

# Appendix C.3

## LTE Band n12



Unless otherwise agreed 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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

#### 1.1.1 15k\_SISO\_5MHz\_NTNV\_ERP

5G NR n12 SCS=15kHz SISO 5MHz NTVN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Edge_1RB_Left	23.42	/	/	21.93	/	/	<=34.77	Pass
		Edge_1RB_Right	23.34	/	/	21.85	/	/	<=34.77	Pass
		Outer_Full	23.44	/	/	21.95	/	/	<=34.77	Pass
		Inner_Full	23.37	/	/	21.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.44	/	/	21.95	/	/	<=34.77	Pass
		Inner_1RB_Right	23.34	/	/	21.85	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.46	/	/	21.97	/	/	<=34.77	Pass
		Edge_1RB_Right	23.64	/	/	22.15	/	/	<=34.77	Pass
		Outer_Full	23.57	/	/	22.08	/	/	<=34.77	Pass
		Inner_Full	23.51	/	/	22.02	/	/	<=34.77	Pass
		Inner_1RB_Left	23.50	/	/	22.01	/	/	<=34.77	Pass
		Inner_1RB_Right	23.64	/	/	22.15	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	713.5	Edge_1RB_Left	23.50	/	/	22.01	/	/	<=34.77	Pass
		Edge_1RB_Right	23.53	/	/	22.04	/	/	<=34.77	Pass
		Outer_Full	23.55	/	/	22.06	/	/	<=34.77	Pass
		Inner_Full	23.62	/	/	22.13	/	/	<=34.77	Pass
		Inner_1RB_Left	23.56	/	/	22.07	/	/	<=34.77	Pass
		Inner_1RB_Right	23.68	/	/	22.19	/	/	<=34.77	Pass
	701.5	Edge_1RB_Left	23.43	/	/	21.94	/	/	<=34.77	Pass
		Edge_1RB_Right	23.30	/	/	21.81	/	/	<=34.77	Pass
		Outer_Full	23.47	/	/	21.98	/	/	<=34.77	Pass
		Inner_Full	23.44	/	/	21.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	21.97	/	/	<=34.77	Pass
		Inner_1RB_Right	23.30	/	/	21.81	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.44	/	/	21.95	/	/	<=34.77	Pass
		Edge_1RB_Right	23.65	/	/	22.16	/	/	<=34.77	Pass
		Outer_Full	23.54	/	/	22.05	/	/	<=34.77	Pass
		Inner_Full	23.56	/	/	22.07	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	713.5	Inner_1RB_Left	23.52	/	/	22.03	/	/	<=34.77	Pass
		Inner_1RB_Right	23.56	/	/	22.07	/	/	<=34.77	Pass
		Edge_1RB_Left	23.61	/	/	22.12	/	/	<=34.77	Pass
		Edge_1RB_Right	23.51	/	/	22.02	/	/	<=34.77	Pass
		Outer_Full	23.62	/	/	22.13	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	22.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.60	/	/	22.11	/	/	<=34.77	Pass
		Inner_1RB_Right	23.68	/	/	22.19	/	/	<=34.77	Pass
		Edge_1RB_Left	22.29	/	/	20.8	/	/	<=34.77	Pass
		Edge_1RB_Right	22.14	/	/	20.65	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	701.5	Outer_Full	22.33	/	/	20.84	/	/	<=34.77	Pass
		Inner_Full	23.43	/	/	21.94	/	/	<=34.77	Pass
		Inner_1RB_Left	23.45	/	/	21.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	21.79	/	/	<=34.77	Pass
		Edge_1RB_Left	22.65	/	/	21.16	/	/	<=34.77	Pass
		Edge_1RB_Right	22.65	/	/	21.16	/	/	<=34.77	Pass
	707.5	Outer_Full	22.54	/	/	21.05	/	/	<=34.77	Pass
		Inner_Full	23.58	/	/	22.09	/	/	<=34.77	Pass
		Inner_1RB_Left	23.06	/	/	21.57	/	/	<=34.77	Pass
		Inner_1RB_Right	23.61	/	/	22.12	/	/	<=34.77	Pass
		Edge_1RB_Left	22.70	/	/	21.21	/	/	<=34.77	Pass
		Edge_1RB_Right	22.68	/	/	21.19	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	713.5	Outer_Full	22.54	/	/	21.05	/	/	<=34.77	Pass
		Inner_Full	23.66	/	/	22.17	/	/	<=34.77	Pass
		Inner_1RB_Left	23.48	/	/	21.99	/	/	<=34.77	Pass
		Inner_1RB_Right	23.48	/	/	21.99	/	/	<=34.77	Pass
		Edge_1RB_Left	21.98	/	/	20.49	/	/	<=34.77	Pass
		Edge_1RB_Right	21.67	/	/	20.18	/	/	<=34.77	Pass
	701.5	Outer_Full	21.85	/	/	20.36	/	/	<=34.77	Pass
		Inner_Full	21.96	/	/	20.47	/	/	<=34.77	Pass
		Inner_1RB_Left	21.93	/	/	20.44	/	/	<=34.77	Pass
		Inner_1RB_Right	22.03	/	/	20.54	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.12	/	/	20.63	/	/	<=34.77	Pass
		Edge_1RB_Right	21.88	/	/	20.39	/	/	<=34.77	Pass
		Outer_Full	21.95	/	/	20.46	/	/	<=34.77	Pass
		Inner_Full	22.07	/	/	20.58	/	/	<=34.77	Pass
		Inner_1RB_Left	22.00	/	/	20.51	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.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

713.5	Inner_1RB_Right	21.96	/	/	20.47	/	/	<=34.77	Pass
	Edge_1RB_Left	22.12	/	/	20.63	/	/	<=34.77	Pass
	Edge_1RB_Right	22.16	/	/	20.67	/	/	<=34.77	Pass
	Outer_Full	22.09	/	/	20.6	/	/	<=34.77	Pass
	Inner_Full	22.18	/	/	20.69	/	/	<=34.77	Pass
	Inner_1RB_Left	22.25	/	/	20.76	/	/	<=34.77	Pass
	Inner_1RB_Right	22.09	/	/	20.6	/	/	<=34.77	Pass
701.5	Edge_1RB_Left	19.90	/	/	18.41	/	/	<=34.77	Pass
	Edge_1RB_Right	19.91	/	/	18.42	/	/	<=34.77	Pass
	Outer_Full	20.04	/	/	18.55	/	/	<=34.77	Pass
	Inner_Full	19.81	/	/	18.32	/	/	<=34.77	Pass
	Inner_1RB_Left	20.07	/	/	18.58	/	/	<=34.77	Pass
	Inner_1RB_Right	19.95	/	/	18.46	/	/	<=34.77	Pass
707.5	Edge_1RB_Left	20.08	/	/	18.59	/	/	<=34.77	Pass
	Edge_1RB_Right	20.08	/	/	18.59	/	/	<=34.77	Pass
	Outer_Full	20.05	/	/	18.56	/	/	<=34.77	Pass
	Inner_Full	20.09	/	/	18.6	/	/	<=34.77	Pass
	Inner_1RB_Left	19.98	/	/	18.49	/	/	<=34.77	Pass
	Inner_1RB_Right	20.01	/	/	18.52	/	/	<=34.77	Pass
713.5	Edge_1RB_Left	19.93	/	/	18.44	/	/	<=34.77	Pass
	Edge_1RB_Right	20.06	/	/	18.57	/	/	<=34.77	Pass
	Outer_Full	20.08	/	/	18.59	/	/	<=34.77	Pass
	Inner_Full	20.09	/	/	18.6	/	/	<=34.77	Pass
	Inner_1RB_Left	20.02	/	/	18.53	/	/	<=34.77	Pass
	Inner_1RB_Right	20.20	/	/	18.71	/	/	<=34.77	Pass
701.5	Edge_1RB_Left	21.43	/	/	19.94	/	/	<=34.77	Pass
	Edge_1RB_Right	21.45	/	/	19.96	/	/	<=34.77	Pass
	Outer_Full	21.41	/	/	19.92	/	/	<=34.77	Pass
	Inner_Full	22.92	/	/	21.43	/	/	<=34.77	Pass
	Inner_1RB_Left	23.28	/	/	21.79	/	/	<=34.77	Pass
	Inner_1RB_Right	22.74	/	/	21.25	/	/	<=34.77	Pass
707.5	Edge_1RB_Left	21.31	/	/	19.82	/	/	<=34.77	Pass
	Edge_1RB_Right	21.63	/	/	20.14	/	/	<=34.77	Pass
	Outer_Full	21.54	/	/	20.05	/	/	<=34.77	Pass
	Inner_Full	23.06	/	/	21.57	/	/	<=34.77	Pass
	Inner_1RB_Left	22.85	/	/	21.36	/	/	<=34.77	Pass
	Inner_1RB_Right	23.49	/	/	22	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.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

	713.5	Edge_1RB_Left	21.50	/	/	20.01	/	/	<=34.77	Pass
		Edge_1RB_Right	21.52	/	/	20.03	/	/	<=34.77	Pass
		Outer_Full	21.57	/	/	20.08	/	/	<=34.77	Pass
		Inner_Full	23.13	/	/	21.64	/	/	<=34.77	Pass
		Inner_1RB_Left	22.95	/	/	21.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	21.71	/	/	<=34.77	Pass
CP-OFDM 16 QAM	701.5	Edge_1RB_Left	21.43	/	/	19.94	/	/	<=34.77	Pass
		Edge_1RB_Right	21.45	/	/	19.96	/	/	<=34.77	Pass
		Outer_Full	21.35	/	/	19.86	/	/	<=34.77	Pass
		Inner_Full	22.37	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	20.93	/	/	<=34.77	Pass
		Inner_1RB_Right	22.17	/	/	20.68	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.47	/	/	19.98	/	/	<=34.77	Pass
		Edge_1RB_Right	21.70	/	/	20.21	/	/	<=34.77	Pass
		Outer_Full	21.51	/	/	20.02	/	/	<=34.77	Pass
		Inner_Full	22.61	/	/	21.12	/	/	<=34.77	Pass
		Inner_1RB_Left	23.06	/	/	21.57	/	/	<=34.77	Pass
		Inner_1RB_Right	22.67	/	/	21.18	/	/	<=34.77	Pass
CP-OFDM 64 QAM	713.5	Edge_1RB_Left	21.63	/	/	20.14	/	/	<=34.77	Pass
		Edge_1RB_Right	21.71	/	/	20.22	/	/	<=34.77	Pass
		Outer_Full	21.54	/	/	20.05	/	/	<=34.77	Pass
		Inner_Full	22.57	/	/	21.08	/	/	<=34.77	Pass
		Inner_1RB_Left	22.47	/	/	20.98	/	/	<=34.77	Pass
		Inner_1RB_Right	22.77	/	/	21.28	/	/	<=34.77	Pass
	701.5	Edge_1RB_Left	21.18	/	/	19.69	/	/	<=34.77	Pass
		Edge_1RB_Right	20.84	/	/	19.35	/	/	<=34.77	Pass
		Outer_Full	21.00	/	/	19.51	/	/	<=34.77	Pass
		Inner_Full	20.93	/	/	19.44	/	/	<=34.77	Pass
		Inner_1RB_Left	20.76	/	/	19.27	/	/	<=34.77	Pass
		Inner_1RB_Right	20.85	/	/	19.36	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.01	/	/	19.52	/	/	<=34.77	Pass
		Edge_1RB_Right	21.26	/	/	19.77	/	/	<=34.77	Pass
		Outer_Full	21.03	/	/	19.54	/	/	<=34.77	Pass
		Inner_Full	21.00	/	/	19.51	/	/	<=34.77	Pass
		Inner_1RB_Left	21.18	/	/	19.69	/	/	<=34.77	Pass
		Inner_1RB_Right	21.08	/	/	19.59	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.14	/	/	19.65	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

CP-OFDM 256 QAM	701.5	Edge_1RB_Right	20.96	/	/	19.47	/	/	<=34.77	Pass
		Outer_Full	20.98	/	/	19.49	/	/	<=34.77	Pass
		Inner_Full	21.05	/	/	19.56	/	/	<=34.77	Pass
		Inner_1RB_Left	21.35	/	/	19.86	/	/	<=34.77	Pass
		Inner_1RB_Right	20.85	/	/	19.36	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	17.88	/	/	16.39	/	/	<=34.77	Pass
		Edge_1RB_Right	17.98	/	/	16.49	/	/	<=34.77	Pass
		Outer_Full	18.00	/	/	16.51	/	/	<=34.77	Pass
		Inner_Full	17.85	/	/	16.36	/	/	<=34.77	Pass
		Inner_1RB_Left	18.26	/	/	16.77	/	/	<=34.77	Pass
		Inner_1RB_Right	17.92	/	/	16.43	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	17.95	/	/	16.46	/	/	<=34.77	Pass
		Edge_1RB_Right	18.14	/	/	16.65	/	/	<=34.77	Pass
		Outer_Full	18.06	/	/	16.57	/	/	<=34.77	Pass
		Inner_Full	18.02	/	/	16.53	/	/	<=34.77	Pass
		Inner_1RB_Left	18.12	/	/	16.63	/	/	<=34.77	Pass
		Inner_1RB_Right	18.26	/	/	16.77	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.66dB;

Note2: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 15k\_SISO\_10MHz\_NTNV\_ERP

5G NR n12 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	23.26	/	/	21.77	/	/	<=34.77	Pass
		Edge_1RB_Right	23.55	/	/	22.06	/	/	<=34.77	Pass
		Outer_Full	23.44	/	/	21.95	/	/	<=34.77	Pass
		Inner_Full	23.37	/	/	21.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	21.98	/	/	<=34.77	Pass
		Inner_1RB_Right	23.45	/	/	21.96	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.35	/	/	21.86	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	711	Edge_1RB_Right	23.57	/	/	22.08	/	/	<=34.77	Pass
		Outer_Full	23.57	/	/	22.08	/	/	<=34.77	Pass
		Inner_Full	23.53	/	/	22.04	/	/	<=34.77	Pass
		Inner_1RB_Left	23.41	/	/	21.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.66	/	/	22.17	/	/	<=34.77	Pass
		Edge_1RB_Left	23.46	/	/	21.97	/	/	<=34.77	Pass
		Edge_1RB_Right	23.57	/	/	22.08	/	/	<=34.77	Pass
		Outer_Full	23.62	/	/	22.13	/	/	<=34.77	Pass
		Inner_Full	23.60	/	/	22.11	/	/	<=34.77	Pass
		Inner_1RB_Left	23.45	/	/	21.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.59	/	/	22.1	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	704	Edge_1RB_Left	23.48	/	/	21.99	/	/	<=34.77	Pass
		Edge_1RB_Right	23.36	/	/	21.87	/	/	<=34.77	Pass
		Outer_Full	23.33	/	/	21.84	/	/	<=34.77	Pass
		Inner_Full	23.38	/	/	21.89	/	/	<=34.77	Pass
		Inner_1RB_Left	23.55	/	/	22.06	/	/	<=34.77	Pass
		Inner_1RB_Right	23.30	/	/	21.81	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.30	/	/	21.81	/	/	<=34.77	Pass
		Edge_1RB_Right	23.60	/	/	22.11	/	/	<=34.77	Pass
		Outer_Full	23.52	/	/	22.03	/	/	<=34.77	Pass
		Inner_Full	23.56	/	/	22.07	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	21.98	/	/	<=34.77	Pass
		Inner_1RB_Right	23.68	/	/	22.19	/	/	<=34.77	Pass
	711	Edge_1RB_Left	23.50	/	/	22.01	/	/	<=34.77	Pass
		Edge_1RB_Right	23.59	/	/	22.1	/	/	<=34.77	Pass
		Outer_Full	23.63	/	/	22.14	/	/	<=34.77	Pass
		Inner_Full	23.66	/	/	22.17	/	/	<=34.77	Pass
		Inner_1RB_Left	23.49	/	/	22	/	/	<=34.77	Pass
		Inner_1RB_Right	23.56	/	/	22.07	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	704	Edge_1RB_Left	22.50	/	/	21.01	/	/	<=34.77	Pass
		Edge_1RB_Right	22.23	/	/	20.74	/	/	<=34.77	Pass
		Outer_Full	22.42	/	/	20.93	/	/	<=34.77	Pass
		Inner_Full	23.36	/	/	21.87	/	/	<=34.77	Pass
		Inner_1RB_Left	23.61	/	/	22.12	/	/	<=34.77	Pass
		Inner_1RB_Right	23.27	/	/	21.78	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.47	/	/	20.98	/	/	<=34.77	Pass
		Edge_1RB_Right	22.60	/	/	21.11	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	711	Outer_Full	22.49	/	/	21	/	/	<=34.77	Pass
		Inner_Full	23.54	/	/	22.05	/	/	<=34.77	Pass
		Inner_1RB_Left	23.45	/	/	21.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.73	/	/	22.24	/	/	<=34.77	Pass
	711	Edge_1RB_Left	22.49	/	/	21	/	/	<=34.77	Pass
		Edge_1RB_Right	22.57	/	/	21.08	/	/	<=34.77	Pass
		Outer_Full	22.51	/	/	21.02	/	/	<=34.77	Pass
		Inner_Full	23.55	/	/	22.06	/	/	<=34.77	Pass
		Inner_1RB_Left	23.57	/	/	22.08	/	/	<=34.77	Pass
		Inner_1RB_Right	23.57	/	/	22.08	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	704	Edge_1RB_Left	21.70	/	/	20.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.74	/	/	20.25	/	/	<=34.77	Pass
		Outer_Full	21.92	/	/	20.43	/	/	<=34.77	Pass
		Inner_Full	21.85	/	/	20.36	/	/	<=34.77	Pass
		Inner_1RB_Left	21.92	/	/	20.43	/	/	<=34.77	Pass
		Inner_1RB_Right	21.97	/	/	20.48	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.03	/	/	20.54	/	/	<=34.77	Pass
		Edge_1RB_Right	22.10	/	/	20.61	/	/	<=34.77	Pass
		Outer_Full	22.01	/	/	20.52	/	/	<=34.77	Pass
		Inner_Full	22.08	/	/	20.59	/	/	<=34.77	Pass
		Inner_1RB_Left	22.10	/	/	20.61	/	/	<=34.77	Pass
		Inner_1RB_Right	22.21	/	/	20.72	/	/	<=34.77	Pass
	711	Edge_1RB_Left	21.76	/	/	20.27	/	/	<=34.77	Pass
		Edge_1RB_Right	21.84	/	/	20.35	/	/	<=34.77	Pass
		Outer_Full	22.04	/	/	20.55	/	/	<=34.77	Pass
		Inner_Full	22.10	/	/	20.61	/	/	<=34.77	Pass
		Inner_1RB_Left	21.90	/	/	20.41	/	/	<=34.77	Pass
		Inner_1RB_Right	22.06	/	/	20.57	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	704	Edge_1RB_Left	19.83	/	/	18.34	/	/	<=34.77	Pass
		Edge_1RB_Right	20.12	/	/	18.63	/	/	<=34.77	Pass
		Outer_Full	20.00	/	/	18.51	/	/	<=34.77	Pass
		Inner_Full	19.91	/	/	18.42	/	/	<=34.77	Pass
		Inner_1RB_Left	19.91	/	/	18.42	/	/	<=34.77	Pass
		Inner_1RB_Right	20.12	/	/	18.63	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.84	/	/	18.35	/	/	<=34.77	Pass
		Edge_1RB_Right	20.30	/	/	18.81	/	/	<=34.77	Pass
		Outer_Full	20.02	/	/	18.53	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	711	Inner_Full	20.09	/	/	18.6	/	/	<=34.77	Pass
		Inner_1RB_Left	20.13	/	/	18.64	/	/	<=34.77	Pass
		Inner_1RB_Right	20.11	/	/	18.62	/	/	<=34.77	Pass
	704	Edge_1RB_Left	20.03	/	/	18.54	/	/	<=34.77	Pass
		Edge_1RB_Right	20.24	/	/	18.75	/	/	<=34.77	Pass
		Outer_Full	20.11	/	/	18.62	/	/	<=34.77	Pass
CP-OFDM QPSK	704	Inner_Full	20.17	/	/	18.68	/	/	<=34.77	Pass
		Inner_1RB_Left	20.05	/	/	18.56	/	/	<=34.77	Pass
		Inner_1RB_Right	20.14	/	/	18.65	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.32	/	/	19.83	/	/	<=34.77	Pass
		Edge_1RB_Right	21.68	/	/	20.19	/	/	<=34.77	Pass
		Outer_Full	21.36	/	/	19.87	/	/	<=34.77	Pass
	711	Inner_Full	22.89	/	/	21.4	/	/	<=34.77	Pass
		Inner_1RB_Left	22.64	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Right	22.87	/	/	21.38	/	/	<=34.77	Pass
CP-OFDM 16 QAM	704	Edge_1RB_Left	21.35	/	/	19.86	/	/	<=34.77	Pass
		Edge_1RB_Right	21.58	/	/	20.09	/	/	<=34.77	Pass
		Outer_Full	21.56	/	/	20.07	/	/	<=34.77	Pass
		Inner_Full	23.11	/	/	21.62	/	/	<=34.77	Pass
		Inner_1RB_Left	23.01	/	/	21.52	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	21.8	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.36	/	/	19.87	/	/	<=34.77	Pass
		Edge_1RB_Right	21.63	/	/	20.14	/	/	<=34.77	Pass
		Outer_Full	21.64	/	/	20.15	/	/	<=34.77	Pass
		Inner_Full	23.17	/	/	21.68	/	/	<=34.77	Pass
		Inner_1RB_Left	22.95	/	/	21.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.09	/	/	21.6	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	711	Inner_1RB_Left	22.14	/	/	20.65	/	/	<=34.77	Pass
		Inner_1RB_Right	22.57	/	/	21.08	/	/	<=34.77	Pass
		Edge_1RB_Left	21.45	/	/	19.96	/	/	<=34.77	Pass
		Edge_1RB_Right	21.33	/	/	19.84	/	/	<=34.77	Pass
		Outer_Full	21.61	/	/	20.12	/	/	<=34.77	Pass
		Inner_Full	22.55	/	/	21.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.70	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Right	22.50	/	/	21.01	/	/	<=34.77	Pass
		Edge_1RB_Left	20.91	/	/	19.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.17	/	/	19.68	/	/	<=34.77	Pass
CP-OFDM 64 QAM	704	Outer_Full	20.85	/	/	19.36	/	/	<=34.77	Pass
		Inner_Full	20.83	/	/	19.34	/	/	<=34.77	Pass
		Inner_1RB_Left	20.78	/	/	19.29	/	/	<=34.77	Pass
		Inner_1RB_Right	20.92	/	/	19.43	/	/	<=34.77	Pass
		Edge_1RB_Left	21.03	/	/	19.54	/	/	<=34.77	Pass
		Edge_1RB_Right	21.15	/	/	19.66	/	/	<=34.77	Pass
	707.5	Outer_Full	21.02	/	/	19.53	/	/	<=34.77	Pass
		Inner_Full	20.99	/	/	19.5	/	/	<=34.77	Pass
		Inner_1RB_Left	21.07	/	/	19.58	/	/	<=34.77	Pass
		Inner_1RB_Right	21.21	/	/	19.72	/	/	<=34.77	Pass
		Edge_1RB_Left	20.99	/	/	19.5	/	/	<=34.77	Pass
		Edge_1RB_Right	20.99	/	/	19.5	/	/	<=34.77	Pass
CP-OFDM 256 QAM	711	Outer_Full	21.13	/	/	19.64	/	/	<=34.77	Pass
		Inner_Full	21.08	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Left	20.84	/	/	19.35	/	/	<=34.77	Pass
		Inner_1RB_Right	21.08	/	/	19.59	/	/	<=34.77	Pass
		Edge_1RB_Left	18.02	/	/	16.53	/	/	<=34.77	Pass
		Edge_1RB_Right	18.05	/	/	16.56	/	/	<=34.77	Pass
	704	Outer_Full	17.88	/	/	16.39	/	/	<=34.77	Pass
		Inner_Full	17.95	/	/	16.46	/	/	<=34.77	Pass
		Inner_1RB_Left	17.73	/	/	16.24	/	/	<=34.77	Pass
		Inner_1RB_Right	18.14	/	/	16.65	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	17.75	/	/	16.26	/	/	<=34.77	Pass
		Edge_1RB_Right	18.26	/	/	16.77	/	/	<=34.77	Pass
		Outer_Full	18.13	/	/	16.64	/	/	<=34.77	Pass
		Inner_Full	18.13	/	/	16.64	/	/	<=34.77	Pass
		Inner_1RB_Left	17.97	/	/	16.48	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

711	Inner_1RB_Right	18.22	/	/	16.73	/	/	<=34.77	Pass
	Edge_1RB_Left	17.87	/	/	16.38	/	/	<=34.77	Pass
	Edge_1RB_Right	18.29	/	/	16.8	/	/	<=34.77	Pass
	Outer_Full	18.09	/	/	16.6	/	/	<=34.77	Pass
	Inner_Full	18.20	/	/	16.71	/	/	<=34.77	Pass
	Inner_1RB_Left	18.16	/	/	16.67	/	/	<=34.77	Pass
	Inner_1RB_Right	18.01	/	/	16.52	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.66dBi;  
 Note2: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.3 15k\_SISO\_15MHz\_NTNV\_ERP

5G NR n12 SCS=15kHz SISO 15MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)			Verdict	
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	23.62	/	/	22.13	/	/	<=34.77	Pass
		Edge_1RB_Right	23.73	/	/	22.24	/	/	<=34.77	Pass
		Outer_Full	23.70	/	/	22.21	/	/	<=34.77	Pass
		Inner_Full	23.62	/	/	22.13	/	/	<=34.77	Pass
		Inner_1RB_Left	23.63	/	/	22.14	/	/	<=34.77	Pass
		Inner_1RB_Right	23.67	/	/	22.18	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.55	/	/	22.06	/	/	<=34.77	Pass
		Edge_1RB_Right	23.73	/	/	22.24	/	/	<=34.77	Pass
		Outer_Full	23.71	/	/	22.22	/	/	<=34.77	Pass
		Inner_Full	23.78	/	/	22.29	/	/	<=34.77	Pass
		Inner_1RB_Left	23.58	/	/	22.09	/	/	<=34.77	Pass
		Inner_1RB_Right	23.70	/	/	22.21	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	708.5	Edge_1RB_Left	23.55	/	/	22.06	/	/	<=34.77	Pass
		Edge_1RB_Right	23.64	/	/	22.15	/	/	<=34.77	Pass
		Outer_Full	23.73	/	/	22.24	/	/	<=34.77	Pass
		Inner_Full	23.75	/	/	22.26	/	/	<=34.77	Pass
		Inner_1RB_Left	23.51	/	/	22.02	/	/	<=34.77	Pass
		Inner_1RB_Right	23.69	/	/	22.2	/	/	<=34.77	Pass
	706.5	Edge_1RB_Left	23.65	/	/	22.16	/	/	<=34.77	Pass
		Edge_1RB_Right	23.66	/	/	22.17	/	/	<=34.77	Pass
		Outer_Full	23.68	/	/	22.19	/	/	<=34.77	Pass
		Inner_Full	23.60	/	/	22.11	/	/	<=34.77	Pass
		Inner_1RB_Left	23.65	/	/	22.16	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	707.5	Inner_1RB_Right	23.63	/	/	22.14	/	/	<=34.77	Pass
		Edge_1RB_Left	23.60	/	/	22.11	/	/	<=34.77	Pass
		Edge_1RB_Right	23.67	/	/	22.18	/	/	<=34.77	Pass
		Outer_Full	23.69	/	/	22.2	/	/	<=34.77	Pass
		Inner_Full	23.69	/	/	22.2	/	/	<=34.77	Pass
		Inner_1RB_Left	23.57	/	/	22.08	/	/	<=34.77	Pass
		Inner_1RB_Right	23.73	/	/	22.24	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	23.59	/	/	22.1	/	/	<=34.77	Pass
		Edge_1RB_Right	23.67	/	/	22.18	/	/	<=34.77	Pass
		Outer_Full	23.80	/	/	22.31	/	/	<=34.77	Pass
		Inner_Full	23.73	/	/	22.24	/	/	<=34.77	Pass
		Inner_1RB_Left	23.49	/	/	22	/	/	<=34.77	Pass
		Inner_1RB_Right	23.61	/	/	22.12	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	706.5	Edge_1RB_Left	22.40	/	/	20.91	/	/	<=34.77	Pass
		Edge_1RB_Right	22.75	/	/	21.26	/	/	<=34.77	Pass
		Outer_Full	22.61	/	/	21.12	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	22.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.60	/	/	22.11	/	/	<=34.77	Pass
		Inner_1RB_Right	23.75	/	/	22.26	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.45	/	/	20.96	/	/	<=34.77	Pass
		Edge_1RB_Right	22.69	/	/	21.2	/	/	<=34.77	Pass
		Outer_Full	22.70	/	/	21.21	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	22.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.44	/	/	21.95	/	/	<=34.77	Pass
		Inner_1RB_Right	23.91	/	/	22.42	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	708.5	Edge_1RB_Left	22.68	/	/	21.19	/	/	<=34.77	Pass
		Edge_1RB_Right	23.04	/	/	21.55	/	/	<=34.77	Pass
		Outer_Full	22.72	/	/	21.23	/	/	<=34.77	Pass
		Inner_Full	23.81	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Left	23.56	/	/	22.07	/	/	<=34.77	Pass
		Inner_1RB_Right	23.50	/	/	22.01	/	/	<=34.77	Pass
	706.5	Edge_1RB_Left	22.22	/	/	20.73	/	/	<=34.77	Pass
		Edge_1RB_Right	22.03	/	/	20.54	/	/	<=34.77	Pass
		Outer_Full	22.15	/	/	20.66	/	/	<=34.77	Pass
		Inner_Full	22.12	/	/	20.63	/	/	<=34.77	Pass
		Inner_1RB_Left	21.84	/	/	20.35	/	/	<=34.77	Pass
		Inner_1RB_Right	22.13	/	/	20.64	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	707.5	Edge_1RB_Left	22.13	/	/	20.64	/	/	<=34.77	Pass
		Edge_1RB_Right	22.11	/	/	20.62	/	/	<=34.77	Pass
		Outer_Full	22.22	/	/	20.73	/	/	<=34.77	Pass
		Inner_Full	22.15	/	/	20.66	/	/	<=34.77	Pass
		Inner_1RB_Left	22.19	/	/	20.7	/	/	<=34.77	Pass
		Inner_1RB_Right	22.34	/	/	20.85	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.78	/	/	20.29	/	/	<=34.77	Pass
		Edge_1RB_Right	22.37	/	/	20.88	/	/	<=34.77	Pass
		Outer_Full	22.22	/	/	20.73	/	/	<=34.77	Pass
		Inner_Full	22.23	/	/	20.74	/	/	<=34.77	Pass
		Inner_1RB_Left	21.94	/	/	20.45	/	/	<=34.77	Pass
		Inner_1RB_Right	22.10	/	/	20.61	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	706.5	Edge_1RB_Left	20.19	/	/	18.7	/	/	<=34.77	Pass
		Edge_1RB_Right	20.27	/	/	18.78	/	/	<=34.77	Pass
		Outer_Full	20.12	/	/	18.63	/	/	<=34.77	Pass
		Inner_Full	20.16	/	/	18.67	/	/	<=34.77	Pass
		Inner_1RB_Left	20.01	/	/	18.52	/	/	<=34.77	Pass
		Inner_1RB_Right	20.23	/	/	18.74	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.18	/	/	18.69	/	/	<=34.77	Pass
		Edge_1RB_Right	20.39	/	/	18.9	/	/	<=34.77	Pass
		Outer_Full	20.19	/	/	18.7	/	/	<=34.77	Pass
		Inner_Full	20.13	/	/	18.64	/	/	<=34.77	Pass
		Inner_1RB_Left	20.32	/	/	18.83	/	/	<=34.77	Pass
		Inner_1RB_Right	20.24	/	/	18.75	/	/	<=34.77	Pass
CP-OFDM QPSK	708.5	Edge_1RB_Left	20.16	/	/	18.67	/	/	<=34.77	Pass
		Edge_1RB_Right	20.26	/	/	18.77	/	/	<=34.77	Pass
		Outer_Full	20.17	/	/	18.68	/	/	<=34.77	Pass
		Inner_Full	20.24	/	/	18.75	/	/	<=34.77	Pass
		Inner_1RB_Left	20.04	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Right	20.09	/	/	18.6	/	/	<=34.77	Pass
	706.5	Edge_1RB_Left	21.48	/	/	19.99	/	/	<=34.77	Pass
		Edge_1RB_Right	21.65	/	/	20.16	/	/	<=34.77	Pass
		Outer_Full	21.67	/	/	20.18	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	21.77	/	/	<=34.77	Pass
		Inner_1RB_Left	23.05	/	/	21.56	/	/	<=34.77	Pass
		Inner_1RB_Right	22.96	/	/	21.47	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.33	/	/	19.84	/	/	<=34.77	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	708.5	Edge_1RB_Right	21.63	/	/	20.14	/	/	<=34.77	Pass
		Outer_Full	21.79	/	/	20.3	/	/	<=34.77	Pass
		Inner_Full	23.19	/	/	21.7	/	/	<=34.77	Pass
		Inner_1RB_Left	23.04	/	/	21.55	/	/	<=34.77	Pass
		Inner_1RB_Right	23.17	/	/	21.68	/	/	<=34.77	Pass
		Edge_1RB_Left	21.37	/	/	19.88	/	/	<=34.77	Pass
		Edge_1RB_Right	21.57	/	/	20.08	/	/	<=34.77	Pass
		Outer_Full	21.66	/	/	20.17	/	/	<=34.77	Pass
		Inner_Full	23.24	/	/	21.75	/	/	<=34.77	Pass
		Inner_1RB_Left	22.89	/	/	21.4	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	21.8	/	/	<=34.77	Pass
CP-OFDM 16 QAM	706.5	Edge_1RB_Left	21.56	/	/	20.07	/	/	<=34.77	Pass
		Edge_1RB_Right	21.71	/	/	20.22	/	/	<=34.77	Pass
		Outer_Full	21.52	/	/	20.03	/	/	<=34.77	Pass
		Inner_Full	22.62	/	/	21.13	/	/	<=34.77	Pass
		Inner_1RB_Left	22.52	/	/	21.03	/	/	<=34.77	Pass
		Inner_1RB_Right	22.43	/	/	20.94	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.99	/	/	20.5	/	/	<=34.77	Pass
		Edge_1RB_Right	21.57	/	/	20.08	/	/	<=34.77	Pass
		Outer_Full	21.59	/	/	20.1	/	/	<=34.77	Pass
		Inner_Full	22.72	/	/	21.23	/	/	<=34.77	Pass
		Inner_1RB_Left	22.30	/	/	20.81	/	/	<=34.77	Pass
		Inner_1RB_Right	22.66	/	/	21.17	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.82	/	/	20.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.90	/	/	20.41	/	/	<=34.77	Pass
		Outer_Full	21.73	/	/	20.24	/	/	<=34.77	Pass
		Inner_Full	22.70	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.54	/	/	21.05	/	/	<=34.77	Pass
		Inner_1RB_Right	22.43	/	/	20.94	/	/	<=34.77	Pass
CP-OFDM 64 QAM	706.5	Edge_1RB_Left	21.06	/	/	19.57	/	/	<=34.77	Pass
		Edge_1RB_Right	21.08	/	/	19.59	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	19.71	/	/	<=34.77	Pass
		Inner_Full	21.17	/	/	19.68	/	/	<=34.77	Pass
		Inner_1RB_Left	21.05	/	/	19.56	/	/	<=34.77	Pass
		Inner_1RB_Right	21.35	/	/	19.86	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.07	/	/	19.58	/	/	<=34.77	Pass
		Edge_1RB_Right	21.14	/	/	19.65	/	/	<=34.77	Pass

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	708.5	Outer_Full	21.25	/	/	19.76	/	/	<=34.77	Pass
		Inner_Full	21.19	/	/	19.7	/	/	<=34.77	Pass
		Inner_1RB_Left	21.24	/	/	19.75	/	/	<=34.77	Pass
		Inner_1RB_Right	21.17	/	/	19.68	/	/	<=34.77	Pass
		Edge_1RB_Left	21.14	/	/	19.65	/	/	<=34.77	Pass
		Edge_1RB_Right	21.10	/	/	19.61	/	/	<=34.77	Pass
		Outer_Full	21.26	/	/	19.77	/	/	<=34.77	Pass
		Inner_Full	21.23	/	/	19.74	/	/	<=34.77	Pass
		Inner_1RB_Left	21.09	/	/	19.6	/	/	<=34.77	Pass
		Inner_1RB_Right	21.05	/	/	19.56	/	/	<=34.77	Pass
		Edge_1RB_Left	18.41	/	/	16.92	/	/	<=34.77	Pass
		Edge_1RB_Right	18.33	/	/	16.84	/	/	<=34.77	Pass
		Outer_Full	18.16	/	/	16.67	/	/	<=34.77	Pass
		Inner_Full	18.16	/	/	16.67	/	/	<=34.77	Pass
CP-OFDM 256 QAM	706.5	Inner_1RB_Left	18.32	/	/	16.83	/	/	<=34.77	Pass
		Inner_1RB_Right	18.41	/	/	16.92	/	/	<=34.77	Pass
		Edge_1RB_Left	18.18	/	/	16.69	/	/	<=34.77	Pass
		Edge_1RB_Right	18.34	/	/	16.85	/	/	<=34.77	Pass
		Outer_Full	18.34	/	/	16.85	/	/	<=34.77	Pass
		Inner_Full	18.25	/	/	16.76	/	/	<=34.77	Pass
	707.5	Inner_1RB_Left	18.17	/	/	16.68	/	/	<=34.77	Pass
		Inner_1RB_Right	18.35	/	/	16.86	/	/	<=34.77	Pass
		Edge_1RB_Left	18.22	/	/	16.73	/	/	<=34.77	Pass
		Edge_1RB_Right	18.13	/	/	16.64	/	/	<=34.77	Pass
		Outer_Full	18.20	/	/	16.71	/	/	<=34.77	Pass
		Inner_Full	18.27	/	/	16.78	/	/	<=34.77	Pass
	708.5	Inner_1RB_Left	18.14	/	/	16.65	/	/	<=34.77	Pass
		Inner_1RB_Right	18.30	/	/	16.81	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.66dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15k\_SISO\_15MHz



Unless otherwise agreed 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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

5G NR n12 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	20	LV	-7.50	-0.0106	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0088	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0110	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0102	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0110	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0098	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0083	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0116	>=-2.5 & <=2.5	Pass
			50	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	-5.90	-0.0083	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0051	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0092	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0090	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0119	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0079	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0099	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0086	>=-2.5 & <=2.5	Pass
			50	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	20	LV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0082	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0099	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0088	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0109	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0092	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0082	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0099	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	20	LV	-3.40	-0.0048	>=-2.5 & <=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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

				HV	-3.80	-0.0054	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0082	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0095	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0093	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0095	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0089	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0079	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0082	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	20	LV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	1.80	0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	707.5	Outer_Full	20	LV	-5.60	-0.0079	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0066	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			30	NV	-10.70	-0.0151	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0061	>=-2.5 & <=2.5	Pass
			50	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	20	LV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0081	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0052	>=-2.5 & <=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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)



			0	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0089	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0076	>=-2.5 & <=2.5	Pass
			50	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	20	LV	-6.80	-0.0096	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0076	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0082	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0073	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0105	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0068	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	2.10	0.0030	>=-2.5 & <=2.5	Pass
			20	LV	-5.50	-0.0078	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0083	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	-30	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 15k\_SISO\_5MHz\_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTNv						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	701.5	Outer_Full	4.56	5.26	/	Pass
	707.5	Outer_Full	4.56	5.37	/	Pass
	713.5	Outer_Full	4.57	5.32	/	Pass
DFT-s-OFDM QPSK	701.5	Outer_Full	4.56	5.32	/	Pass
	707.5	Outer_Full	4.58	5.41	/	Pass
	713.5	Outer_Full	4.57	5.40	/	Pass
DFT-s-OFDM 16 QAM	701.5	Outer_Full	4.56	5.36	/	Pass
	707.5	Outer_Full	4.57	5.40	/	Pass
	713.5	Outer_Full	4.53	5.04	/	Pass
DFT-s-OFDM 64 QAM	701.5	Outer_Full	4.56	5.31	/	Pass
	707.5	Outer_Full	4.58	5.37	/	Pass
	713.5	Outer_Full	4.58	5.31	/	Pass
DFT-s-OFDM 256 QAM	701.5	Outer_Full	4.57	5.33	/	Pass
	707.5	Outer_Full	4.59	5.34	/	Pass
	713.5	Outer_Full	4.60	5.40	/	Pass
CP-OFDM QPSK	701.5	Outer_Full	4.56	5.31	/	Pass
	707.5	Outer_Full	4.54	5.29	/	Pass
	713.5	Outer_Full	4.57	5.44	/	Pass
CP-OFDM 16 QAM	701.5	Outer_Full	4.53	5.19	/	Pass
	707.5	Outer_Full	4.55	5.29	/	Pass
	713.5	Outer_Full	4.55	5.37	/	Pass
CP-OFDM 64 QAM	701.5	Outer_Full	4.56	5.31	/	Pass
	707.5	Outer_Full	4.57	5.26	/	Pass
	713.5	Outer_Full	4.57	5.30	/	Pass
CP-OFDM 256 QAM	701.5	Outer_Full	4.56	5.28	/	Pass
	707.5	Outer_Full	4.57	5.38	/	Pass
	713.5	Outer_Full	4.53	5.28	/	Pass

### 3.1.2 15k\_SISO\_10MHz\_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	704	Outer_Full	9.02	9.93	/	Pass
	707.5	Outer_Full	9.06	10.06	/	Pass
	711	Outer_Full	9.08	9.96	/	Pass
DFT-s-OFDM QPSK	704	Outer_Full	9.02	10.06	/	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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

	707.5	Outer_Full	9.05	10.04	/	Pass
	711	Outer_Full	9.06	10.00	/	Pass
DFT-s-OFDM 16 QAM	704	Outer_Full	9.04	9.97	/	Pass
	707.5	Outer_Full	9.04	10.08	/	Pass
	711	Outer_Full	9.06	10.07	/	Pass
DFT-s-OFDM 64 QAM	704	Outer_Full	9.06	10.05	/	Pass
	707.5	Outer_Full	9.06	9.97	/	Pass
	711	Outer_Full	9.07	10.05	/	Pass
DFT-s-OFDM 256 QAM	704	Outer_Full	9.01	10.01	/	Pass
	707.5	Outer_Full	9.05	10.06	/	Pass
	711	Outer_Full	9.08	9.99	/	Pass
CP-OFDM QPSK	704	Outer_Full	9.36	10.42	/	Pass
	707.5	Outer_Full	9.38	10.46	/	Pass
	711	Outer_Full	9.39	10.41	/	Pass
CP-OFDM 16 QAM	704	Outer_Full	9.35	10.29	/	Pass
	707.5	Outer_Full	9.37	10.43	/	Pass
	711	Outer_Full	9.40	10.39	/	Pass
CP-OFDM 64 QAM	704	Outer_Full	9.36	10.40	/	Pass
	707.5	Outer_Full	9.37	10.46	/	Pass
	711	Outer_Full	9.40	10.47	/	Pass
CP-OFDM 256 QAM	704	Outer_Full	9.35	10.38	/	Pass
	707.5	Outer_Full	9.39	10.41	/	Pass
	711	Outer_Full	9.36	10.36	/	Pass

### 3.1.3 15k\_SISO\_15MHz\_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTVN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	706.5	Outer_Full	13.58	14.77	/	Pass
	707.5	Outer_Full	13.60	14.77	/	Pass
	708.5	Outer_Full	13.61	14.74	/	Pass
DFT-s-OFDM QPSK	706.5	Outer_Full	13.60	14.69	/	Pass
	707.5	Outer_Full	13.58	14.83	/	Pass
	708.5	Outer_Full	13.59	14.93	/	Pass
DFT-s-OFDM 16 QAM	706.5	Outer_Full	13.54	14.77	/	Pass
	707.5	Outer_Full	13.59	14.79	/	Pass
	708.5	Outer_Full	13.63	14.83	/	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.Dcccheck@sgs.com](mailto:CN.Dcccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

DFT-s-OFDM 64 QAM	706.5	Outer_Full	13.57	14.85	/	Pass
	707.5	Outer_Full	13.55	14.71	/	Pass
	708.5	Outer_Full	13.60	14.71	/	Pass
DFT-s-OFDM 256 QAM	706.5	Outer_Full	13.63	14.60	/	Pass
	707.5	Outer_Full	13.56	14.81	/	Pass
	708.5	Outer_Full	13.60	14.87	/	Pass
CP-OFDM QPSK	706.5	Outer_Full	14.23	15.50	/	Pass
	707.5	Outer_Full	14.26	15.53	/	Pass
	708.5	Outer_Full	14.29	15.54	/	Pass
CP-OFDM 16 QAM	706.5	Outer_Full	14.24	15.31	/	Pass
	707.5	Outer_Full	14.28	15.23	/	Pass
	708.5	Outer_Full	14.29	15.47	/	Pass
CP-OFDM 64 QAM	706.5	Outer_Full	14.27	15.57	/	Pass
	707.5	Outer_Full	14.31	15.60	/	Pass
	708.5	Outer_Full	14.28	15.50	/	Pass
CP-OFDM 256 QAM	706.5	Outer_Full	14.22	15.50	/	Pass
	707.5	Outer_Full	14.23	15.55	/	Pass
	708.5	Outer_Full	14.23	15.41	/	Pass



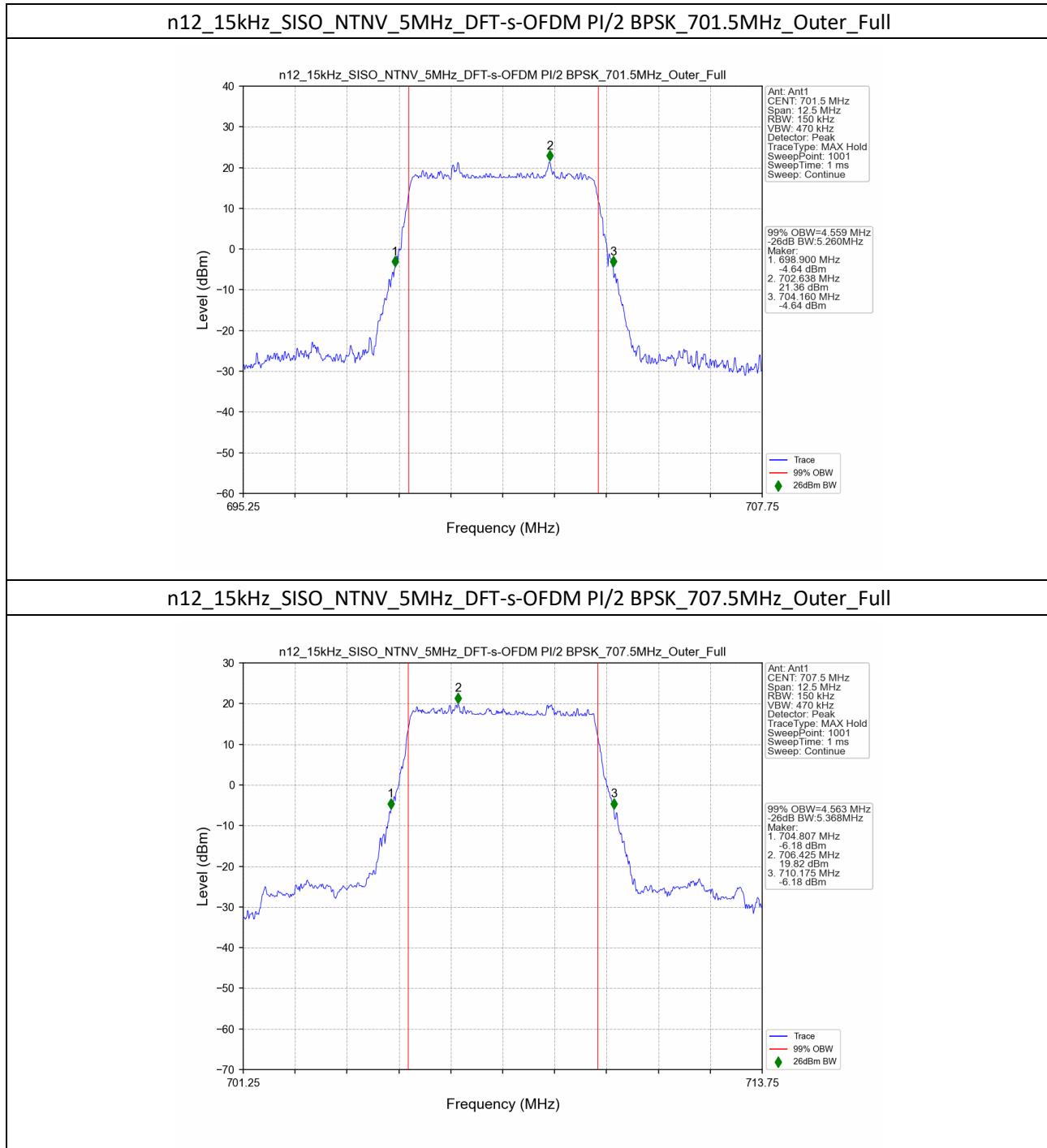
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

### 3.2 Test Graph

#### 3.2.1 15k\_SISO\_5MHz\_NTNV



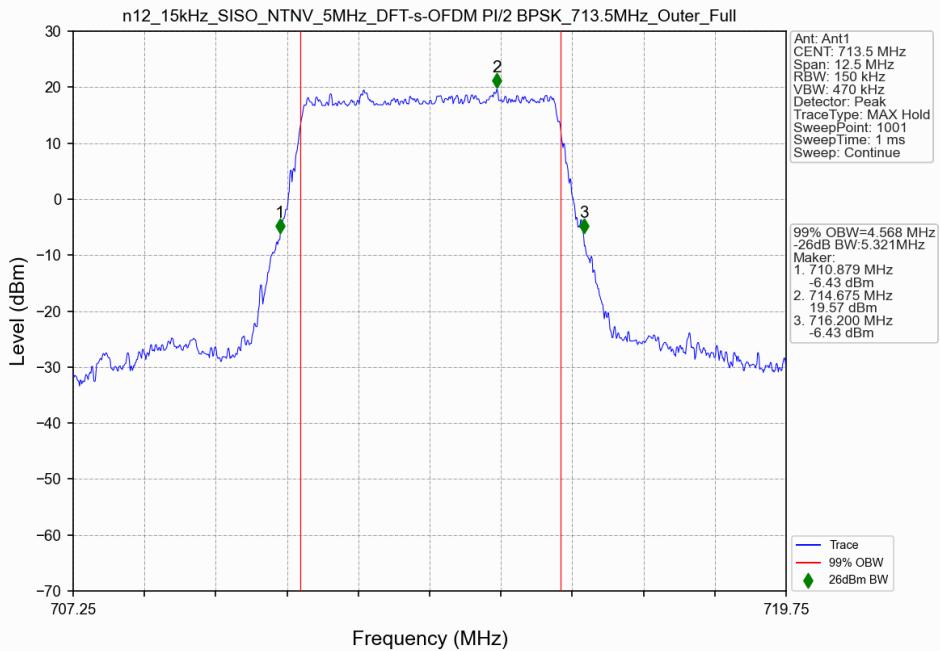
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

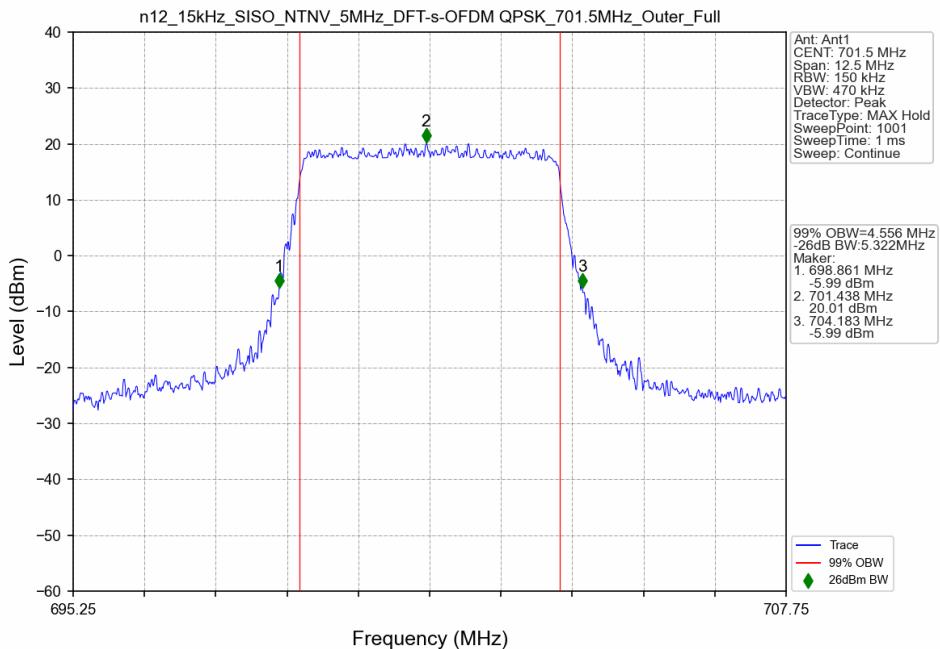
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, Wireless Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.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

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_713.5MHz\_Outer\_Full



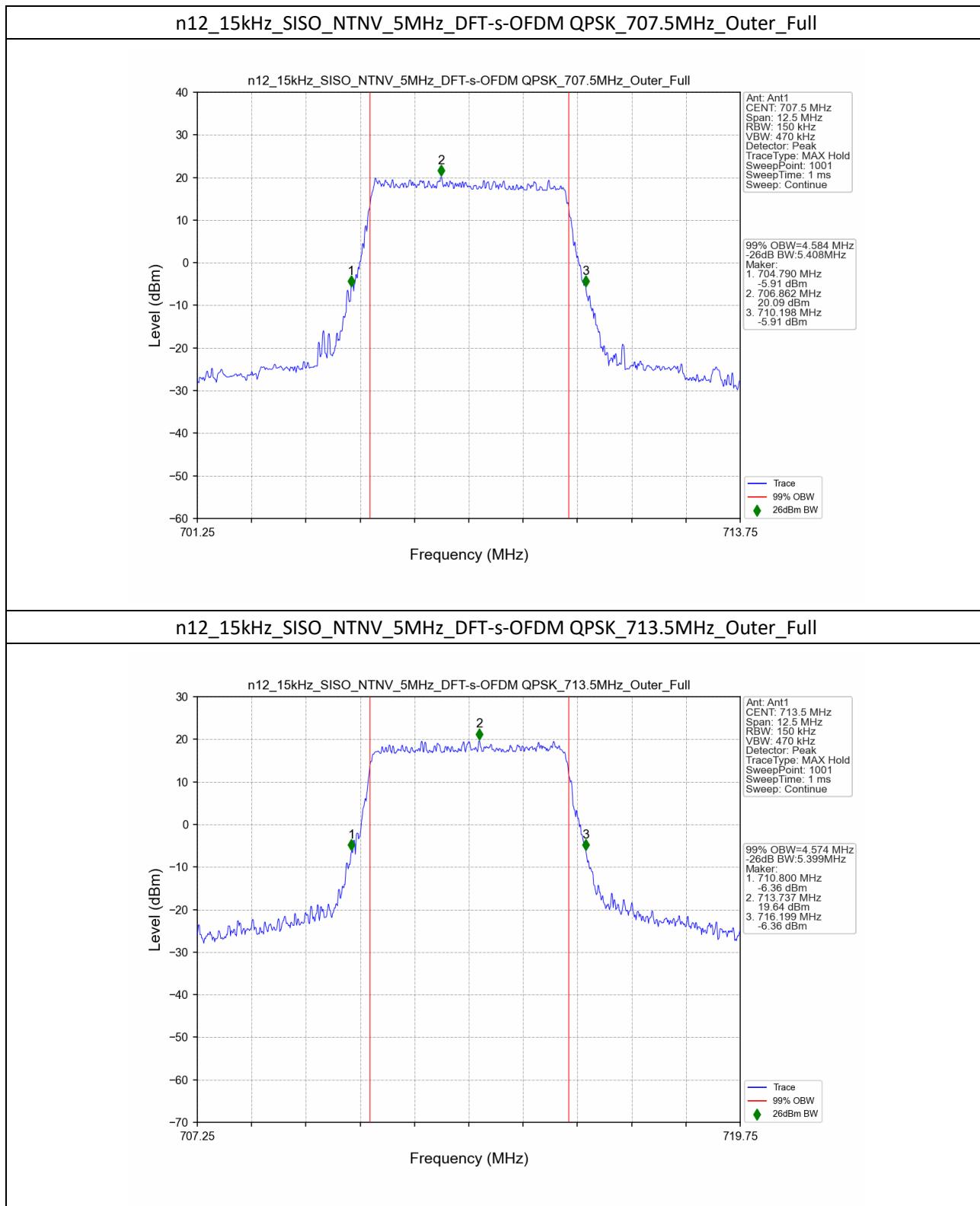
## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_701.5MHz\_Outer\_Full



Unless otherwise agreed 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](mailto: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.sgsgroup.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

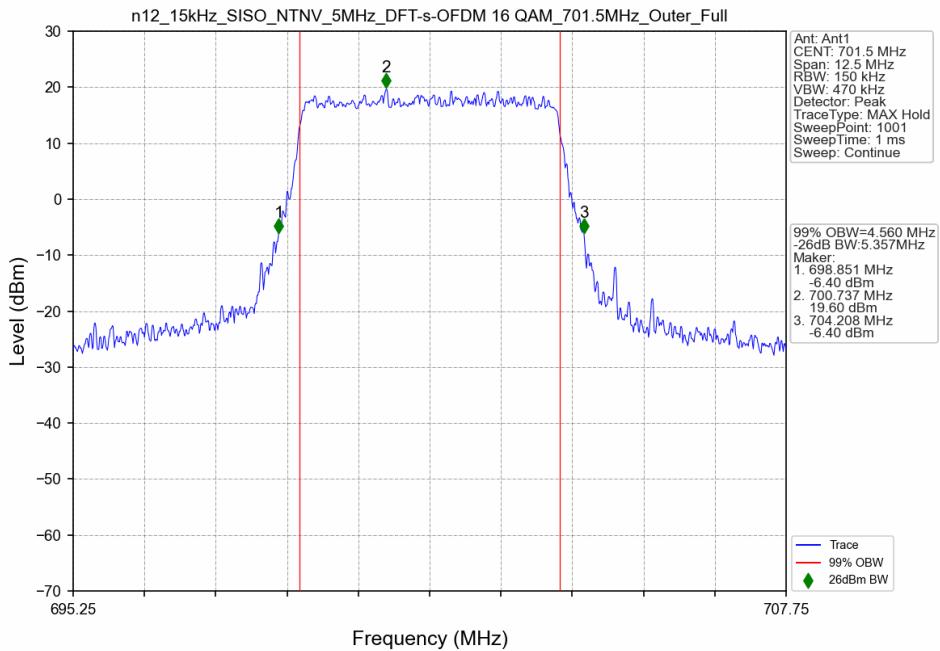


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

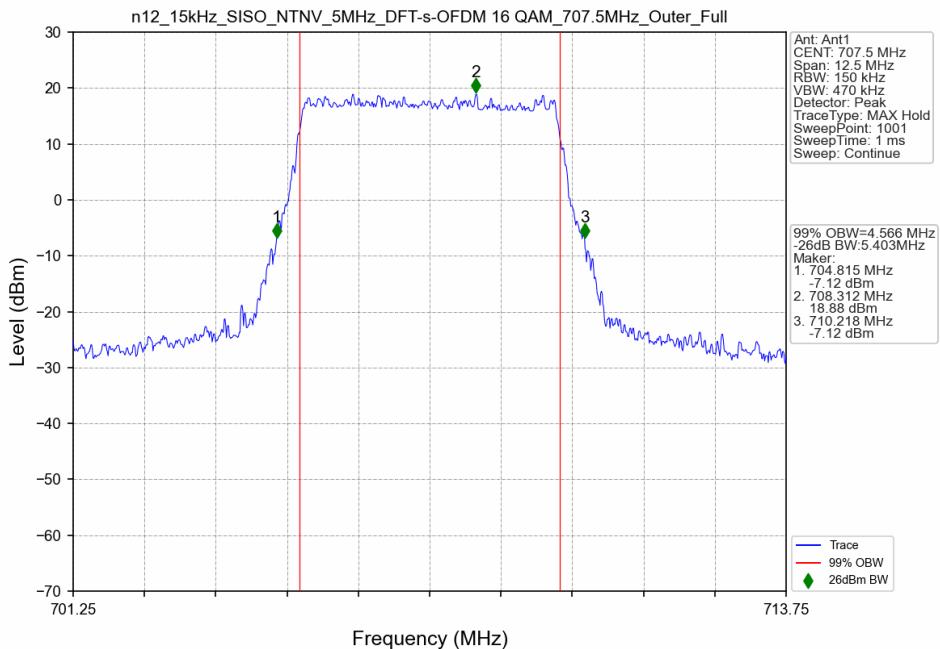
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_701.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_707.5MHz\_Outer\_Full

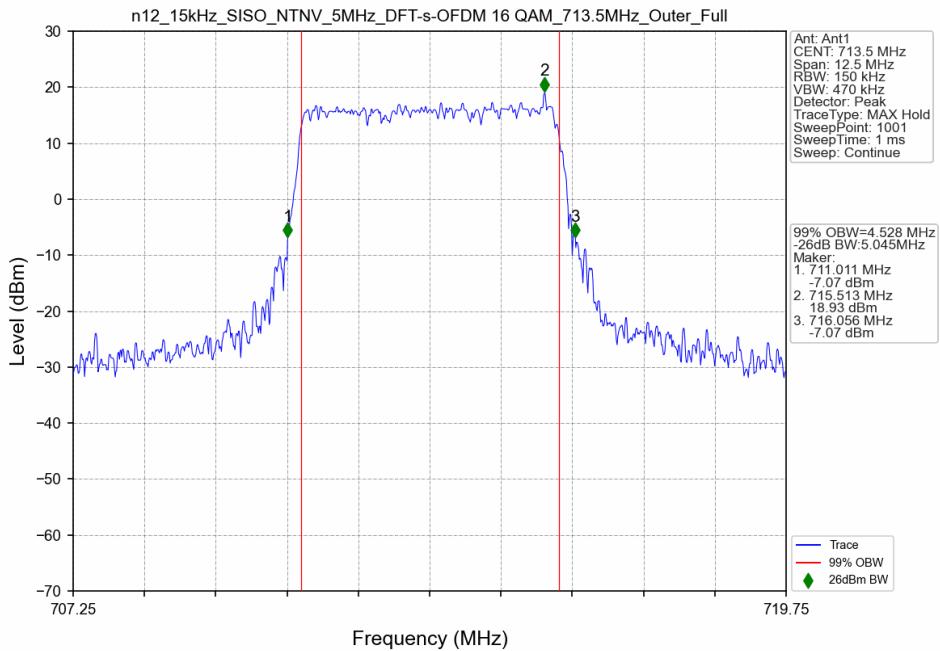


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

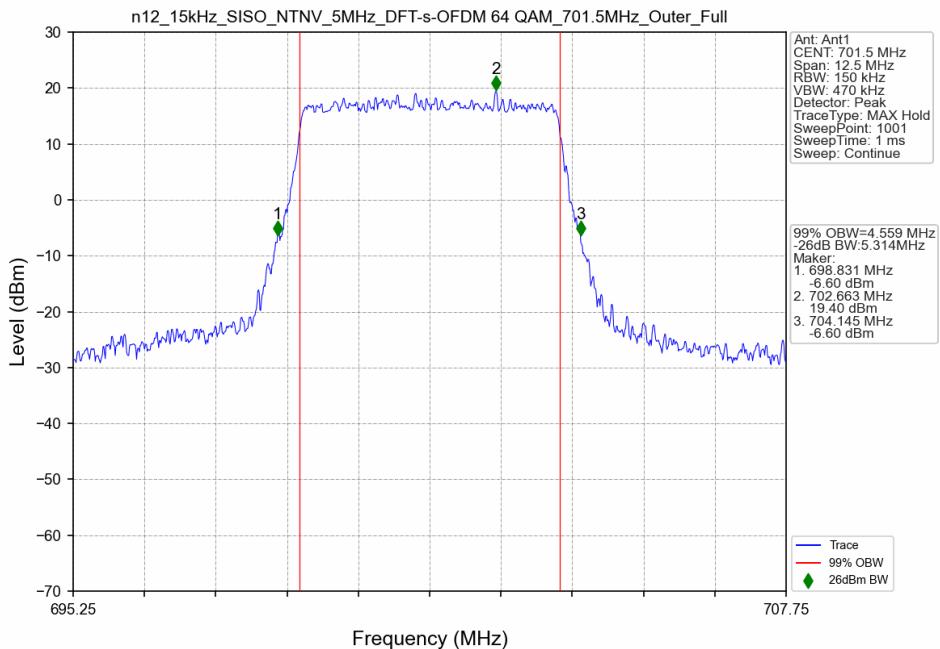
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_713.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_701.5MHz\_Outer\_Full

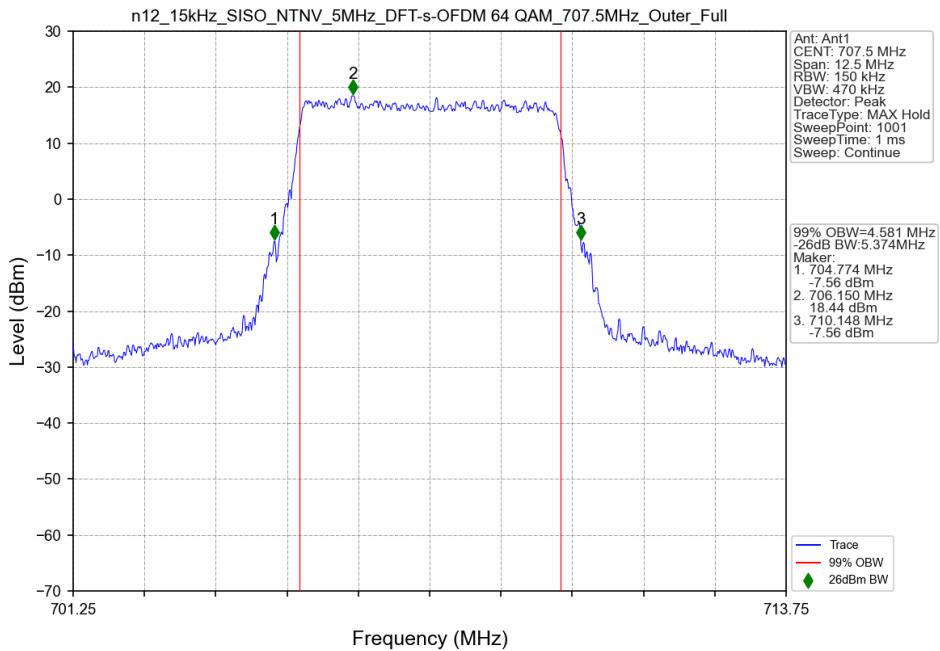


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

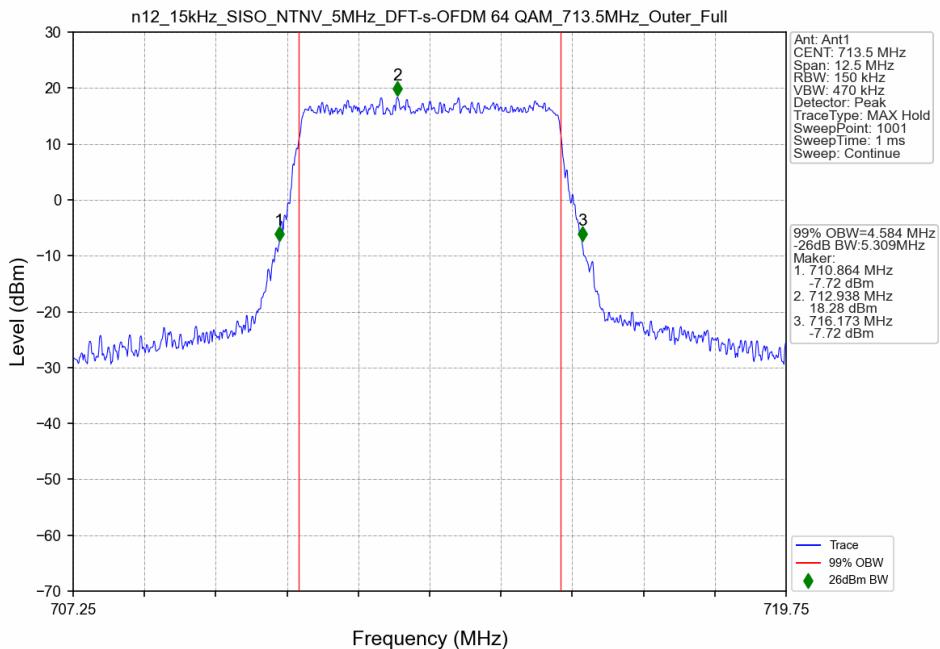
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_707.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_713.5MHz\_Outer\_Full

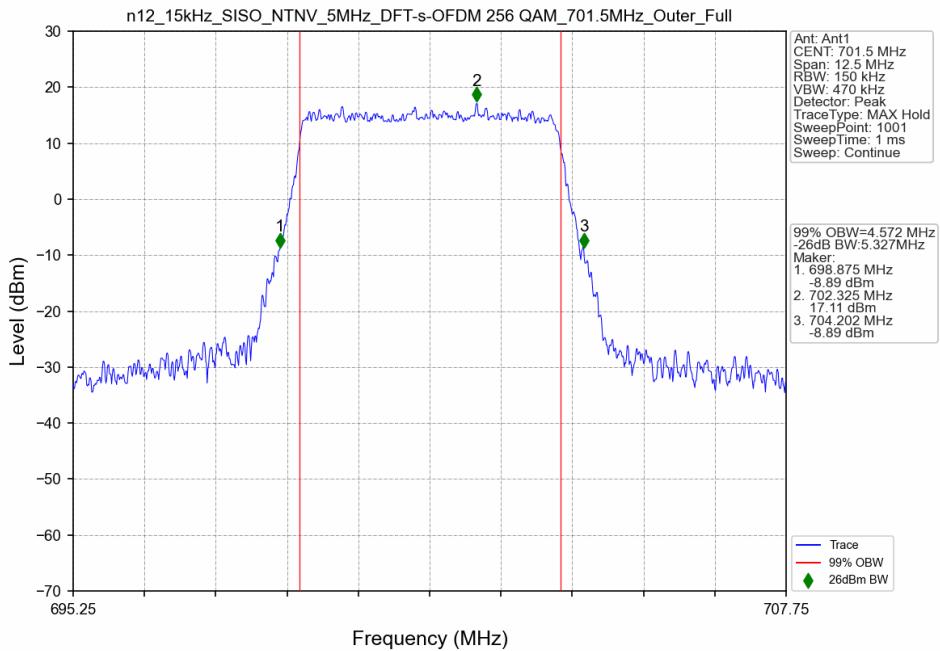


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

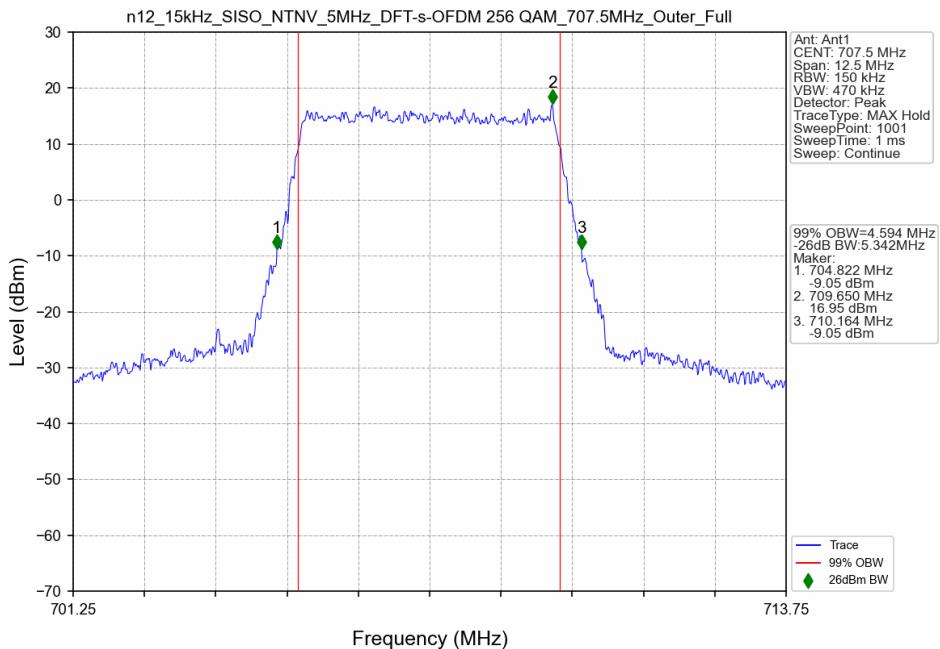
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_701.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_707.5MHz\_Outer\_Full

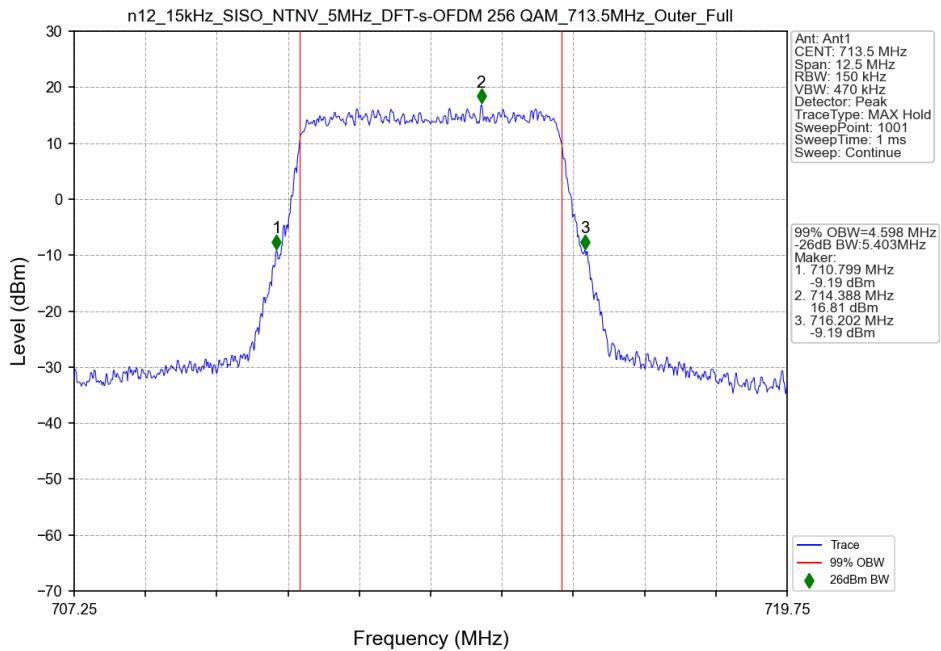


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

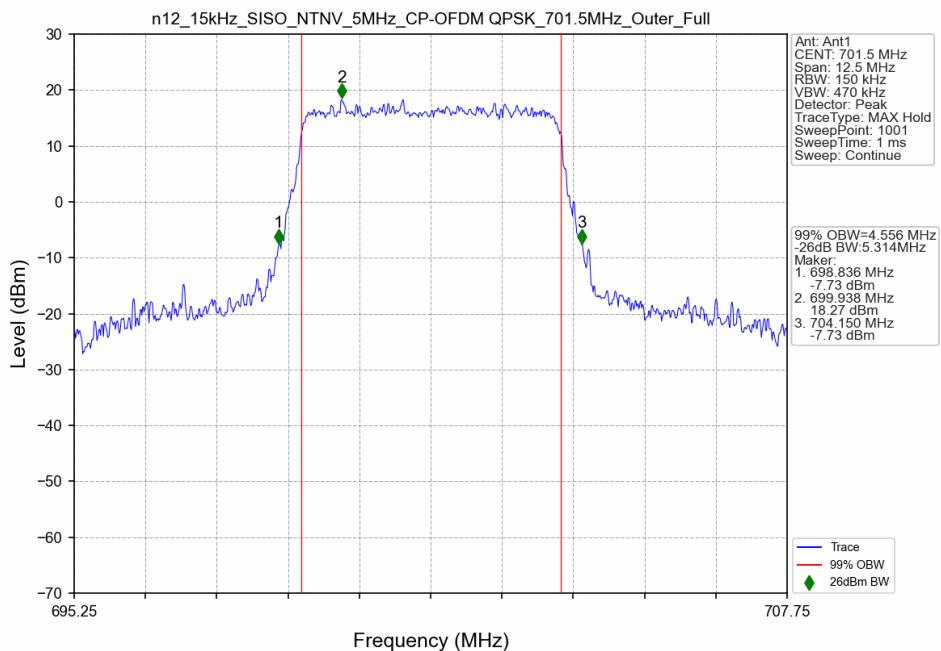
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.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

## n12\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_713.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_701.5MHz\_Outer\_Full

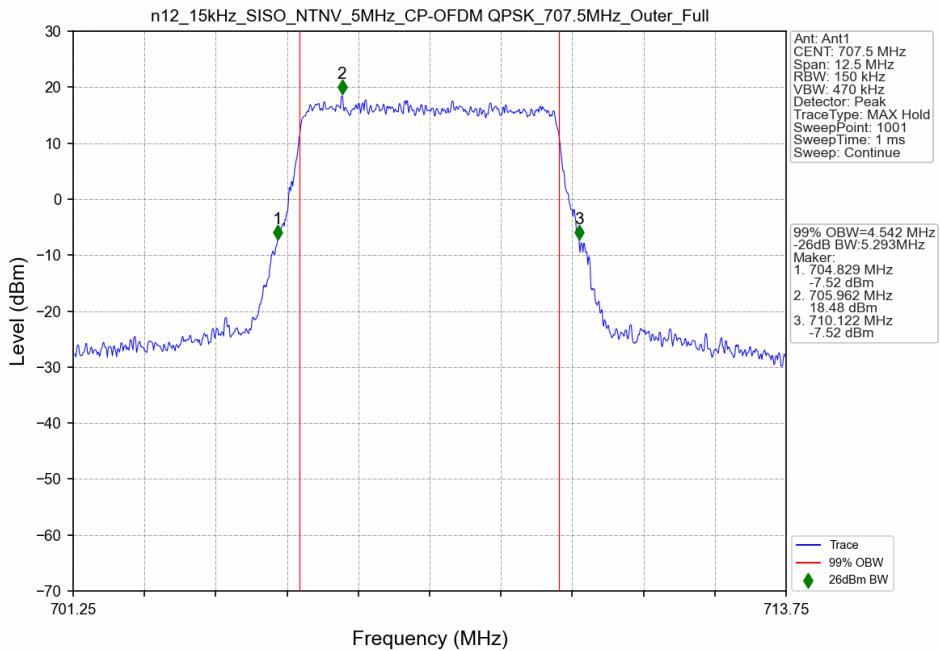


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

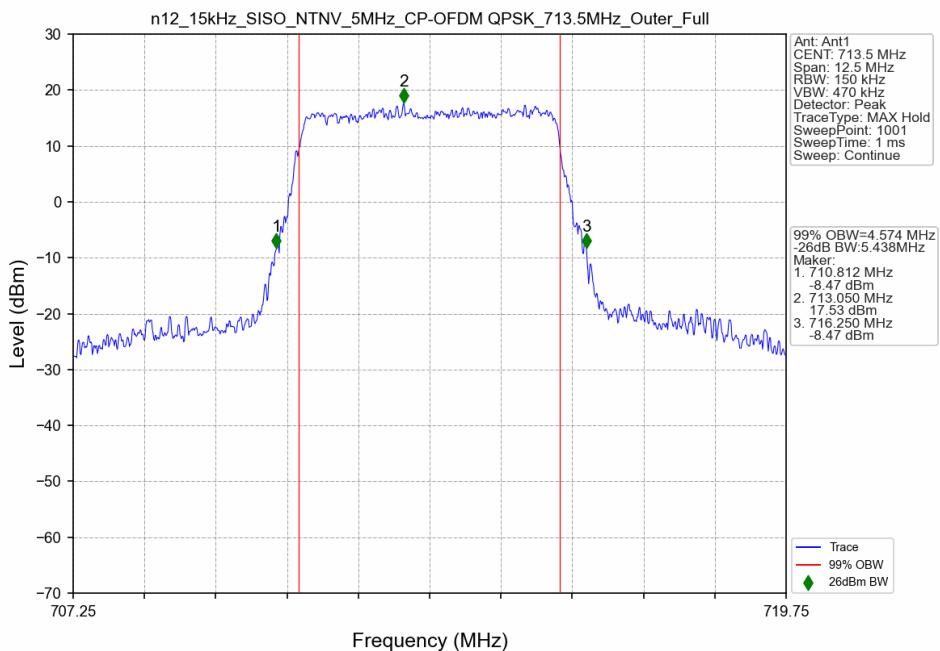
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_707.5MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_713.5MHz\_Outer\_Full

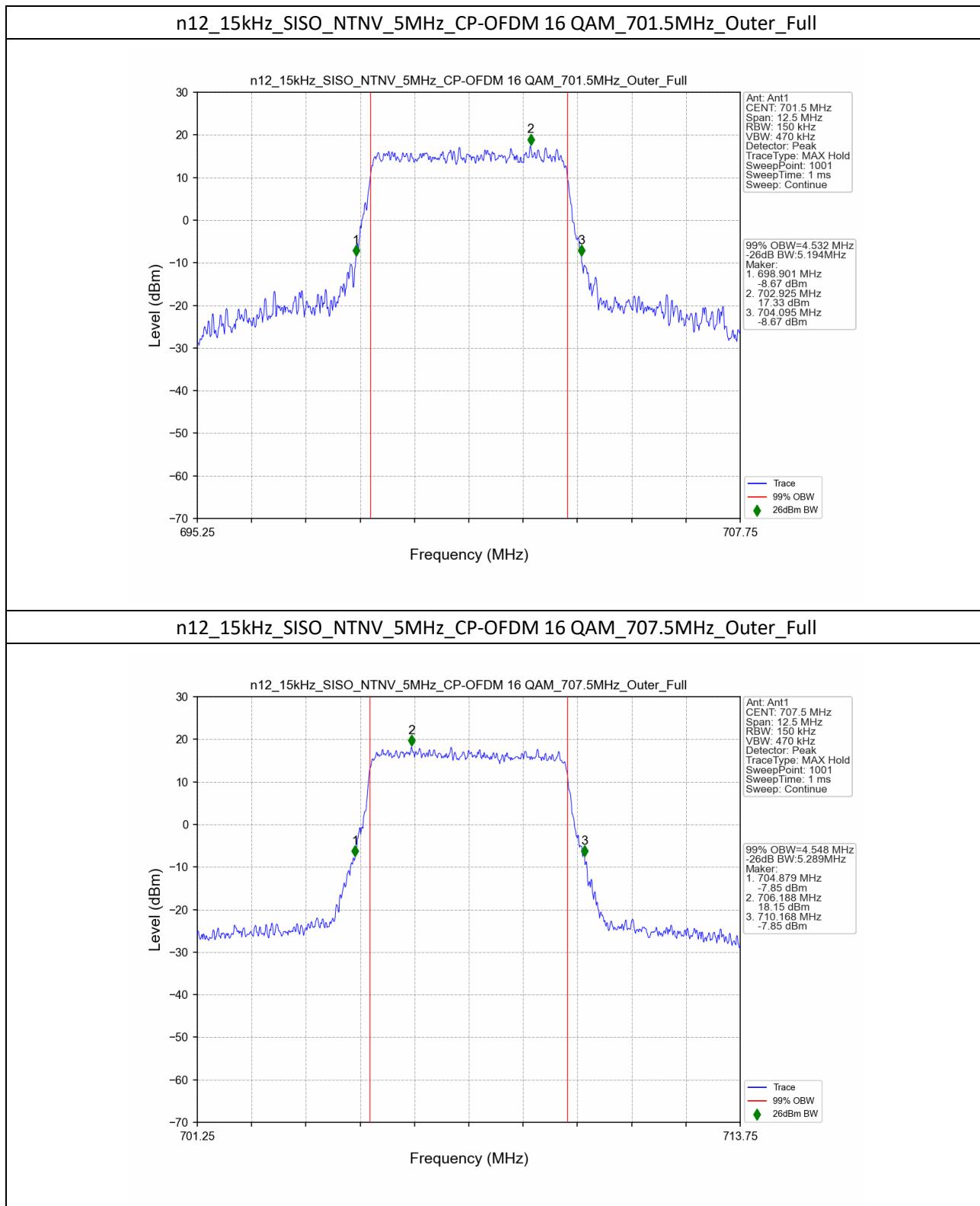


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

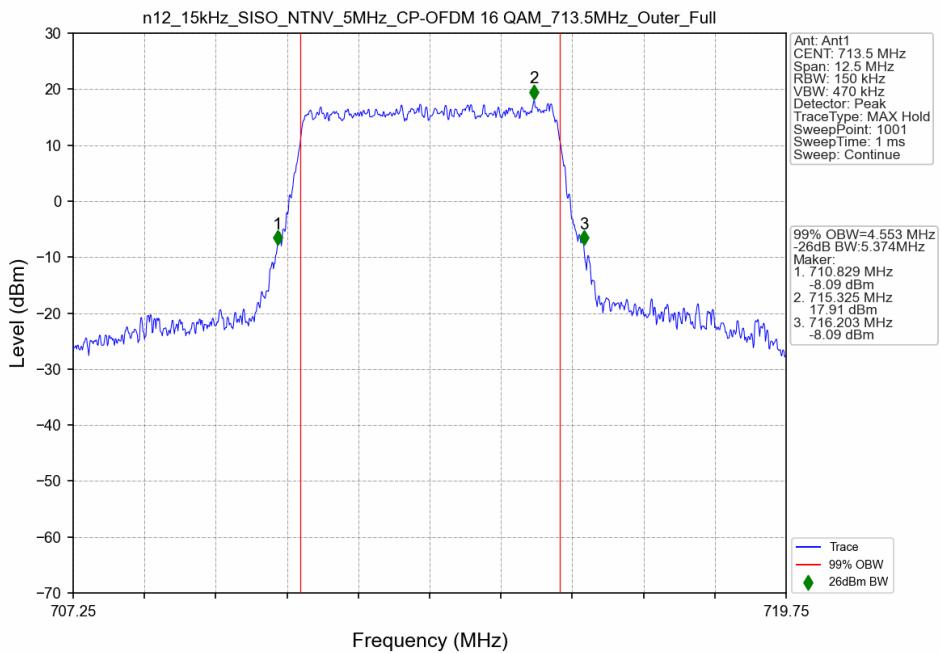


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

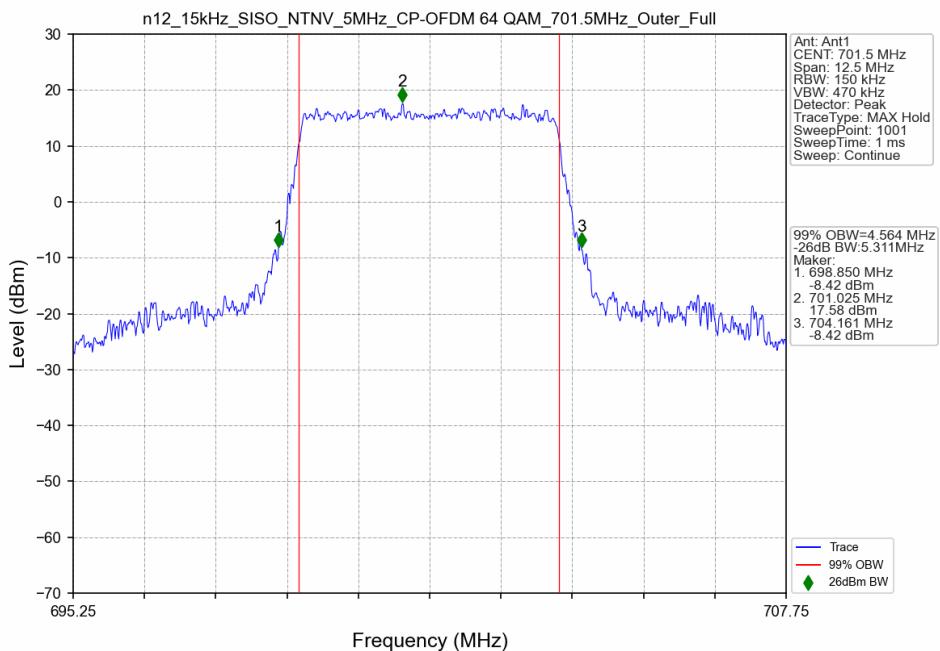
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_713.5MHz\_Outer\_Full



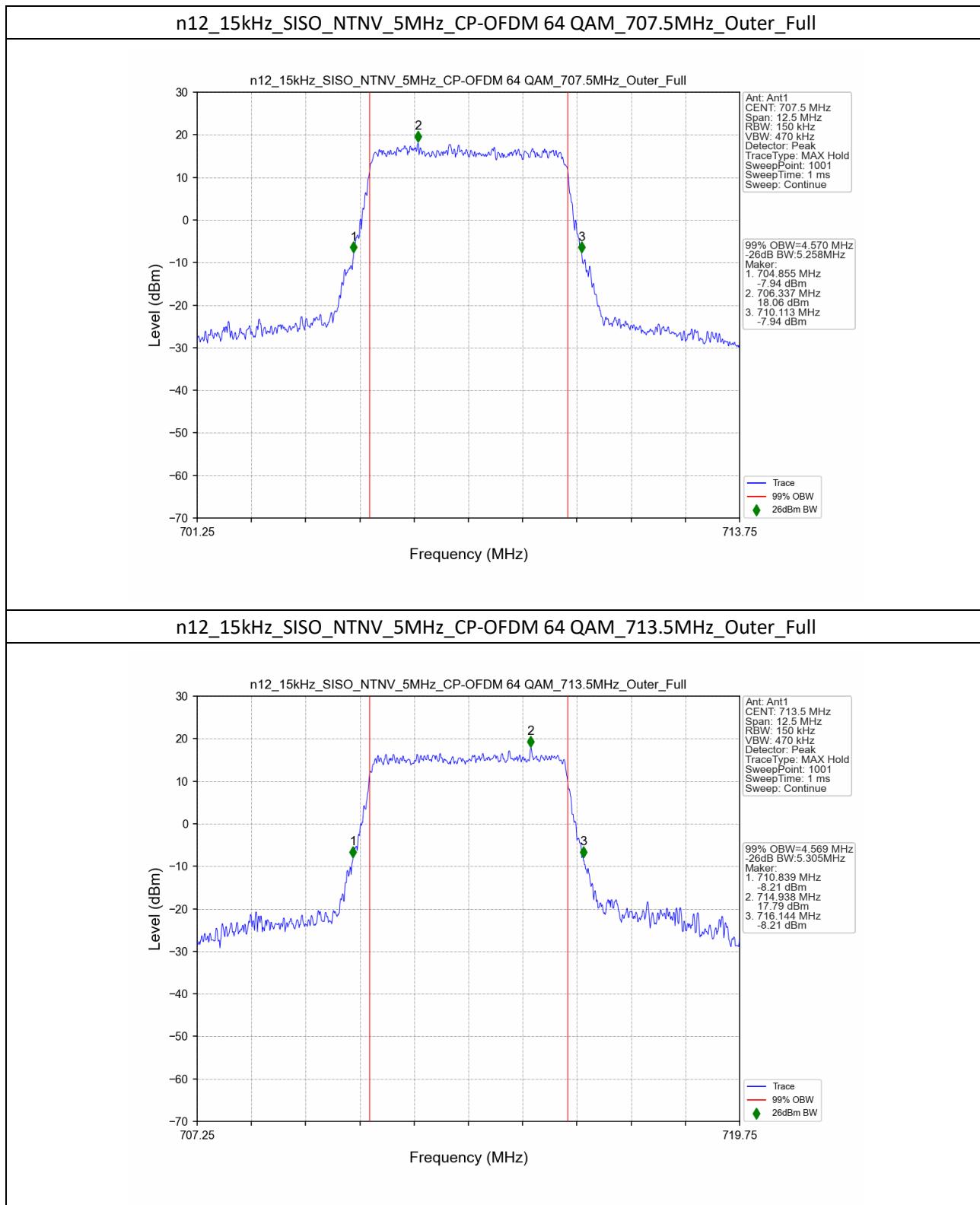
## n12\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_701.5MHz\_Outer\_Full



Unless otherwise agreed 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](mailto:CN.Doccheck@sgs.com)

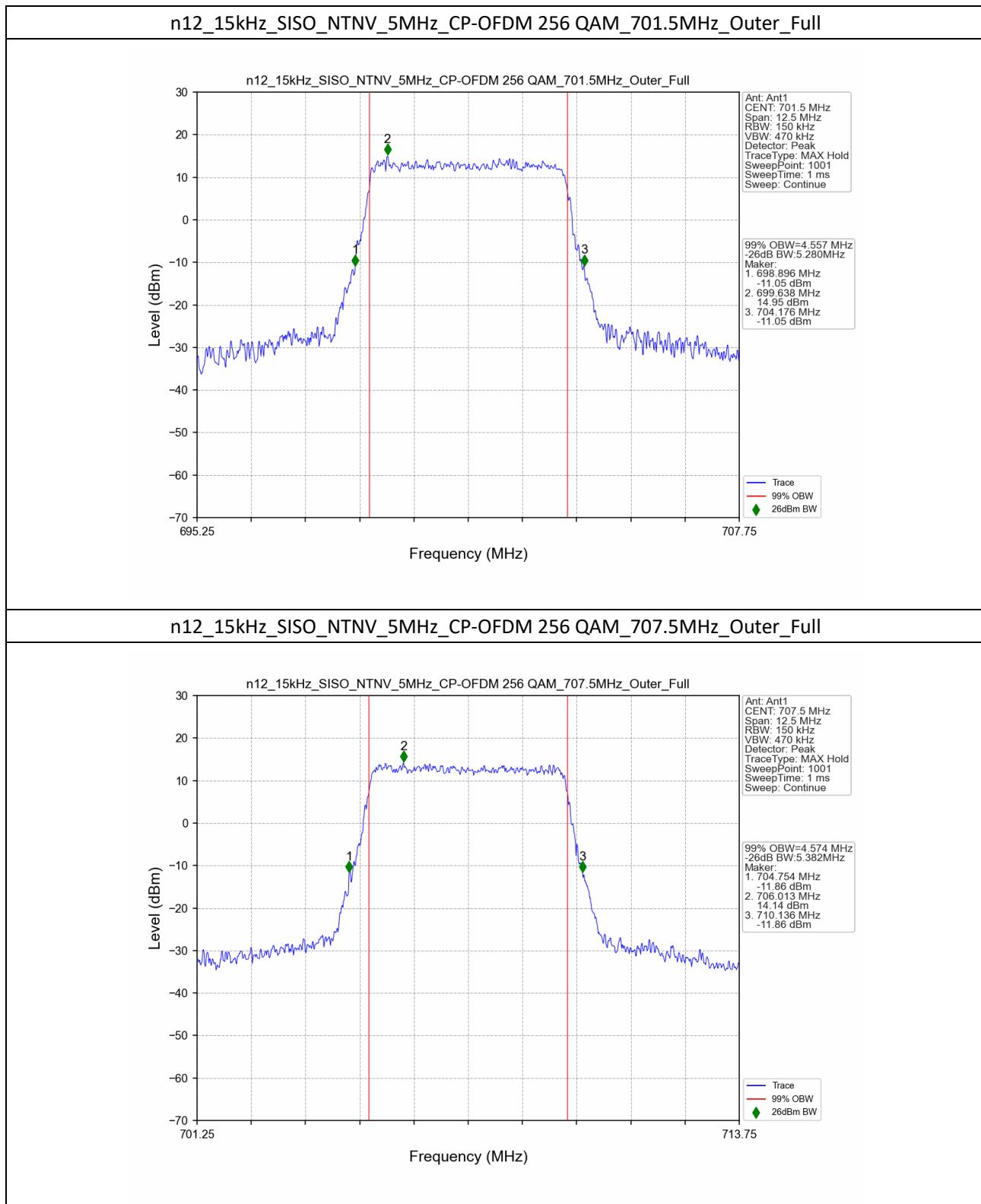
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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](mailto:CN.Doccheck@sgs.com)

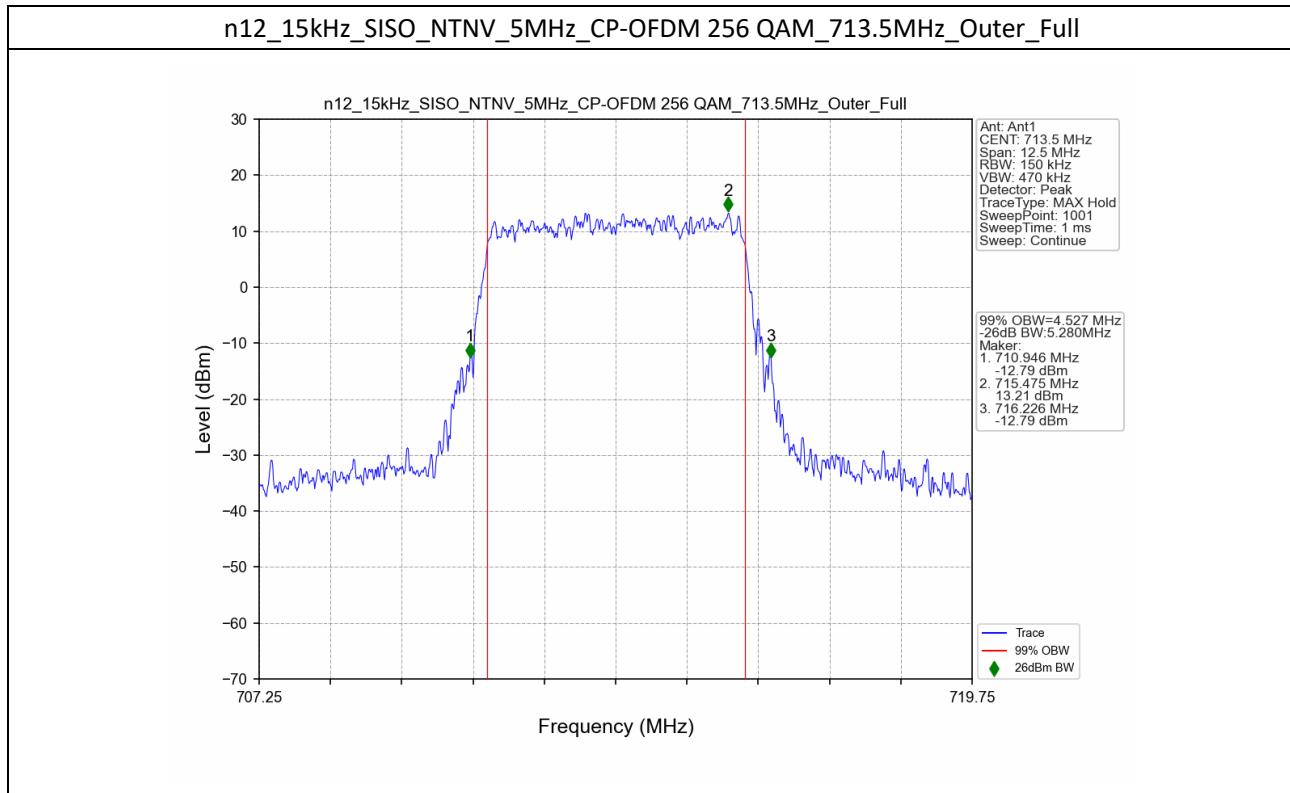
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)



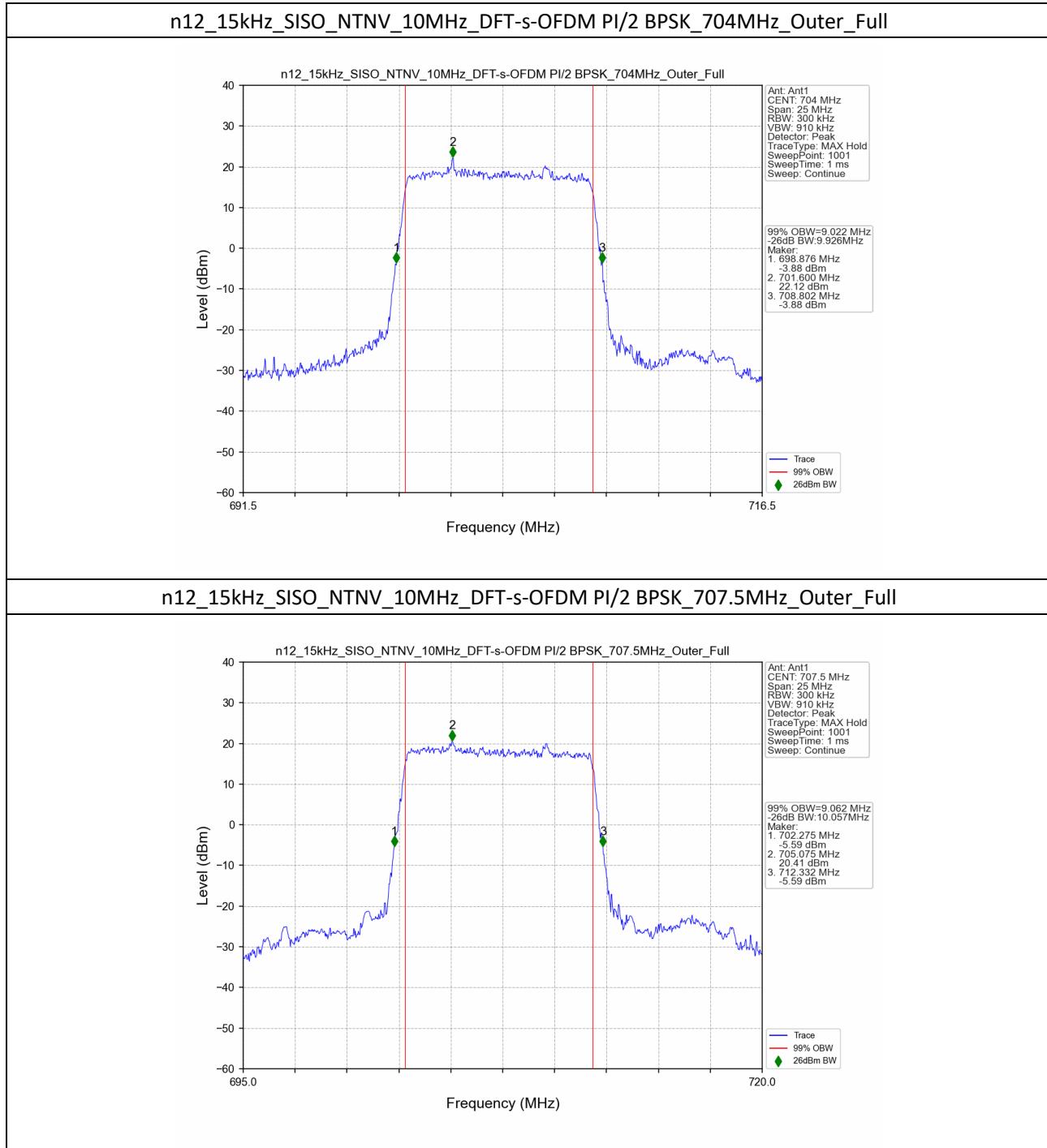
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, Wireless Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## 3.2.2 15k\_SISO\_10MHz\_NTNV

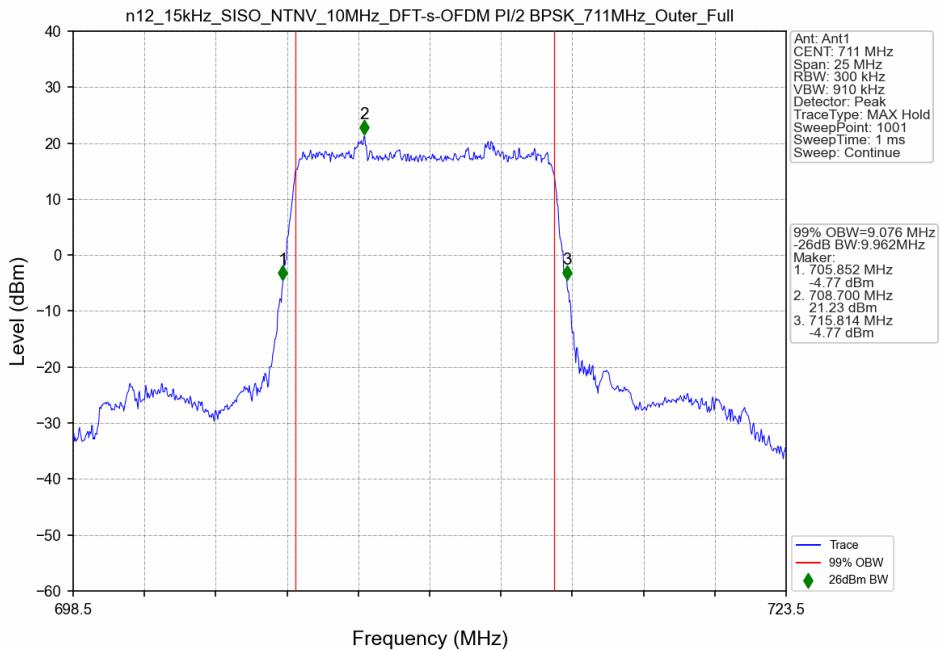


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

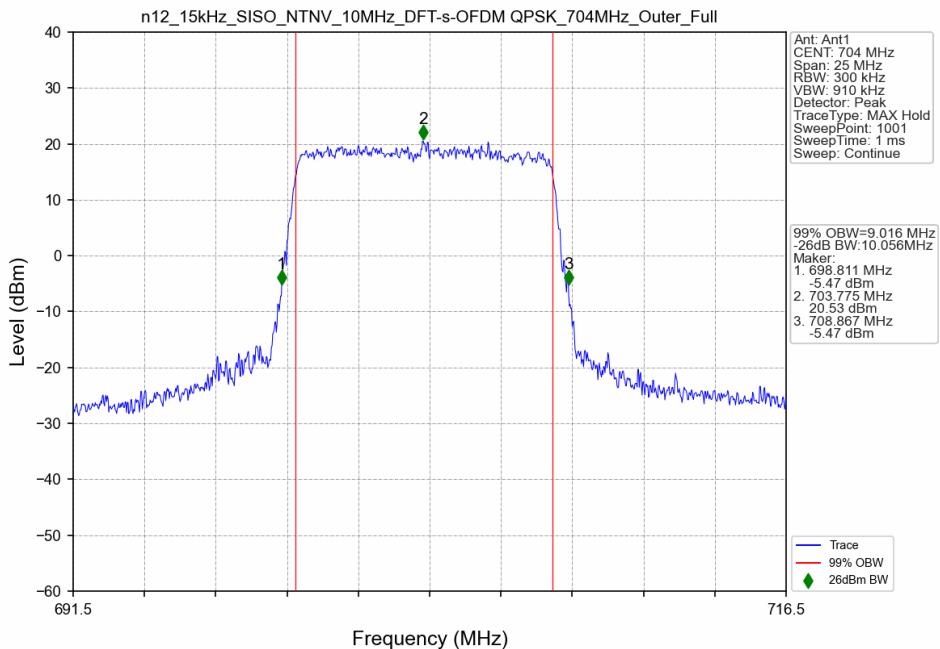
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_711MHz\_Outer\_Full



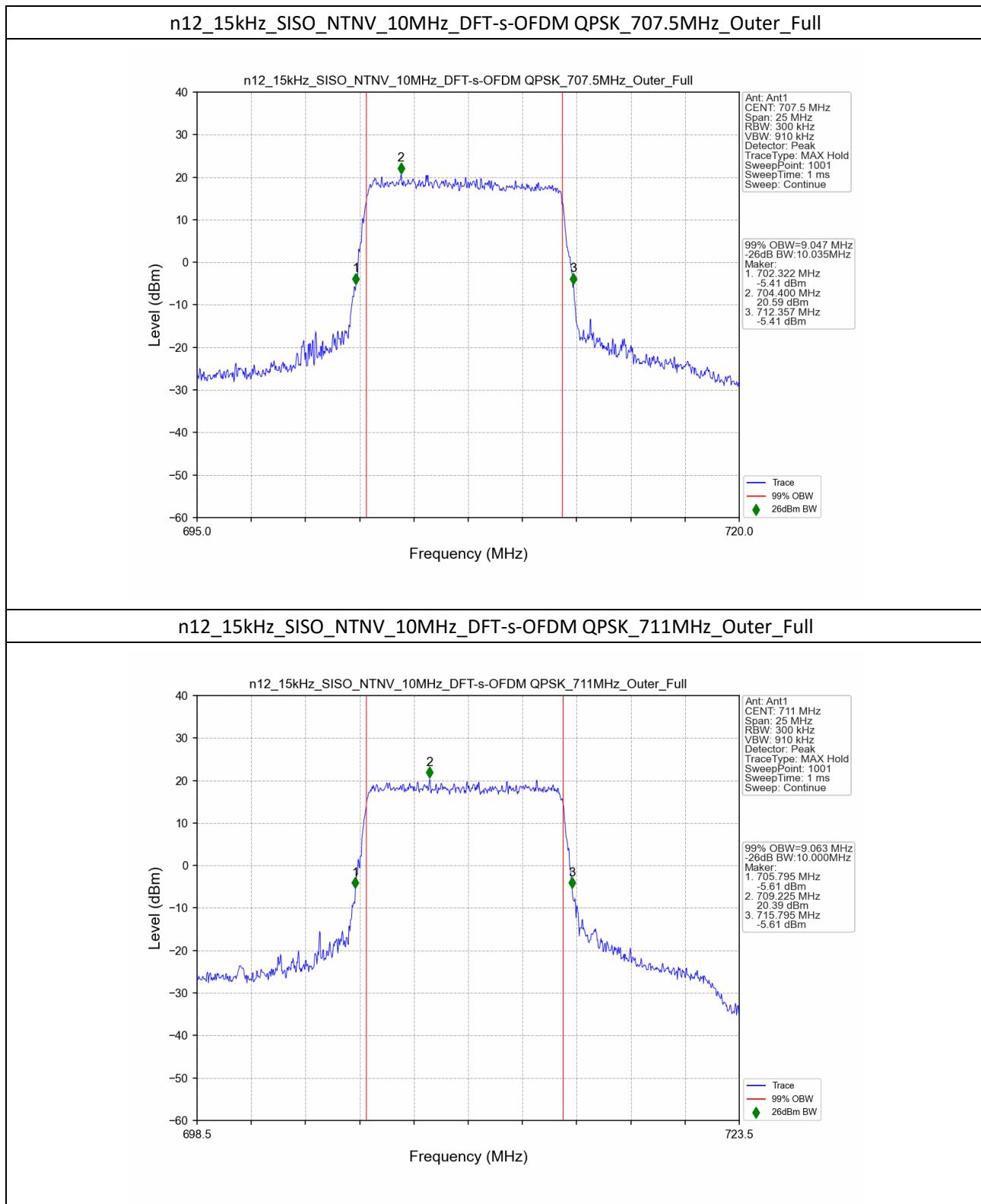
## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_704MHz\_Outer\_Full



Unless otherwise agreed 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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

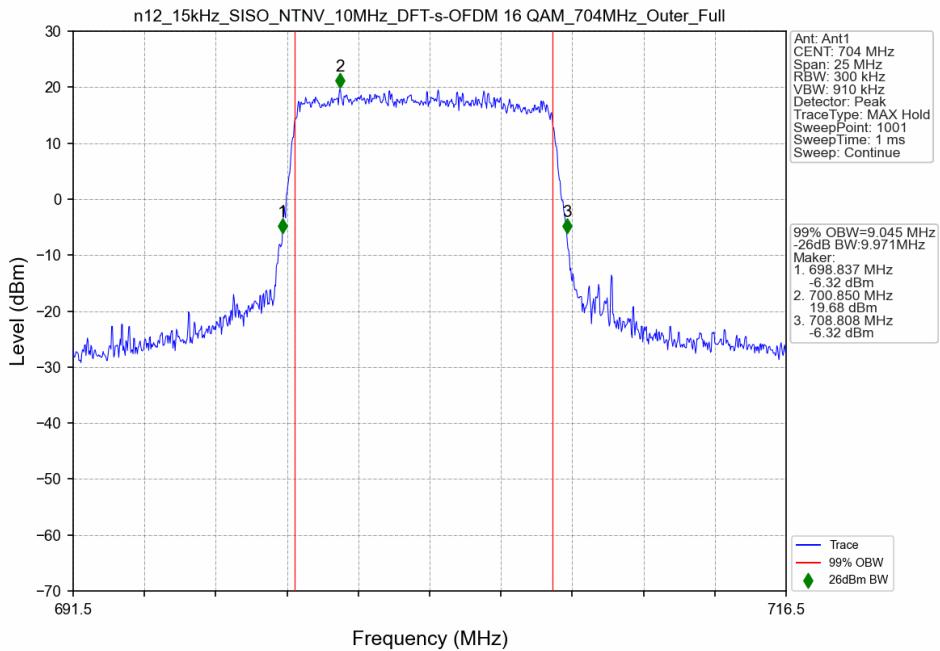


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

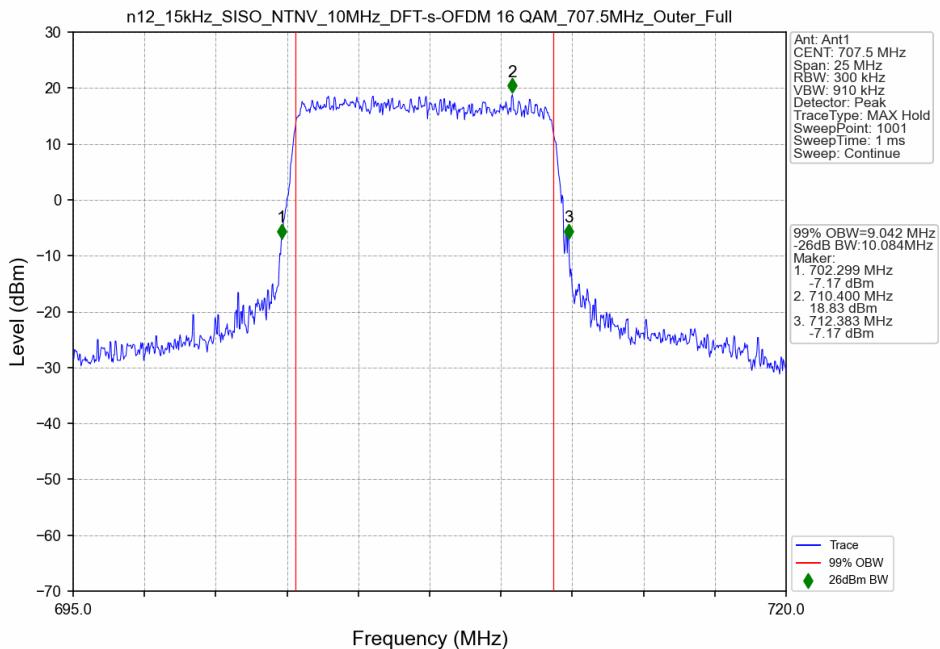
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_704MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_707.5MHz\_Outer\_Full

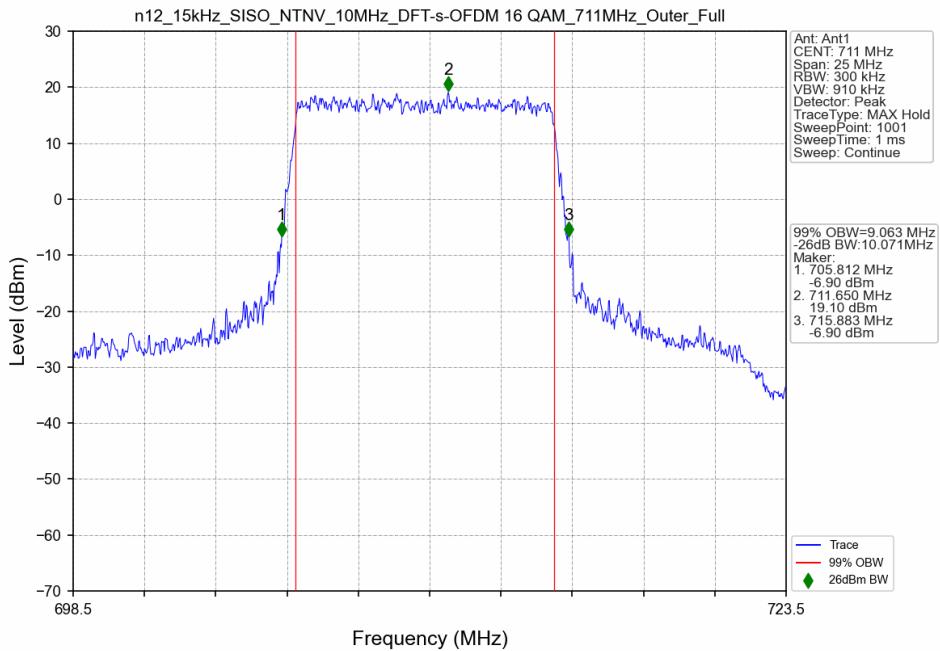


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

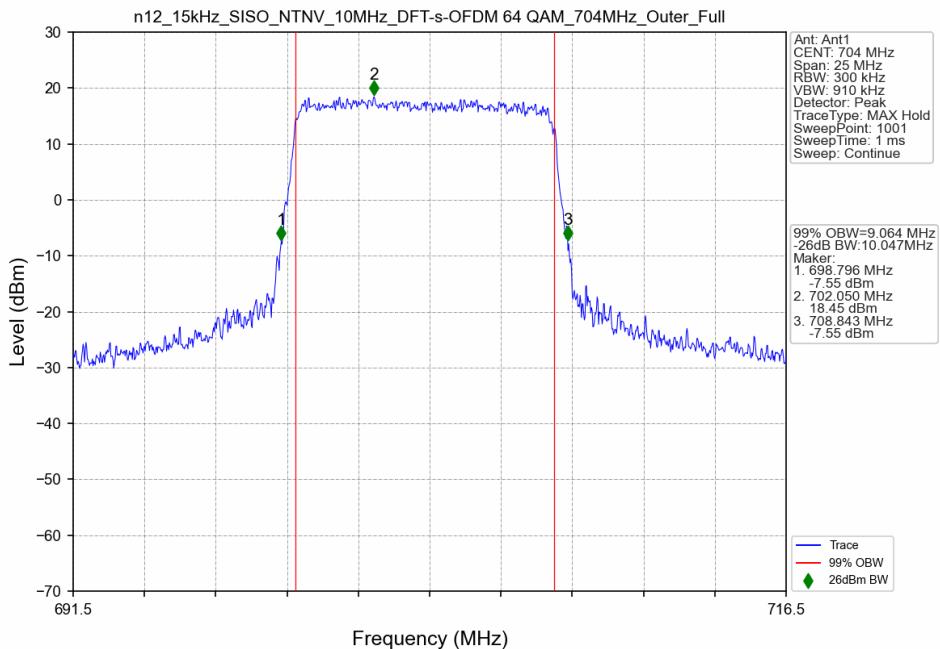
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 [www.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)

## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_711MHz\_Outer\_Full



## n12\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_704MHz\_Outer\_Full



Unless otherwise agreed 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](mailto: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.sgsgroup.com.cn](http://www.sgsgroup.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](mailto:sgs.china@sgs.com)