

Appendix B.1

LTE Band 48



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

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

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B48_5MHz_EIRP

Band: 48 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3552.5	1	0	23.57	14	37.57	/	Pass		
			13	23.62	14	37.62	/	Pass		
			24	23.61	14	37.61	/	Pass		
		12	0	22.66	14	36.66	/	Pass		
			6	22.57	14	36.57	/	Pass		
			13	22.53	14	36.53	/	Pass		
		25	0	22.51	14	36.51	/	Pass		
		3625	1	0	23.37	14	37.37	/	Pass	
				13	23.47	14	37.47	/	Pass	
	24			23.49	14	37.49	/	Pass		
	12		0	22.43	14	36.43	/	Pass		
			6	22.52	14	36.52	/	Pass		
			13	22.48	14	36.48	/	Pass		
	25		0	22.33	14	36.33	/	Pass		
	3697.5		1	0	23.69	14	37.69	/	Pass	
				13	23.85	14	37.85	/	Pass	
		24		23.83	14	37.83	/	Pass		
		12	0	22.77	14	36.77	/	Pass		
			6	22.81	14	36.81	/	Pass		
			13	22.86	14	36.86	/	Pass		
		25	0	22.77	14	36.77	/	Pass		
		16QAM	3552.5	1	0	22.53	14	36.53	/	Pass
					13	22.48	14	36.48	/	Pass
	24				22.56	14	36.56	/	Pass	
12	0			21.68	14	35.68	/	Pass		
	6			21.69	14	35.69	/	Pass		
	13			21.69	14	35.69	/	Pass		
25	0			21.65	14	35.65	/	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Wireless Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

	3625	1	0	22.28	14	36.28	/	Pass	
			13	22.42	14	36.42	/	Pass	
			24	22.45	14	36.45	/	Pass	
		12	0	21.34	14	35.34	/	Pass	
			6	21.4	14	35.4	/	Pass	
			13	21.38	14	35.38	/	Pass	
		25	0	21.26	14	35.26	/	Pass	
		3697.5	1	0	22.72	14	36.72	/	Pass
				13	22.81	14	36.81	/	Pass
	24			22.85	14	36.85	/	Pass	
	12		0	21.78	14	35.78	/	Pass	
			6	21.7	14	35.7	/	Pass	
			13	21.86	14	35.86	/	Pass	
	25	0	21.71	14	35.71	/	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B48_5MHz_EIRP/10MHz

Band: 48 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3552.5	1	0	21.68	14	35.68	<=47	Pass	
			13	21.72	14	35.72	<=47	Pass	
			24	21.3	14	35.3	<=47	Pass	
		12	0	20.18	14	34.18	<=47	Pass	
			6	20.65	14	34.65	<=47	Pass	
			13	20.59	14	34.59	<=47	Pass	
		25	0	20.27	14	34.27	<=47	Pass	
		3625	1	0	21.09	14	35.09	<=47	Pass
				13	21.44	14	35.44	<=47	Pass
	24			21.44	14	35.44	<=47	Pass	
	12		0	20.54	14	34.54	<=47	Pass	
			6	20.59	14	34.59	<=47	Pass	
			13	20.41	14	34.41	<=47	Pass	
	25	0	20.48	14	34.48	<=47	Pass		
	3697.5	1	0	22.15	14	36.15	<=47	Pass	
			13	22.59	14	36.59	<=47	Pass	
			24	22.04	14	36.04	<=47	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

		12	0	21.04	14	35.04	<=47	Pass	
			6	20.98	14	34.98	<=47	Pass	
			13	21.05	14	35.05	<=47	Pass	
		25	0	20.93	14	34.93	<=47	Pass	
16QAM	3552.5	1	0	20.29	14	34.29	<=47	Pass	
			13	20.43	14	34.43	<=47	Pass	
			24	21.12	14	35.12	<=47	Pass	
		12	0	19.34	14	33.34	<=47	Pass	
			6	19.14	14	33.14	<=47	Pass	
			13	19.53	14	33.53	<=47	Pass	
		25	0	19.62	14	33.62	<=47	Pass	
		3625	1	0	20.35	14	34.35	<=47	Pass
				13	20.55	14	34.55	<=47	Pass
	24			20.49	14	34.49	<=47	Pass	
	12		0	19.3	14	33.3	<=47	Pass	
			6	19.58	14	33.58	<=47	Pass	
			13	19.34	14	33.34	<=47	Pass	
	25		0	19.34	14	33.34	<=47	Pass	
	3697.5		1	0	20.9	14	34.9	<=47	Pass
				13	21.15	14	35.15	<=47	Pass
		24		21.29	14	35.29	<=47	Pass	
		12	0	19.87	14	33.87	<=47	Pass	
			6	20.28	14	34.28	<=47	Pass	
			13	19.87	14	33.87	<=47	Pass	
		25	0	19.91	14	33.91	<=47	Pass	

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

1.1.3 B48_5MHz_E.I.R.PSD

Band: 48 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	19.37	14	33.37	<=37	Pass
			13	18.94	14	32.94	<=37	Pass
			24	19.68	14	33.68	<=37	Pass
		12	0	8.1	14	22.1	<=37	Pass
			6	8.23	14	22.23	<=37	Pass
			13	8.41	14	22.41	<=37	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

	3625	25	0	5.13	14	19.13	<=37	Pass		
		1	0	19.02	14	33.02	<=37	Pass		
			13	19.04	14	33.04	<=37	Pass		
			24	19.03	14	33.03	<=37	Pass		
		12	0	8.19	14	22.19	<=37	Pass		
			6	8.05	14	22.05	<=37	Pass		
			13	7.96	14	21.96	<=37	Pass		
		25	0	5.09	14	19.09	<=37	Pass		
		3697.5	1	0	19.77	14	33.77	<=37	Pass	
	13			19.9	14	33.9	<=37	Pass		
	24			19.37	14	33.37	<=37	Pass		
	12		0	8.37	14	22.37	<=37	Pass		
			6	8.67	14	22.67	<=37	Pass		
			13	8.58	14	22.58	<=37	Pass		
	25		0	5.45	14	19.45	<=37	Pass		
	16QAM		3552.5	1	0	18.96	14	32.96	<=37	Pass
					13	16.04	14	30.04	<=37	Pass
		24			17.54	14	31.54	<=37	Pass	
12		0		7.22	14	21.22	<=37	Pass		
		6		7.52	14	21.52	<=37	Pass		
		13		7.46	14	21.46	<=37	Pass		
25		0		4.62	14	18.62	<=37	Pass		
3625		1		0	18.07	14	32.07	<=37	Pass	
				13	18.09	14	32.09	<=37	Pass	
			24	18.32	14	32.32	<=37	Pass		
		12	0	6.95	14	20.95	<=37	Pass		
			6	7.12	14	21.12	<=37	Pass		
			13	7.08	14	21.08	<=37	Pass		
		25	0	3.8	14	17.8	<=37	Pass		
		3697.5	1	0	18.51	14	32.51	<=37	Pass	
				13	18.7	14	32.7	<=37	Pass	
24				18.97	14	32.97	<=37	Pass		
12			0	7.98	14	21.98	<=37	Pass		
	6		8.13	14	22.13	<=37	Pass			
	13		7.97	14	21.97	<=37	Pass			
25	0		4.2	14	18.2	<=37	Pass			

Note1: E.I.R.PSD=Conducted Power+Antenna Gain



1.1.4 B48_10MHz_EIRP

Band: 48 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3555	1	0	22.56	14	36.56	/	Pass	
			25	22.52	14	36.52	/	Pass	
			49	22.46	14	36.46	/	Pass	
		25	0	21.62	14	35.62	/	Pass	
			13	21.67	14	35.67	/	Pass	
			25	21.64	14	35.64	/	Pass	
	50	0	21.6	14	35.6	/	Pass		
	3625	1	0	22.44	14	36.44	/	Pass	
			25	22.4	14	36.4	/	Pass	
			49	22.36	14	36.36	/	Pass	
		25	0	21.55	14	35.55	/	Pass	
			13	21.53	14	35.53	/	Pass	
			25	21.62	14	35.62	/	Pass	
	50	0	21.39	14	35.39	/	Pass		
	3695	1	0	22.59	14	36.59	/	Pass	
			25	22.43	14	36.43	/	Pass	
			49	22.47	14	36.47	/	Pass	
		25	0	21.75	14	35.75	/	Pass	
			13	21.86	14	35.86	/	Pass	
			25	21.9	14	35.9	/	Pass	
	50	0	21.88	14	35.88	/	Pass		
	16QAM	3555	1	0	21.5	14	35.5	/	Pass
				25	21.58	14	35.58	/	Pass
				49	21.41	14	35.41	/	Pass
25			0	20.65	14	34.65	/	Pass	
			13	20.7	14	34.7	/	Pass	
			25	20.66	14	34.66	/	Pass	
50		0	20.67	14	34.67	/	Pass		
3625		1	0	21.43	14	35.43	/	Pass	
			25	21.43	14	35.43	/	Pass	
			49	21.54	14	35.54	/	Pass	
		25	0	20.42	14	34.42	/	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

			13	20.38	14	34.38	/	Pass	
			25	20.47	14	34.47	/	Pass	
		50	0	20.38	14	34.38	/	Pass	
	3695	1		0	21.97	14	35.97	/	Pass
				25	21.86	14	35.86	/	Pass
				49	21.89	14	35.89	/	Pass
		25		0	20.82	14	34.82	/	Pass
				13	20.9	14	34.9	/	Pass
				25	20.93	14	34.93	/	Pass
		50	0	20.78	14	34.78	/	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B48_10MHz_EIRP/10MHz

Band: 48 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3555	1		0	21.82	14	35.82	<=47	Pass	
				25	22.08	14	36.08	<=47	Pass	
				49	18.9	14	32.9	<=47	Pass	
		25		0	20.8	14	34.8	<=47	Pass	
				13	21.05	14	35.05	<=47	Pass	
				25	21.03	14	35.03	<=47	Pass	
			50	0	21.01	14	35.01	<=47	Pass	
		3625	1		0	21.3	14	35.3	<=47	Pass
					25	21.24	14	35.24	<=47	Pass
				49	21.2	14	35.2	<=47	Pass	
	25			0	20.44	14	34.44	<=47	Pass	
				13	20.24	14	34.24	<=47	Pass	
				25	20.38	14	34.38	<=47	Pass	
			50	0	20.43	14	34.43	<=47	Pass	
	3695		1		0	21.48	14	35.48	<=47	Pass
					25	21.38	14	35.38	<=47	Pass
				49	21.44	14	35.44	<=47	Pass	
		25		0	20.48	14	34.48	<=47	Pass	
				13	20.71	14	34.71	<=47	Pass	
				25	20.94	14	34.94	<=47	Pass	
			50	0	20.66	14	34.66	<=47	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

16QAM	3555	1	0	20.93	14	34.93	<=47	Pass	
			25	20.88	14	34.88	<=47	Pass	
			49	20.45	14	34.45	<=47	Pass	
		25	0	20.17	14	34.17	<=47	Pass	
			13	20.34	14	34.34	<=47	Pass	
			25	20.13	14	34.13	<=47	Pass	
		50	0	19.82	14	33.82	<=47	Pass	
		3625	1	0	20.16	14	34.16	<=47	Pass
				25	20.23	14	34.23	<=47	Pass
	49			20.33	14	34.33	<=47	Pass	
	25		0	19.17	14	33.17	<=47	Pass	
			13	19.13	14	33.13	<=47	Pass	
			25	19.22	14	33.22	<=47	Pass	
	50		0	18.98	14	32.98	<=47	Pass	
	3695		1	0	20.41	14	34.41	<=47	Pass
				25	20.73	14	34.73	<=47	Pass
		49		20.85	14	34.85	<=47	Pass	
		25	0	19.51	14	33.51	<=47	Pass	
			13	19.6	14	33.6	<=47	Pass	
			25	19.84	14	33.84	<=47	Pass	
		50	0	19.72	14	33.72	<=47	Pass	

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

1.1.6 B48_10MHz_E.I.R.PSD

Band: 48 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	22.04	14	36.04	<=37	Pass
			25	22.1	14	36.1	<=37	Pass
			49	22.38	14	36.38	<=37	Pass
		25	0	15.06	14	29.06	<=37	Pass
			13	15.27	14	29.27	<=37	Pass
			25	15.04	14	29.04	<=37	Pass
	50	0	12.19	14	26.19	<=37	Pass	
	3625	1	0	21.33	14	35.33	<=37	Pass
			25	21.48	14	35.48	<=37	Pass
			49	21.33	14	35.33	<=37	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

16QAM	3695	25	0	14.59	14	28.59	<=37	Pass	
			13	14.44	14	28.44	<=37	Pass	
			25	14.6	14	28.6	<=37	Pass	
		50	0	11.45	14	25.45	<=37	Pass	
			1	0	21.64	14	35.64	<=37	Pass
				25	21.24	14	35.24	<=37	Pass
	49	21.36		14	35.36	<=37	Pass		
	3555	25	0	14.77	14	28.77	<=37	Pass	
			13	14.62	14	28.62	<=37	Pass	
			25	15.37	14	29.37	<=37	Pass	
		50	0	11.99	14	25.99	<=37	Pass	
			1	0	21.42	14	35.42	<=37	Pass
				25	20.58	14	34.58	<=37	Pass
	49	20.69		14	34.69	<=37	Pass		
	3625	25	0	14.35	14	28.35	<=37	Pass	
			13	14.12	14	28.12	<=37	Pass	
			25	14.36	14	28.36	<=37	Pass	
		50	0	11.36	14	25.36	<=37	Pass	
1			0	20.35	14	34.35	<=37	Pass	
			25	20.05	14	34.05	<=37	Pass	
		49	20.64	14	34.64	<=37	Pass		
3695		25	0	13.3	14	27.3	<=37	Pass	
			13	13.25	14	27.25	<=37	Pass	
			25	13.36	14	27.36	<=37	Pass	
		50	0	10.28	14	24.28	<=37	Pass	
			1	0	20.56	14	34.56	<=37	Pass
	25			20.59	14	34.59	<=37	Pass	
49	20.7	14		34.7	<=37	Pass			
3695	25	0	13.79	14	27.79	<=37	Pass		
		13	14.01	14	28.01	<=37	Pass		
		25	14.11	14	28.11	<=37	Pass		
	50	0	11.03	14	25.03	<=37	Pass		

Note1: E.I.R.PSD=Conducted Power+Antenna Gain

1.1.7 B48_15MHz_EIRP

Band: 48 / Bandwidth: 15MHz / NTV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict



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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Wireless Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit		
QPSK	3557.5	1	0	22.18	14	36.18	/	Pass	
			38	22.3	14	36.3	/	Pass	
			74	22.27	14	36.27	/	Pass	
		36	0	21.28	14	35.28	/	Pass	
			18	21.39	14	35.39	/	Pass	
			39	21.43	14	35.43	/	Pass	
		75	0	21.38	14	35.38	/	Pass	
		3625	1	0	22.23	14	36.23	/	Pass
				38	22.23	14	36.23	/	Pass
	74			22.22	14	36.22	/	Pass	
	36		0	21.22	14	35.22	/	Pass	
			18	21.17	14	35.17	/	Pass	
			39	21.3	14	35.3	/	Pass	
	75		0	21.17	14	35.17	/	Pass	
	3692.5		1	0	22.55	14	36.55	/	Pass
				38	22.62	14	36.62	/	Pass
		74		22.64	14	36.64	/	Pass	
		36	0	21.53	14	35.53	/	Pass	
			18	21.59	14	35.59	/	Pass	
			39	21.72	14	35.72	/	Pass	
		75	0	21.63	14	35.63	/	Pass	
16QAM		3557.5	1	0	21.23	14	35.23	/	Pass
				38	21.4	14	35.4	/	Pass
	74			21.25	14	35.25	/	Pass	
	36		0	20.29	14	34.29	/	Pass	
			18	20.38	14	34.38	/	Pass	
			39	20.38	14	34.38	/	Pass	
	75		0	20.37	14	34.37	/	Pass	
	3625		1	0	21.31	14	35.31	/	Pass
				38	21.26	14	35.26	/	Pass
		74		21.37	14	35.37	/	Pass	
		36	0	20.17	14	34.17	/	Pass	
			18	20.17	14	34.17	/	Pass	
			39	20.3	14	34.3	/	Pass	
		75	0	20.22	14	34.22	/	Pass	
		3692.5	1	0	21.46	14	35.46	/	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

	36	38	21.73	14	35.73	/	Pass
		74	21.61	14	35.61	/	Pass
		0	20.52	14	34.52	/	Pass
		18	20.61	14	34.61	/	Pass
		39	20.71	14	34.71	/	Pass
		75	0	20.58	14	34.58	/
Note1: EIRP=Conducted Power+Antenna Gain							

1.1.8 B48_15MHz_EIRP/10MHz

Band: 48 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3557.5	1	0	22.19	14	36.19	<=47	Pass		
			38	20.45	14	34.45	<=47	Pass		
			74	20.07	14	34.07	<=47	Pass		
		36	0	19.47	14	33.47	<=47	Pass		
			18	19.4	14	33.4	<=47	Pass		
			39	19.27	14	33.27	<=47	Pass		
		75	0	18.12	14	32.12	<=47	Pass		
		3625	1	0	19.46	14	33.46	<=47	Pass	
				38	19.1	14	33.1	<=47	Pass	
	74			19.31	14	33.31	<=47	Pass		
	36		0	18.19	14	32.19	<=47	Pass		
			18	18.31	14	32.31	<=47	Pass		
			39	18.31	14	32.31	<=47	Pass		
	75		0	16.99	14	30.99	<=47	Pass		
	3692.5		1	0	19.46	14	33.46	<=47	Pass	
				38	19.94	14	33.94	<=47	Pass	
		74		19.96	14	33.96	<=47	Pass		
		36	0	18.6	14	32.6	<=47	Pass		
			18	18.61	14	32.61	<=47	Pass		
			39	18.78	14	32.78	<=47	Pass		
		75	0	17.31	14	31.31	<=47	Pass		
		16QAM	3557.5	1	0	19.64	14	33.64	<=47	Pass
					38	19.73	14	33.73	<=47	Pass
	74				19.04	14	33.04	<=47	Pass	
36	0			18.66	14	32.66	<=47	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

		18	18.53	14	32.53	<=47	Pass	
			39	18.53	14	32.53	<=47	Pass
		75	0	17.35	14	31.35	<=47	Pass
	3625	1	0	18.32	14	32.32	<=47	Pass
			38	18.24	14	32.24	<=47	Pass
			74	18.33	14	32.33	<=47	Pass
		36	0	17.29	14	31.29	<=47	Pass
			18	17.3	14	31.3	<=47	Pass
			39	17.36	14	31.36	<=47	Pass
	75	0	15.95	14	29.95	<=47	Pass	
	3692.5	1	0	18.58	14	32.58	<=47	Pass
			38	18.67	14	32.67	<=47	Pass
			74	18.82	14	32.82	<=47	Pass
		36	0	17.65	14	31.65	<=47	Pass
			18	17.74	14	31.74	<=47	Pass
			39	17.71	14	31.71	<=47	Pass
		75	0	16.21	14	30.21	<=47	Pass

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

1.1.9 B48_15MHz_E.I.R.PSD

Band: 48 / Bandwidth: 15MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3557.5	1	0	22.37	14	36.37	<=37	Pass	
			38	20.62	14	34.62	<=37	Pass	
			74	20.31	14	34.31	<=37	Pass	
		36	0	12.36	14	26.36	<=37	Pass	
			18	12.1	14	26.1	<=37	Pass	
			39	12.05	14	26.05	<=37	Pass	
		75	0	9.21	14	23.21	<=37	Pass	
		3625	1	0	19.25	14	33.25	<=37	Pass
				38	19.48	14	33.48	<=37	Pass
	74			19.46	14	33.46	<=37	Pass	
	36		0	10.93	14	24.93	<=37	Pass	
			18	11.08	14	25.08	<=37	Pass	
			39	10.95	14	24.95	<=37	Pass	
	75		0	7.91	14	21.91	<=37	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Wireless Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

	3692.5	1	0	19.62	14	33.62	<=37	Pass		
			38	19.81	14	33.81	<=37	Pass		
			74	20.22	14	34.22	<=37	Pass		
		36	0	11.2	14	25.2	<=37	Pass		
			18	11.18	14	25.18	<=37	Pass		
			39	11.5	14	25.5	<=37	Pass		
		75	0	8.21	14	22.21	<=37	Pass		
		16QAM	3557.5	1	0	19.35	14	33.35	<=37	Pass
					38	19.52	14	33.52	<=37	Pass
					74	19.52	14	33.52	<=37	Pass
				36	0	11.15	14	25.15	<=37	Pass
					18	11.32	14	25.32	<=37	Pass
39	11.17				14	25.17	<=37	Pass		
75	0			8.21	14	22.21	<=37	Pass		
3625	1			0	18.49	14	32.49	<=37	Pass	
				38	18.77	14	32.77	<=37	Pass	
				74	18.77	14	32.77	<=37	Pass	
	36			0	9.93	14	23.93	<=37	Pass	
				18	10.04	14	24.04	<=37	Pass	
			39	10.1	14	24.1	<=37	Pass		
	75		0	6.89	14	20.89	<=37	Pass		
	3692.5		1	0	18.8	14	32.8	<=37	Pass	
				38	19.07	14	33.07	<=37	Pass	
				74	19.2	14	33.2	<=37	Pass	
			36	0	10.41	14	24.41	<=37	Pass	
				18	10.23	14	24.23	<=37	Pass	
39				10.45	14	24.45	<=37	Pass		
75			0	7.21	14	21.21	<=37	Pass		

Note1: E.I.R.PSD=Conducted Power+Antenna Gain

1.1.10 B48_20MHz_EIRP

Band: 48 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3560	1	0		22.3	14	36.3	/	Pass
			50		22.36	14	36.36	/	Pass
			99		22.21	14	36.21	/	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

	50	0	21.33	14	35.33	/	Pass		
		25	21.43	14	35.43	/	Pass		
		50	21.4	14	35.4	/	Pass		
	100	0	21.41	14	35.41	/	Pass		
	3625	1	0	22.3	14	36.3	/	Pass	
			50	22.22	14	36.22	/	Pass	
			99	22.24	14	36.24	/	Pass	
		50	0	21.18	14	35.18	/	Pass	
			25	21.25	14	35.25	/	Pass	
			50	21.33	14	35.33	/	Pass	
	100	0	21.25	14	35.25	/	Pass		
	3690	1	0	22.47	14	36.47	/	Pass	
			50	22.63	14	36.63	/	Pass	
			99	22.62	14	36.62	/	Pass	
		50	0	21.55	14	35.55	/	Pass	
			25	21.7	14	35.7	/	Pass	
			50	21.7	14	35.7	/	Pass	
	100	0	21.67	14	35.67	/	Pass		
	16QAM	3560	1	0	21.28	14	35.28	/	Pass
				50	21.34	14	35.34	/	Pass
				99	21.22	14	35.22	/	Pass
50			0	20.31	14	34.31	/	Pass	
			25	20.42	14	34.42	/	Pass	
			50	20.38	14	34.38	/	Pass	
100		0	20.38	14	34.38	/	Pass		
3625		1	0	21.41	14	35.41	/	Pass	
			50	21.28	14	35.28	/	Pass	
			99	21.33	14	35.33	/	Pass	
		50	0	20.21	14	34.21	/	Pass	
			25	20.24	14	34.24	/	Pass	
			50	20.31	14	34.31	/	Pass	
100		0	20.23	14	34.23	/	Pass		
3690		1	0	21.5	14	35.5	/	Pass	
			50	21.7	14	35.7	/	Pass	
			99	21.57	14	35.57	/	Pass	
		50	0	20.5	14	34.5	/	Pass	
			25	20.61	14	34.61	/	Pass	



		50	20.72	14	34.72	/	Pass
		100	0	20.61	14	34.61	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.11 B48_20MHz_EIRP/10MHz

Band: 48 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3560	1	0	20.83	14	34.83	<=47	Pass	
			50	20.62	14	34.62	<=47	Pass	
			99	20.07	14	34.07	<=47	Pass	
		50	0	19.57	14	33.57	<=47	Pass	
			25	19.78	14	33.78	<=47	Pass	
			50	19.38	14	33.38	<=47	Pass	
	100	0	17.13	14	31.13	<=47	Pass		
	3625	1	0	18.46	14	32.46	<=47	Pass	
			50	18.65	14	32.65	<=47	Pass	
			99	18.37	14	32.37	<=47	Pass	
		50	0	17.72	14	31.72	<=47	Pass	
			25	17.57	14	31.57	<=47	Pass	
			50	17.75	14	31.75	<=47	Pass	
	100	0	17.76	14	31.76	<=47	Pass		
	3690	1	0	18.41	14	32.41	<=47	Pass	
			50	18.72	14	32.72	<=47	Pass	
			99	18.84	14	32.84	<=47	Pass	
		50	0	17.49	14	31.49	<=47	Pass	
			25	17.74	14	31.74	<=47	Pass	
			50	17.79	14	31.79	<=47	Pass	
	100	0	15.16	14	29.16	<=47	Pass		
	16QAM	3560	1	0	19.92	14	33.92	<=47	Pass
				50	19.87	14	33.87	<=47	Pass
				99	19.22	14	33.22	<=47	Pass
50			0	18.61	14	32.61	<=47	Pass	
			25	18.58	14	32.58	<=47	Pass	
			50	18.5	14	32.5	<=47	Pass	
100		0	15.99	14	29.99	<=47	Pass		
3625		1	0	17.86	14	31.86	<=47	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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch, Wireless Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

		50	50	17.84	14	31.84	<=47	Pass
			99	17.87	14	31.87	<=47	Pass
			0	16.57	14	30.57	<=47	Pass
			25	16.69	14	30.69	<=47	Pass
			50	16.46	14	30.46	<=47	Pass
	100	0	13.95	14	27.95	<=47	Pass	
	3690	1	0	17.84	14	31.84	<=47	Pass
			50	17.9	14	31.9	<=47	Pass
			99	17.95	14	31.95	<=47	Pass
		50	0	16.52	14	30.52	<=47	Pass
			25	16.64	14	30.64	<=47	Pass
			50	16.71	14	30.71	<=47	Pass
		100	0	14.13	14	28.13	<=47	Pass

Note1: EIRP/10MHz=Conducted Power+Antenna Gain

1.1.12 B48_20MHz_E.I.R.PSD

Band: 48 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/MHz)	Gain (dBi)	E.I.R.PSD (dBm/MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	20.37	14	34.37	<=37	Pass
			50	20.72	14	34.72	<=37	Pass
			99	20.13	14	34.13	<=37	Pass
		50	0	10.75	14	24.75	<=37	Pass
			25	10.72	14	24.72	<=37	Pass
			50	10.8	14	24.8	<=37	Pass
	100	0	8.11	14	22.11	<=37	Pass	
	3625	1	0	18.89	14	32.89	<=37	Pass
			50	18.4	14	32.4	<=37	Pass
			99	18.86	14	32.86	<=37	Pass
		50	0	8.68	14	22.68	<=37	Pass
			25	8.77	14	22.77	<=37	Pass
			50	8.68	14	22.68	<=37	Pass
	100	0	9.6	14	23.6	<=37	Pass	
	3690	1	0	18.83	14	32.83	<=37	Pass
			50	18.7	14	32.7	<=37	Pass
			99	19.16	14	33.16	<=37	Pass
		50	0	8.72	14	22.72	<=37	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

			25	8.88	14	22.88	<=37	Pass		
			50	9.14	14	23.14	<=37	Pass		
		100	0	6.12	14	20.12	<=37	Pass		
16QAM	3560	1	0	19.77	14	33.77	<=37	Pass		
			50	19.47	14	33.47	<=37	Pass		
			99	19.86	14	33.86	<=37	Pass		
		50	0	9.92	14	23.92	<=37	Pass		
			25	9.71	14	23.71	<=37	Pass		
			50	9.72	14	23.72	<=37	Pass		
		100	0	7.13	14	21.13	<=37	Pass		
		3625	1	0	17.62	14	31.62	<=37	Pass	
				50	17.69	14	31.69	<=37	Pass	
	99			17.93	14	31.93	<=37	Pass		
	50		0	7.69	14	21.69	<=37	Pass		
			25	7.82	14	21.82	<=37	Pass		
			50	8.18	14	22.18	<=37	Pass		
	100		0	4.83	14	18.83	<=37	Pass		
	3690		1	0	17.93	14	31.93	<=37	Pass	
				50	17.84	14	31.84	<=37	Pass	
		99		17.58	14	31.58	<=37	Pass		
		50	0	7.66	14	21.66	<=37	Pass		
			25	7.74	14	21.74	<=37	Pass		
			50	8.05	14	22.05	<=37	Pass		
		100	0	4.73	14	18.73	<=37	Pass		
		Note1: E.I.R.PSD=Conducted Power+Antenna Gain								



2. Frequency Stability

2.1 Test Result

2.1.1 B48_20MHz

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	20.4	-3.276	-0.0009	-2.5 to 2.5	Pass
					24	-4.148	-0.0012	-2.5 to 2.5	Pass
					27.6	-1.788	-0.0005	-2.5 to 2.5	Pass
				-30	24	1.016	0.0003	-2.5 to 2.5	Pass
				-20	24	-4.849	-0.0014	-2.5 to 2.5	Pass
				-10	24	-0.558	-0.0002	-2.5 to 2.5	Pass
				0	24	-3.648	-0.0010	-2.5 to 2.5	Pass
				10	24	-0.687	-0.0002	-2.5 to 2.5	Pass
				30	24	-5.207	-0.0015	-2.5 to 2.5	Pass
				40	24	0.730	0.0002	-2.5 to 2.5	Pass
	50	24	-0.501	-0.0001	-2.5 to 2.5	Pass			
	3625	100	0	20	20.4	-4.263	-0.0012	-2.5 to 2.5	Pass
					24	-4.935	-0.0014	-2.5 to 2.5	Pass
					27.6	0.272	0.0001	-2.5 to 2.5	Pass
				-30	24	-4.649	-0.0013	-2.5 to 2.5	Pass
				-20	24	-1.159	-0.0003	-2.5 to 2.5	Pass
				-10	24	-5.593	-0.0015	-2.5 to 2.5	Pass
				0	24	-1.373	-0.0004	-2.5 to 2.5	Pass
				10	24	-1.144	-0.0003	-2.5 to 2.5	Pass
				30	24	0.157	0.0000	-2.5 to 2.5	Pass
				40	24	0.043	0.0000	-2.5 to 2.5	Pass
	50	24	-0.672	-0.0002	-2.5 to 2.5	Pass			
	3690	100	0	20	20.4	-2.332	-0.0006	-2.5 to 2.5	Pass
					24	1.588	0.0004	-2.5 to 2.5	Pass
					27.6	1.974	0.0005	-2.5 to 2.5	Pass
				-30	24	-2.260	-0.0006	-2.5 to 2.5	Pass
				-20	24	-2.346	-0.0006	-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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

				-10	24	1.373	0.0004	-2.5 to 2.5	Pass
				0	24	0.830	0.0002	-2.5 to 2.5	Pass
				10	24	-0.186	-0.0001	-2.5 to 2.5	Pass
				30	24	-2.260	-0.0006	-2.5 to 2.5	Pass
				40	24	-1.588	-0.0004	-2.5 to 2.5	Pass
				50	24	1.259	0.0003	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	20.4	-4.663	-0.0013	-2.5 to 2.5	Pass
					24	0.744	0.0002	-2.5 to 2.5	Pass
					27.6	-5.035	-0.0014	-2.5 to 2.5	Pass
				-30	24	-5.136	-0.0014	-2.5 to 2.5	Pass
					-20	24	0.386	0.0001	-2.5 to 2.5
				-10	24	0.415	0.0001	-2.5 to 2.5	Pass
					0	24	-5.493	-0.0015	-2.5 to 2.5
				10	24	-4.563	-0.0013	-2.5 to 2.5	Pass
					30	24	-3.633	-0.0010	-2.5 to 2.5
				40	24	-0.701	-0.0002	-2.5 to 2.5	Pass
	50	24	-4.864		-0.0014	-2.5 to 2.5	Pass		
	3625	100	0	20	20.4	-5.965	-0.0016	-2.5 to 2.5	Pass
					24	-3.147	-0.0009	-2.5 to 2.5	Pass
					27.6	-4.520	-0.0012	-2.5 to 2.5	Pass
				-30	24	0.014	0.0000	-2.5 to 2.5	Pass
					-20	24	-4.921	-0.0014	-2.5 to 2.5
				-10	24	0.486	0.0001	-2.5 to 2.5	Pass
					0	24	0.615	0.0002	-2.5 to 2.5
				10	24	-0.515	-0.0001	-2.5 to 2.5	Pass
					30	24	-4.606	-0.0013	-2.5 to 2.5
				40	24	0.172	0.0000	-2.5 to 2.5	Pass
	50	24	-2.418		-0.0007	-2.5 to 2.5	Pass		
	3690	100	0	20	20.4	-2.117	-0.0006	-2.5 to 2.5	Pass
					24	2.804	0.0008	-2.5 to 2.5	Pass
					27.6	-1.574	-0.0004	-2.5 to 2.5	Pass
				-30	24	-0.901	-0.0002	-2.5 to 2.5	Pass
					-20	24	-2.031	-0.0006	-2.5 to 2.5
				-10	24	2.203	0.0006	-2.5 to 2.5	Pass
					0	24	0.758	0.0002	-2.5 to 2.5
				10	24	0.672	0.0002	-2.5 to 2.5	Pass
30	24	-3.018	-0.0008		-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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

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

				40	24	1.187	0.0003	-2.5 to 2.5	Pass
				50	24	0.429	0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band48_OBW

Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.566	/	Pass
		3625	25	0	4.552	/	Pass
		3697.5	25	0	4.554	/	Pass
	16QAM	3552.5	25	0	4.557	/	Pass
		3625	25	0	4.521	/	Pass
		3697.5	25	0	4.555	/	Pass
10	QPSK	3555	50	0	9.080	/	Pass
		3625	50	0	9.064	/	Pass
		3695	50	0	9.046	/	Pass
	16QAM	3555	50	0	9.101	/	Pass
		3625	50	0	9.064	/	Pass
		3695	50	0	9.052	/	Pass
15	QPSK	3557.5	75	0	13.585	/	Pass
		3625	75	0	13.591	/	Pass
		3692.5	75	0	13.477	/	Pass
	16QAM	3557.5	75	0	13.654	/	Pass
		3625	75	0	13.564	/	Pass
		3692.5	75	0	13.539	/	Pass
20	QPSK	3560	100	0	18.154	/	Pass
		3625	100	0	18.118	/	Pass
		3690	100	0	17.999	/	Pass
	16QAM	3560	100	0	18.085	/	Pass
		3625	100	0	18.003	/	Pass
		3690	100	0	18.099	/	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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

3.1.2 Band48_XDB

Band: 48 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.514	/	Pass
		3625	25	0	4.993	/	Pass
		3697.5	25	0	5.082	/	Pass
	16QAM	3552.5	25	0	5.343	/	Pass
		3625	25	0	4.962	/	Pass
		3697.5	25	0	4.953	/	Pass
10	QPSK	3555	50	0	10.956	/	Pass
		3625	50	0	9.845	/	Pass
		3695	50	0	10.153	/	Pass
	16QAM	3555	50	0	10.644	/	Pass
		3625	50	0	9.683	/	Pass
		3695	50	0	9.667	/	Pass
15	QPSK	3557.5	75	0	15.991	/	Pass
		3625	75	0	14.738	/	Pass
		3692.5	75	0	15.083	/	Pass
	16QAM	3557.5	75	0	16.862	/	Pass
		3625	75	0	14.524	/	Pass
		3692.5	75	0	14.532	/	Pass
20	QPSK	3560	100	0	20.507	/	Pass
		3625	100	0	20.202	/	Pass
		3690	100	0	19.703	/	Pass
	16QAM	3560	100	0	20.067	/	Pass
		3625	100	0	19.667	/	Pass
		3690	100	0	19.762	/	Pass



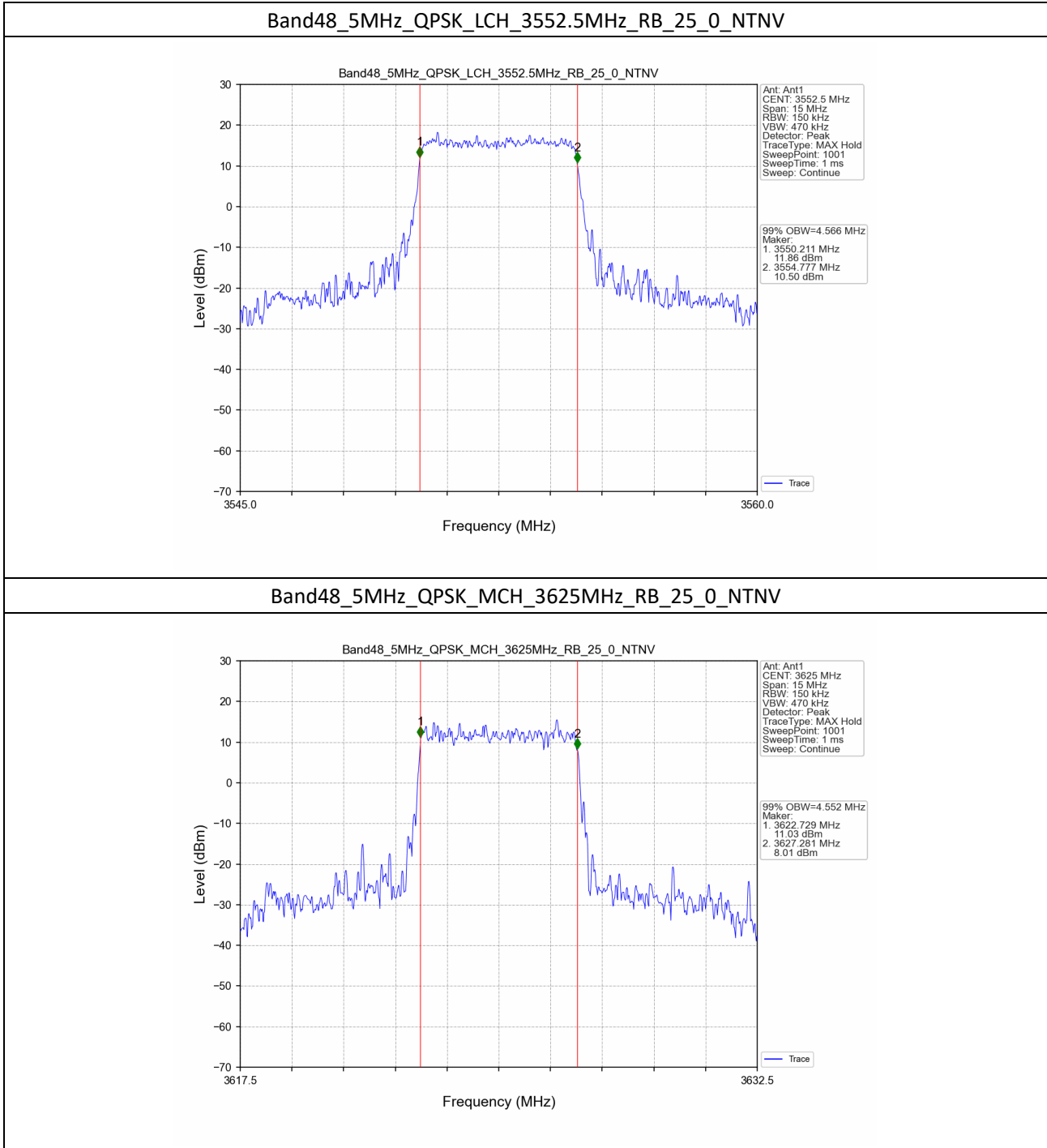
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch, 10/F, Wireless Laboratory
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

3.2 Test Graph

3.2.1 Band48_OBW

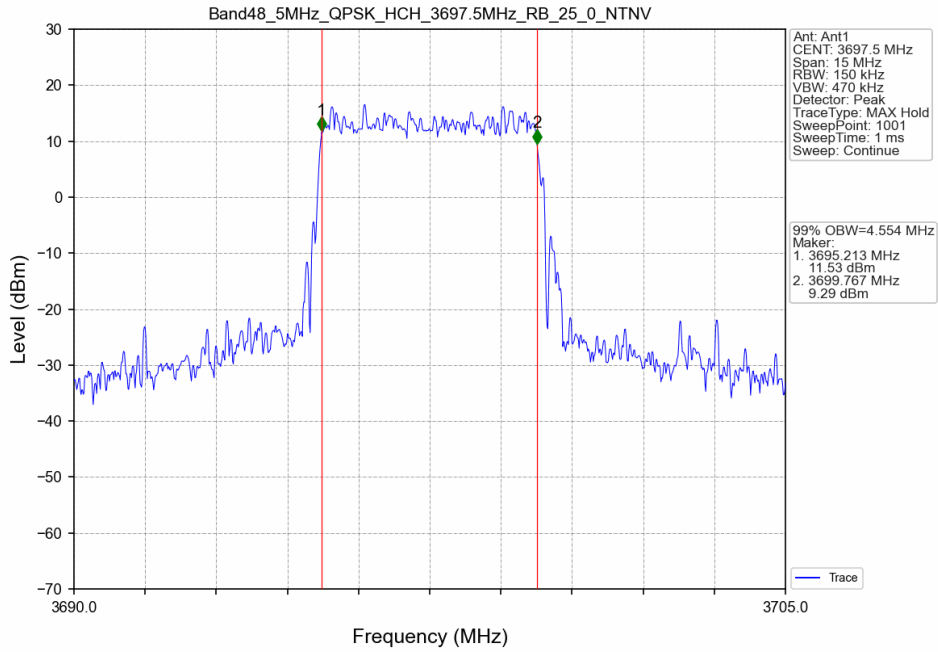


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

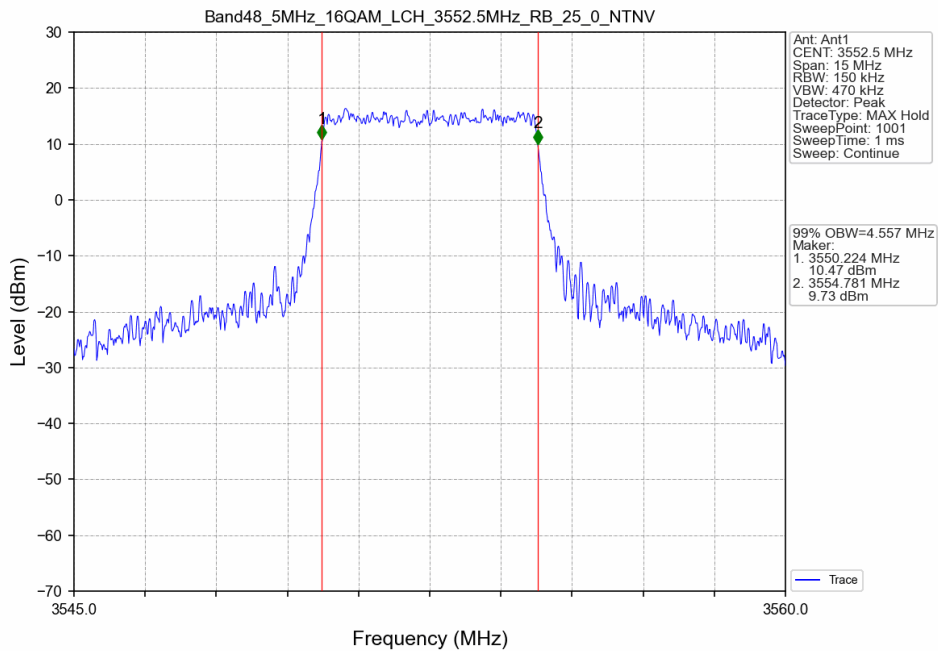
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



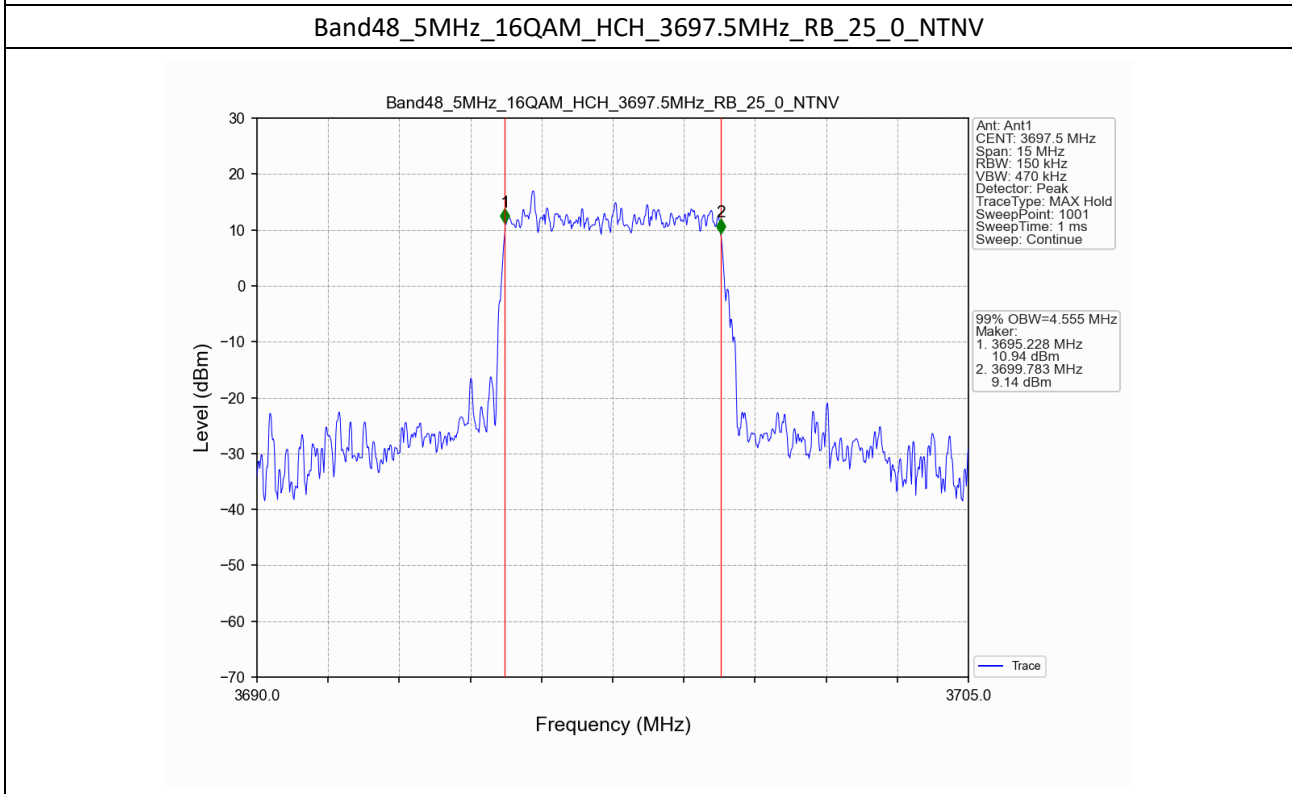
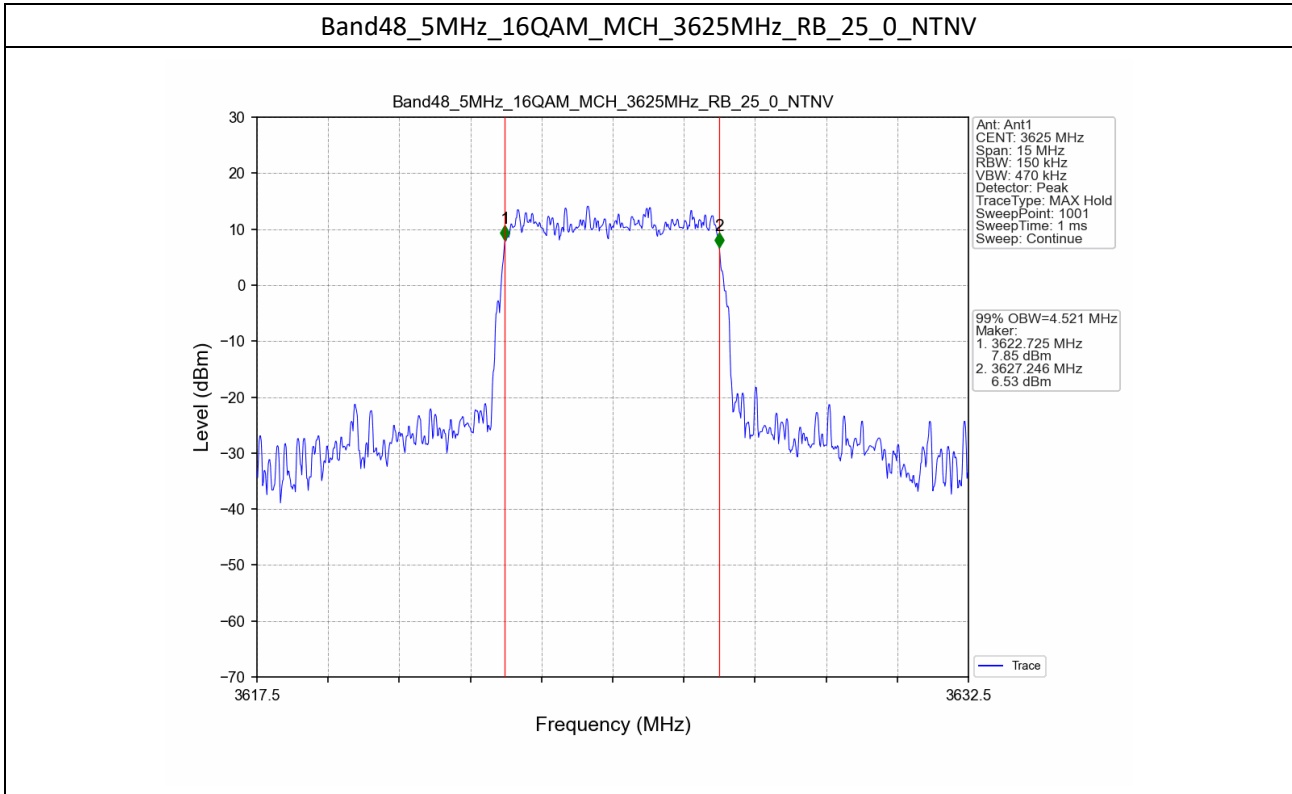
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



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

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

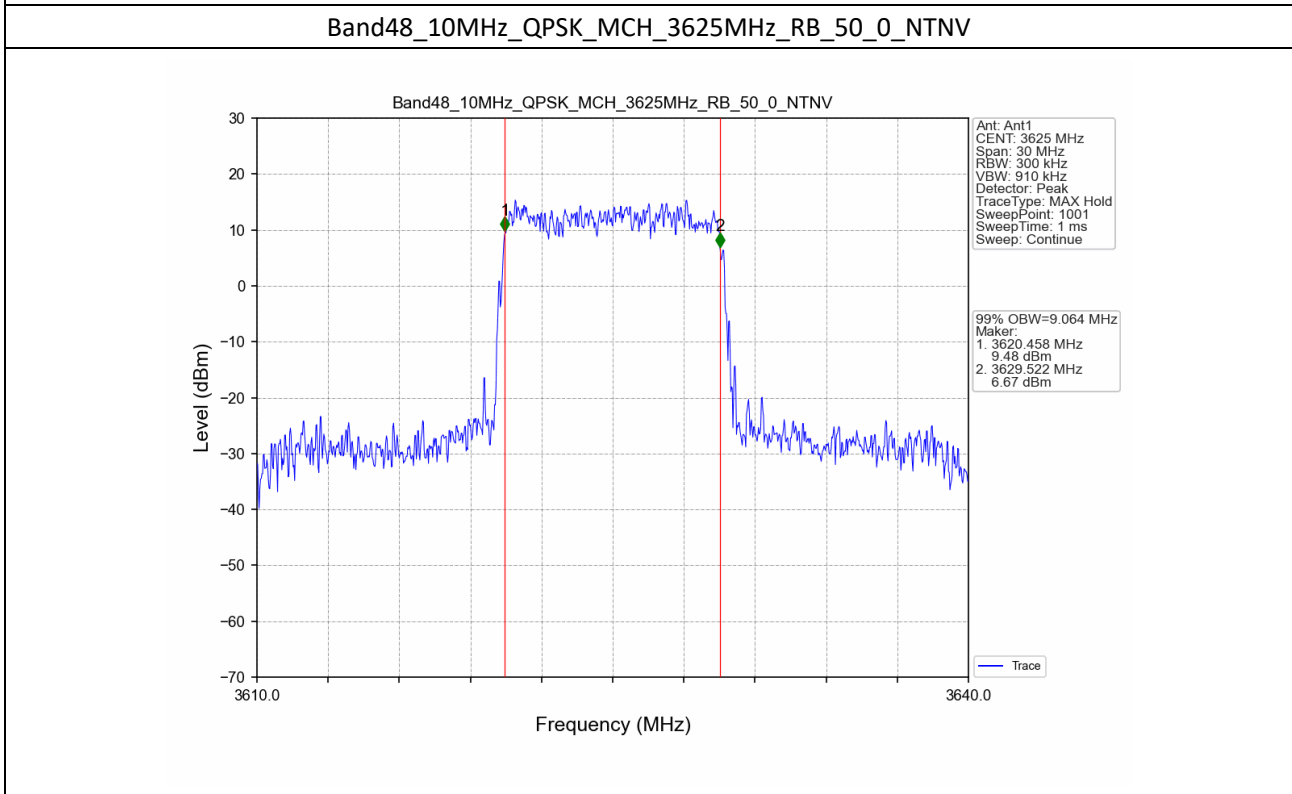
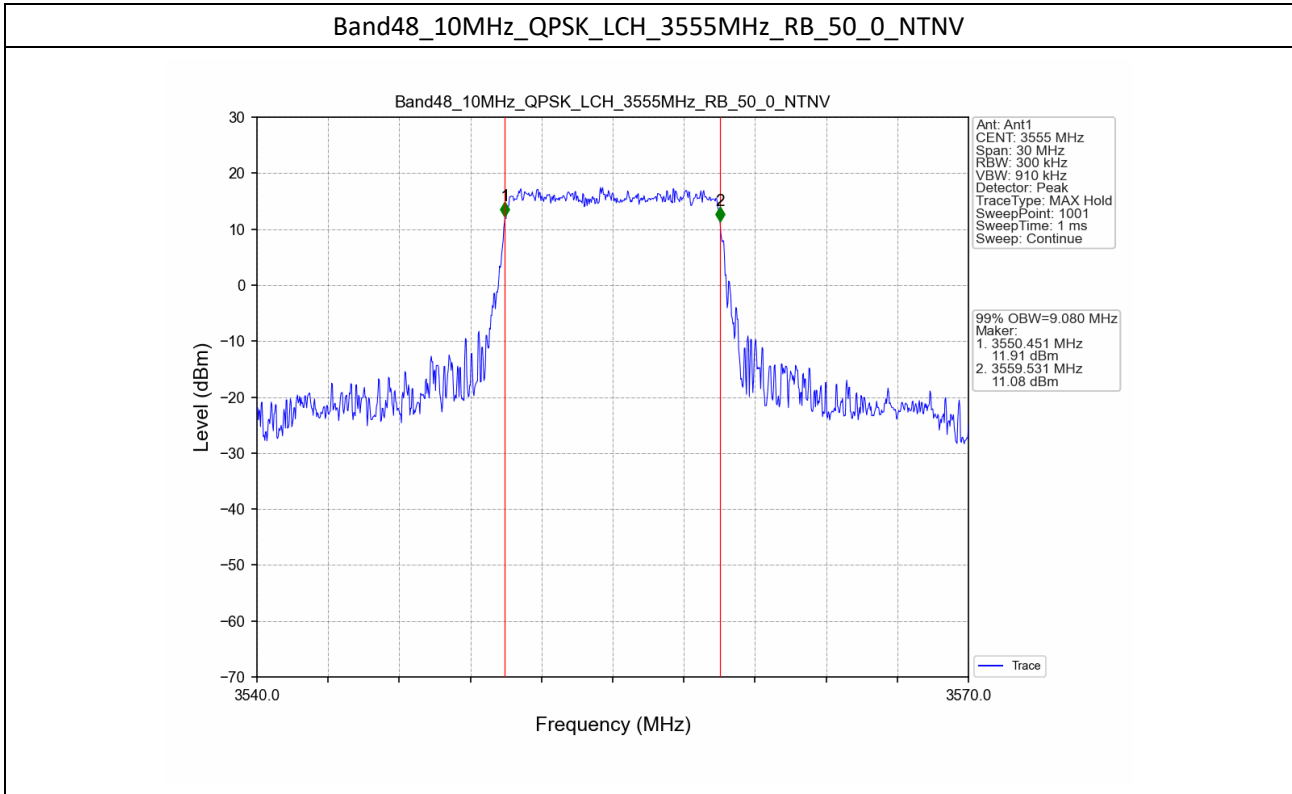
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

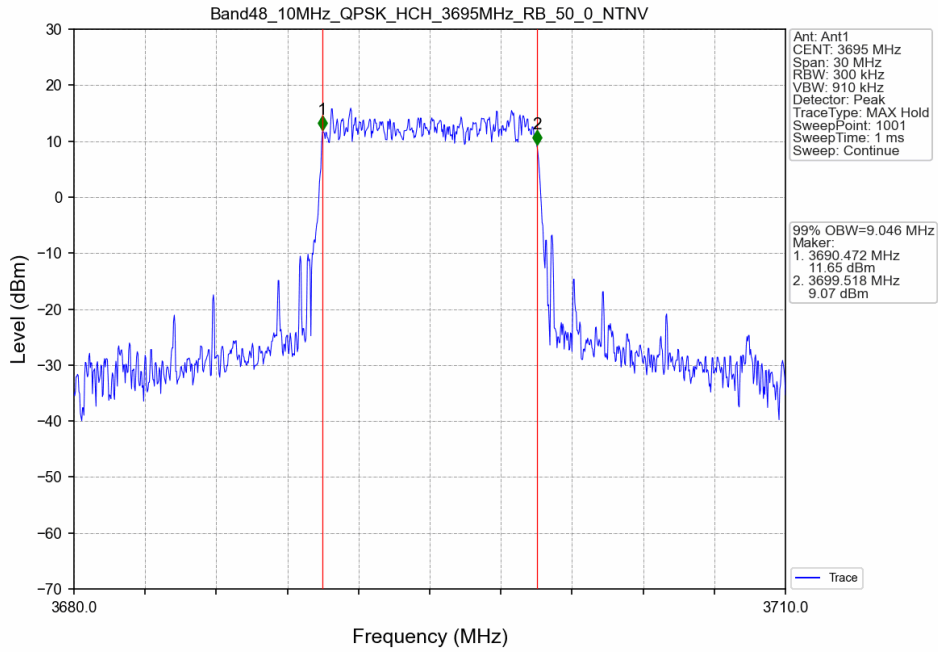


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

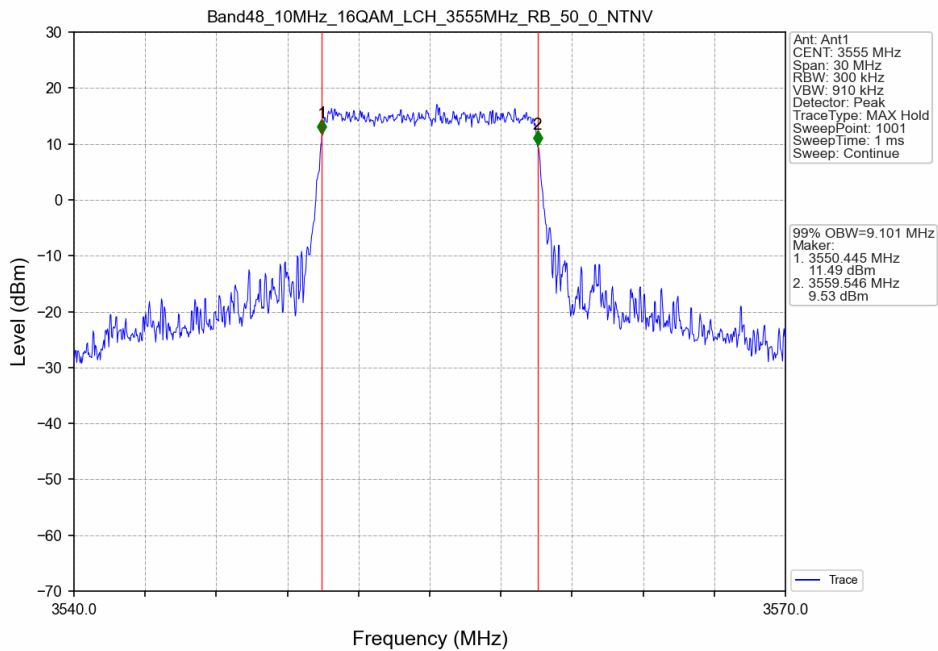
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV

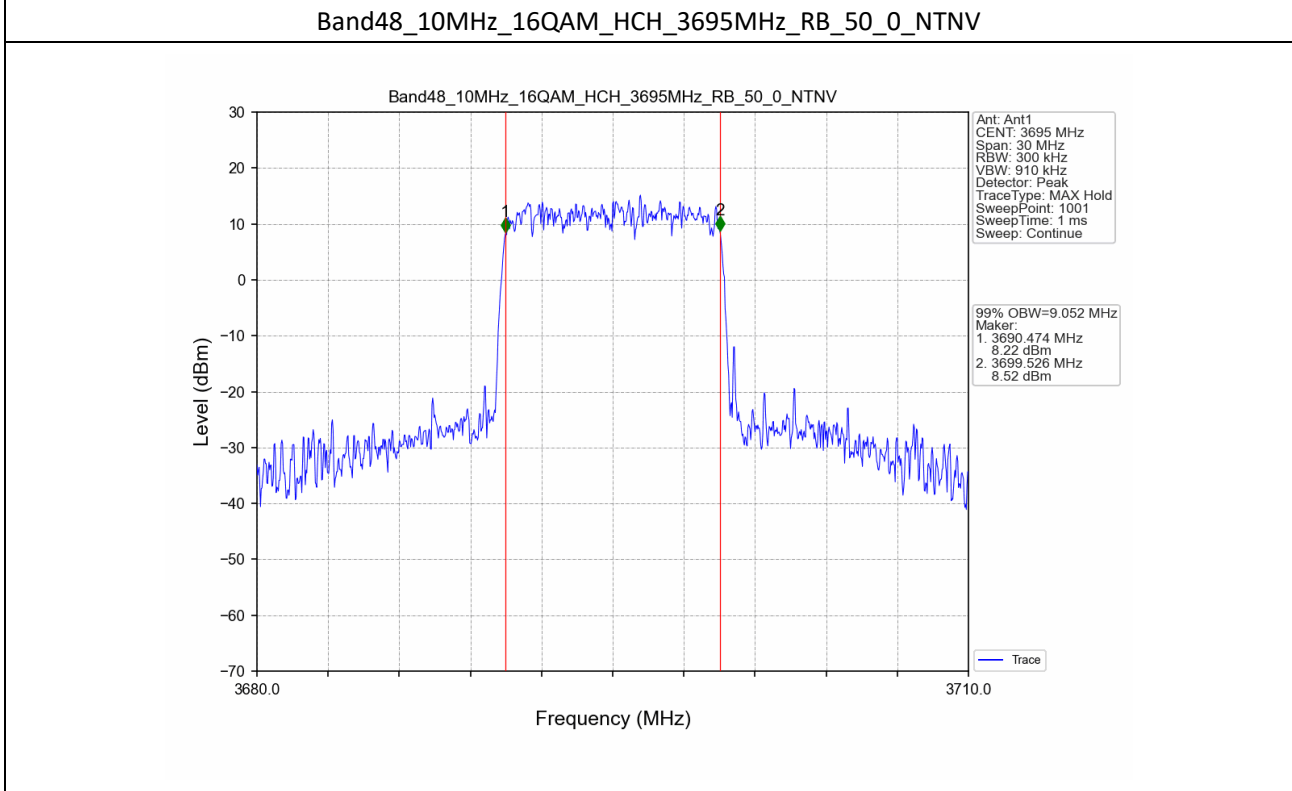
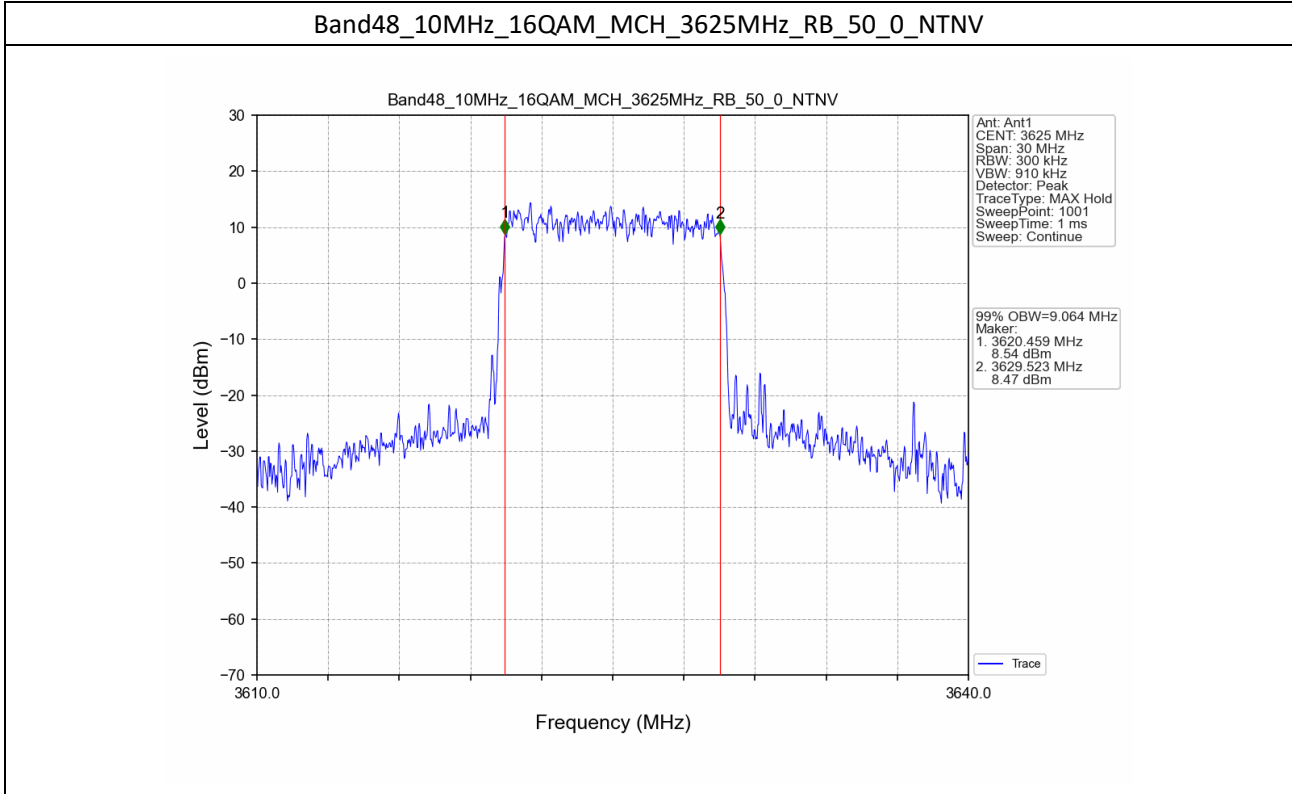


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

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

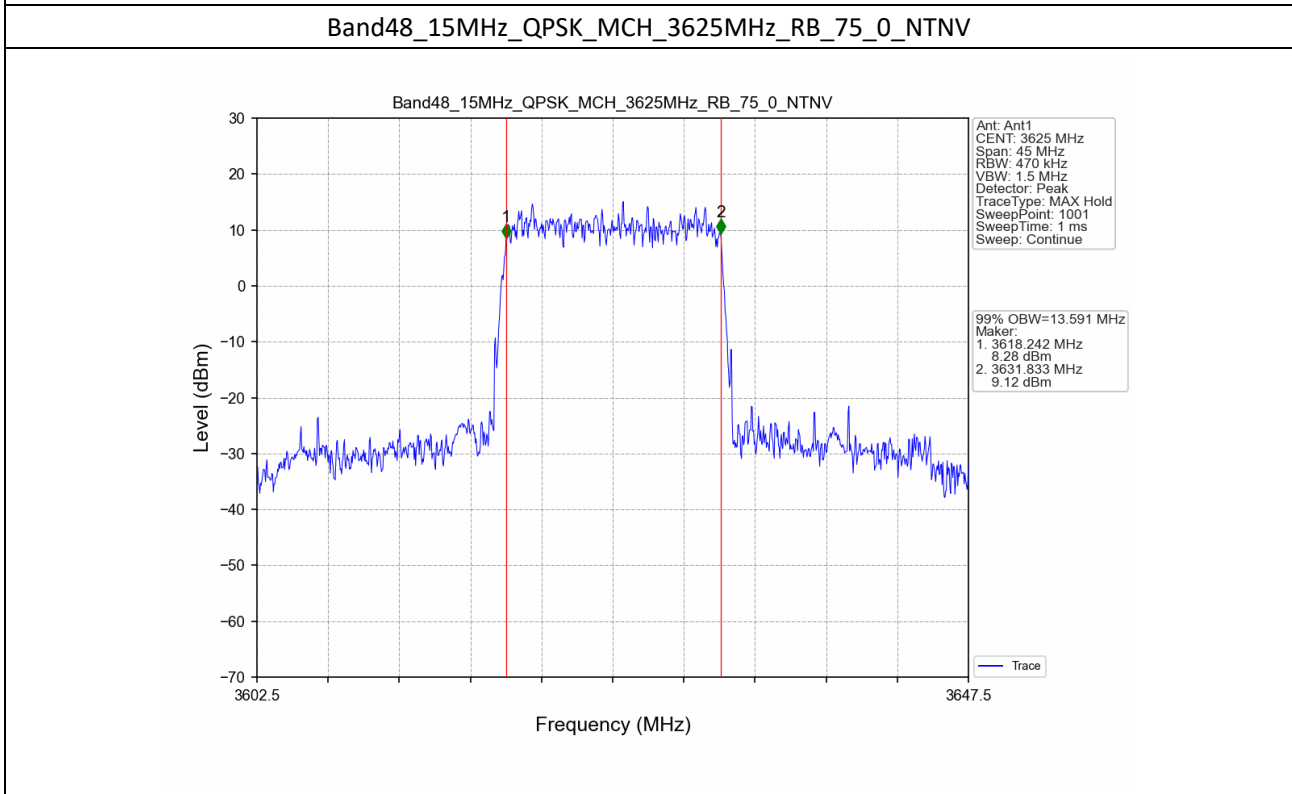
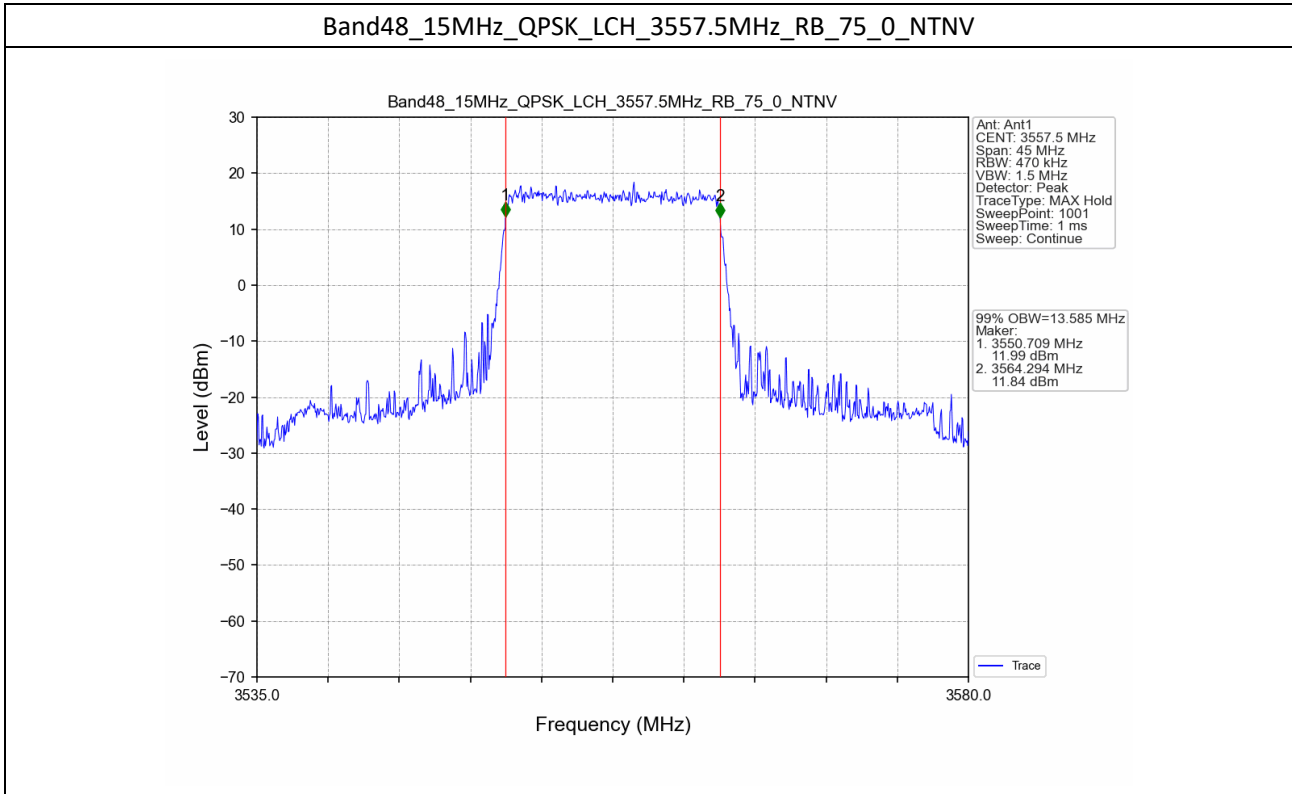
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

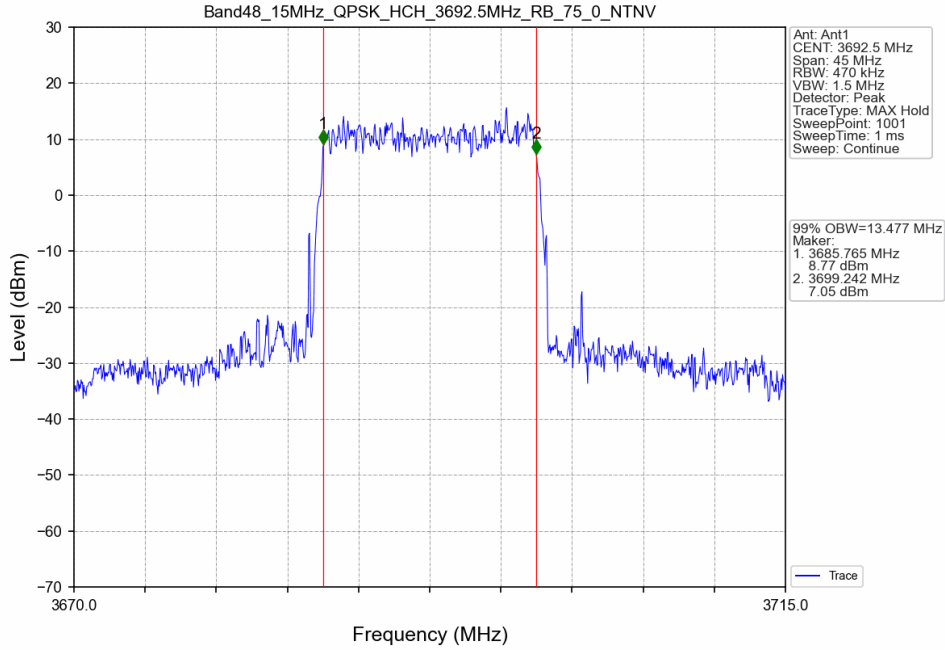


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

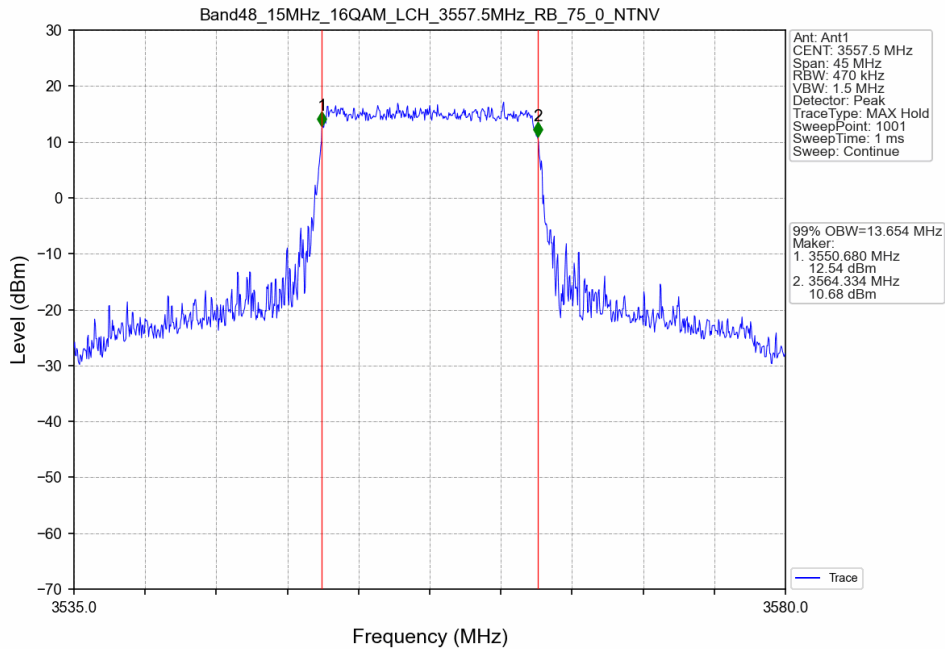
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV

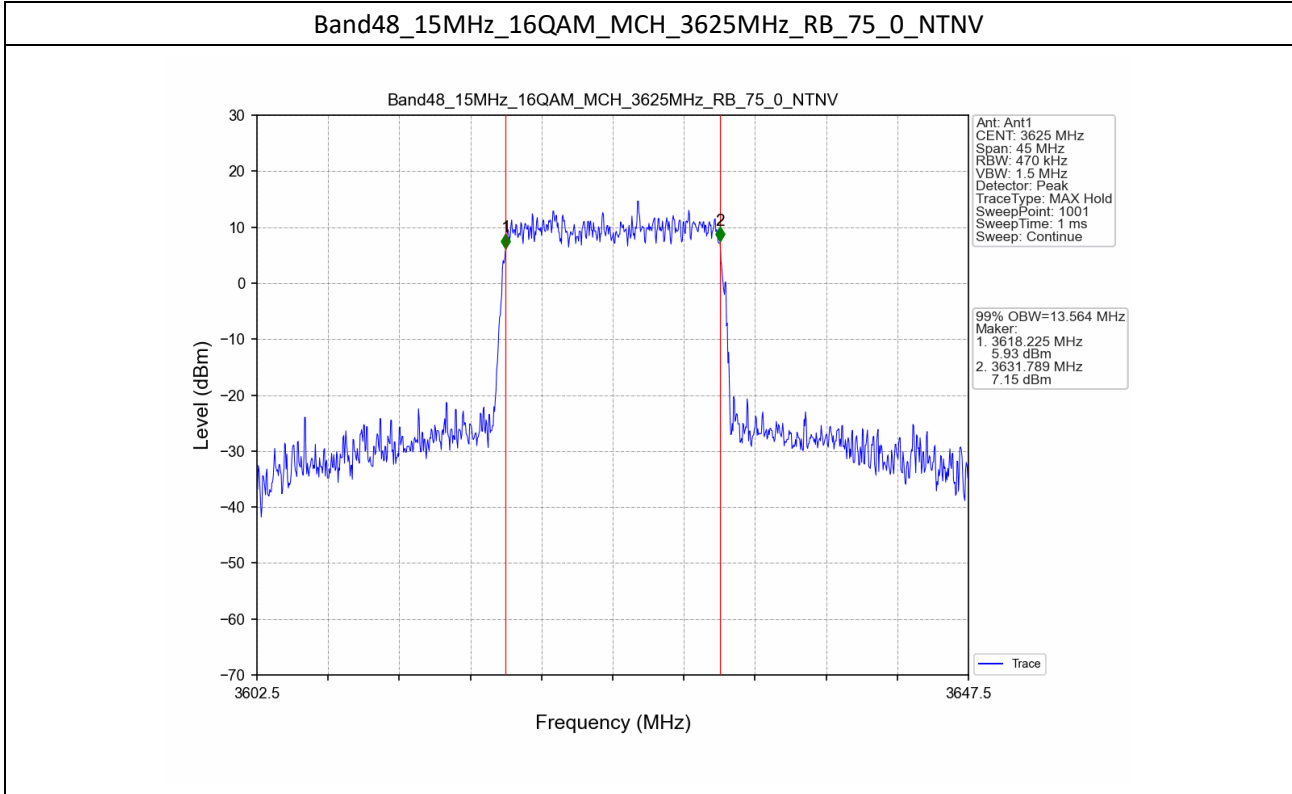


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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 will be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

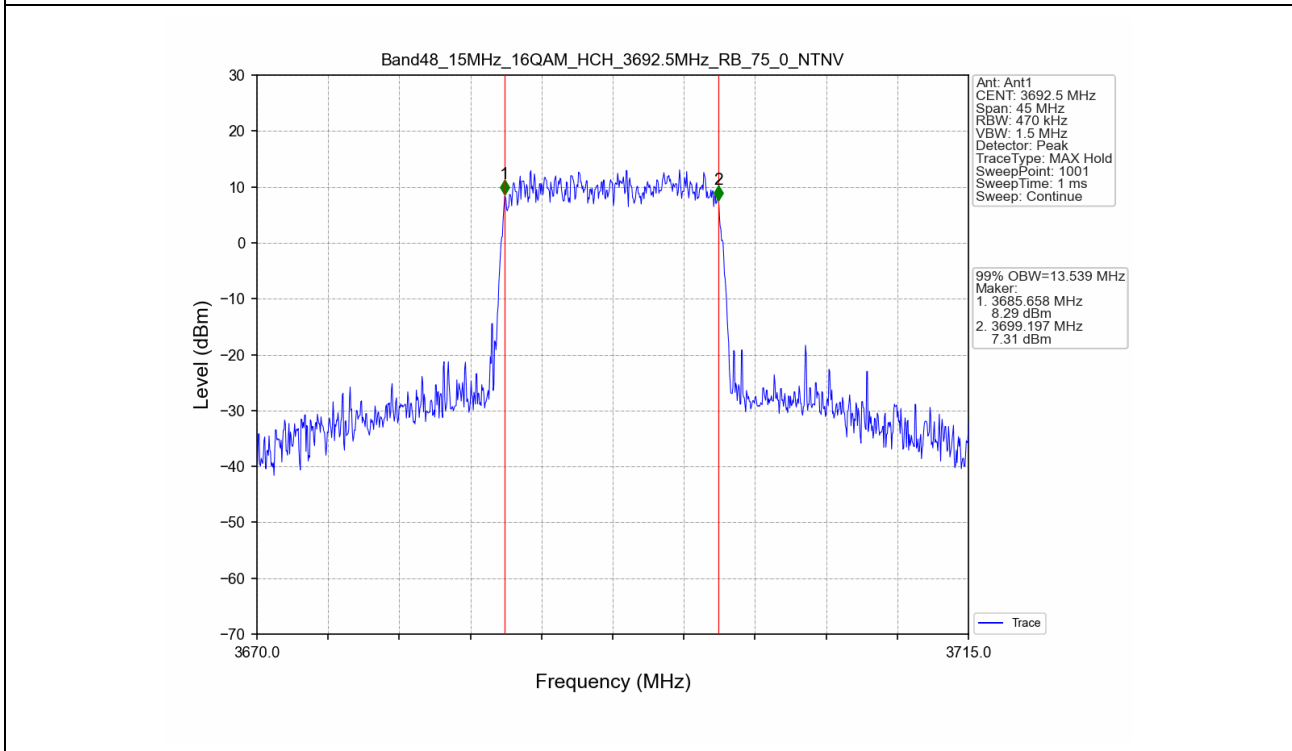
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



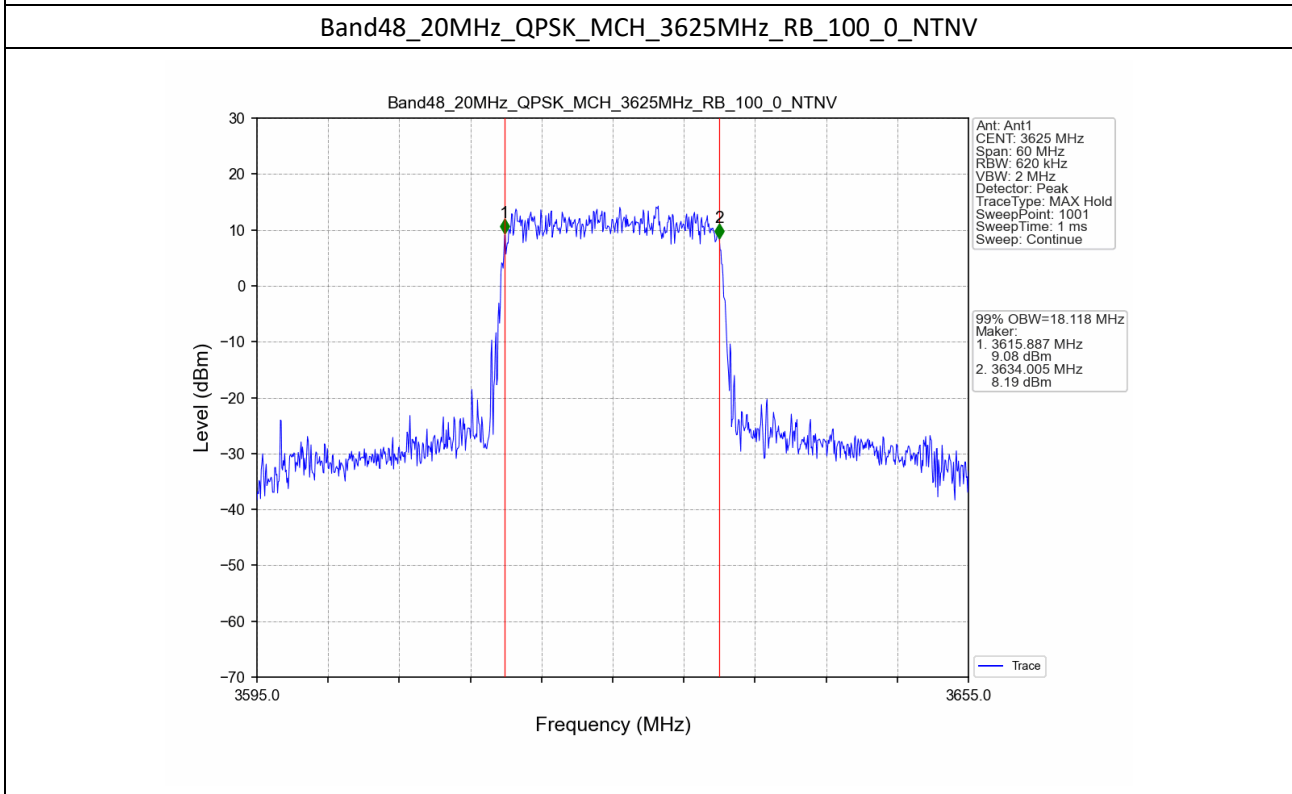
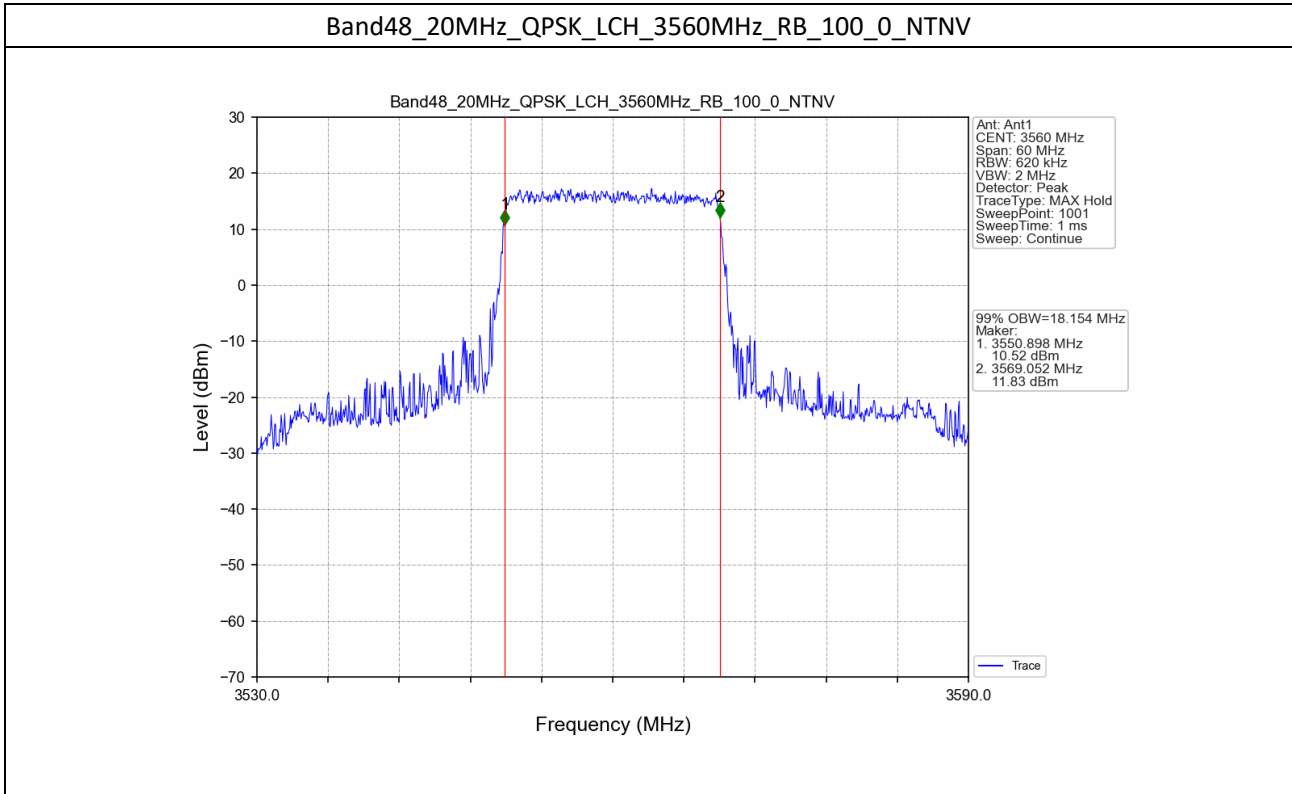
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

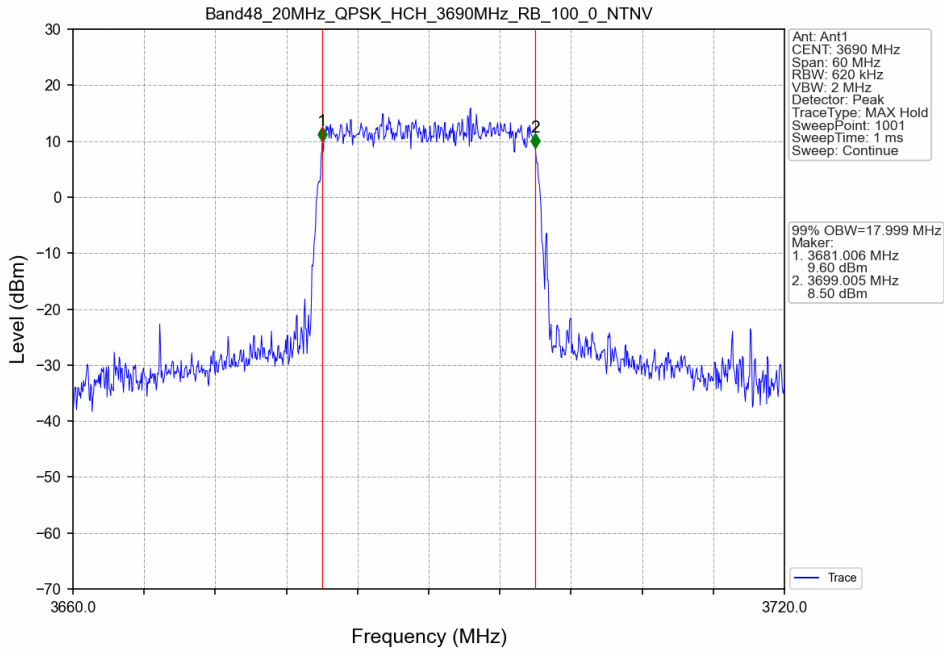


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

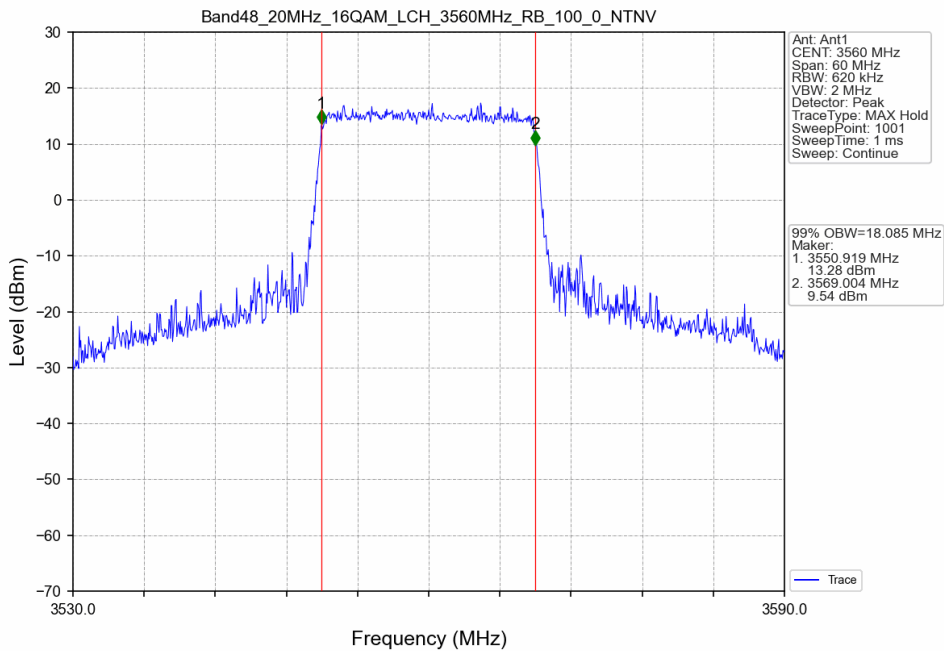
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



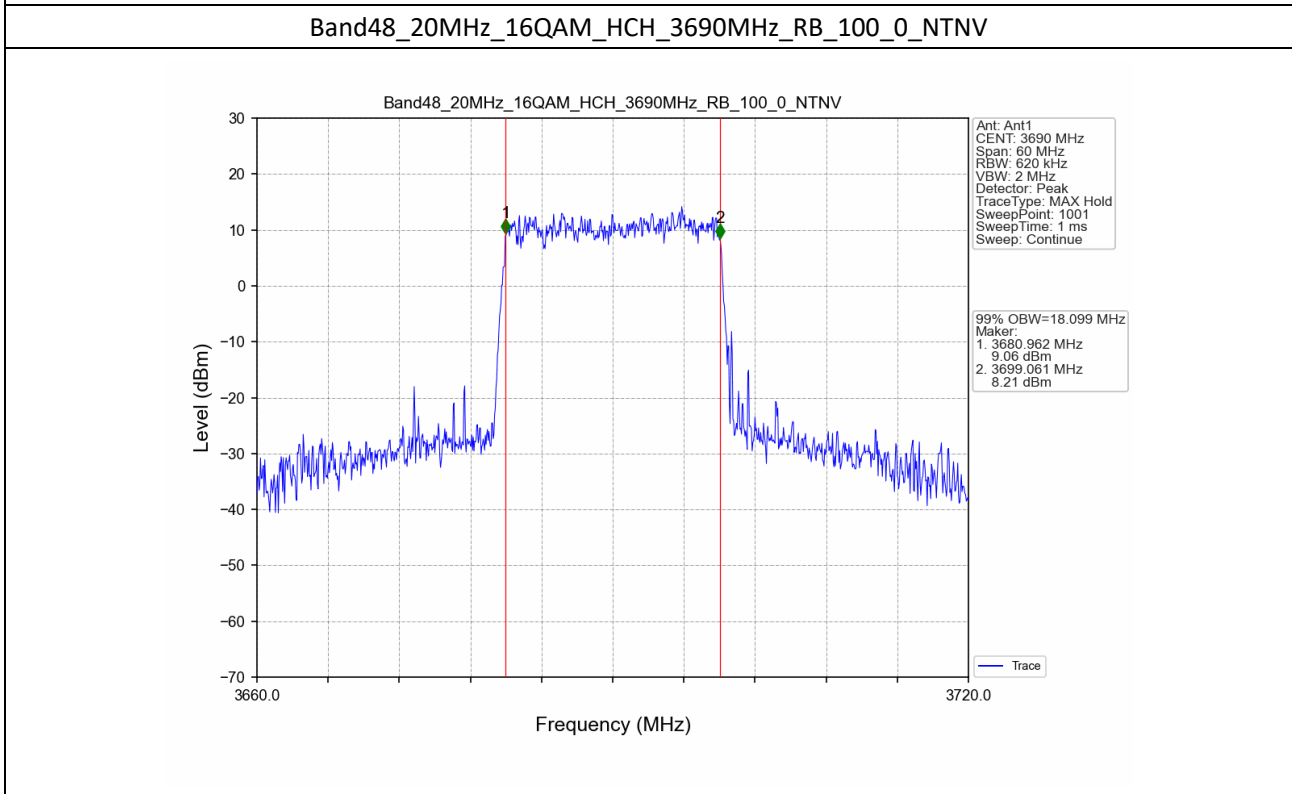
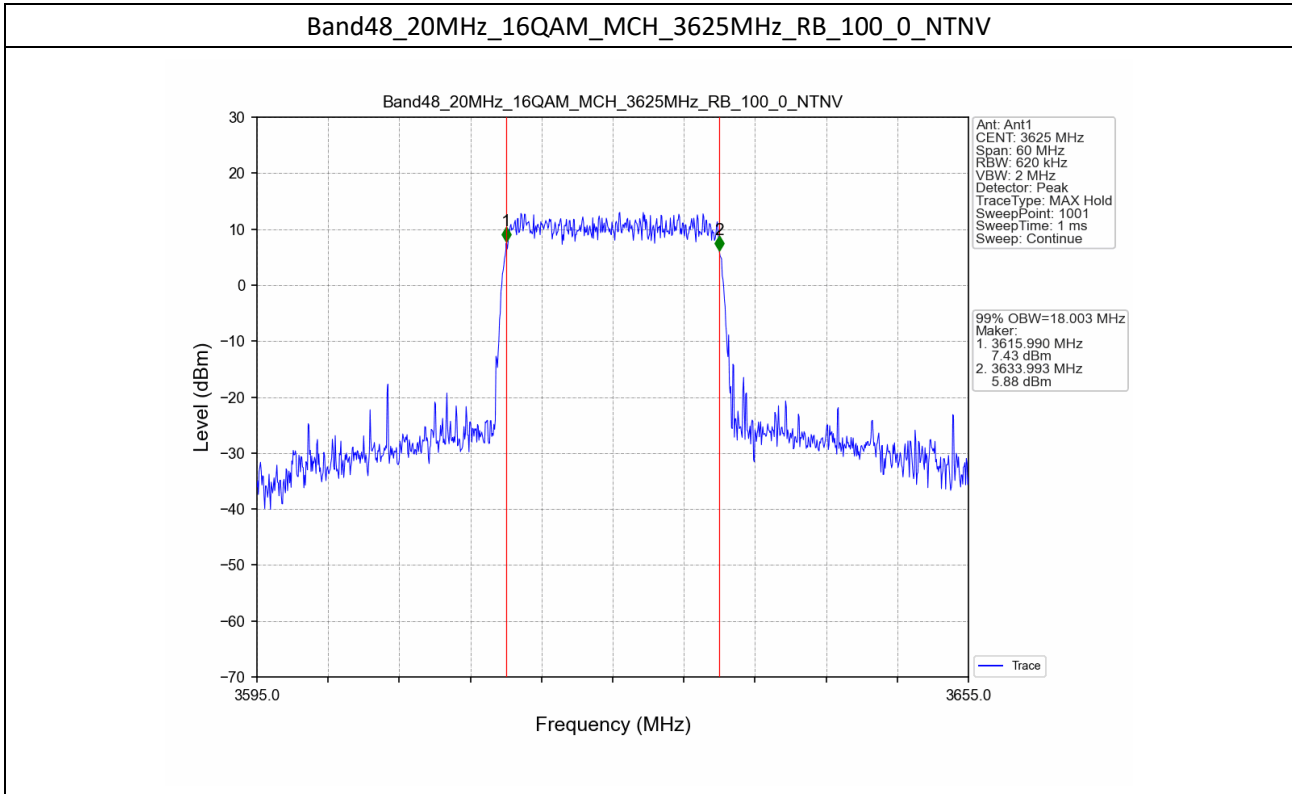
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



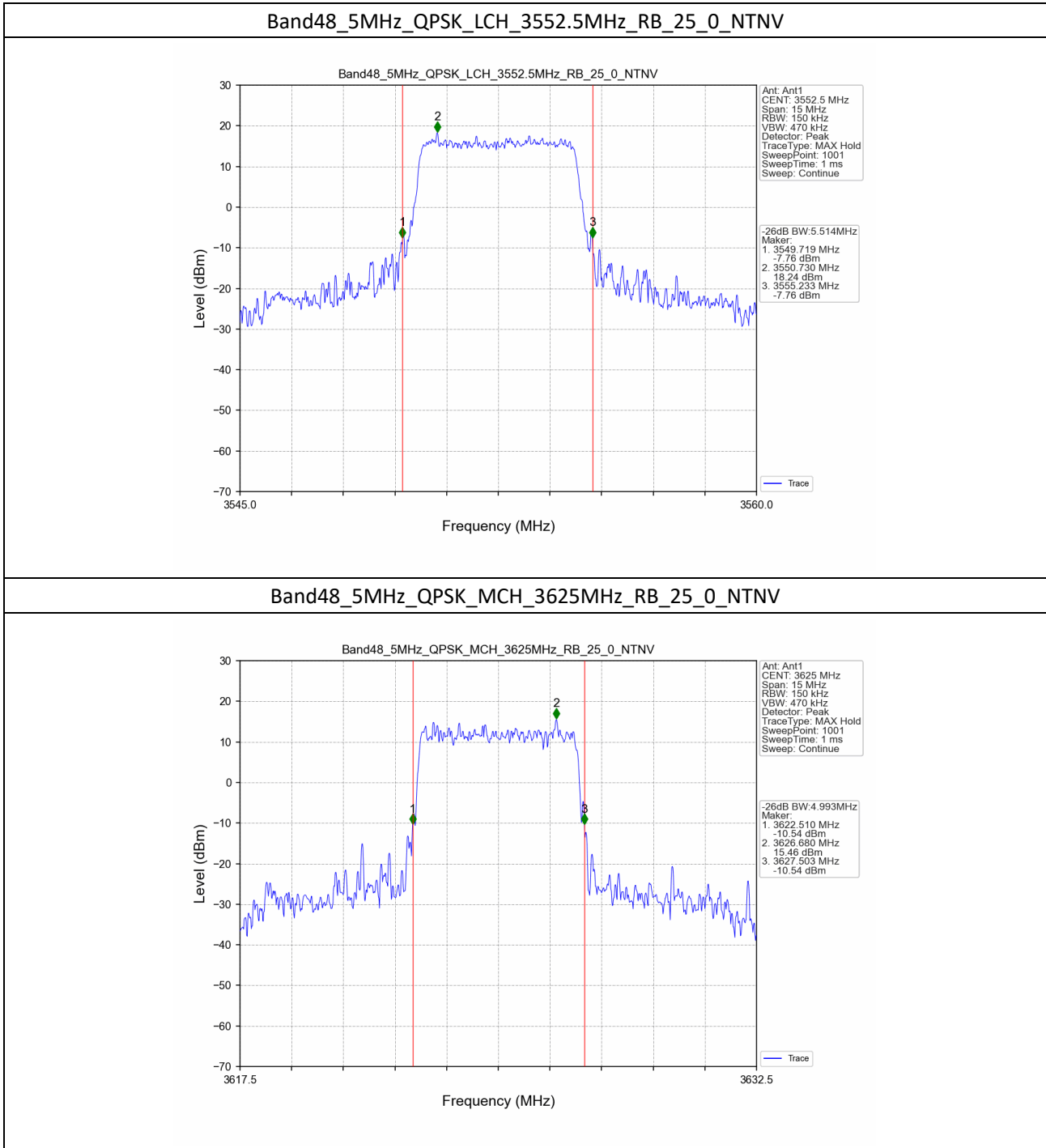
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

3.2.2 Band48_XDB

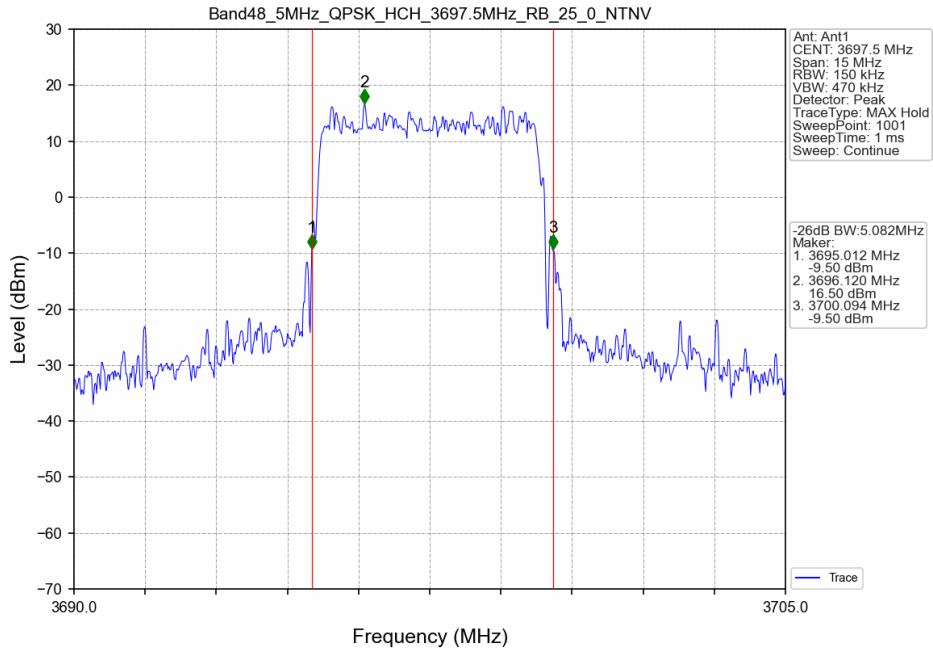


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

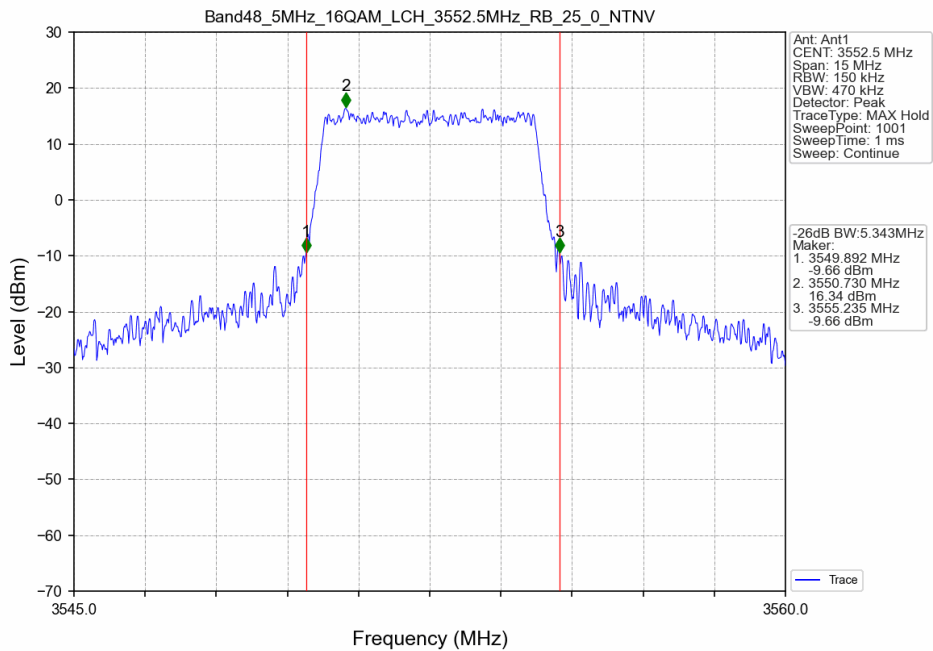
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



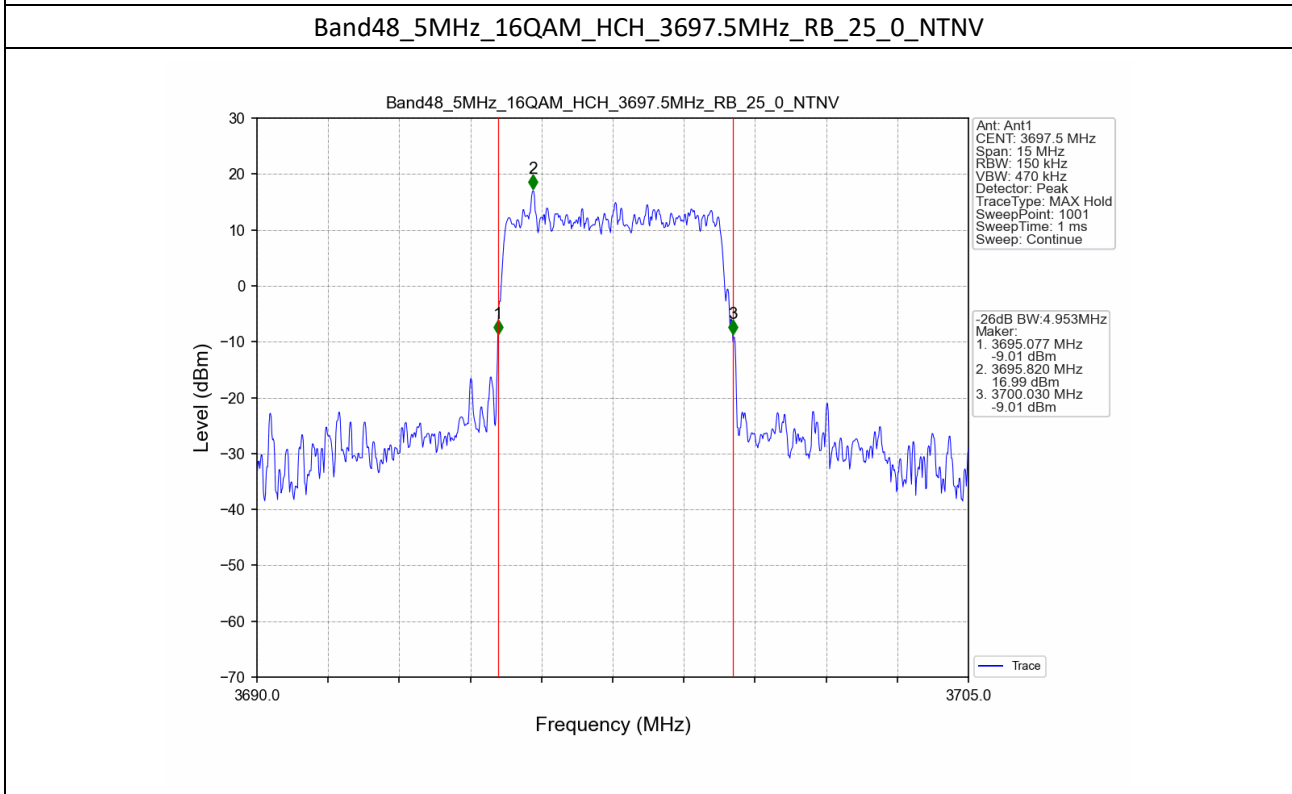
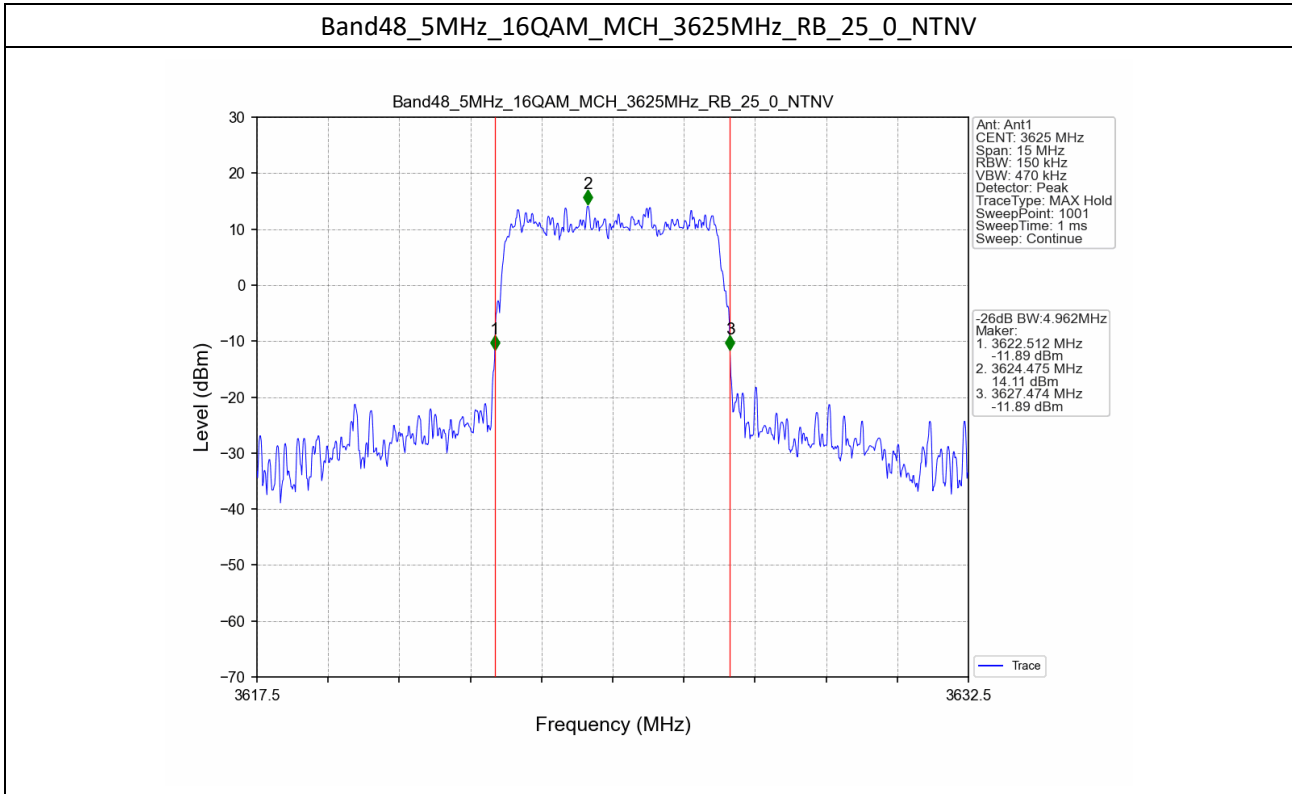
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



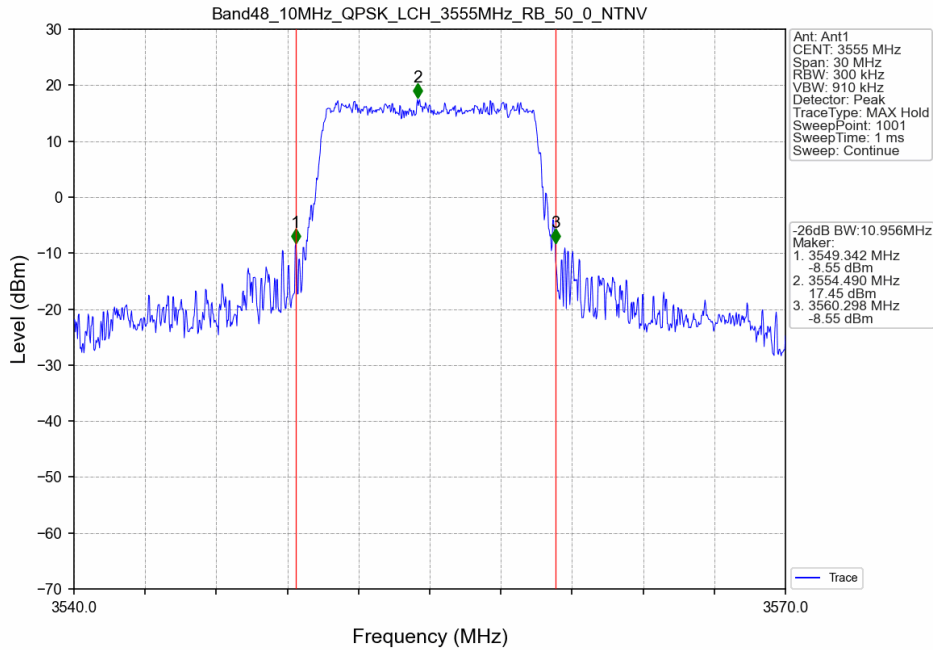
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

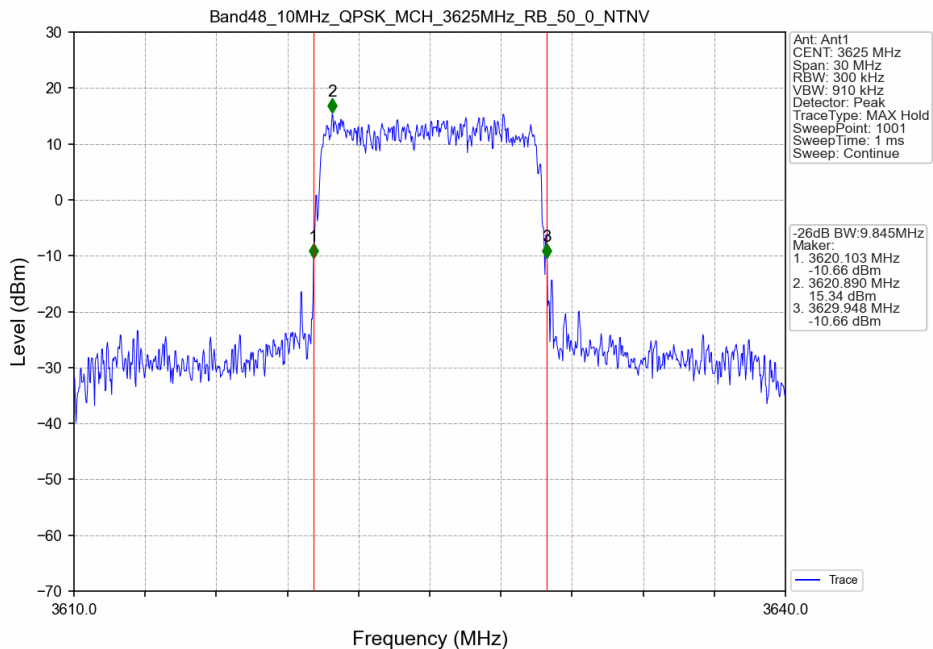
SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch, Wireless Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



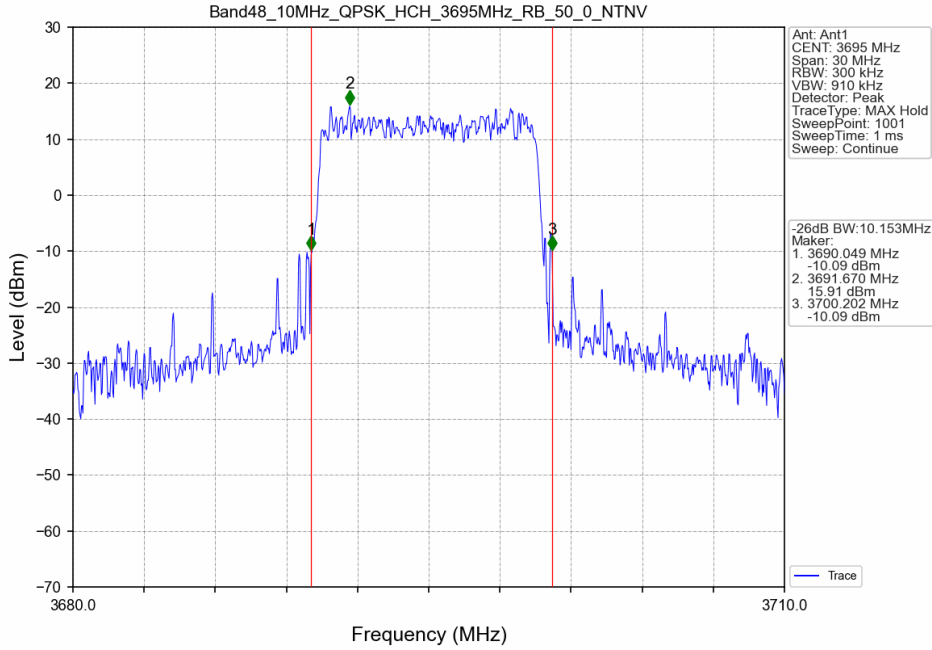
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

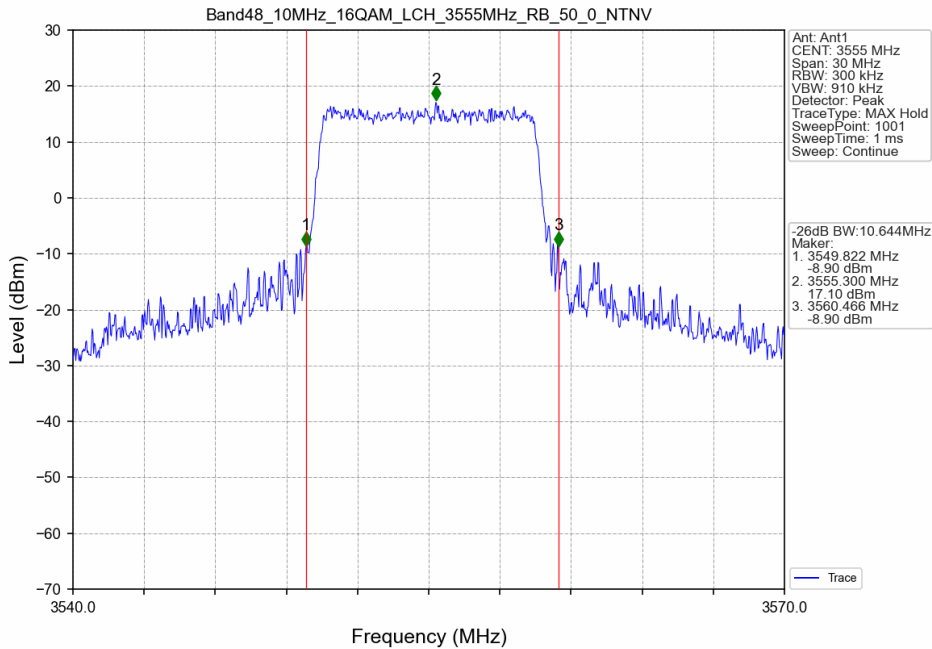
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



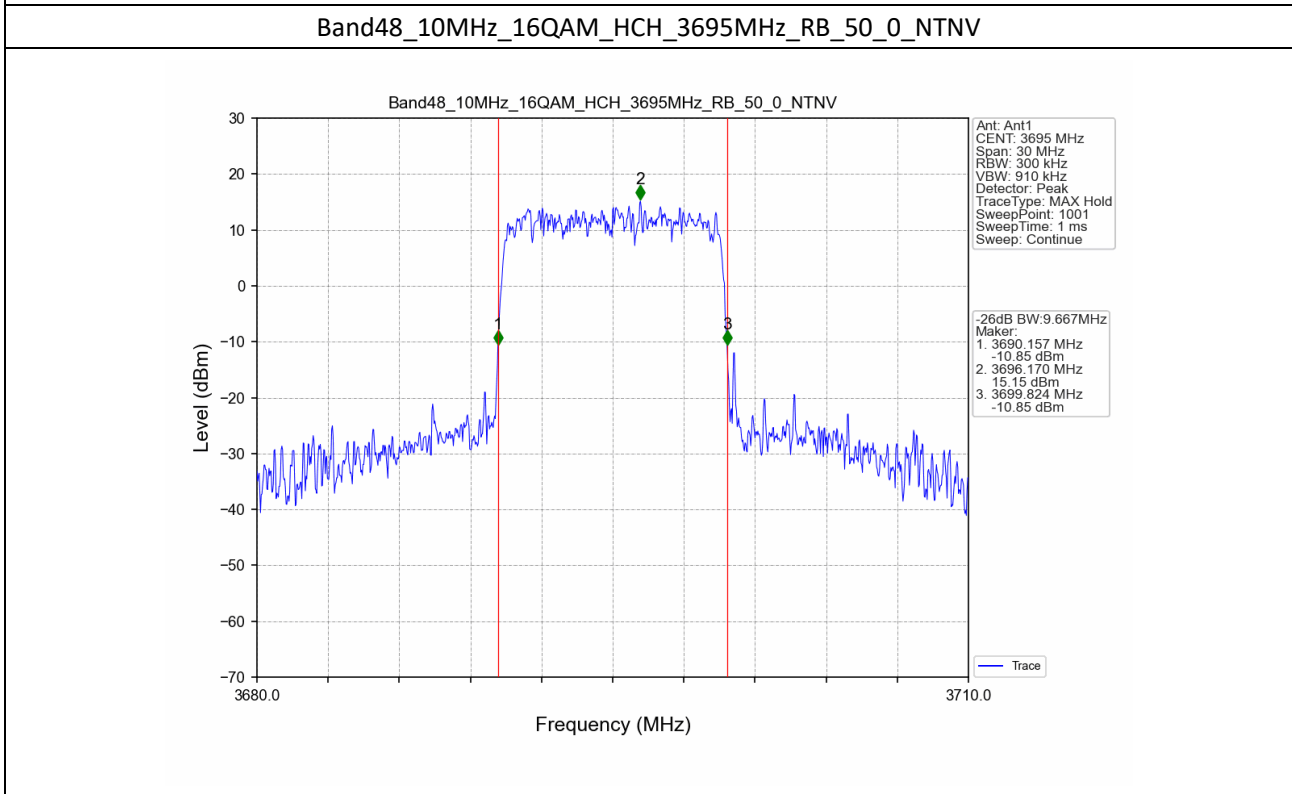
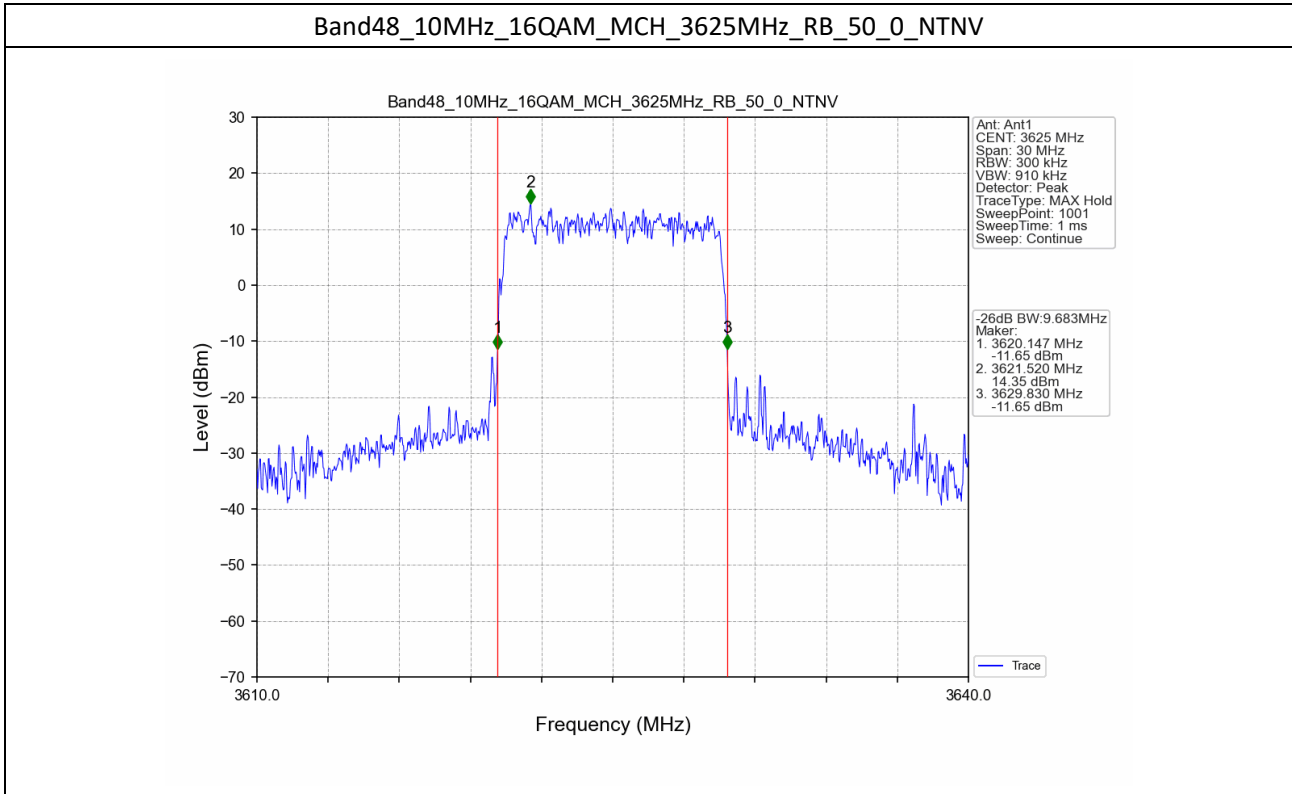
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



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

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

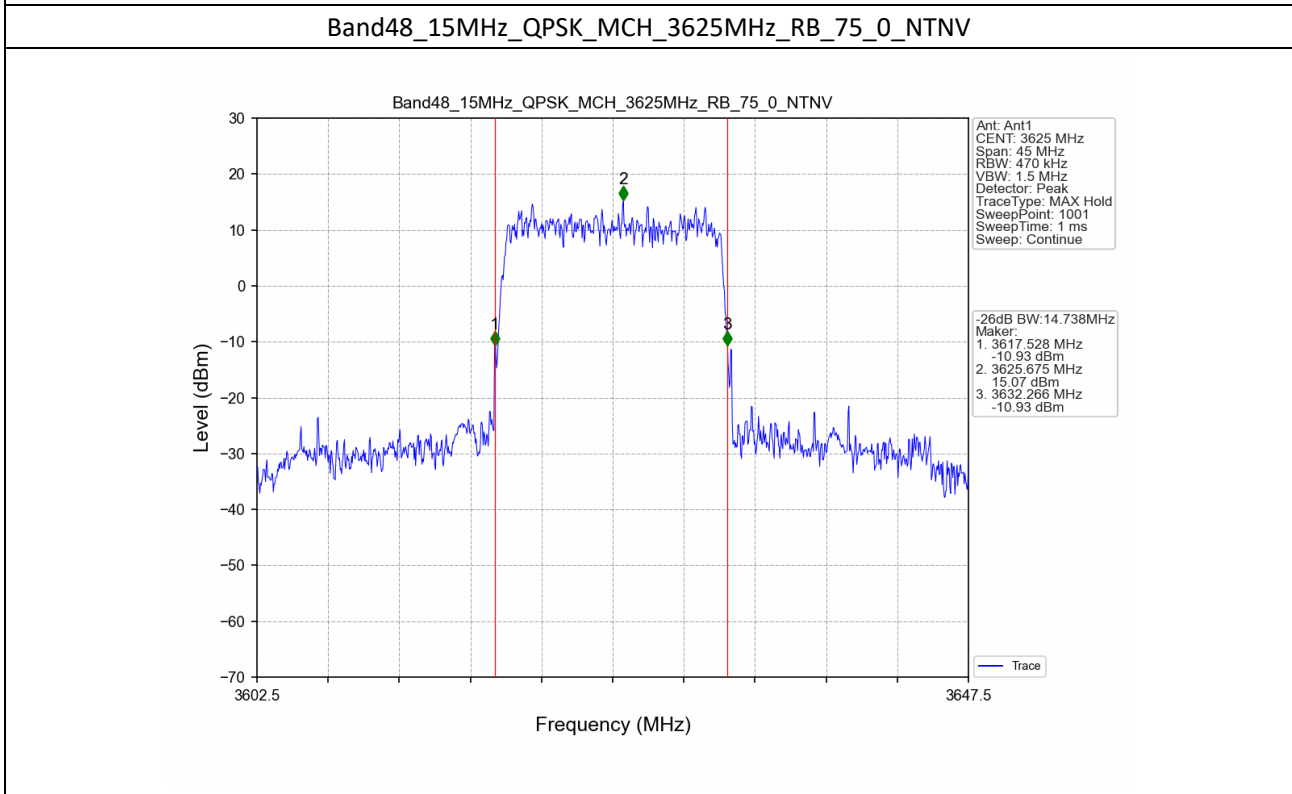
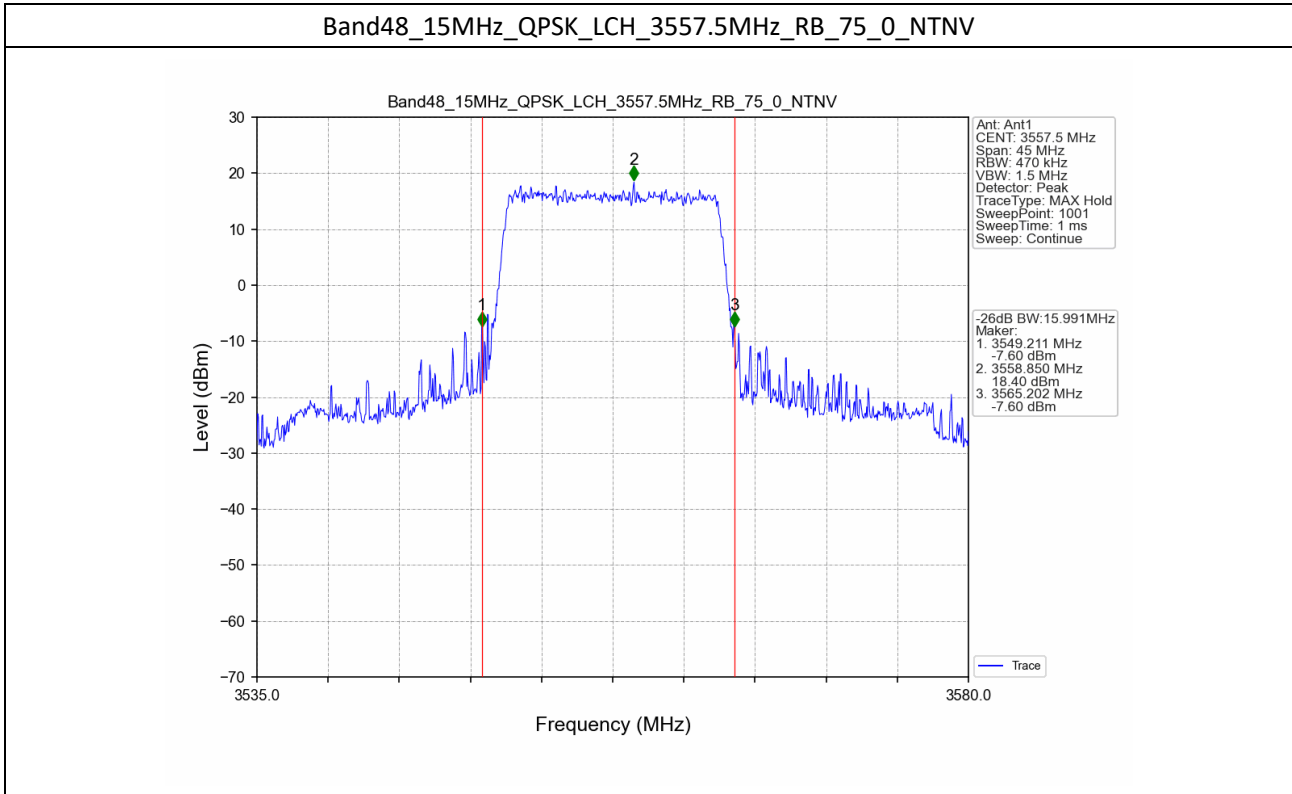
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



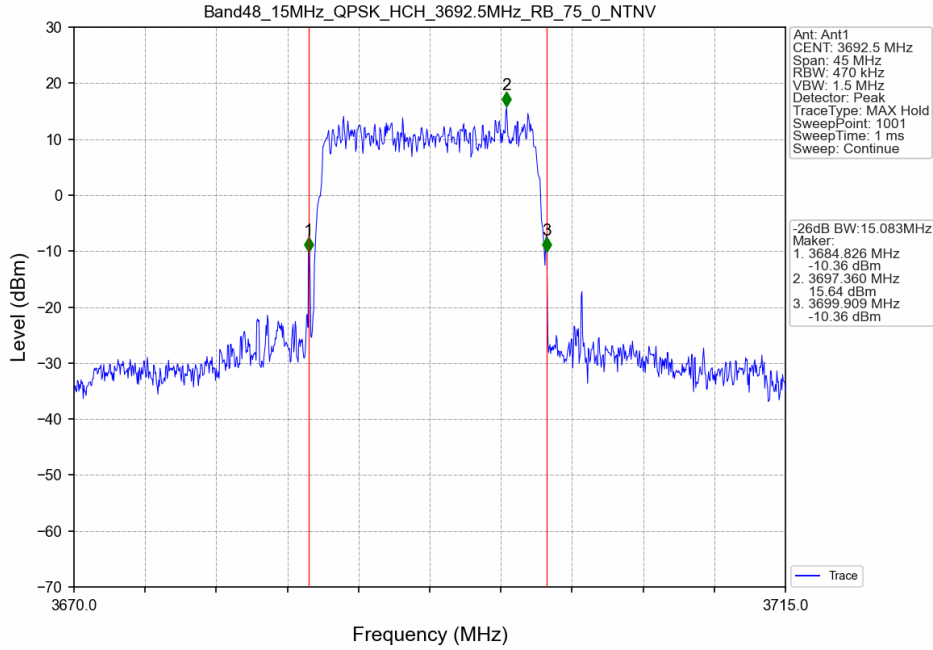
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

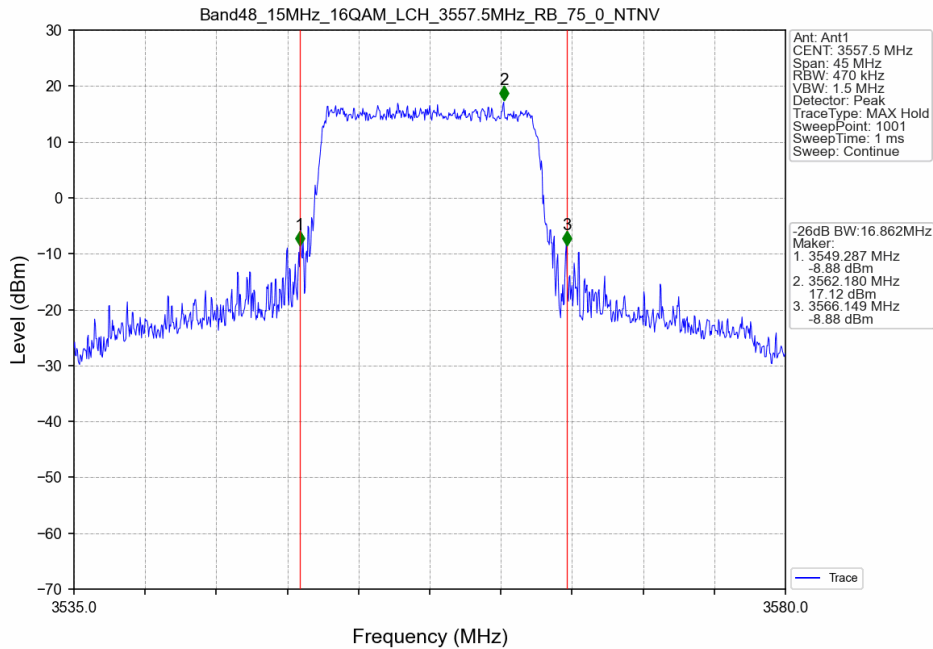
SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch, Wireless Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



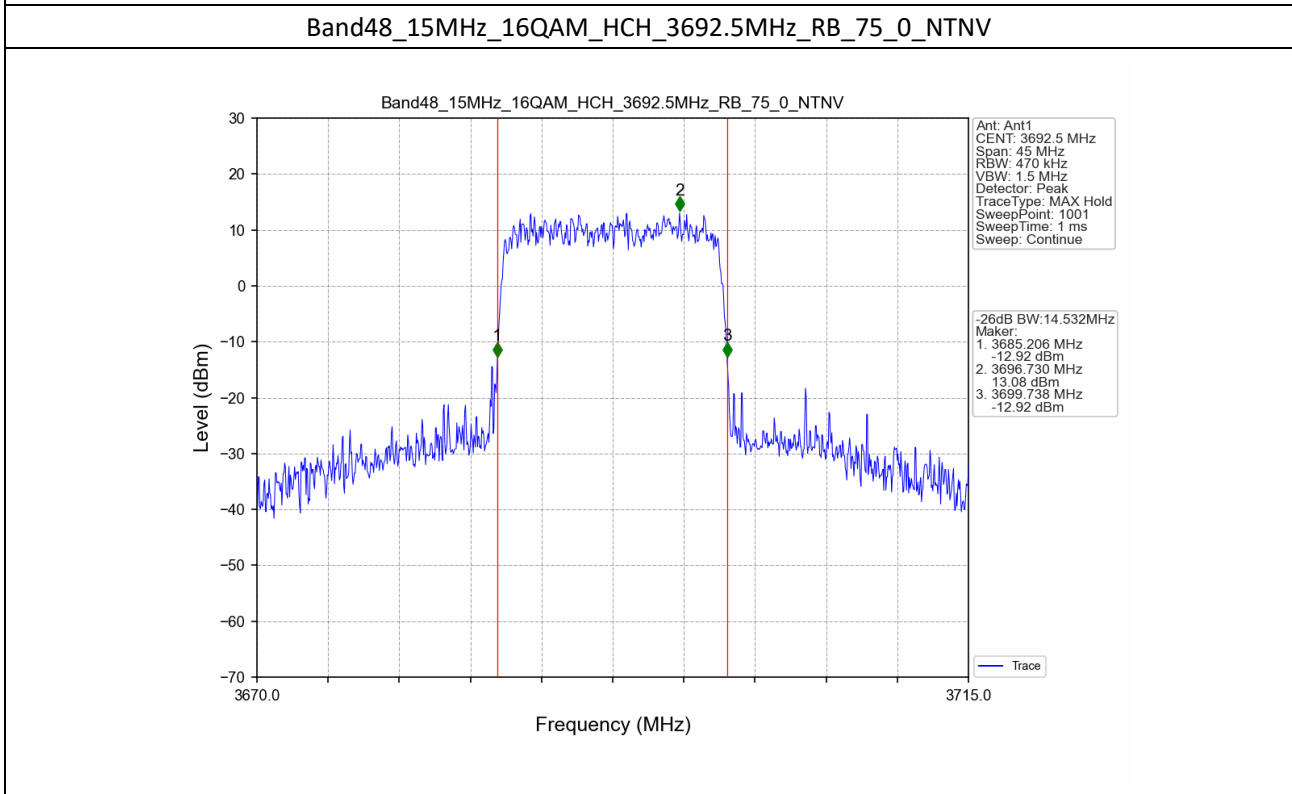
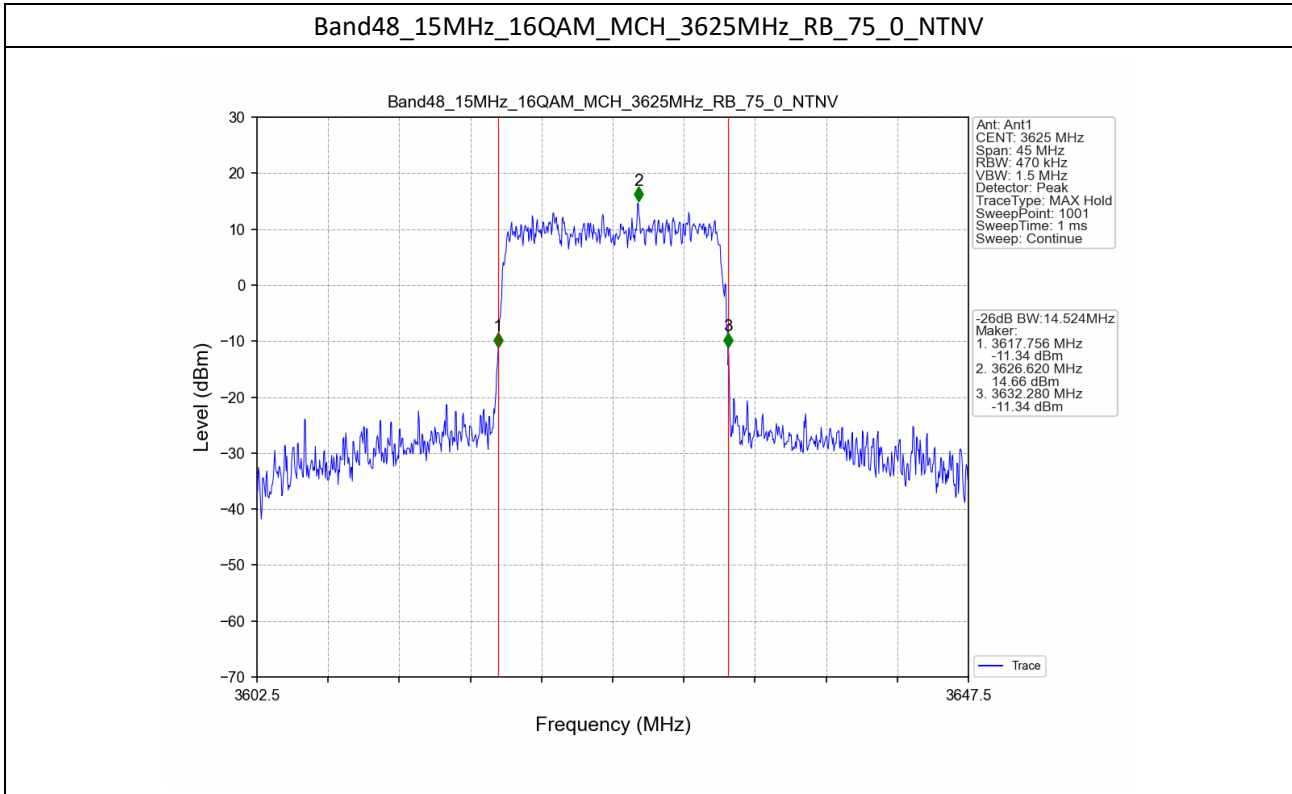
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



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

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

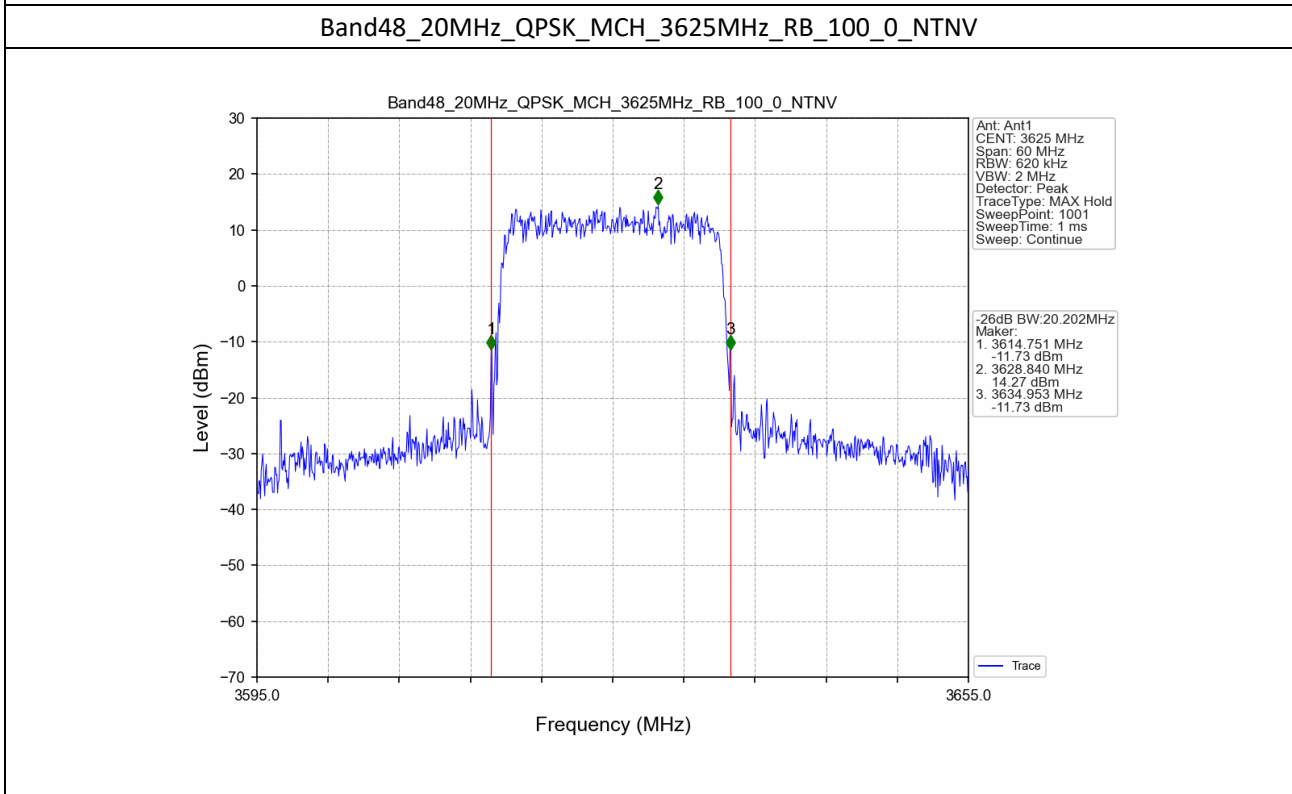
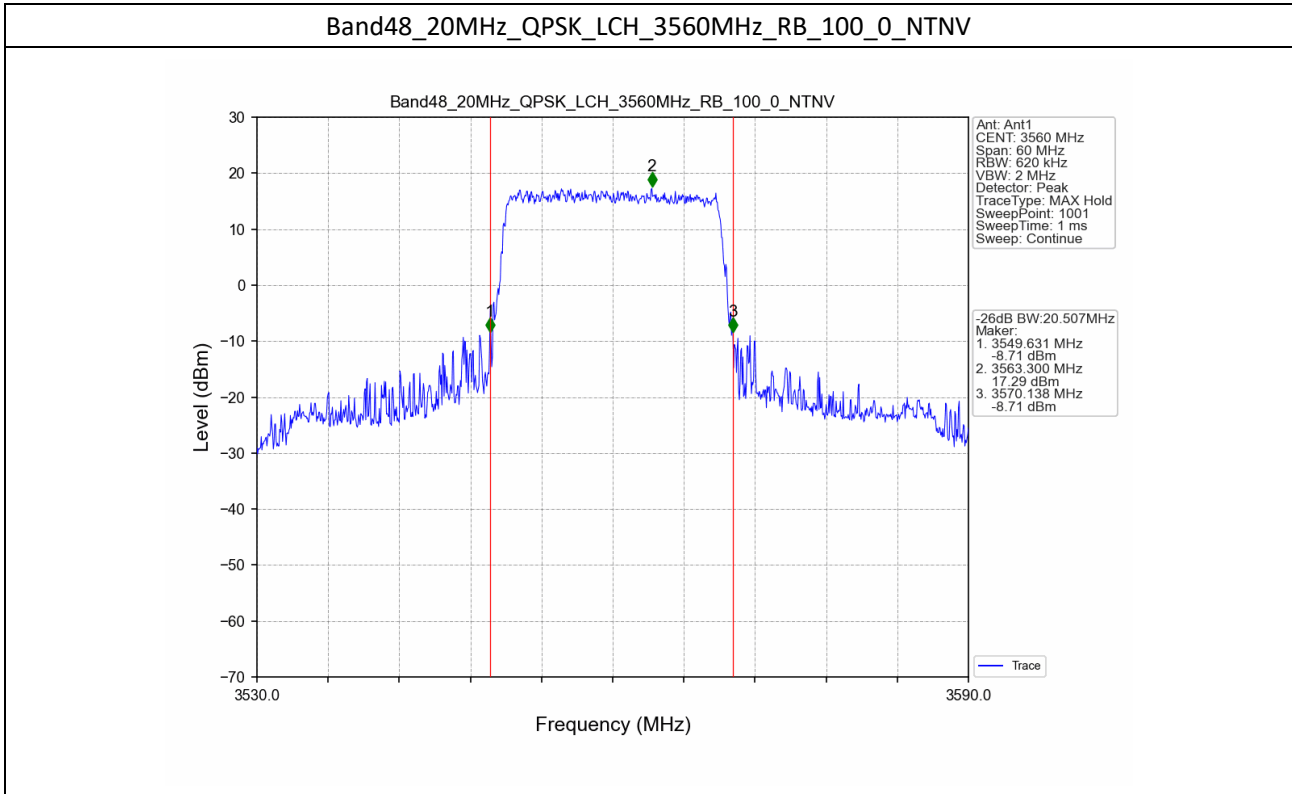
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

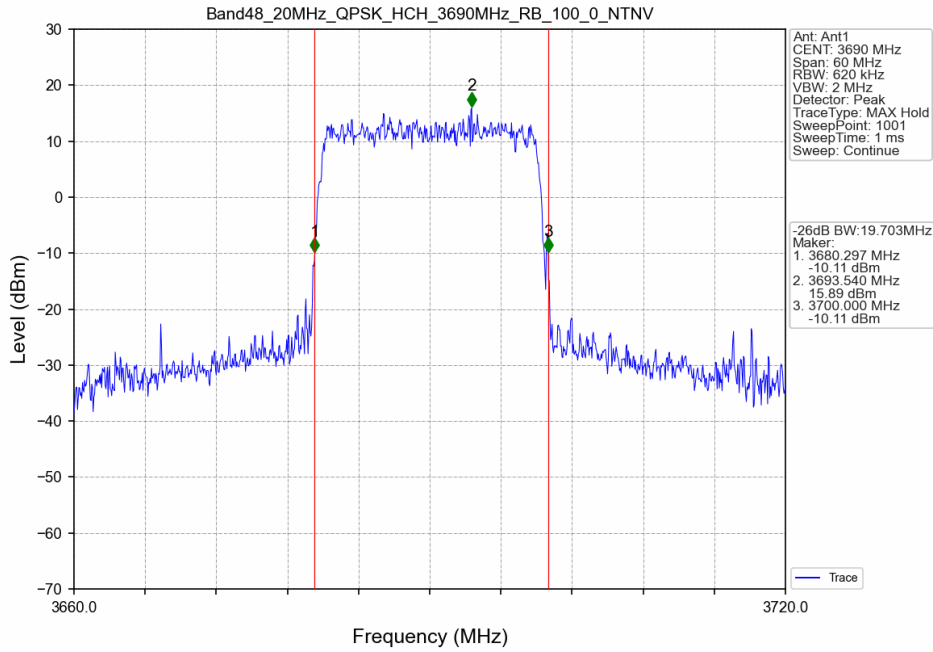


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

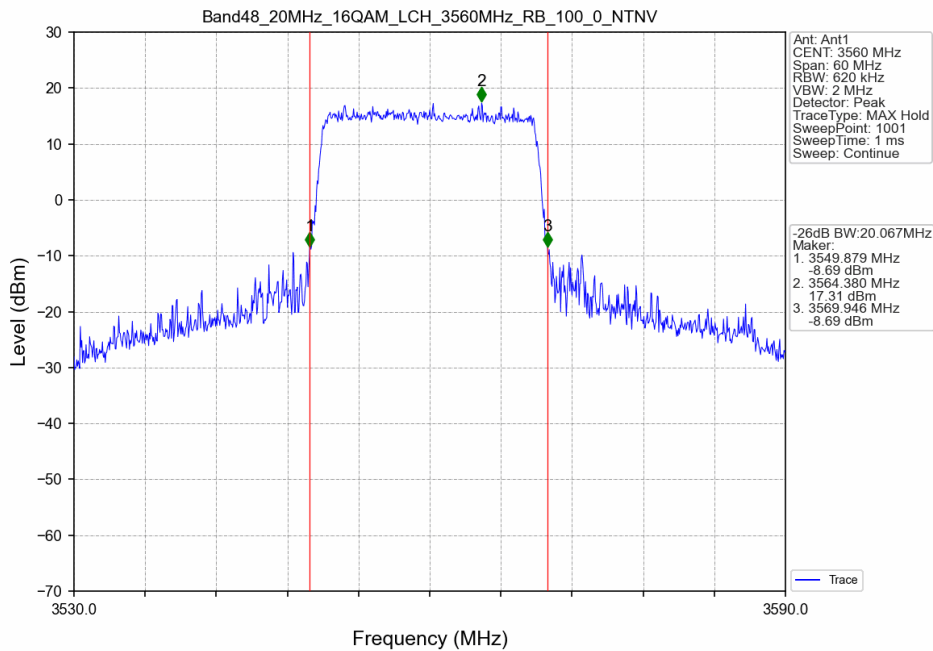
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_LCH_3560MHz_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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com