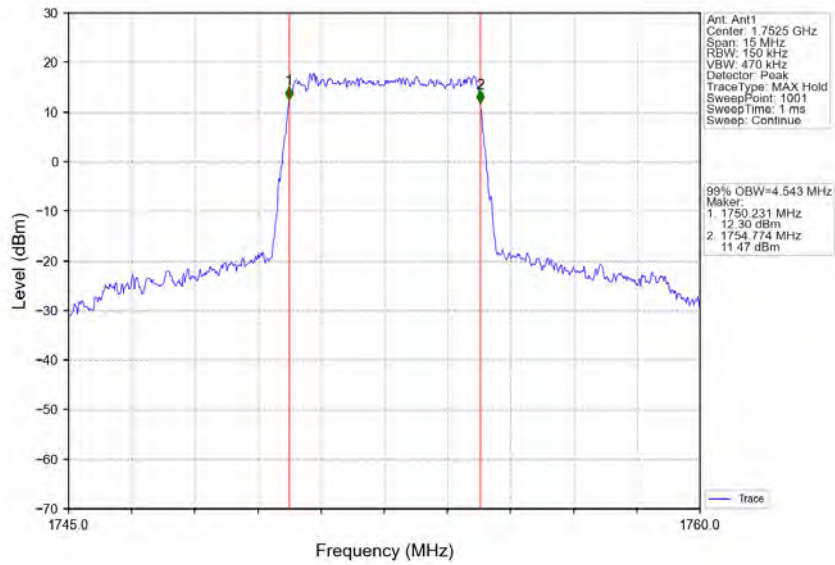
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

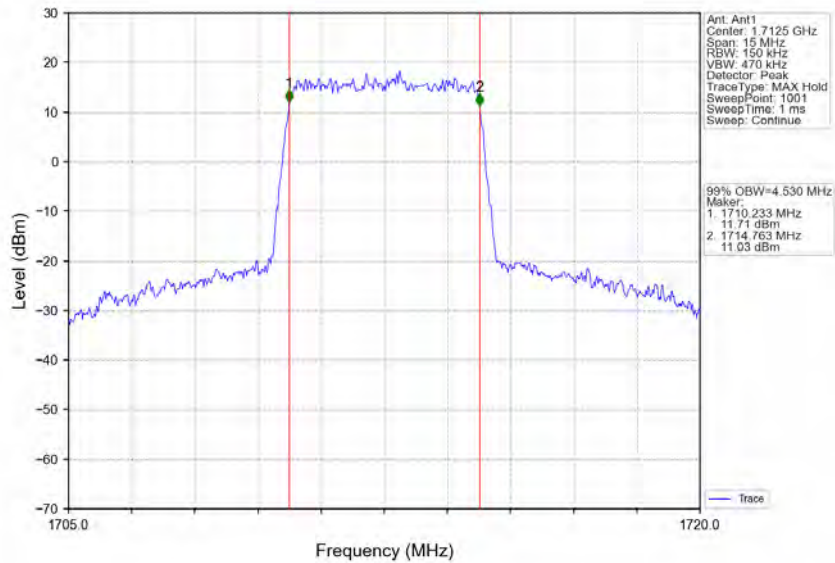
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



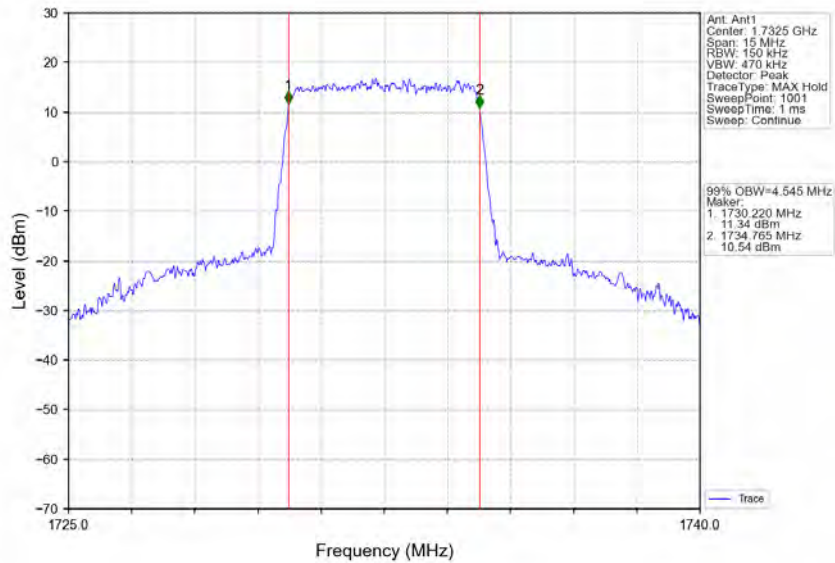
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

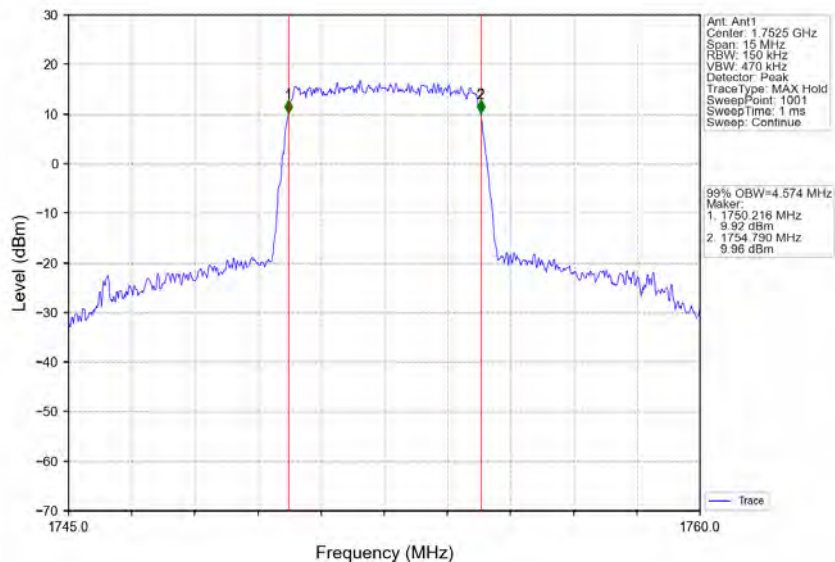
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



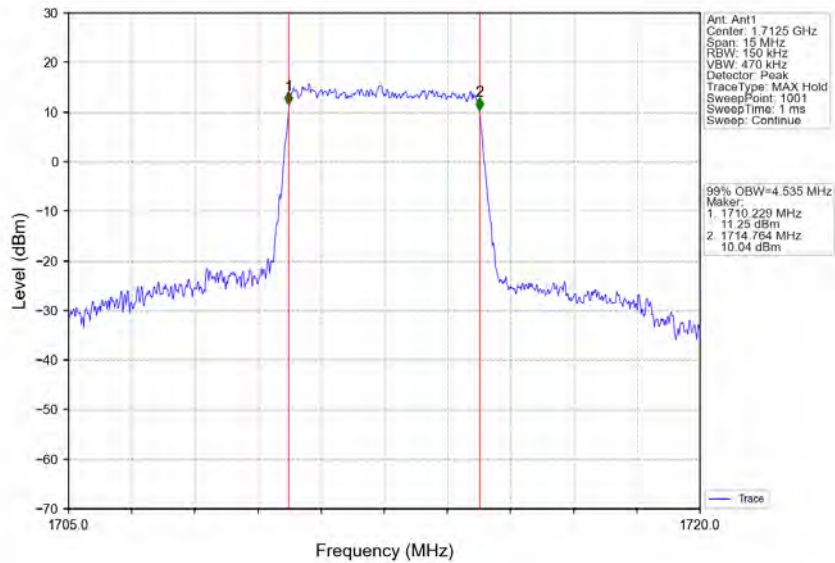
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

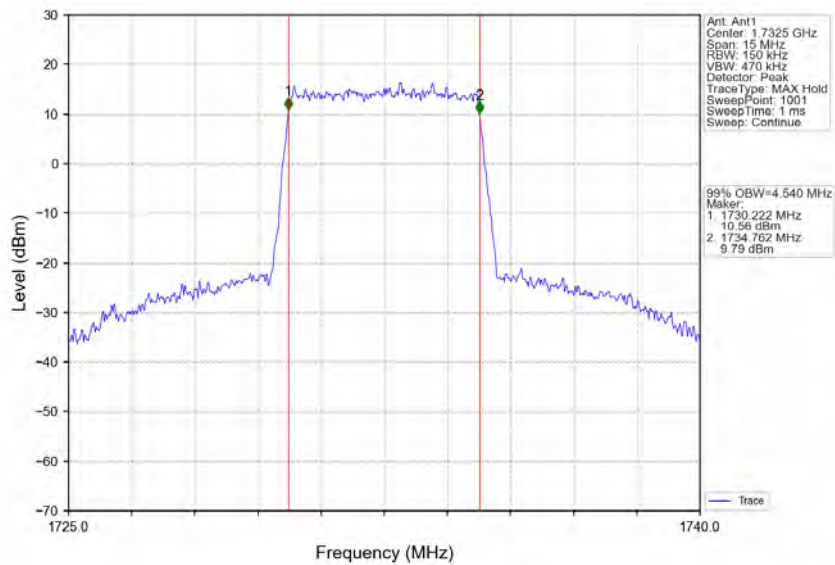
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



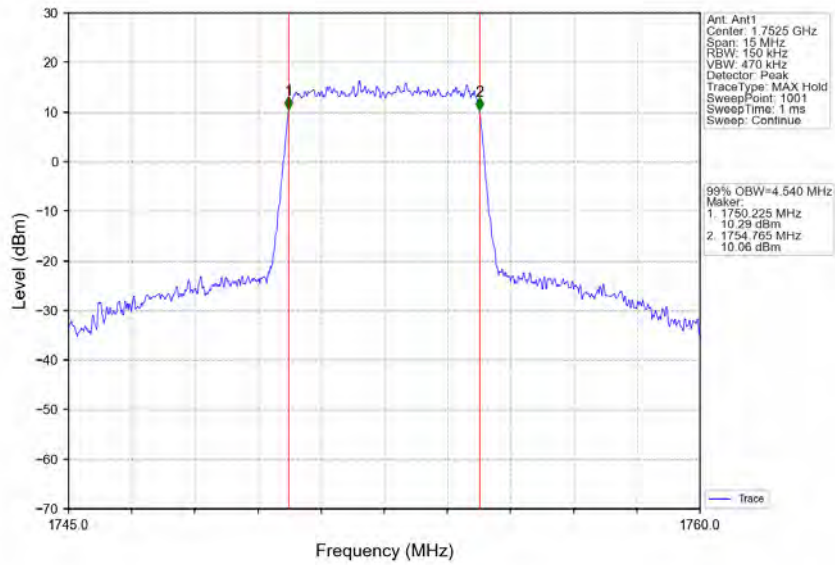
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

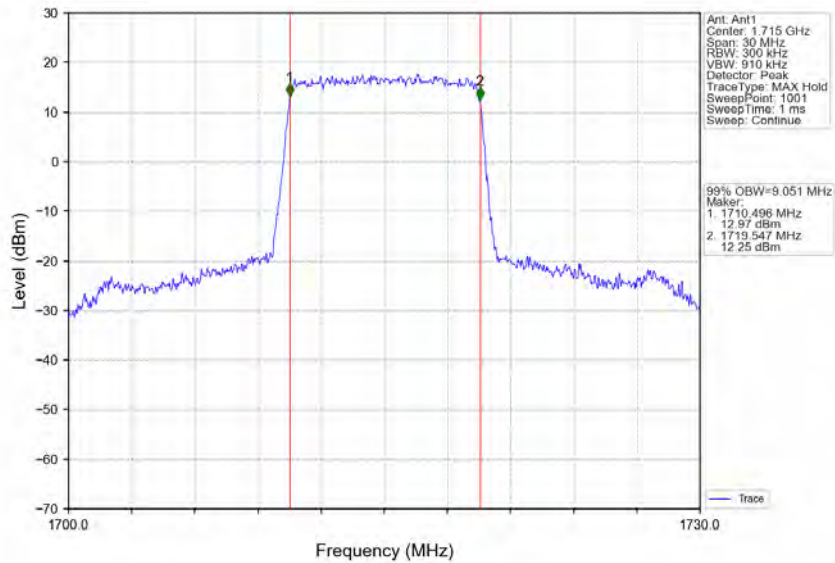
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



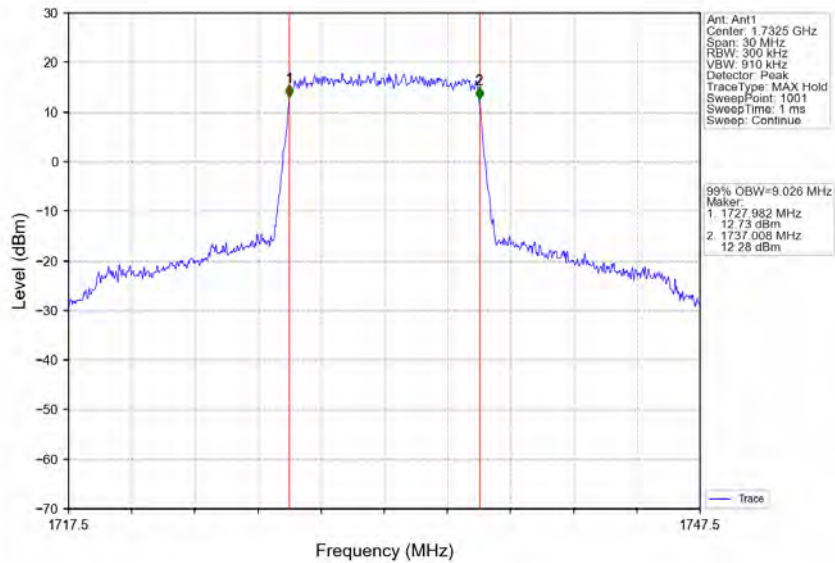
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

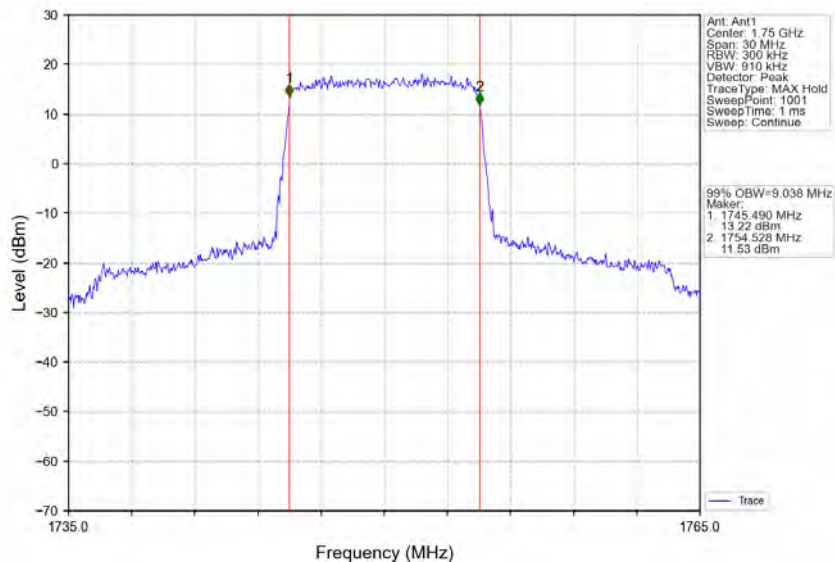
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



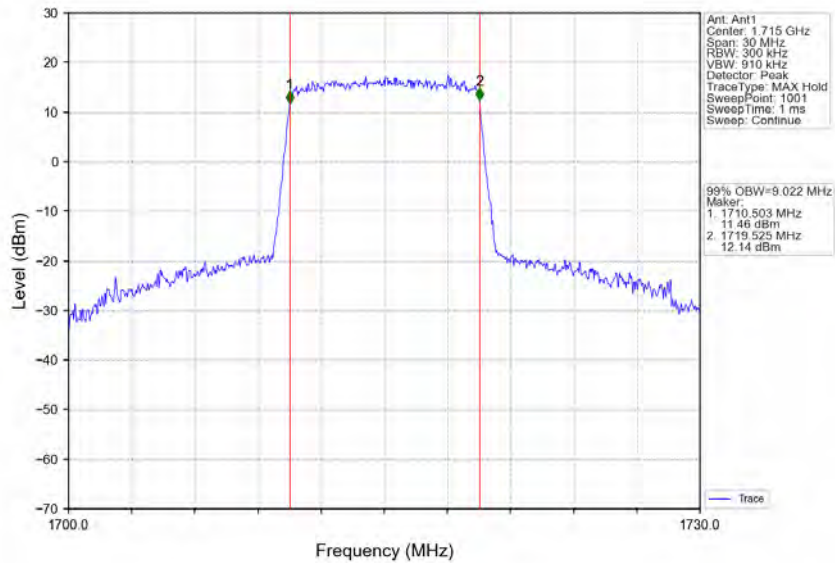
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

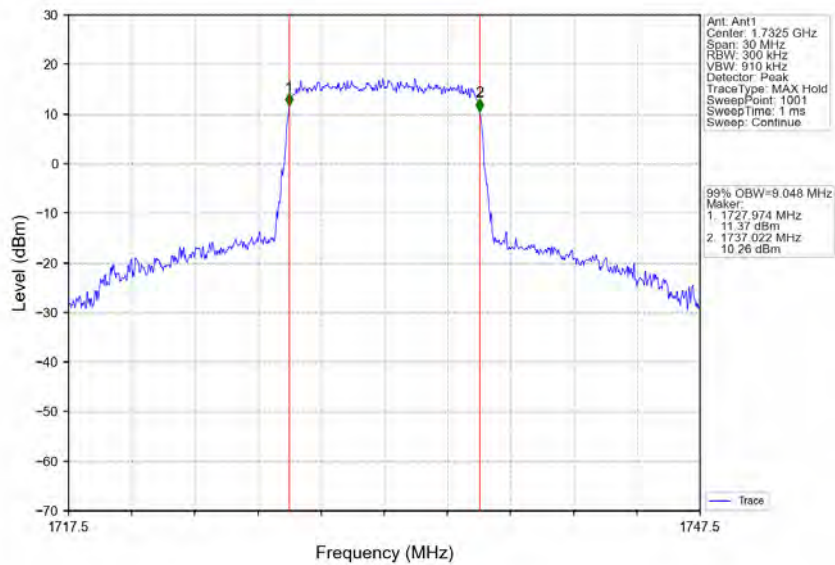
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_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 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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.

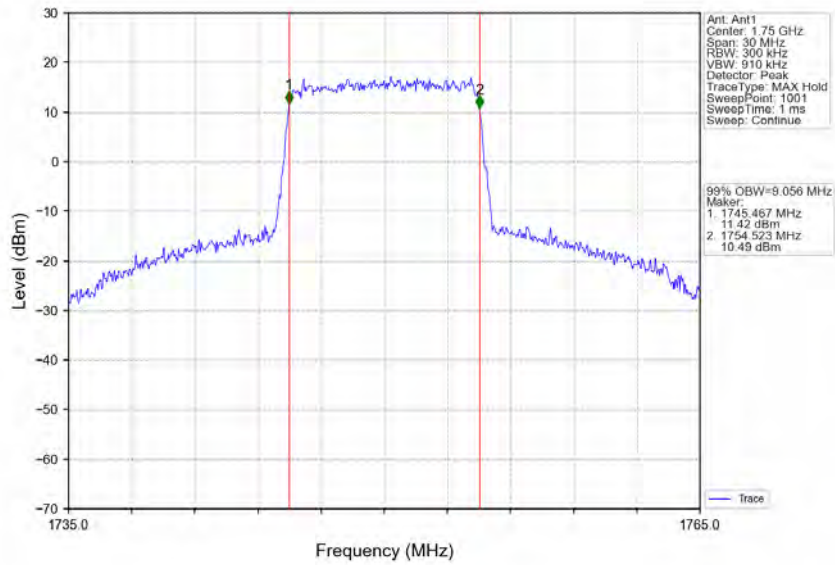
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

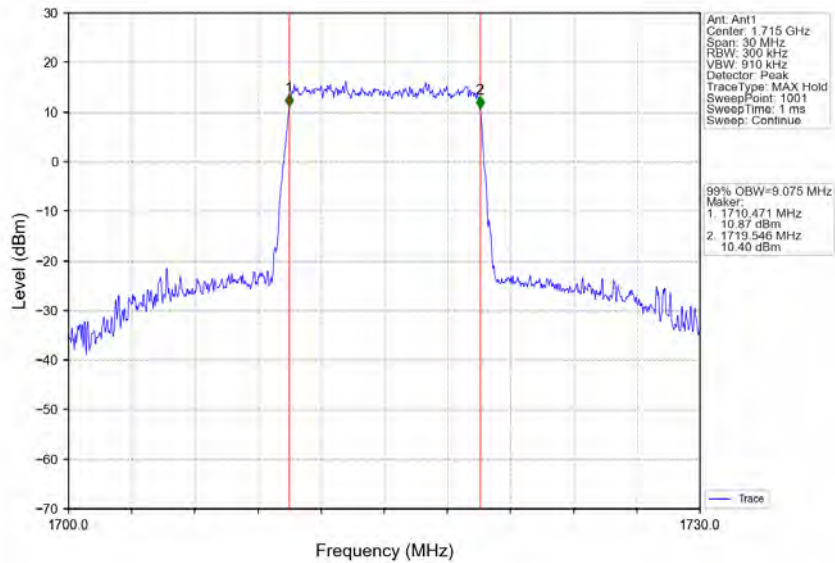
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



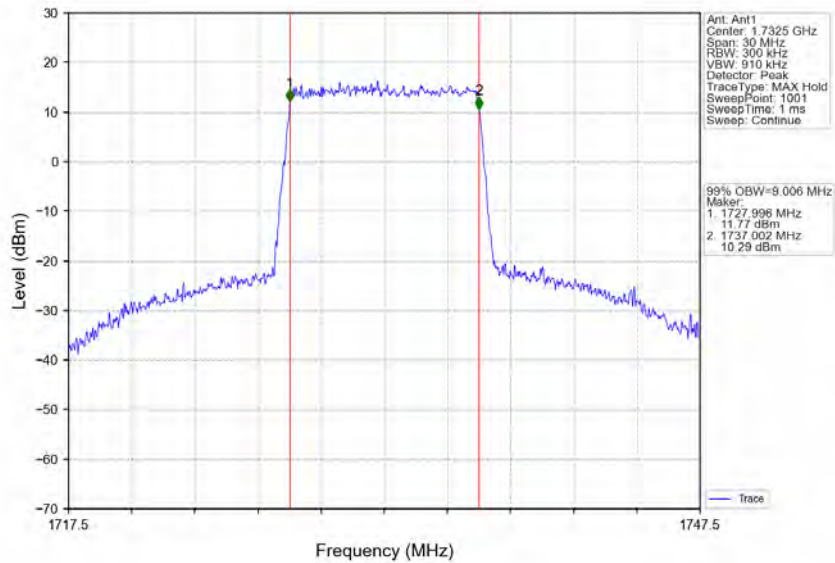
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

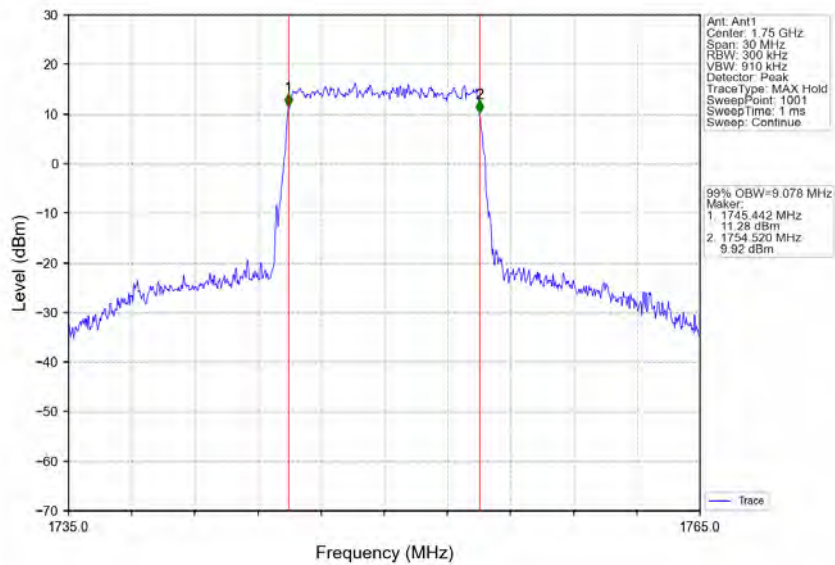
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



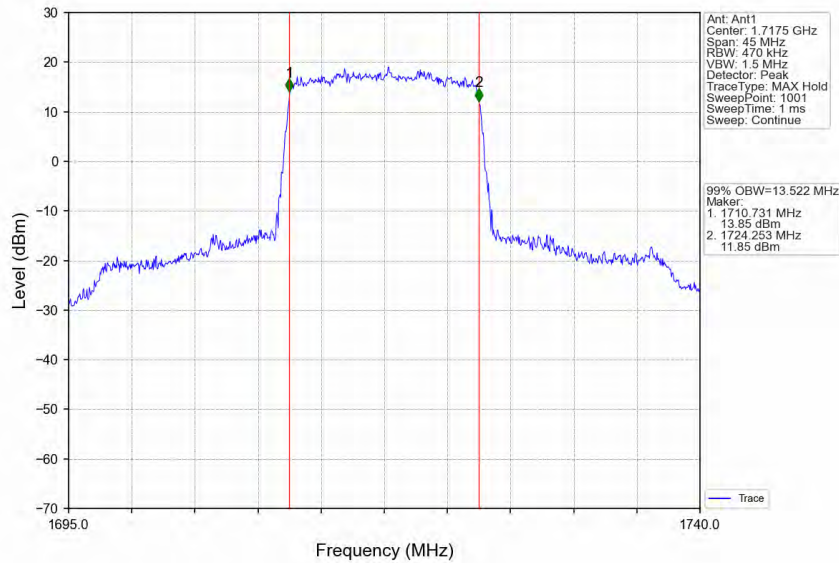
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

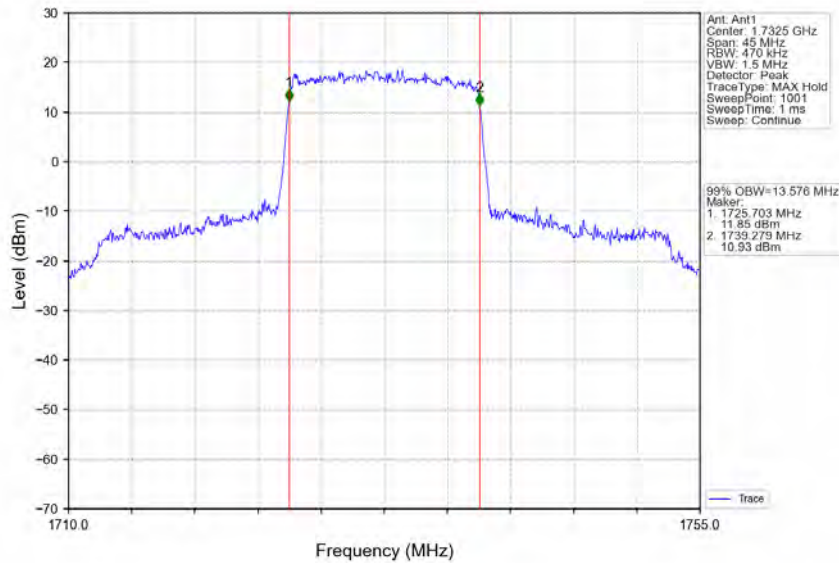
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



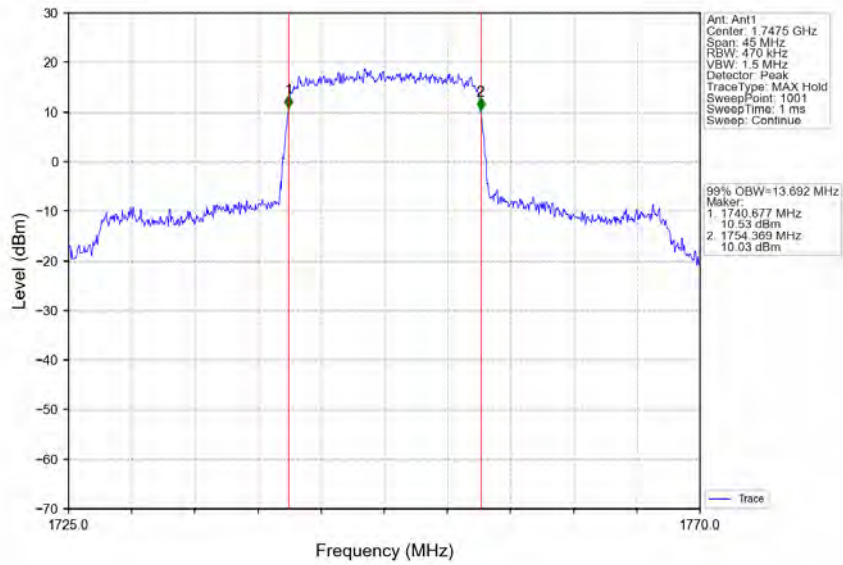
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

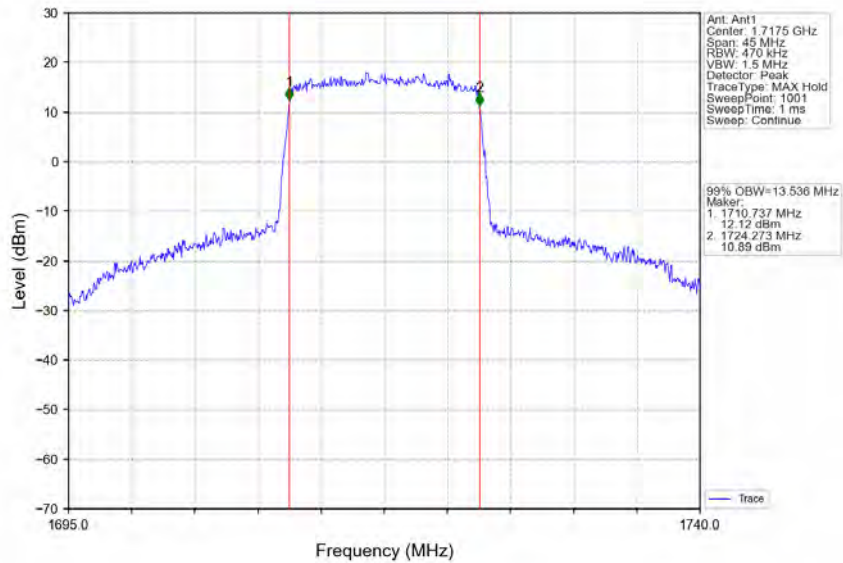
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



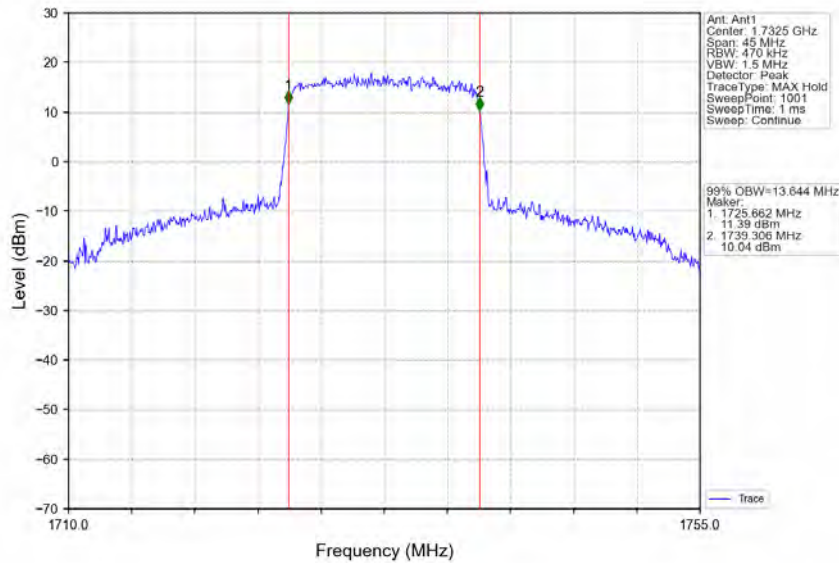
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



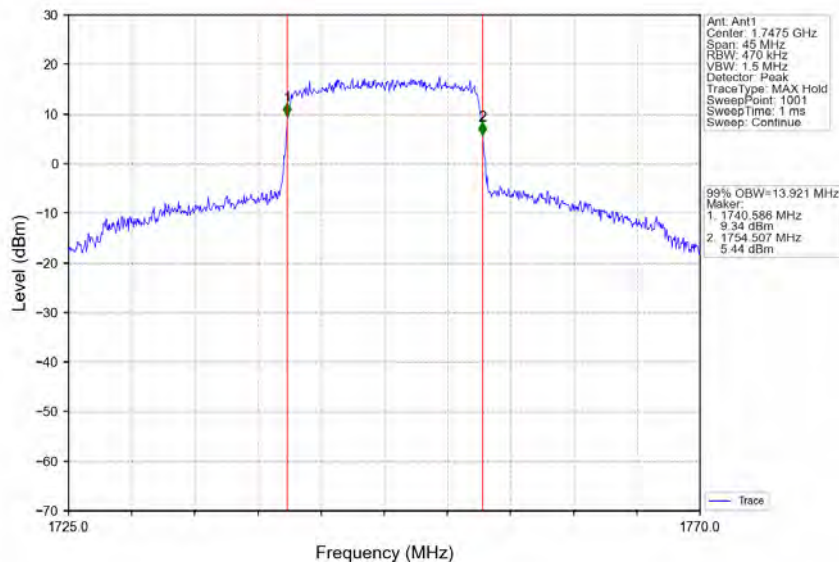
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**  
 No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300    t(86-512)57355888    f(86-512)57370818    www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300    t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



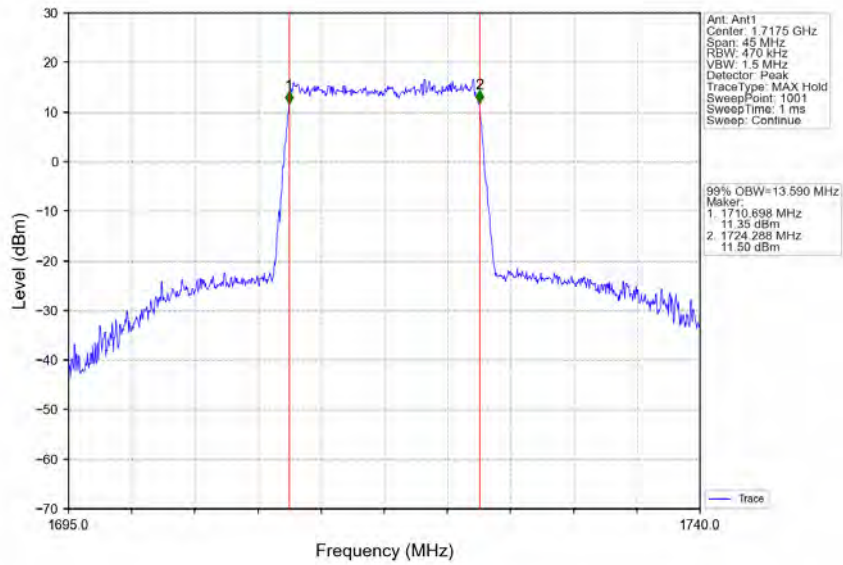
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

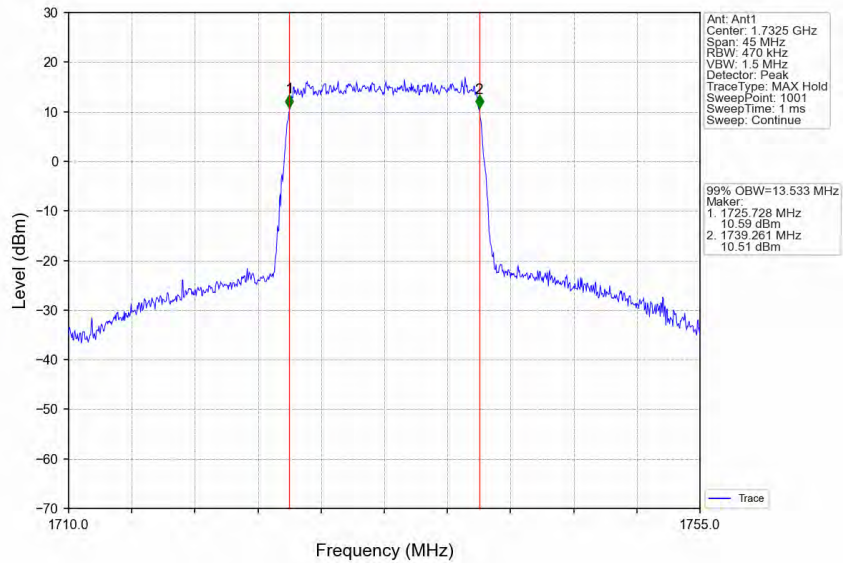
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



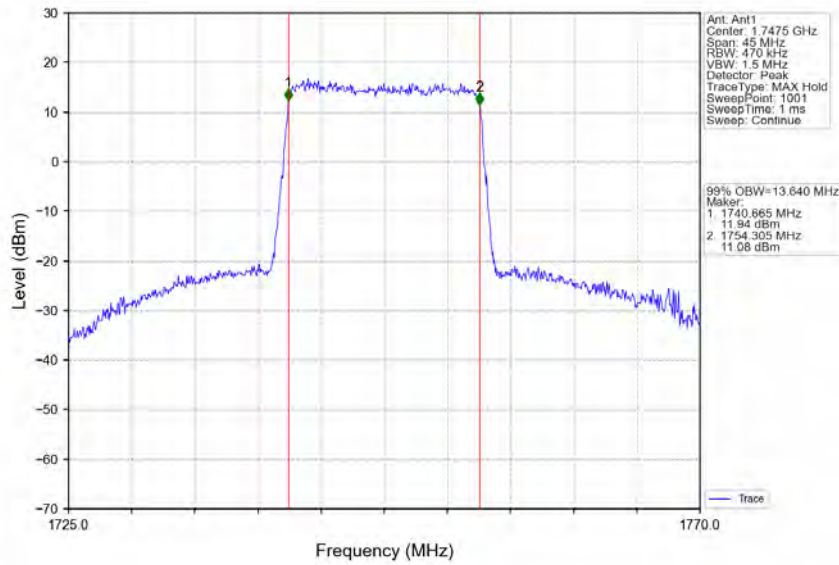
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

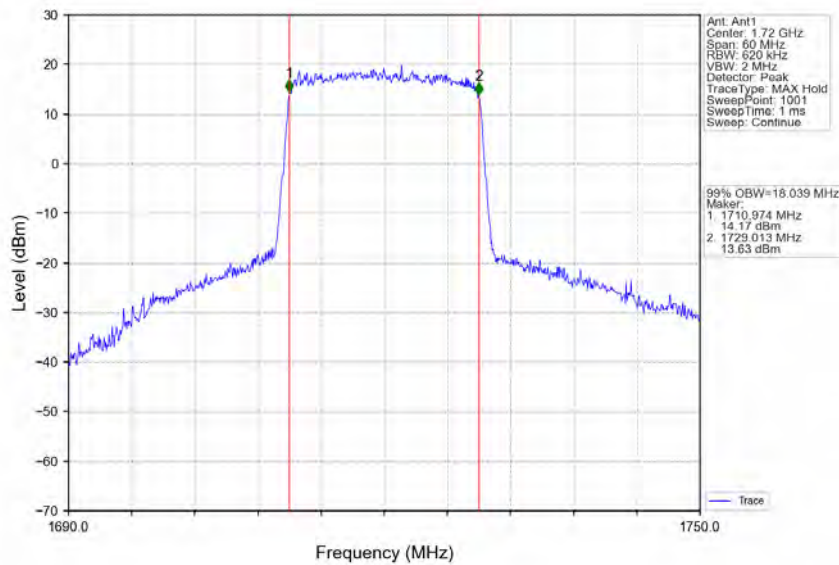
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



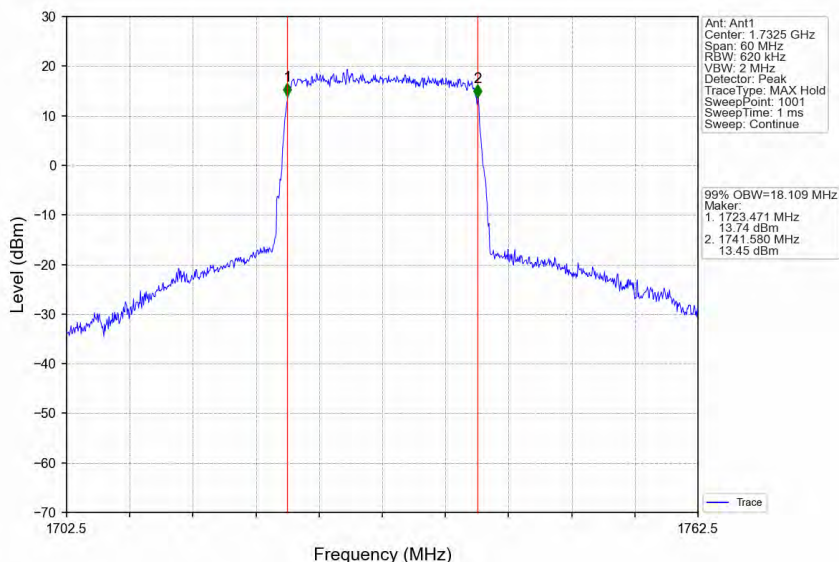
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

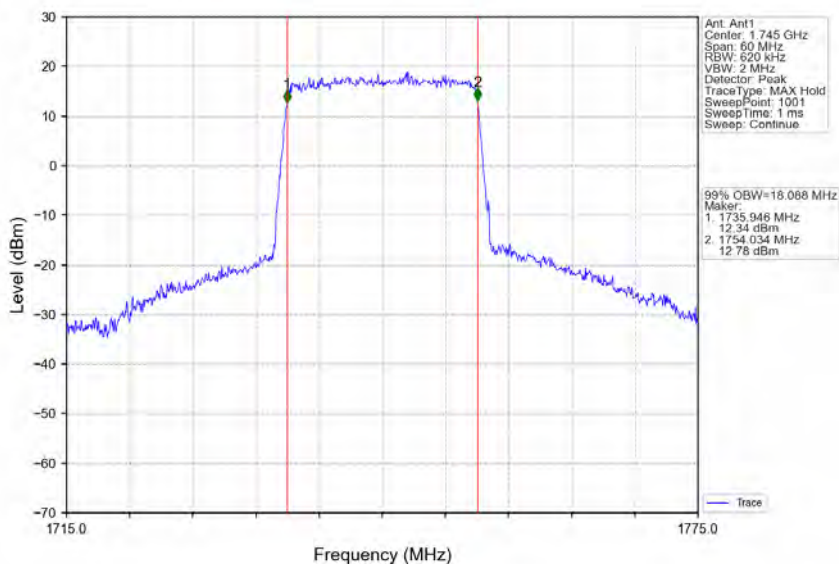
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_QPSK\_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-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.

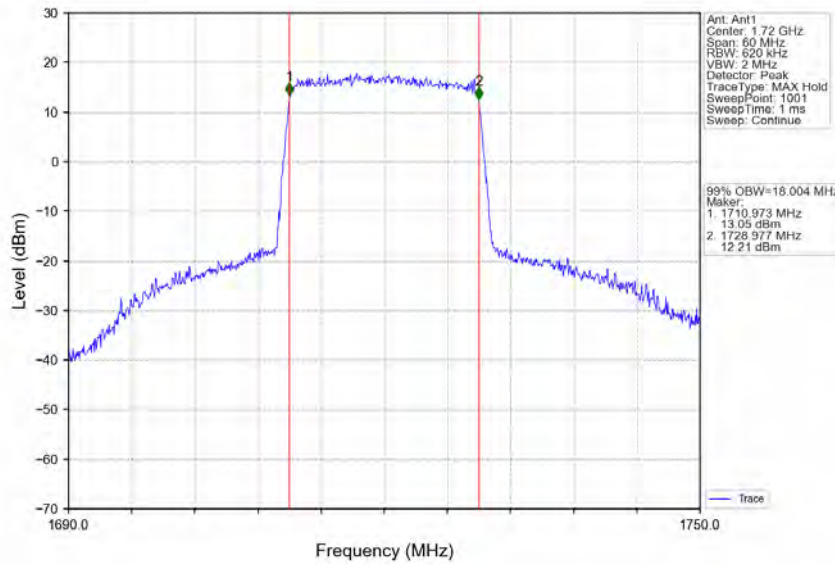
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

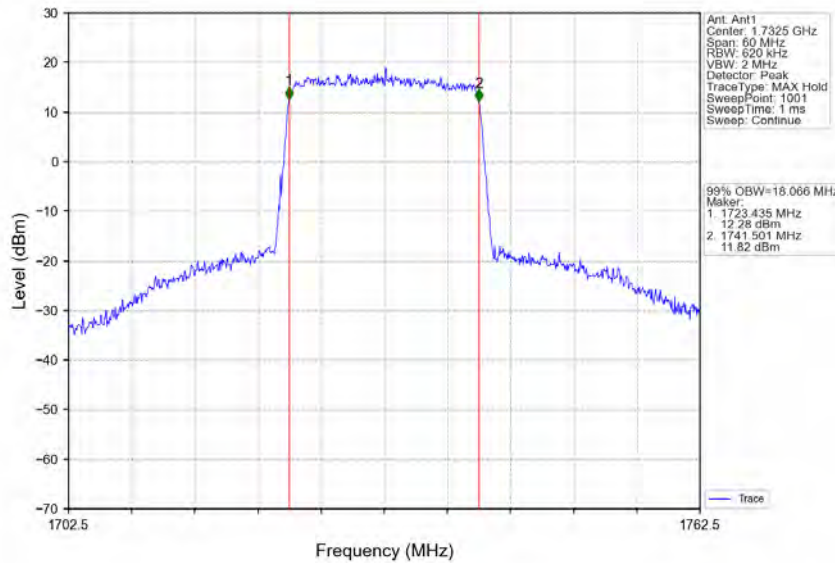
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



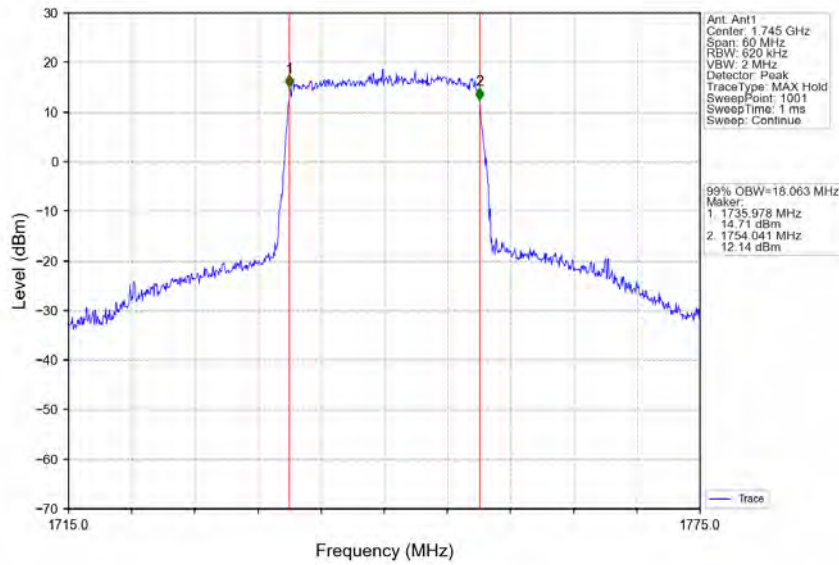
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

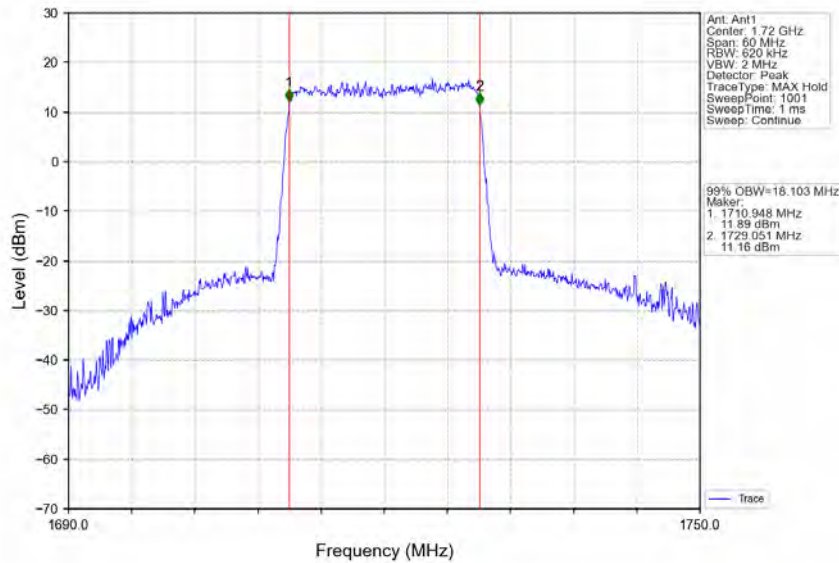
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



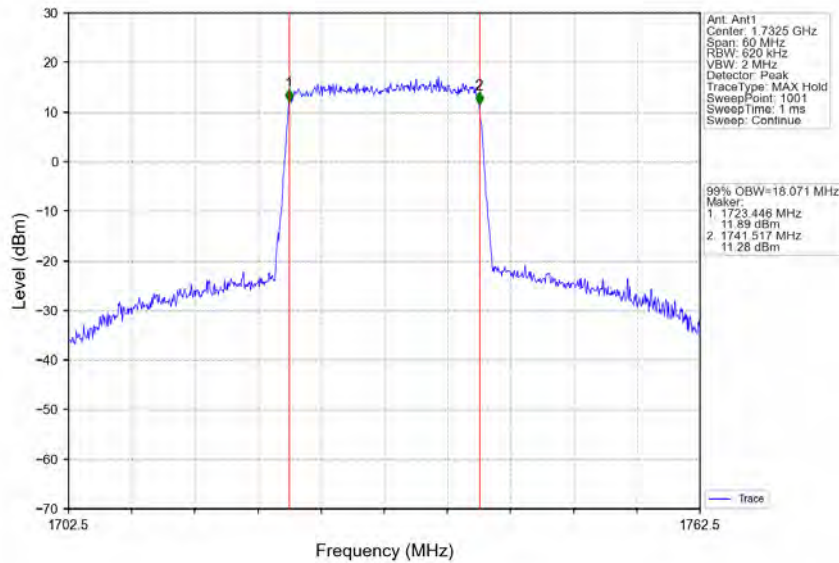
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

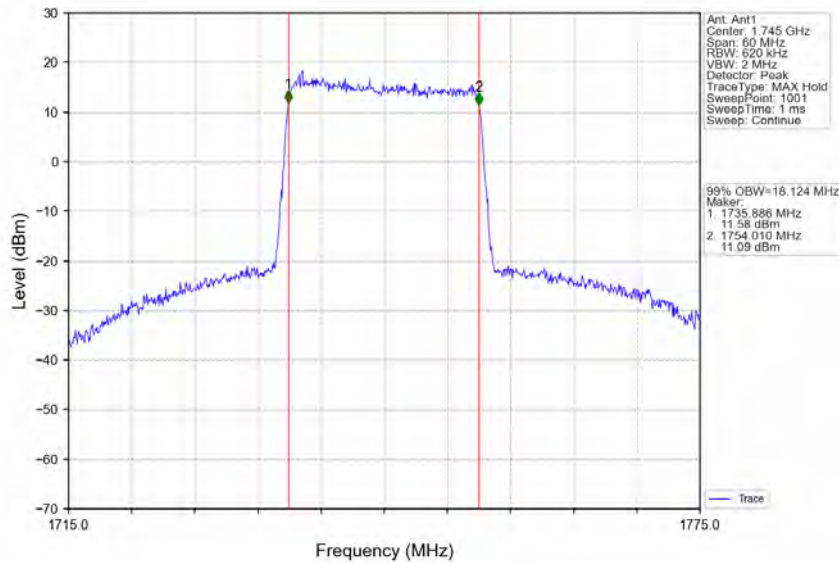
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_64QAM\_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-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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

4.2 Band4\_XDB

4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.294	Pass
		1732.5	6	0	1.315	Pass
		1754.3	6	0	1.312	Pass
	16QAM	1710.7	6	0	1.286	Pass
		1732.5	6	0	1.332	Pass
		1754.3	6	0	1.329	Pass
	64QAM	1710.7	6	0	1.315	Pass
		1732.5	6	0	1.280	Pass
		1754.3	6	0	1.304	Pass
3	QPSK	1711.5	15	0	3.024	Pass
		1732.5	15	0	3.018	Pass
		1753.5	15	0	3.026	Pass
	16QAM	1711.5	15	0	3.004	Pass
		1732.5	15	0	3.025	Pass
		1753.5	15	0	3.030	Pass
	64QAM	1711.5	15	0	2.968	Pass
		1732.5	15	0	2.959	Pass
		1753.5	15	0	2.972	Pass
5	QPSK	1712.5	25	0	5.066	Pass
		1732.5	25	0	5.092	Pass
		1752.5	25	0	5.092	Pass
	16QAM	1712.5	25	0	5.008	Pass
		1732.5	25	0	5.059	Pass
		1752.5	25	0	5.110	Pass
	64QAM	1712.5	25	0	5.012	Pass
		1732.5	25	0	5.011	Pass
		1752.5	25	0	4.997	Pass
10	QPSK	1715	50	0	10.008	Pass
		1732.5	50	0	10.057	Pass
		1750	50	0	10.042	Pass
	16QAM	1715	50	0	10.060	Pass
		1732.5	50	0	10.012	Pass
		1750	50	0	10.068	Pass
	64QAM	1715	50	0	9.898	Pass
		1732.5	50	0	9.908	Pass
		1750	50	0	10.079	Pass
15	QPSK	1717.5	75	0	14.918	Pass
		1732.5	75	0	14.964	Pass
		1747.5	75	0	18.091	Pass
	16QAM	1717.5	75	0	14.870	Pass
		1732.5	75	0	22.079	Pass
		1747.5	75	0	30.348	Pass
	64QAM	1717.5	75	0	14.849	Pass
		1732.5	75	0	14.885	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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

		1747.5	75	0	14.908	Pass
20	QPSK	1720	100	0	19.642	Pass
		1732.5	100	0	19.937	Pass
		1745	100	0	19.838	Pass
		1720	100	0	19.758	Pass
	16QAM	1732.5	100	0	19.718	Pass
		1745	100	0	19.751	Pass
		1720	100	0	19.783	Pass
	64QAM	1732.5	100	0	19.550	Pass
		1745	100	0	19.673	Pass
		1720	100	0	19.673	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.

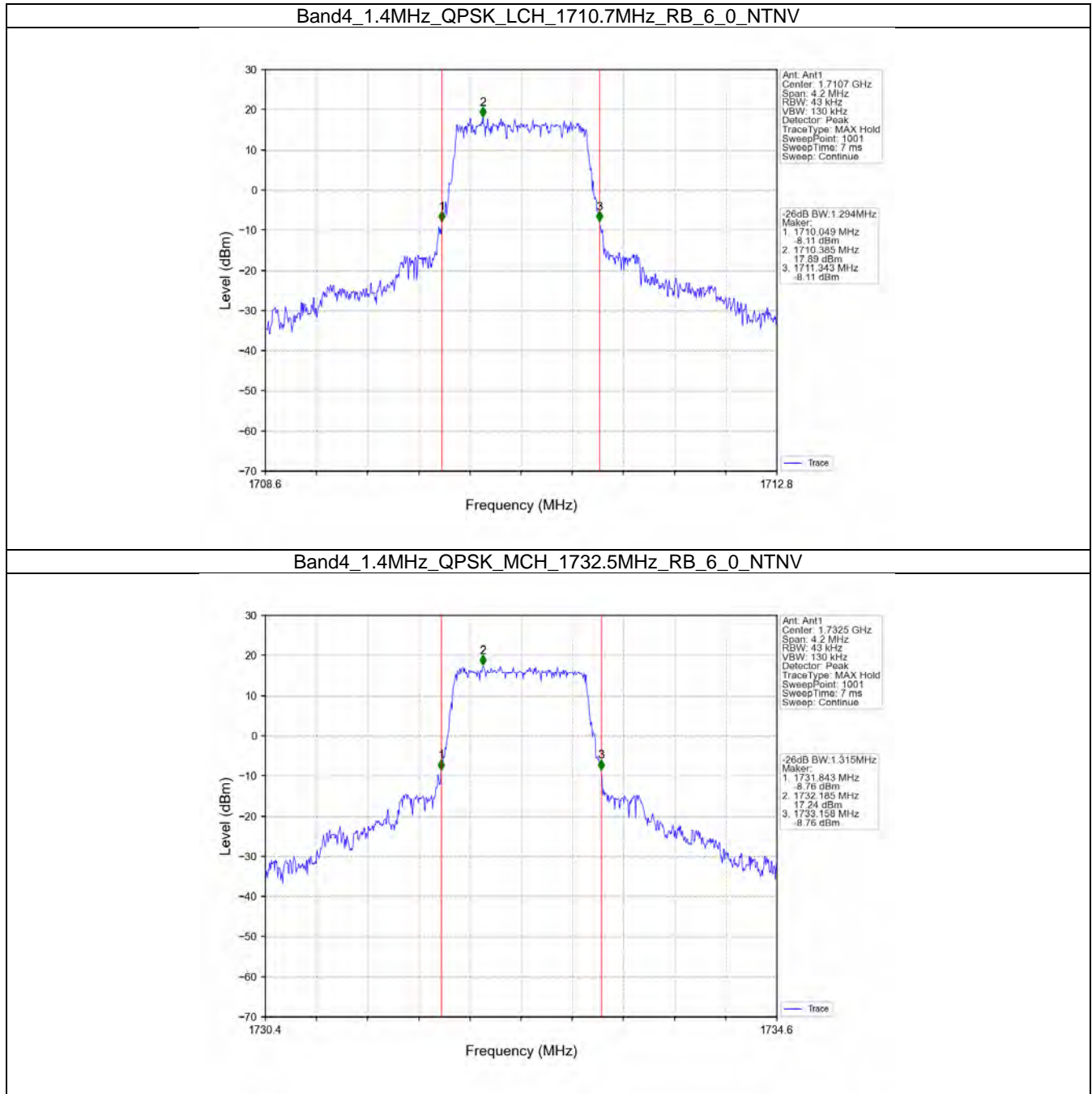
**Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**



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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

4.2.2 Test Graph



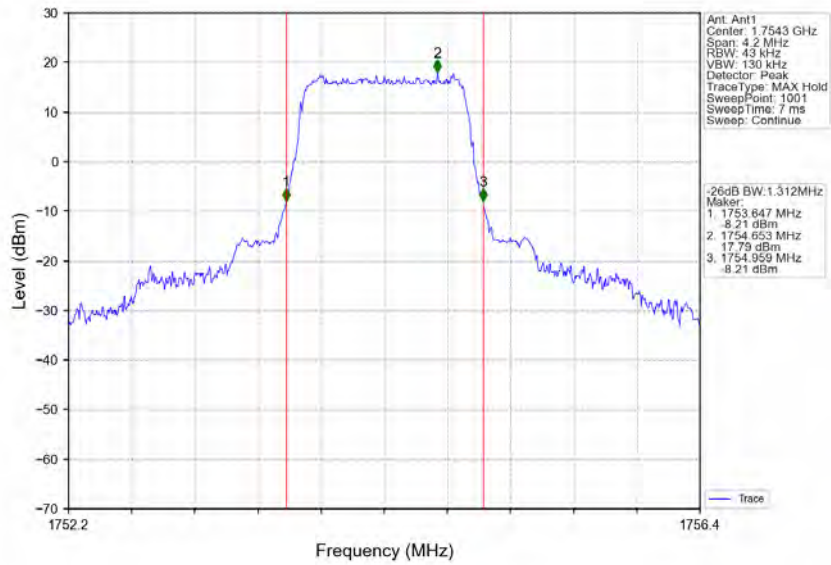
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

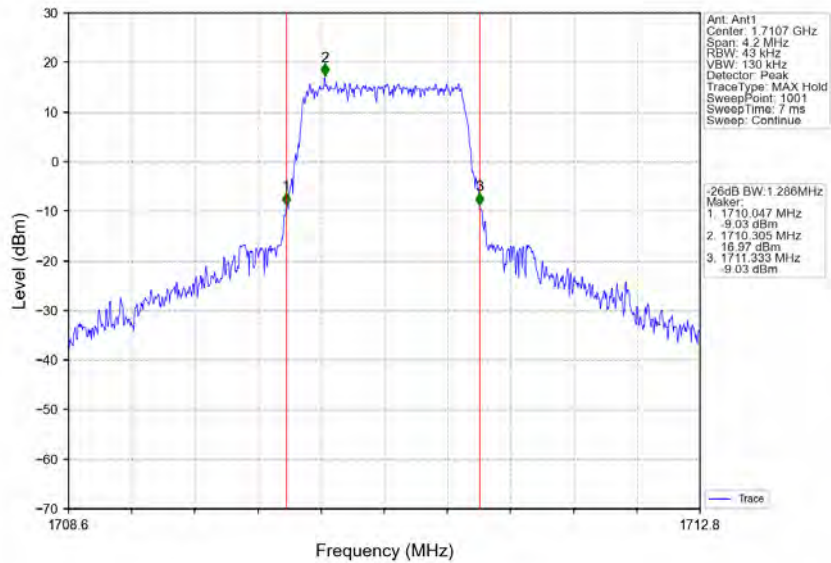
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 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 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

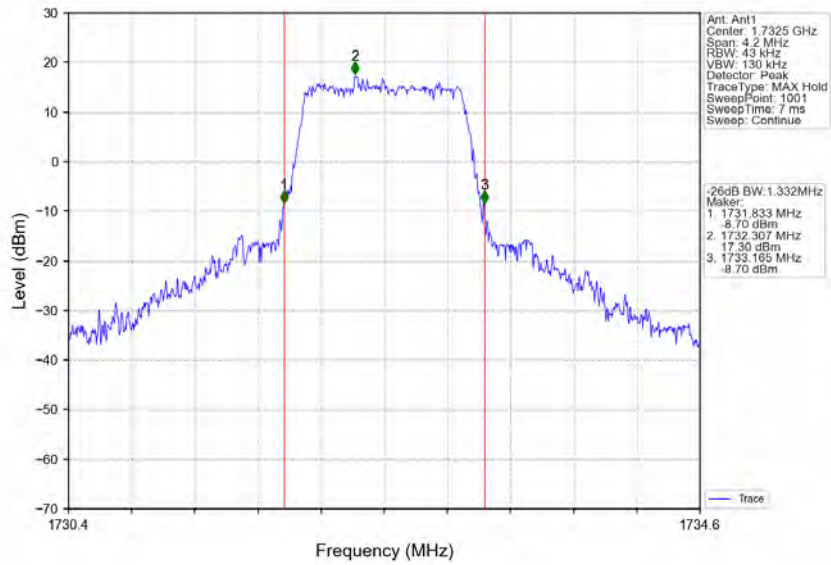
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

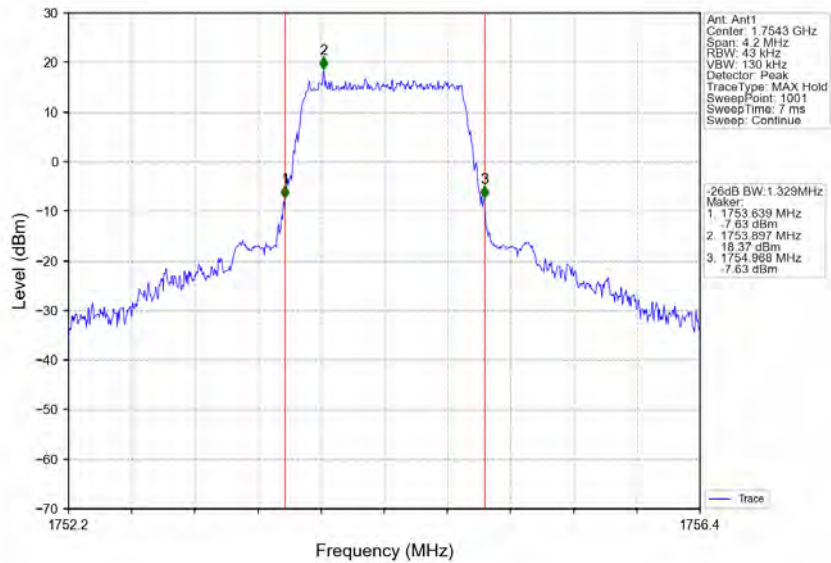
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 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 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

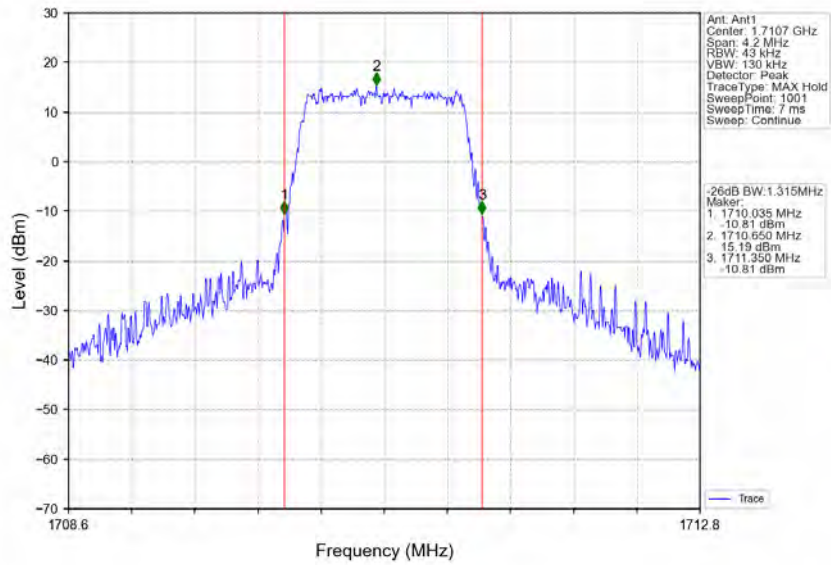
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn

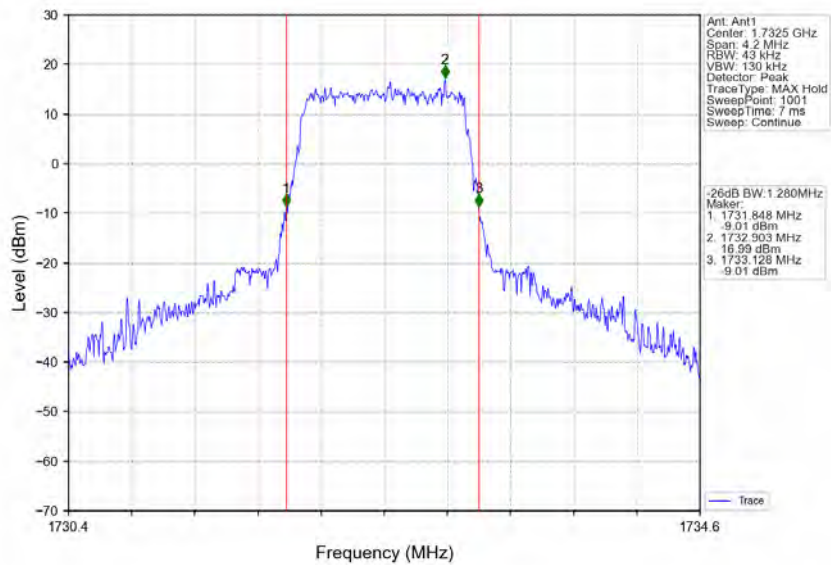
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_1.4MHz\_64QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_64QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



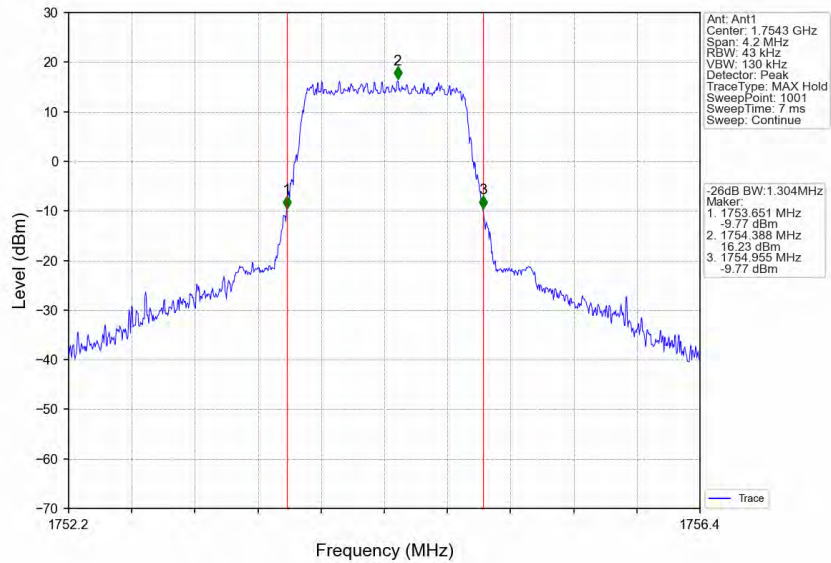
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

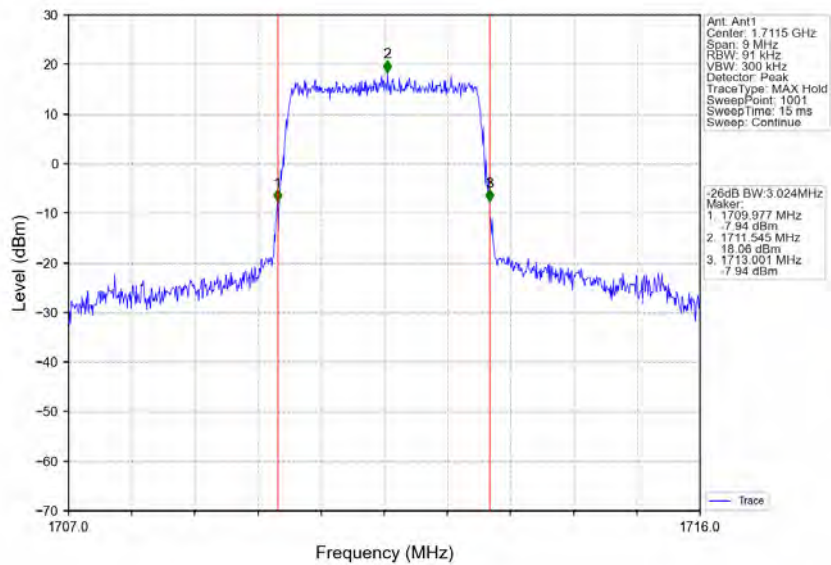
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_1.4MHz\_64QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



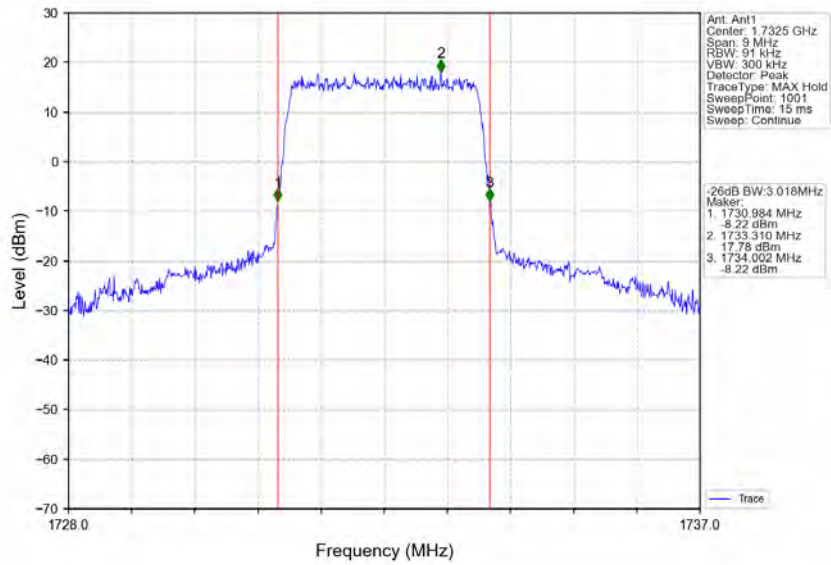
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

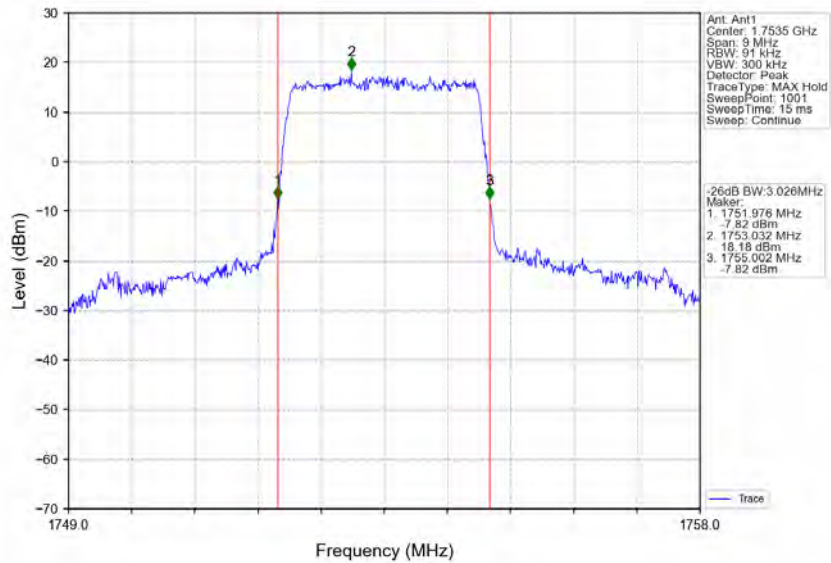
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



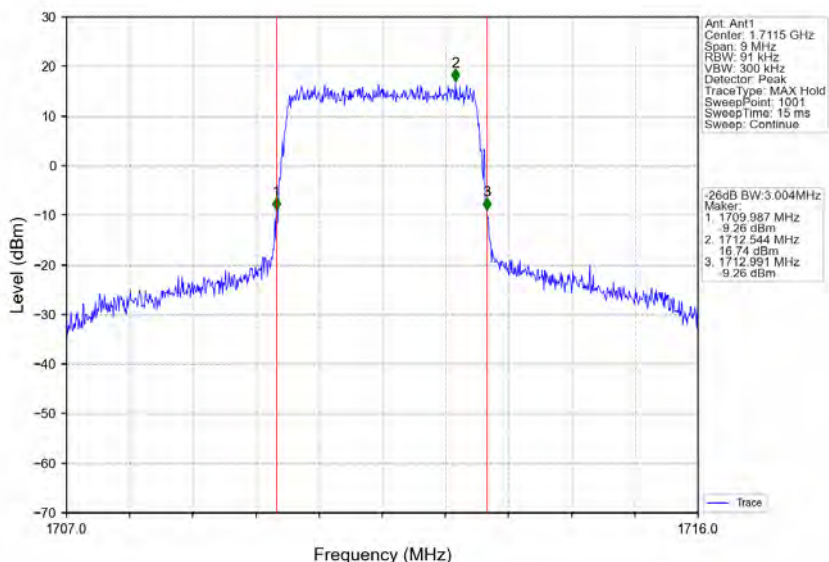
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

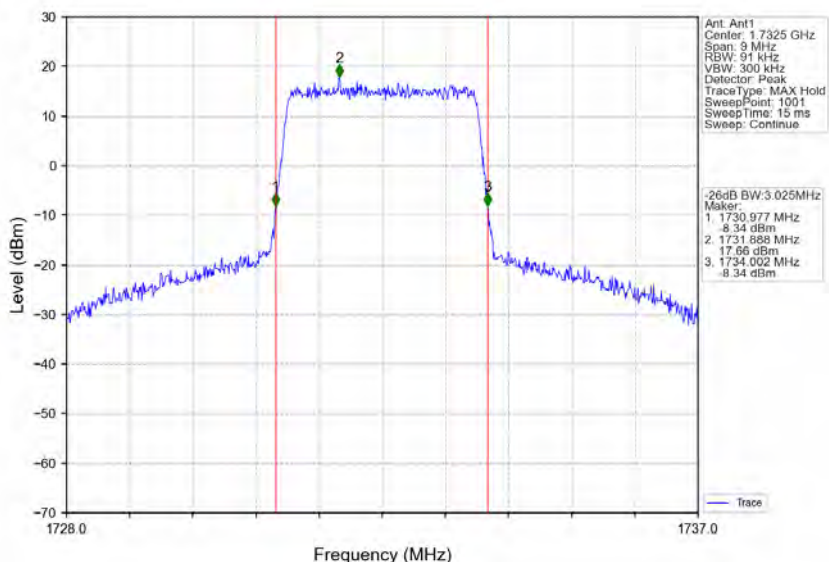
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



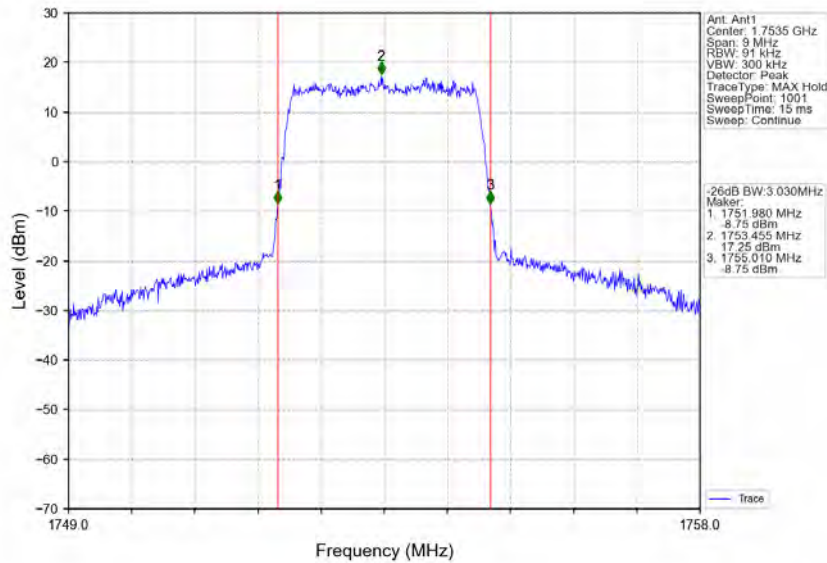
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

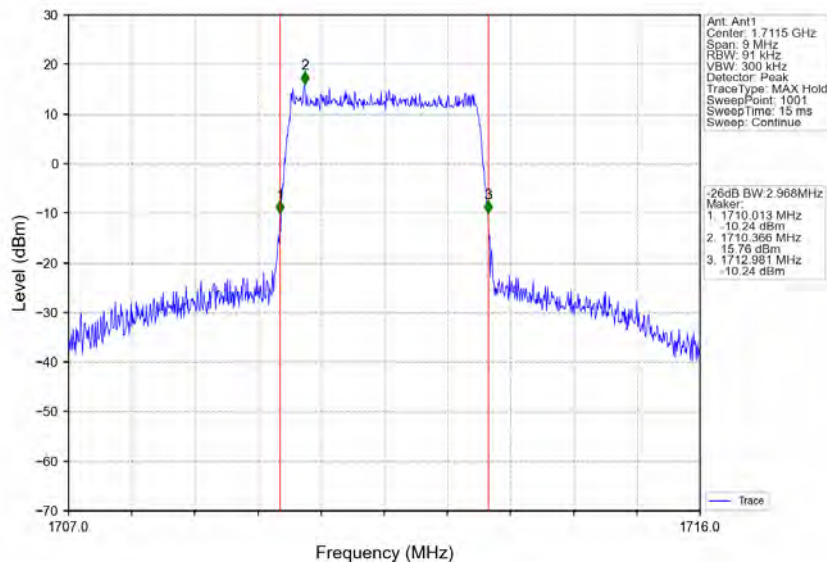
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



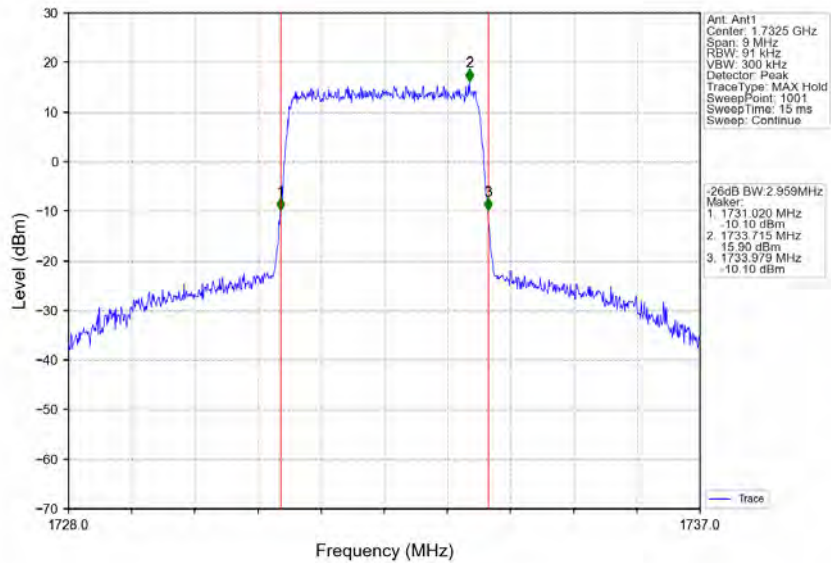
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

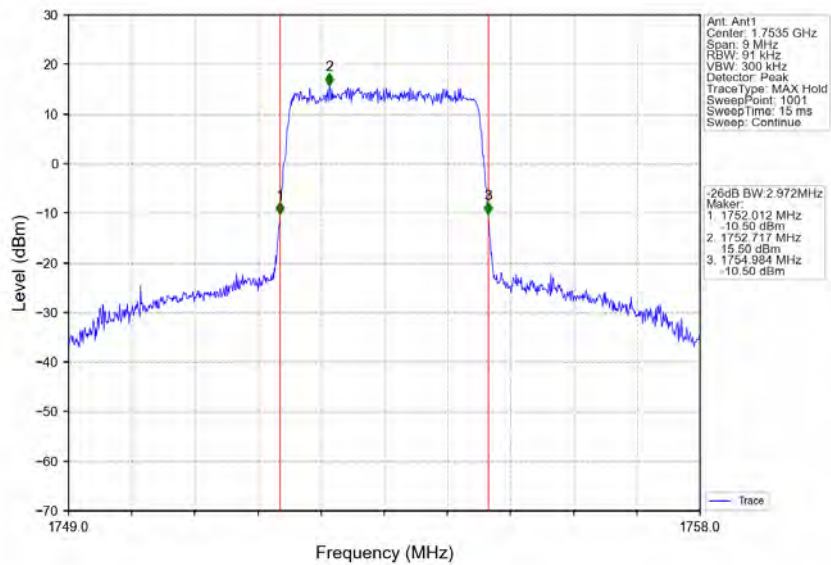
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



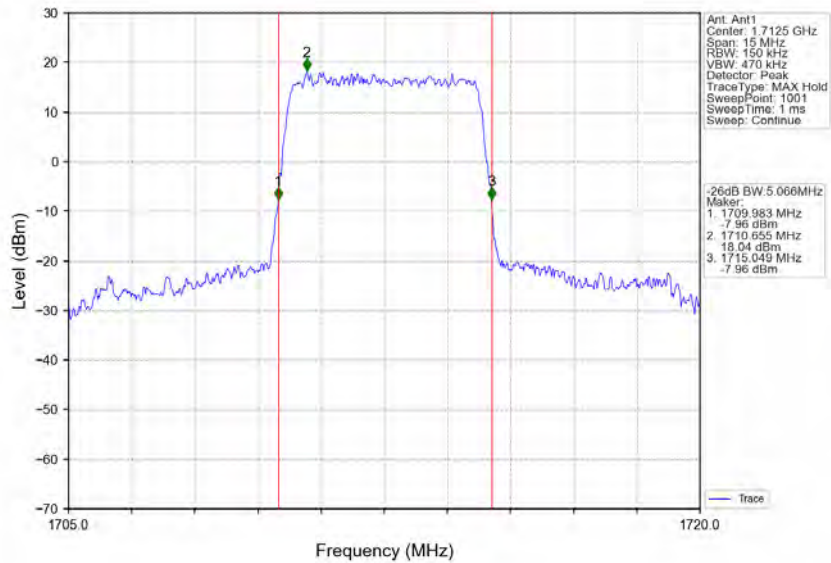
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

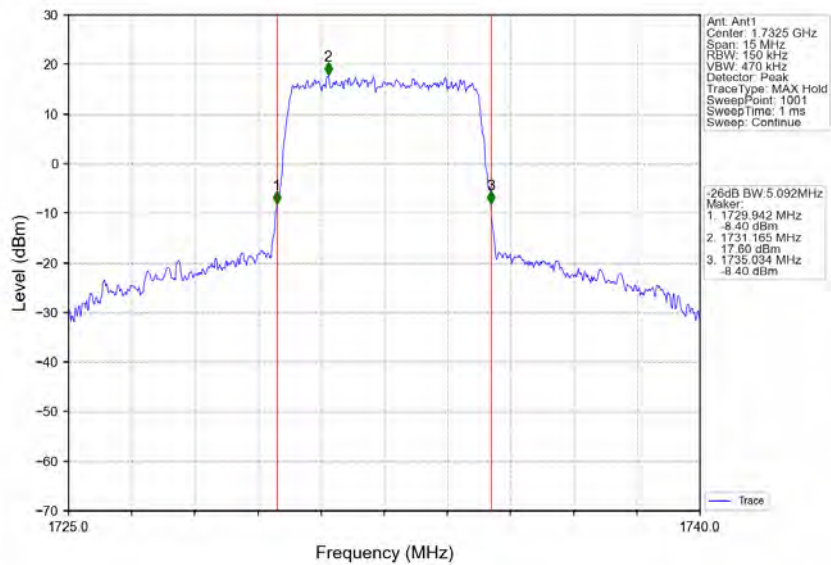
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



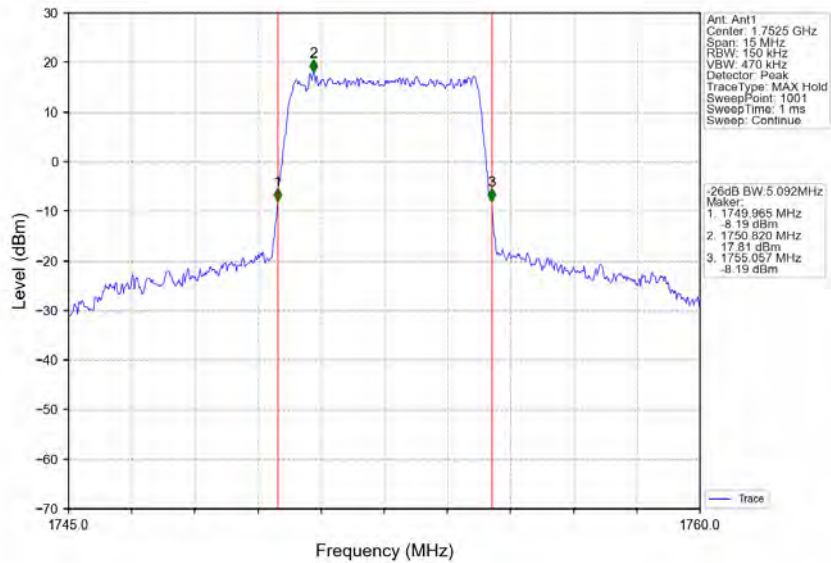
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

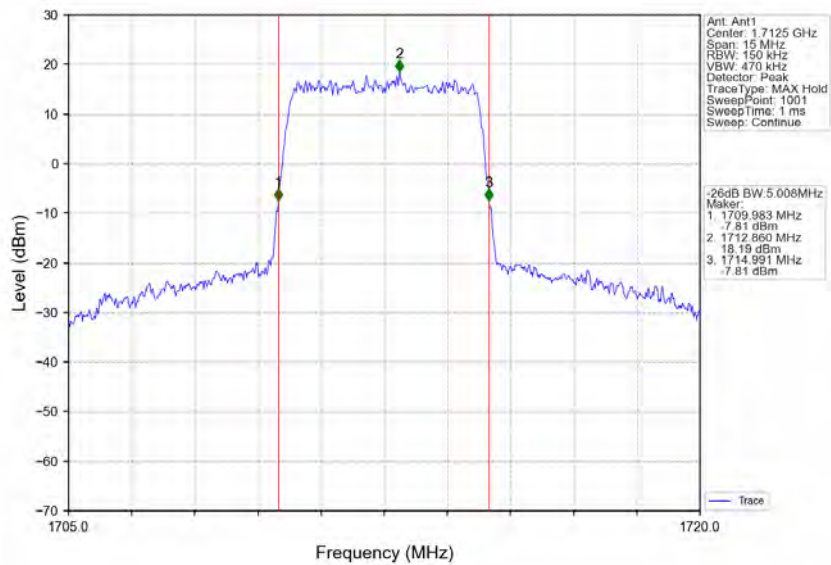
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 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.

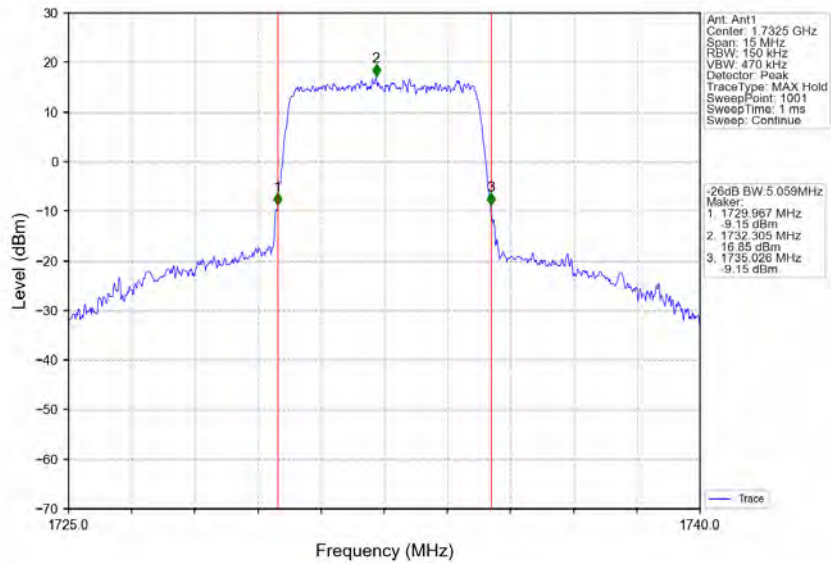
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

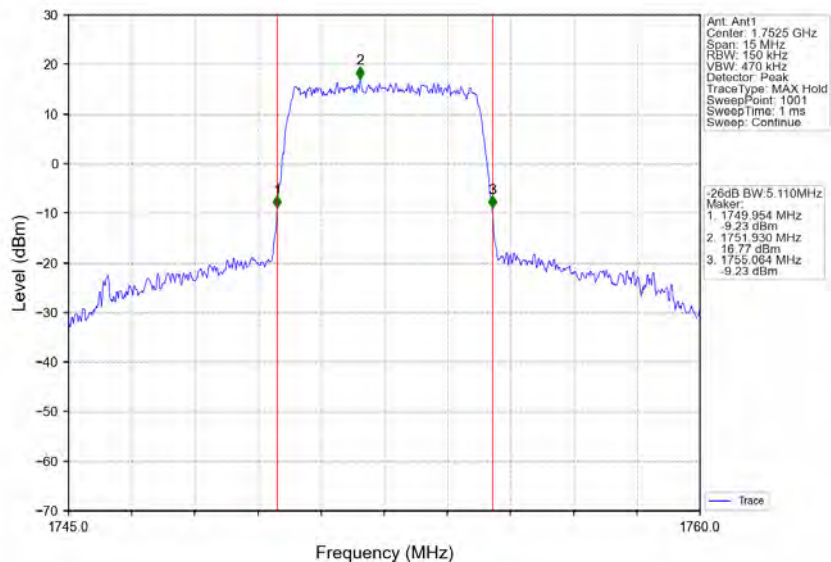
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



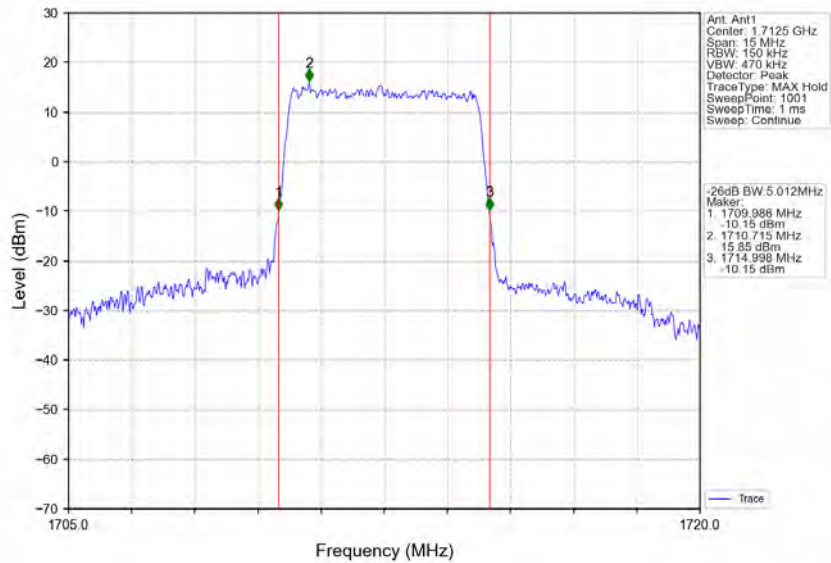
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

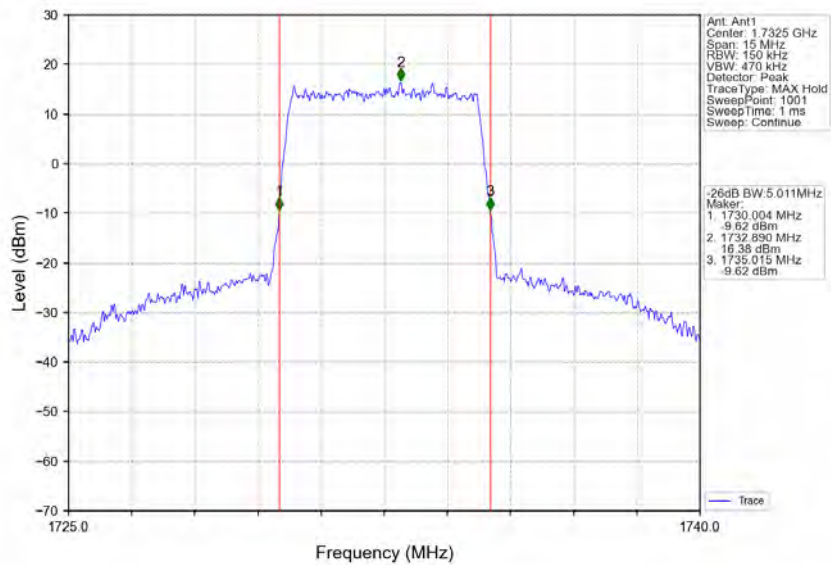
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



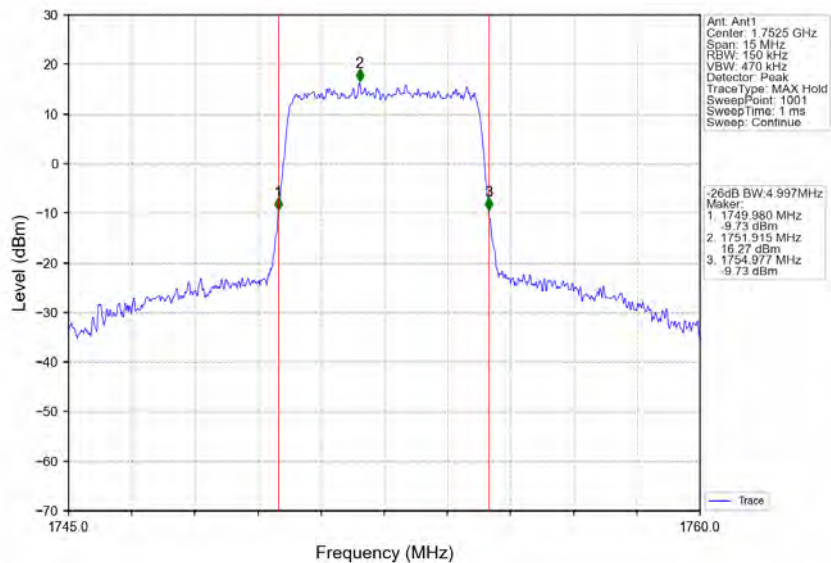
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

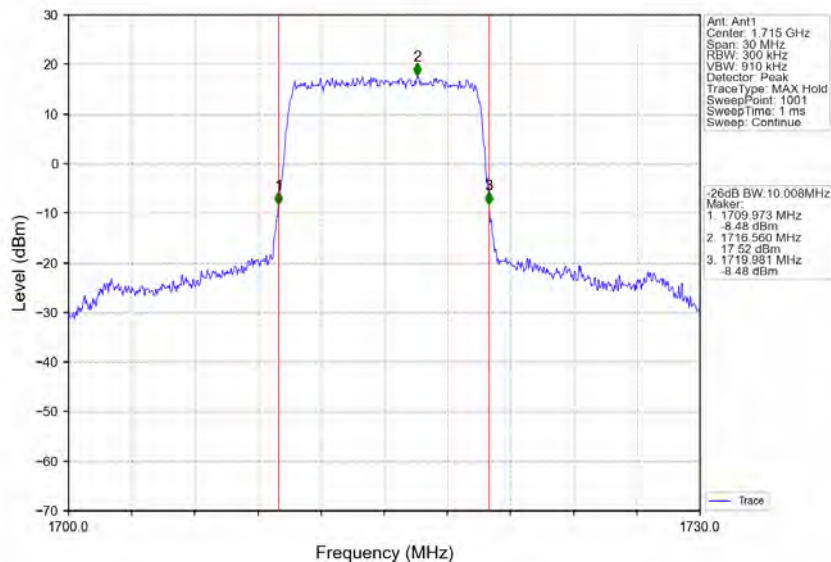
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



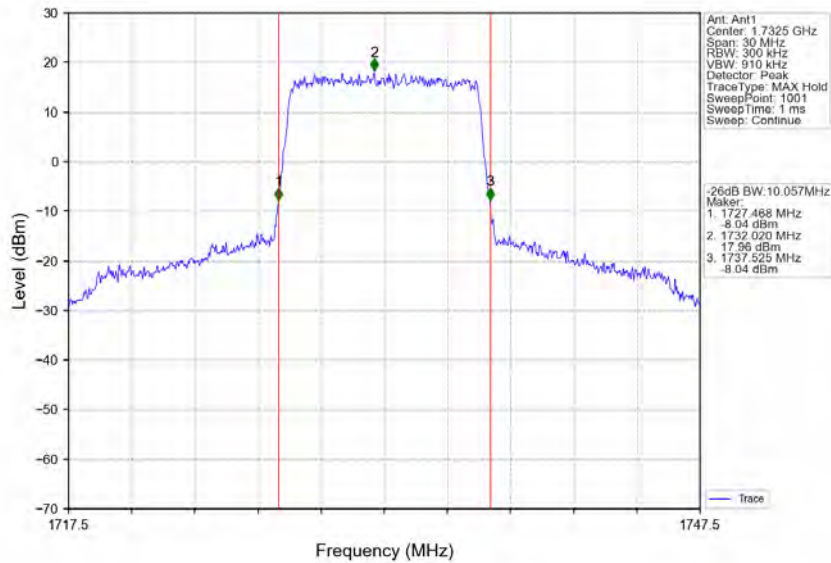
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

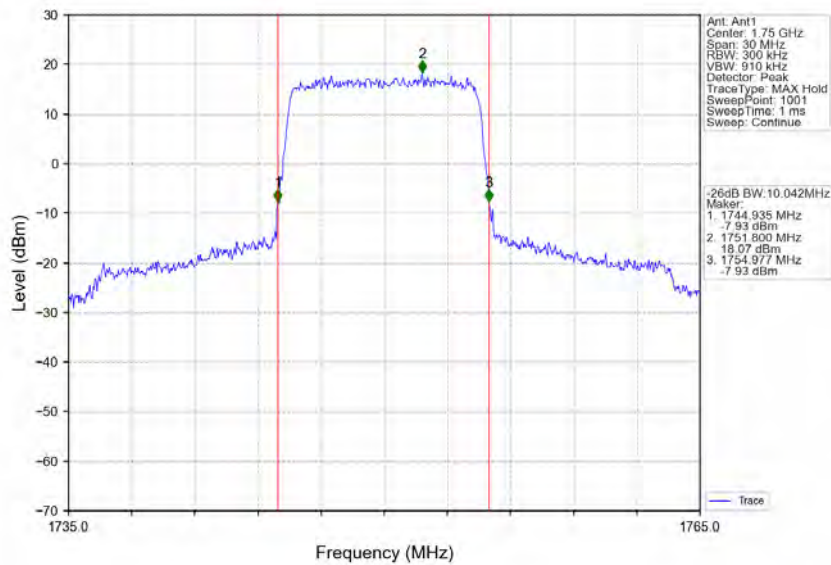
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_QPSK\_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-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.

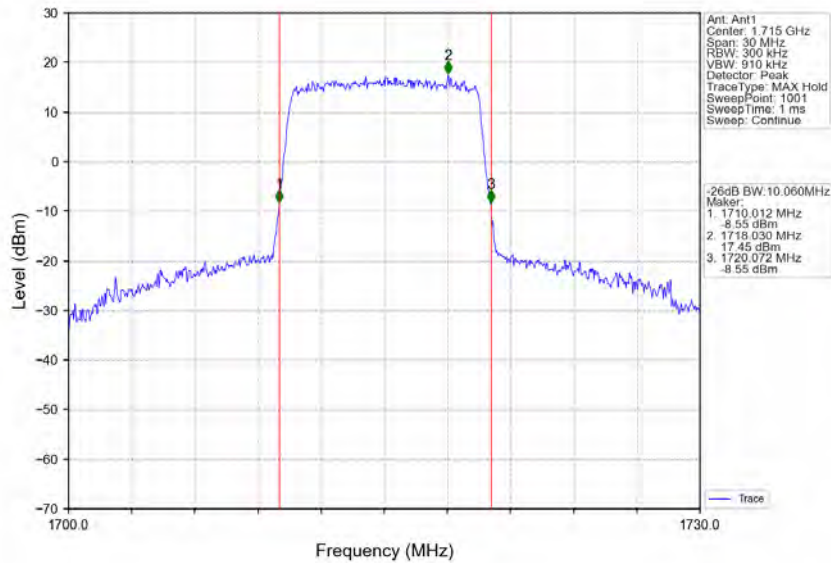
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

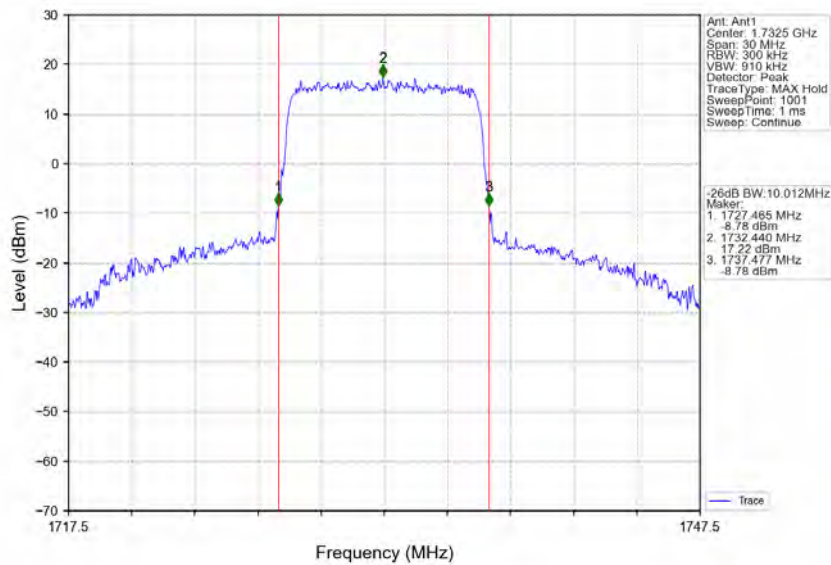
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



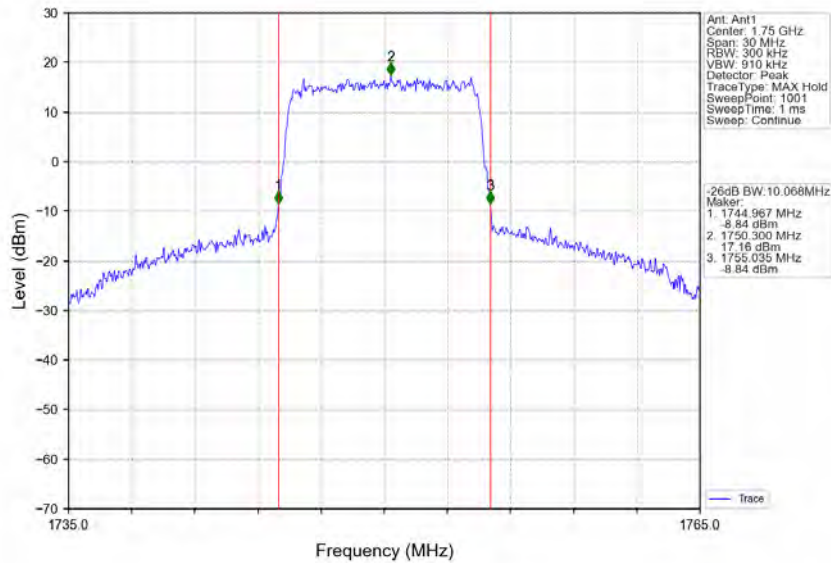
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

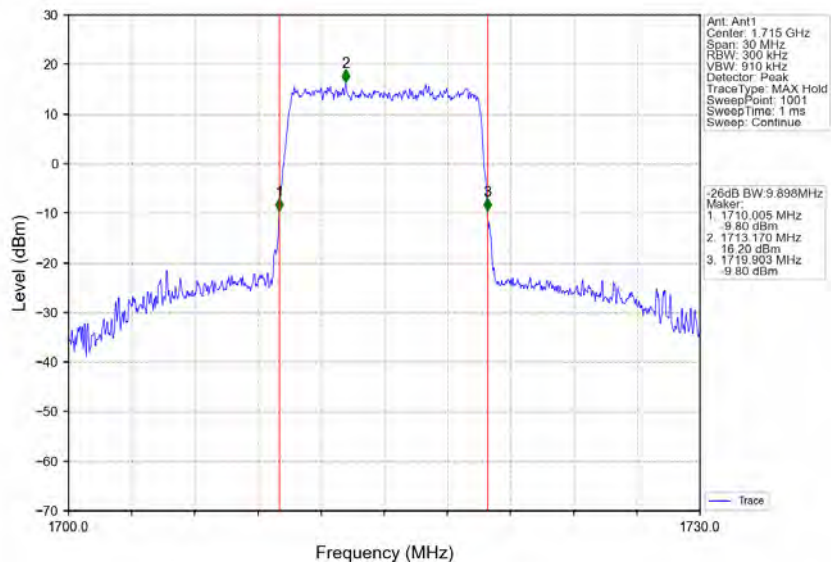
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_64QAM\_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.

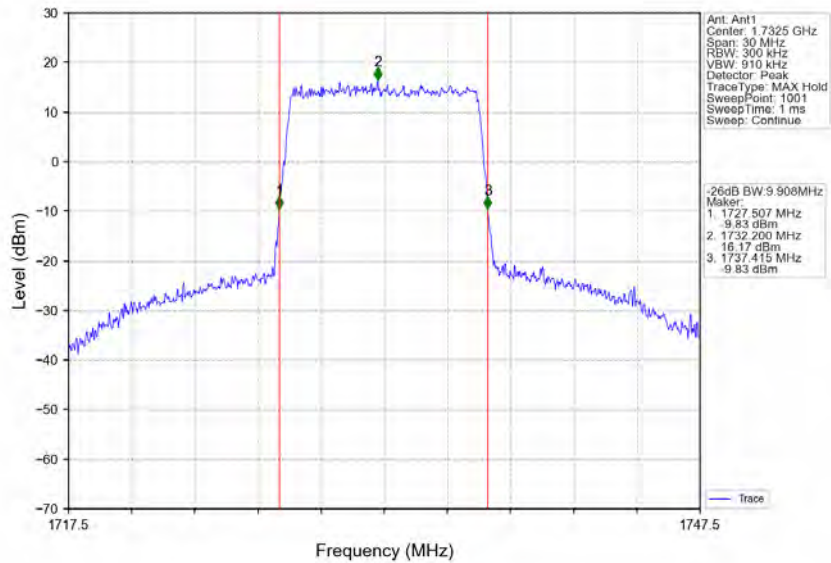
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

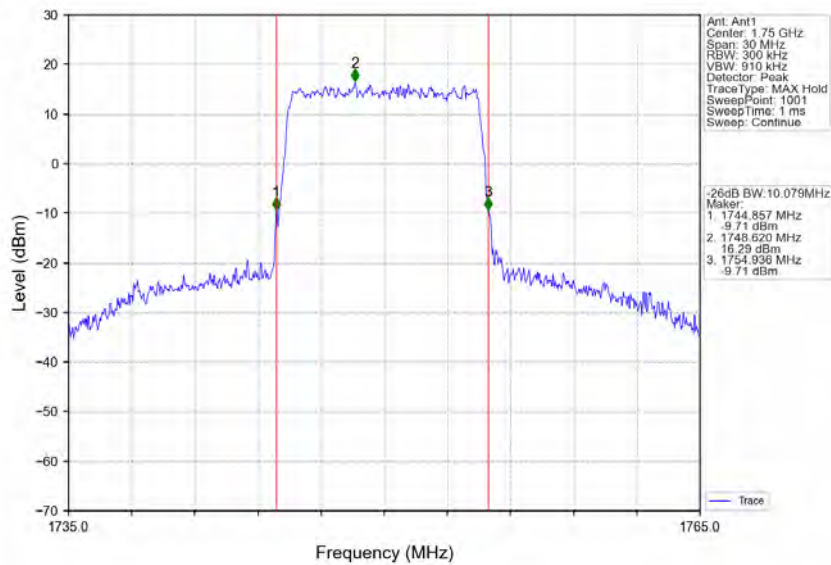
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



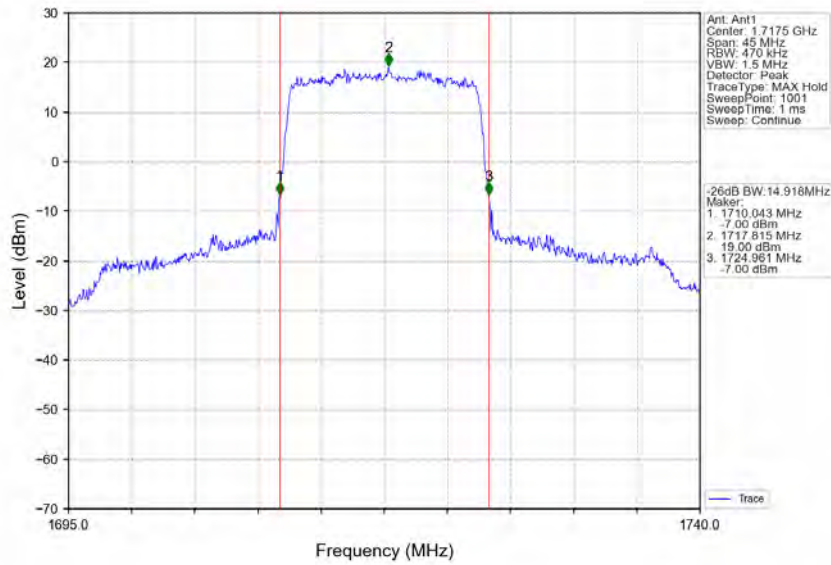
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

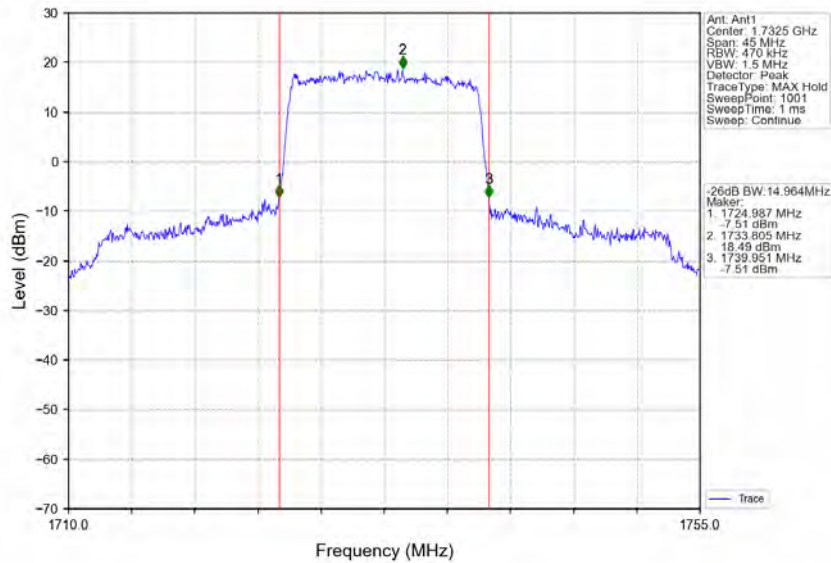
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_QPSK\_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 overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.

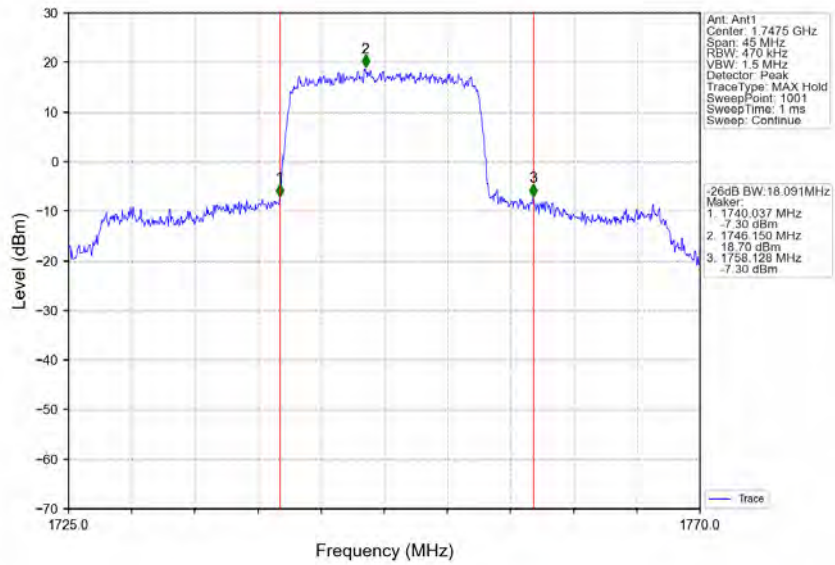
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

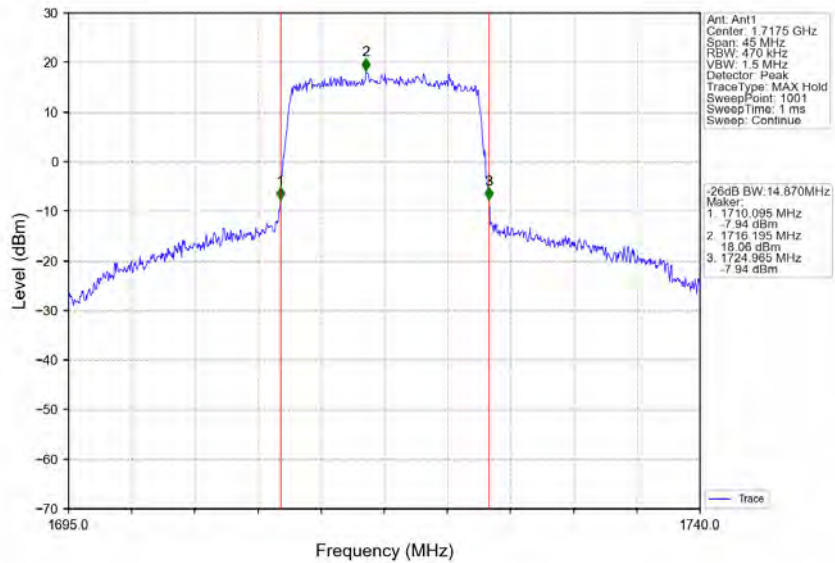
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



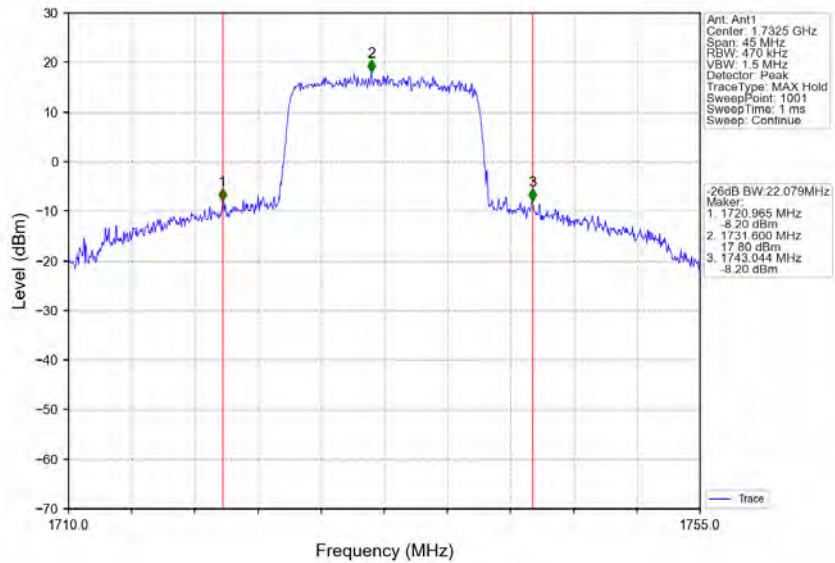
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

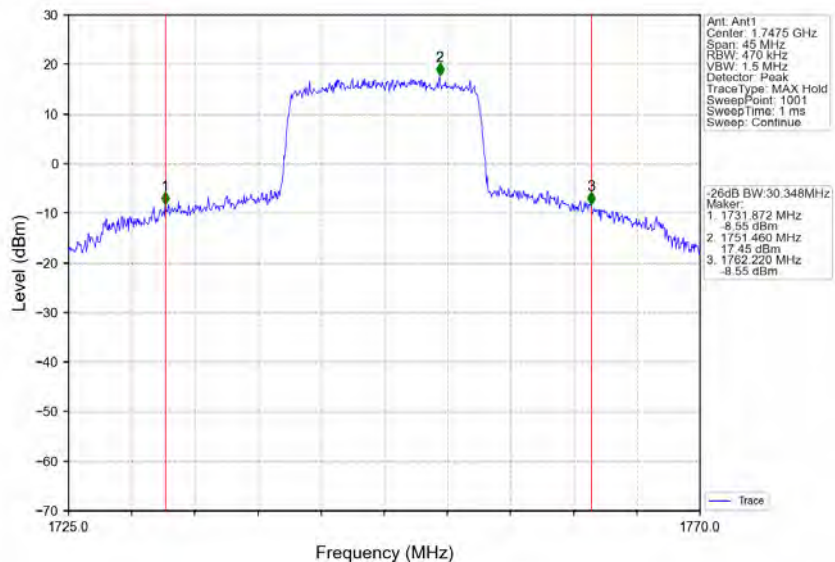
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



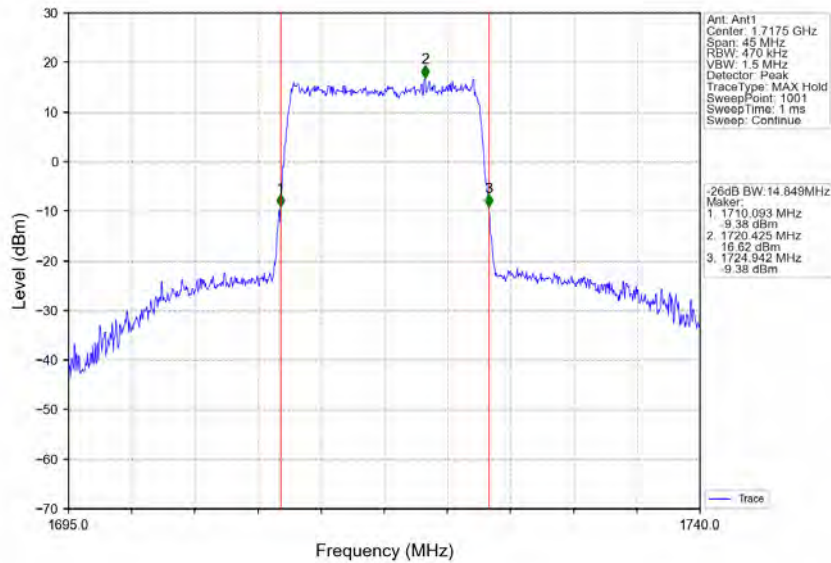
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

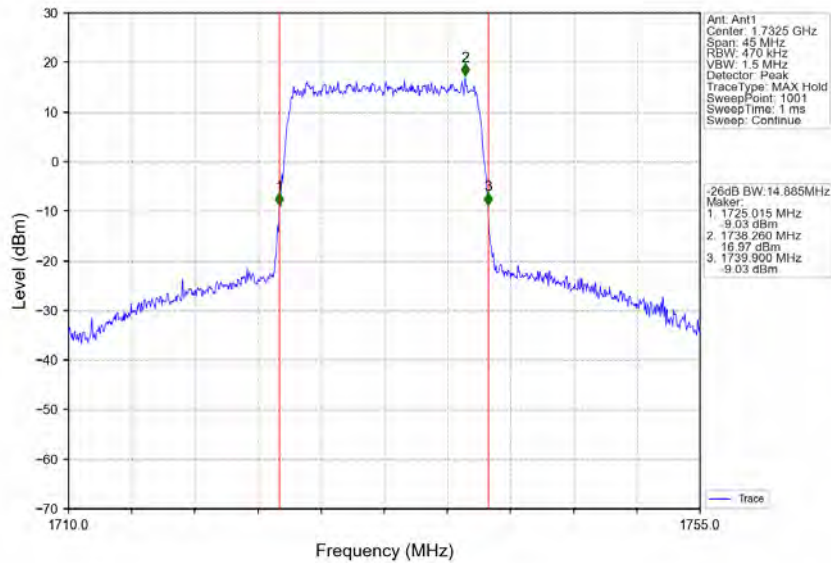
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



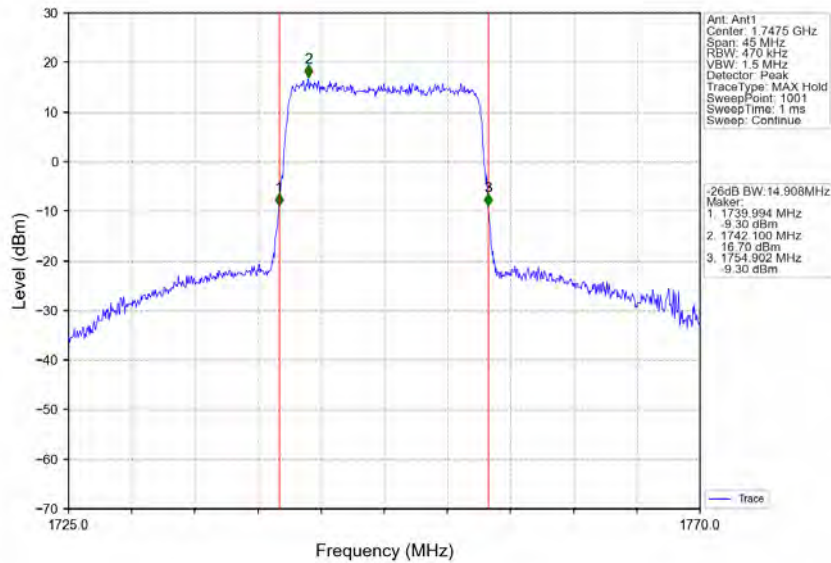
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

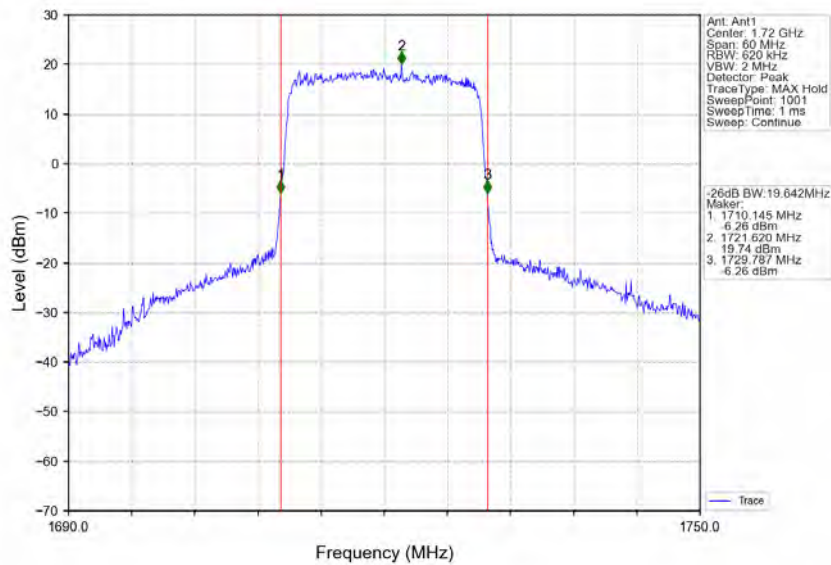
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



Band4\_20MHz\_QPSK\_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.

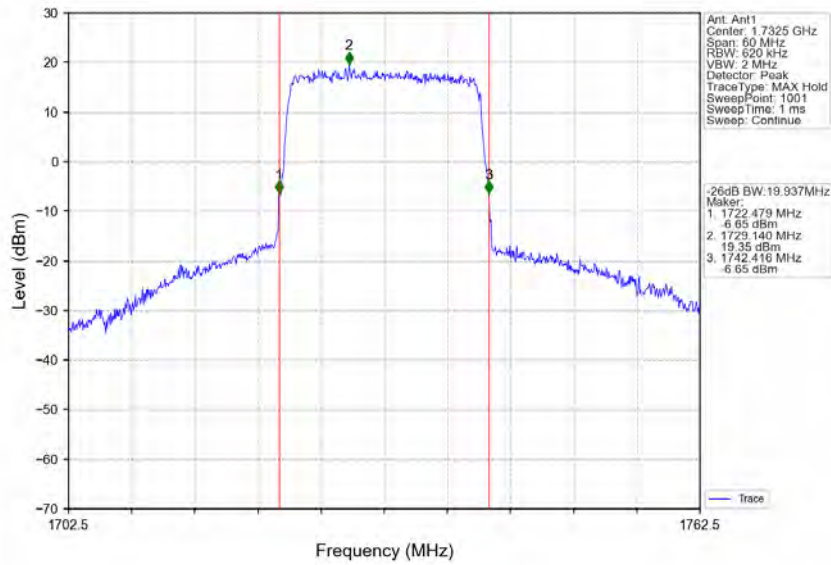
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

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

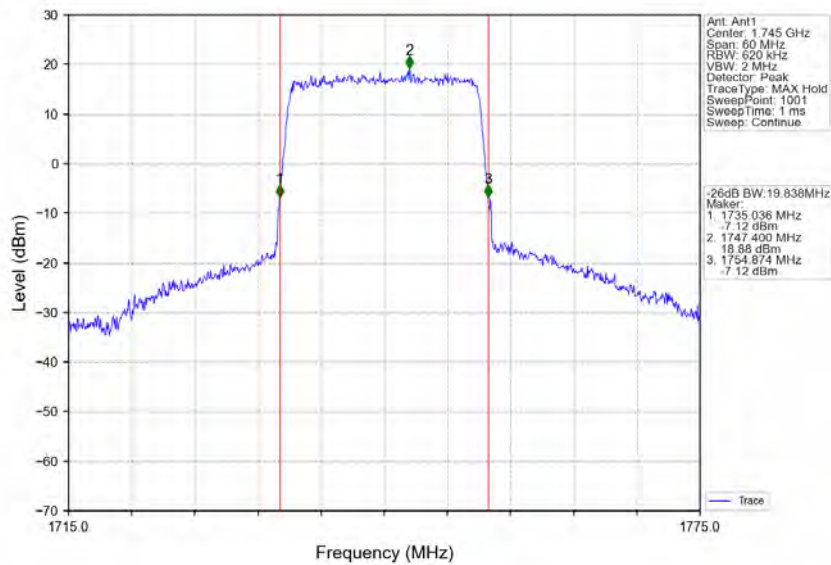
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



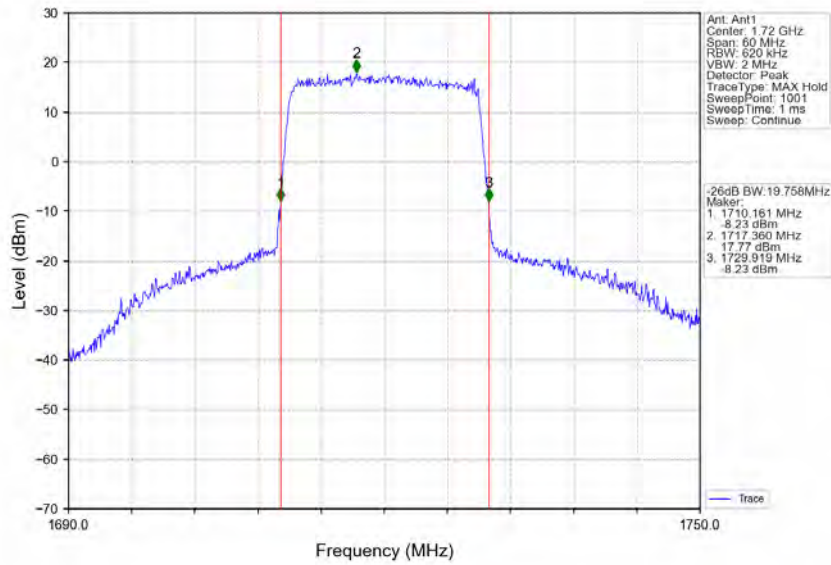
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

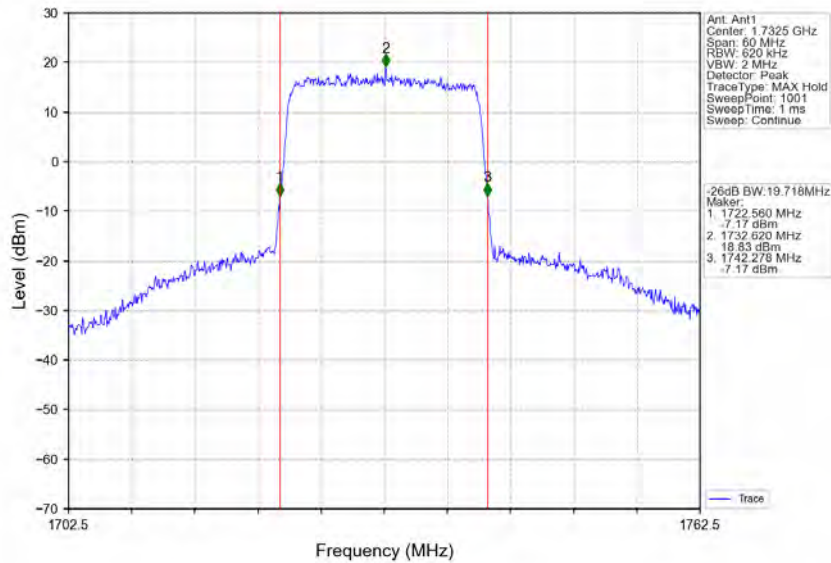
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



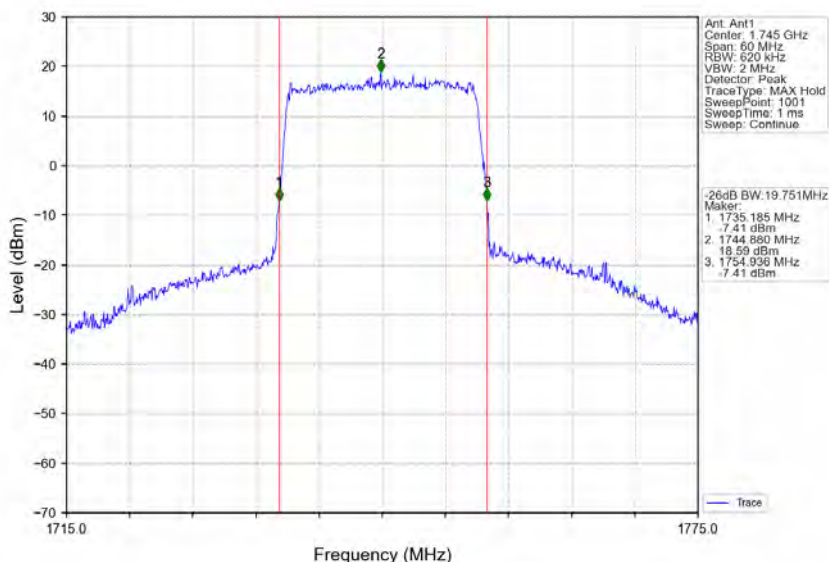
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

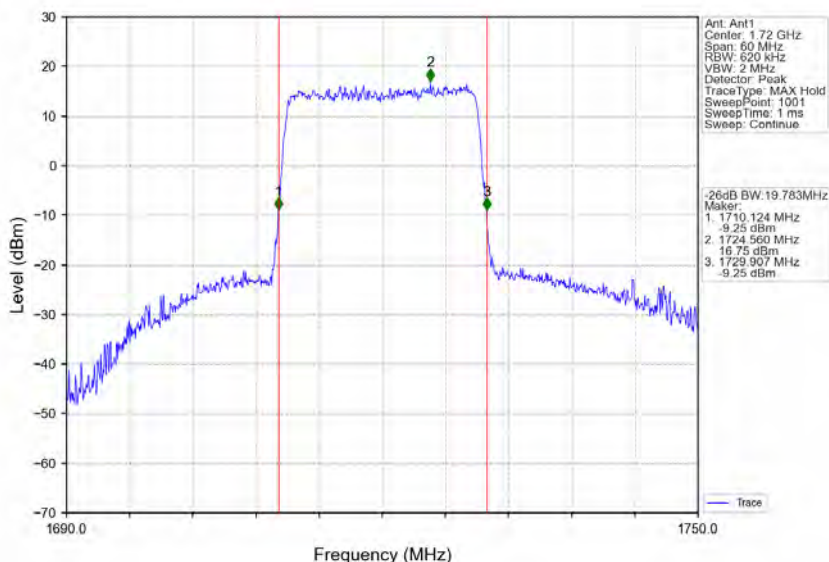
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

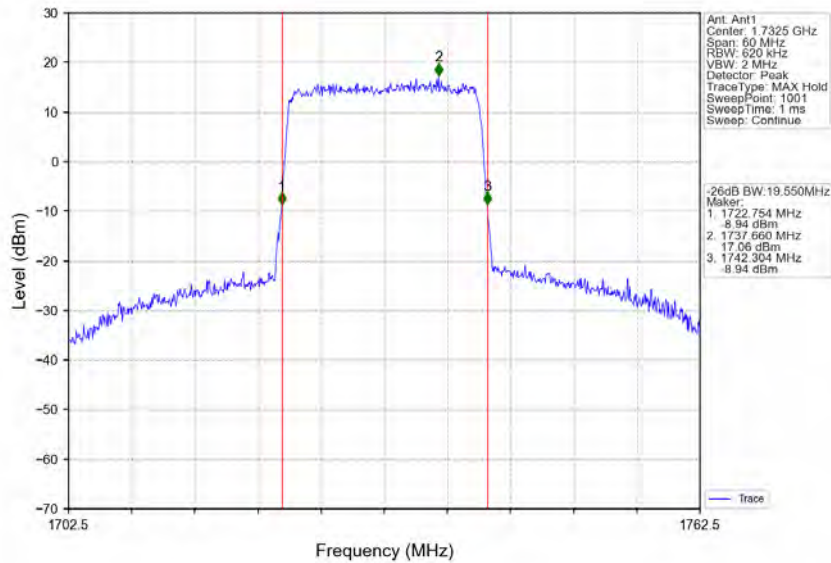


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

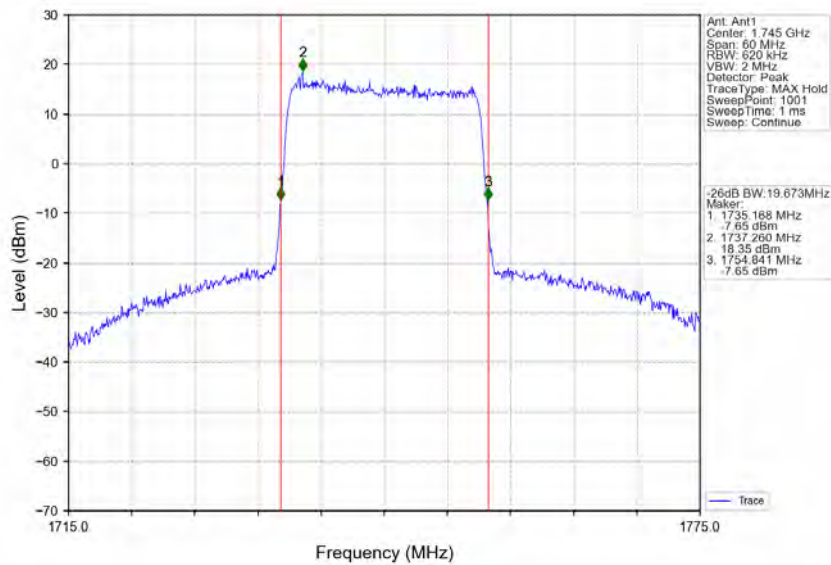
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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  
 t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_64QAM\_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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



## 5. Peak-Average Ratio

### 5.1 B4\_1.4MHz

#### 5.1.1 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	5.42	<=13	Pass
	1732.5	6	0	5.58	<=13	Pass
	1754.3	6	0	5.54	<=13	Pass
16QAM	1710.7	6	0	6.34	<=13	Pass
	1732.5	6	0	6.53	<=13	Pass
	1754.3	6	0	6.45	<=13	Pass
64QAM	1710.7	6	0	6.36	<=13	Pass
	1732.5	6	0	6.90	<=13	Pass
	1754.3	6	0	6.67	<=13	Pass



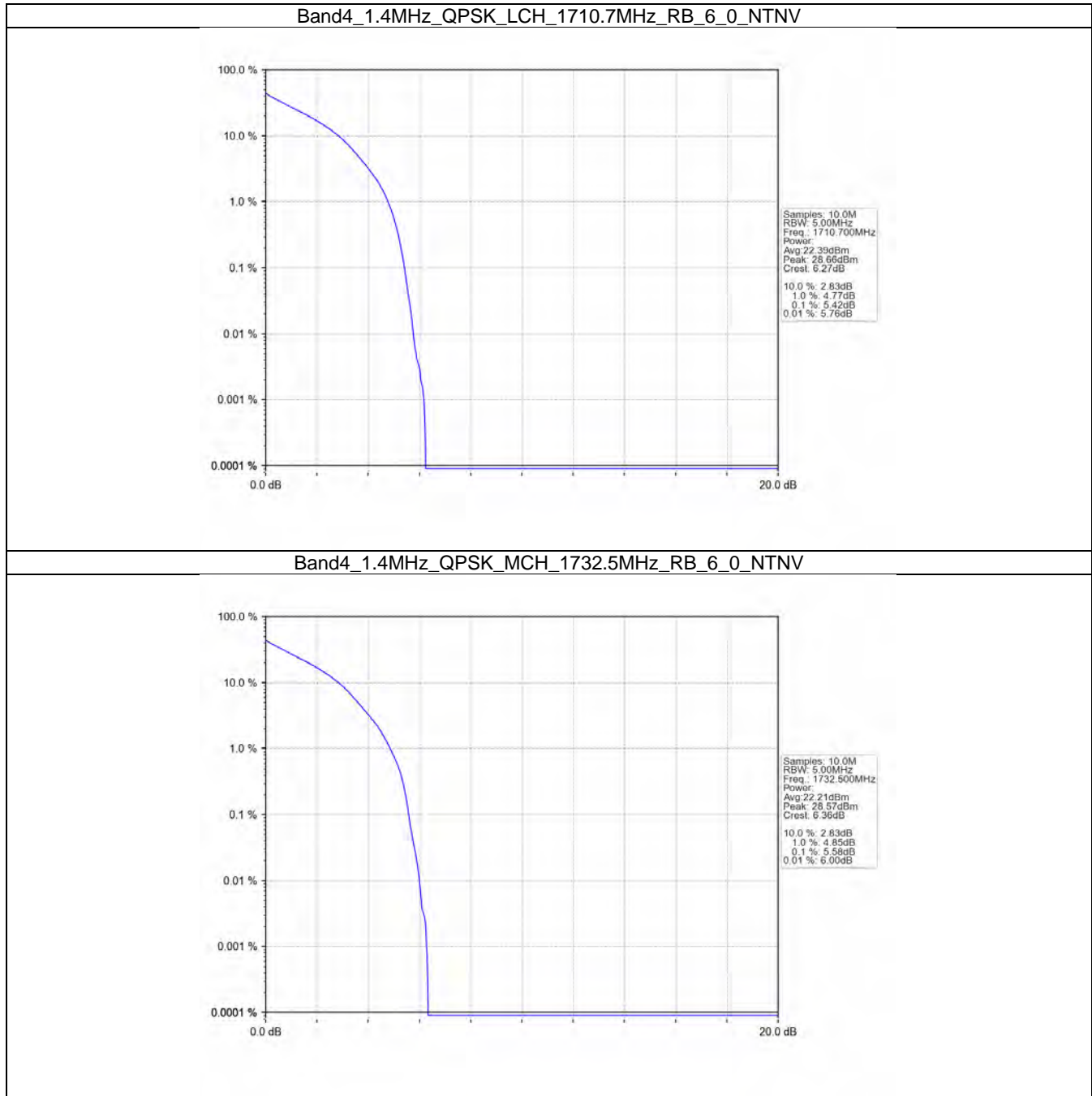
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

5.1.2 Test Graph



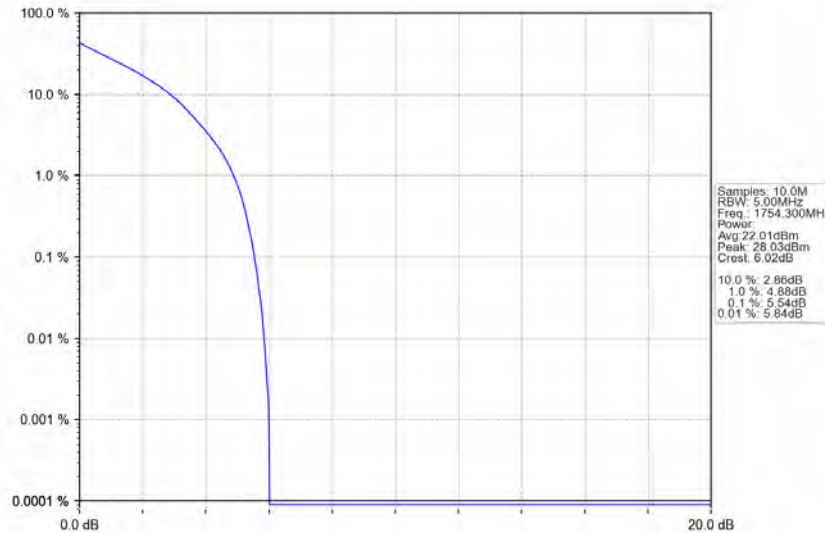
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

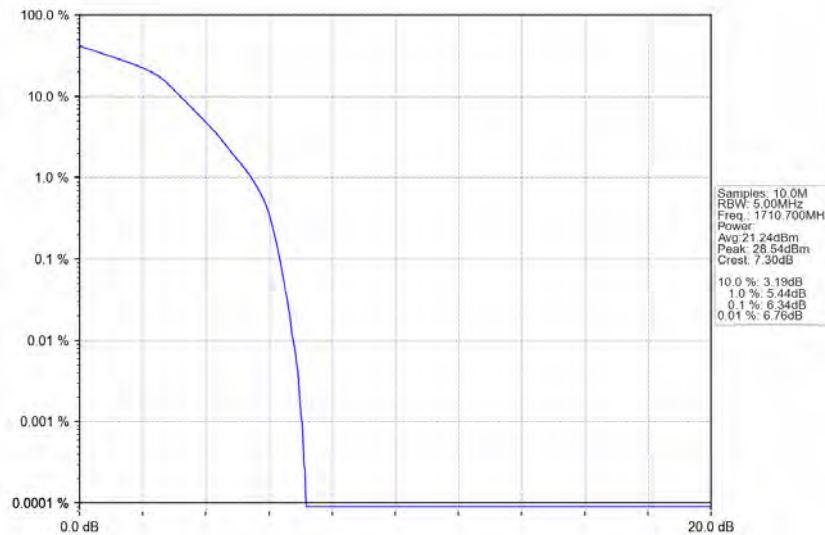
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 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



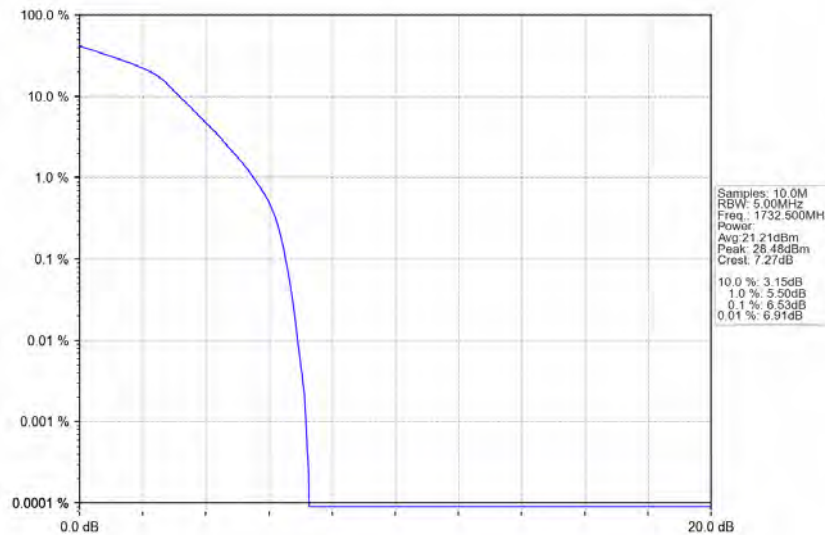
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

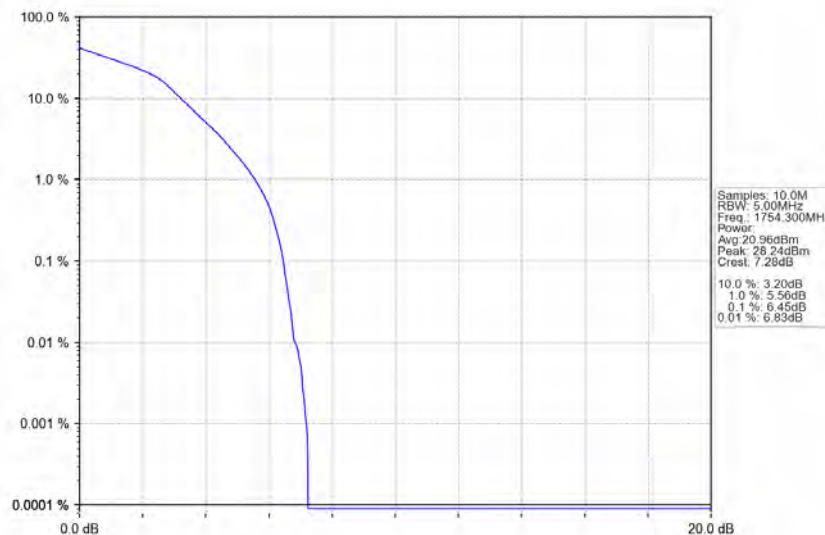
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 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



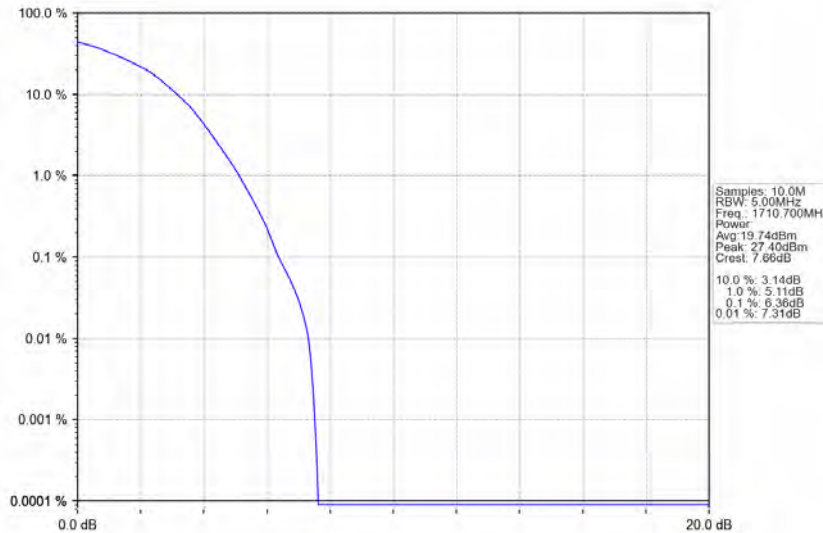
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

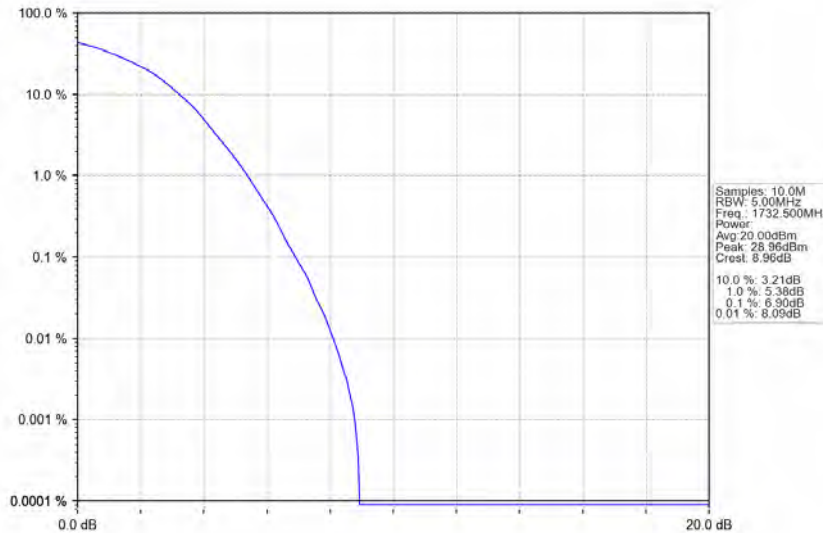
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 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

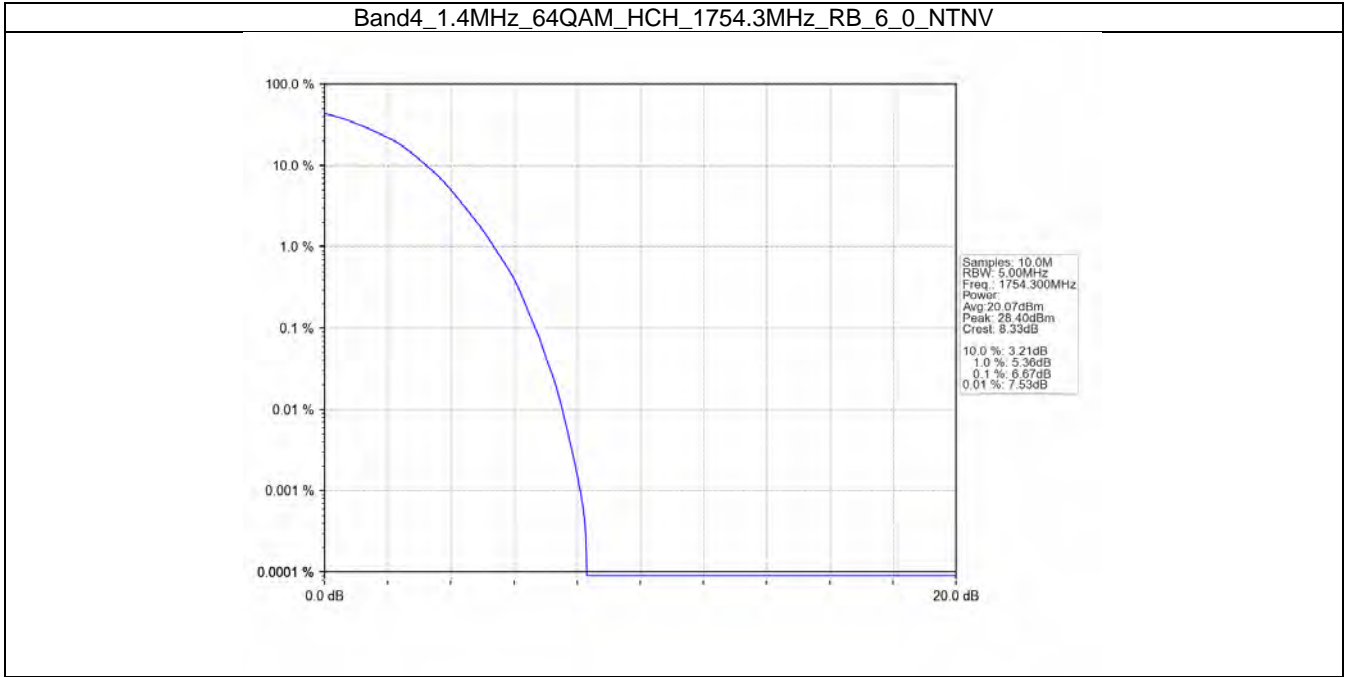


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

5.2 B4\_3MHz

5.2.1 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	5.52	<=13	Pass
	1732.5	15	0	5.69	<=13	Pass
	1753.5	15	0	5.64	<=13	Pass
16QAM	1711.5	15	0	6.46	<=13	Pass
	1732.5	15	0	6.61	<=13	Pass
	1753.5	15	0	6.55	<=13	Pass
64QAM	1711.5	15	0	6.63	<=13	Pass
	1732.5	15	0	6.83	<=13	Pass
	1753.5	15	0	6.71	<=13	Pass

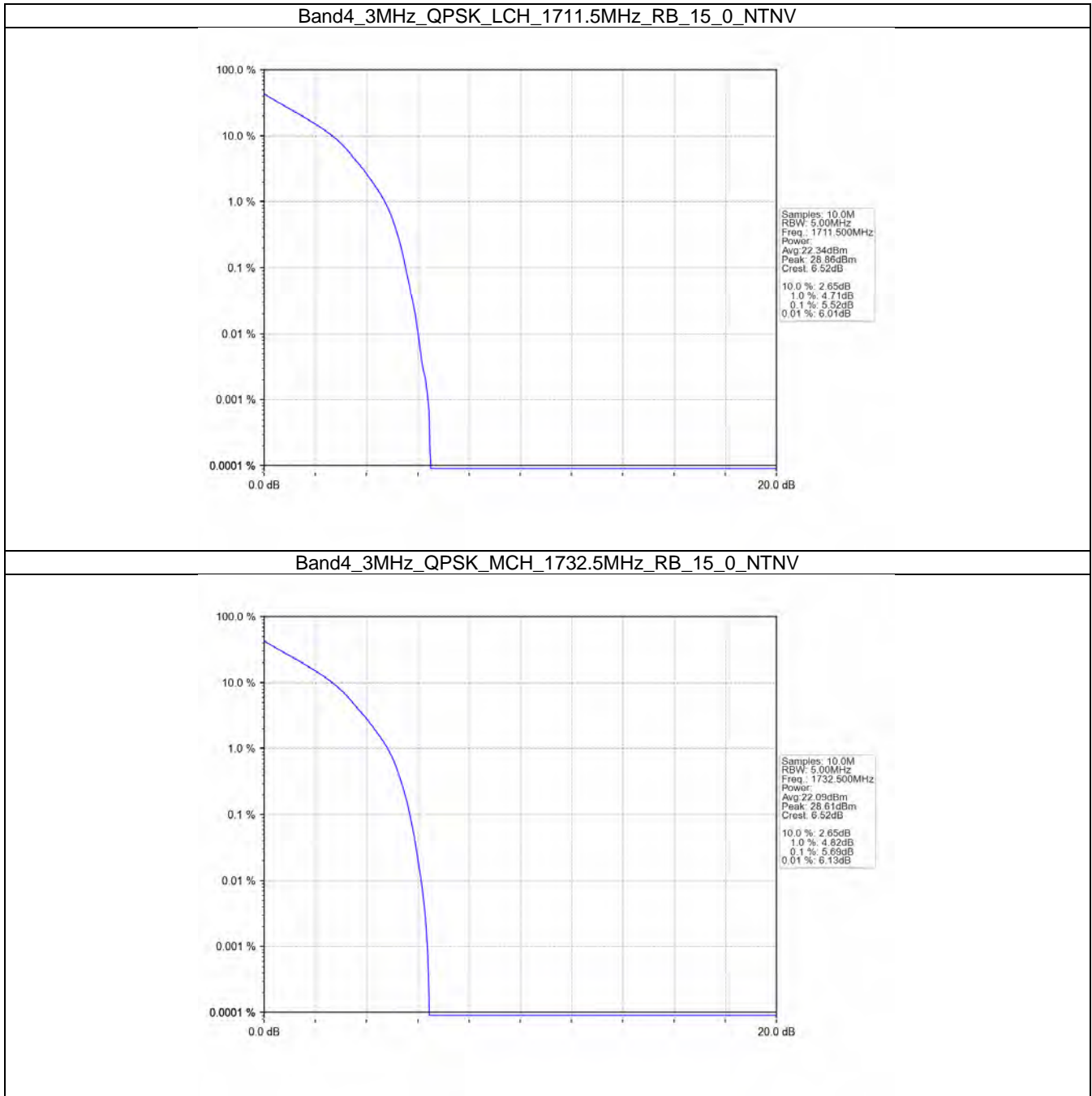


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgs.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    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-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.

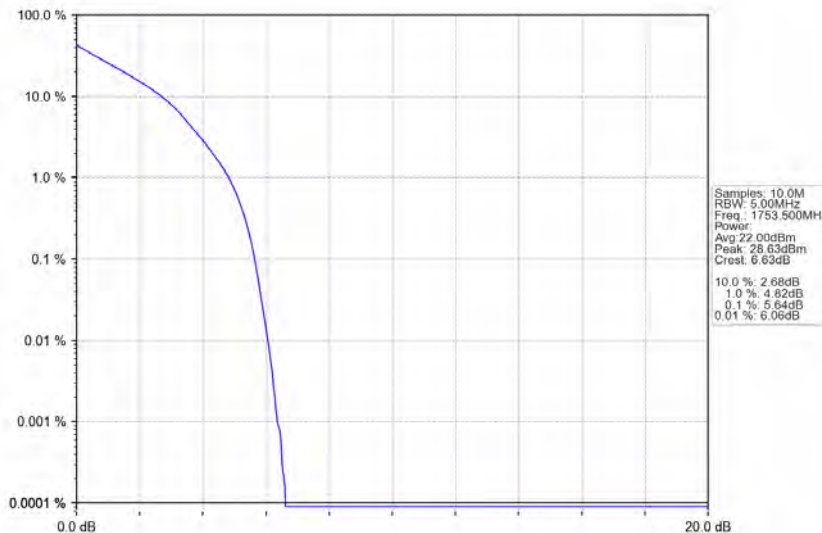
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

Compliance Certification Services (Kunshan) Inc.  
 EMC Laboratory

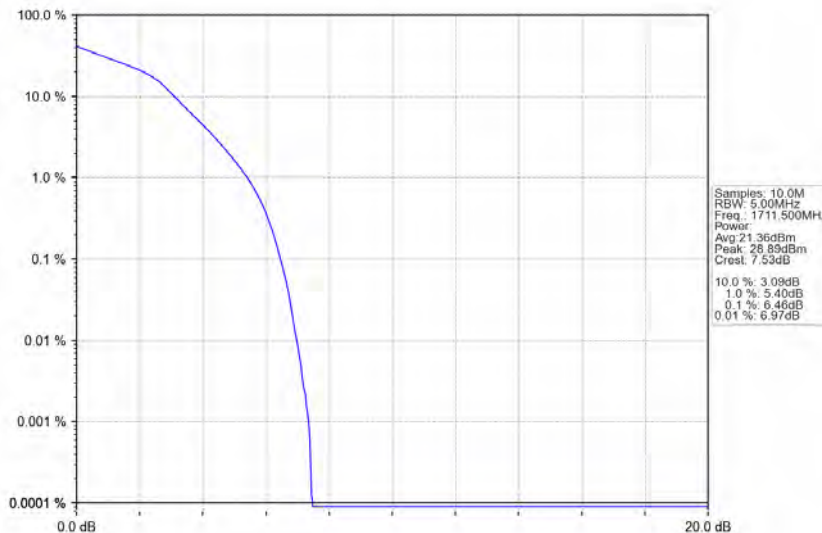
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300  
 t:(86-512)57355888 f:(86-512)57370818 www.sgs.com.cn  
 t:(86-512)57355888 f:(86-512)57370818 sgs.china@sgs.com



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



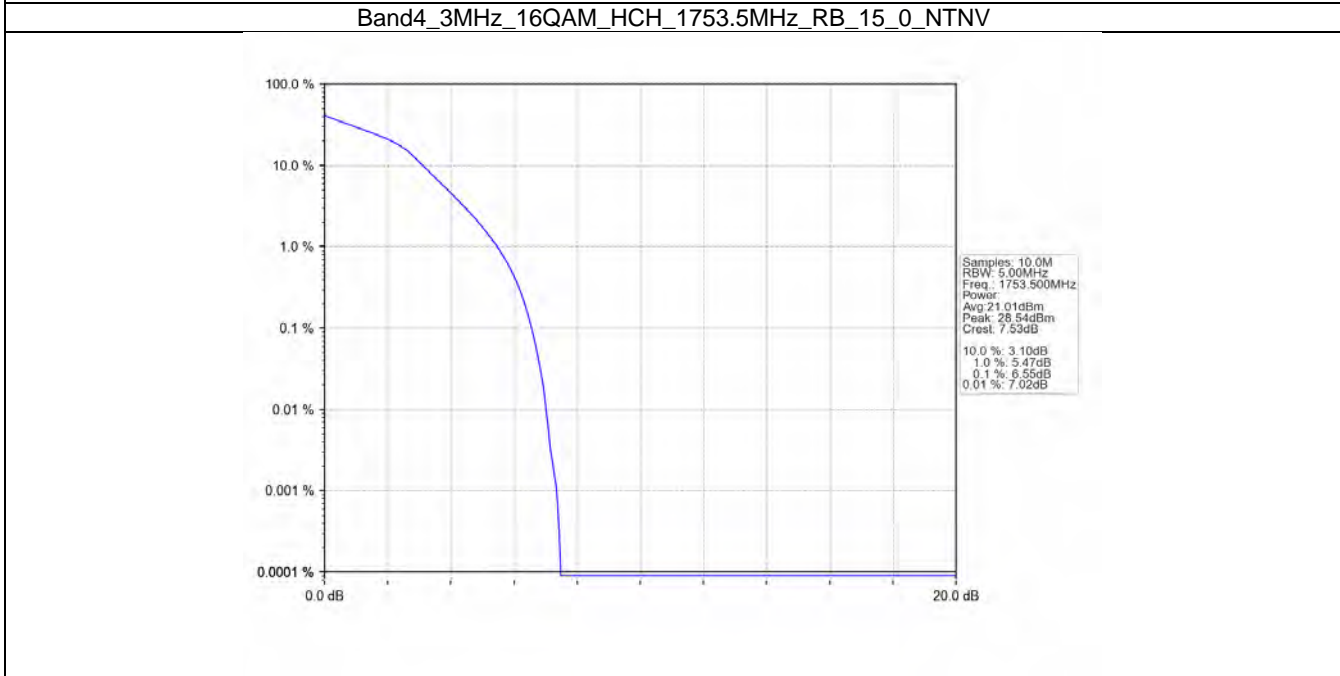
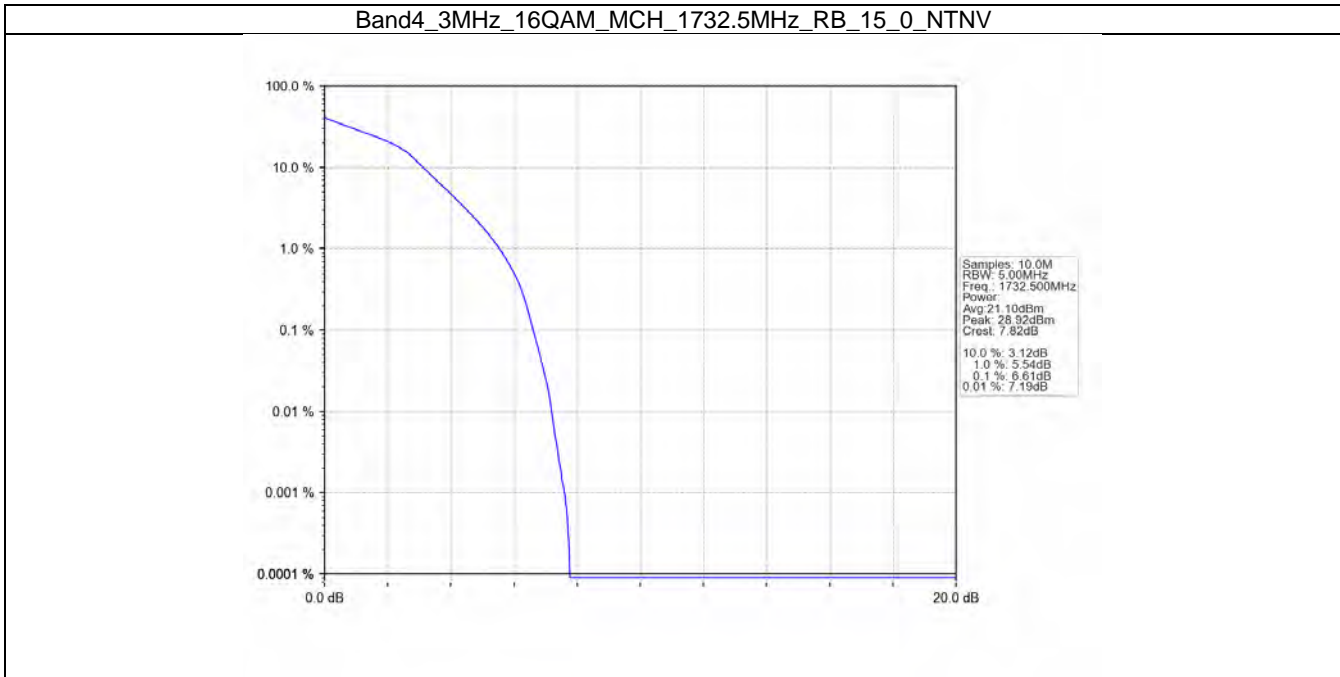
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



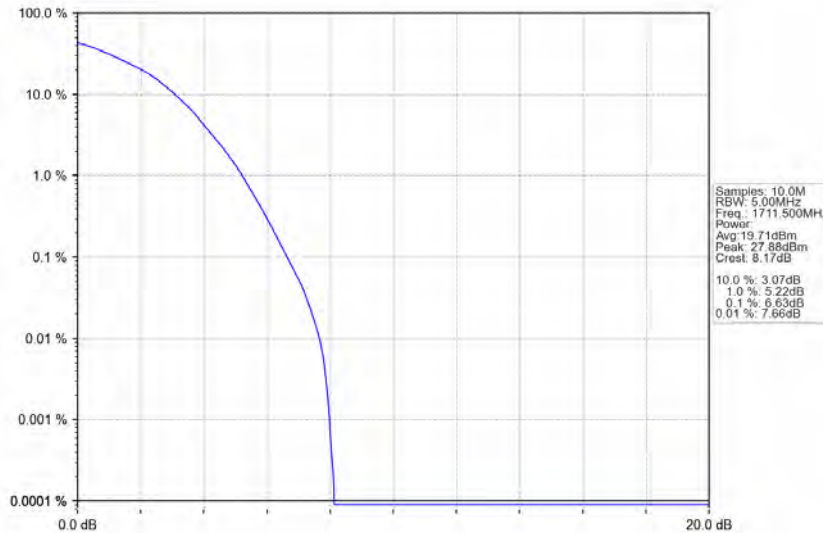


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

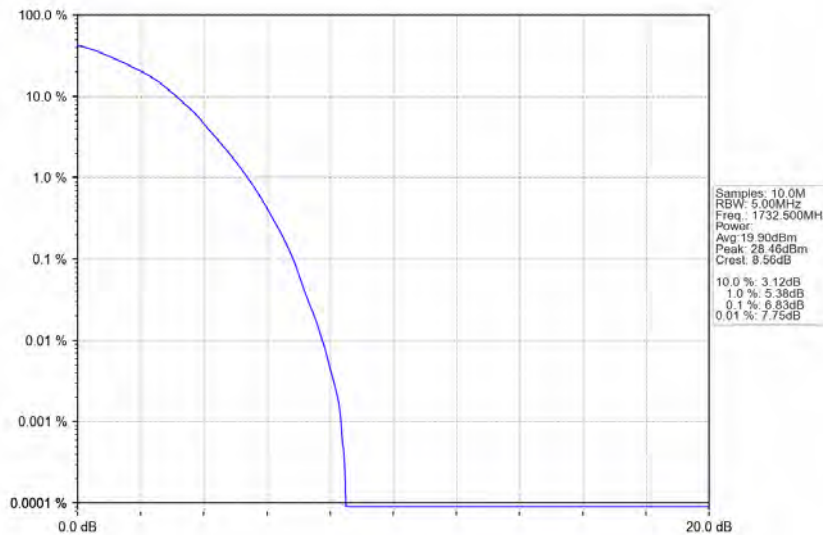
**Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

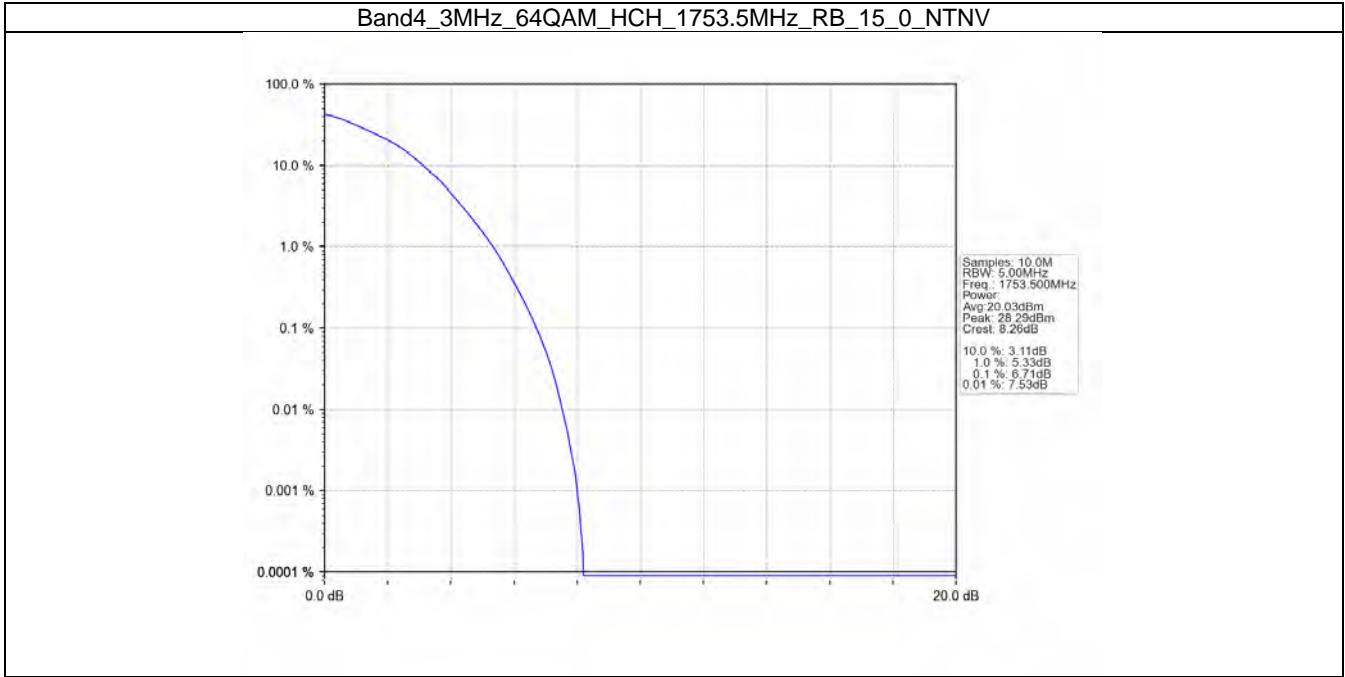


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

5.3 B4\_5MHz

5.3.1 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	5.42	<=13	Pass
	1732.5	25	0	5.52	<=13	Pass
	1752.5	25	0	5.45	<=13	Pass
16QAM	1712.5	25	0	6.31	<=13	Pass
	1732.5	25	0	6.43	<=13	Pass
	1752.5	25	0	6.38	<=13	Pass
64QAM	1712.5	25	0	6.74	<=13	Pass
	1732.5	25	0	6.70	<=13	Pass
	1752.5	25	0	6.68	<=13	Pass



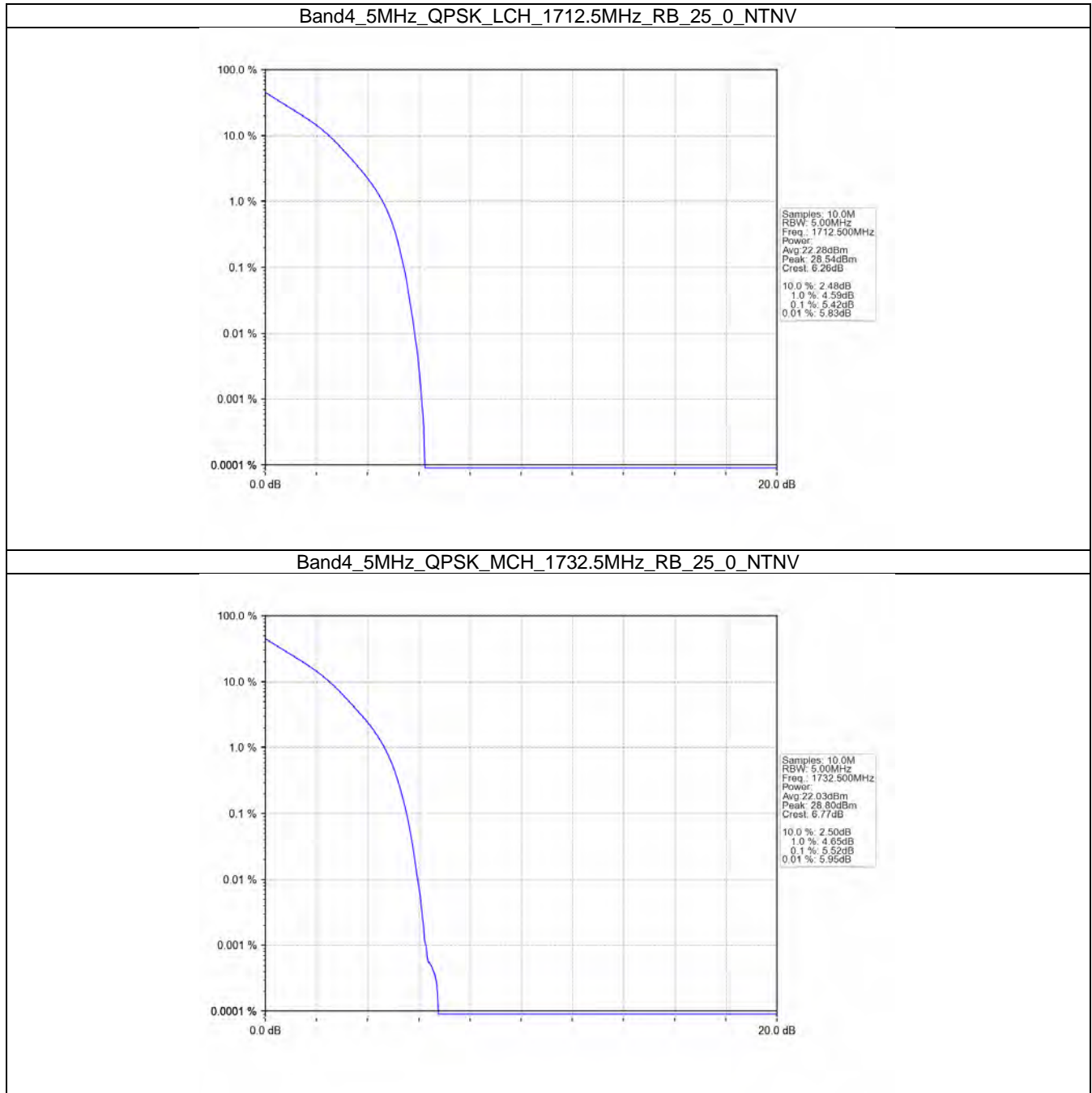
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

5.3.2 Test Graph



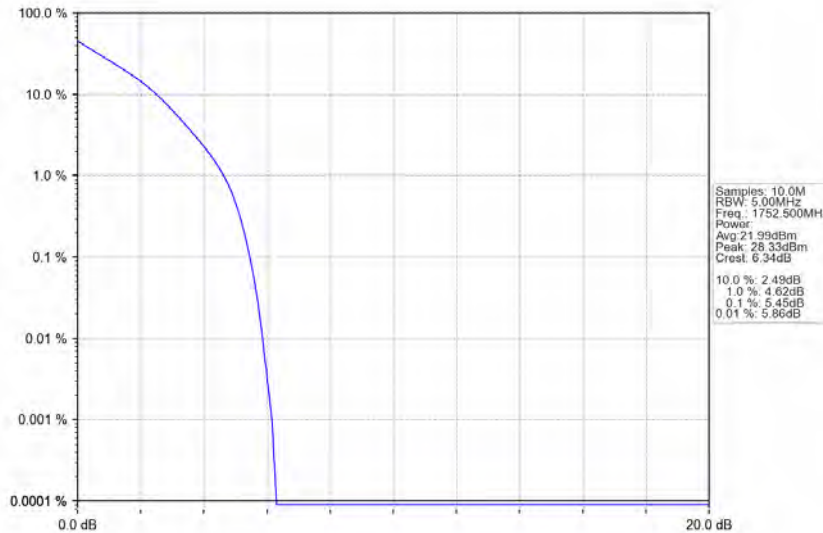
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

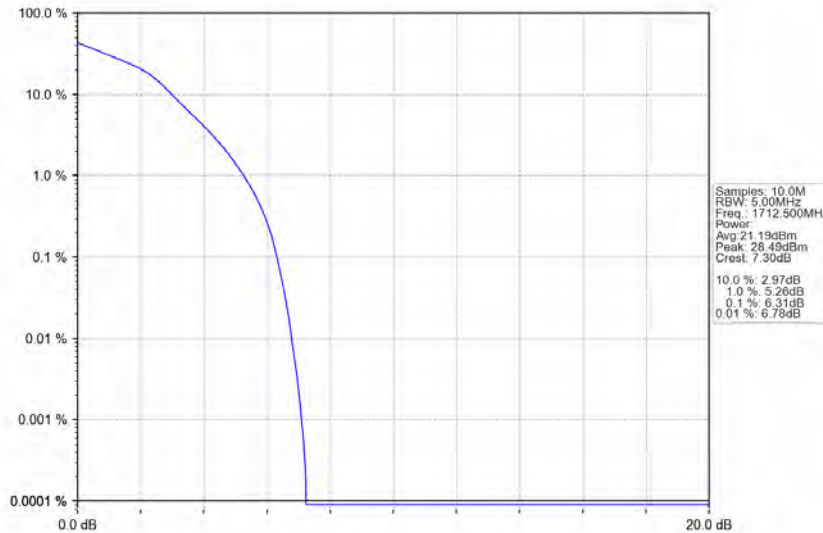
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



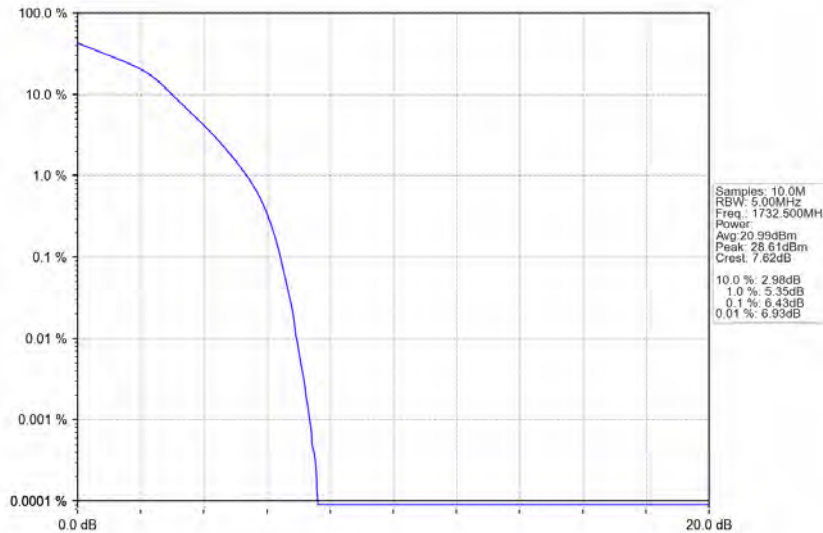
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

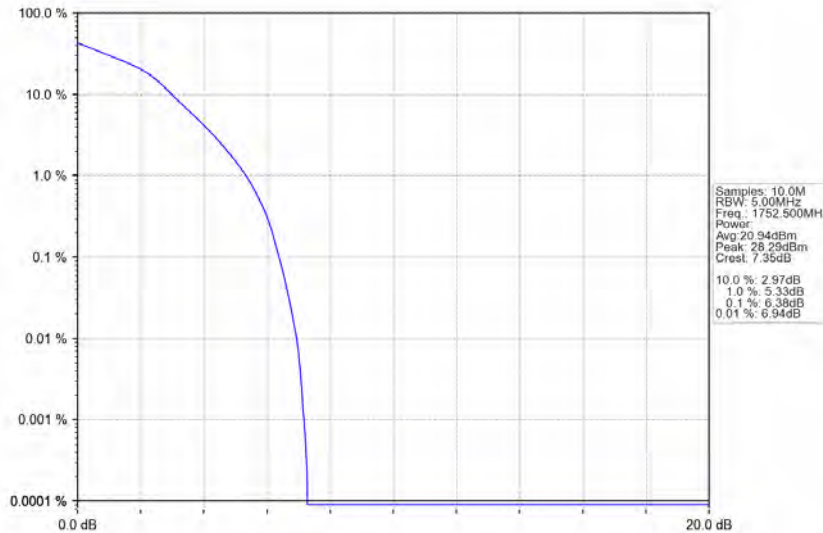
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



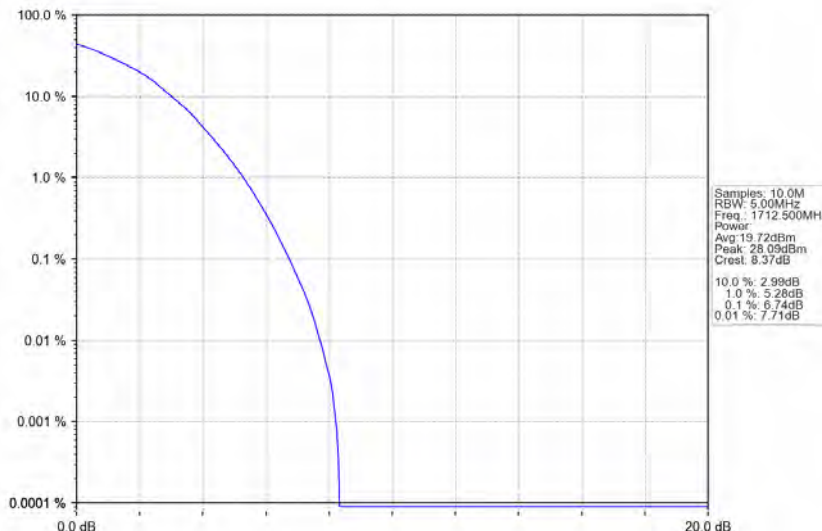
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

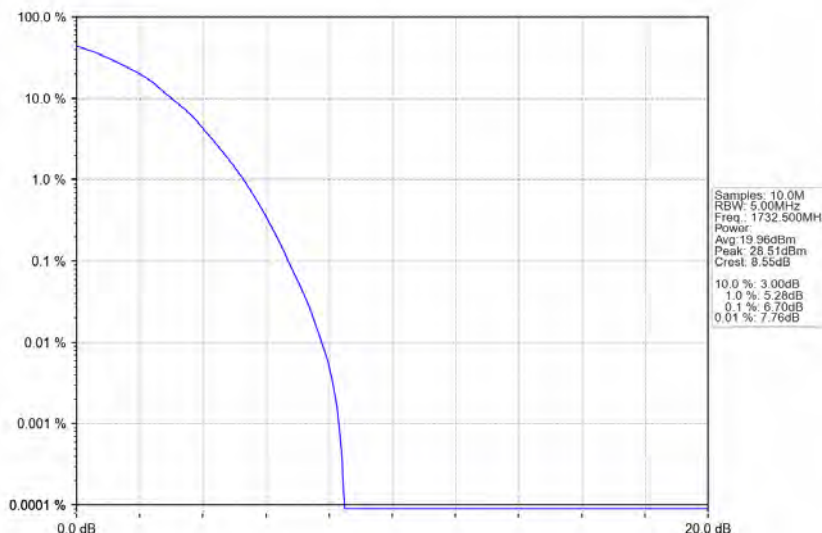
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888      f(86-512)57370818      www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888      f(86-512)57370818      sgs.china@sgs.com



Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



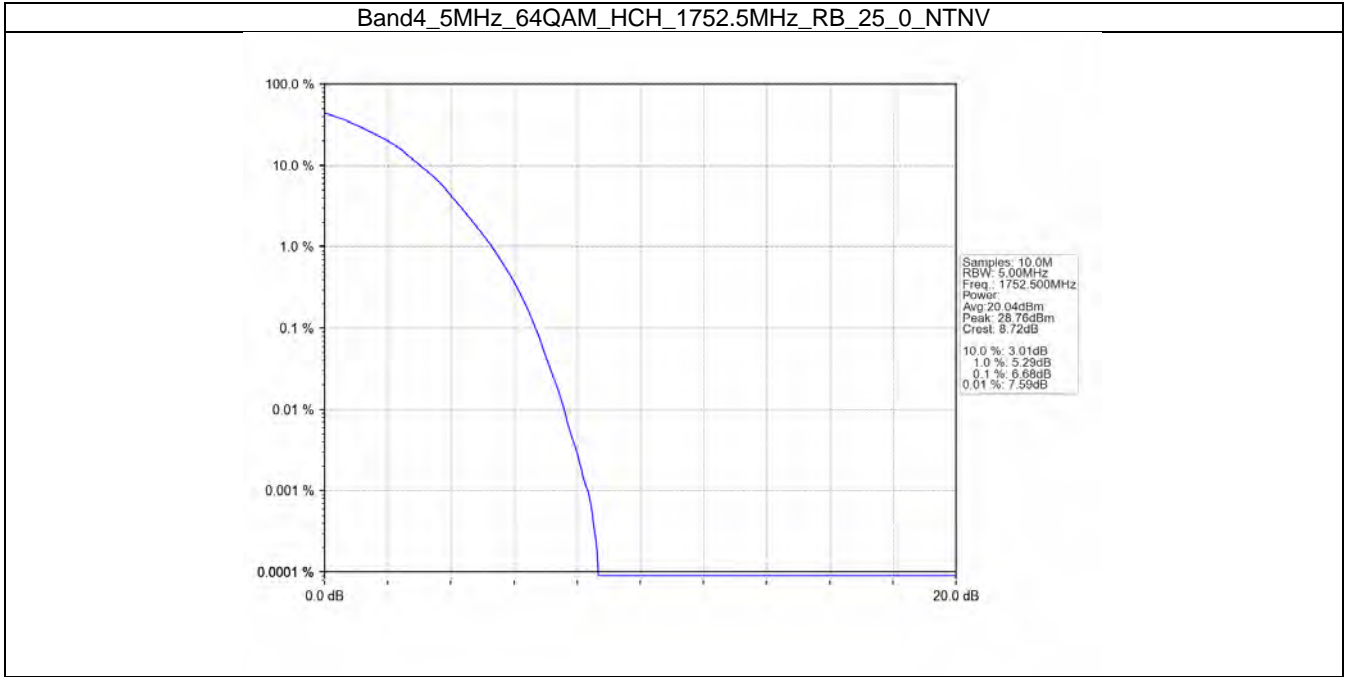
Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888      f(86-512)57370818      www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888      f(86-512)57370818      sgs.china@sgs.com



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

5.4 B4\_10MHz

5.4.1 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	5.37	<=13	Pass
	1732.5	50	0	5.41	<=13	Pass
	1750	50	0	5.35	<=13	Pass
16QAM	1715	50	0	6.66	<=13	Pass
	1732.5	50	0	6.63	<=13	Pass
	1750	50	0	6.69	<=13	Pass
64QAM	1715	50	0	6.77	<=13	Pass
	1732.5	50	0	6.74	<=13	Pass
	1750	50	0	6.77	<=13	Pass



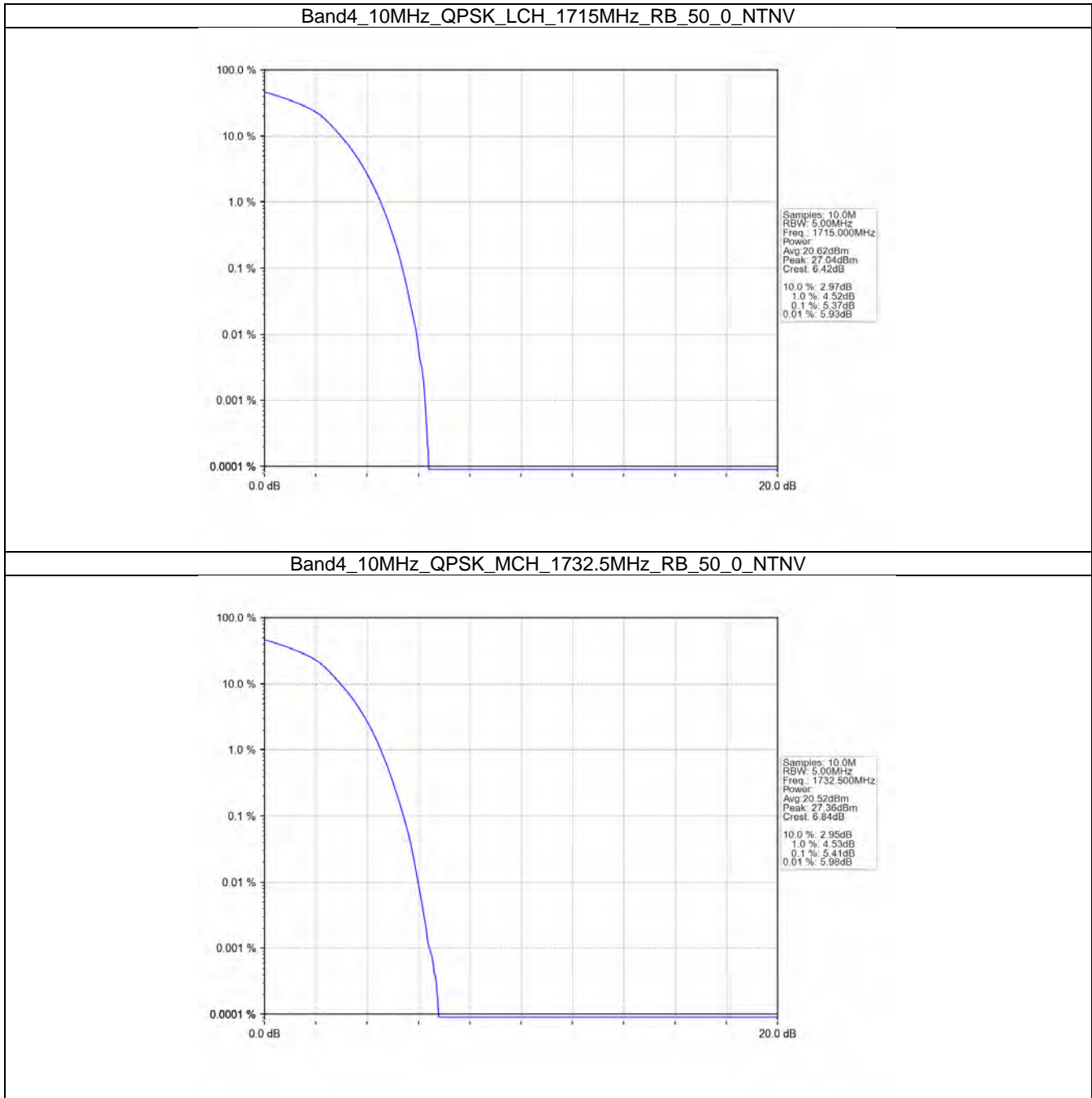
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

No.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

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn  
 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

5.4.2 Test Graph

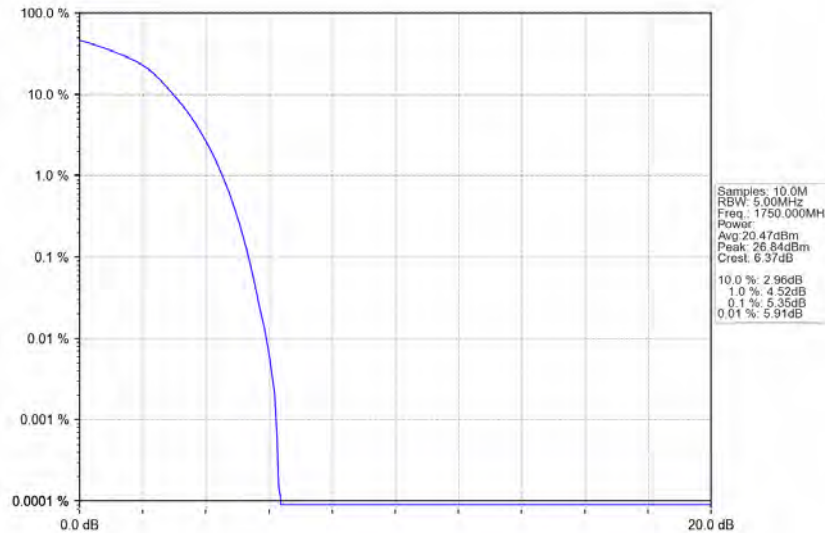


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

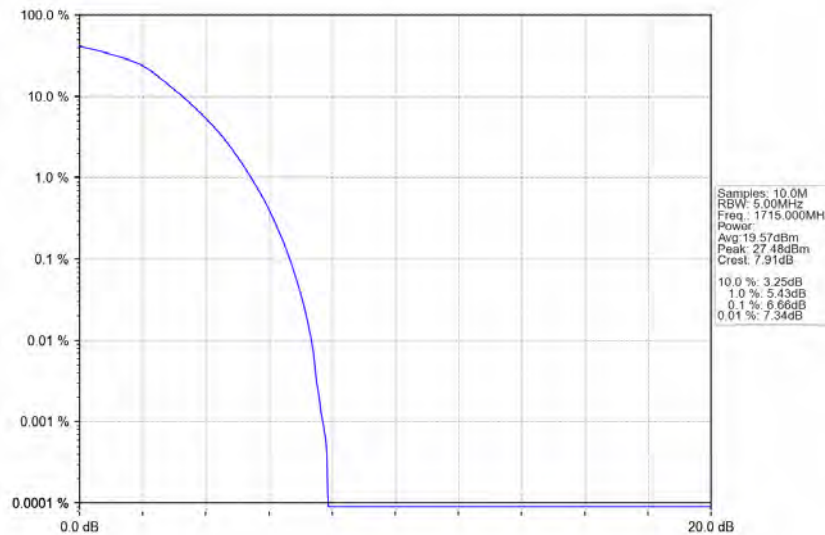
**Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgs.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com

Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



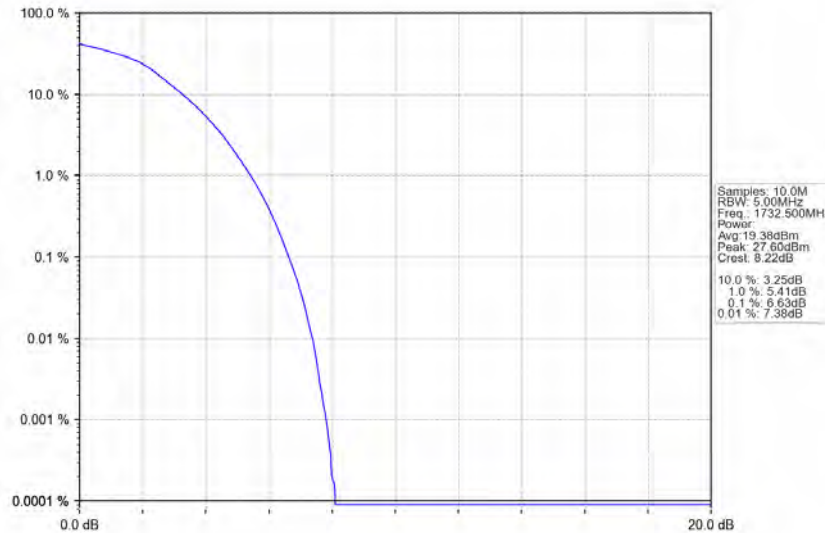
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

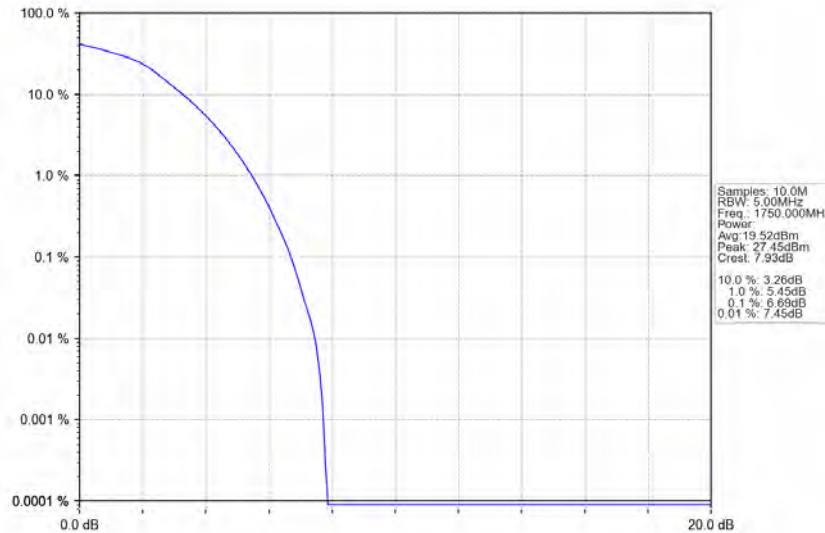
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn  
 t(86-512)57355888 f(86-512)57370818 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 /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)

No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300      t(86-512)57355888    f(86-512)57370818    www.sgsgroup.com.cn  
 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300      t(86-512)57355888    f(86-512)57370818    sgs.china@sgs.com