



Report No.: SZCR240100038409  
Rev.: 01  
Page: 1 of 488

# Appendix B.42

## NR Band n38



Unless otherwise agreed 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

Report No.: SZCR240100038409

Rev.: 01

Page: 2 of 488

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

### 1.1 30k\_SISO\_20MHz\_NTNV\_EIRP

#### 1.1.1 Test Result

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	2580	Edge_1RB_Left	23.33	/	/	25.33	/	/	<=33	Pass
		Edge_1RB_Right	23.42	/	/	25.42	/	/	<=33	Pass
		Outer_Full	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_Full	23.45	/	/	25.45	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	25.43	/	/	<=33	Pass
		Inner_1RB_Right	23.41	/	/	25.41	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.34	/	/	25.34	/	/	<=33	Pass
		Outer_Full	23.37	/	/	25.37	/	/	<=33	Pass
		Inner_Full	23.29	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	25.25	/	/	<=33	Pass
		Inner_1RB_Right	23.32	/	/	25.32	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.16	/	/	25.16	/	/	<=33	Pass
		Outer_Full	23.30	/	/	25.3	/	/	<=33	Pass
		Inner_Full	23.37	/	/	25.37	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass
		Edge_1RB_Right	23.43	/	/	25.43	/	/	<=33	Pass
		Outer_Full	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_Full	23.46	/	/	25.46	/	/	<=33	Pass
		Inner_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass
		Inner_1RB_Right	23.41	/	/	25.41	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.32	/	/	25.32	/	/	<=33	Pass
		Edge_1RB_Right	23.33	/	/	25.33	/	/	<=33	Pass
		Outer_Full	23.29	/	/	25.29	/	/	<=33	Pass
		Inner_Full	23.36	/	/	25.36	/	/	<=33	Pass
		Inner_1RB_Left	23.31	/	/	25.31	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	25.18	/	/	<=33	Pass
		Outer_Full	23.27	/	/	25.27	/	/	<=33	Pass
		Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass
		Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_1RB_Right	23.17	/	/	25.17	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass
		Edge_1RB_Right	23.37	/	/	25.37	/	/	<=33	Pass



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

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

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

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



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

Report No.: SZCR240100038409  
 Rev.: 01  
 Page: 3 of 488

		Outer_Full	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_Full	23.50	/	/	25.5	/	/	<=33	Pass
		Inner_1RB_Left	23.33	/	/	25.33	/	/	<=33	Pass
		Inner_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass
		Edge_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass
		Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass
		Inner_Full	23.33	/	/	25.33	/	/	<=33	Pass
	2610	Inner_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass
		Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass
		Edge_1RB_Left	23.18	/	/	25.18	/	/	<=33	Pass
		Edge_1RB_Right	23.05	/	/	25.05	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass
		Inner_Full	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass
		Inner_1RB_Right	23.04	/	/	25.04	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.43	/	/	25.43	/	/	<=33	Pass
		Edge_1RB_Right	23.40	/	/	25.4	/	/	<=33	Pass
		Outer_Full	23.33	/	/	25.33	/	/	<=33	Pass
		Inner_Full	23.39	/	/	25.39	/	/	<=33	Pass
	2610	Inner_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_1RB_Right	23.41	/	/	25.41	/	/	<=33	Pass
		Edge_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass
		Edge_1RB_Right	23.39	/	/	25.39	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass
		Inner_1RB_Right	23.38	/	/	25.38	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass
		Edge_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass
		Outer_Full	23.30	/	/	25.3	/	/	<=33	Pass
		Inner_Full	23.35	/	/	25.35	/	/	<=33	Pass
	2610	Inner_1RB_Left	23.47	/	/	25.47	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	25.26	/	/	<=33	Pass
		Edge_1RB_Left	22.83	/	/	24.83	/	/	<=33	Pass
		Edge_1RB_Right	22.74	/	/	24.74	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	22.85	/	/	24.85	/	/	<=33	Pass
		Inner_Full	22.96	/	/	24.96	/	/	<=33	Pass
		Inner_1RB_Left	22.77	/	/	24.77	/	/	<=33	Pass
		Inner_1RB_Right	22.80	/	/	24.8	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.67	/	/	24.67	/	/	<=33	Pass
		Edge_1RB_Right	22.76	/	/	24.76	/	/	<=33	Pass
		Outer_Full	22.78	/	/	24.78	/	/	<=33	Pass
		Inner_Full	22.85	/	/	24.85	/	/	<=33	Pass
	2610	Inner_1RB_Left	22.66	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Right	22.71	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Left	22.80	/	/	24.8	/	/	<=33	Pass
		Edge_1RB_Right	22.71	/	/	24.71	/	/	<=33	Pass



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 4 of 488

CP-OFDM QPSK	2580	Outer_Full	22.72	/	/	24.72	/	/	<=33	Pass	
		Inner_Full	22.84	/	/	24.84	/	/	<=33	Pass	
		Inner_1RB_Left	22.81	/	/	24.81	/	/	<=33	Pass	
		Inner_1RB_Right	22.63	/	/	24.63	/	/	<=33	Pass	
	2595	2580	Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass
			Edge_1RB_Right	23.45	/	/	25.45	/	/	<=33	Pass
		2595	Outer_Full	22.86	/	/	24.86	/	/	<=33	Pass
			Inner_Full	23.39	/	/	25.39	/	/	<=33	Pass
	2610	2580	Inner_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass
			Inner_1RB_Right	23.34	/	/	25.34	/	/	<=33	Pass
		2595	Edge_1RB_Left	23.22	/	/	25.22	/	/	<=33	Pass
			Edge_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass
2610	2580	Outer_Full	22.78	/	/	24.78	/	/	<=33	Pass	
		Inner_Full	23.34	/	/	25.34	/	/	<=33	Pass	
	2595	Inner_1RB_Left	23.31	/	/	25.31	/	/	<=33	Pass	
		Inner_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass	
CP-OFDM 16 QAM	2580	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass	
		Edge_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
		Outer_Full	22.77	/	/	24.77	/	/	<=33	Pass	
		Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass	
	2595	2580	Inner_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass
			Inner_1RB_Right	23.18	/	/	25.18	/	/	<=33	Pass
		2595	Edge_1RB_Left	23.29	/	/	25.29	/	/	<=33	Pass
			Edge_1RB_Right	23.33	/	/	25.33	/	/	<=33	Pass
	2610	2580	Outer_Full	22.79	/	/	24.79	/	/	<=33	Pass
			Inner_Full	23.45	/	/	25.45	/	/	<=33	Pass
		2595	Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
			Inner_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass
2610	2580	Edge_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass	
		Edge_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass	
	2595	Outer_Full	22.80	/	/	24.8	/	/	<=33	Pass	
		Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass	
2610	2580	Inner_1RB_Left	23.26	/	/	25.26	/	/	<=33	Pass	
		Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
	2595	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass	
		Edge_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass	
CP-OFDM 64 QAM	2580	Outer_Full	22.79	/	/	24.79	/	/	<=33	Pass	
		Inner_Full	23.45	/	/	25.45	/	/	<=33	Pass	
		Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass	
		Inner_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass	
	2595	2580	Edge_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass
			Edge_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass
		2595	Outer_Full	22.80	/	/	24.8	/	/	<=33	Pass
			Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass
	2610	2580	Inner_1RB_Left	23.26	/	/	25.26	/	/	<=33	Pass
			Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass
		2595	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
			Edge_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass
2610	2580	Outer_Full	22.79	/	/	24.79	/	/	<=33	Pass	
		Inner_Full	23.34	/	/	25.34	/	/	<=33	Pass	
	2595	Inner_1RB_Left	23.27	/	/	25.27	/	/	<=33	Pass	
		Inner_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass	
2580	2580	Edge_1RB_Left	23.46	/	/	25.46	/	/	<=33	Pass	
		Edge_1RB_Right	23.42	/	/	25.42	/	/	<=33	Pass	
	2595	Outer_Full	22.35	/	/	24.35	/	/	<=33	Pass	
		Inner_Full	23.42	/	/	25.42	/	/	<=33	Pass	
2595	2580	Inner_1RB_Left	23.46	/	/	25.46	/	/	<=33	Pass	
		Inner_1RB_Right	23.43	/	/	25.43	/	/	<=33	Pass	
	2595	Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass	
		Edge_1RB_Right	23.33	/	/	25.33	/	/	<=33	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.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com





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

Report No.: SZCR240100038409

Rev.: 01

Page: 5 of 488

		Outer_Full	22.26	/	/	24.26	/	/	<=33	Pass
		Inner_Full	23.25	/	/	25.25	/	/	<=33	Pass
		Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_1RB_Right	23.32	/	/	25.32	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass
		Edge_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass
		Outer_Full	22.19	/	/	24.19	/	/	<=33	Pass
		Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass
		Inner_1RB_Right	23.24	/	/	25.24	/	/	<=33	Pass
		Edge_1RB_Left	20.90	/	/	22.9	/	/	<=33	Pass
		Edge_1RB_Right	20.87	/	/	22.87	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Outer_Full	20.88	/	/	22.88	/	/	<=33	Pass
		Inner_Full	20.97	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Left	20.88	/	/	22.88	/	/	<=33	Pass
		Inner_1RB_Right	20.91	/	/	22.91	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.71	/	/	22.71	/	/	<=33	Pass
		Edge_1RB_Right	20.73	/	/	22.73	/	/	<=33	Pass
		Outer_Full	20.81	/	/	22.81	/	/	<=33	Pass
		Inner_Full	20.85	/	/	22.85	/	/	<=33	Pass
	2610	Inner_1RB_Left	20.71	/	/	22.71	/	/	<=33	Pass
		Inner_1RB_Right	20.74	/	/	22.74	/	/	<=33	Pass
		Edge_1RB_Left	20.80	/	/	22.8	/	/	<=33	Pass
		Edge_1RB_Right	20.71	/	/	22.71	/	/	<=33	Pass
	Outer_Full	20.77	/	/	22.77	/	/	<=33	Pass	
	Inner_Full	20.90	/	/	22.9	/	/	<=33	Pass	
	Inner_1RB_Left	20.80	/	/	22.8	/	/	<=33	Pass	
	Inner_1RB_Right	20.70	/	/	22.7	/	/	<=33	Pass	

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

1.2 30k\_SISO\_30MHz\_NTNV\_EIRP

1.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Edge_1RB_Left	23.31	/	/	25.31	/	/	<=33	Pass
		Edge_1RB_Right	23.38	/	/	25.38	/	/	<=33	Pass
		Outer_Full	23.38	/	/	25.38	/	/	<=33	Pass
		Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	25.43	/	/	<=33	Pass
		Inner_1RB_Right	23.35	/	/	25.35	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass
		Edge_1RB_Right	23.26	/	/	25.26	/	/	<=33	Pass



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 6 of 488

		Outer_Full	23.35	/	/	25.35	/	/	<=33	Pass	
		Inner_Full	23.33	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass	
		Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass	
	2605	Edge_1RB_Left	23.30	/	/	25.3	/	/	<=33	Pass	
		Edge_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
		Outer_Full	23.32	/	/	25.32	/	/	<=33	Pass	
		Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass	
	DFT-s-OFDM QPSK	2585	Inner_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass
			Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass
			Edge_1RB_Left	23.38	/	/	25.38	/	/	<=33	Pass
			Edge_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass
2595		Outer_Full	23.35	/	/	25.35	/	/	<=33	Pass	
		Inner_Full	23.24	/	/	25.24	/	/	<=33	Pass	
		Inner_1RB_Left	23.32	/	/	25.32	/	/	<=33	Pass	
		Inner_1RB_Right	23.39	/	/	25.39	/	/	<=33	Pass	
2605		Edge_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass	
		Edge_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass	
		Outer_Full	23.32	/	/	25.32	/	/	<=33	Pass	
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass	
DFT-s-OFDM 16 QAM	2585	Inner_1RB_Left	23.31	/	/	25.31	/	/	<=33	Pass	
		Inner_1RB_Right	23.24	/	/	25.24	/	/	<=33	Pass	
		Edge_1RB_Left	23.32	/	/	25.32	/	/	<=33	Pass	
		Edge_1RB_Right	23.17	/	/	25.17	/	/	<=33	Pass	
	2595	Outer_Full	23.31	/	/	25.31	/	/	<=33	Pass	
		Inner_Full	23.24	/	/	25.24	/	/	<=33	Pass	
		Inner_1RB_Left	23.28	/	/	25.28	/	/	<=33	Pass	
		Inner_1RB_Right	23.17	/	/	25.17	/	/	<=33	Pass	
	DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	23.22	/	/	25.22	/	/	<=33	Pass
			Edge_1RB_Right	23.21	/	/	25.21	/	/	<=33	Pass
			Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass
			Inner_Full	23.26	/	/	25.26	/	/	<=33	Pass
2595		Inner_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass	
		Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
		Edge_1RB_Left	23.21	/	/	25.21	/	/	<=33	Pass	
		Edge_1RB_Right	23.12	/	/	25.12	/	/	<=33	Pass	
2605		Outer_Full	23.36	/	/	25.36	/	/	<=33	Pass	
		Inner_Full	23.33	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Left	23.23	/	/	25.23	/	/	<=33	Pass	
		Inner_1RB_Right	23.17	/	/	25.17	/	/	<=33	Pass	
2585	Edge_1RB_Left	23.16	/	/	25.16	/	/	<=33	Pass		
	Edge_1RB_Right	23.04	/	/	25.04	/	/	<=33	Pass		
	Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass		
	Inner_Full	23.29	/	/	25.29	/	/	<=33	Pass		
2595	Inner_1RB_Left	23.16	/	/	25.16	/	/	<=33	Pass		
	Inner_1RB_Right	23.07	/	/	25.07	/	/	<=33	Pass		
	Edge_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass		
	Edge_1RB_Right	23.45	/	/	25.45	/	/	<=33	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 Inspection & Testing Services  
Shenzhen Branch Wireless Laboratory

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 7 of 488

		Outer_Full	23.39	/	/	25.39	/	/	<=33	Pass
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass
		Inner_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	25.45	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass
		Edge_1RB_Right	23.31	/	/	25.31	/	/	<=33	Pass
		Outer_Full	23.33	/	/	25.33	/	/	<=33	Pass
		Inner_Full	23.38	/	/	25.38	/	/	<=33	Pass
	2605	Inner_1RB_Left	23.50	/	/	25.5	/	/	<=33	Pass
		Inner_1RB_Right	23.30	/	/	25.3	/	/	<=33	Pass
		Edge_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass
		Edge_1RB_Right	23.27	/	/	25.27	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass
		Inner_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.77	/	/	24.77	/	/	<=33	Pass
		Edge_1RB_Right	22.73	/	/	24.73	/	/	<=33	Pass
		Outer_Full	22.82	/	/	24.82	/	/	<=33	Pass
		Inner_Full	22.74	/	/	24.74	/	/	<=33	Pass
	2605	Inner_1RB_Left	22.81	/	/	24.81	/	/	<=33	Pass
		Inner_1RB_Right	22.70	/	/	24.7	/	/	<=33	Pass
		Edge_1RB_Left	22.74	/	/	24.74	/	/	<=33	Pass
		Edge_1RB_Right	22.63	/	/	24.63	/	/	<=33	Pass
CP-OFDM QPSK	2585	Outer_Full	22.86	/	/	24.86	/	/	<=33	Pass
		Inner_Full	22.79	/	/	24.79	/	/	<=33	Pass
		Inner_1RB_Left	22.73	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Right	22.72	/	/	24.72	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.72	/	/	24.72	/	/	<=33	Pass
		Edge_1RB_Right	22.58	/	/	24.58	/	/	<=33	Pass
		Outer_Full	22.74	/	/	24.74	/	/	<=33	Pass
		Inner_Full	22.74	/	/	24.74	/	/	<=33	Pass
	2605	Inner_1RB_Left	22.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	22.55	/	/	24.55	/	/	<=33	Pass
		Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.31	/	/	25.31	/	/	<=33	Pass
2595	Outer_Full	22.83	/	/	24.83	/	/	<=33	Pass	
	Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass	
	Inner_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass	
	Inner_1RB_Right	23.25	/	/	25.25	/	/	<=33	Pass	
	Edge_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass	
	Edge_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass	
	Outer_Full	22.79	/	/	24.79	/	/	<=33	Pass	
	Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass	
2605	Inner_1RB_Left	23.26	/	/	25.26	/	/	<=33	Pass	
	Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass	
2605	Edge_1RB_Left	23.30	/	/	25.3	/	/	<=33	Pass	
	Edge_1RB_Right	23.12	/	/	25.12	/	/	<=33	Pass	



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

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

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



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

Report No.: SZCR240100038409  
Rev.: 01  
Page: 8 of 488

CP-OFDM 16 QAM	2585	Outer_Full	22.77	/	/	24.77	/	/	<=33	Pass	
		Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass	
		Inner_1RB_Left	23.33	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Right	23.12	/	/	25.12	/	/	<=33	Pass	
	2595	2585	Edge_1RB_Left	23.31	/	/	25.31	/	/	<=33	Pass
			Edge_1RB_Right	23.27	/	/	25.27	/	/	<=33	Pass
		2595	Outer_Full	22.86	/	/	24.86	/	/	<=33	Pass
			Inner_Full	23.23	/	/	25.23	/	/	<=33	Pass
	2605	2585	Inner_1RB_Left	23.32	/	/	25.32	/	/	<=33	Pass
			Inner_1RB_Right	23.21	/	/	25.21	/	/	<=33	Pass
		2595	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
			Edge_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass
2605	2585	Outer_Full	22.82	/	/	24.82	/	/	<=33	Pass	
		Inner_Full	23.36	/	/	25.36	/	/	<=33	Pass	
	2595	Inner_1RB_Left	23.33	/	/	25.33	/	/	<=33	Pass	
		Inner_1RB_Right	23.28	/	/	25.28	/	/	<=33	Pass	
2605	2585	Edge_1RB_Left	23.29	/	/	25.29	/	/	<=33	Pass	
		Edge_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
	2595	Outer_Full	22.79	/	/	24.79	/	/	<=33	Pass	
		Inner_Full	23.30	/	/	25.3	/	/	<=33	Pass	
2605	2585	Inner_1RB_Left	23.32	/	/	25.32	/	/	<=33	Pass	
		Inner_1RB_Right	23.05	/	/	25.05	/	/	<=33	Pass	
	2595	Edge_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass	
		Edge_1RB_Right	23.42	/	/	25.42	/	/	<=33	Pass	
2605	2585	Outer_Full	22.36	/	/	24.36	/	/	<=33	Pass	
		Inner_Full	23.29	/	/	25.29	/	/	<=33	Pass	
	2595	Inner_1RB_Left	23.50	/	/	25.5	/	/	<=33	Pass	
		Inner_1RB_Right	23.33	/	/	25.33	/	/	<=33	Pass	
2605	2585	Edge_1RB_Left	23.38	/	/	25.38	/	/	<=33	Pass	
		Edge_1RB_Right	23.35	/	/	25.35	/	/	<=33	Pass	
	2595	Outer_Full	22.29	/	/	24.29	/	/	<=33	Pass	
		Inner_Full	23.33	/	/	25.33	/	/	<=33	Pass	
2605	2585	Inner_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass	
		Inner_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass	
	2595	Edge_1RB_Left	23.41	/	/	25.41	/	/	<=33	Pass	
		Edge_1RB_Right	23.18	/	/	25.18	/	/	<=33	Pass	
2605	2585	Outer_Full	22.27	/	/	24.27	/	/	<=33	Pass	
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass	
	2595	Inner_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass	
		Inner_1RB_Right	23.13	/	/	25.13	/	/	<=33	Pass	
CP-OFDM 256 QAM	2585	Edge_1RB_Left	20.80	/	/	22.8	/	/	<=33	Pass	
		Edge_1RB_Right	20.80	/	/	22.8	/	/	<=33	Pass	
		Outer_Full	20.78	/	/	22.78	/	/	<=33	Pass	
		Inner_Full	20.81	/	/	22.81	/	/	<=33	Pass	
	2595	2585	Inner_1RB_Left	20.88	/	/	22.88	/	/	<=33	Pass
			Inner_1RB_Right	20.83	/	/	22.83	/	/	<=33	Pass
		2595	Edge_1RB_Left	20.91	/	/	22.91	/	/	<=33	Pass
			Edge_1RB_Right	20.67	/	/	22.67	/	/	<=33	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.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com





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

Report No.: SZCR240100038409

Rev.: 01

Page: 9 of 488

		Outer_Full	20.92	/	/	22.92	/	/	<=33	Pass
		Inner_Full	20.88	/	/	22.88	/	/	<=33	Pass
		Inner_1RB_Left	20.88	/	/	22.88	/	/	<=33	Pass
		Inner_1RB_Right	20.83	/	/	22.83	/	/	<=33	Pass
	2605	Edge_1RB_Left	20.87	/	/	22.87	/	/	<=33	Pass
		Edge_1RB_Right	20.69	/	/	22.69	/	/	<=33	Pass
		Outer_Full	20.79	/	/	22.79	/	/	<=33	Pass
		Inner_Full	20.85	/	/	22.85	/	/	<=33	Pass
		Inner_1RB_Left	20.84	/	/	22.84	/	/	<=33	Pass
		Inner_1RB_Right	20.69	/	/	22.69	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

1.3 30k\_SISO\_40MHz\_NTNV\_EIRP

1.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Edge_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass
		Edge_1RB_Right	23.35	/	/	25.35	/	/	<=33	Pass
		Outer_Full	23.49	/	/	25.49	/	/	<=33	Pass
		Inner_Full	23.48	/	/	25.48	/	/	<=33	Pass
		Inner_1RB_Left	23.50	/	/	25.5	/	/	<=33	Pass
		Inner_1RB_Right	23.37	/	/	25.37	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass
		Edge_1RB_Right	23.21	/	/	25.21	/	/	<=33	Pass
		Outer_Full	23.33	/	/	25.33	/	/	<=33	Pass
		Inner_Full	23.28	/	/	25.28	/	/	<=33	Pass
		Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass
		Edge_1RB_Right	23.26	/	/	25.26	/	/	<=33	Pass
		Outer_Full	23.37	/	/	25.37	/	/	<=33	Pass
		Inner_Full	23.36	/	/	25.36	/	/	<=33	Pass
		Inner_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	23.44	/	/	25.44	/	/	<=33	Pass
		Edge_1RB_Right	23.41	/	/	25.41	/	/	<=33	Pass
		Outer_Full	23.41	/	/	25.41	/	/	<=33	Pass
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass
		Inner_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass
		Inner_1RB_Right	23.38	/	/	25.38	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass
		Edge_1RB_Right	23.21	/	/	25.21	/	/	<=33	Pass



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 10 of 488

DFT-s-OFDM 16 QAM	2600	Outer_Full	23.37	/	/	25.37	/	/	<=33	Pass	
		Inner_Full	23.32	/	/	25.32	/	/	<=33	Pass	
		Inner_1RB_Left	23.37	/	/	25.37	/	/	<=33	Pass	
		Inner_1RB_Right	23.14	/	/	25.14	/	/	<=33	Pass	
	2600	Edge_1RB_Left	23.36	/	/	25.36	/	/	<=33	Pass	
		Edge_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
		Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass	
		Inner_Full	23.34	/	/	25.34	/	/	<=33	Pass	
	DFT-s-OFDM 64 QAM	2590	Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
			Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass
			Edge_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass
			Edge_1RB_Right	23.24	/	/	25.24	/	/	<=33	Pass
2595		Outer_Full	23.44	/	/	25.44	/	/	<=33	Pass	
		Inner_Full	23.42	/	/	25.42	/	/	<=33	Pass	
		Inner_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass	
		Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass	
2600		Edge_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass	
		Edge_1RB_Right	23.08	/	/	25.08	/	/	<=33	Pass	
		Outer_Full	23.28	/	/	25.28	/	/	<=33	Pass	
		Inner_Full	23.31	/	/	25.31	/	/	<=33	Pass	
2600	Inner_1RB_Left	23.28	/	/	25.28	/	/	<=33	Pass		
	Inner_1RB_Right	23.08	/	/	25.08	/	/	<=33	Pass		
	Edge_1RB_Left	23.34	/	/	25.34	/	/	<=33	Pass		
	Edge_1RB_Right	23.12	/	/	25.12	/	/	<=33	Pass		
DFT-s-OFDM 256 QAM	2590	Outer_Full	23.38	/	/	25.38	/	/	<=33	Pass	
		Inner_Full	23.37	/	/	25.37	/	/	<=33	Pass	
		Inner_1RB_Left	23.30	/	/	25.3	/	/	<=33	Pass	
		Inner_1RB_Right	23.10	/	/	25.1	/	/	<=33	Pass	
	2595	Edge_1RB_Left	23.50	/	/	25.5	/	/	<=33	Pass	
		Edge_1RB_Right	23.47	/	/	25.47	/	/	<=33	Pass	
		Outer_Full	23.48	/	/	25.48	/	/	<=33	Pass	
		Inner_Full	23.39	/	/	25.39	/	/	<=33	Pass	
	2600	Inner_1RB_Left	23.54	/	/	25.54	/	/	<=33	Pass	
		Inner_1RB_Right	23.46	/	/	25.46	/	/	<=33	Pass	
		Edge_1RB_Left	23.40	/	/	25.4	/	/	<=33	Pass	
		Edge_1RB_Right	23.26	/	/	25.26	/	/	<=33	Pass	
2600	Outer_Full	23.34	/	/	25.34	/	/	<=33	Pass		
	Inner_Full	23.38	/	/	25.38	/	/	<=33	Pass		
	Inner_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass		
	Inner_1RB_Right	23.16	/	/	25.16	/	/	<=33	Pass		
2600	Edge_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass		
	Edge_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass		
	Outer_Full	23.42	/	/	25.42	/	/	<=33	Pass		
	Inner_Full	23.37	/	/	25.37	/	/	<=33	Pass		
2590	Inner_1RB_Left	23.53	/	/	25.53	/	/	<=33	Pass		
	Inner_1RB_Right	23.32	/	/	25.32	/	/	<=33	Pass		
	Edge_1RB_Left	22.89	/	/	24.89	/	/	<=33	Pass		
	Edge_1RB_Right	22.77	/	/	24.77	/	/	<=33	Pass		



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 11 of 488

		Outer_Full	22.91	/	/	24.91	/	/	<=33	Pass
		Inner_Full	22.86	/	/	24.86	/	/	<=33	Pass
		Inner_1RB_Left	22.80	/	/	24.8	/	/	<=33	Pass
		Inner_1RB_Right	22.81	/	/	24.81	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.79	/	/	24.79	/	/	<=33	Pass
		Edge_1RB_Right	22.50	/	/	24.5	/	/	<=33	Pass
		Outer_Full	22.82	/	/	24.82	/	/	<=33	Pass
		Inner_Full	22.76	/	/	24.76	/	/	<=33	Pass
	2600	Inner_1RB_Left	22.77	/	/	24.77	/	/	<=33	Pass
		Inner_1RB_Right	22.62	/	/	24.62	/	/	<=33	Pass
		Edge_1RB_Left	22.79	/	/	24.79	/	/	<=33	Pass
		Edge_1RB_Right	22.65	/	/	24.65	/	/	<=33	Pass
CP-OFDM QPSK	2590	Outer_Full	22.89	/	/	24.89	/	/	<=33	Pass
		Inner_Full	22.85	/	/	24.85	/	/	<=33	Pass
		Inner_1RB_Left	22.79	/	/	24.79	/	/	<=33	Pass
		Inner_1RB_Right	22.62	/	/	24.62	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.42	/	/	25.42	/	/	<=33	Pass
		Edge_1RB_Right	23.35	/	/	25.35	/	/	<=33	Pass
		Outer_Full	22.88	/	/	24.88	/	/	<=33	Pass
		Inner_Full	23.42	/	/	25.42	/	/	<=33	Pass
	2600	Inner_1RB_Left	23.45	/	/	25.45	/	/	<=33	Pass
		Inner_1RB_Right	23.36	/	/	25.36	/	/	<=33	Pass
		Edge_1RB_Left	23.43	/	/	25.43	/	/	<=33	Pass
		Edge_1RB_Right	23.10	/	/	25.1	/	/	<=33	Pass
2595	Outer_Full	22.84	/	/	24.84	/	/	<=33	Pass	
	Inner_Full	23.37	/	/	25.37	/	/	<=33	Pass	
	Inner_1RB_Left	23.48	/	/	25.48	/	/	<=33	Pass	
	Inner_1RB_Right	23.14	/	/	25.14	/	/	<=33	Pass	
	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass	
	Edge_1RB_Right	23.09	/	/	25.09	/	/	<=33	Pass	
2600	Outer_Full	22.76	/	/	24.76	/	/	<=33	Pass	
	Inner_Full	23.34	/	/	25.34	/	/	<=33	Pass	
	Inner_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass	
	Inner_1RB_Right	23.14	/	/	25.14	/	/	<=33	Pass	
CP-OFDM 16 QAM	2590	Edge_1RB_Left	23.35	/	/	25.35	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass
		Outer_Full	22.87	/	/	24.87	/	/	<=33	Pass
		Inner_Full	23.41	/	/	25.41	/	/	<=33	Pass
	2595	Inner_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass
		Inner_1RB_Right	23.27	/	/	25.27	/	/	<=33	Pass
		Edge_1RB_Left	23.48	/	/	25.48	/	/	<=33	Pass
		Edge_1RB_Right	23.12	/	/	25.12	/	/	<=33	Pass
	2600	Outer_Full	22.80	/	/	24.8	/	/	<=33	Pass
		Inner_Full	23.34	/	/	25.34	/	/	<=33	Pass
		Inner_1RB_Left	23.49	/	/	25.49	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	25.22	/	/	<=33	Pass
2600	Edge_1RB_Left	23.28	/	/	25.28	/	/	<=33	Pass	
	Edge_1RB_Right	23.07	/	/	25.07	/	/	<=33	Pass	



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 12 of 488

CP-OFDM 64 QAM		Outer_Full	22.80	/	/	24.8	/	/	<=33	Pass	
		Inner_Full	23.38	/	/	25.38	/	/	<=33	Pass	
		Inner_1RB_Left	23.26	/	/	25.26	/	/	<=33	Pass	
		Inner_1RB_Right	23.19	/	/	25.19	/	/	<=33	Pass	
	2590	Edge_1RB_Left	23.47	/	/	25.47	/	/	<=33	Pass	
		Edge_1RB_Right	23.29	/	/	25.29	/	/	<=33	Pass	
		Outer_Full	22.45	/	/	24.45	/	/	<=33	Pass	
		Inner_Full	23.40	/	/	25.4	/	/	<=33	Pass	
		Inner_1RB_Left	23.44	/	/	25.44	/	/	<=33	Pass	
		Inner_1RB_Right	23.33	/	/	25.33	/	/	<=33	Pass	
		2595	Edge_1RB_Left	23.51	/	/	25.51	/	/	<=33	Pass
			Edge_1RB_Right	23.17	/	/	25.17	/	/	<=33	Pass
	Outer_Full		22.31	/	/	24.31	/	/	<=33	Pass	
	Inner_Full		23.35	/	/	25.35	/	/	<=33	Pass	
	2600	Inner_1RB_Left	23.48	/	/	25.48	/	/	<=33	Pass	
		Inner_1RB_Right	23.20	/	/	25.2	/	/	<=33	Pass	
Edge_1RB_Left		23.47	/	/	25.47	/	/	<=33	Pass		
Edge_1RB_Right		23.23	/	/	25.23	/	/	<=33	Pass		
Outer_Full		22.32	/	/	24.32	/	/	<=33	Pass		
Inner_Full		23.38	/	/	25.38	/	/	<=33	Pass		
CP-OFDM 256 QAM	2590	Inner_1RB_Left	23.39	/	/	25.39	/	/	<=33	Pass	
		Inner_1RB_Right	23.23	/	/	25.23	/	/	<=33	Pass	
		Edge_1RB_Left	20.92	/	/	22.92	/	/	<=33	Pass	
		Edge_1RB_Right	20.81	/	/	22.81	/	/	<=33	Pass	
		Outer_Full	20.92	/	/	22.92	/	/	<=33	Pass	
		Inner_Full	20.92	/	/	22.92	/	/	<=33	Pass	
		Inner_1RB_Left	21.01	/	/	23.01	/	/	<=33	Pass	
		Inner_1RB_Right	20.79	/	/	22.79	/	/	<=33	Pass	
	2595	Edge_1RB_Left	21.08	/	/	23.08	/	/	<=33	Pass	
		Edge_1RB_Right	20.79	/	/	22.79	/	/	<=33	Pass	
		Outer_Full	20.84	/	/	22.84	/	/	<=33	Pass	
		Inner_Full	20.84	/	/	22.84	/	/	<=33	Pass	
		Inner_1RB_Left	20.99	/	/	22.99	/	/	<=33	Pass	
		Inner_1RB_Right	20.68	/	/	22.68	/	/	<=33	Pass	
	2600	Edge_1RB_Left	20.81	/	/	22.81	/	/	<=33	Pass	
		Edge_1RB_Right	20.69	/	/	22.69	/	/	<=33	Pass	
		Outer_Full	20.87	/	/	22.87	/	/	<=33	Pass	
		Inner_Full	20.90	/	/	22.9	/	/	<=33	Pass	
		Inner_1RB_Left	20.89	/	/	22.89	/	/	<=33	Pass	
		Inner_1RB_Right	20.70	/	/	22.7	/	/	<=33	Pass	

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

## 1.4 30k\_MIMO\_20MHz\_NTNV\_EIRP

### 1.4.1 Test Result



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

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

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

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





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

Report No.: SZCR240100038409

Rev.: 01

Page: 13 of 488

5G NR n38 SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2580	Edge_1RB_Left	20.59	18.25	22.59	22.59	20.25	24.59	<=33	Pass
		Edge_1RB_Right	20.76	18.63	22.83	22.76	20.63	24.83	<=33	Pass
		Outer_Full	20.14	17.87	22.17	22.14	19.87	24.17	<=33	Pass
		Inner_Full	20.67	18.35	22.67	22.67	20.35	24.67	<=33	Pass
		Inner_1RB_Left	20.75	18.24	22.68	22.75	20.24	24.68	<=33	Pass
		Inner_1RB_Right	20.68	18.71	22.81	22.68	20.71	24.81	<=33	Pass
	2595	Edge_1RB_Left	20.66	18.50	22.73	22.66	20.5	24.73	<=33	Pass
		Edge_1RB_Right	20.52	18.95	22.82	22.52	20.95	24.82	<=33	Pass
		Outer_Full	20.05	18.25	22.25	22.05	20.25	24.25	<=33	Pass
		Inner_Full	20.52	18.84	22.77	22.52	20.84	24.77	<=33	Pass
		Inner_1RB_Left	20.57	18.55	22.69	22.57	20.55	24.69	<=33	Pass
		Inner_1RB_Right	20.58	18.87	22.82	22.58	20.87	24.82	<=33	Pass
	2610	Edge_1RB_Left	20.56	18.91	22.83	22.56	20.91	24.83	<=33	Pass
		Edge_1RB_Right	20.53	18.98	22.83	22.53	20.98	24.83	<=33	Pass
		Outer_Full	20.02	18.36	22.28	22.02	20.36	24.28	<=33	Pass
		Inner_Full	20.57	18.82	22.79	22.57	20.82	24.79	<=33	Pass
		Inner_1RB_Left	20.88	18.82	22.98	22.88	20.82	24.98	<=33	Pass
		Inner_1RB_Right	20.63	18.95	22.88	22.63	20.95	24.88	<=33	Pass
CP-OFDM 16 QAM	2580	Edge_1RB_Left	20.67	18.53	22.74	22.67	20.53	24.74	<=33	Pass
		Edge_1RB_Right	20.74	18.96	22.95	22.74	20.96	24.95	<=33	Pass
		Outer_Full	20.17	17.90	22.19	22.17	19.9	24.19	<=33	Pass
		Inner_Full	20.76	18.33	22.73	22.76	20.33	24.73	<=33	Pass
		Inner_1RB_Left	20.80	18.72	22.89	22.8	20.72	24.89	<=33	Pass
		Inner_1RB_Right	20.71	19.04	22.97	22.71	21.04	24.97	<=33	Pass
	2595	Edge_1RB_Left	20.65	18.72	22.80	22.65	20.72	24.8	<=33	Pass
		Edge_1RB_Right	20.68	19.05	22.95	22.68	21.05	24.95	<=33	Pass
		Outer_Full	20.13	18.30	22.32	22.13	20.3	24.32	<=33	Pass
		Inner_Full	20.65	18.99	22.91	22.65	20.99	24.91	<=33	Pass
		Inner_1RB_Left	20.77	18.79	22.90	22.77	20.79	24.9	<=33	Pass
		Inner_1RB_Right	20.76	19.14	23.04	22.76	21.14	25.04	<=33	Pass
	2610	Edge_1RB_Left	20.65	19.21	23.00	22.65	21.21	25	<=33	Pass
		Edge_1RB_Right	20.62	19.29	23.02	22.62	21.29	25.02	<=33	Pass
		Outer_Full	20.11	18.45	22.37	22.11	20.45	24.37	<=33	Pass
		Inner_Full	20.64	19.01	22.91	22.64	21.01	24.91	<=33	Pass
		Inner_1RB_Left	20.74	19.21	23.05	22.74	21.21	25.05	<=33	Pass
		Inner_1RB_Right	20.68	19.24	23.03	22.68	21.24	25.03	<=33	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	20.56	18.09	22.51	22.56	20.09	24.51	<=33	Pass
		Edge_1RB_Right	20.55	18.48	22.65	22.55	20.48	24.65	<=33	Pass
		Outer_Full	19.65	17.43	21.69	21.65	19.43	23.69	<=33	Pass
		Inner_Full	20.66	18.27	22.64	22.66	20.27	24.64	<=33	Pass
		Inner_1RB_Left	20.62	18.15	22.57	22.62	20.15	24.57	<=33	Pass
		Inner_1RB_Right	20.59	18.63	22.73	22.59	20.63	24.73	<=33	Pass
	2595	Edge_1RB_Left	20.38	18.29	22.47	22.38	20.29	24.47	<=33	Pass
		Edge_1RB_Right	20.45	18.72	22.68	22.45	20.72	24.68	<=33	Pass
		Outer_Full	19.60	17.74	21.78	21.6	19.74	23.78	<=33	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.sgs.com.cn  
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

Report No.: SZCR240100038409

Rev.: 01

Page: 14 of 488

		Inner_Full	20.52	18.86	22.78	22.52	20.86	24.78	<=33	Pass	
		Inner_1RB_Left	20.46	18.40	22.56	22.46	20.4	24.56	<=33	Pass	
		Inner_1RB_Right	20.44	18.73	22.68	22.44	20.73	24.68	<=33	Pass	
	2610		Edge_1RB_Left	20.49	18.93	22.79	22.49	20.93	24.79	<=33	Pass
			Edge_1RB_Right	20.45	18.88	22.75	22.45	20.88	24.75	<=33	Pass
			Outer_Full	19.59	17.93	21.85	21.59	19.93	23.85	<=33	Pass
			Inner_Full	20.53	18.92	22.81	22.53	20.92	24.81	<=33	Pass
			Inner_1RB_Left	20.52	18.85	22.78	22.52	20.85	24.78	<=33	Pass
			Inner_1RB_Right	20.48	18.94	22.79	22.48	20.94	24.79	<=33	Pass
	CP-OFDM 256 QAM	2580	Edge_1RB_Left	18.31	15.76	20.23	20.31	17.76	22.23	<=33	Pass
			Edge_1RB_Right	18.30	16.28	20.42	20.3	18.28	22.42	<=33	Pass
			Outer_Full	18.32	15.94	20.30	20.32	17.94	22.3	<=33	Pass
Inner_Full			18.16	15.97	20.21	20.16	17.97	22.21	<=33	Pass	
Inner_1RB_Left			18.27	15.70	20.18	20.27	17.7	22.18	<=33	Pass	
Inner_1RB_Right			18.33	16.24	20.42	20.33	18.24	22.42	<=33	Pass	
2595			Edge_1RB_Left	18.21	16.02	20.26	20.21	18.02	22.26	<=33	Pass
			Edge_1RB_Right	18.21	16.40	20.41	20.21	18.4	22.41	<=33	Pass
			Outer_Full	18.21	16.34	20.39	20.21	18.34	22.39	<=33	Pass
			Inner_Full	18.06	16.43	20.33	20.06	18.43	22.33	<=33	Pass
			Inner_1RB_Left	18.20	16.08	20.28	20.2	18.08	22.28	<=33	Pass
			Inner_1RB_Right	18.18	16.41	20.40	20.18	18.41	22.4	<=33	Pass
2610			Edge_1RB_Left	18.27	16.53	20.50	20.27	18.53	22.5	<=33	Pass
			Edge_1RB_Right	18.18	16.63	20.49	20.18	18.63	22.49	<=33	Pass
			Outer_Full	18.13	16.58	20.44	20.13	18.58	22.44	<=33	Pass
			Inner_Full	18.05	16.58	20.39	20.05	18.58	22.39	<=33	Pass
			Inner_1RB_Left	18.25	16.49	20.47	20.25	18.49	22.47	<=33	Pass
			Inner_1RB_Right	18.15	16.54	20.43	20.15	18.54	22.43	<=33	Pass

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;

Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

## 1.5 30k\_MIMO\_30MHz\_NTNV\_EIRP

### 1.5.1 Test Result

5G NR n38 SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2585	Edge_1RB_Left	20.91	18.32	22.82	22.91	20.32	24.82	<=33	Pass
		Edge_1RB_Right	20.78	18.98	22.99	22.78	20.98	24.99	<=33	Pass
		Outer_Full	20.02	18.10	22.18	22.02	20.1	24.18	<=33	Pass
		Inner_Full	20.48	18.50	22.62	22.48	20.5	24.62	<=33	Pass
		Inner_1RB_Left	20.95	18.26	22.82	22.95	20.26	24.82	<=33	Pass
		Inner_1RB_Right	20.80	18.84	22.94	22.8	20.84	24.94	<=33	Pass
	2595	Edge_1RB_Left	20.81	18.33	22.75	22.81	20.33	24.75	<=33	Pass
		Edge_1RB_Right	20.73	18.89	22.92	22.73	20.89	24.92	<=33	Pass



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 15 of 488

		Outer_Full	20.10	18.22	22.27	22.1	20.22	24.27	<=33	Pass		
		Inner_Full	20.61	18.82	22.82	22.61	20.82	24.82	<=33	Pass		
		Inner_1RB_Left	20.94	18.38	22.85	22.94	20.38	24.85	<=33	Pass		
		Inner_1RB_Right	20.84	18.93	23.00	22.84	20.93	25	<=33	Pass		
	2605	Edge_1RB_Left	20.56	18.74	22.76	22.56	20.74	24.76	<=33	Pass		
		Edge_1RB_Right	20.64	18.71	22.79	22.64	20.71	24.79	<=33	Pass		
		Outer_Full	20.02	18.23	22.23	22.02	20.23	24.23	<=33	Pass		
		Inner_Full	20.49	18.84	22.75	22.49	20.84	24.75	<=33	Pass		
		Inner_1RB_Left	20.59	18.90	22.84	22.59	20.9	24.84	<=33	Pass		
		Inner_1RB_Right	20.52	18.88	22.79	22.52	20.88	24.79	<=33	Pass		
		CP-OFDM 16 QAM	2585	Edge_1RB_Left	20.73	18.52	22.78	22.73	20.52	24.78	<=33	Pass
				Edge_1RB_Right	20.60	19.14	22.94	22.6	21.14	24.94	<=33	Pass
Outer_Full	20.10			17.97	22.18	22.1	19.97	24.18	<=33	Pass		
Inner_Full	20.56			18.50	22.66	22.56	20.5	24.66	<=33	Pass		
2595	Inner_1RB_Left		20.75	18.48	22.77	22.75	20.48	24.77	<=33	Pass		
	Inner_1RB_Right		20.81	19.02	23.02	22.81	21.02	25.02	<=33	Pass		
	Edge_1RB_Left		20.71	18.68	22.82	22.71	20.68	24.82	<=33	Pass		
	Edge_1RB_Right		20.63	19.07	22.93	22.63	21.07	24.93	<=33	Pass		
2605	Outer_Full		20.07	18.27	22.27	22.07	20.27	24.27	<=33	Pass		
	Inner_Full		20.57	18.76	22.77	22.57	20.76	24.77	<=33	Pass		
	Inner_1RB_Left		20.72	18.61	22.80	22.72	20.61	24.8	<=33	Pass		
	Inner_1RB_Right		20.67	19.07	22.95	22.67	21.07	24.95	<=33	Pass		
CP-OFDM 64 QAM	2585	Edge_1RB_Left	20.65	19.09	22.95	22.65	21.09	24.95	<=33	Pass		
		Edge_1RB_Right	20.61	19.24	22.99	22.61	21.24	24.99	<=33	Pass		
		Outer_Full	19.99	18.30	22.24	21.99	20.3	24.24	<=33	Pass		
		Inner_Full	20.50	18.77	22.73	22.5	20.77	24.73	<=33	Pass		
	2595	Inner_1RB_Left	20.70	18.92	22.91	22.7	20.92	24.91	<=33	Pass		
		Inner_1RB_Right	20.53	19.08	22.88	22.53	21.08	24.88	<=33	Pass		
		Edge_1RB_Left	20.54	18.08	22.50	22.54	20.08	24.5	<=33	Pass		
		Edge_1RB_Right	20.48	18.78	22.72	22.48	20.78	24.72	<=33	Pass		
	2605	Outer_Full	19.59	17.44	21.65	21.59	19.44	23.65	<=33	Pass		
		Inner_Full	20.45	18.40	22.56	22.45	20.4	24.56	<=33	Pass		
		Inner_1RB_Left	20.57	17.98	22.47	22.57	19.98	24.47	<=33	Pass		
		Inner_1RB_Right	20.44	18.83	22.72	22.44	20.83	24.72	<=33	Pass		
2595	Edge_1RB_Left	20.56	18.14	22.53	22.56	20.14	24.53	<=33	Pass			
	Edge_1RB_Right	20.54	18.70	22.73	22.54	20.7	24.73	<=33	Pass			
	Outer_Full	19.57	17.74	21.76	21.57	19.74	23.76	<=33	Pass			
	Inner_Full	20.53	18.73	22.74	22.53	20.73	24.74	<=33	Pass			
	Inner_1RB_Left	20.54	18.17	22.52	22.54	20.17	24.52	<=33	Pass			
	Inner_1RB_Right	20.60	18.77	22.79	22.6	20.77	24.79	<=33	Pass			
	2605	Edge_1RB_Left	20.39	18.59	22.59	22.39	20.59	24.59	<=33	Pass		
		Edge_1RB_Right	20.44	18.74	22.68	22.44	20.74	24.68	<=33	Pass		
Outer_Full		19.49	17.78	21.73	21.49	19.78	23.73	<=33	Pass			
Inner_Full		20.49	18.68	22.69	22.49	20.68	24.69	<=33	Pass			
CP-OFDM 256 QAM	2585	Inner_1RB_Left	20.48	18.52	22.62	22.48	20.52	24.62	<=33	Pass		
		Inner_1RB_Right	20.51	18.73	22.72	22.51	20.73	24.72	<=33	Pass		
		Edge_1RB_Left	18.37	15.68	20.24	20.37	17.68	22.24	<=33	Pass		
		Edge_1RB_Right	18.29	16.36	20.44	20.29	18.36	22.44	<=33	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.sgs.com.cn  
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com





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

Report No.: SZCR240100038409

Rev.: 01

Page: 16 of 488

		Outer_Full	18.11	16.05	20.21	20.11	18.05	22.21	<=33	Pass
		Inner_Full	18.10	15.88	20.14	20.1	17.88	22.14	<=33	Pass
		Inner_1RB_Left	18.42	15.60	20.25	20.42	17.6	22.25	<=33	Pass
		Inner_1RB_Right	18.27	16.33	20.42	20.27	18.33	22.42	<=33	Pass
	2595	Edge_1RB_Left	18.30	15.80	20.23	20.3	17.8	22.23	<=33	Pass
		Edge_1RB_Right	18.30	16.52	20.51	20.3	18.52	22.51	<=33	Pass
		Outer_Full	18.18	16.25	20.33	20.18	18.25	22.33	<=33	Pass
		Inner_Full	18.16	16.34	20.36	20.16	18.34	22.36	<=33	Pass
	2605	Inner_1RB_Left	18.39	15.73	20.27	20.39	17.73	22.27	<=33	Pass
		Inner_1RB_Right	18.25	16.43	20.44	20.25	18.43	22.44	<=33	Pass
		Edge_1RB_Left	18.20	16.21	20.33	20.2	18.21	22.33	<=33	Pass
		Edge_1RB_Right	18.16	16.32	20.35	20.16	18.32	22.35	<=33	Pass
	Outer_Full	18.08	16.32	20.30	20.08	18.32	22.3	<=33	Pass	
	Inner_Full	18.05	16.26	20.26	20.05	18.26	22.26	<=33	Pass	
	Inner_1RB_Left	18.19	16.17	20.31	20.19	18.17	22.31	<=33	Pass	
	Inner_1RB_Right	18.07	16.32	20.29	20.07	18.32	22.29	<=33	Pass	

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;

Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

## 1.6 30k\_MIMO\_40MHz\_NTNV\_EIRP

### 1.6.1 Test Result

5G NR n38 SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2590	Edge_1RB_Left	20.71	18.24	22.65	22.71	20.24	24.65	<=33	Pass
		Edge_1RB_Right	20.78	18.84	22.92	22.78	20.84	24.92	<=33	Pass
		Outer_Full	20.15	18.12	22.26	22.15	20.12	24.26	<=33	Pass
		Inner_Full	20.59	18.71	22.76	22.59	20.71	24.76	<=33	Pass
		Inner_1RB_Left	20.86	18.42	22.82	22.86	20.42	24.82	<=33	Pass
		Inner_1RB_Right	20.95	18.86	23.04	22.95	20.86	25.04	<=33	Pass
	2595	Edge_1RB_Left	20.80	18.34	22.76	22.8	20.34	24.76	<=33	Pass
		Edge_1RB_Right	20.51	18.87	22.78	22.51	20.87	24.78	<=33	Pass
		Outer_Full	20.13	18.15	22.26	22.13	20.15	24.26	<=33	Pass
		Inner_Full	20.60	18.70	22.76	22.6	20.7	24.76	<=33	Pass
	2600	Inner_1RB_Left	20.74	18.39	22.73	22.74	20.39	24.73	<=33	Pass
		Inner_1RB_Right	20.72	18.85	22.90	22.72	20.85	24.9	<=33	Pass
		Edge_1RB_Left	20.73	18.35	22.71	22.73	20.35	24.71	<=33	Pass
		Edge_1RB_Right	20.58	18.97	22.86	22.58	20.97	24.86	<=33	Pass
		Outer_Full	20.11	18.40	22.35	22.11	20.4	24.35	<=33	Pass
		Inner_Full	20.60	18.86	22.83	22.6	20.86	24.83	<=33	Pass
CP-OFDM 16	2590	Inner_1RB_Left	20.76	18.37	22.74	22.76	20.37	24.74	<=33	Pass
		Inner_1RB_Right	20.52	18.75	22.74	22.52	20.75	24.74	<=33	Pass
		Edge_1RB_Left	20.82	18.50	22.83	22.82	20.5	24.83	<=33	Pass



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

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

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





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

Report No.: SZCR240100038409

Rev.: 01

Page: 17 of 488

QAM		Edge_1RB_Right	20.68	19.25	23.03	22.68	21.25	25.03	<=33	Pass
		Outer_Full	20.12	18.09	22.23	22.12	20.09	24.23	<=33	Pass
		Inner_Full	20.64	18.77	22.82	22.64	20.77	24.82	<=33	Pass
		Inner_1RB_Left	20.99	18.58	22.96	22.99	20.58	24.96	<=33	Pass
		Inner_1RB_Right	20.63	19.23	23.00	22.63	21.23	25	<=33	Pass
	2595	Edge_1RB_Left	20.87	18.22	22.76	22.87	20.22	24.76	<=33	Pass
		Edge_1RB_Right	20.59	19.01	22.88	22.59	21.01	24.88	<=33	Pass
		Outer_Full	20.01	18.08	22.16	22.01	20.08	24.16	<=33	Pass
		Inner_Full	20.57	18.72	22.75	22.57	20.72	24.75	<=33	Pass
		Inner_1RB_Left	20.78	18.49	22.79	22.78	20.49	24.79	<=33	Pass
	2600	Inner_1RB_Right	20.71	18.83	22.88	22.71	20.83	24.88	<=33	Pass
		Edge_1RB_Left	20.78	18.54	22.81	22.78	20.54	24.81	<=33	Pass
		Edge_1RB_Right	20.51	19.15	22.89	22.51	21.15	24.89	<=33	Pass
		Outer_Full	20.11	18.35	22.33	22.11	20.35	24.33	<=33	Pass
		Inner_Full	20.67	18.88	22.88	22.67	20.88	24.88	<=33	Pass
CP-OFDM 64 QAM	2590	Inner_1RB_Left	20.95	18.78	23.01	22.95	20.78	25.01	<=33	Pass
		Inner_1RB_Right	20.68	19.14	22.99	22.68	21.14	24.99	<=33	Pass
		Edge_1RB_Left	20.59	18.12	22.54	22.59	20.12	24.54	<=33	Pass
		Edge_1RB_Right	20.47	18.80	22.73	22.47	20.8	24.73	<=33	Pass
		Outer_Full	19.61	17.62	21.74	21.61	19.62	23.74	<=33	Pass
	2595	Inner_Full	20.63	18.60	22.74	22.63	20.6	24.74	<=33	Pass
		Inner_1RB_Left	20.71	18.10	22.61	22.71	20.1	24.61	<=33	Pass
		Inner_1RB_Right	20.57	18.73	22.75	22.57	20.73	24.75	<=33	Pass
		Edge_1RB_Left	20.56	18.09	22.51	22.56	20.09	24.51	<=33	Pass
		Edge_1RB_Right	20.35	18.60	22.57	22.35	20.6	24.57	<=33	Pass
	2600	Outer_Full	19.62	17.64	21.75	21.62	19.64	23.75	<=33	Pass
		Inner_Full	20.56	18.67	22.73	22.56	20.67	24.73	<=33	Pass
		Inner_1RB_Left	20.63	17.98	22.51	22.63	19.98	24.51	<=33	Pass
		Inner_1RB_Right	20.42	18.64	22.63	22.42	20.64	24.63	<=33	Pass
		Edge_1RB_Left	20.60	18.19	22.57	22.6	20.19	24.57	<=33	Pass
2590	Edge_1RB_Right	20.38	18.82	22.68	22.38	20.82	24.68	<=33	Pass	
	Outer_Full	19.57	17.87	21.81	21.57	19.87	23.81	<=33	Pass	
	Inner_Full	20.56	18.86	22.80	22.56	20.86	24.8	<=33	Pass	
	Inner_1RB_Left	20.65	18.20	22.60	22.65	20.2	24.6	<=33	Pass	
	Inner_1RB_Right	20.43	18.77	22.68	22.43	20.77	24.68	<=33	Pass	
CP-OFDM 256 QAM	2590	Edge_1RB_Left	18.44	15.80	20.33	20.44	17.8	22.33	<=33	Pass
		Edge_1RB_Right	18.30	16.38	20.45	20.3	18.38	22.45	<=33	Pass
		Outer_Full	18.20	16.19	20.32	20.2	18.19	22.32	<=33	Pass
		Inner_Full	18.17	16.22	20.31	20.17	18.22	22.31	<=33	Pass
		Inner_1RB_Left	18.42	15.74	20.30	20.42	17.74	22.3	<=33	Pass
	2595	Inner_1RB_Right	18.31	16.44	20.49	20.31	18.44	22.49	<=33	Pass
		Edge_1RB_Left	18.41	15.79	20.30	20.41	17.79	22.3	<=33	Pass
		Edge_1RB_Right	18.16	16.41	20.38	20.16	18.41	22.38	<=33	Pass
		Outer_Full	18.20	16.23	20.34	20.2	18.23	22.34	<=33	Pass
		Inner_Full	18.11	16.24	20.28	20.11	18.24	22.28	<=33	Pass
	2600	Inner_1RB_Left	18.38	15.69	20.25	20.38	17.69	22.25	<=33	Pass
		Inner_1RB_Right	18.19	16.43	20.41	20.19	18.43	22.41	<=33	Pass
	2600	Edge_1RB_Left	18.41	15.90	20.34	20.41	17.9	22.34	<=33	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.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



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

Report No.: SZCR240100038409

Rev.: 01

Page: 18 of 488

	Edge_1RB_Right	18.18	16.42	20.40	20.18	18.42	22.4	<=33	Pass
	Outer_Full	18.16	16.39	20.37	20.16	18.39	22.37	<=33	Pass
	Inner_Full	18.20	16.41	20.40	20.2	18.41	22.4	<=33	Pass
	Inner_1RB_Left	18.44	15.89	20.36	20.44	17.89	22.36	<=33	Pass
	Inner_1RB_Right	18.17	16.50	20.43	20.17	18.5	22.43	<=33	Pass

Note1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;

Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 19 of 488

## 2. Frequency Stability

### 2.1 30k\_SISO\_20MHz

#### 2.1.1 Test Result

5G NR n38 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-7.70	-0.0030	/	Pass
				HV	-6.70	-0.0026	/	Pass
			-30	NV	-6.40	-0.0025	/	Pass
				NV	-7.10	-0.0027	/	Pass
			-10	NV	-7.10	-0.0027	/	Pass
				NV	-9.40	-0.0036	/	Pass
			10	NV	-8.50	-0.0033	/	Pass
				NV	-13.30	-0.0051	/	Pass
			30	NV	-9.20	-0.0035	/	Pass
				NV	-3.70	-0.0014	/	Pass
50	NV	-10.40	-0.0040	/	Pass			
	20	Outer_Full	LV	-11.60	-0.0045	/	Pass	
HV			-3.50	-0.0013	/	Pass		
DFT-s-OFDM QPSK	2595	Outer_Full	-30	NV	4.10	0.0016	/	Pass
				NV	7.60	0.0029	/	Pass
			-10	NV	-6.30	-0.0024	/	Pass
				NV	2.30	0.0009	/	Pass
			10	NV	-11.20	-0.0043	/	Pass
				NV	-1.80	-0.0007	/	Pass
			30	NV	-8.90	-0.0034	/	Pass
				NV	-8.40	-0.0032	/	Pass
			50	NV	-10.40	-0.0040	/	Pass
				20	Outer_Full	LV	-1.70	-0.0007
HV	-7.40	-0.0029	/			Pass		
DFT-s-OFDM 16 QAM	2595	Outer_Full	-30	NV	-9.50	-0.0037	/	Pass
				NV	-5.20	-0.0020	/	Pass
			-10	NV	2.00	0.0008	/	Pass
				NV	-13.20	-0.0051	/	Pass
			10	NV	-3.20	-0.0012	/	Pass
				NV	-3.40	-0.0013	/	Pass
			30	NV	-19.40	-0.0075	/	Pass
				NV	-8.50	-0.0033	/	Pass
			50	NV	-11.30	-0.0044	/	Pass
				20	Outer_Full	LV	-8.90	-0.0034
HV	-8.50	-0.0033	/			Pass		
DFT-s-OFDM 64 QAM	2595	Outer_Full	-30	NV	-5.50	-0.0021	/	Pass
				NV	-5.90	-0.0023	/	Pass
			-10	NV	-13.10	-0.0050	/	Pass



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 20 of 488

			0	NV	7.80	0.0030	/	Pass
			10	NV	-3.90	-0.0015	/	Pass
			20	NV	-20.60	-0.0079	/	Pass
			30	NV	-14.80	-0.0057	/	Pass
			40	NV	-14.80	-0.0057	/	Pass
			50	NV	-13.80	-0.0053	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-18.60	-0.0072	/	Pass
				HV	-7.80	-0.0030	/	Pass
			-30	NV	-13.50	-0.0052	/	Pass
			-20	NV	-2.50	-0.0010	/	Pass
			-10	NV	-15.50	-0.0060	/	Pass
			0	NV	-9.40	-0.0036	/	Pass
			10	NV	-10.40	-0.0040	/	Pass
			20	NV	-16.00	-0.0062	/	Pass
			30	NV	5.90	0.0023	/	Pass
			40	NV	-21.30	-0.0082	/	Pass
			50	NV	2.20	0.0008	/	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	10.70	0.0041	/	Pass
				HV	-9.70	-0.0037	/	Pass
			-30	NV	-6.20	-0.0024	/	Pass
			-20	NV	-9.60	-0.0037	/	Pass
			-10	NV	-11.20	-0.0043	/	Pass
			0	NV	-15.60	-0.0060	/	Pass
			10	NV	-8.70	-0.0034	/	Pass
			20	NV	2.00	0.0008	/	Pass
			30	NV	-13.90	-0.0054	/	Pass
			40	NV	-3.20	-0.0012	/	Pass
			50	NV	-4.20	-0.0016	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-10.00	-0.0039	/	Pass
				HV	-4.50	-0.0017	/	Pass
			-30	NV	-11.50	-0.0044	/	Pass
			-20	NV	-2.20	-0.0008	/	Pass
			-10	NV	-9.90	-0.0038	/	Pass
			0	NV	-5.60	-0.0022	/	Pass
			10	NV	-12.40	-0.0048	/	Pass
			20	NV	-11.00	-0.0042	/	Pass
			30	NV	-2.60	-0.0010	/	Pass
			40	NV	0.50	0.0002	/	Pass
			50	NV	-10.60	-0.0041	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-12.40	-0.0048	/	Pass
				HV	-8.10	-0.0031	/	Pass
			-30	NV	-9.30	-0.0036	/	Pass
			-20	NV	-8.50	-0.0033	/	Pass
			-10	NV	-3.40	-0.0013	/	Pass
			0	NV	8.80	0.0034	/	Pass
			10	NV	-16.30	-0.0063	/	Pass
			20	NV	-3.10	-0.0012	/	Pass
			30	NV	-11.60	-0.0045	/	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.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com





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

Report No.: SZCR240100038409

Rev.: 01

Page: 21 of 488

Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)	Verdict	
			Result	Limit				
CP-OFDM 256 QAM	2595	Outer_Full	40	NV	-10.50	-0.0040	/	Pass
			50	NV	-6.50	-0.0025	/	Pass
			20	LV	-4.80	-0.0018	/	Pass
				HV	-13.00	-0.0050	/	Pass
			-30	NV	-10.30	-0.0040	/	Pass
			-20	NV	-5.40	-0.0021	/	Pass
			-10	NV	-7.60	-0.0029	/	Pass
			0	NV	-3.30	-0.0013	/	Pass
			10	NV	-7.80	-0.0030	/	Pass
			20	NV	-5.50	-0.0021	/	Pass
			30	NV	-7.60	-0.0029	/	Pass
			40	NV	6.60	0.0025	/	Pass
			50	NV	-10.20	-0.0039	/	Pass

## 2.2 30k\_SISO\_30MHz

### 2.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-1.90	-0.0007	/	Pass
				HV	-10.80	-0.0042	/	Pass
			-30	NV	-8.30	-0.0032	/	Pass
			-20	NV	-15.50	-0.0060	/	Pass
			-10	NV	-12.10	-0.0047	/	Pass
			0	NV	-10.80	-0.0042	/	Pass
			10	NV	-15.90	-0.0061	/	Pass
			20	NV	5.40	0.0021	/	Pass
			30	NV	-8.60	-0.0033	/	Pass
			40	NV	-2.60	-0.0010	/	Pass
50	NV	-8.00	-0.0031	/	Pass			
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-8.40	-0.0032	/	Pass
				HV	12.80	0.0049	/	Pass
			-30	NV	-6.00	-0.0023	/	Pass
			-20	NV	-6.80	-0.0026	/	Pass
			-10	NV	-14.90	-0.0057	/	Pass
			0	NV	1.70	0.0007	/	Pass
			10	NV	-7.00	-0.0027	/	Pass
			20	NV	-3.80	-0.0015	/	Pass
			30	NV	3.20	0.0012	/	Pass
			40	NV	-8.50	-0.0033	/	Pass
50	NV	-4.60	-0.0018	/	Pass			
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-8.60	-0.0033	/	Pass
				HV	-12.60	-0.0049	/	Pass
			-30	NV	-15.10	-0.0058	/	Pass



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 22 of 488

			-20	NV	-8.90	-0.0034	/	Pass
			-10	NV	-9.10	-0.0035	/	Pass
			0	NV	-9.50	-0.0037	/	Pass
			10	NV	-4.80	-0.0018	/	Pass
			20	NV	2.80	0.0011	/	Pass
			30	NV	-3.70	-0.0014	/	Pass
			40	NV	-6.60	-0.0025	/	Pass
			50	NV	-4.30	-0.0017	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	3.50	0.0013	/	Pass
				HV	-6.60	-0.0025	/	Pass
			-30	NV	-10.00	-0.0039	/	Pass
			-20	NV	-11.10	-0.0043	/	Pass
			-10	NV	-8.50	-0.0033	/	Pass
			0	NV	-3.60	-0.0014	/	Pass
			10	NV	-9.40	-0.0036	/	Pass
			20	NV	-10.00	-0.0039	/	Pass
			30	NV	-7.90	-0.0030	/	Pass
			40	NV	-11.00	-0.0042	/	Pass
			50	NV	-9.00	-0.0035	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-1.70	-0.0007	/	Pass
				HV	-14.60	-0.0056	/	Pass
			-30	NV	11.50	0.0044	/	Pass
			-20	NV	-12.00	-0.0046	/	Pass
			-10	NV	-3.10	-0.0012	/	Pass
			0	NV	-13.60	-0.0052	/	Pass
			10	NV	-11.00	-0.0042	/	Pass
			20	NV	-2.40	-0.0009	/	Pass
			30	NV	-6.60	-0.0025	/	Pass
			40	NV	-7.80	-0.0030	/	Pass
			50	NV	1.60	0.0006	/	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	5.10	0.0020	/	Pass
				HV	-12.30	-0.0047	/	Pass
			-30	NV	-7.30	-0.0028	/	Pass
			-20	NV	-3.10	-0.0012	/	Pass
			-10	NV	-8.00	-0.0031	/	Pass
			0	NV	-8.30	-0.0032	/	Pass
			10	NV	-14.10	-0.0054	/	Pass
			20	NV	-4.90	-0.0019	/	Pass
			30	NV	-3.90	-0.0015	/	Pass
			40	NV	-3.00	-0.0012	/	Pass
			50	NV	-10.80	-0.0042	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	4.80	0.0018	/	Pass
				HV	-8.30	-0.0032	/	Pass
			-30	NV	-5.80	-0.0022	/	Pass
			-20	NV	-10.30	-0.0040	/	Pass
			-10	NV	-5.20	-0.0020	/	Pass
			0	NV	-2.70	-0.0010	/	Pass
			10	NV	-4.40	-0.0017	/	Pass



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

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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 23 of 488

			20	NV	-6.00	-0.0023	/	Pass
			30	NV	-5.30	-0.0020	/	Pass
			40	NV	-3.30	-0.0013	/	Pass
			50	NV	1.10	0.0004	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-10.30	-0.0040	/	Pass
				HV	-9.20	-0.0035	/	Pass
			-30	NV	0.70	0.0003	/	Pass
			-20	NV	-10.10	-0.0039	/	Pass
			-10	NV	-4.60	-0.0018	/	Pass
			0	NV	-8.50	-0.0033	/	Pass
			10	NV	8.80	0.0034	/	Pass
			20	NV	-5.30	-0.0020	/	Pass
			30	NV	-2.90	-0.0011	/	Pass
			40	NV	-7.00	-0.0027	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	50	NV	-4.70	-0.0018	/	Pass
			20	LV	3.00	0.0012	/	Pass
				HV	-10.90	-0.0042	/	Pass
			-30	NV	6.20	0.0024	/	Pass
			-20	NV	5.10	0.0020	/	Pass
			-10	NV	-1.70	-0.0007	/	Pass
			0	NV	-7.70	-0.0030	/	Pass
			10	NV	-5.90	-0.0023	/	Pass
			20	NV	9.70	0.0037	/	Pass
			30	NV	-9.90	-0.0038	/	Pass
			40	NV	-2.80	-0.0011	/	Pass
			50	NV	-2.30	-0.0009	/	Pass

## 2.3 30k\_SISO\_40MHz

### 2.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-6.20	-0.0024	/	Pass
				HV	-12.30	-0.0047	/	Pass
			-30	NV	-11.50	-0.0044	/	Pass
			-20	NV	-2.80	-0.0011	/	Pass
			-10	NV	-3.70	-0.0014	/	Pass
			0	NV	-9.90	-0.0038	/	Pass
			10	NV	-3.00	-0.0012	/	Pass
			20	NV	10.10	0.0039	/	Pass
			30	NV	-7.50	-0.0029	/	Pass
			40	NV	3.10	0.0012	/	Pass
			50	NV	-12.30	-0.0047	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-11.80	-0.0045	/	Pass



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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 24 of 488

				HV	-6.60	-0.0025	/	Pass			
			-30	NV	-3.00	-0.0012	/	Pass			
			-20	NV	-8.00	-0.0031	/	Pass			
			-10	NV	-4.60	-0.0018	/	Pass			
			0	NV	-11.80	-0.0045	/	Pass			
			10	NV	-6.10	-0.0024	/	Pass			
			20	NV	-8.60	-0.0033	/	Pass			
			30	NV	-8.70	-0.0034	/	Pass			
			40	NV	-9.90	-0.0038	/	Pass			
			50	NV	-7.60	-0.0029	/	Pass			
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-4.10	-0.0016	/	Pass			
				HV	-9.40	-0.0036	/	Pass			
						-30	NV	-17.30	-0.0067	/	Pass
						-20	NV	-12.40	-0.0048	/	Pass
						-10	NV	-10.30	-0.0040	/	Pass
						0	NV	7.00	0.0027	/	Pass
						10	NV	-9.70	-0.0037	/	Pass
						20	NV	-8.50	-0.0033	/	Pass
						30	NV	-2.30	-0.0009	/	Pass
						40	NV	-8.00	-0.0031	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-6.50	-0.0025	/	Pass			
				HV	-6.20	-0.0024	/	Pass			
						-30	NV	-6.70	-0.0026	/	Pass
						-20	NV	-9.90	-0.0038	/	Pass
						-10	NV	-11.20	-0.0043	/	Pass
						0	NV	-7.00	-0.0027	/	Pass
						10	NV	-5.20	-0.0020	/	Pass
						20	NV	-6.40	-0.0025	/	Pass
						30	NV	-17.20	-0.0066	/	Pass
						40	NV	-10.30	-0.0040	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-12.80	-0.0049	/	Pass			
				HV	-3.70	-0.0014	/	Pass			
						-30	NV	-7.50	-0.0029	/	Pass
						-20	NV	-4.70	-0.0018	/	Pass
						-10	NV	-4.20	-0.0016	/	Pass
						0	NV	-3.80	-0.0015	/	Pass
						10	NV	-6.90	-0.0027	/	Pass
						20	NV	-5.20	-0.0020	/	Pass
						30	NV	-6.90	-0.0027	/	Pass
						40	NV	-9.10	-0.0035	/	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-3.00	-0.0012	/	Pass			
				HV	-1.90	-0.0007	/	Pass			
						-30	NV	-11.80	-0.0045	/	Pass
						-20	NV	-6.90	-0.0027	/	Pass
						-10	NV	-3.00	-0.0012	/	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  
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房

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





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

Report No.: SZCR240100038409

Rev.: 01

Page: 25 of 488

			0	NV	-8.80	-0.0034	/	Pass
			10	NV	-13.30	-0.0051	/	Pass
			20	NV	-11.10	-0.0043	/	Pass
			30	NV	-2.90	-0.0011	/	Pass
			40	NV	-12.30	-0.0047	/	Pass
			50	NV	-6.10	-0.0024	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	0.70	0.0003	/	Pass
				HV	-12.30	-0.0047	/	Pass
			-30	NV	-3.30	-0.0013	/	Pass
			-20	NV	-14.00	-0.0054	/	Pass
			-10	NV	-1.00	-0.0004	/	Pass
			0	NV	-17.70	-0.0068	/	Pass
			10	NV	-7.80	-0.0030	/	Pass
			20	NV	-2.10	-0.0008	/	Pass
			30	NV	-5.00	-0.0019	/	Pass
			40	NV	-7.10	-0.0027	/	Pass
			50	NV	-12.60	-0.0049	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-9.30	-0.0036	/	Pass
				HV	-4.00	-0.0015	/	Pass
			-30	NV	-2.00	-0.0008	/	Pass
			-20	NV	-4.20	-0.0016	/	Pass
			-10	NV	-5.80	-0.0022	/	Pass
			0	NV	-3.10	-0.0012	/	Pass
			10	NV	-8.10	-0.0031	/	Pass
			20	NV	-6.40	-0.0025	/	Pass
			30	NV	-2.30	-0.0009	/	Pass
			40	NV	-12.40	-0.0048	/	Pass
			50	NV	-7.80	-0.0030	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-13.40	-0.0052	/	Pass
				HV	-9.80	-0.0038	/	Pass
			-30	NV	-8.70	-0.0034	/	Pass
			-20	NV	-4.80	-0.0018	/	Pass
			-10	NV	-3.40	-0.0013	/	Pass
			0	NV	-5.00	-0.0019	/	Pass
			10	NV	-9.90	-0.0038	/	Pass
			20	NV	-3.60	-0.0014	/	Pass
			30	NV	-7.70	-0.0030	/	Pass
			40	NV	-11.50	-0.0044	/	Pass
			50	NV	-3.80	-0.0015	/	Pass



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 26 of 488

## 3. 99% & 26dB Bandwidth

### 3.1 30k\_SISO\_20MHz\_NTNV

#### 3.1.1 Test Result

5G NR n38 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	18.38	19.34	/	Pass
	2595	Outer_Full	18.11	19.61	/	Pass
	2610	Outer_Full	18.10	19.68	/	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	18.38	19.48	/	Pass
	2595	Outer_Full	18.17	19.64	/	Pass
	2610	Outer_Full	18.14	19.81	/	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	18.36	19.49	/	Pass
	2595	Outer_Full	18.12	19.80	/	Pass
	2610	Outer_Full	18.12	19.61	/	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	18.37	19.38	/	Pass
	2595	Outer_Full	18.11	19.63	/	Pass
	2610	Outer_Full	18.16	19.77	/	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	18.39	19.41	/	Pass
	2595	Outer_Full	18.10	19.74	/	Pass
	2610	Outer_Full	18.09	19.78	/	Pass
CP-OFDM QPSK	2580	Outer_Full	18.78	19.70	/	Pass
	2595	Outer_Full	18.43	20.29	/	Pass
	2610	Outer_Full	18.51	21.12	/	Pass
CP-OFDM 16 QAM	2580	Outer_Full	18.75	19.66	/	Pass
	2595	Outer_Full	18.42	20.53	/	Pass
	2610	Outer_Full	18.41	20.73	/	Pass
CP-OFDM 64 QAM	2580	Outer_Full	18.71	19.84	/	Pass
	2595	Outer_Full	18.44	20.16	/	Pass
	2610	Outer_Full	18.42	20.94	/	Pass
CP-OFDM 256 QAM	2580	Outer_Full	18.75	19.97	/	Pass
	2595	Outer_Full	18.43	20.14	/	Pass
	2610	Outer_Full	18.35	20.09	/	Pass



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

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

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

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



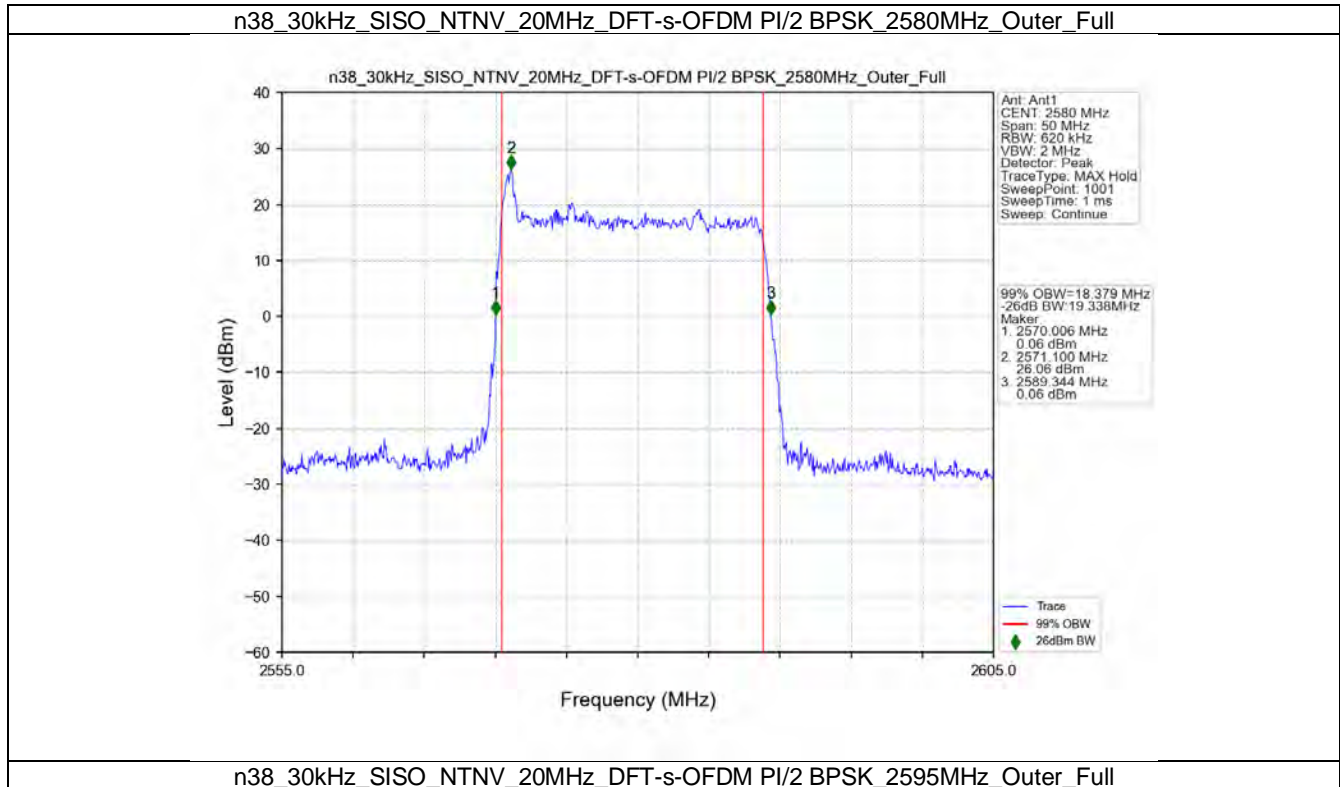
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 27 of 488

3.1.2 Test Graph



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

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

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

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

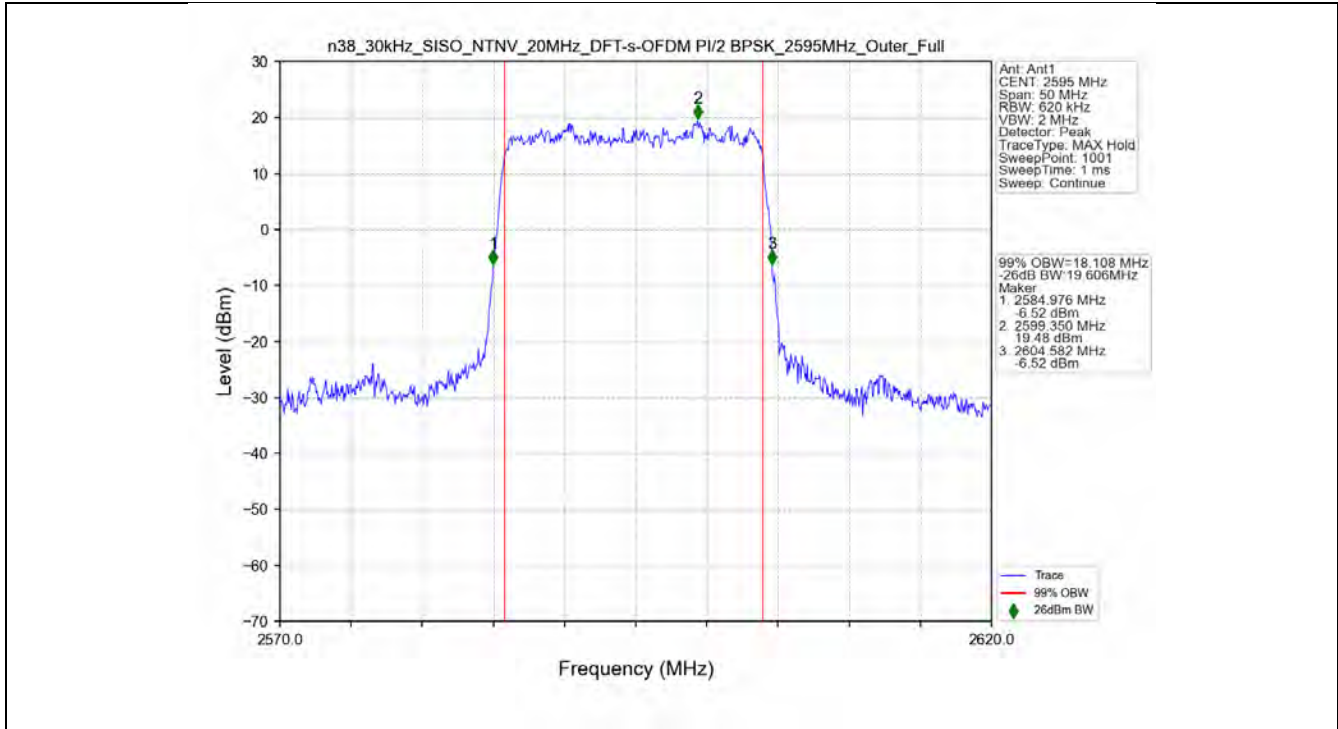


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 28 of 488



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

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

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

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



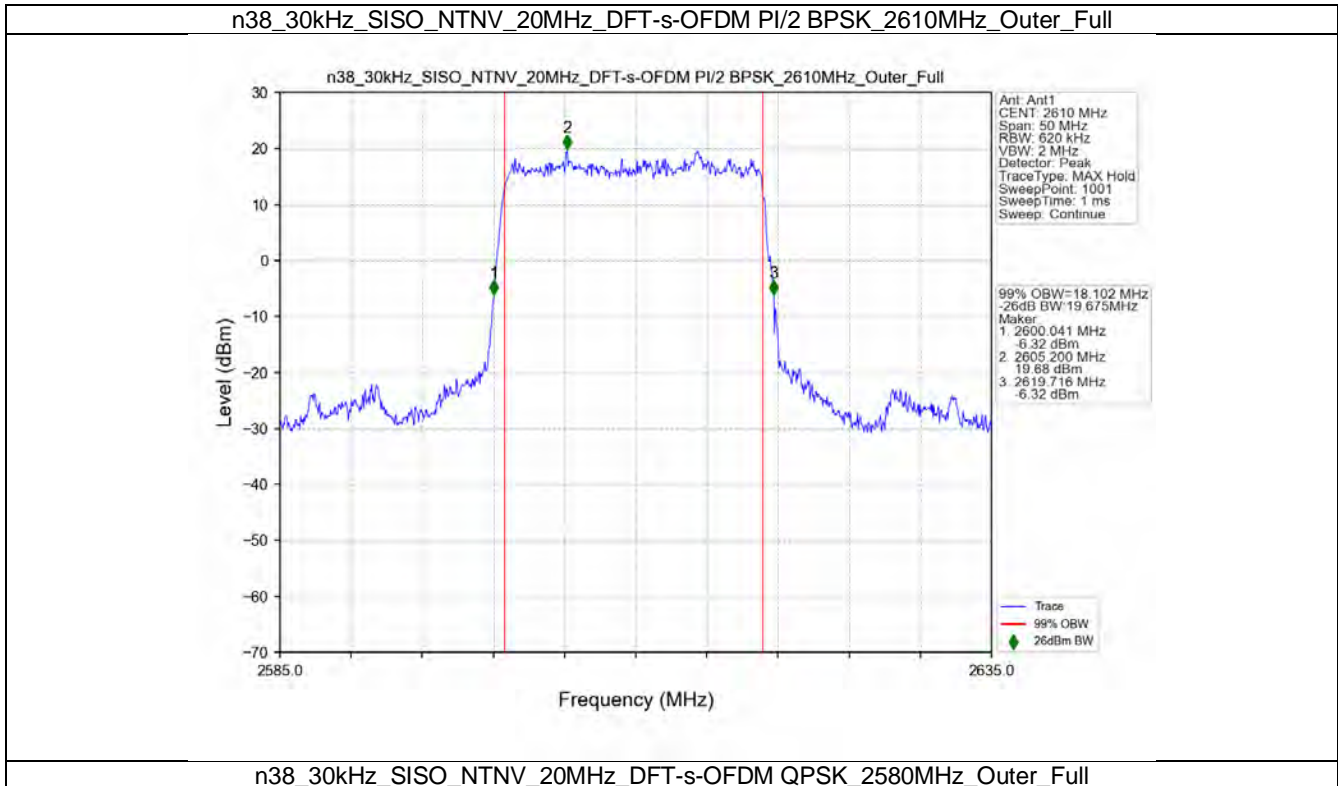


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 29 of 488



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

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

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

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

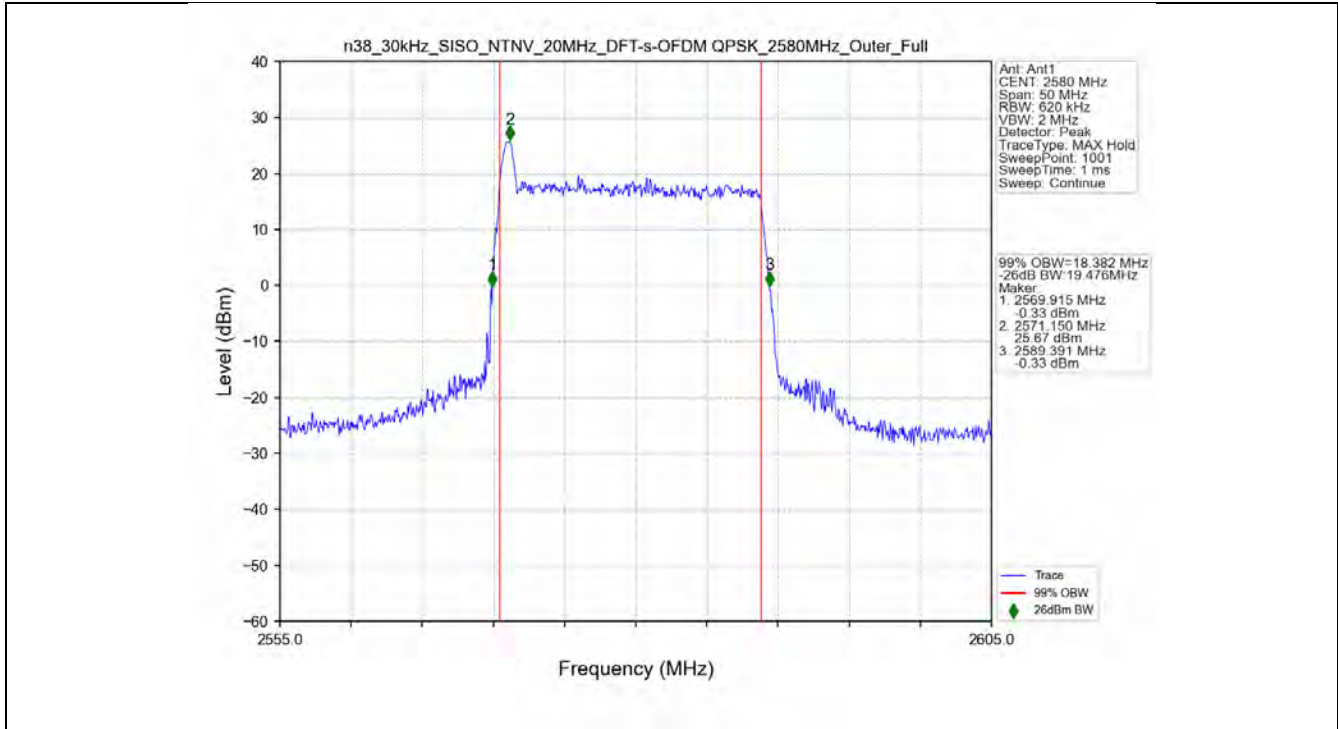


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 30 of 488



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

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

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

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



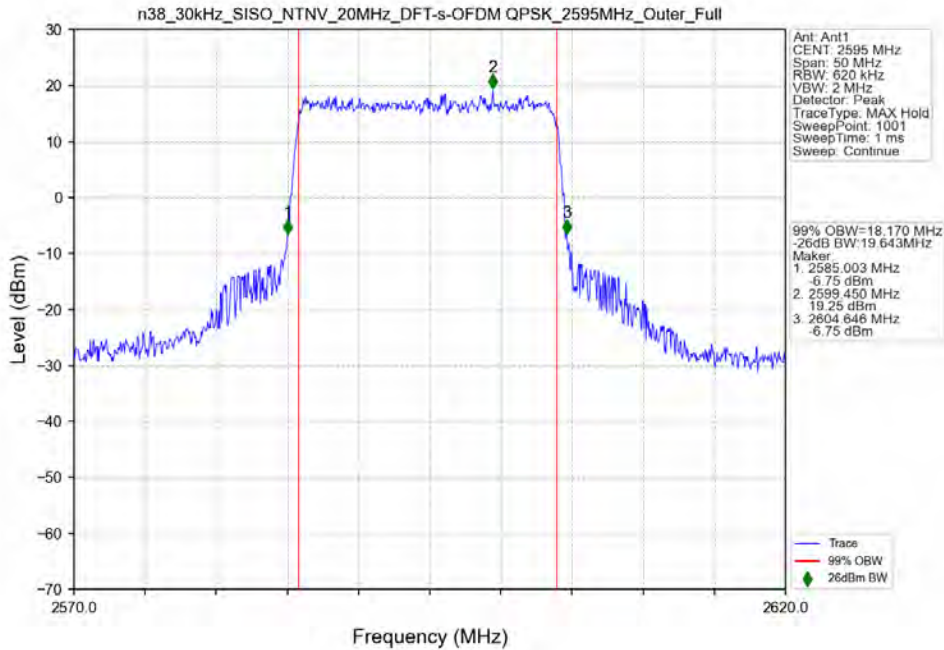
**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 31 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2595MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_2610MHz\_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

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

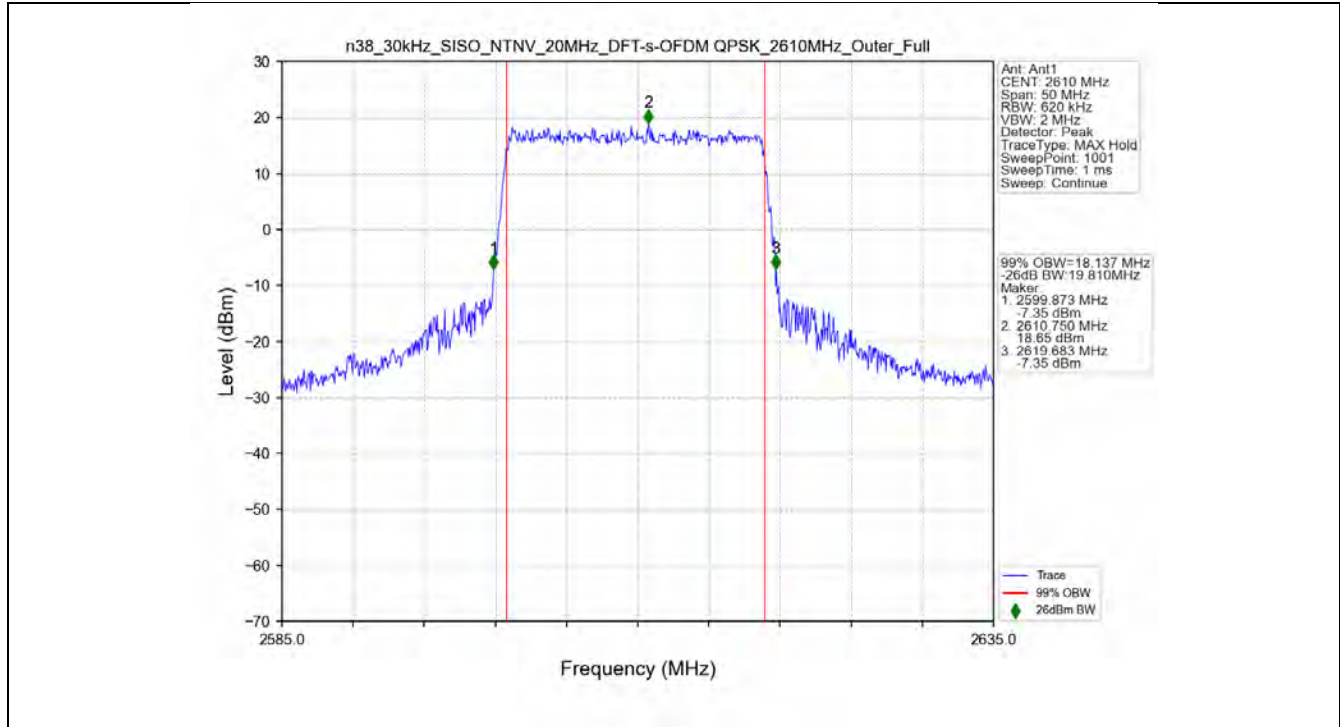


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 32 of 488



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

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

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

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



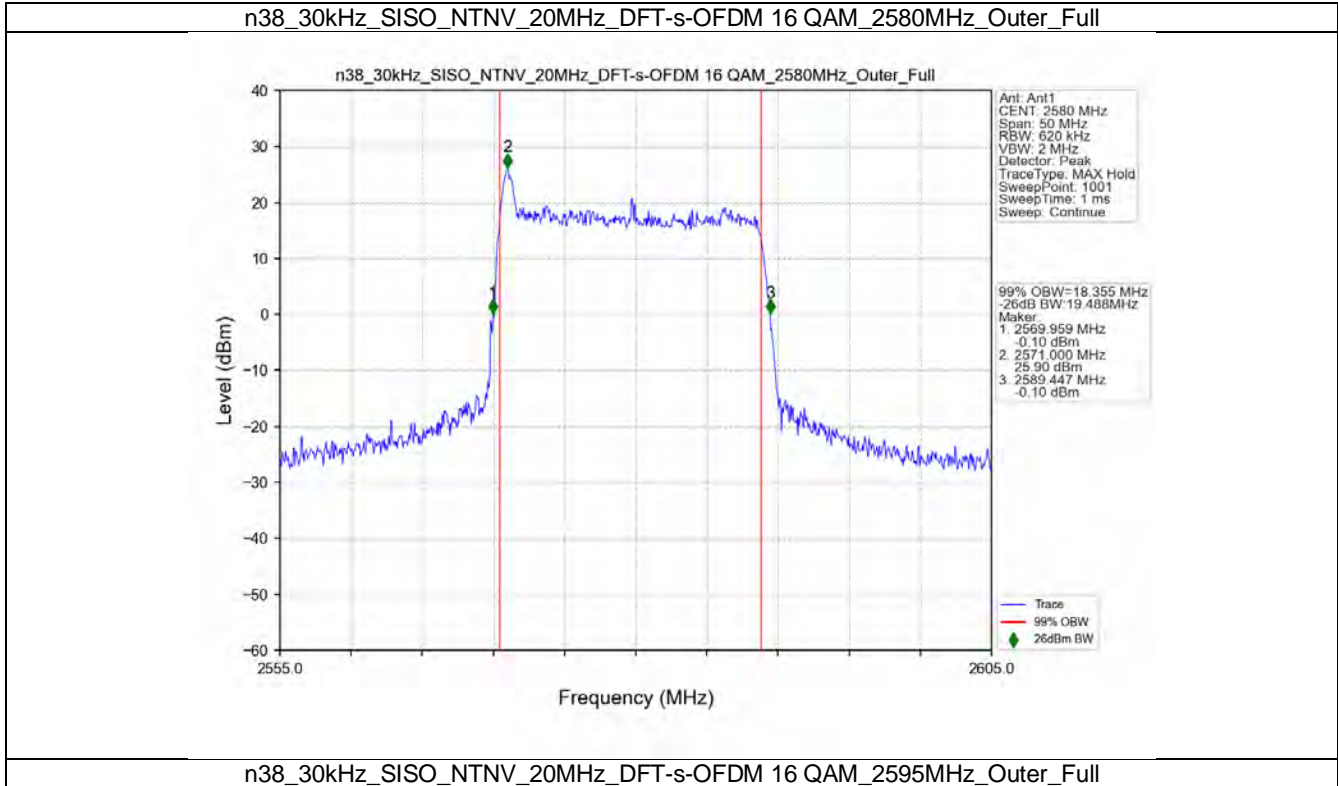


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 33 of 488



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

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

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

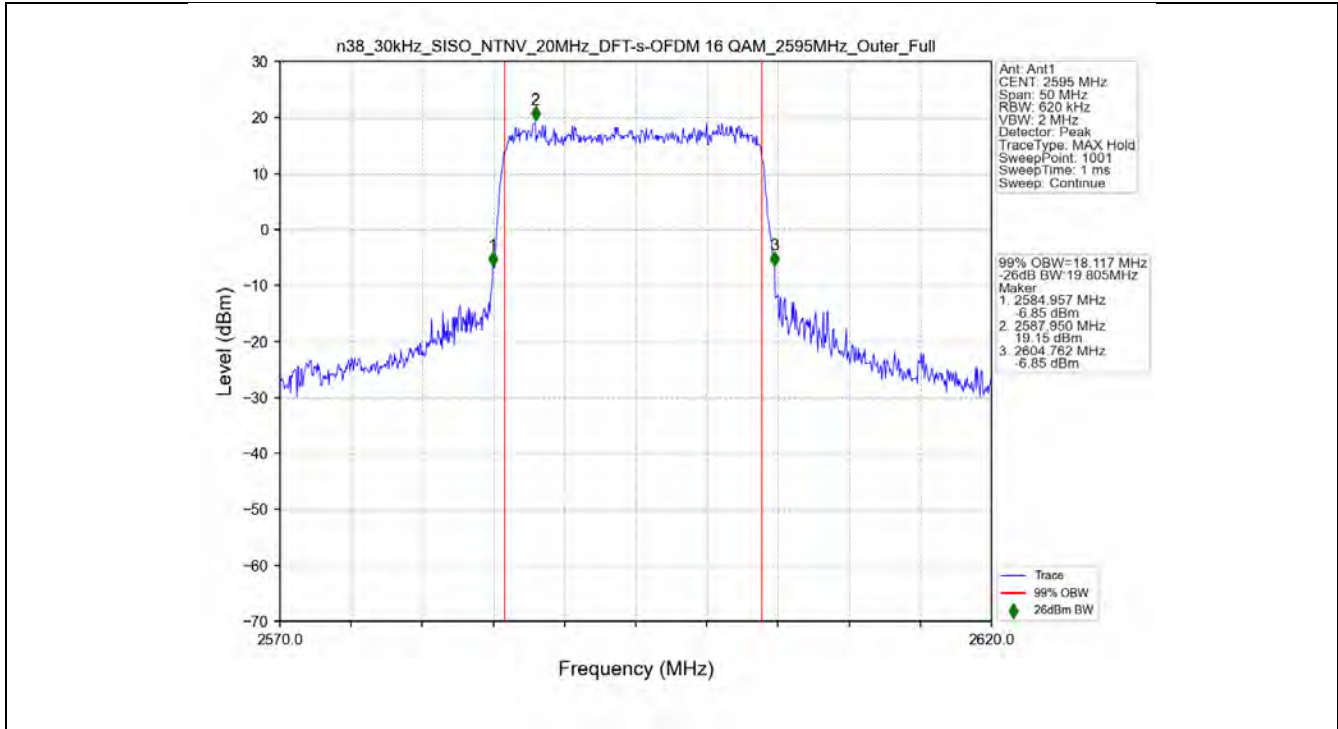


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 34 of 488



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

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

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

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

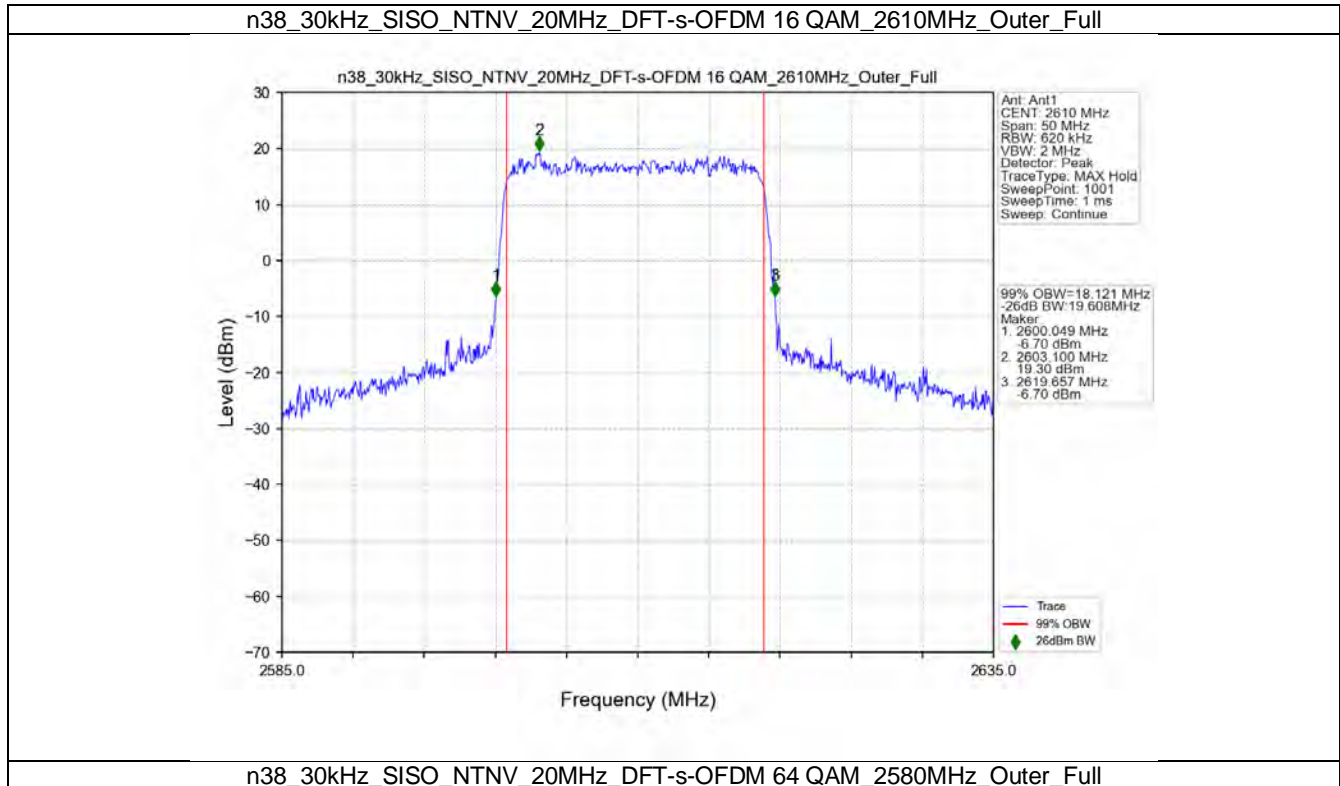


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 35 of 488



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

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

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

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

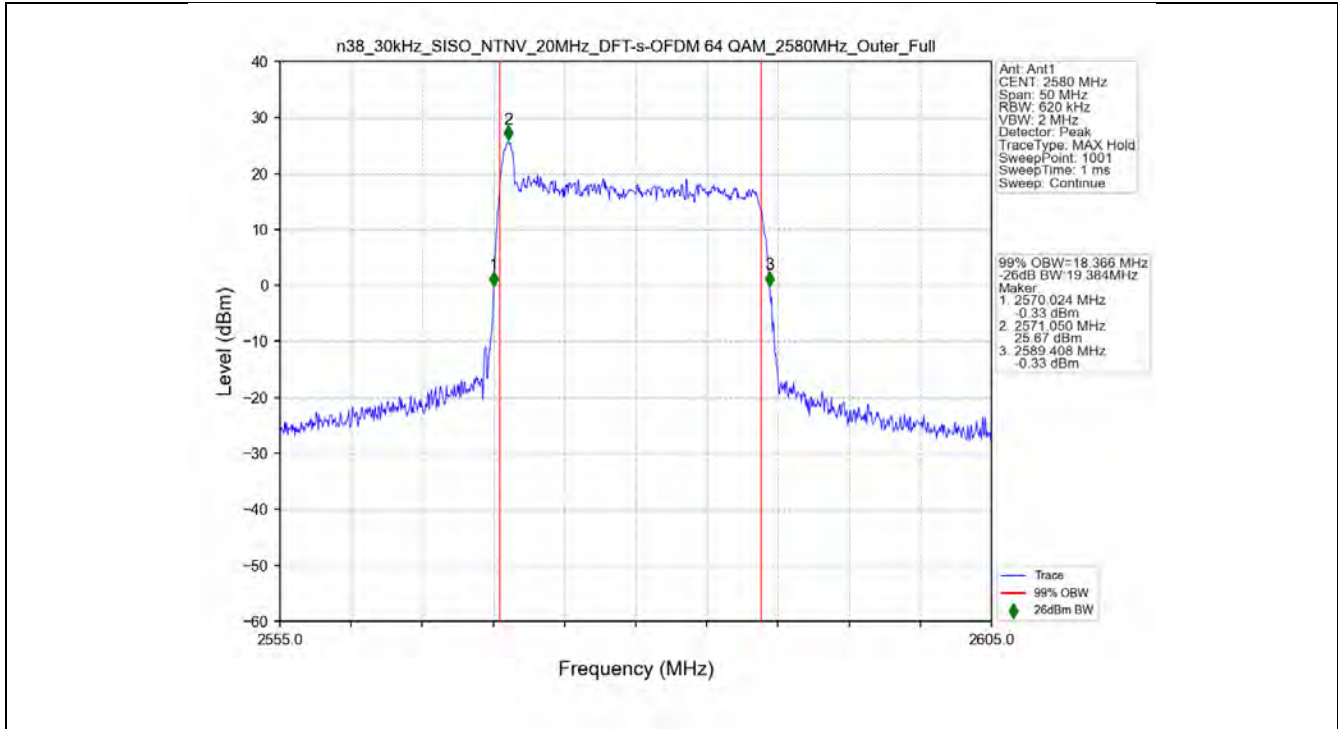


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 36 of 488



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

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

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

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



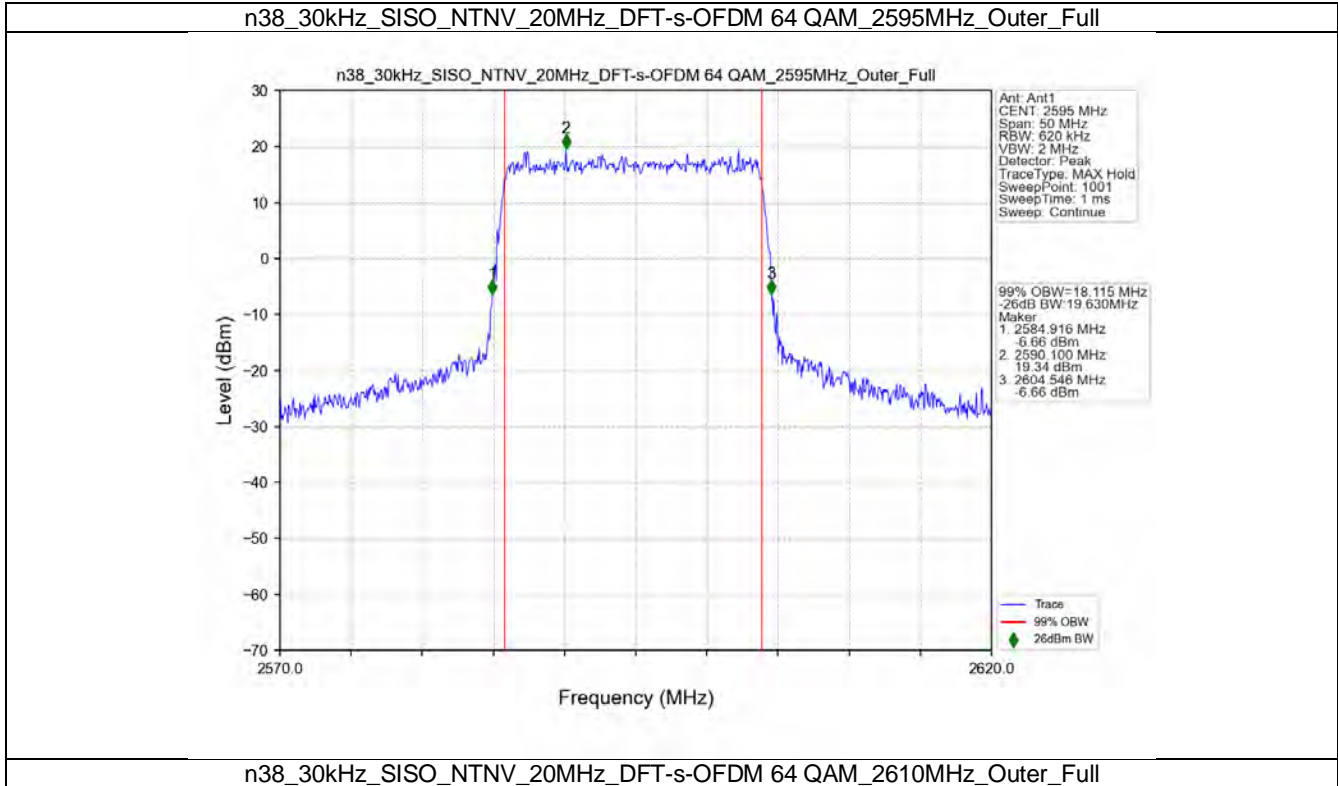


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 37 of 488



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

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

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

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

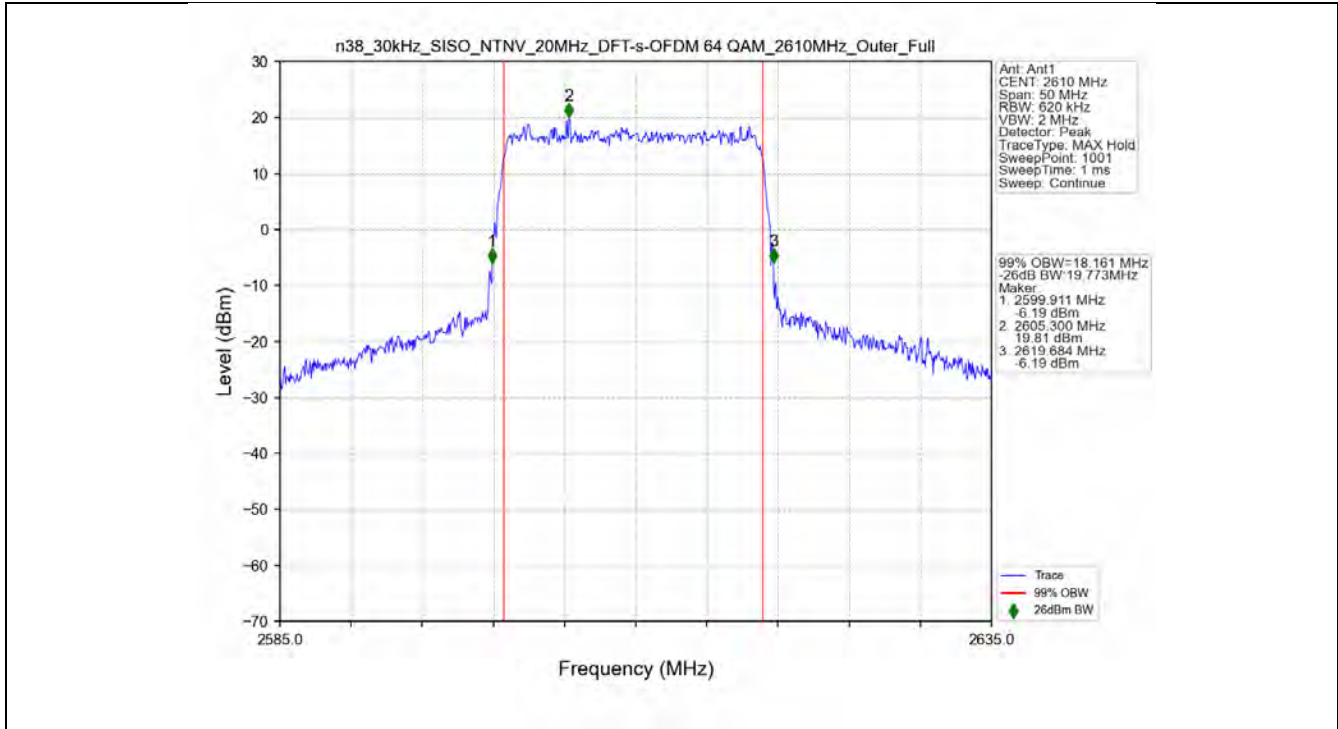


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 38 of 488



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

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

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

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



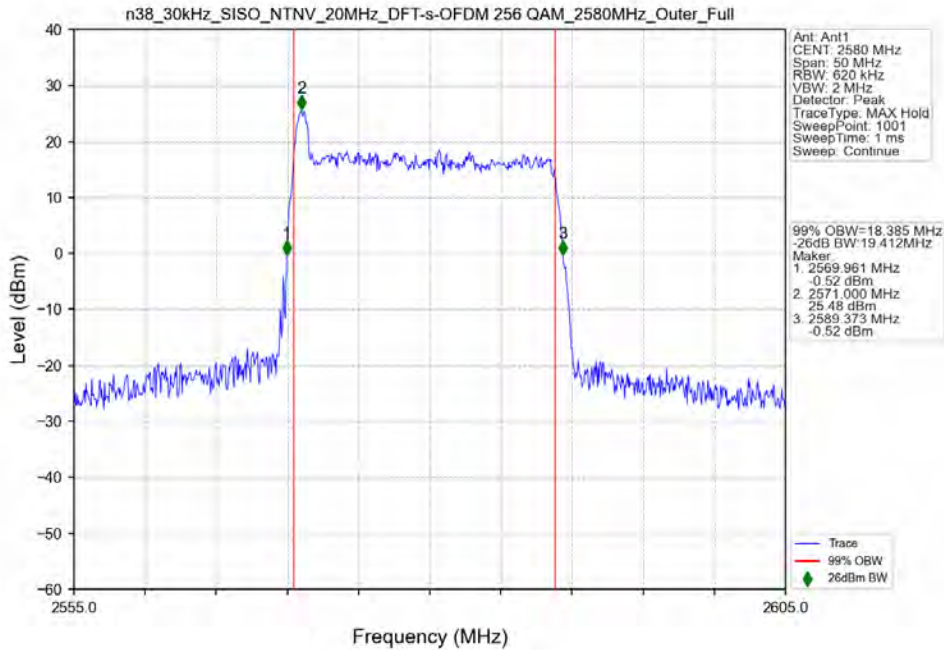
**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 39 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_2580MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_2595MHz\_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  
 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

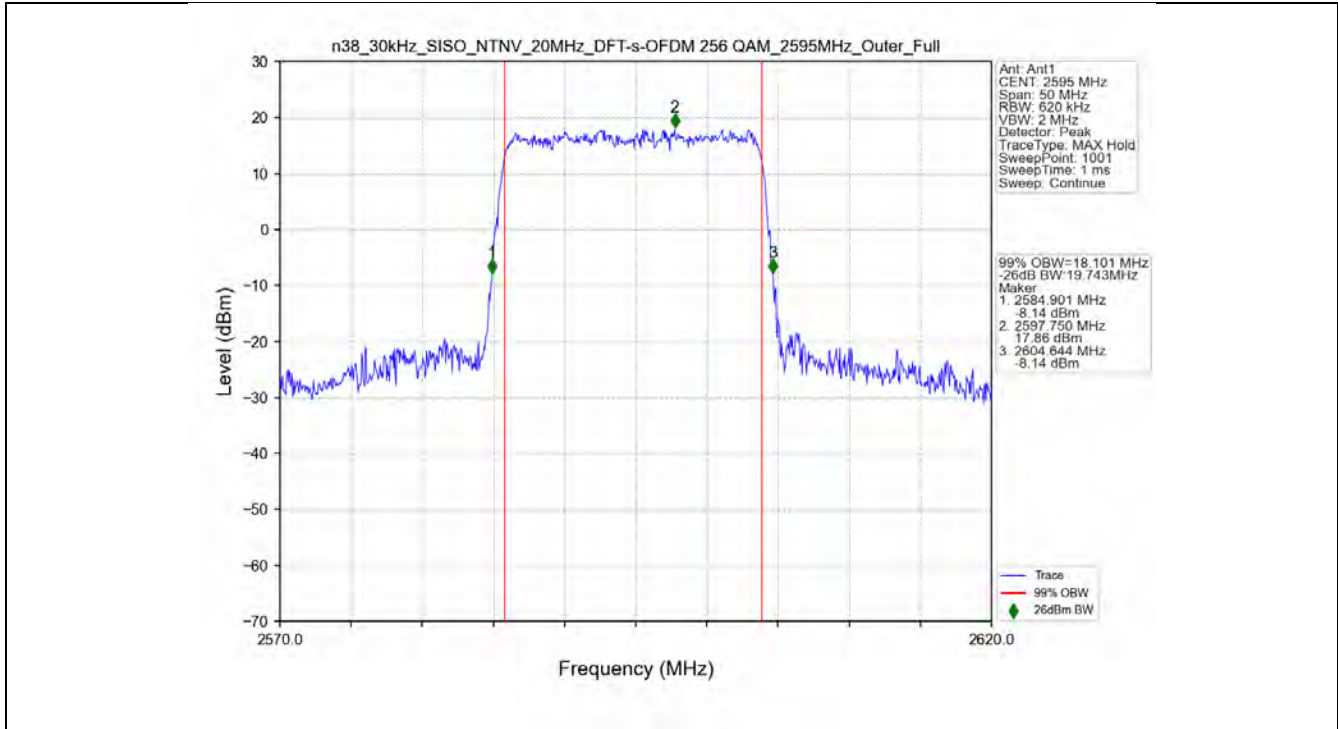


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 40 of 488



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

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

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

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



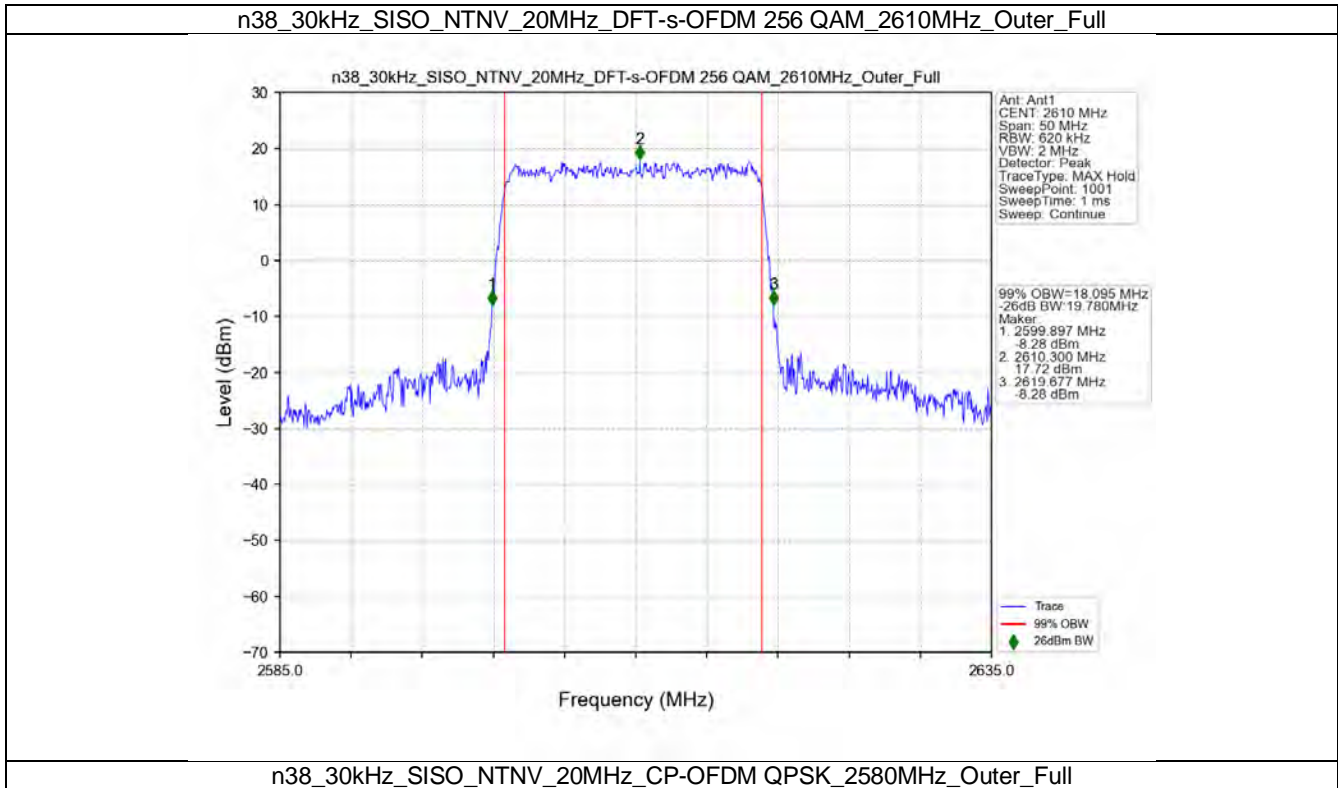


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 41 of 488



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

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

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

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

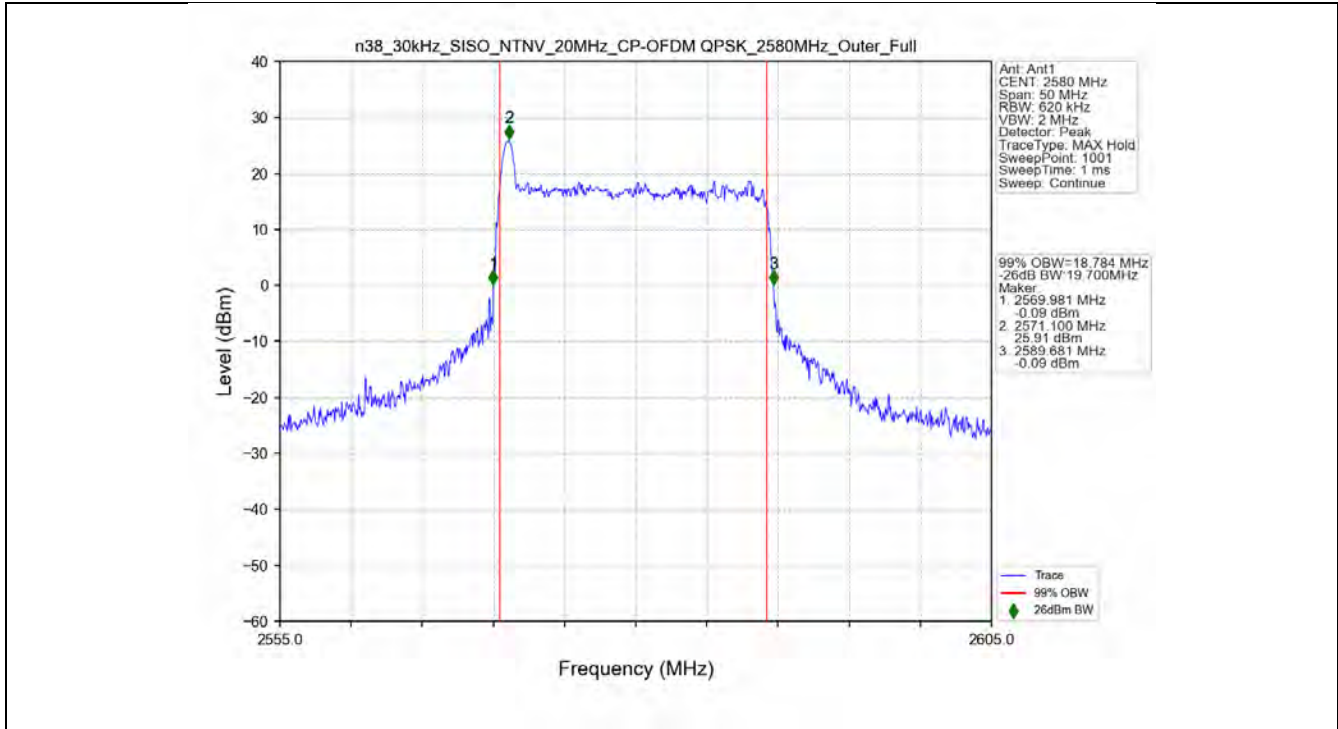


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 42 of 488



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

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

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

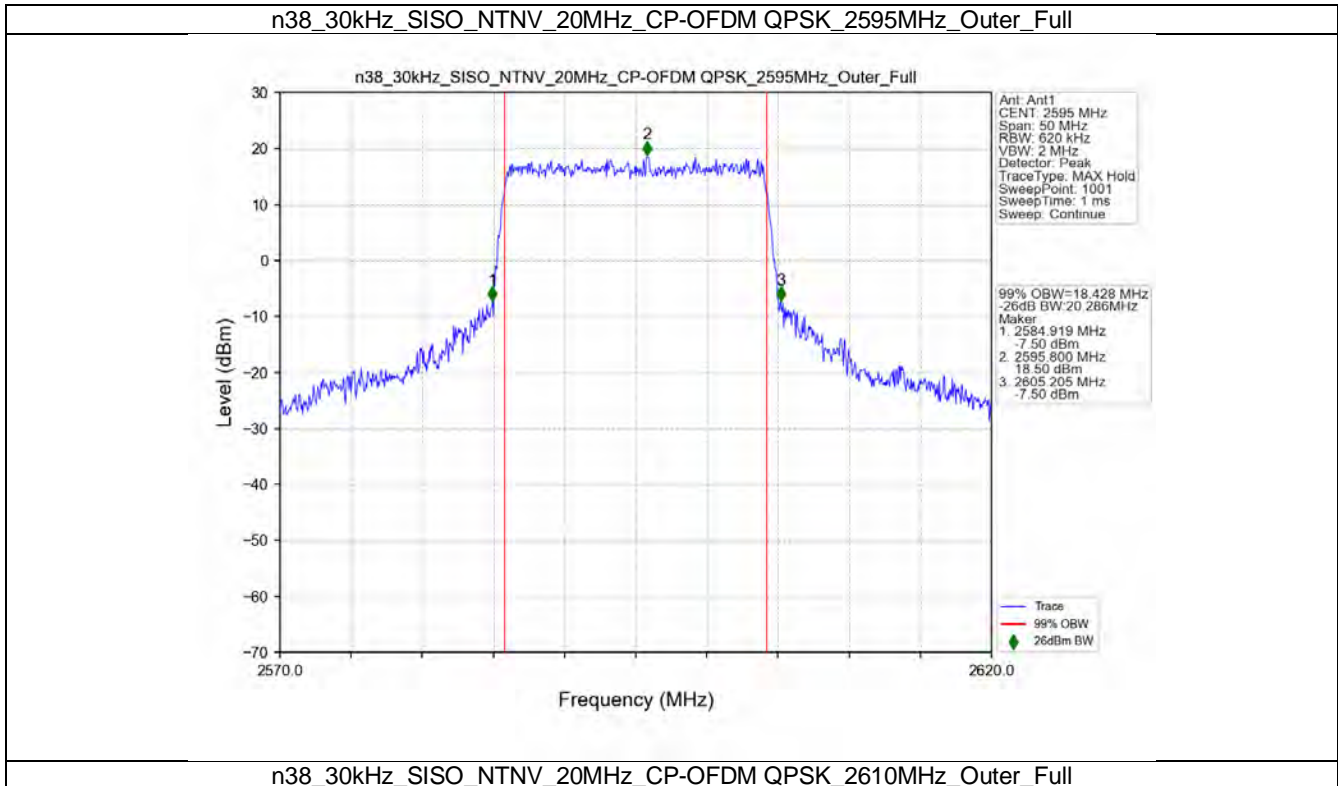


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 43 of 488



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

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

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

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

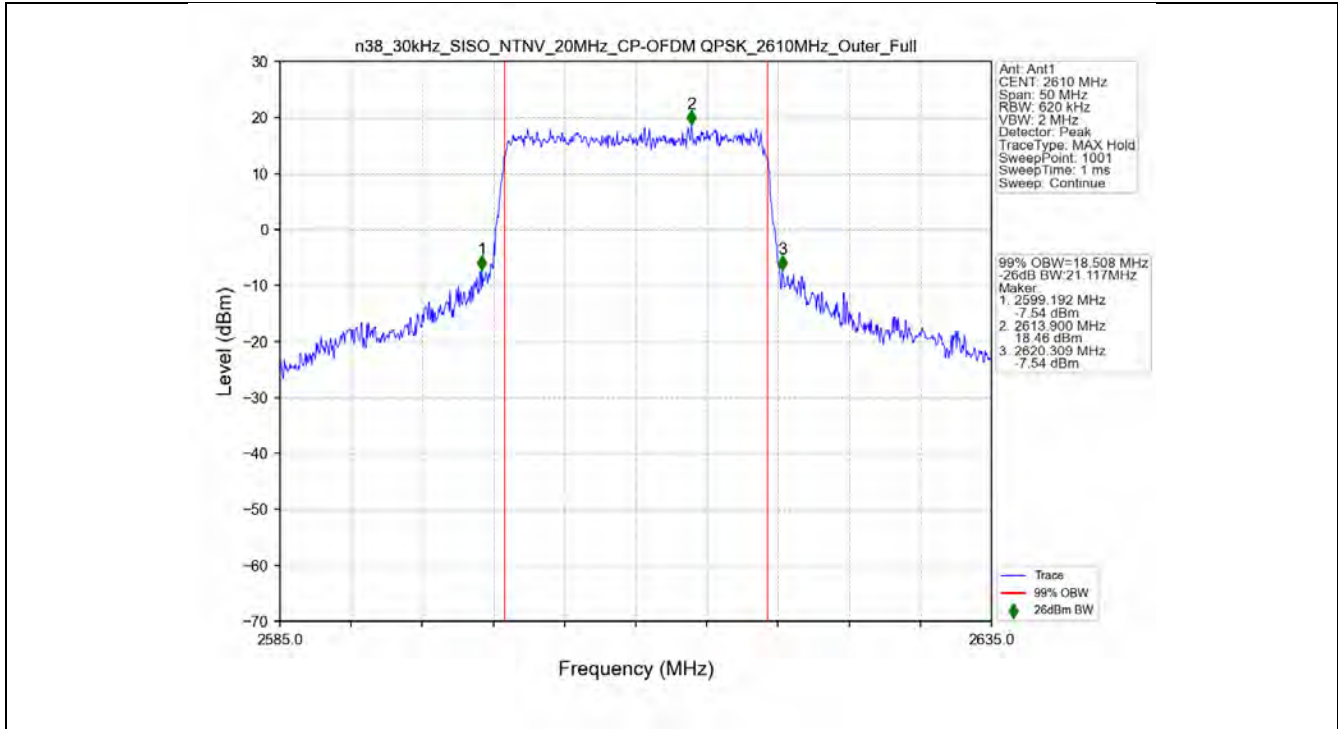


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 44 of 488



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

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

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

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



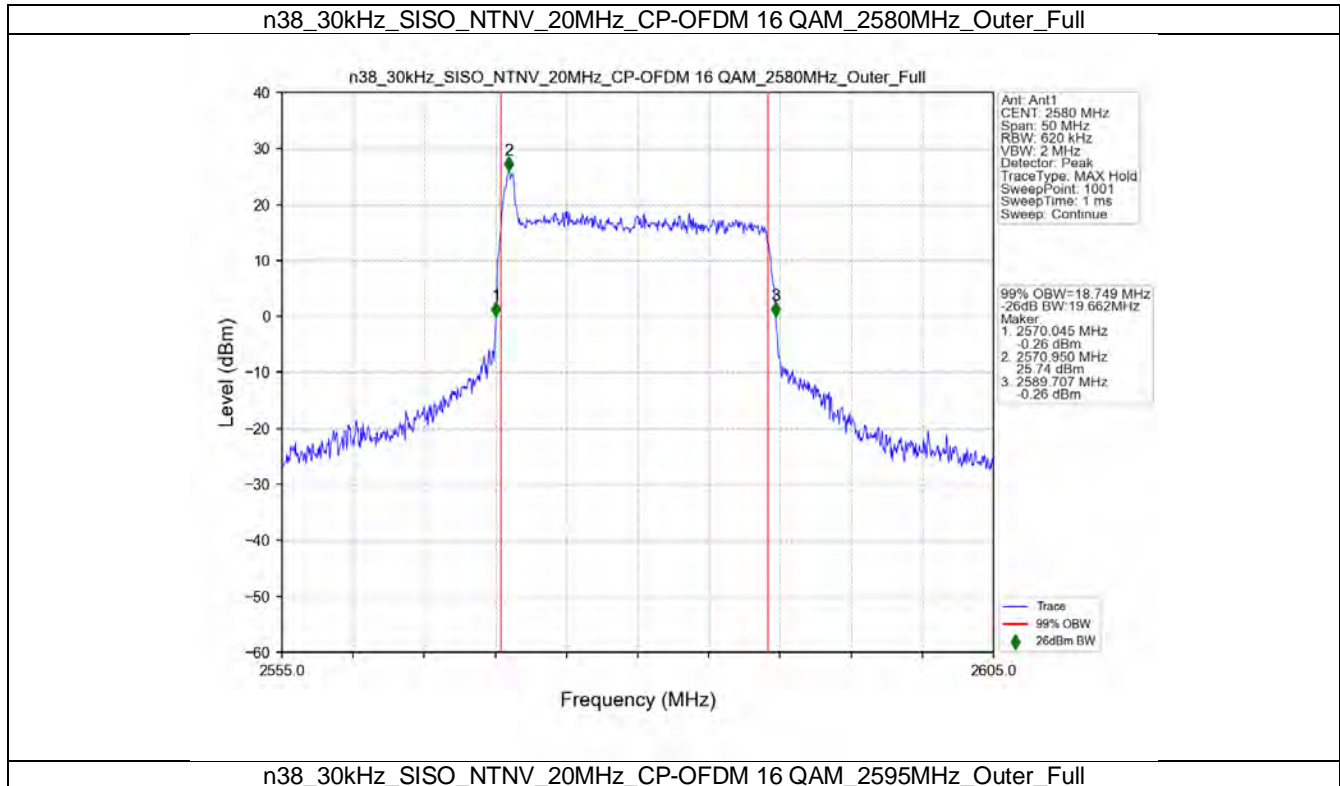


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 45 of 488



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

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

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

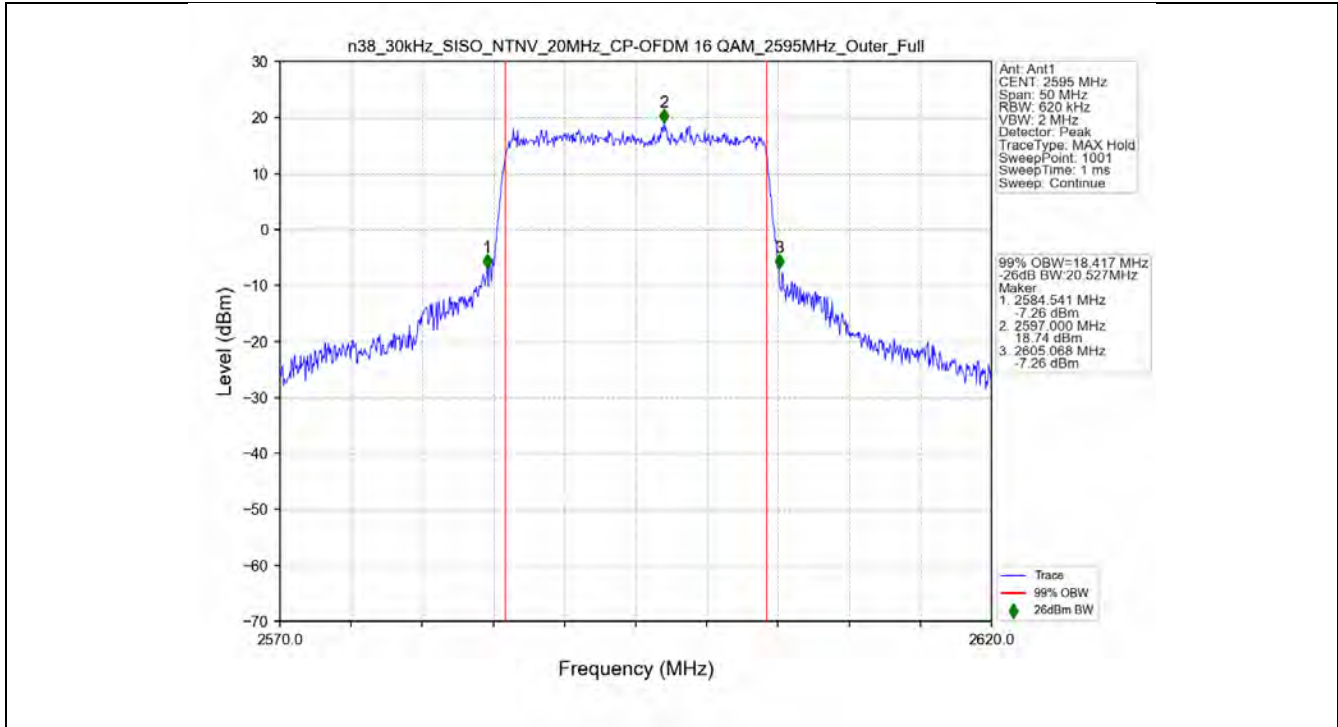


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 46 of 488



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

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

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

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

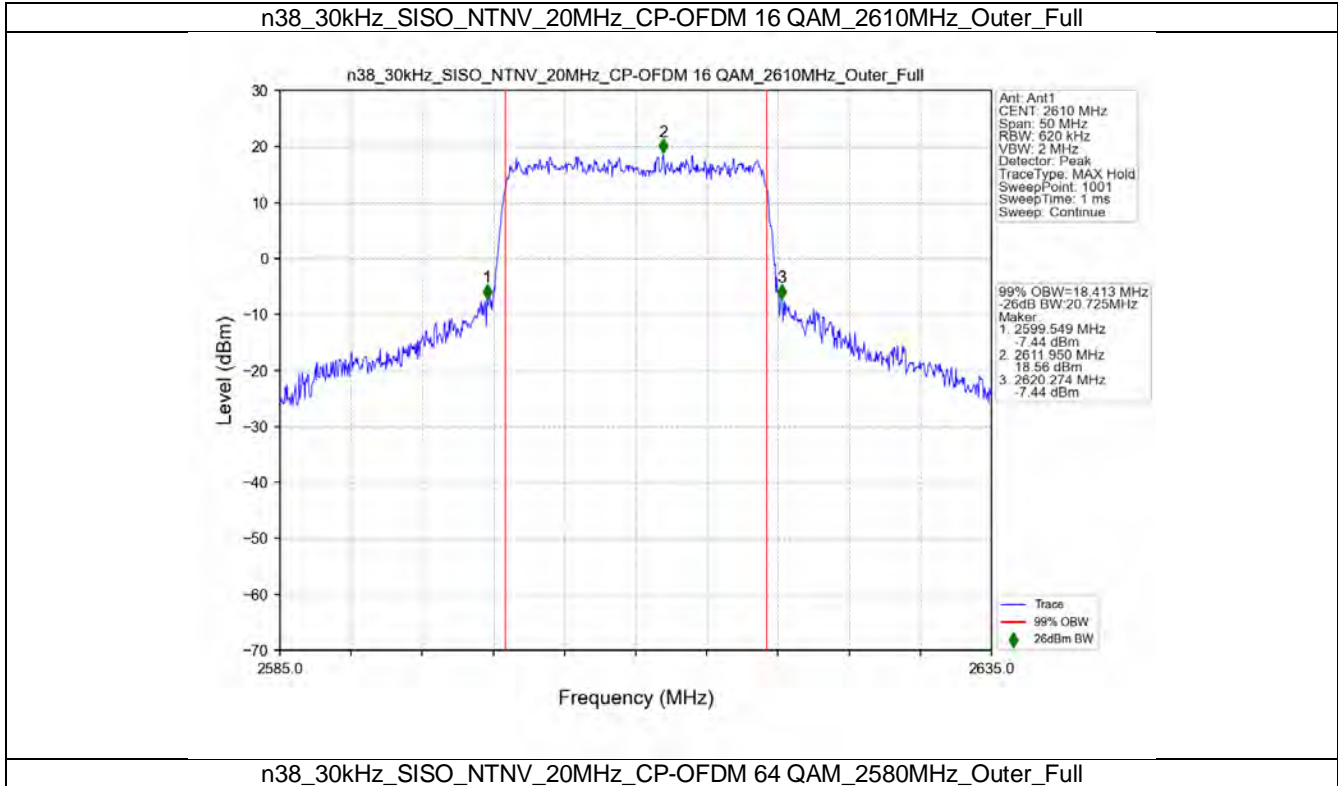


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 47 of 488



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

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

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

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

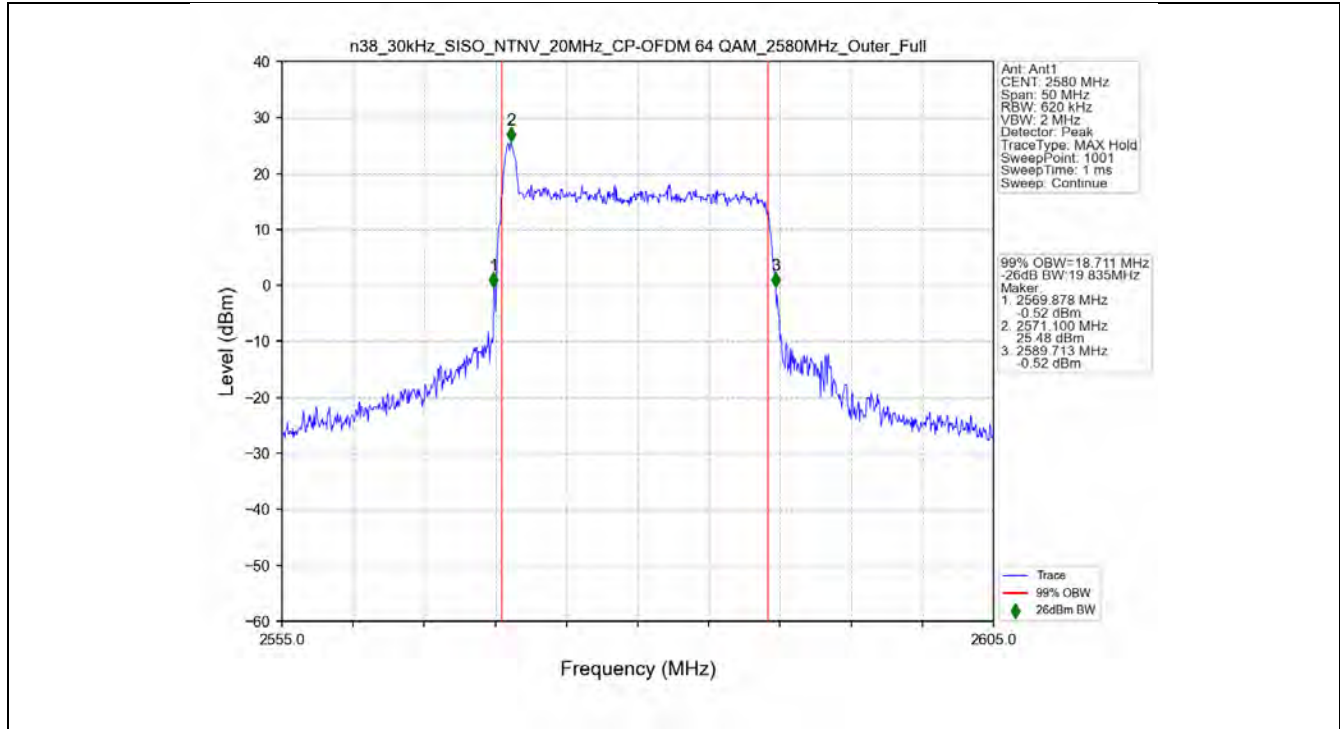


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 48 of 488



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

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

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

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



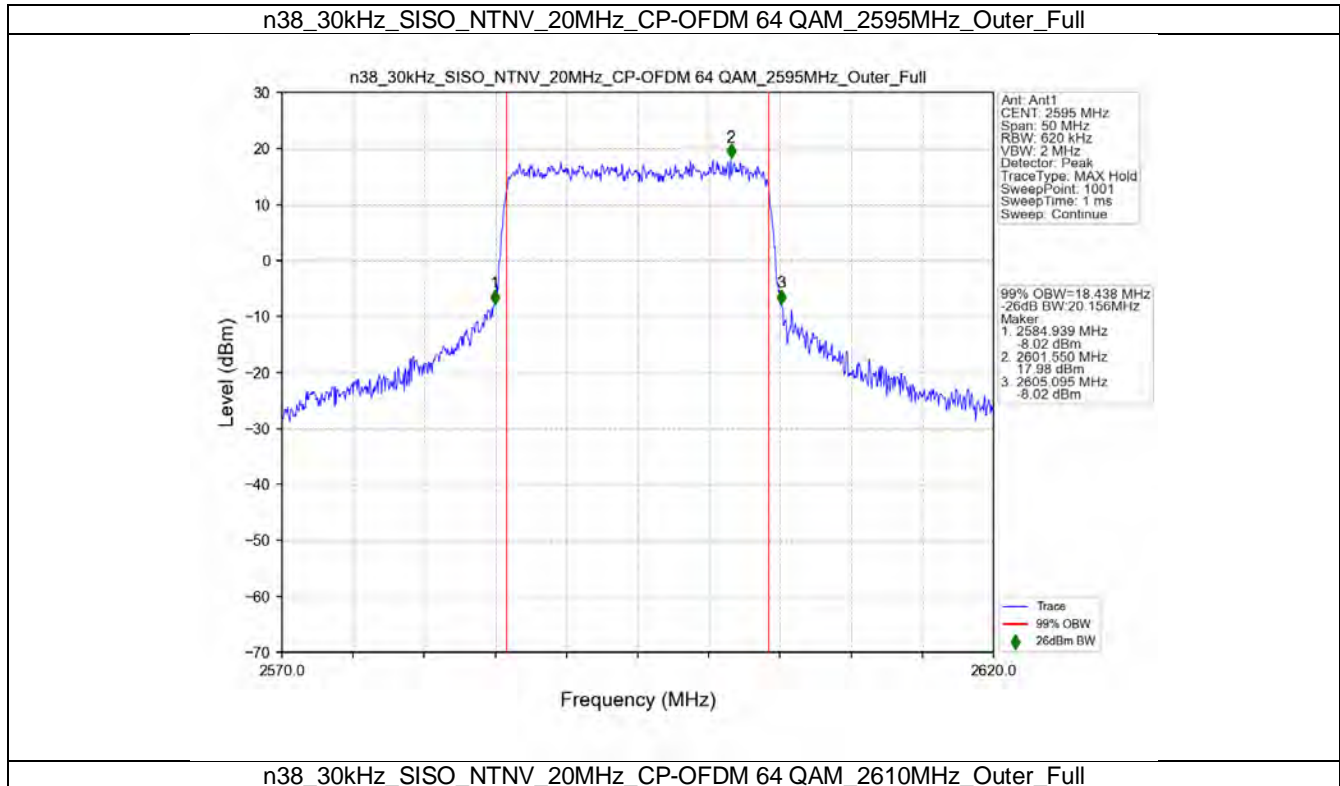


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 49 of 488



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

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

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

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

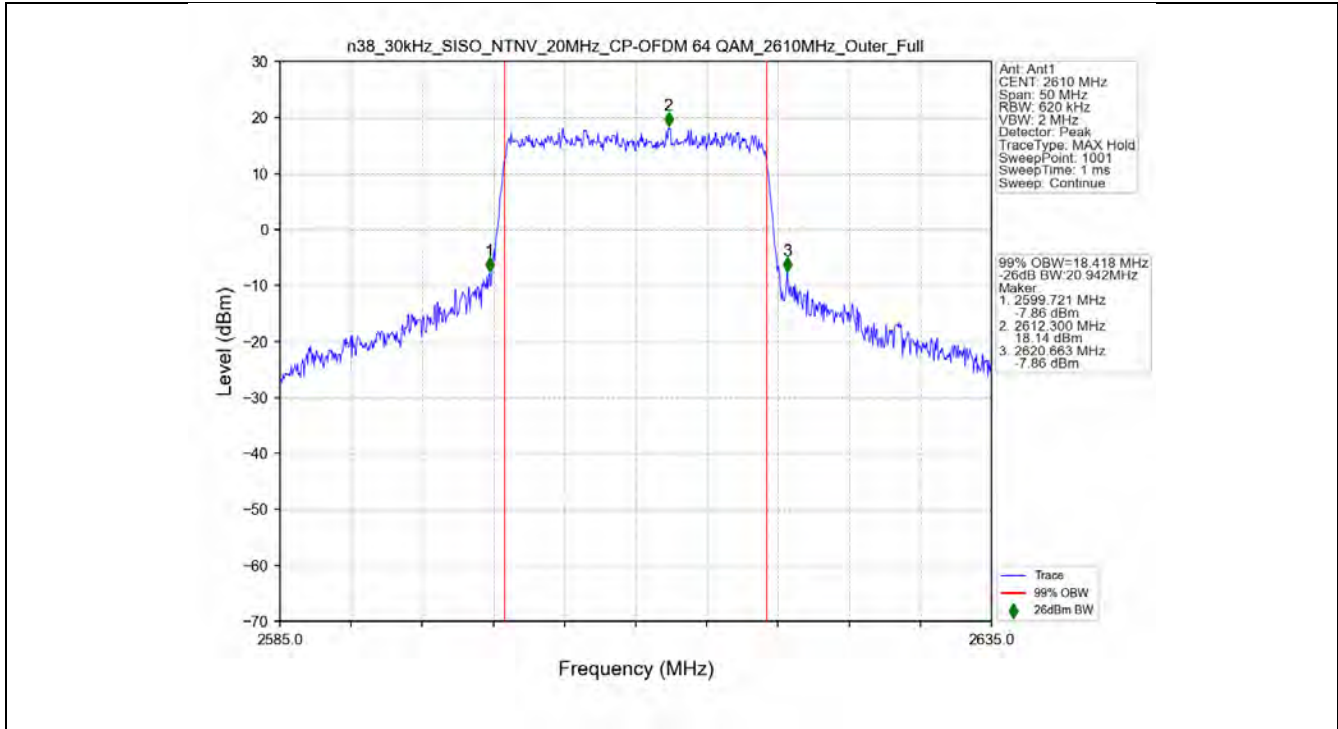


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 50 of 488



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

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

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

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

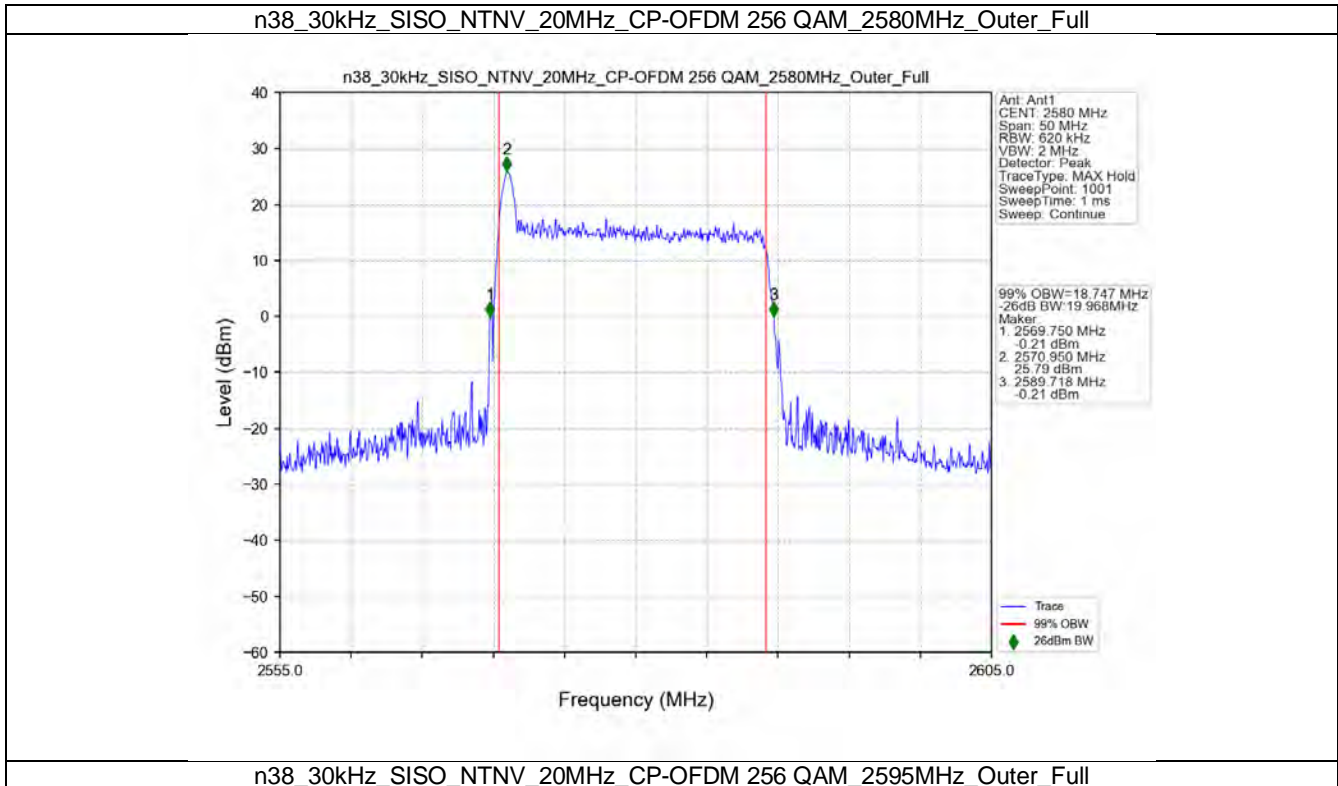


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 51 of 488



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

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

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

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

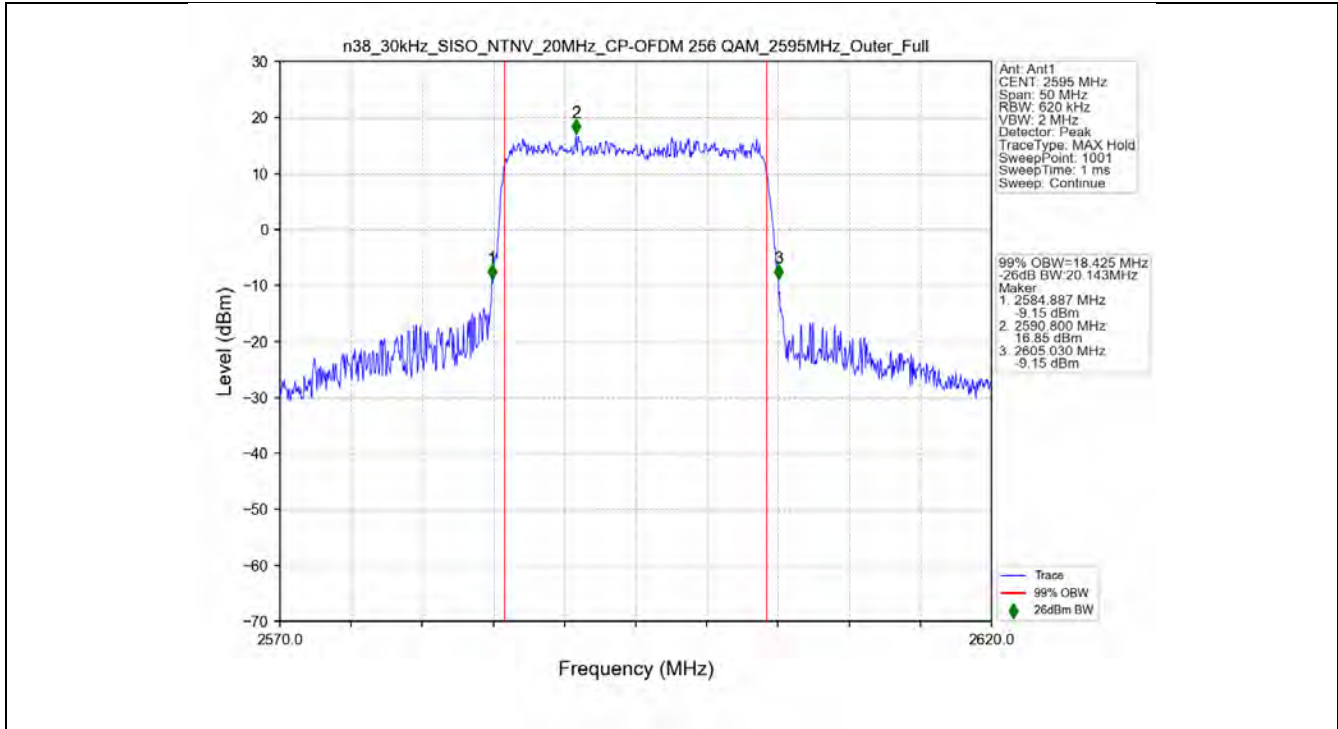


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 52 of 488



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

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

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

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



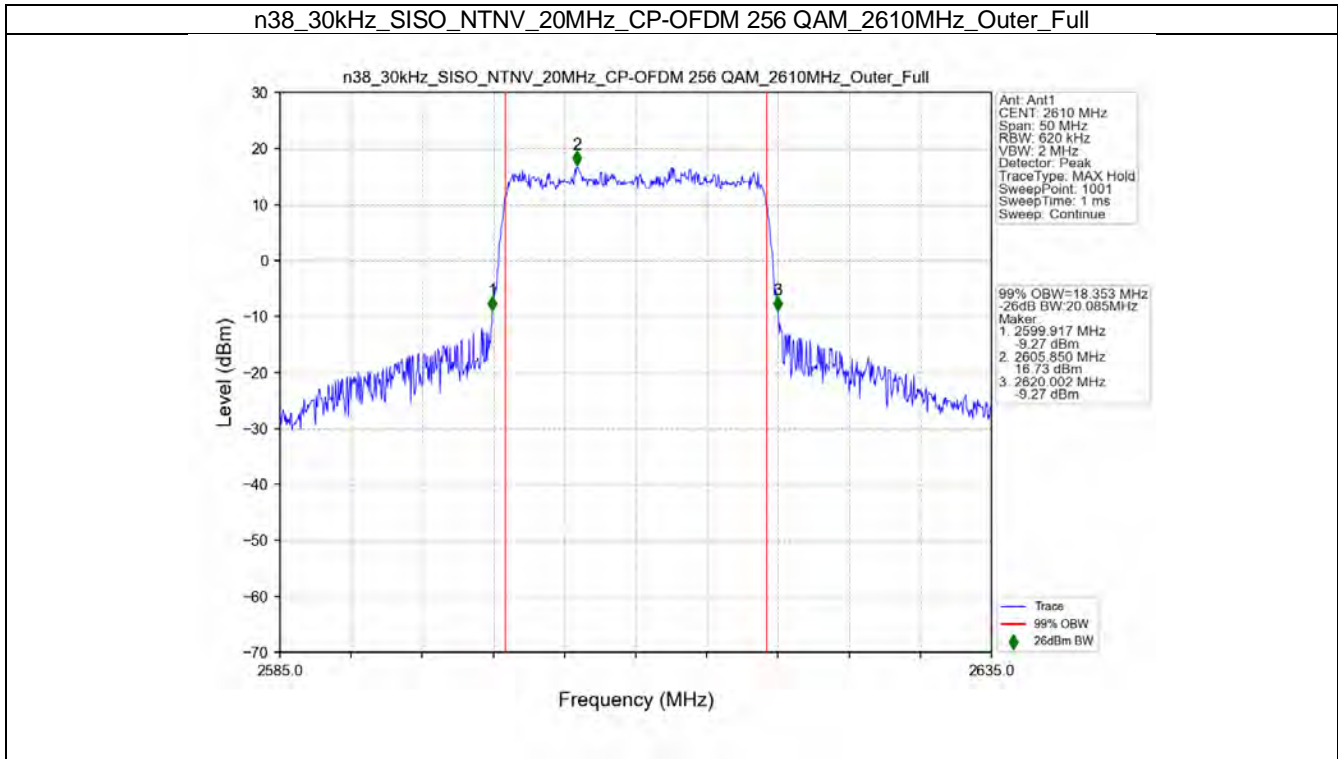


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 53 of 488



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

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

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



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

Report No.: SZCR240100038409  
Rev.: 01  
Page: 54 of 488

## 3.2 30k\_SISO\_30MHz\_NTNV

### 3.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	27.14	29.23	/	Pass
	2595	Outer_Full	27.08	29.20	/	Pass
	2605	Outer_Full	27.10	29.10	/	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	27.17	29.22	/	Pass
	2595	Outer_Full	27.19	29.08	/	Pass
	2605	Outer_Full	27.16	29.37	/	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	27.20	29.18	/	Pass
	2595	Outer_Full	27.21	29.28	/	Pass
	2605	Outer_Full	27.14	29.11	/	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	27.20	29.28	/	Pass
	2595	Outer_Full	27.13	29.09	/	Pass
	2605	Outer_Full	27.13	29.18	/	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	27.20	29.23	/	Pass
	2595	Outer_Full	27.19	29.32	/	Pass
	2605	Outer_Full	27.16	29.37	/	Pass
CP-OFDM QPSK	2585	Outer_Full	28.19	31.78	/	Pass
	2595	Outer_Full	28.14	30.89	/	Pass
	2605	Outer_Full	28.23	30.55	/	Pass
CP-OFDM 16 QAM	2585	Outer_Full	28.20	31.37	/	Pass
	2595	Outer_Full	28.17	30.25	/	Pass
	2605	Outer_Full	28.16	33.61	/	Pass
CP-OFDM 64 QAM	2585	Outer_Full	28.16	32.95	/	Pass
	2595	Outer_Full	28.11	31.14	/	Pass
	2605	Outer_Full	28.12	32.46	/	Pass
CP-OFDM 256 QAM	2585	Outer_Full	28.17	30.20	/	Pass
	2595	Outer_Full	28.11	30.21	/	Pass
	2605	Outer_Full	28.12	30.34	/	Pass



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

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

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

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



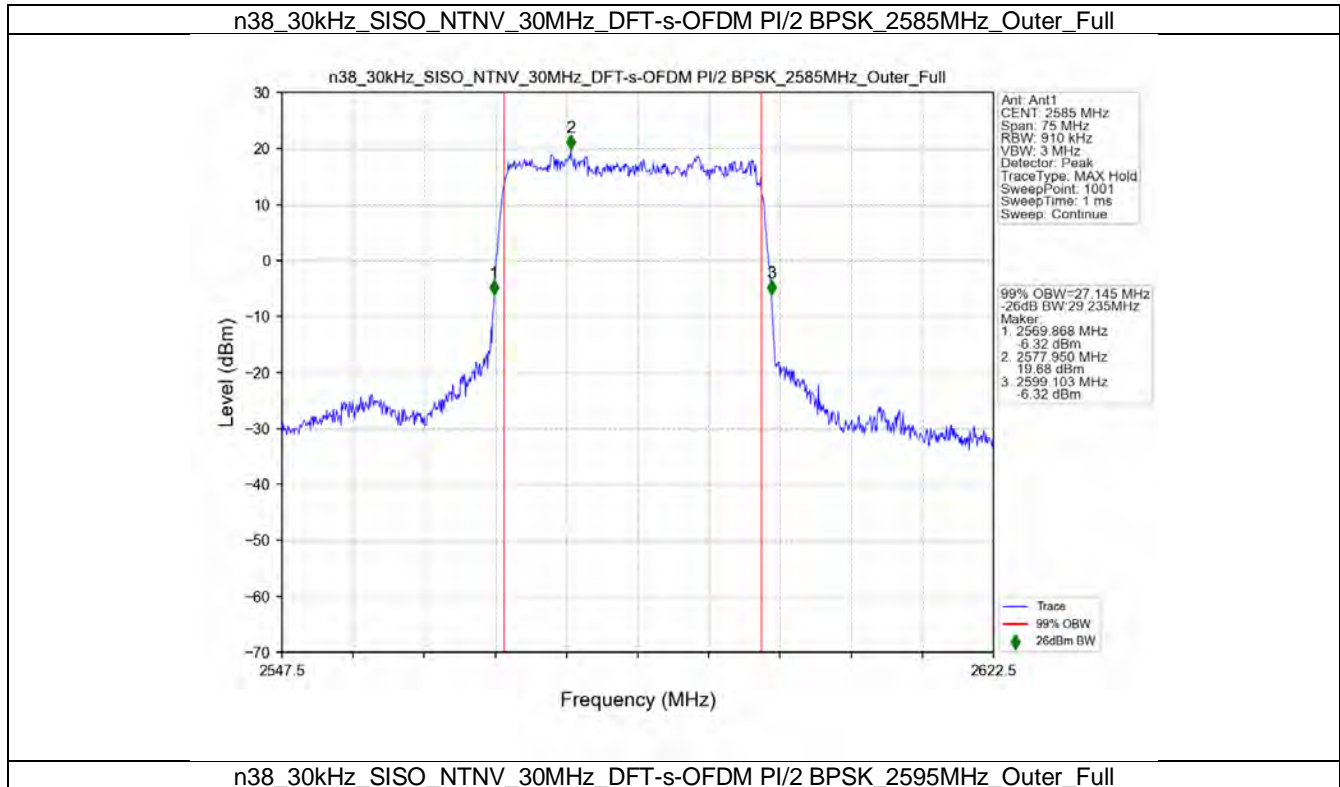
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 55 of 488

3.2.2 Test Graph



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

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

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

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

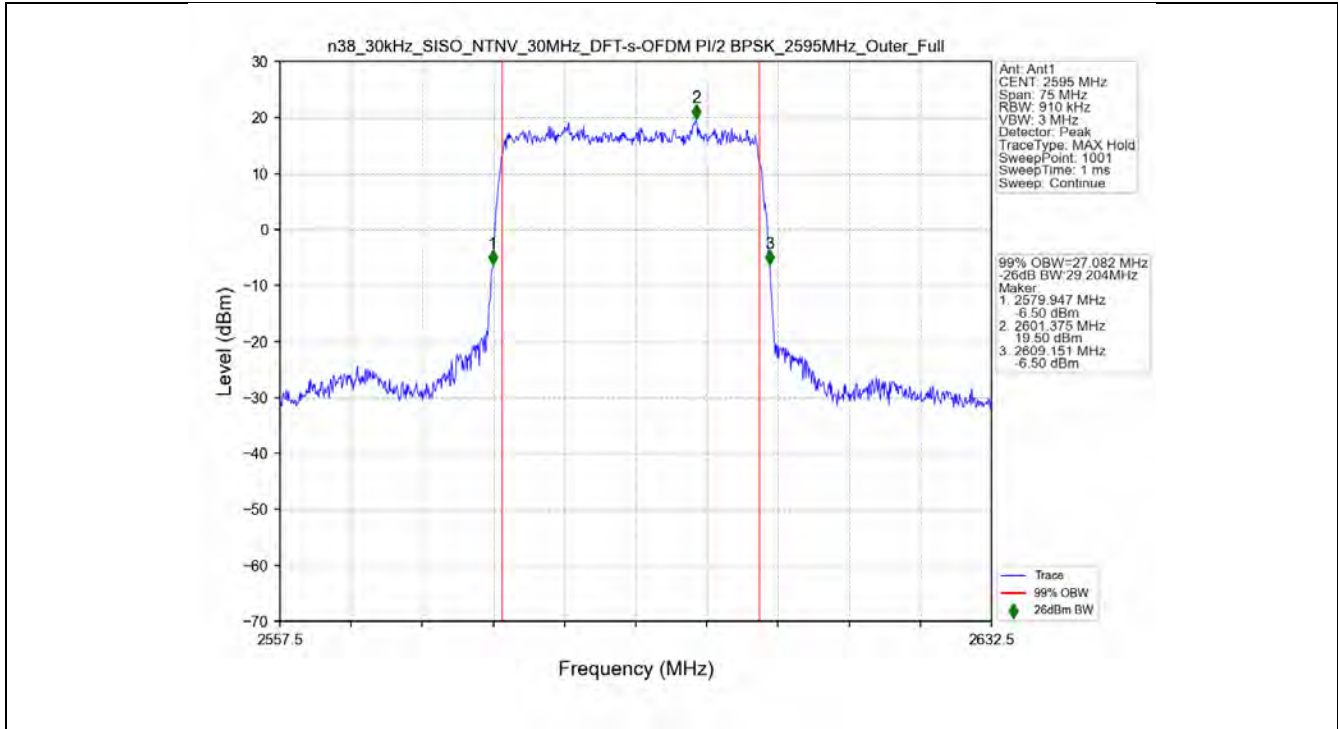


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 56 of 488



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

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

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

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



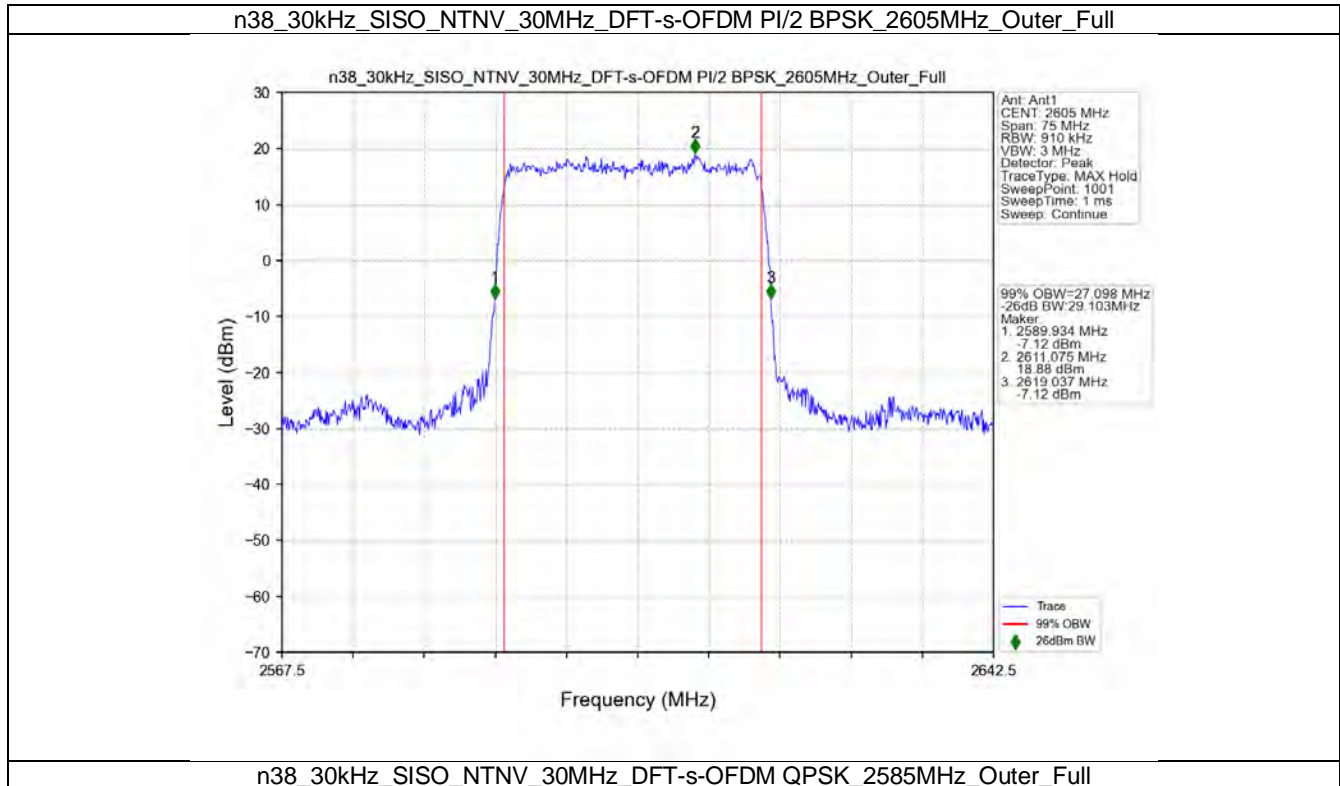


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 57 of 488



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

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

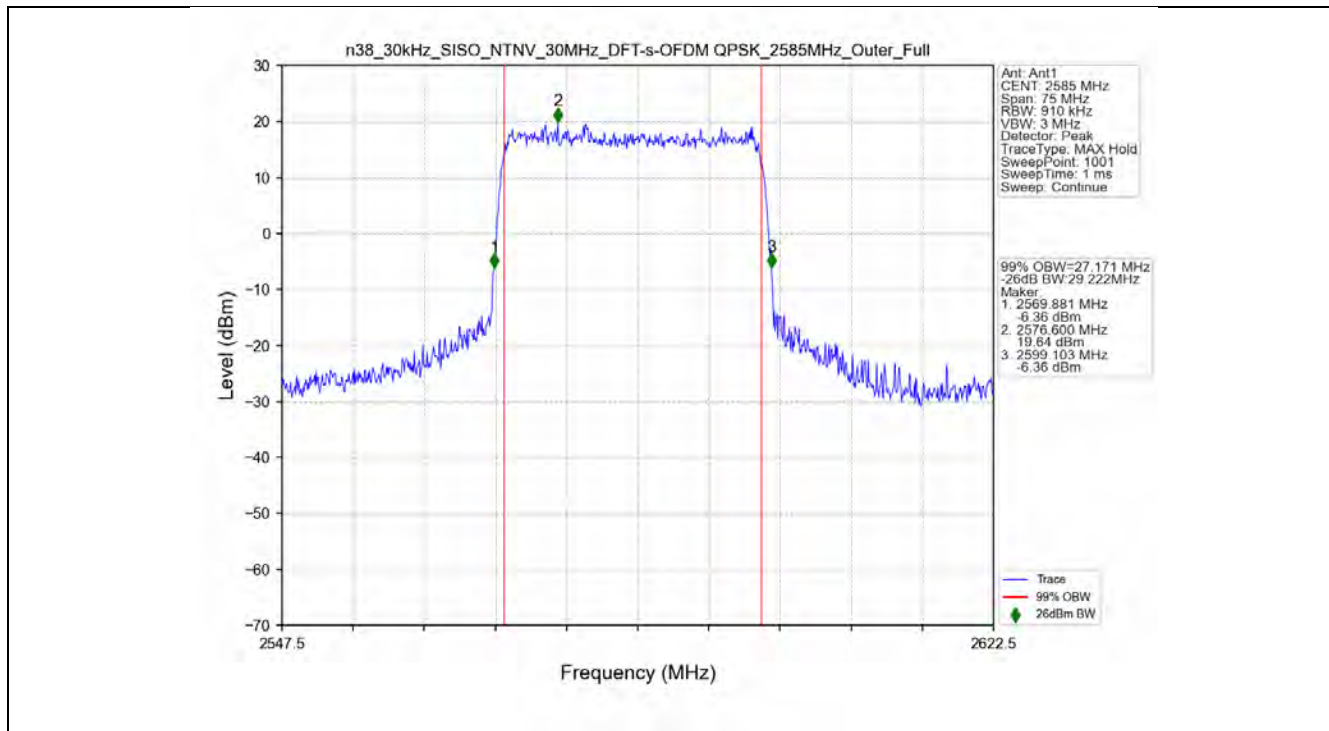
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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



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

Report No.: SZCR240100038409  
 Rev.: 01  
 Page: 58 of 488



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

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

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

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

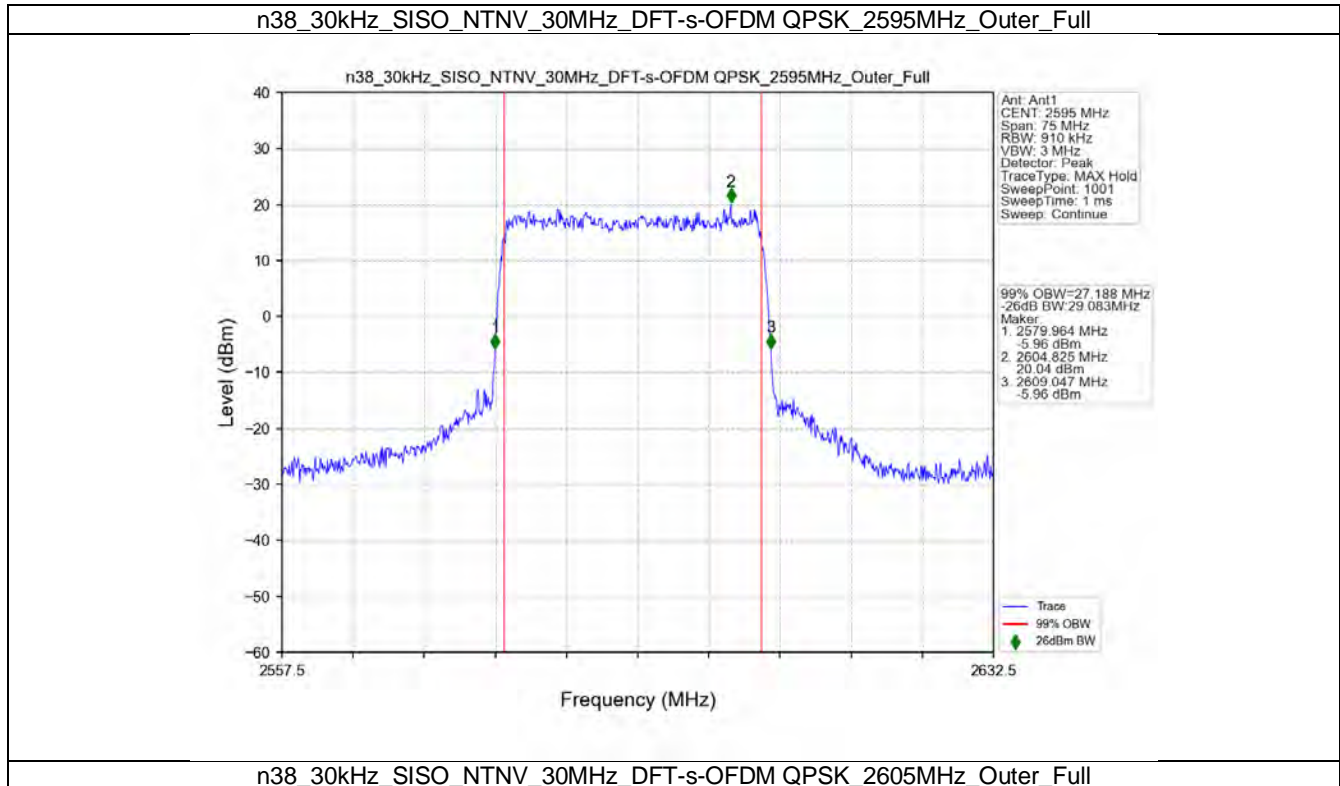


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 59 of 488



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

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

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

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

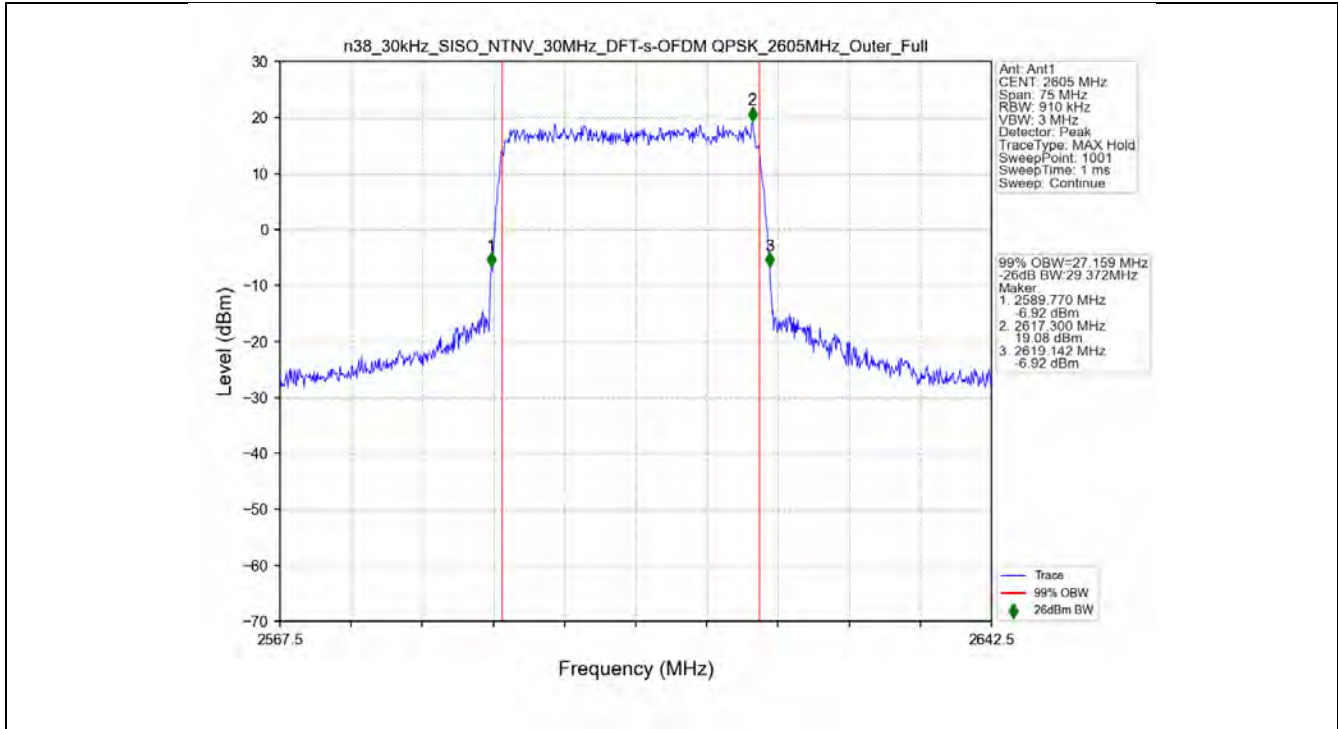


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 60 of 488



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

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

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

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



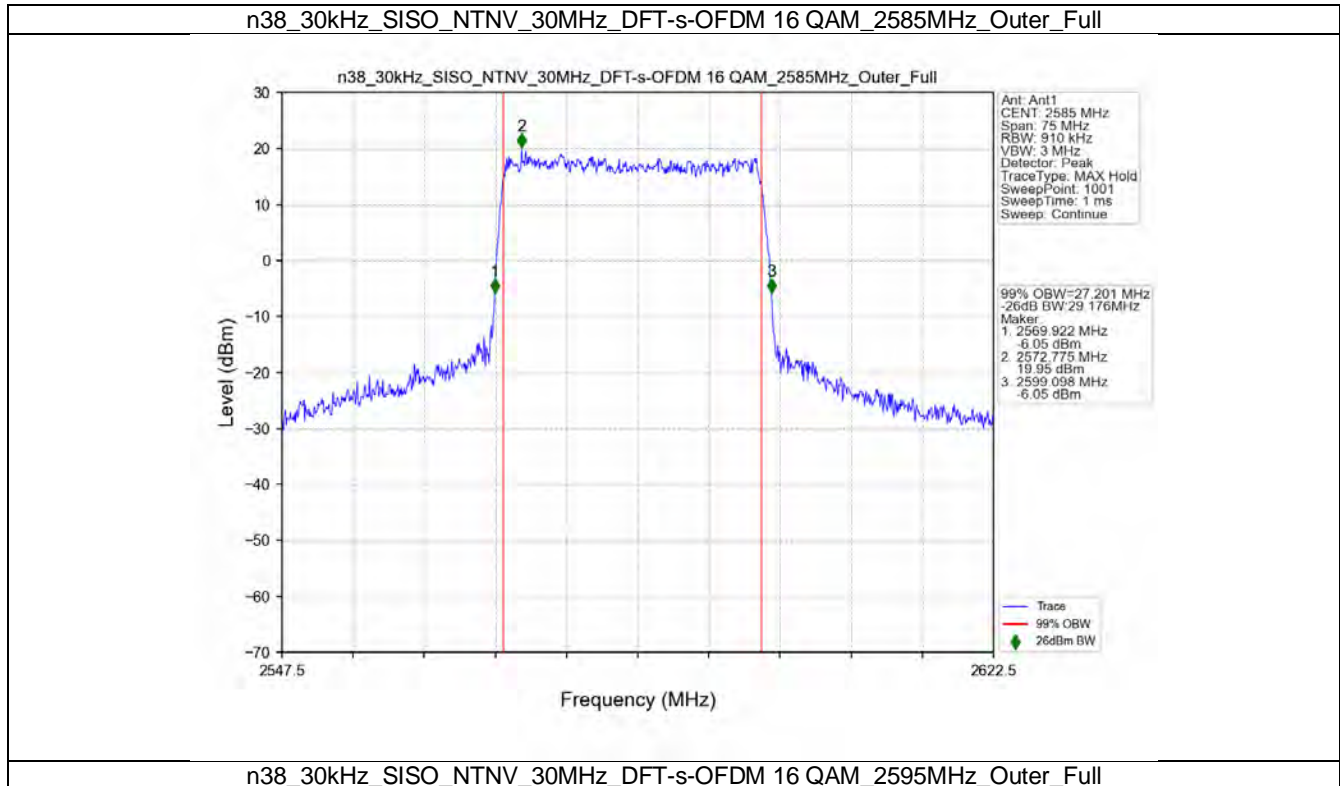


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 61 of 488



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

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

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

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

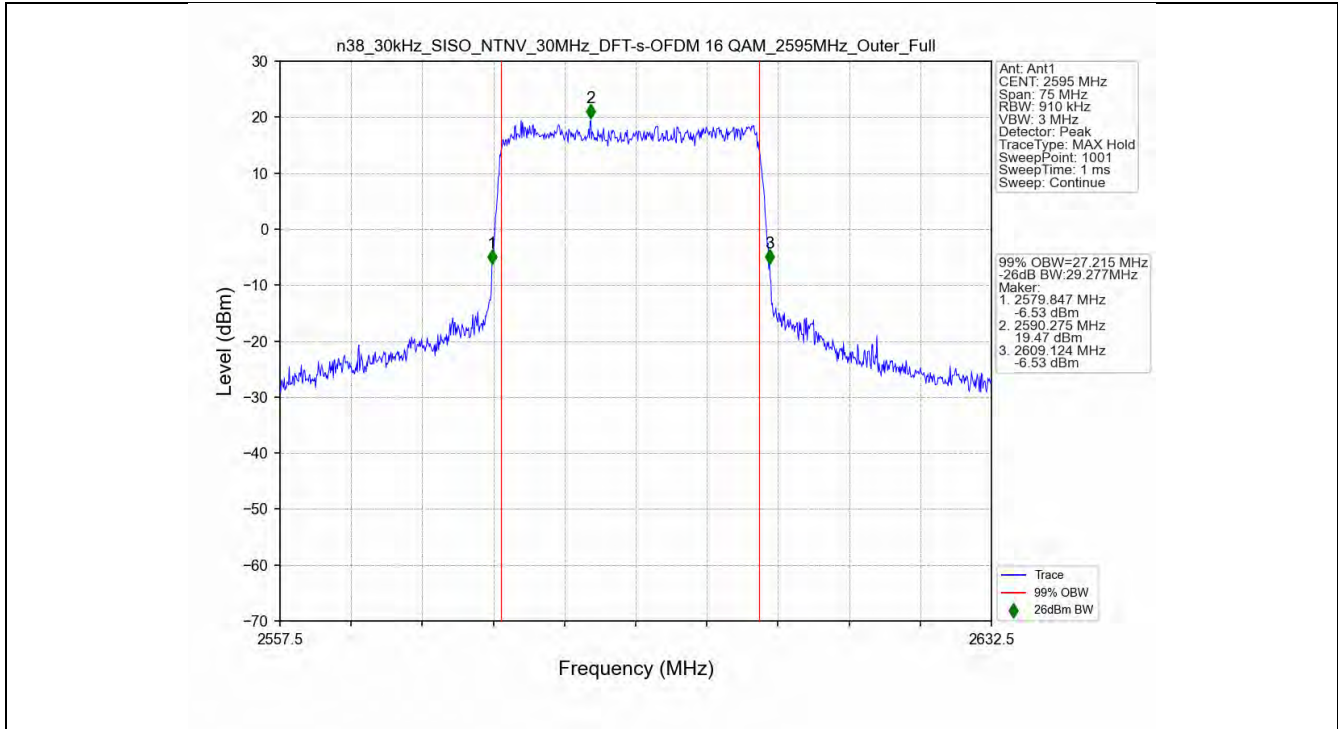


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 62 of 488



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

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

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

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

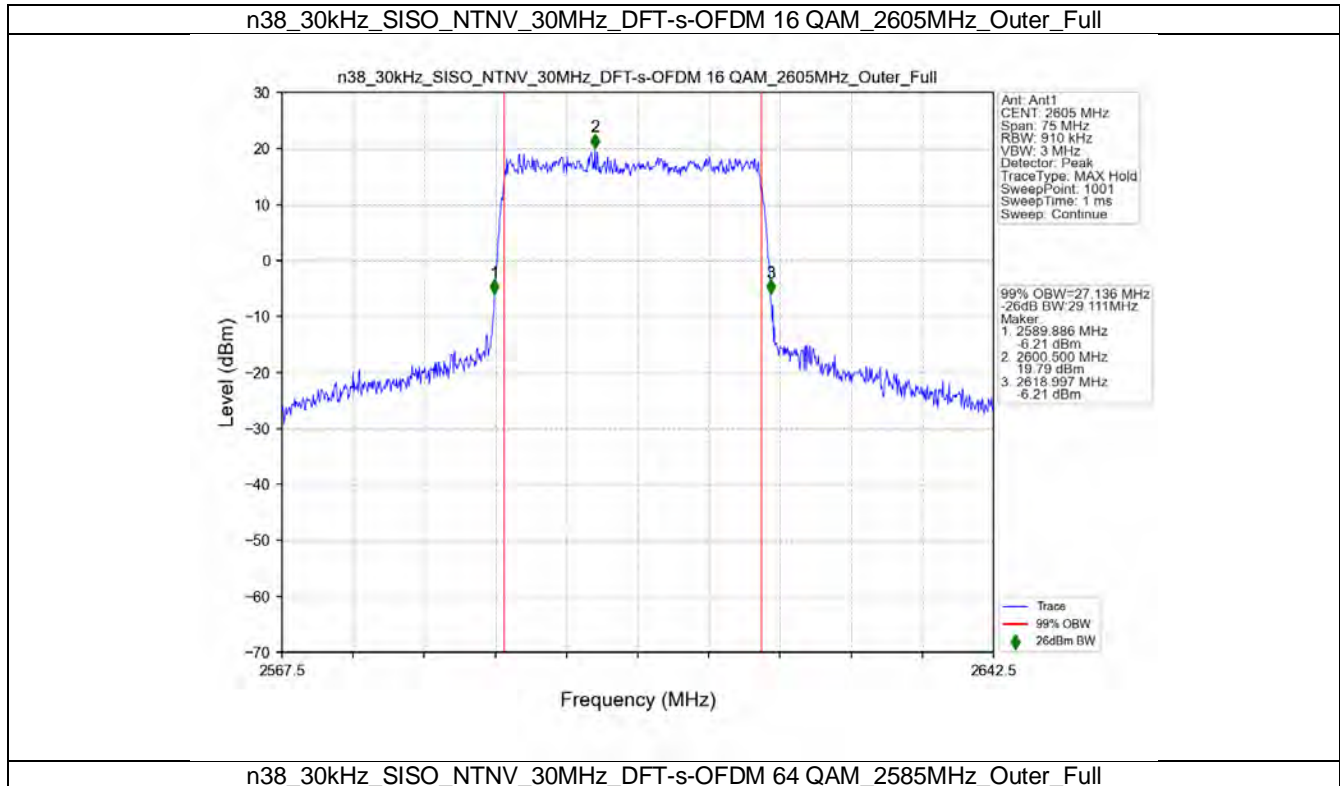


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 63 of 488



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

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

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

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

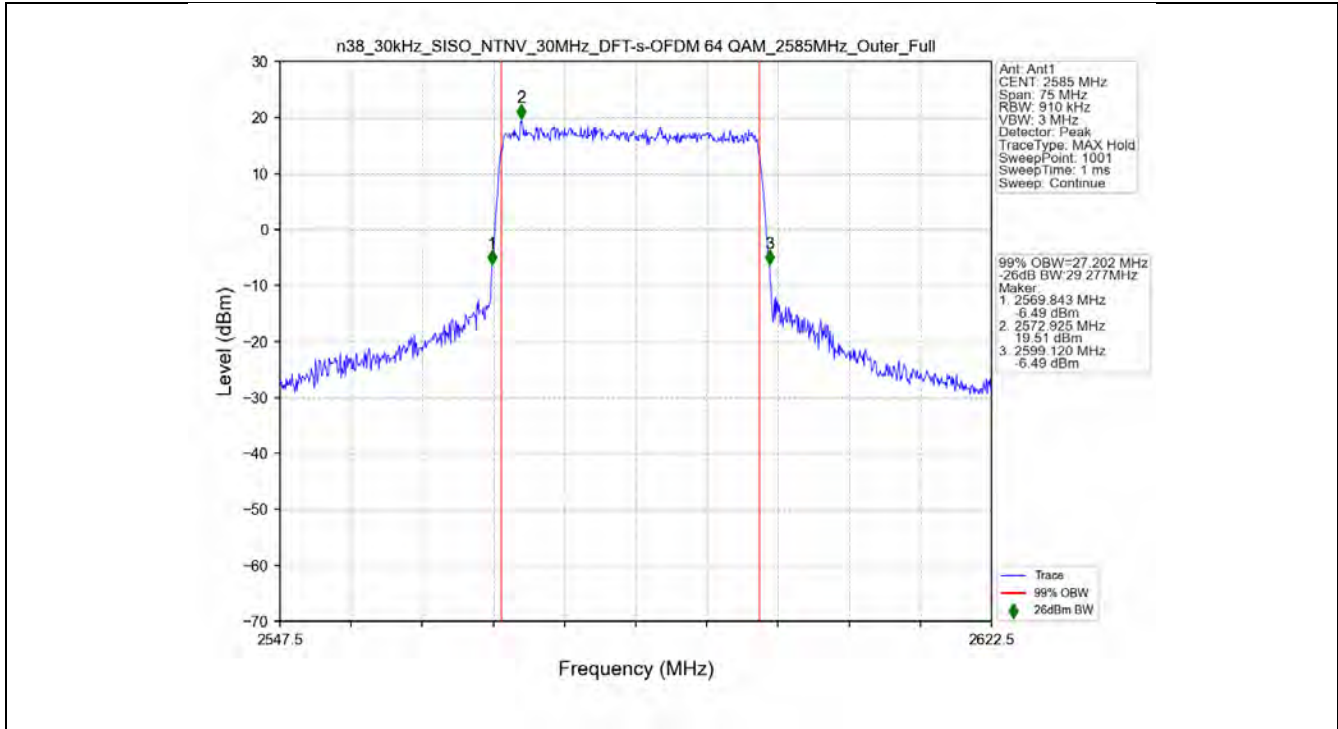


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 64 of 488



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

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

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

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



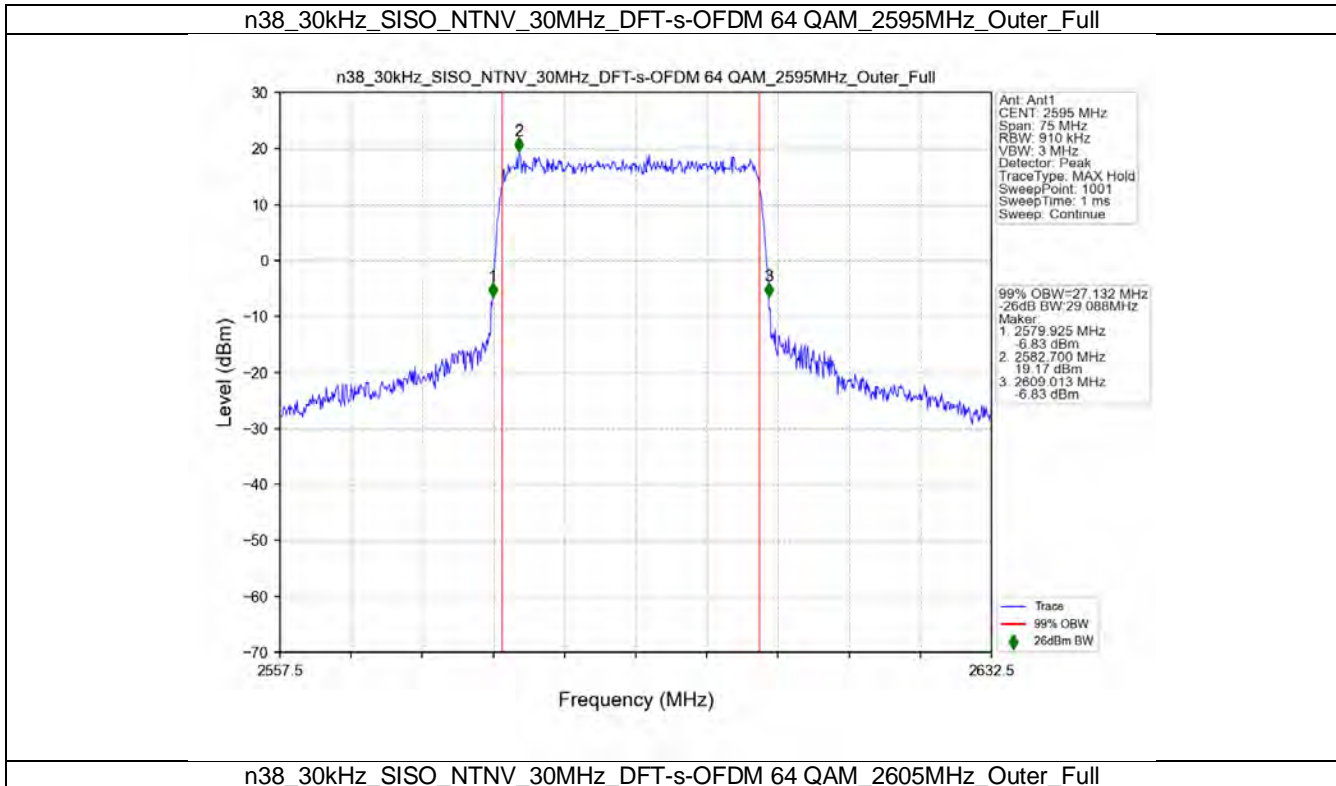


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 65 of 488



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

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

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

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

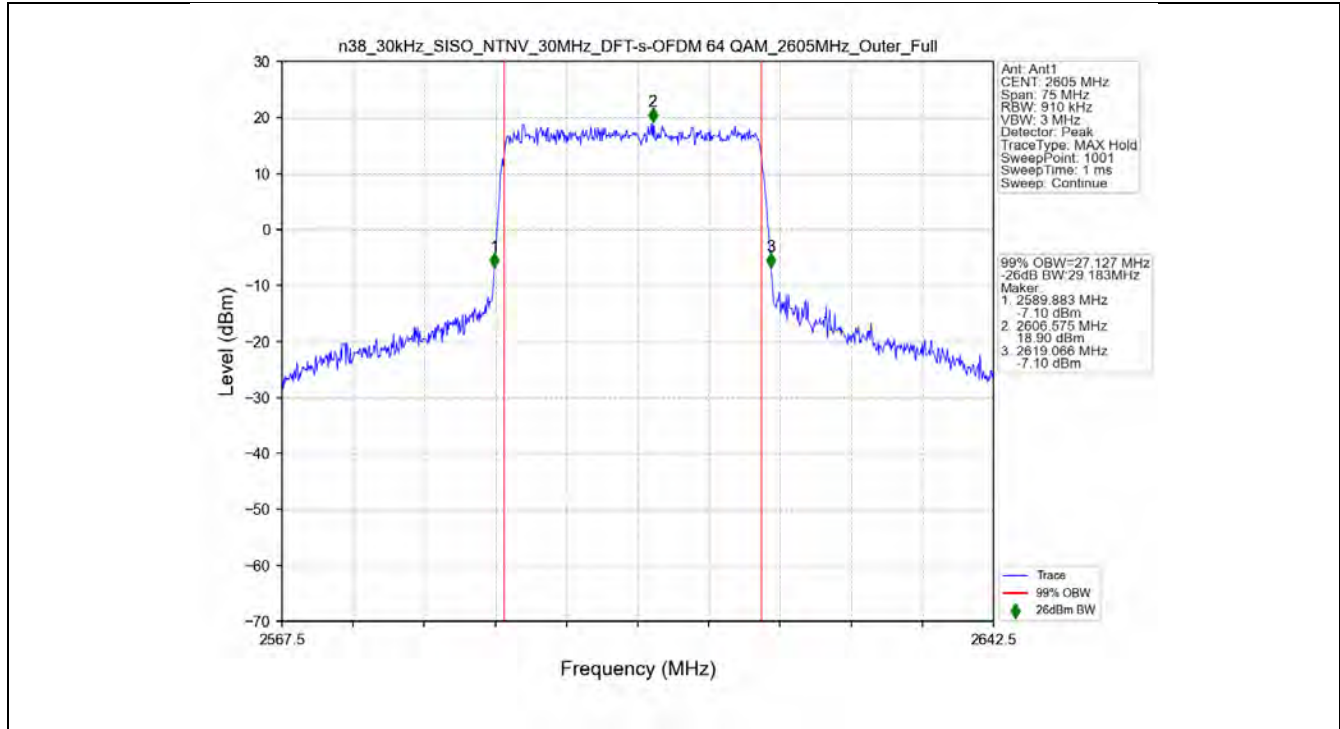


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 66 of 488



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

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

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

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



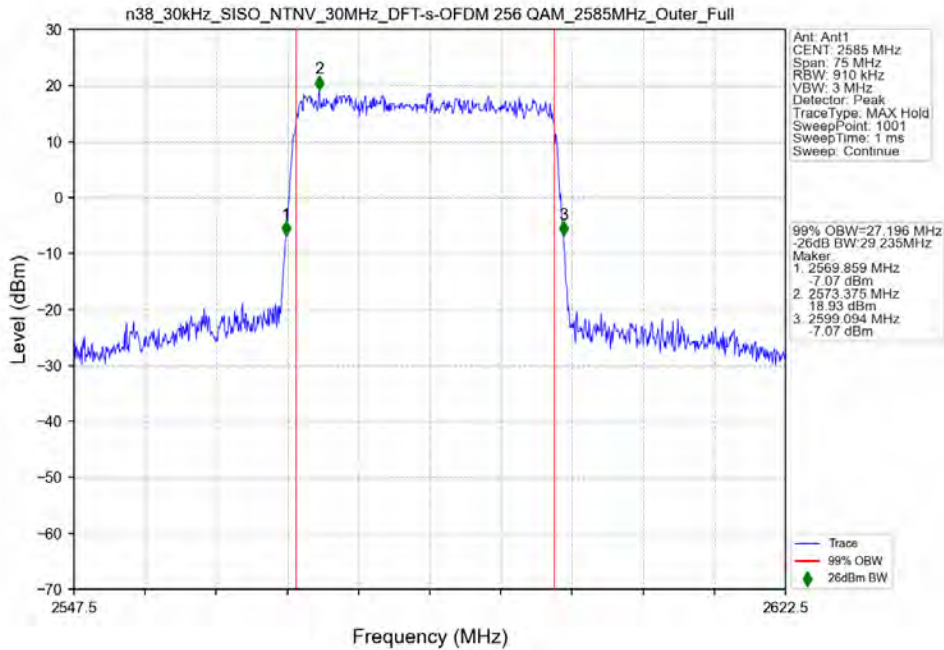
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 67 of 488

n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_2585MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_2595MHz\_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

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

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

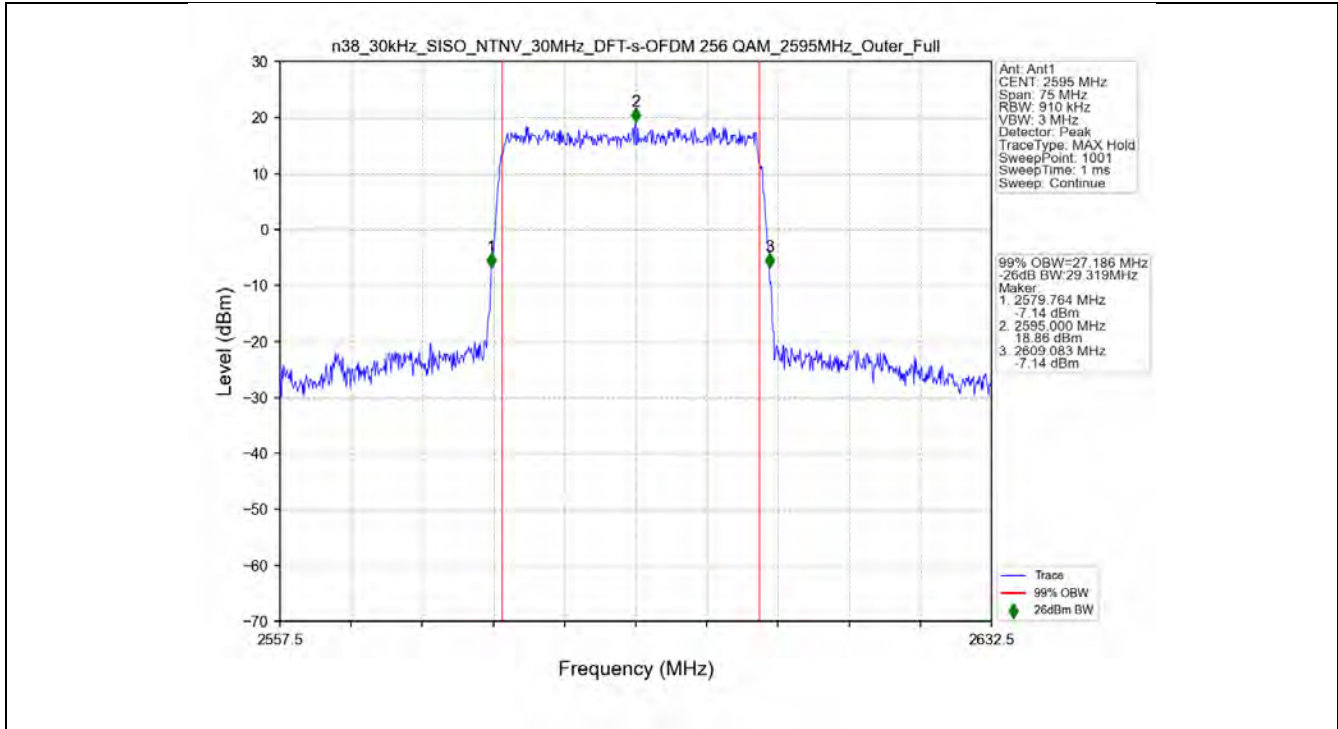


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 68 of 488



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

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

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

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





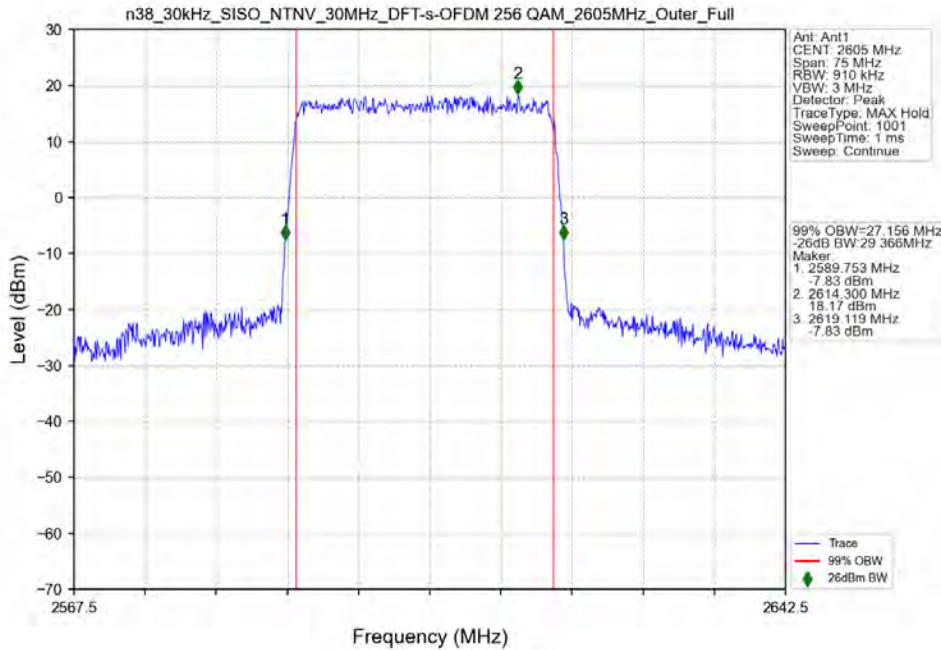
**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 69 of 488

n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_2605MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_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

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

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

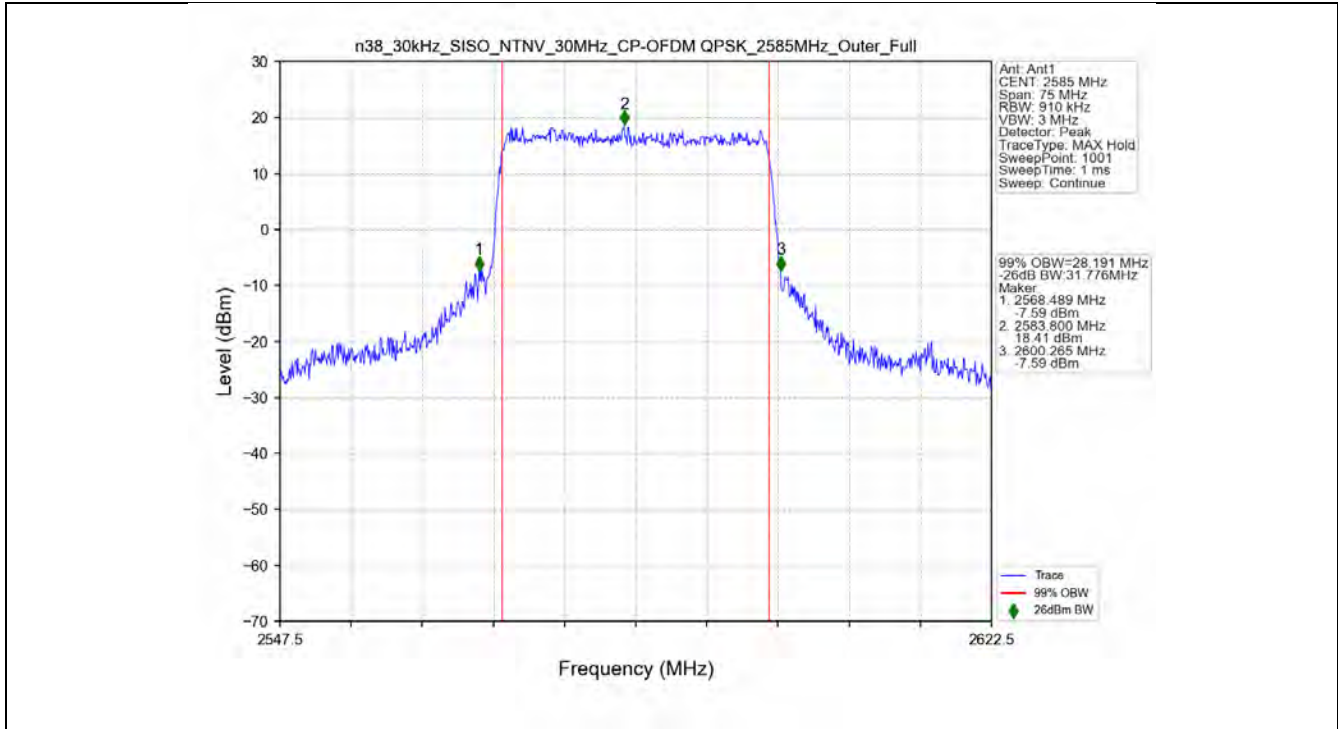


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 70 of 488



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

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

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

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

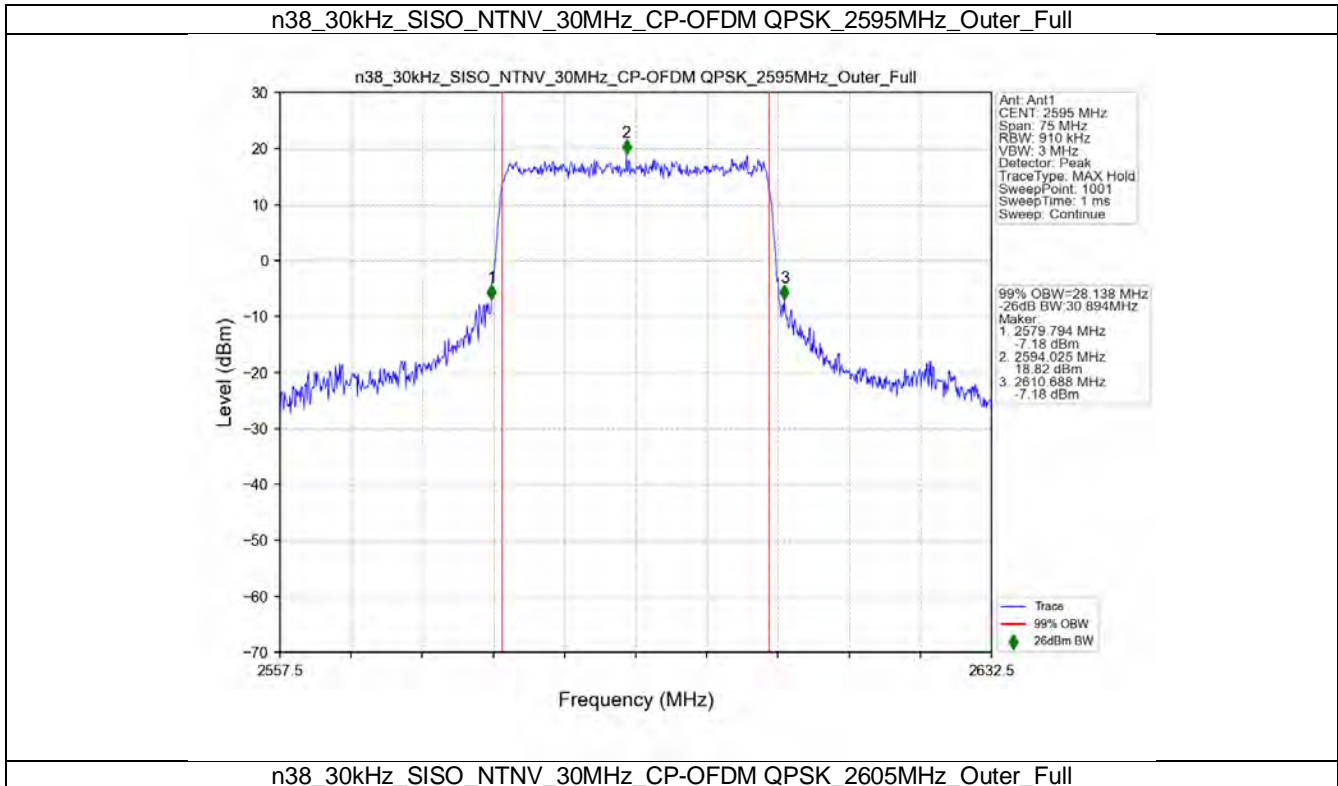


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 71 of 488



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

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

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

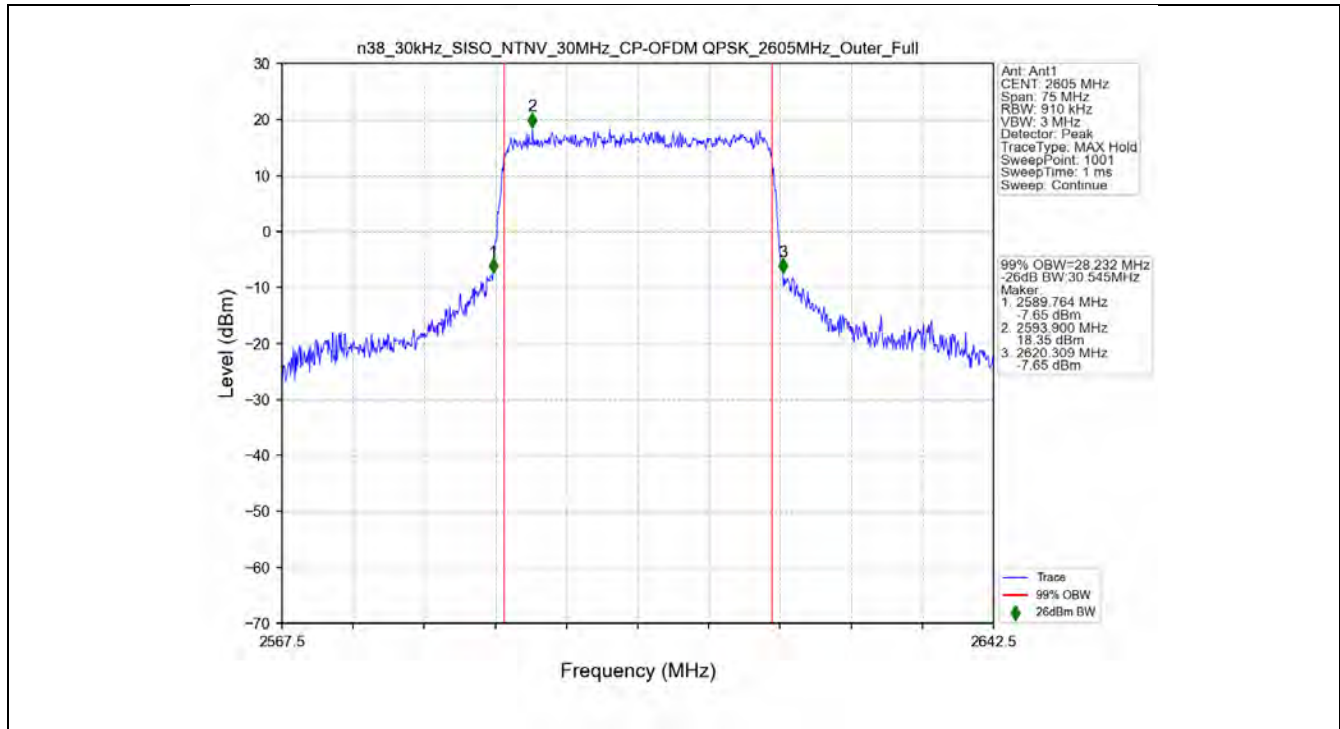


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 72 of 488



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

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

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

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



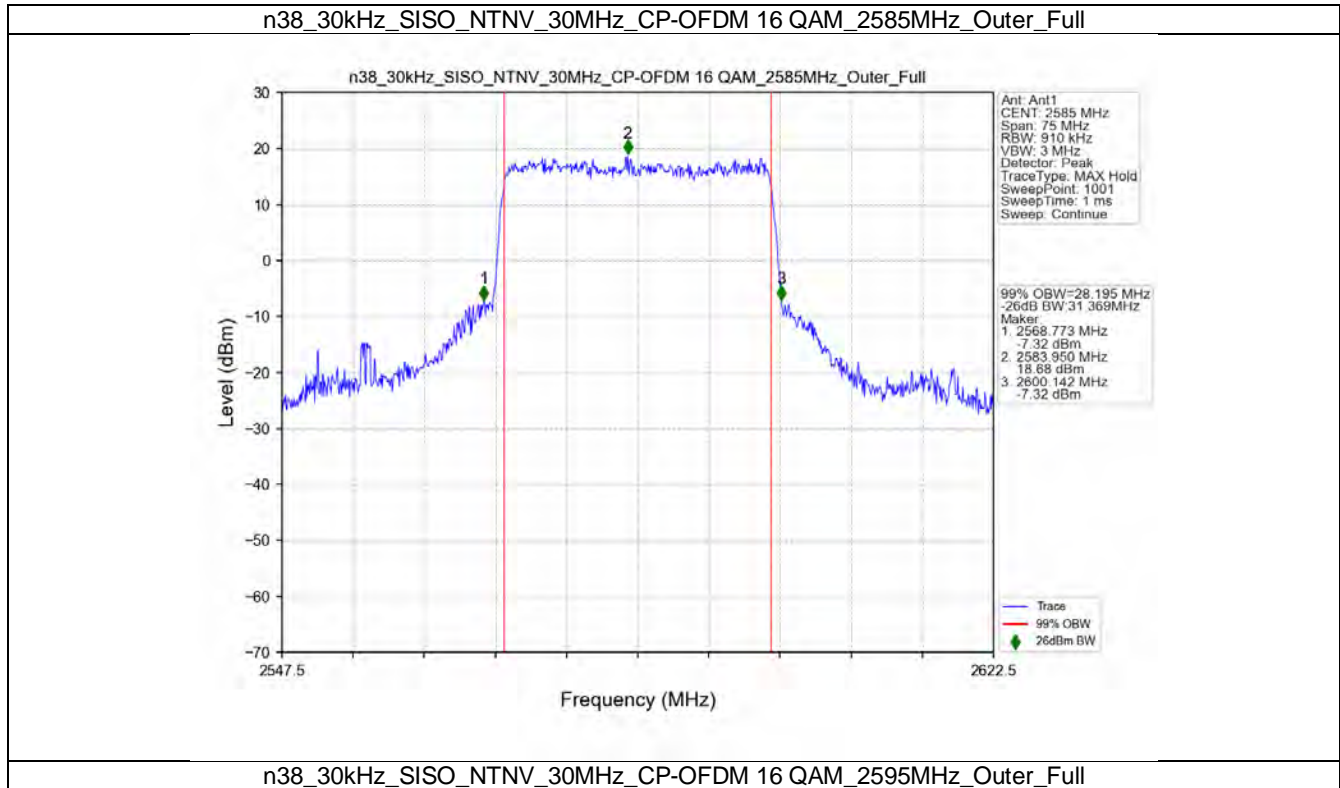


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 73 of 488



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

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

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

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

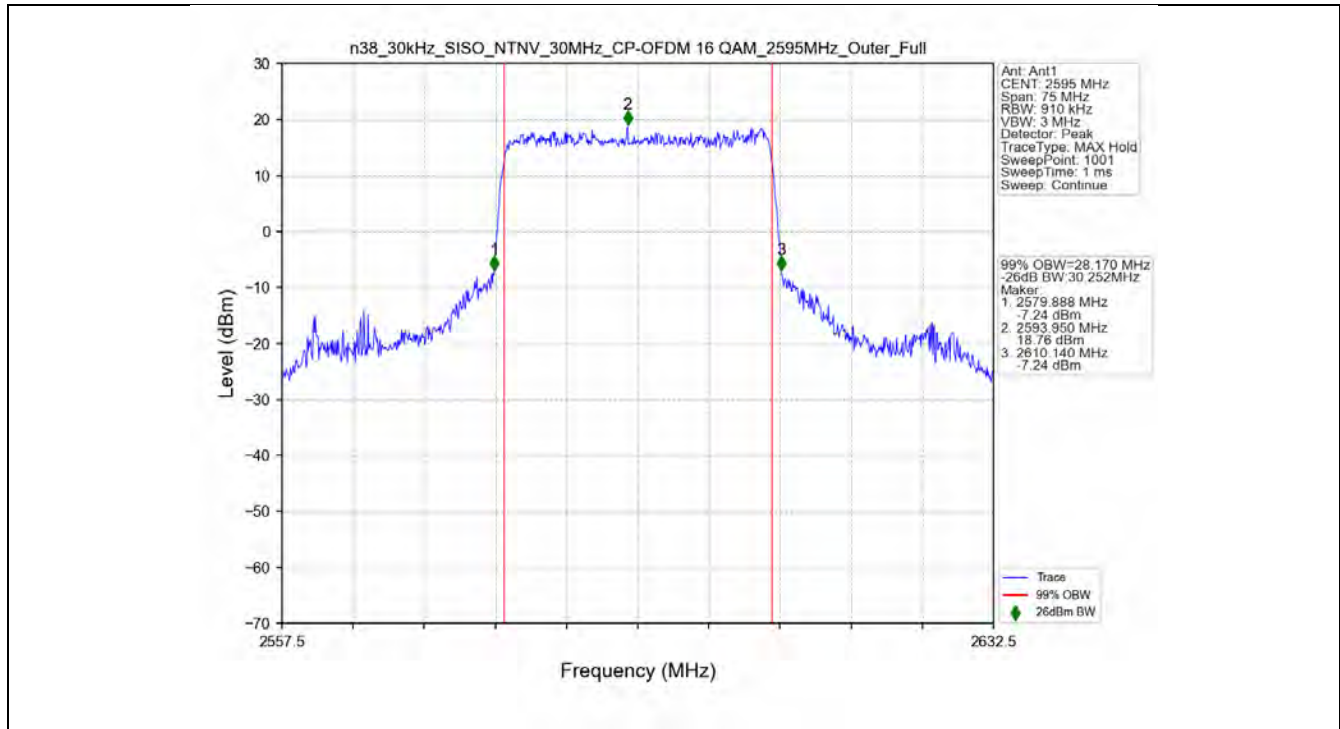


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 74 of 488



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

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

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

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

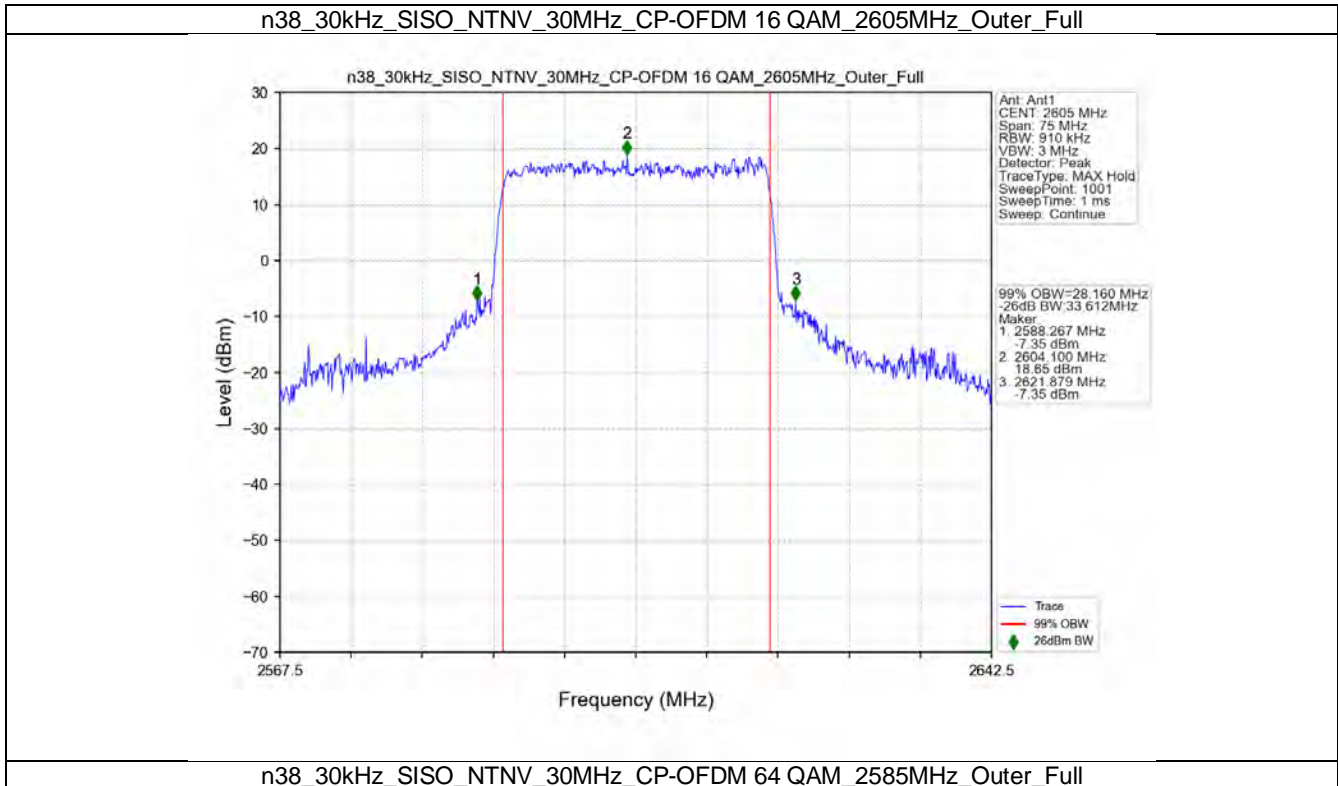


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 75 of 488



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

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

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

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

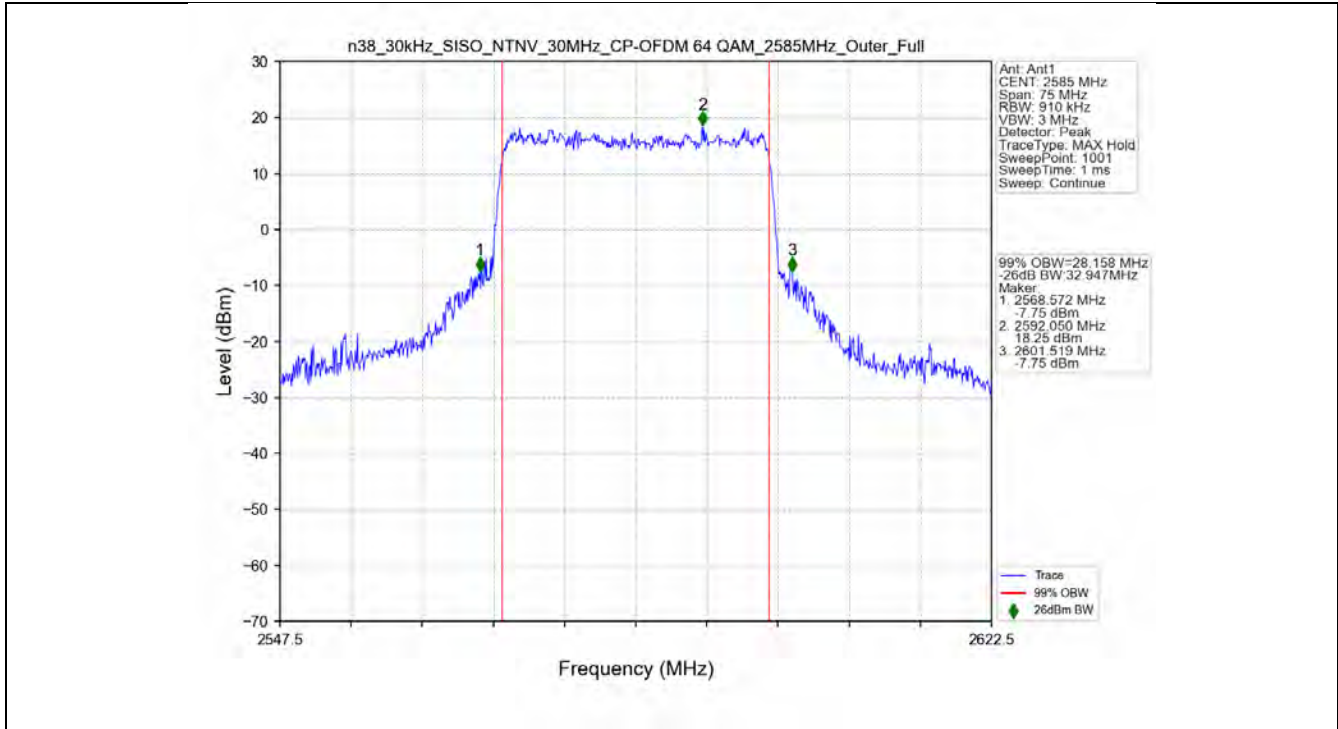


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 76 of 488



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

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

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

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



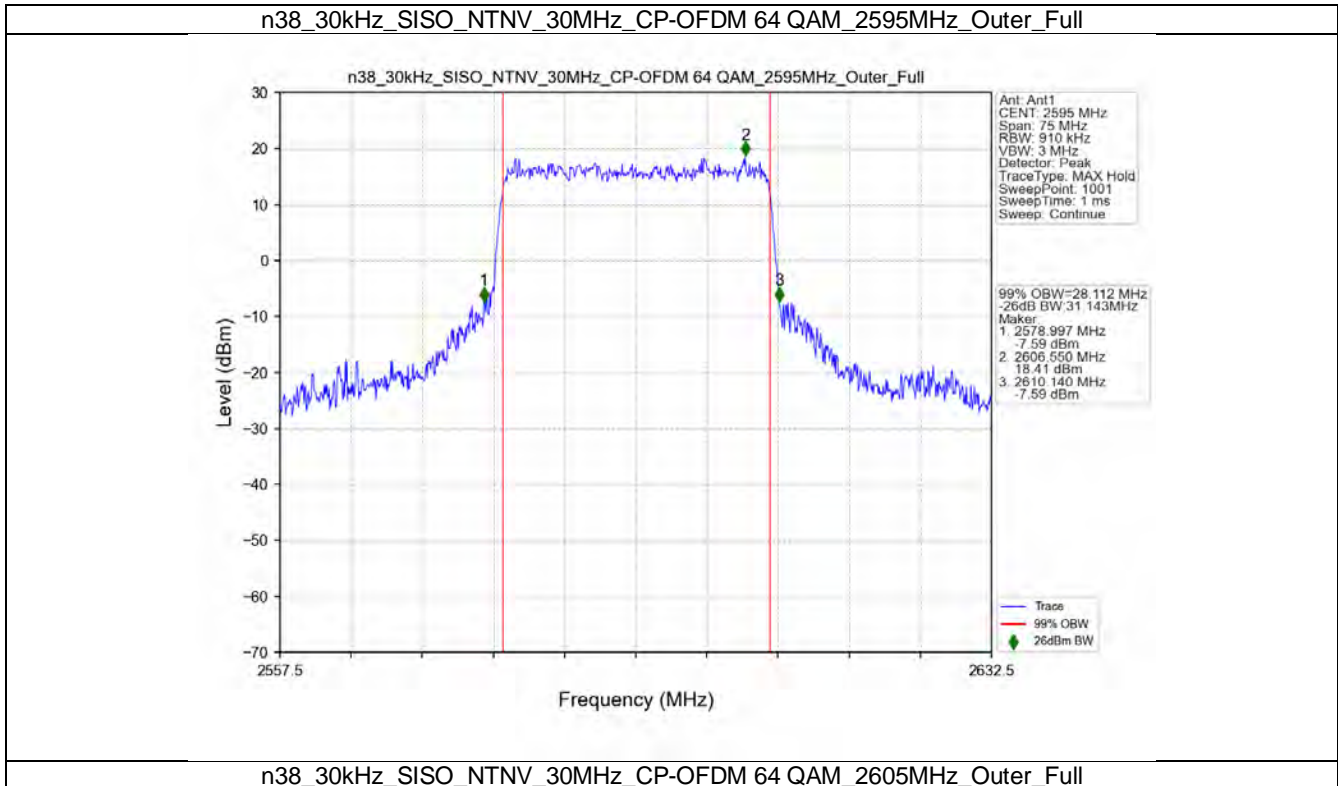


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 77 of 488



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

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

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

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

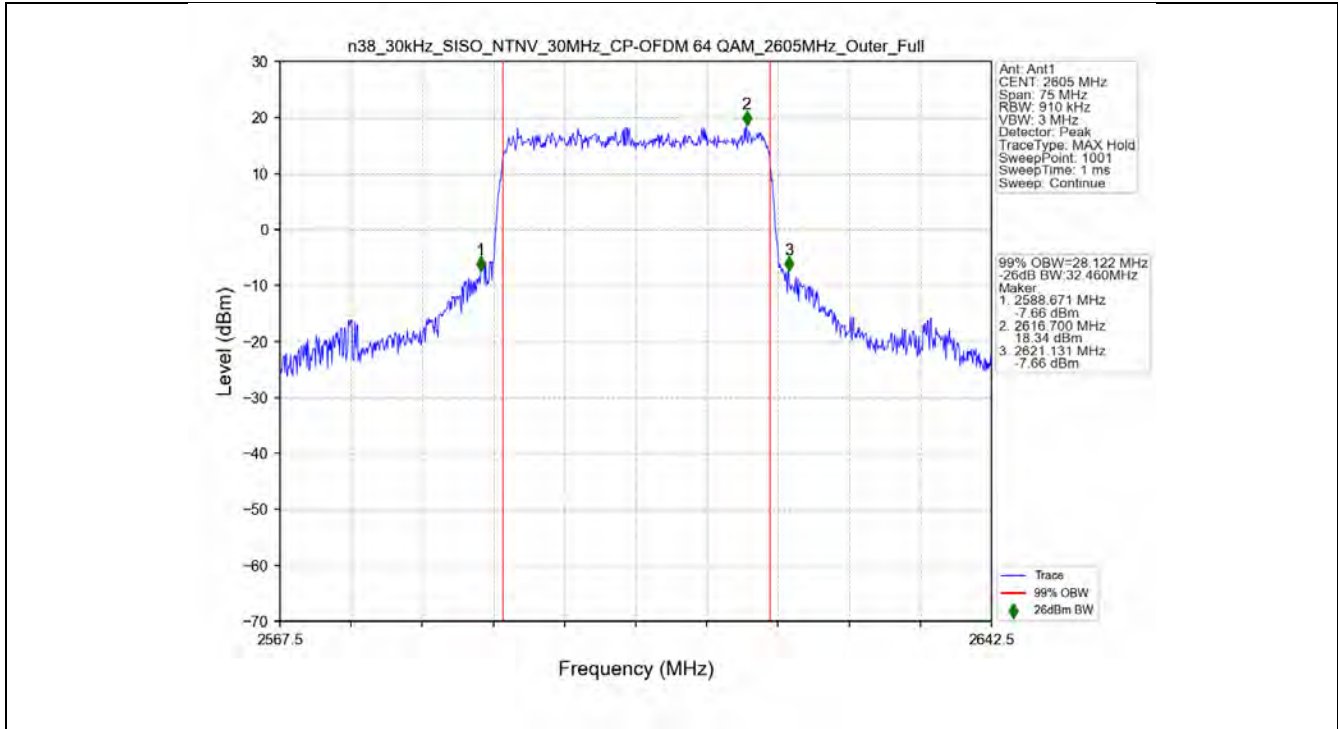


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 78 of 488



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

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

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

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

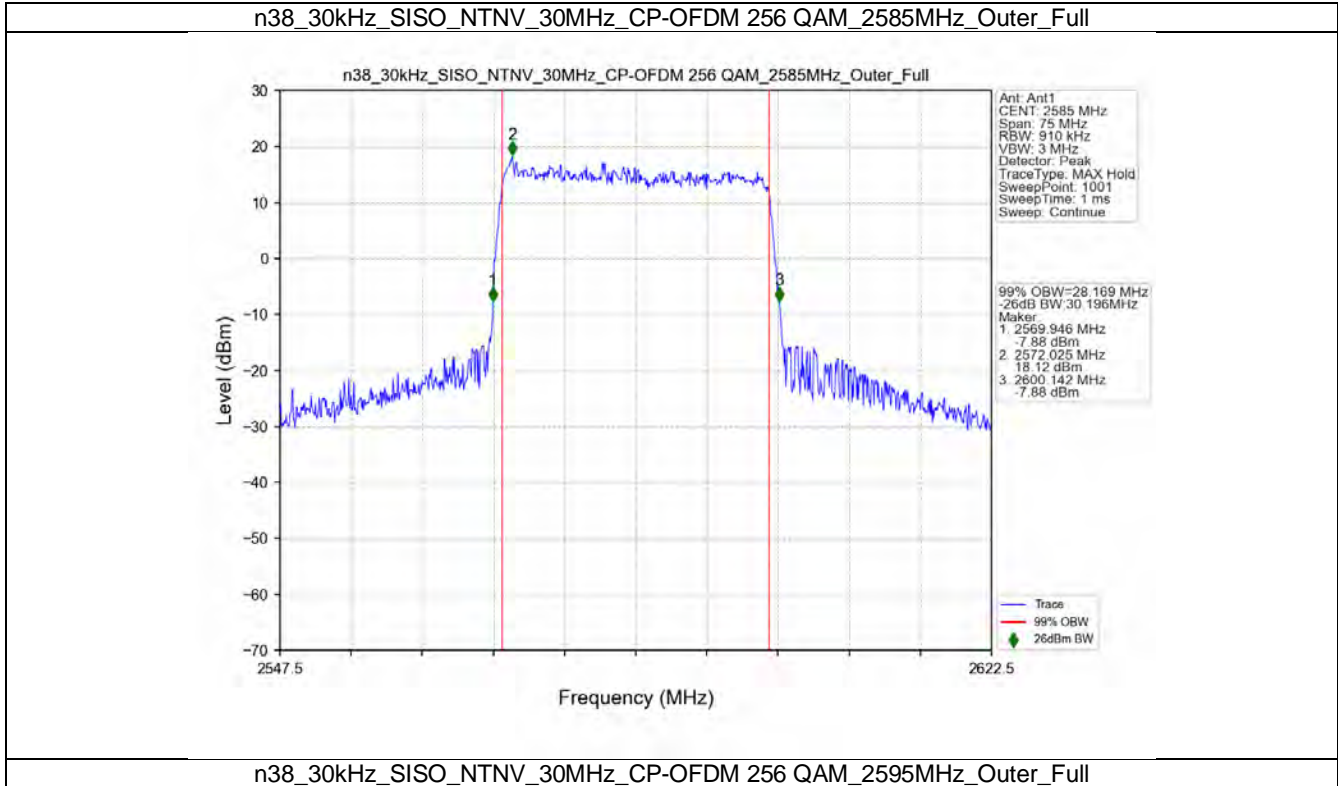


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 79 of 488



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

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

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

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

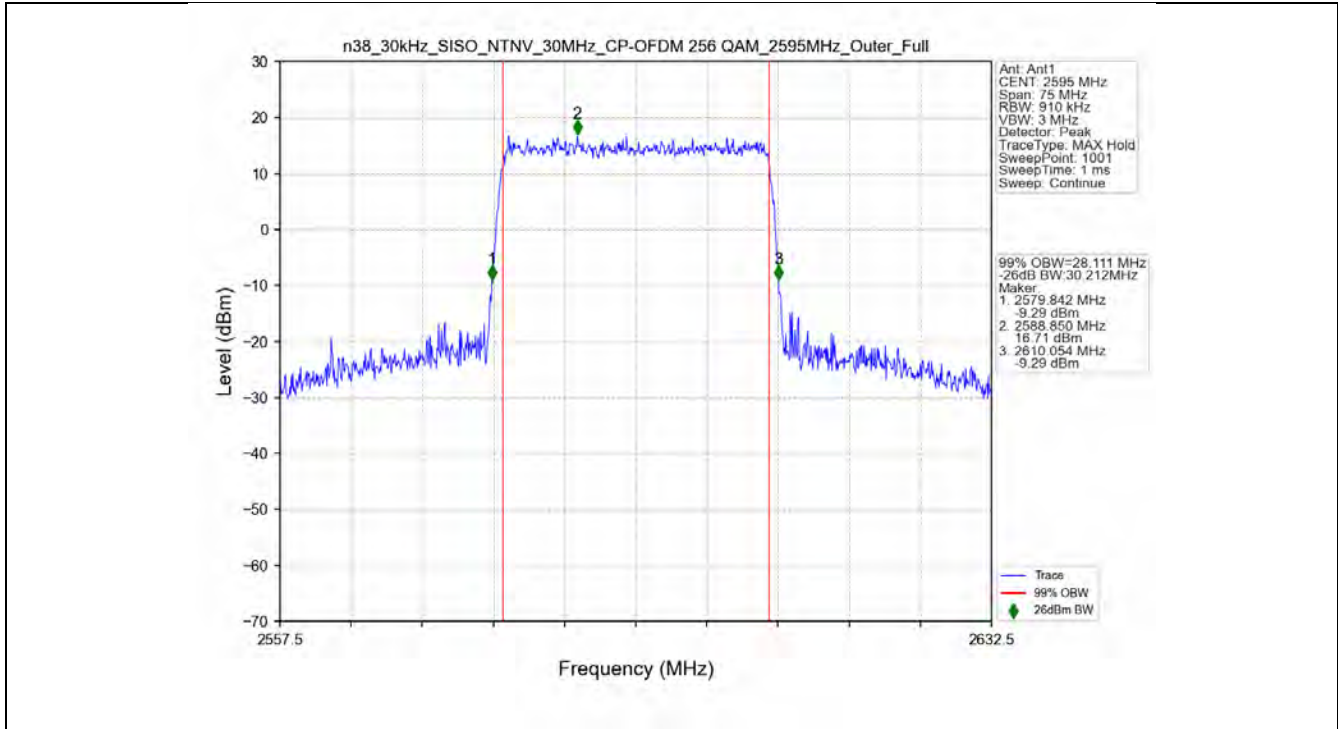


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 80 of 488



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

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

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

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



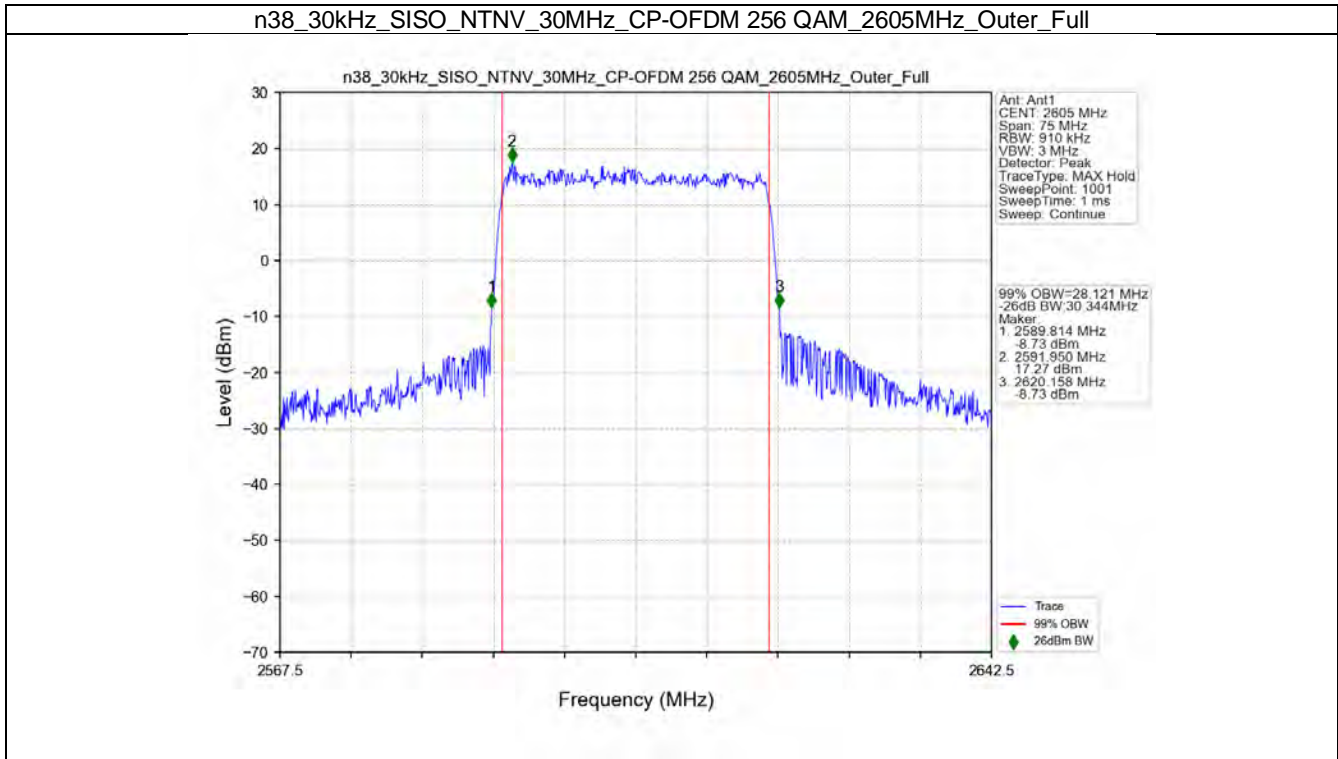


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 81 of 488



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 82 of 488

## 3.3 30k\_SISO\_40MHz\_NTNV

### 3.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	36.09	38.83	/	Pass
	2595	Outer_Full	36.02	38.66	/	Pass
	2600	Outer_Full	35.99	38.54	/	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	36.09	38.68	/	Pass
	2595	Outer_Full	36.04	38.69	/	Pass
	2600	Outer_Full	36.09	38.69	/	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	36.12	38.82	/	Pass
	2595	Outer_Full	36.16	38.69	/	Pass
	2600	Outer_Full	36.06	38.74	/	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	36.09	38.76	/	Pass
	2595	Outer_Full	36.02	38.68	/	Pass
	2600	Outer_Full	36.08	38.59	/	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	36.10	38.73	/	Pass
	2595	Outer_Full	36.10	38.77	/	Pass
	2600	Outer_Full	36.12	38.67	/	Pass
CP-OFDM QPSK	2590	Outer_Full	38.13	40.91	/	Pass
	2595	Outer_Full	38.08	40.88	/	Pass
	2600	Outer_Full	38.10	40.81	/	Pass
CP-OFDM 16 QAM	2590	Outer_Full	38.23	40.98	/	Pass
	2595	Outer_Full	38.21	41.01	/	Pass
	2600	Outer_Full	38.21	40.78	/	Pass
CP-OFDM 64 QAM	2590	Outer_Full	38.28	40.96	/	Pass
	2595	Outer_Full	38.25	40.96	/	Pass
	2600	Outer_Full	38.19	40.85	/	Pass
CP-OFDM 256 QAM	2590	Outer_Full	38.34	40.87	/	Pass
	2595	Outer_Full	38.34	40.91	/	Pass
	2600	Outer_Full	38.30	40.95	/	Pass



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

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services  
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.ssgroup.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



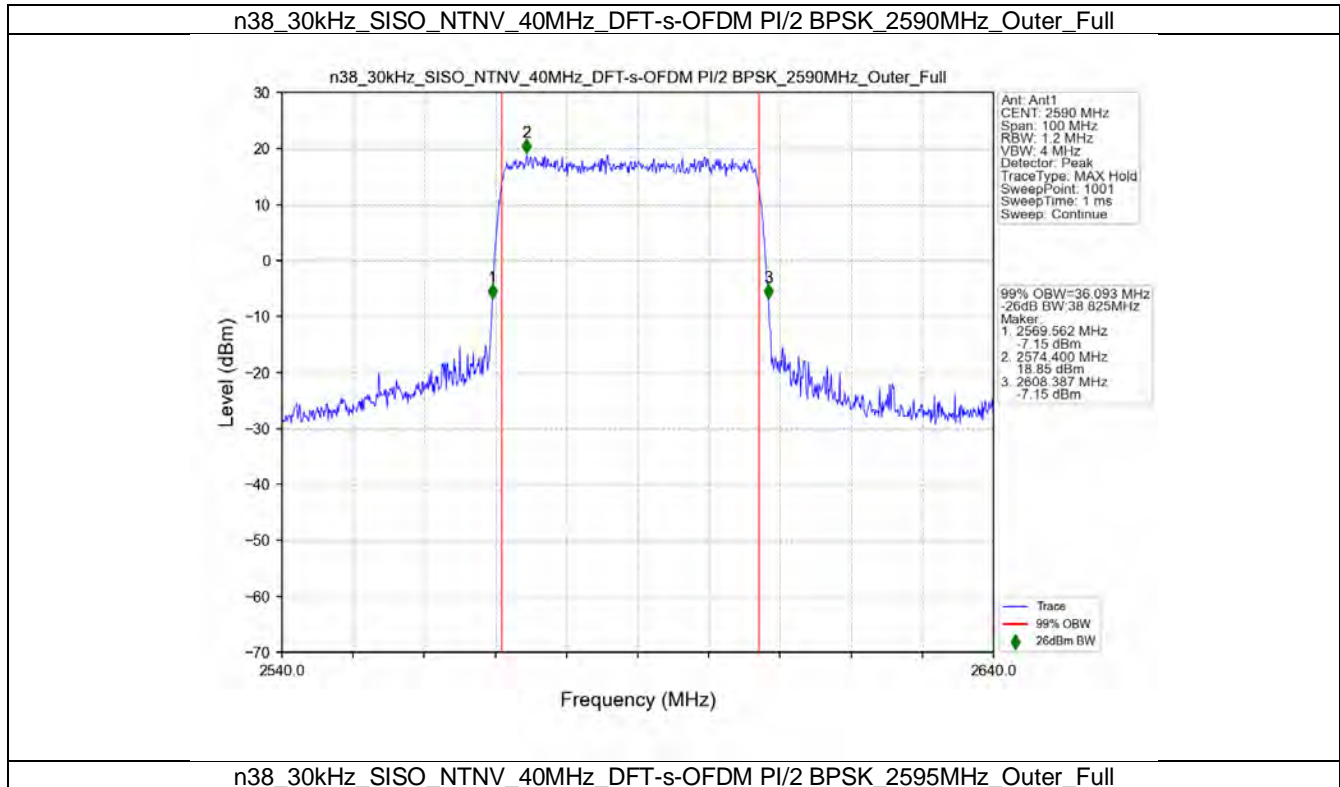
**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 83 of 488

3.3.2 Test Graph



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

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

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

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

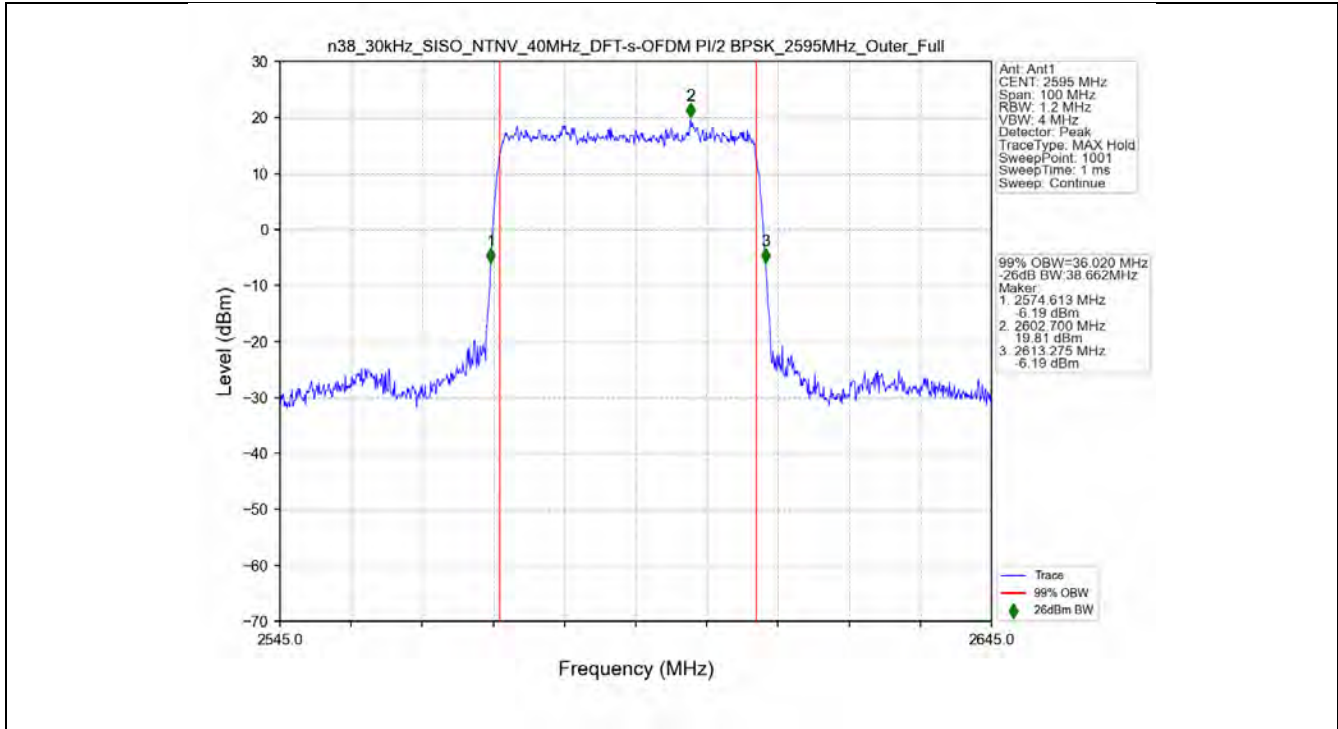


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 84 of 488



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

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

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

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



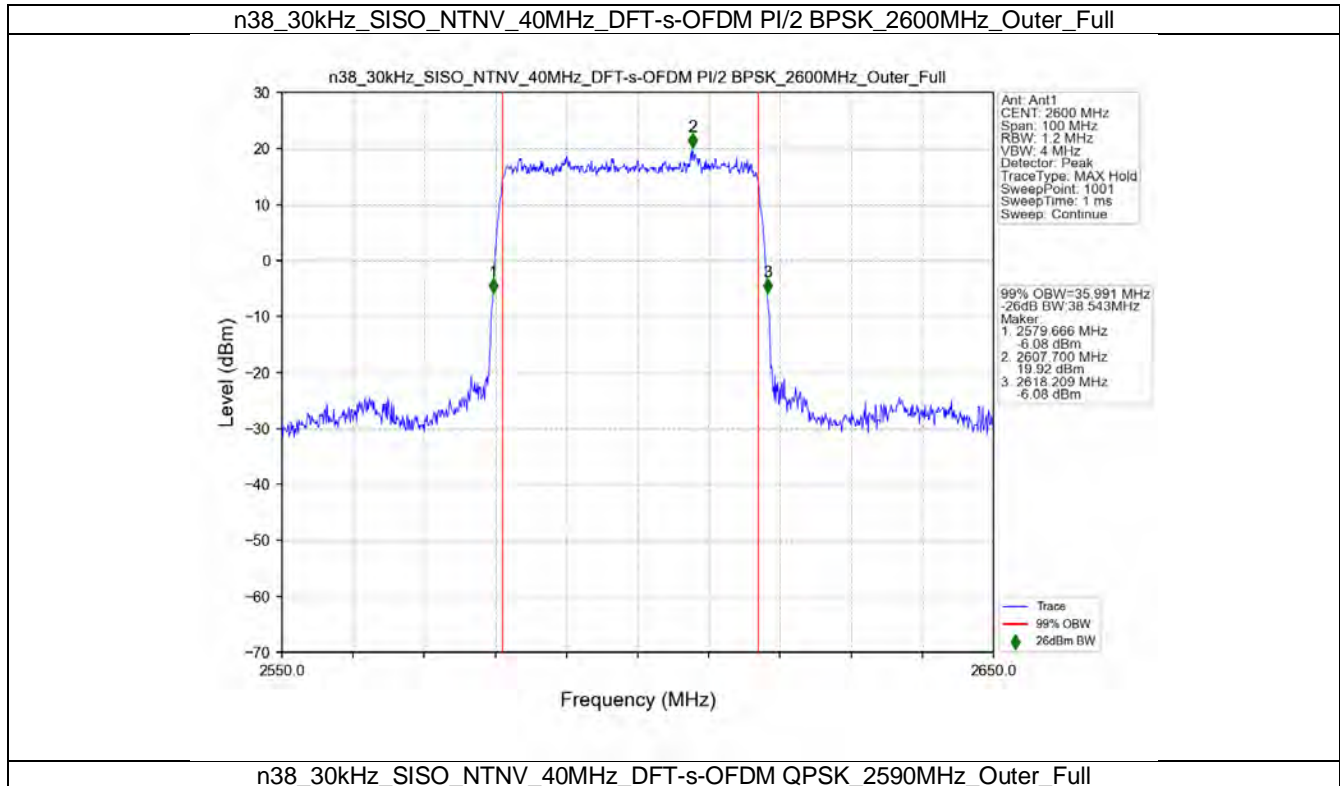


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 85 of 488



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

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

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

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

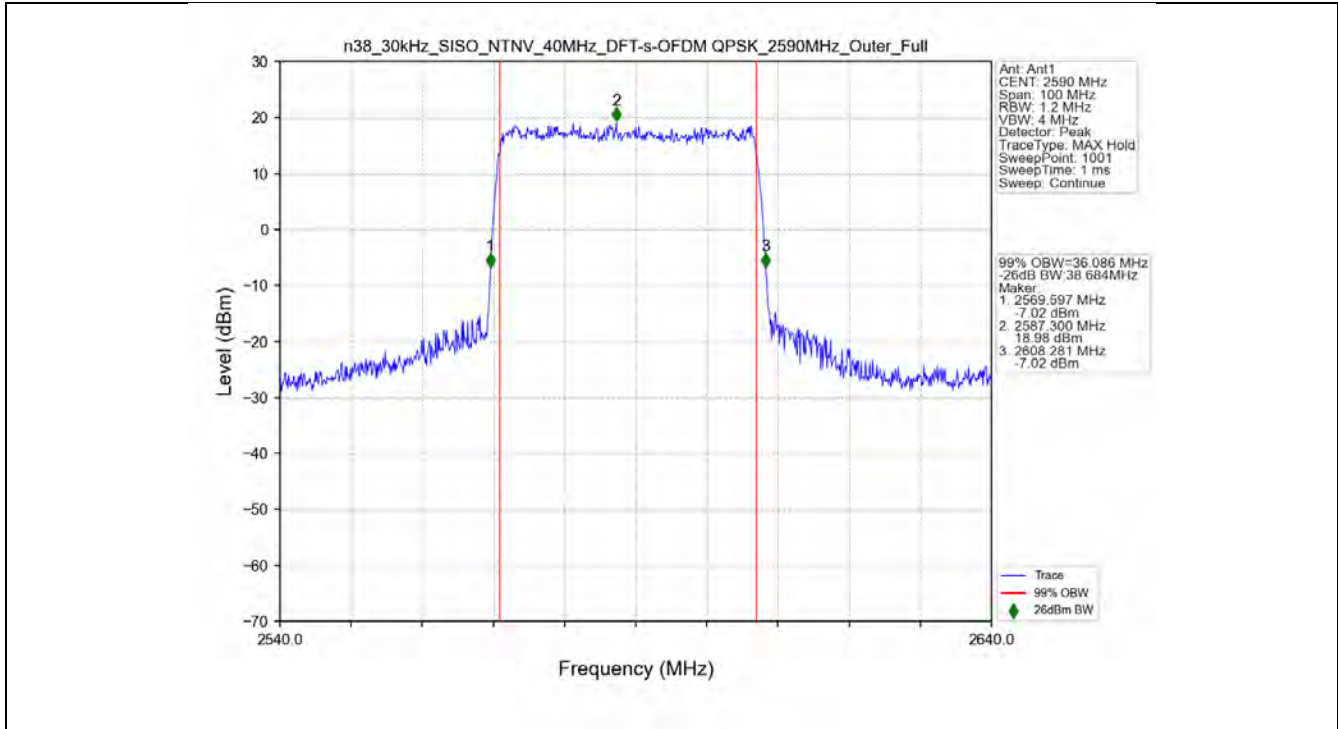


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 86 of 488



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

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

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

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

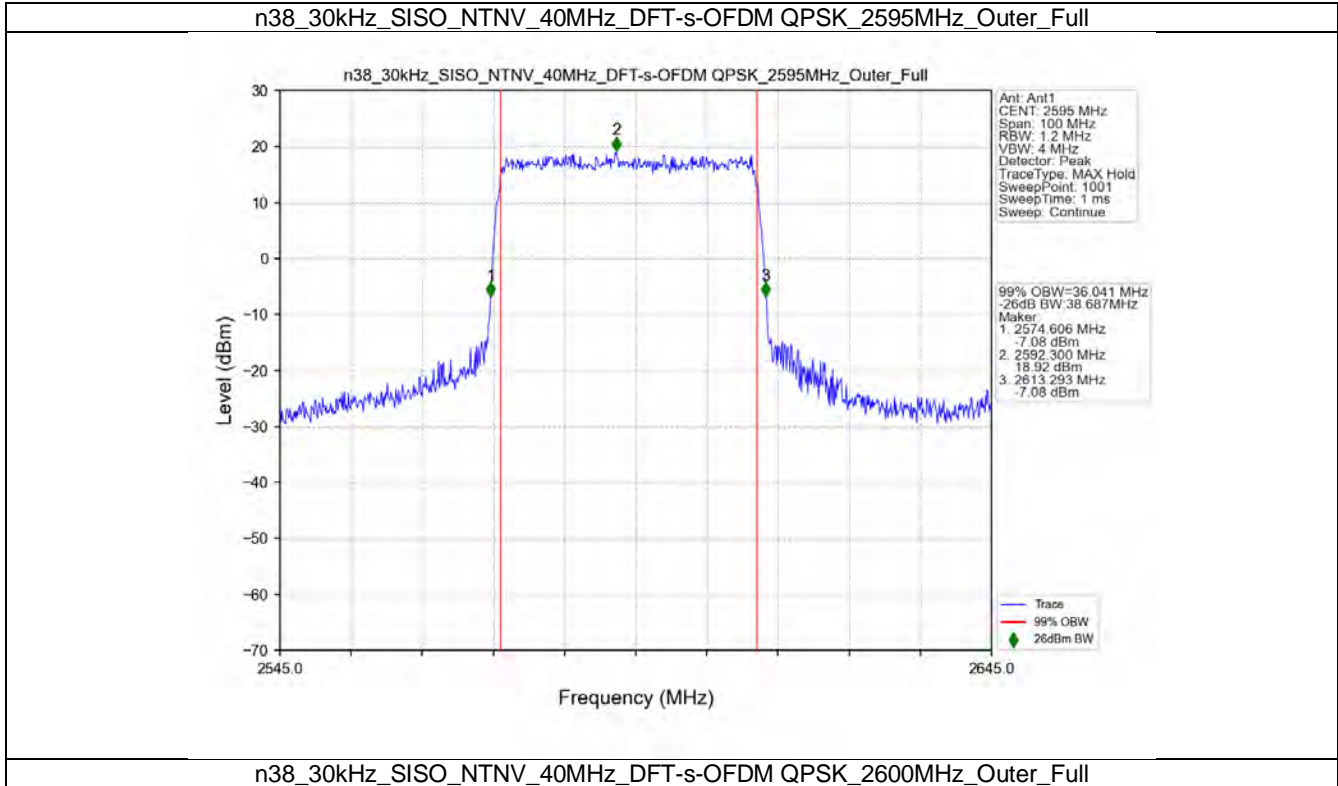


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 87 of 488



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

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

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

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

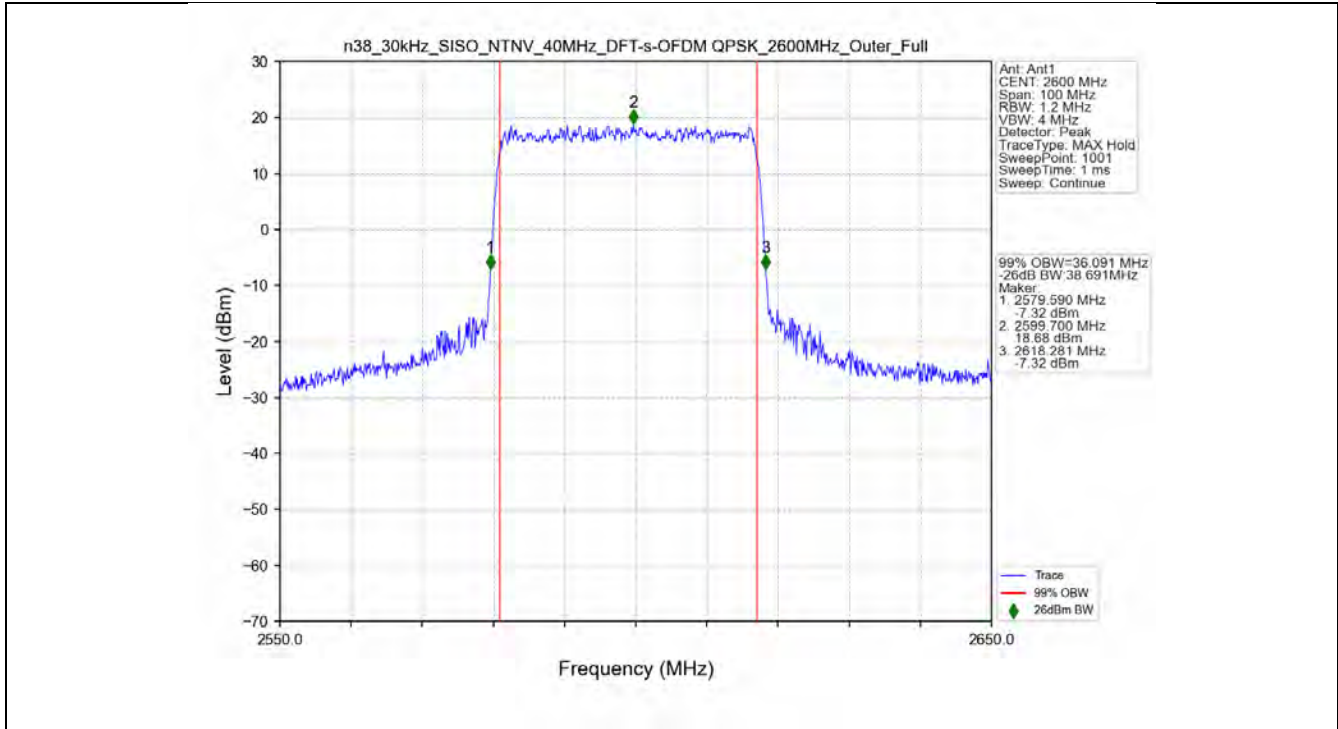


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 88 of 488



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

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

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

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



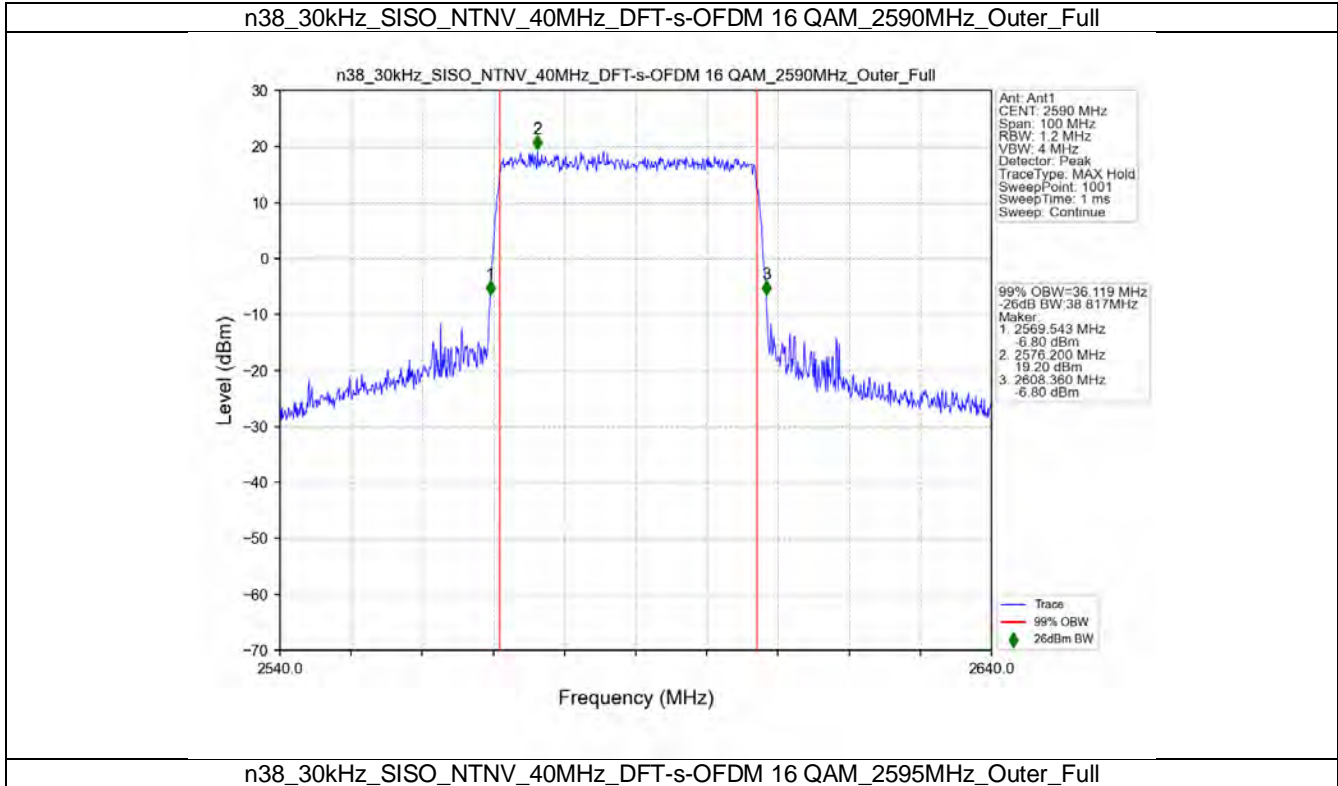


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 89 of 488



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

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

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

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

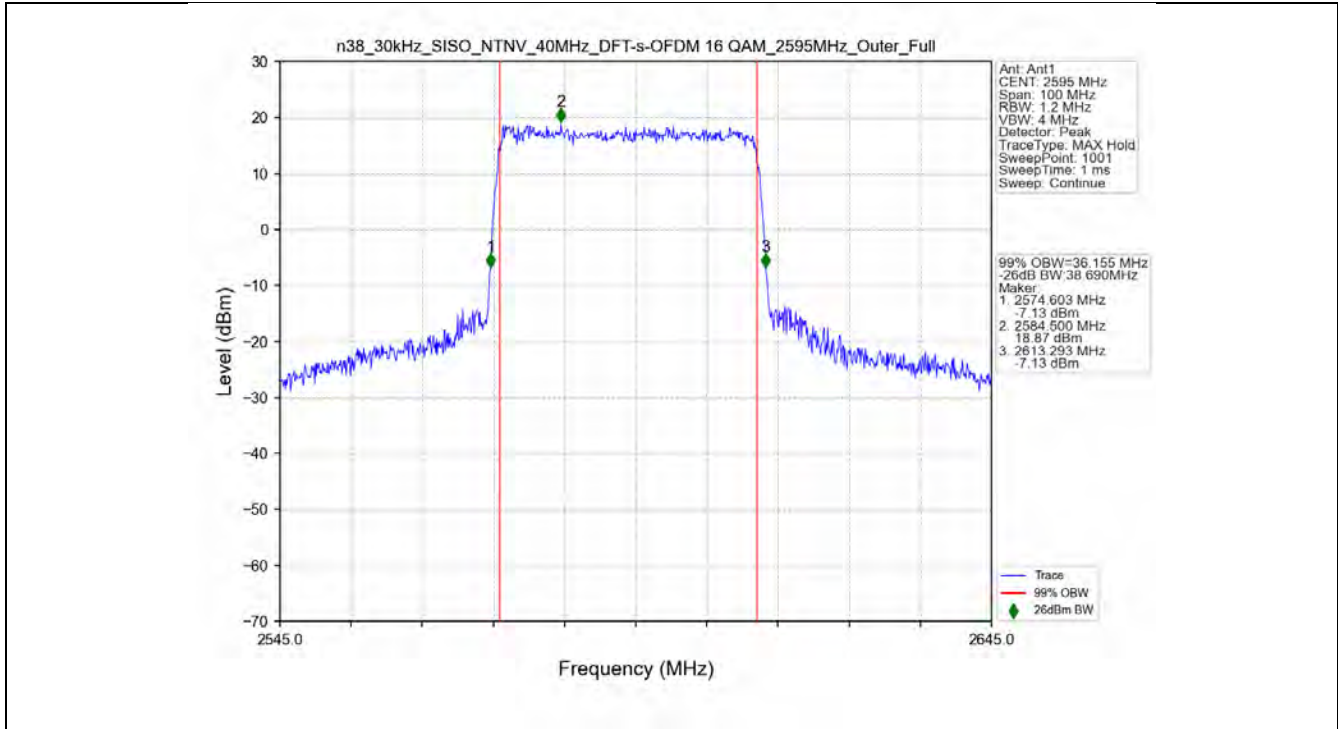


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 90 of 488



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

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

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

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

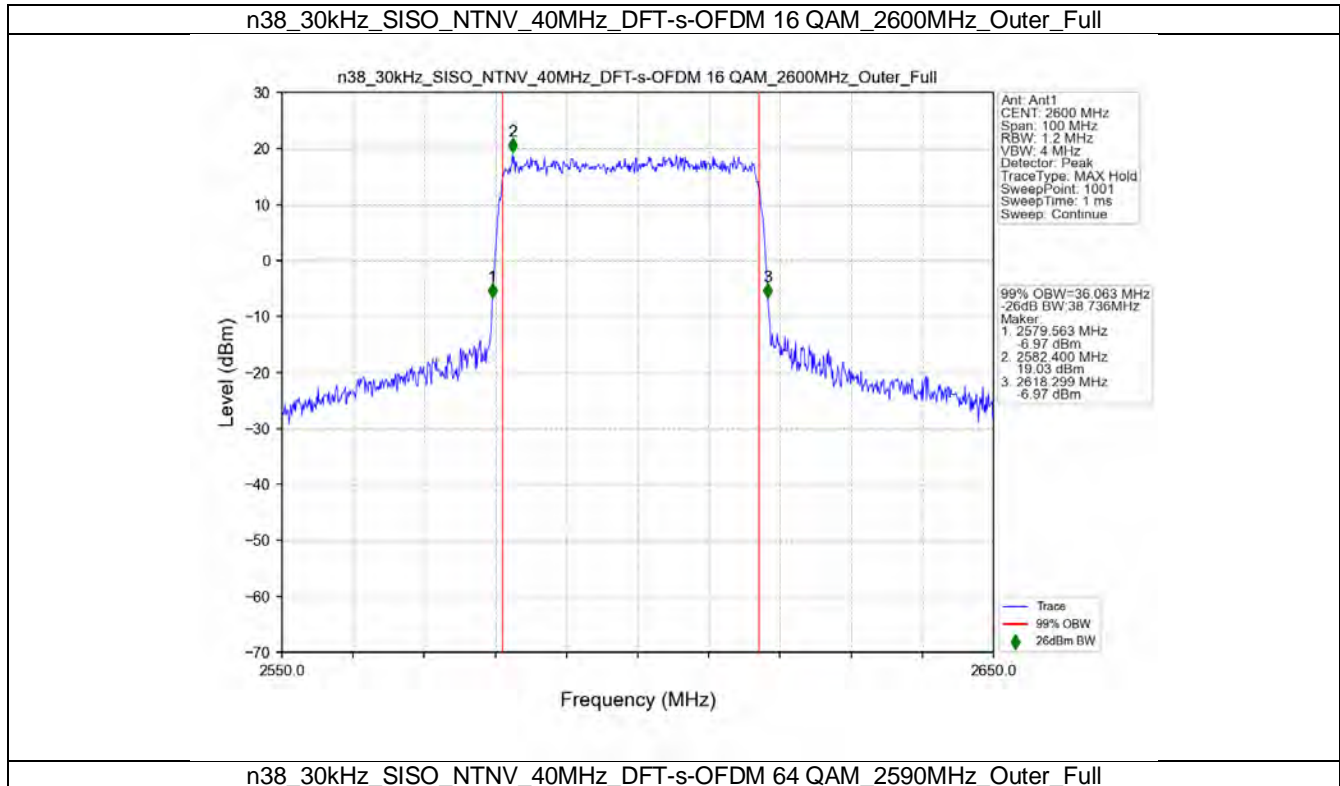


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 91 of 488



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

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

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

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

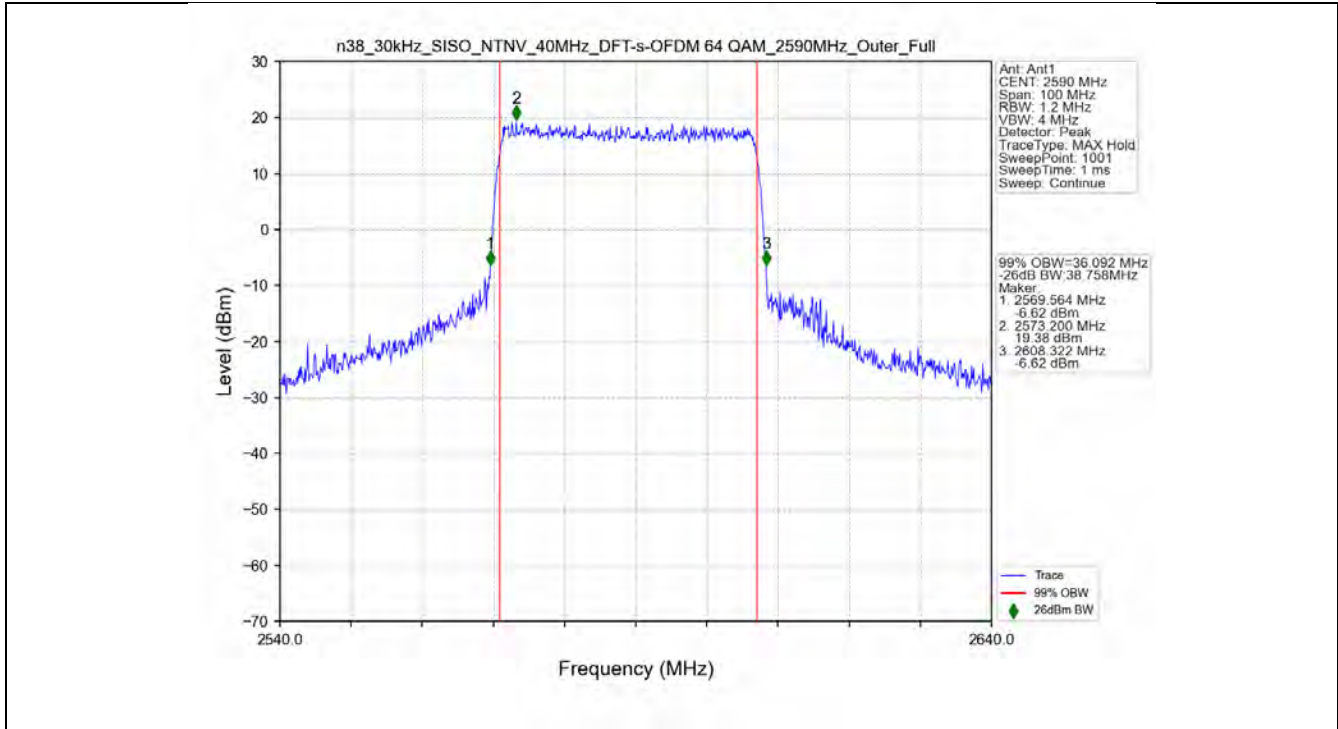


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 92 of 488



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

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

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

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



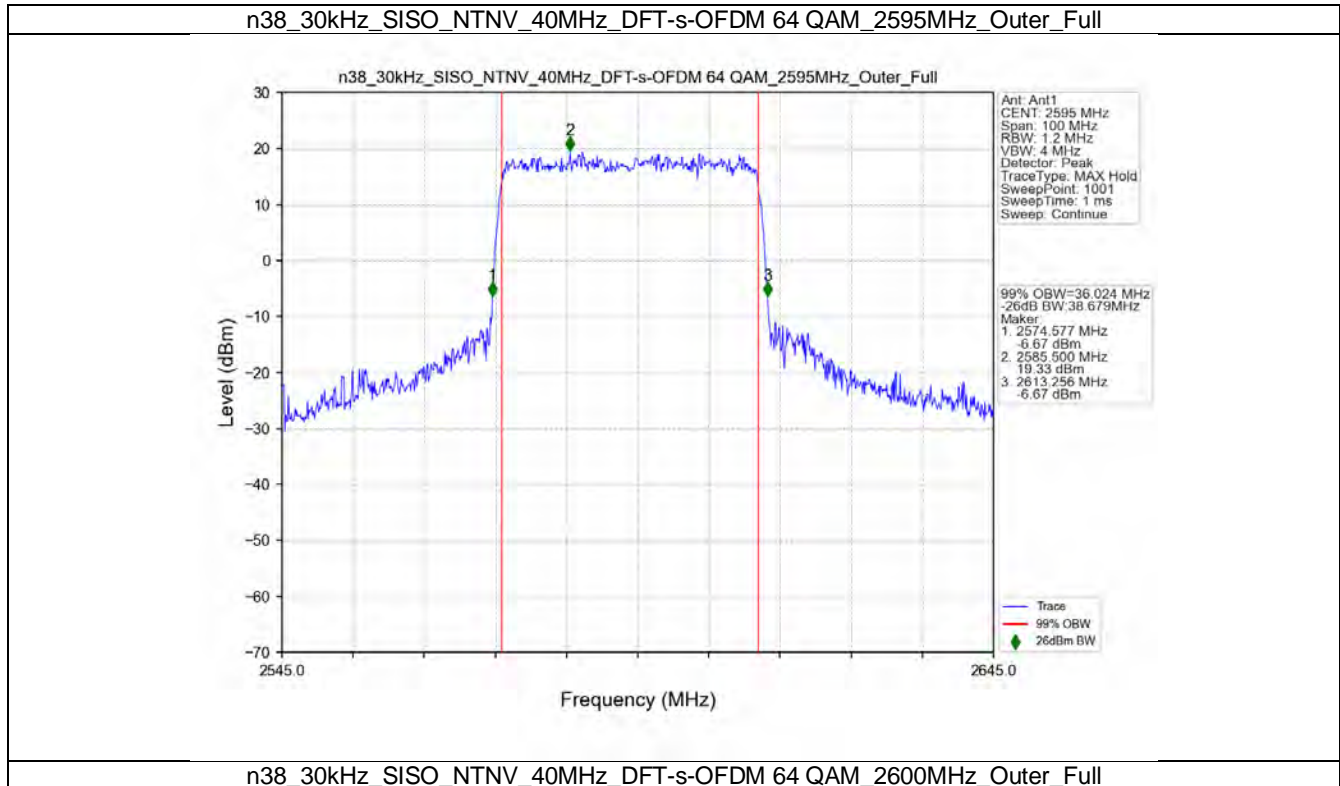


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 93 of 488



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

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

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

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

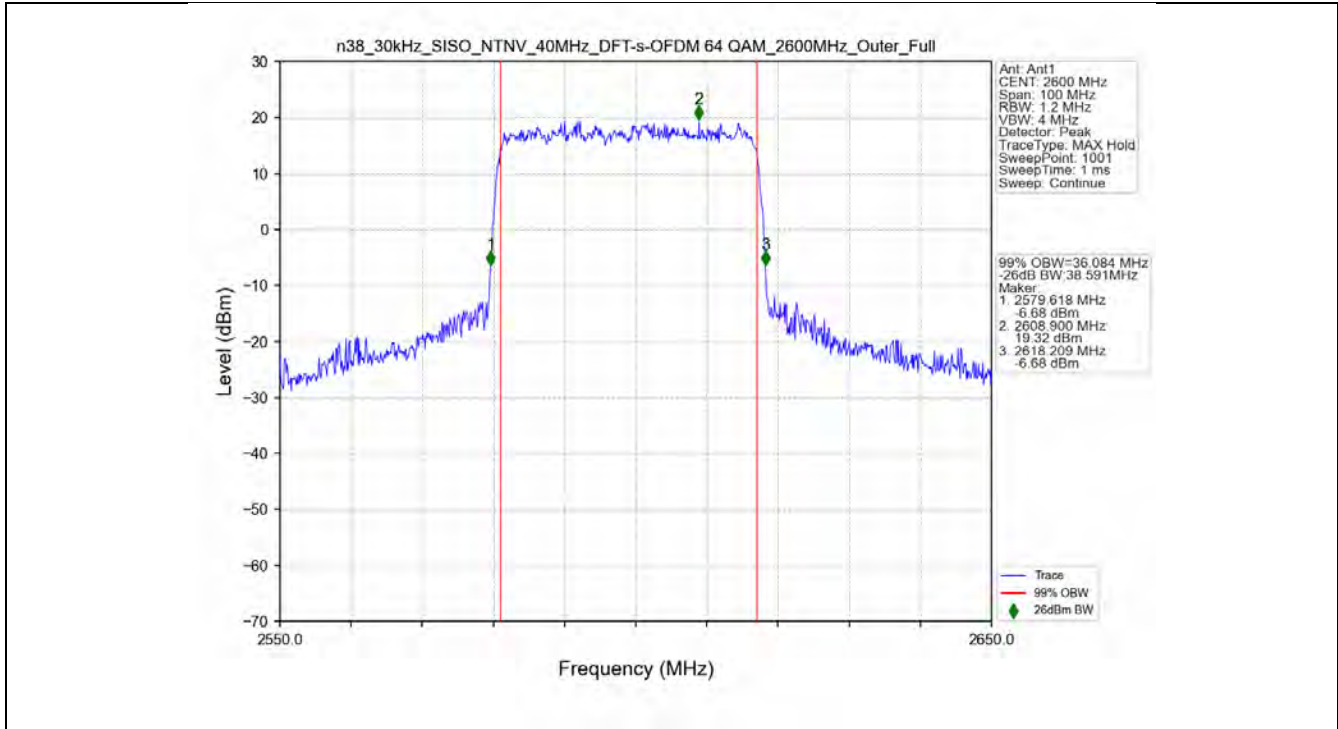


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 94 of 488



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

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

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

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

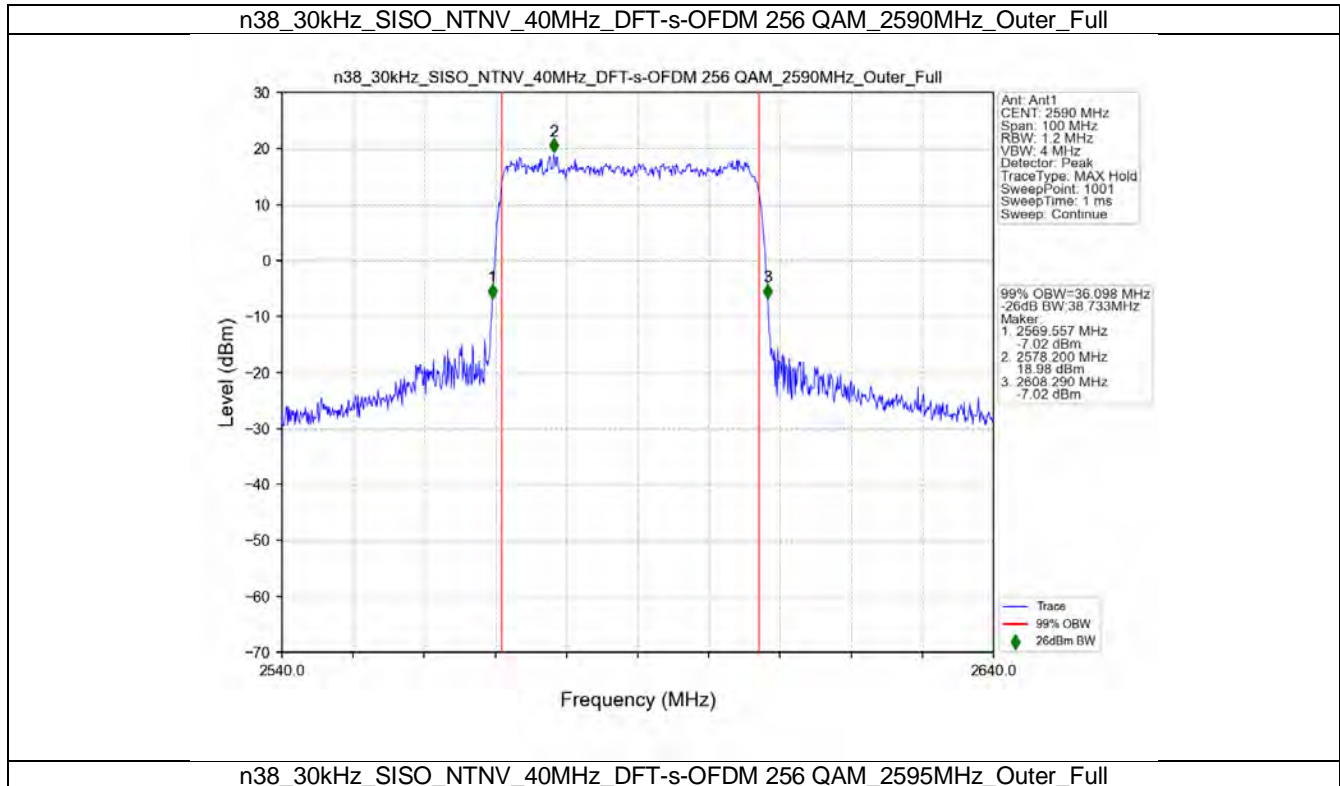


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 95 of 488



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

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

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

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

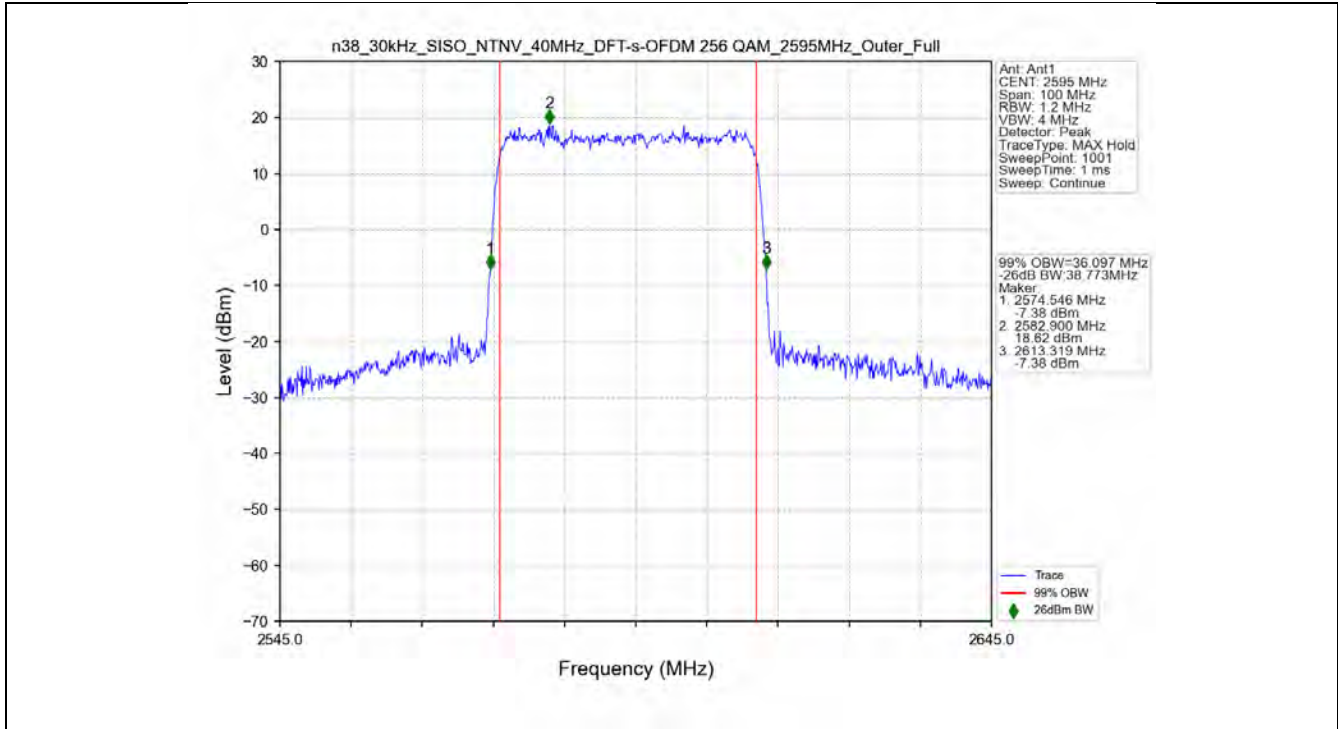


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 96 of 488



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

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

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

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



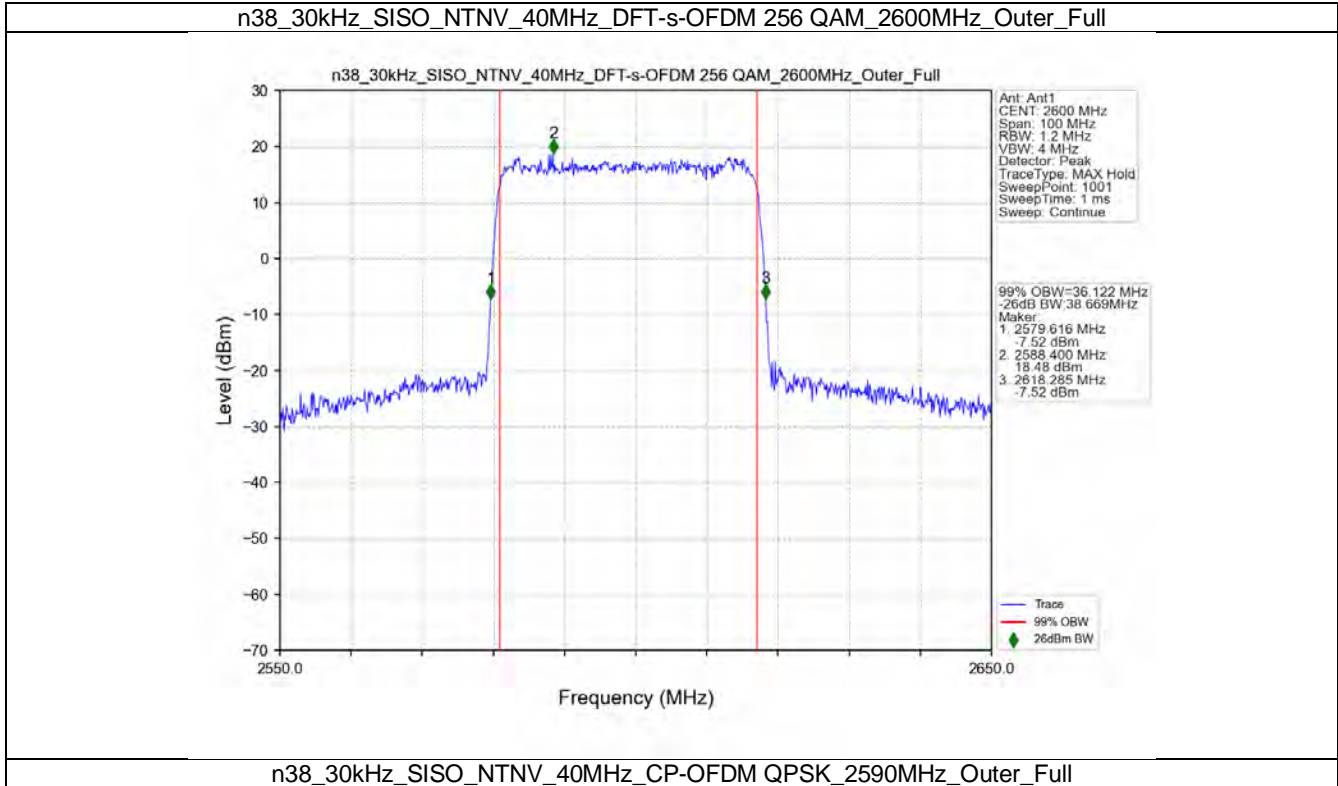


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 97 of 488



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

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

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

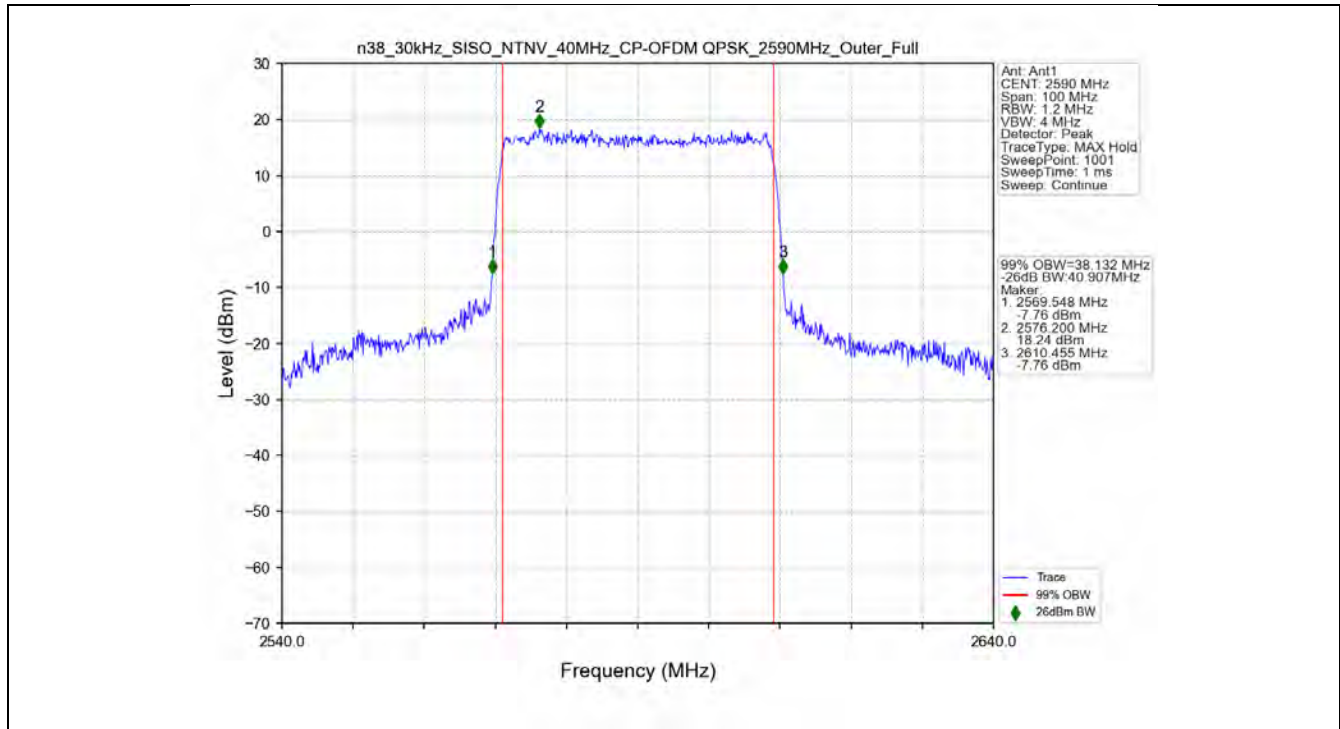


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 98 of 488



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

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

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

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

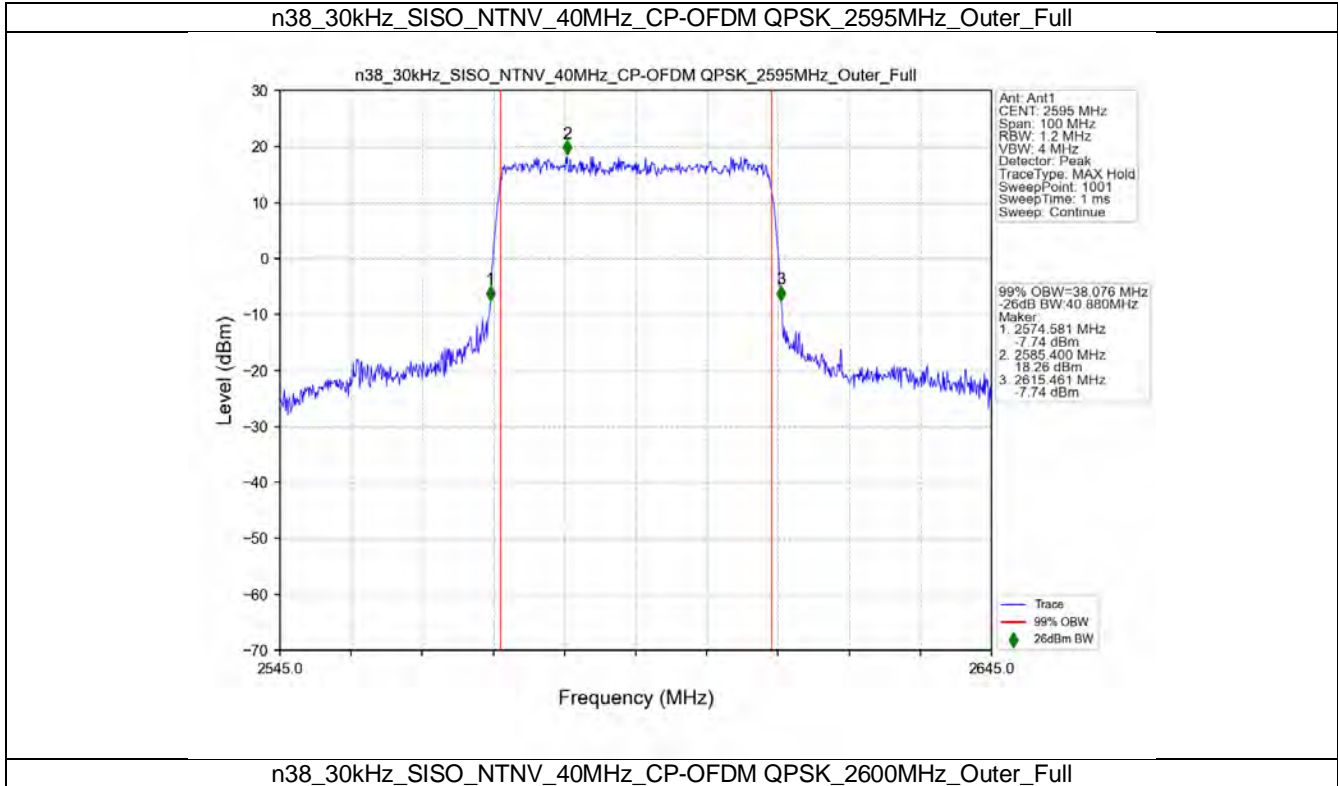


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 99 of 488



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

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

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

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

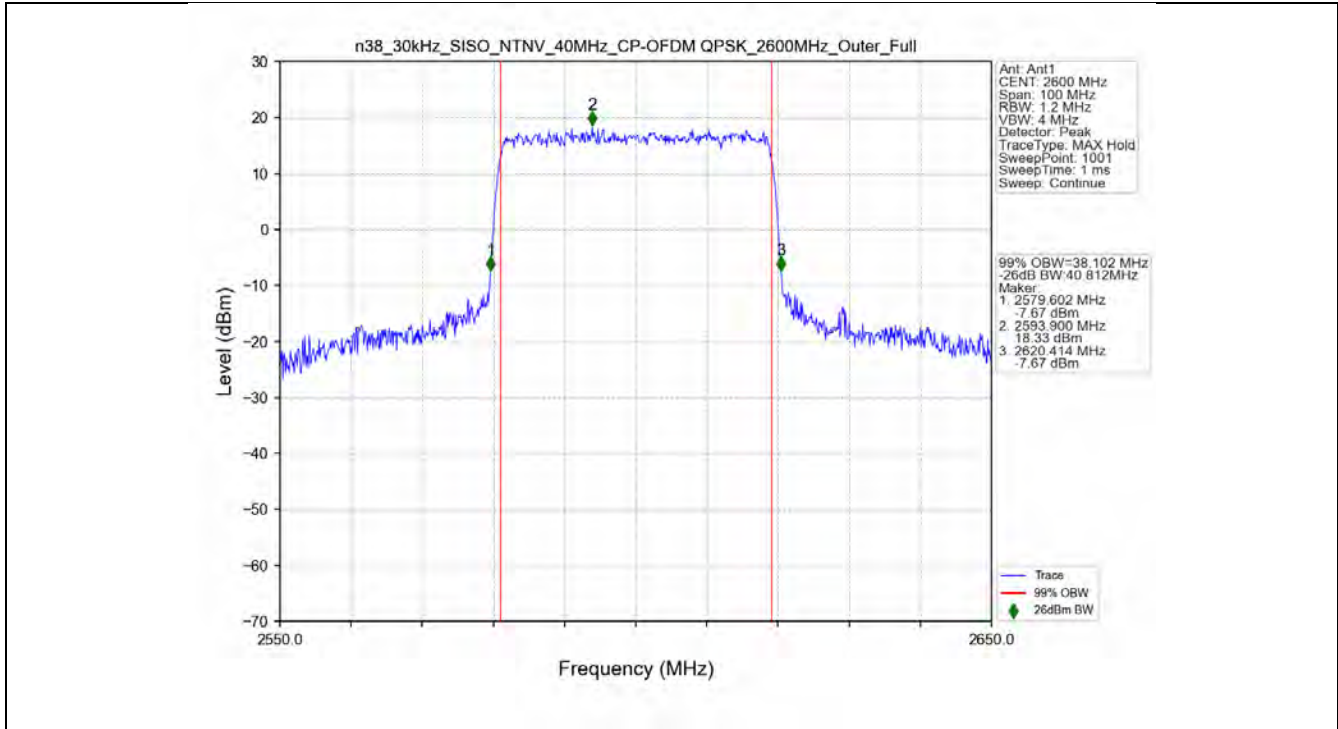


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 100 of 488



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

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

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

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



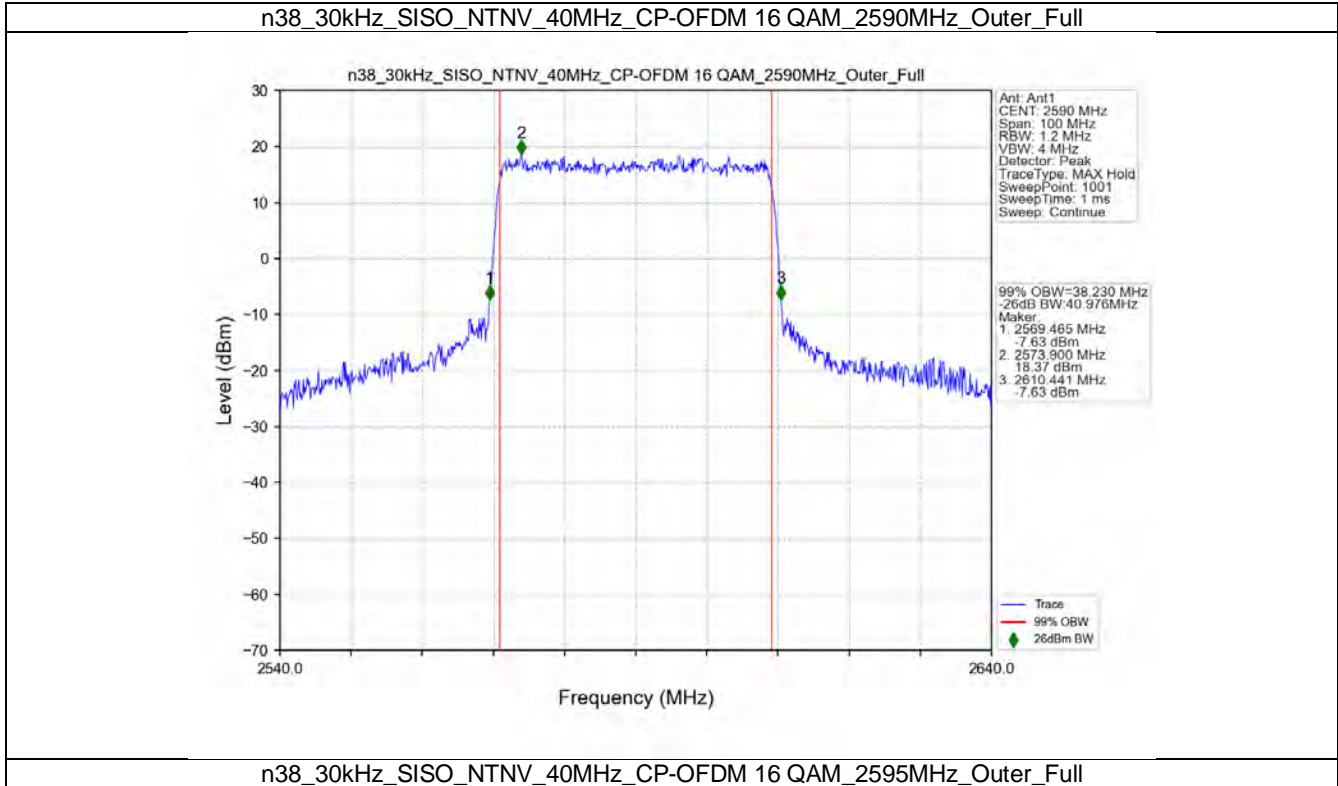


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 101 of 488



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

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

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

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

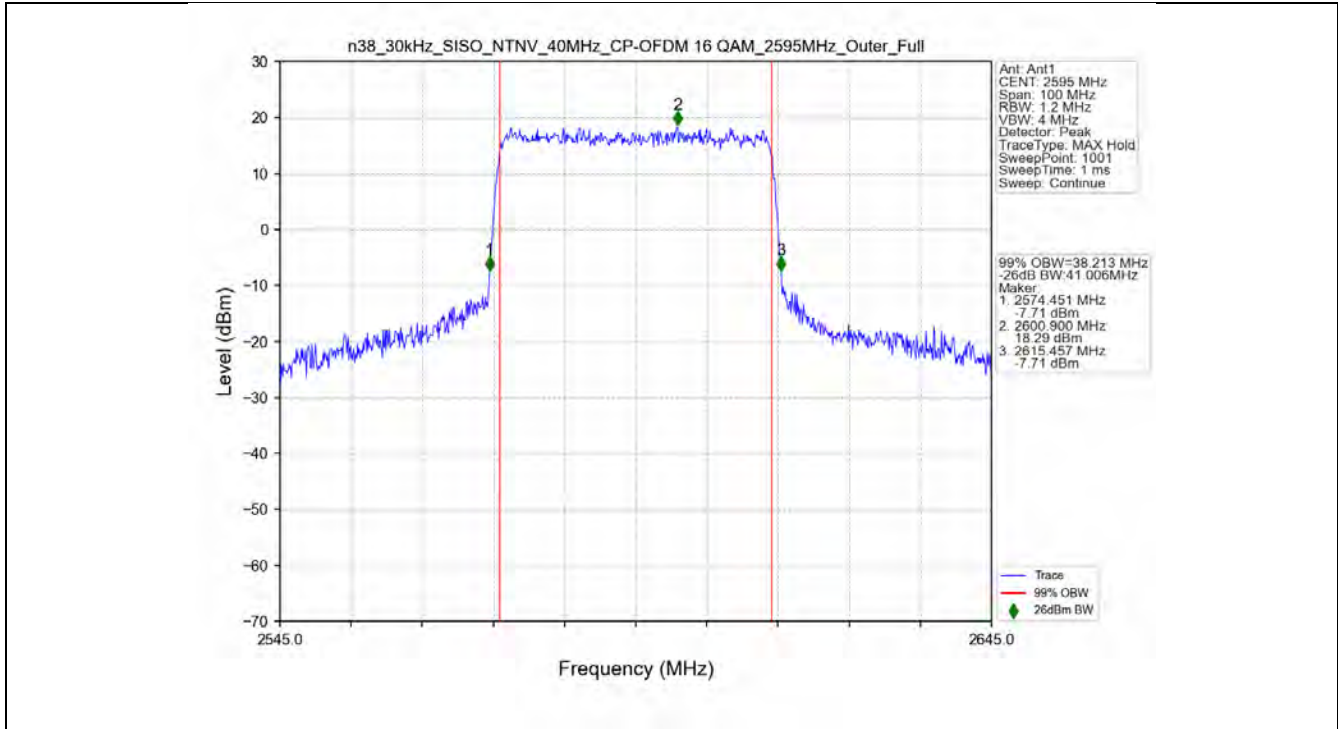


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 102 of 488



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

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

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

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

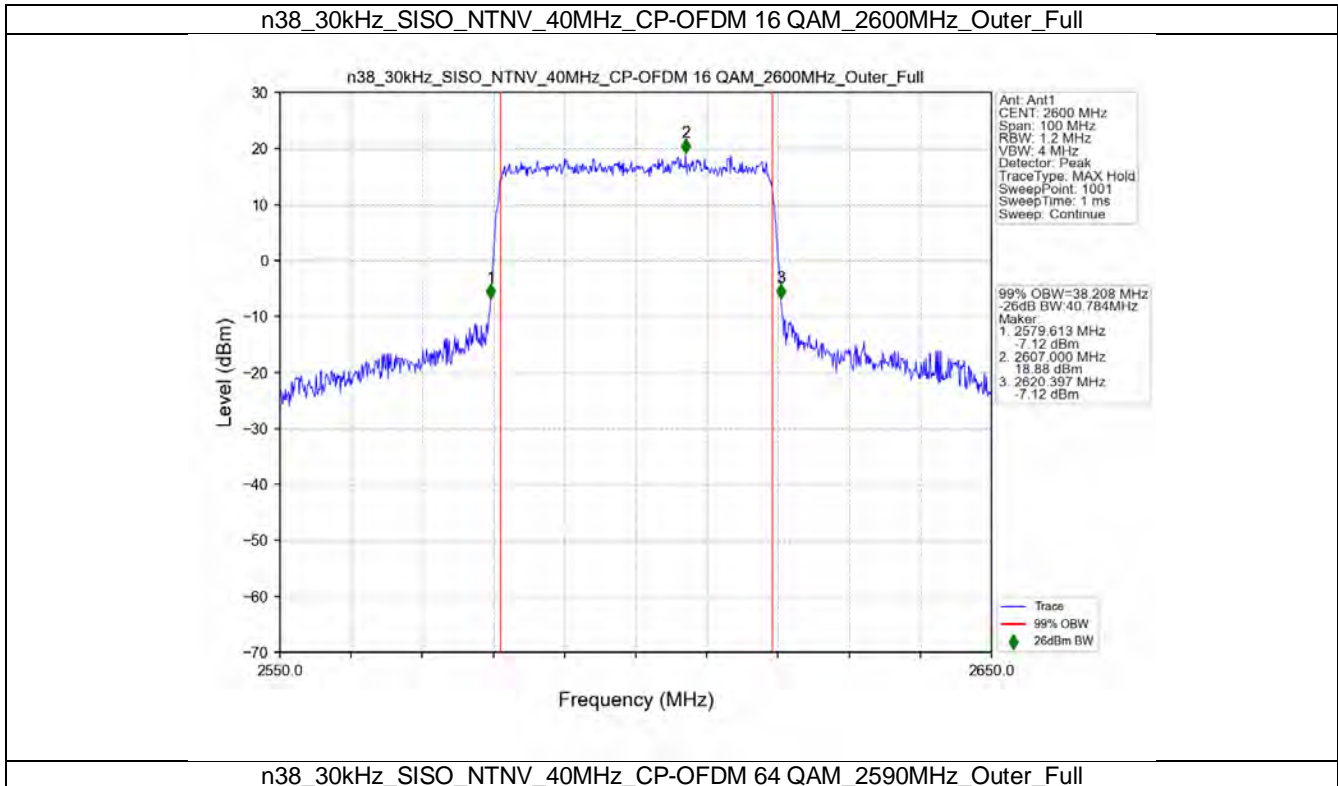


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 103 of 488



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

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

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

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

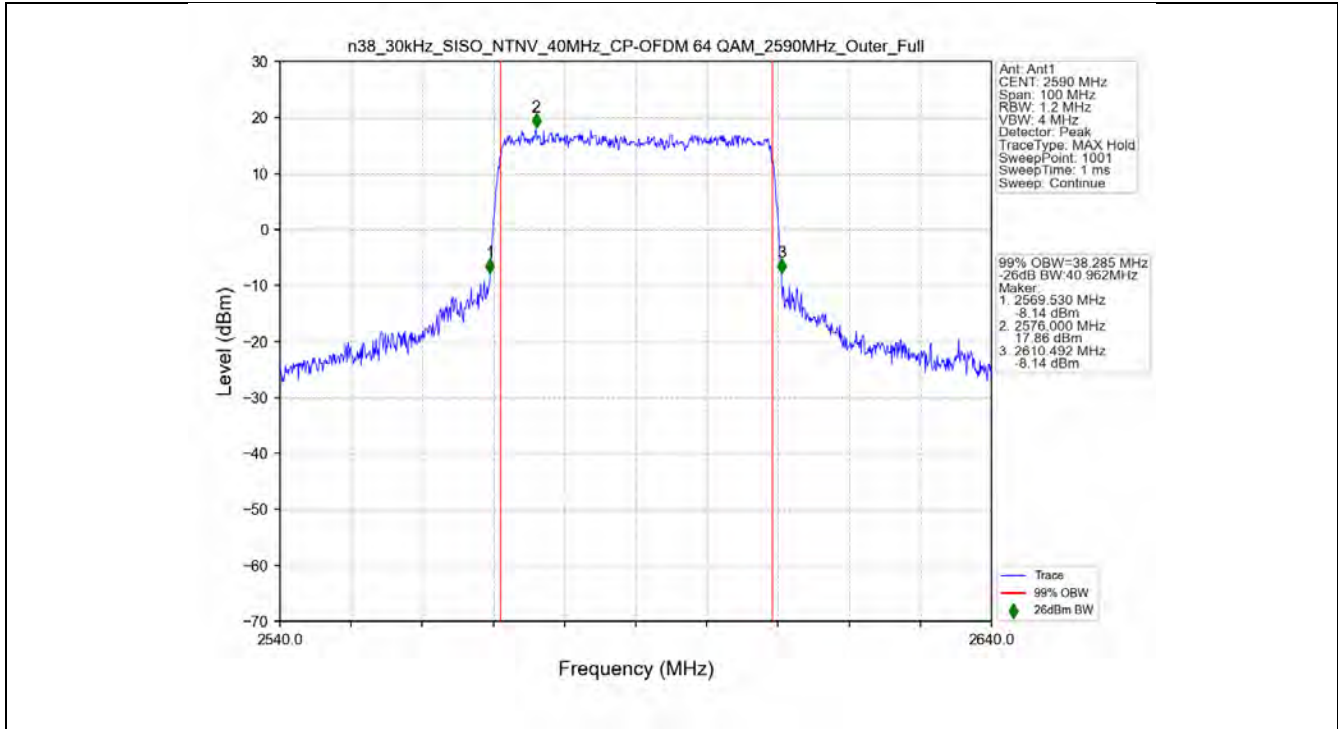


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 104 of 488



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

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

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

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



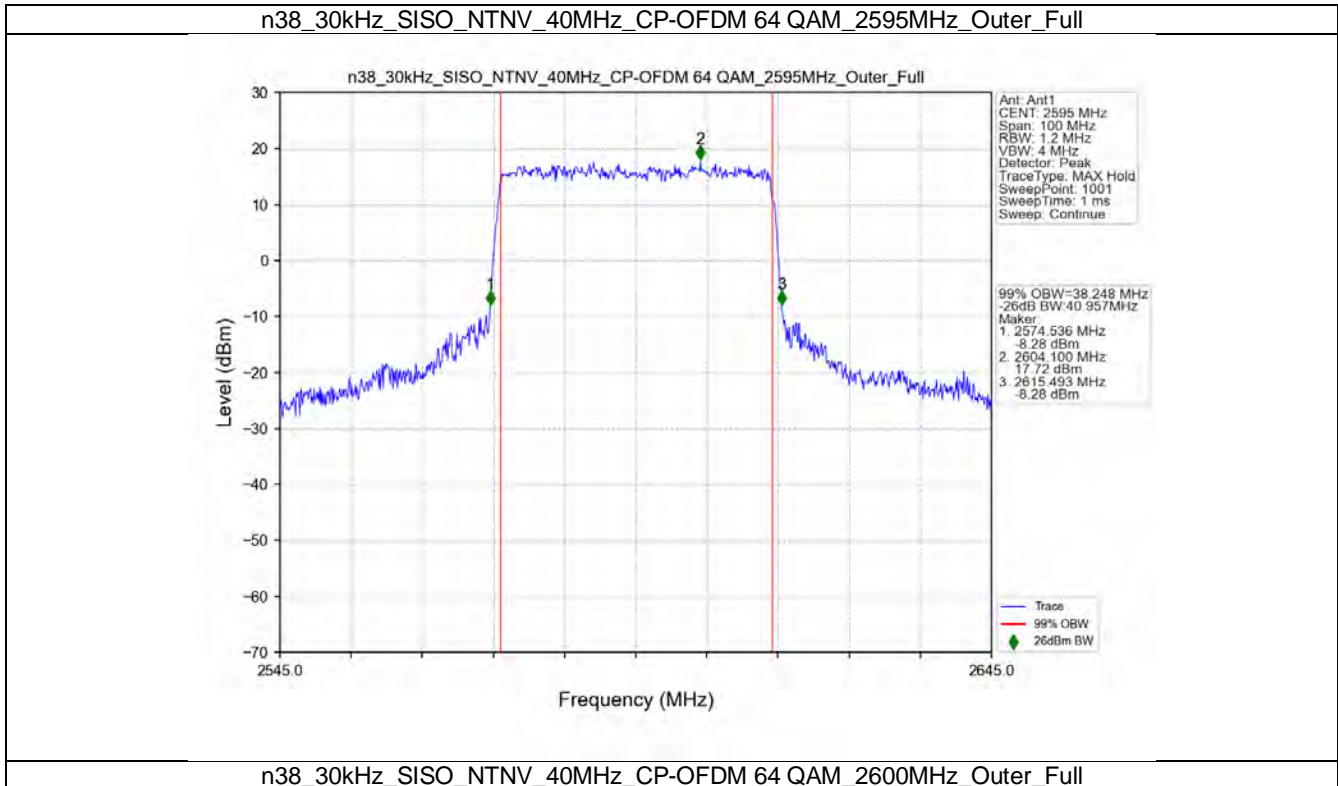


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 105 of 488



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

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

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

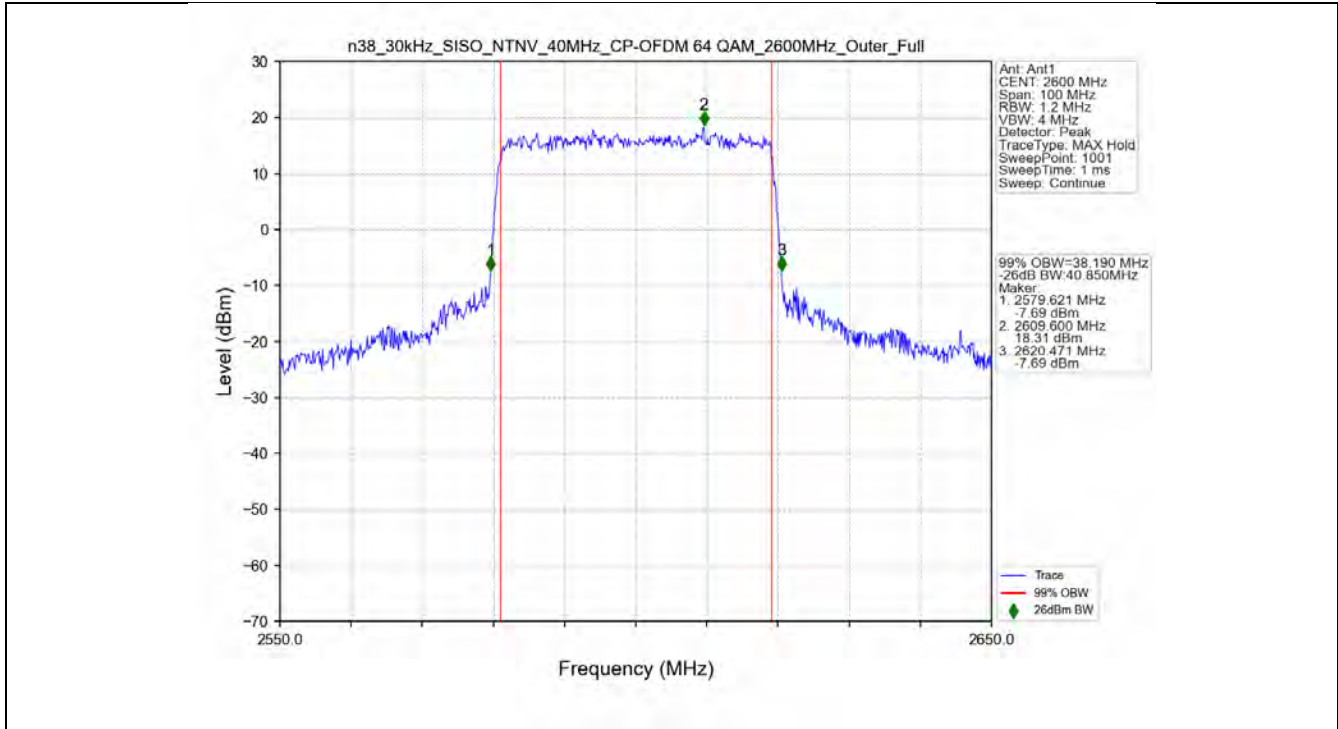


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 106 of 488



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

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

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

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

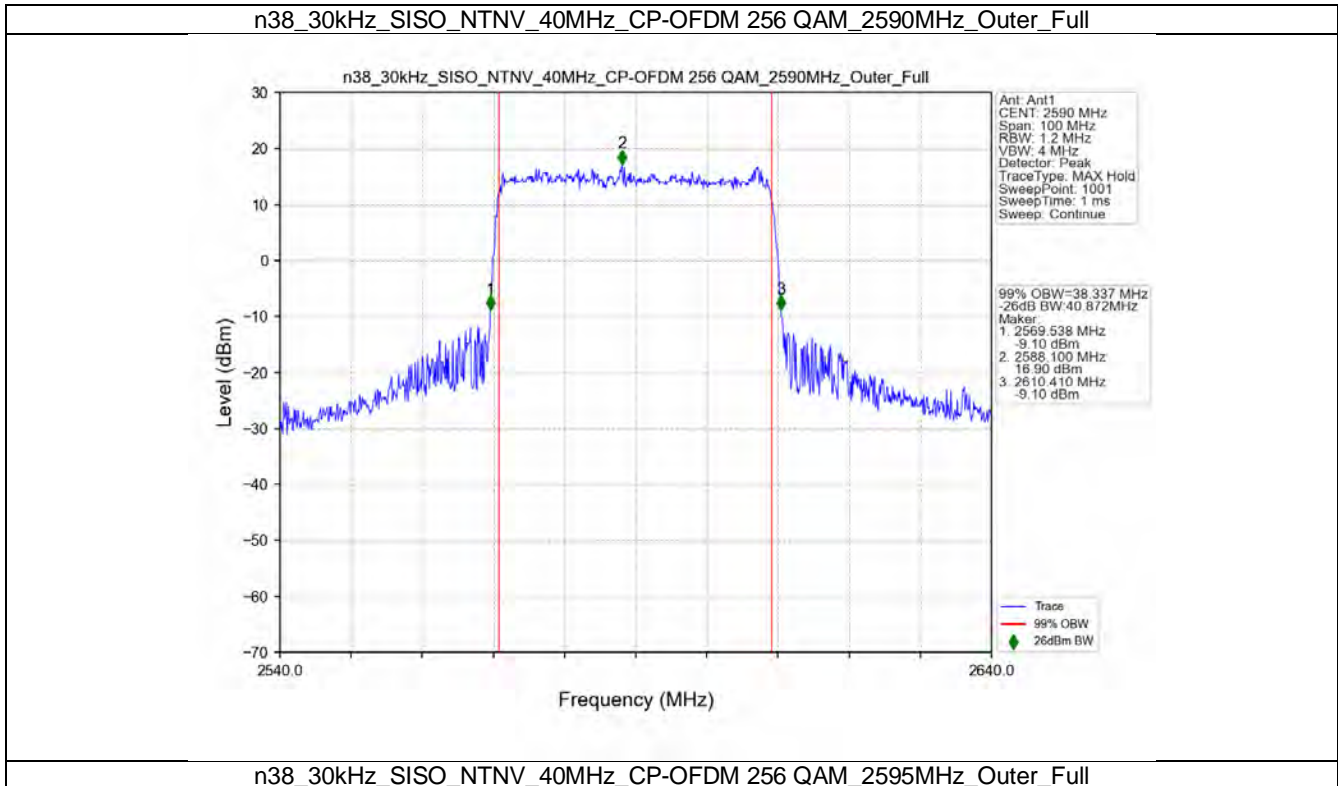


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 107 of 488



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

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

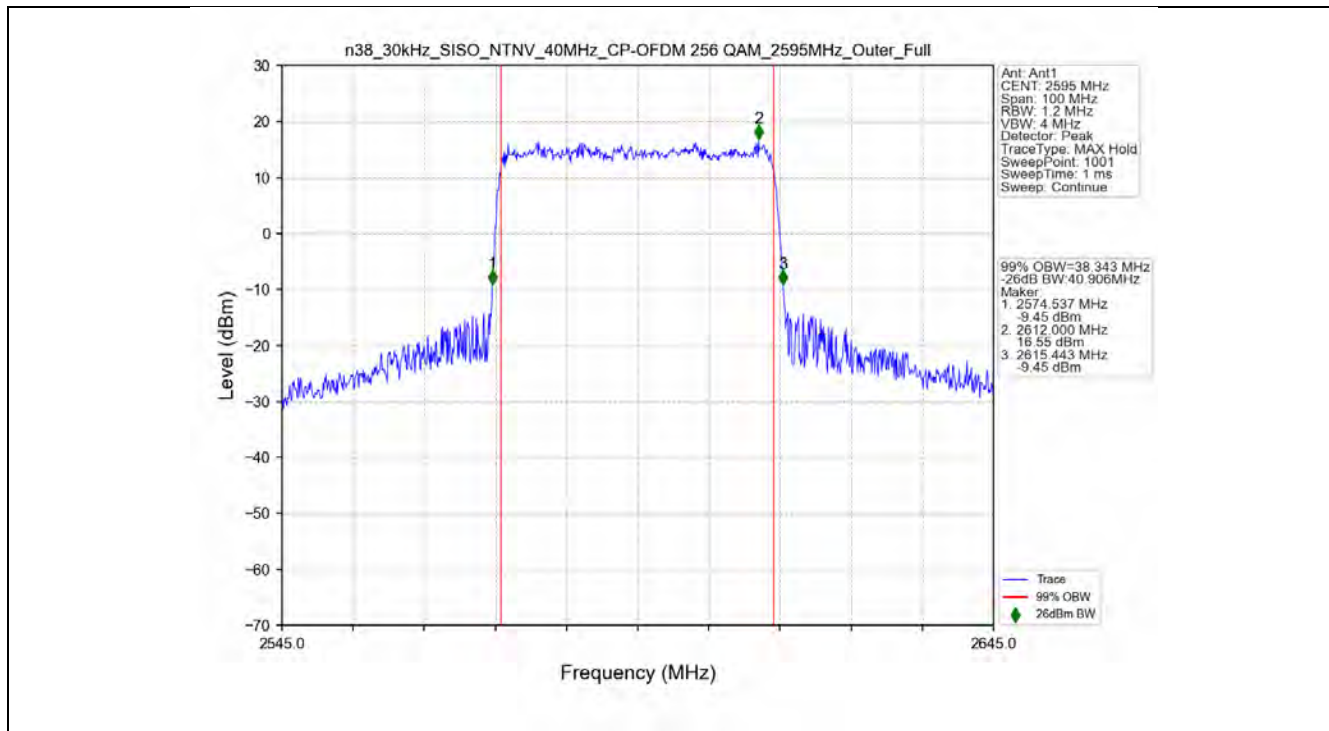
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services  
Shenzhen Branch Wireless Laboratory

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



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

Report No.: SZCR240100038409  
 Rev.: 01  
 Page: 108 of 488



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

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

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

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



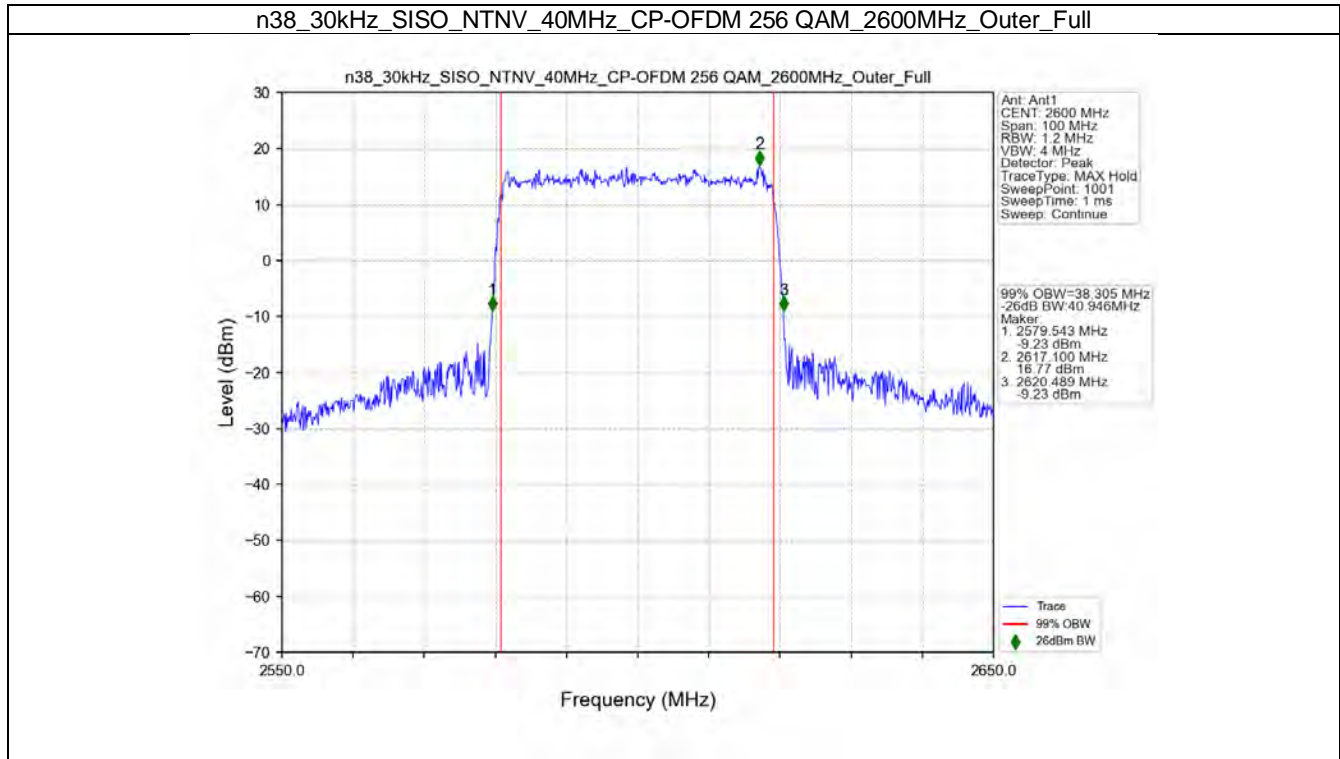


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 109 of 488



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

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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 110 of 488

## 4. Peak-Average Ratio

### 4.1 30k\_SISO\_20MHz\_NTNV

#### 4.1.1 Test Result

5G NR n38 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)			Limit	Verdict
			Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	8.01	/	/	<=13	Pass
	2595	Outer_Full	8.15	/	/	<=13	Pass
	2610	Outer_Full	7.91	/	/	<=13	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	8.45	/	/	<=13	Pass
	2595	Outer_Full	9.03	/	/	<=13	Pass
	2610	Outer_Full	9.06	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	10.38	/	/	<=13	Pass
	2595	Outer_Full	9.74	/	/	<=13	Pass
	2610	Outer_Full	9.29	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	9.70	/	/	<=13	Pass
	2595	Outer_Full	9.62	/	/	<=13	Pass
	2610	Outer_Full	9.65	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	10.31	/	/	<=13	Pass
	2595	Outer_Full	9.63	/	/	<=13	Pass
	2610	Outer_Full	9.65	/	/	<=13	Pass
CP-OFDM QPSK	2580	Outer_Full	9.99	/	/	<=13	Pass
	2595	Outer_Full	10.89	/	/	<=13	Pass
	2610	Outer_Full	9.70	/	/	<=13	Pass
CP-OFDM 16 QAM	2580	Outer_Full	11.23	/	/	<=13	Pass
	2595	Outer_Full	10.76	/	/	<=13	Pass
	2610	Outer_Full	9.59	/	/	<=13	Pass
CP-OFDM 64 QAM	2580	Outer_Full	11.41	/	/	<=13	Pass
	2595	Outer_Full	10.63	/	/	<=13	Pass
	2610	Outer_Full	9.78	/	/	<=13	Pass
CP-OFDM 256 QAM	2580	Outer_Full	11.65	/	/	<=13	Pass
	2595	Outer_Full	12.15	/	/	<=13	Pass
	2610	Outer_Full	11.69	/	/	<=13	Pass



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

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

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



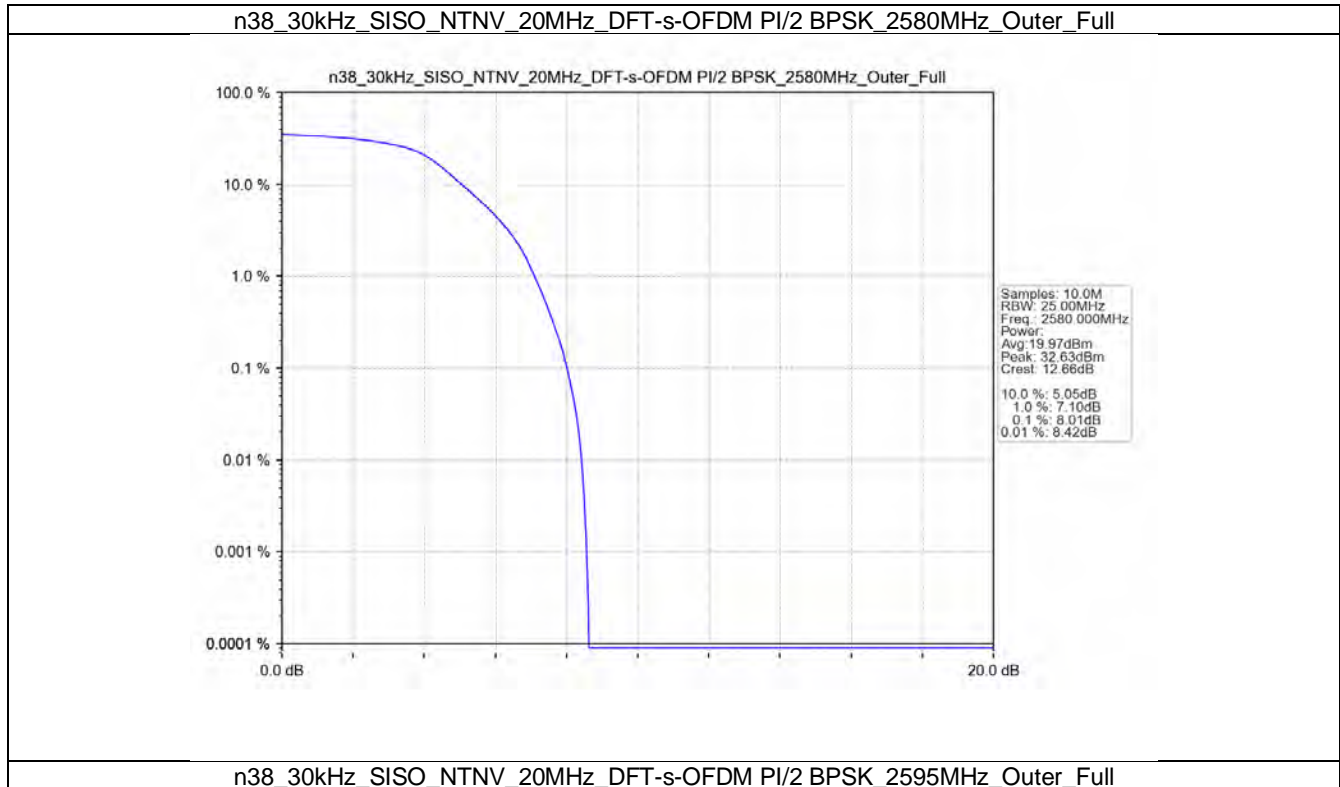
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 111 of 488

4.1.2 Test Graph



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

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

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

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

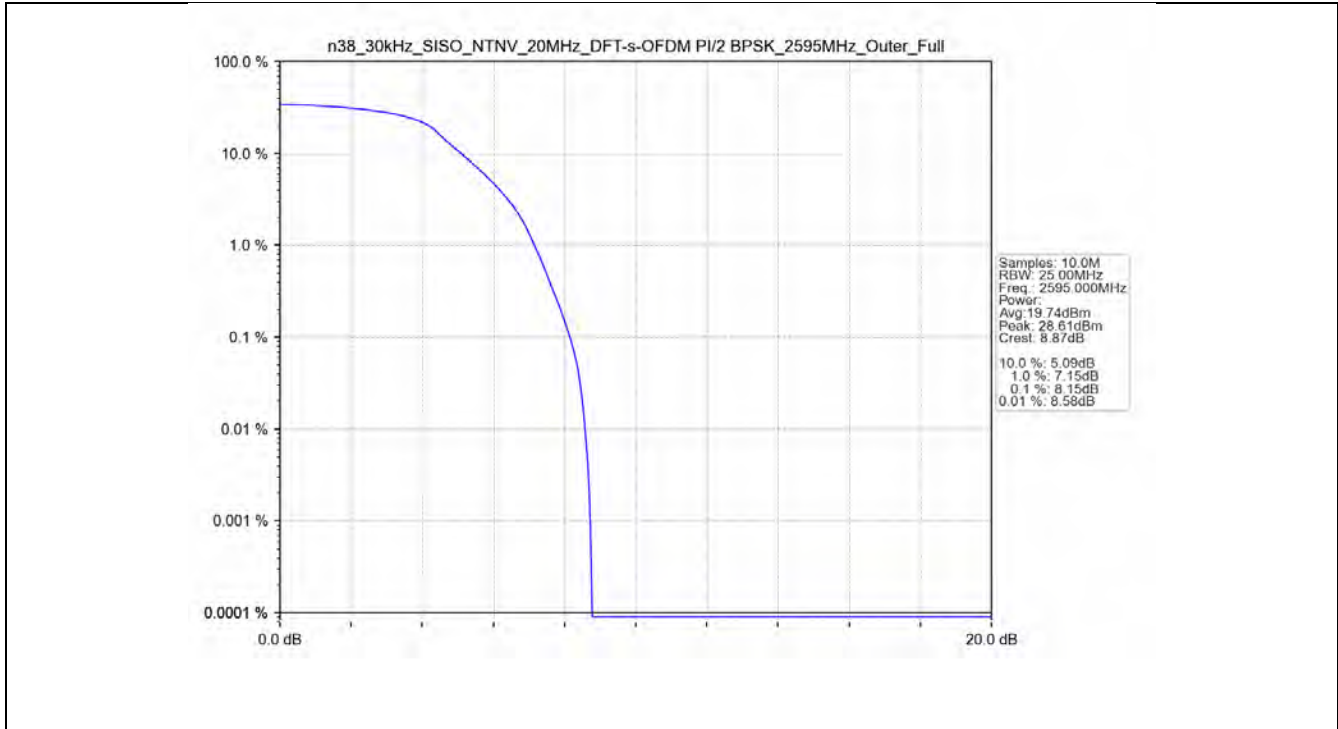


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 112 of 488



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

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

SGS-CSTC Standards Technical Services Co., Ltd.  
 Shenzhen Branch Inspection & Testing Services  
 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.ssgroup.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



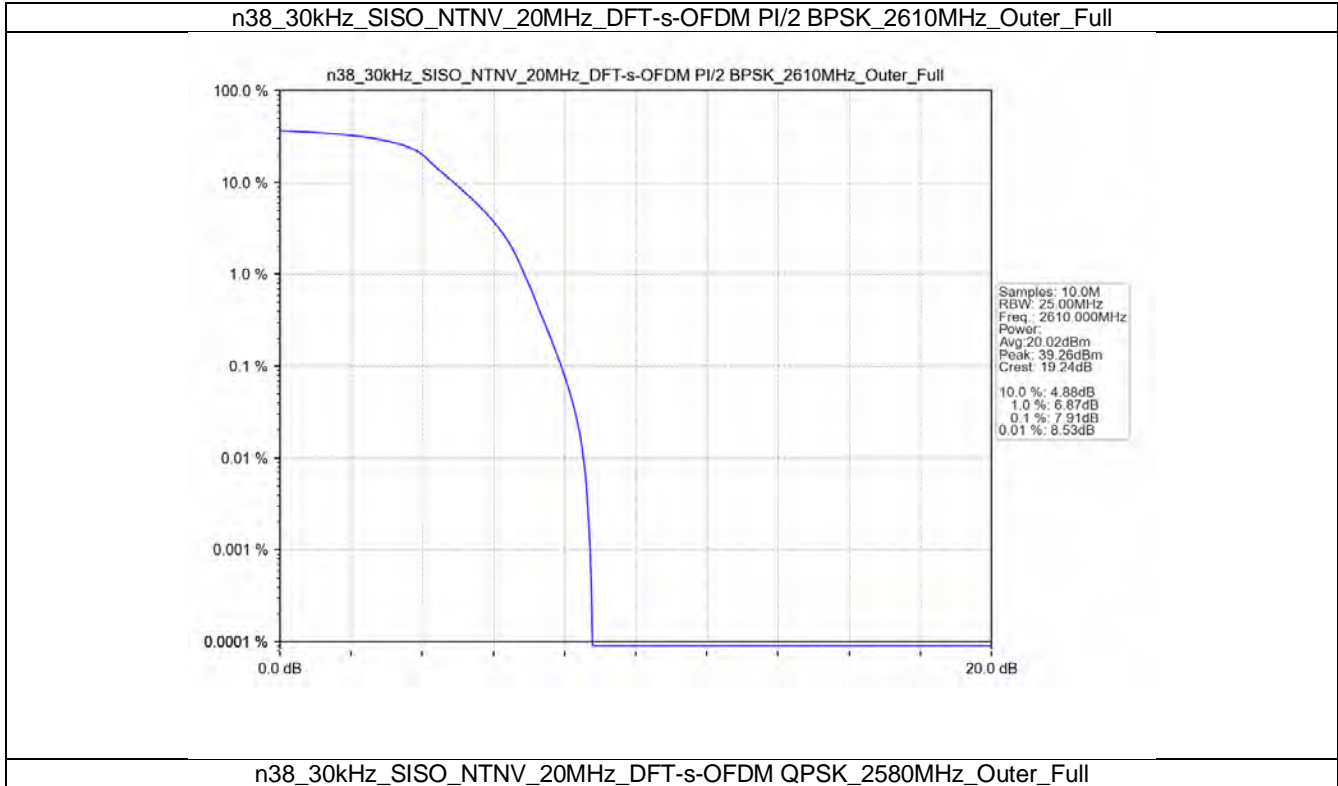


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 113 of 488



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

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

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, Inspection & Testing Services  
Shenzhen Branch, Inspection & Testing Services Laboratory

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

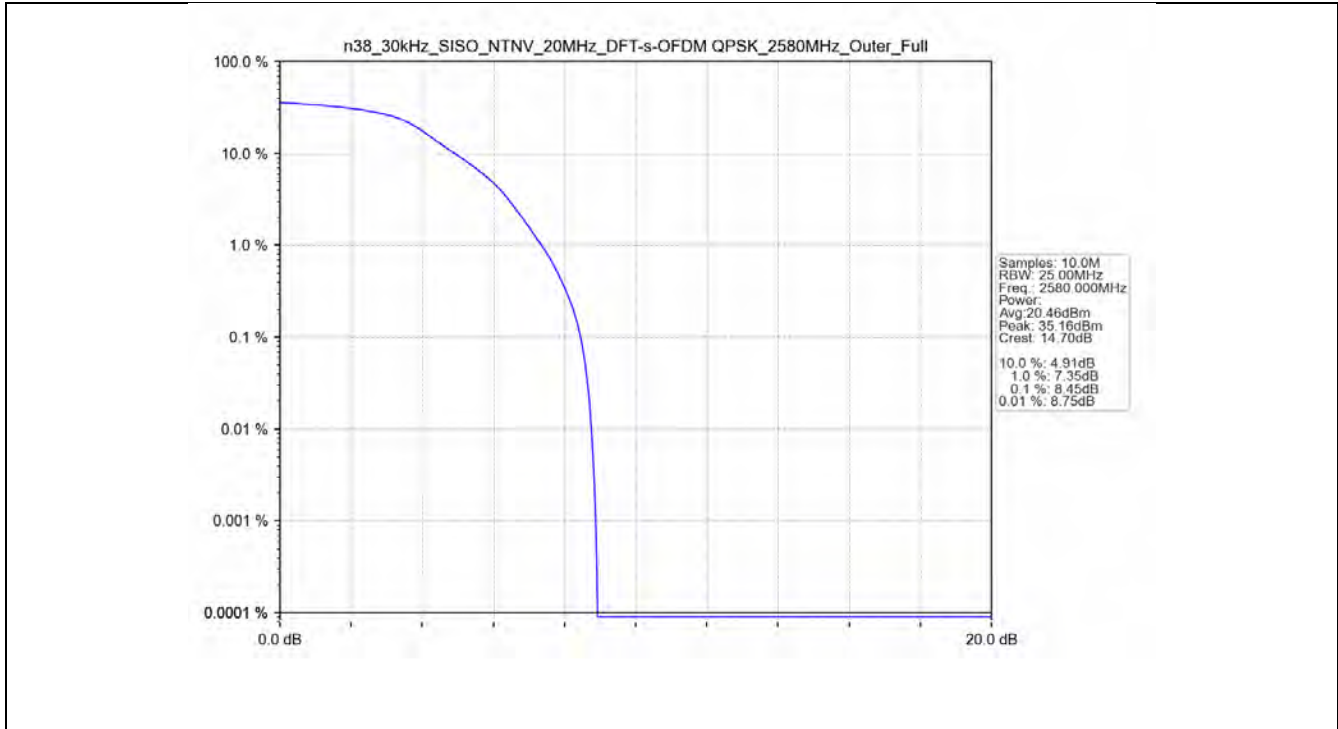


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 114 of 488



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

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

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

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

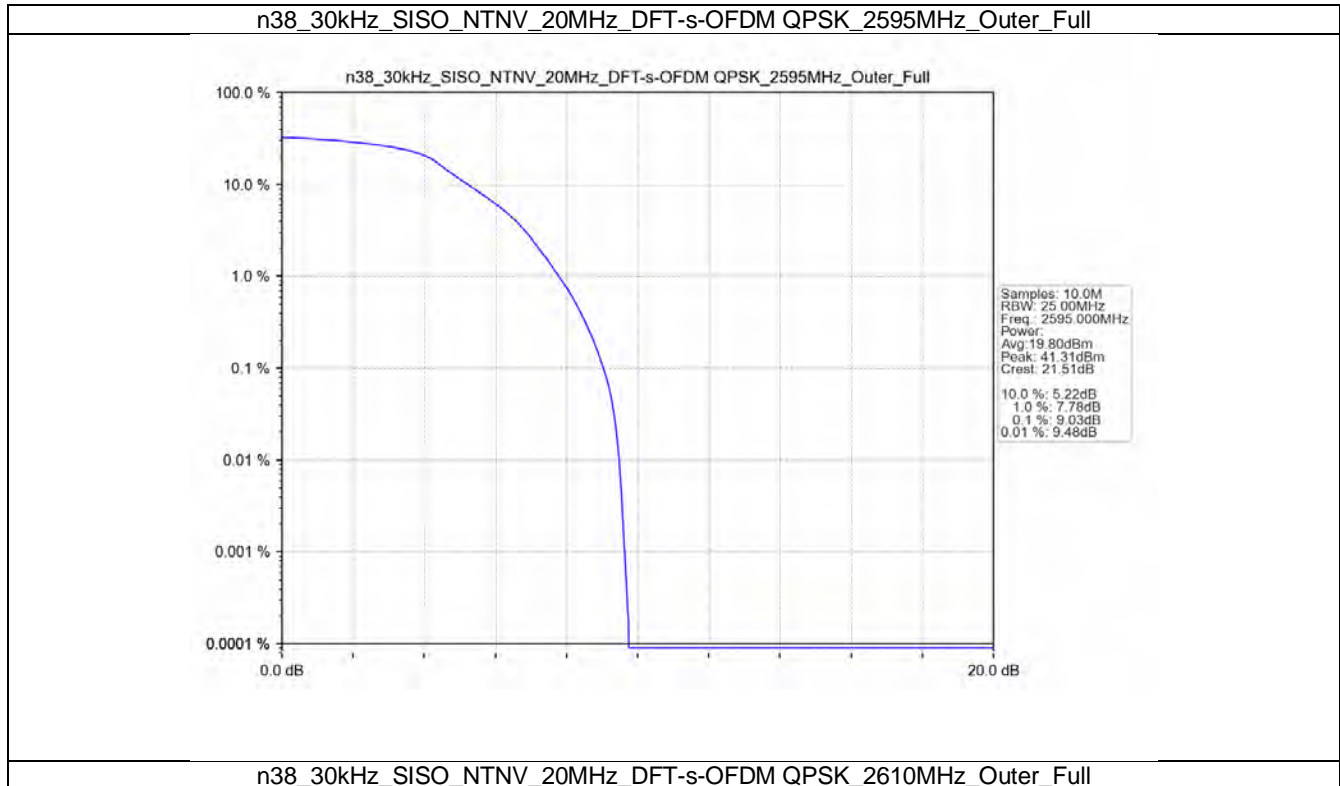


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 115 of 488



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

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

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

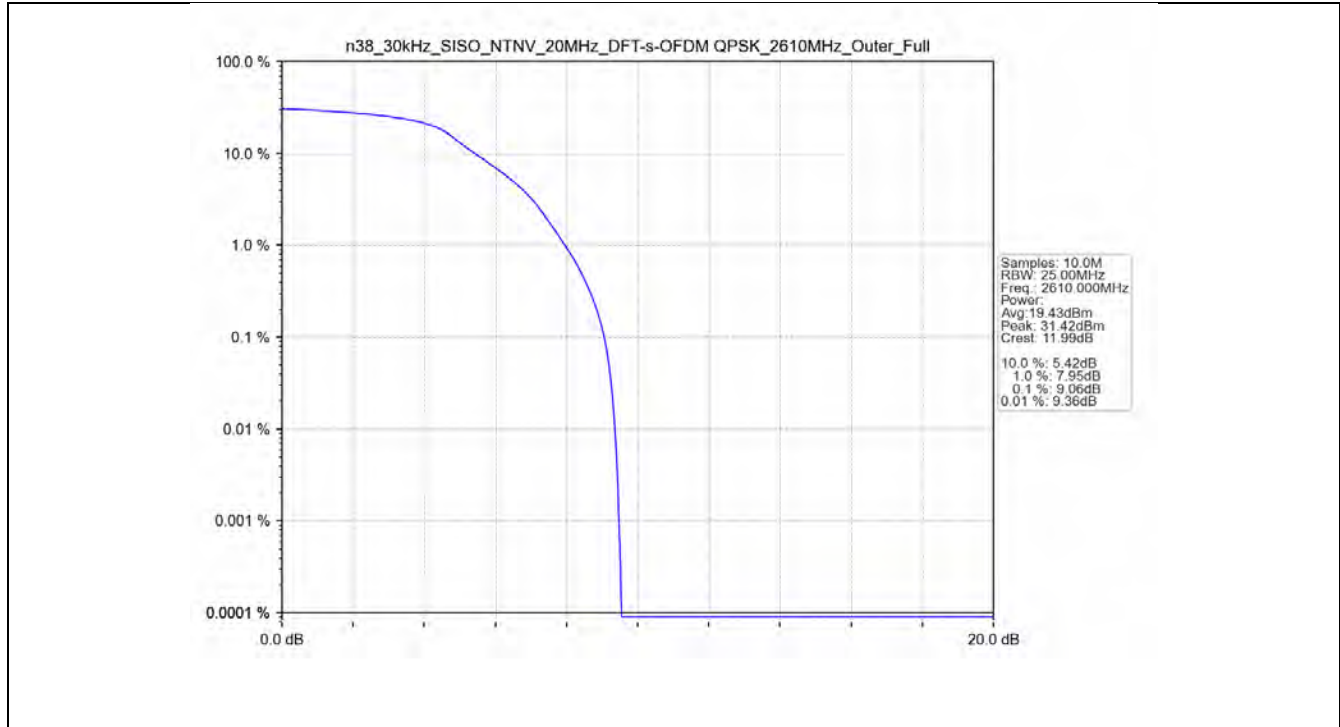


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 116 of 488



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

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

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

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



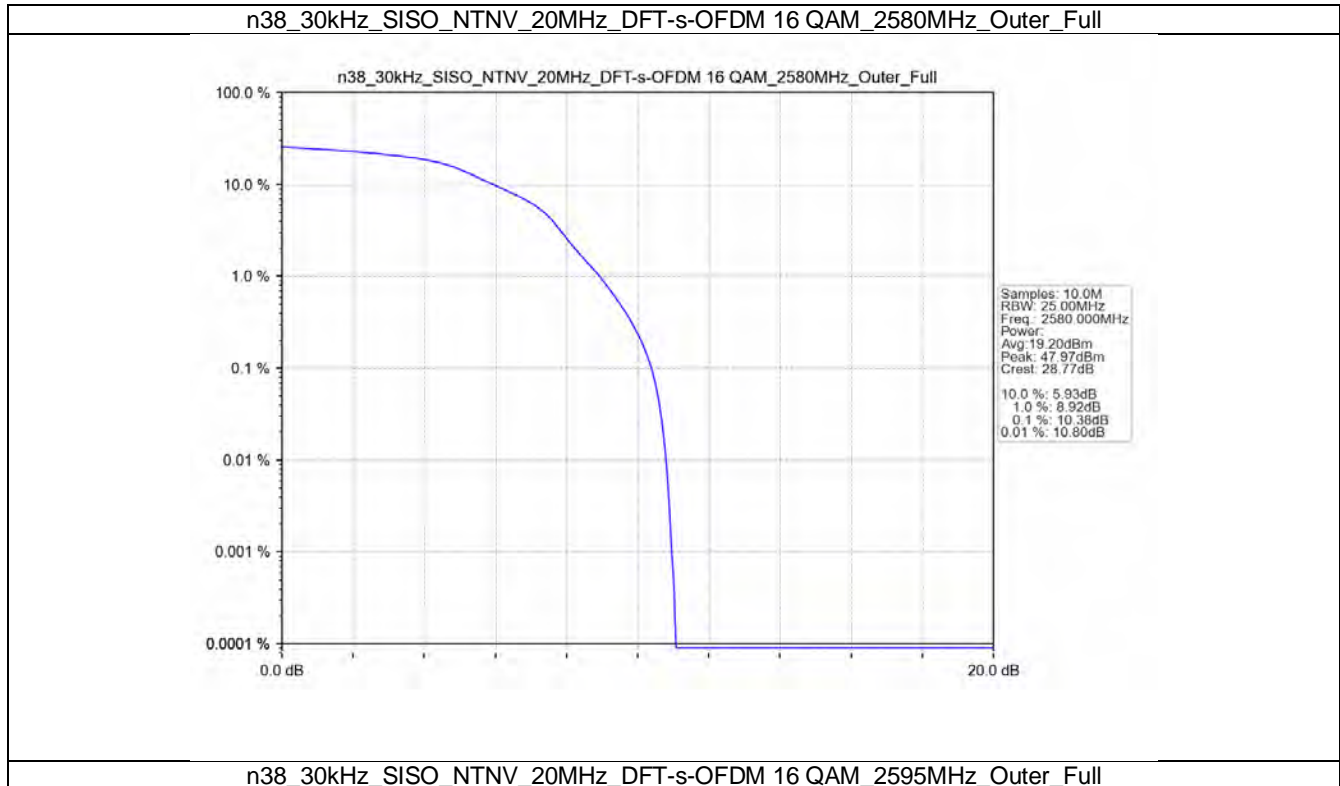


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 117 of 488



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

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

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

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

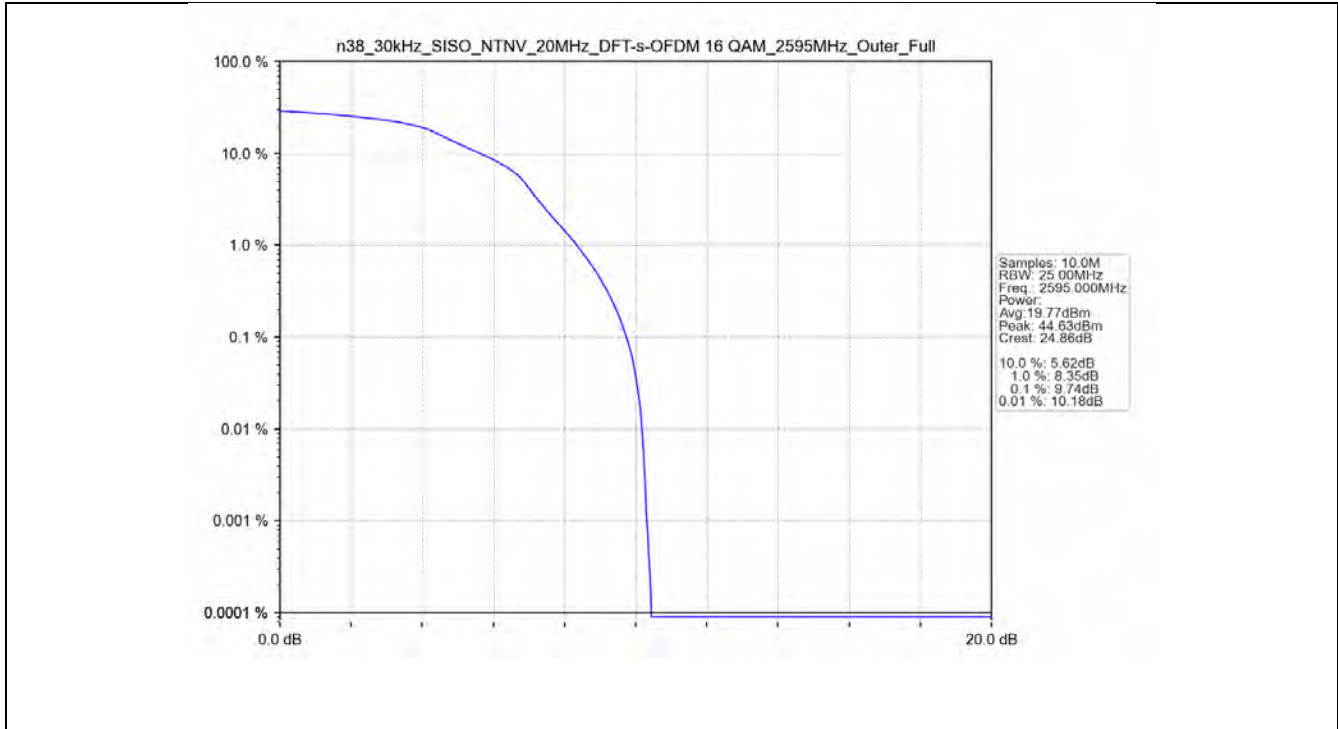


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 118 of 488



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

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

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

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



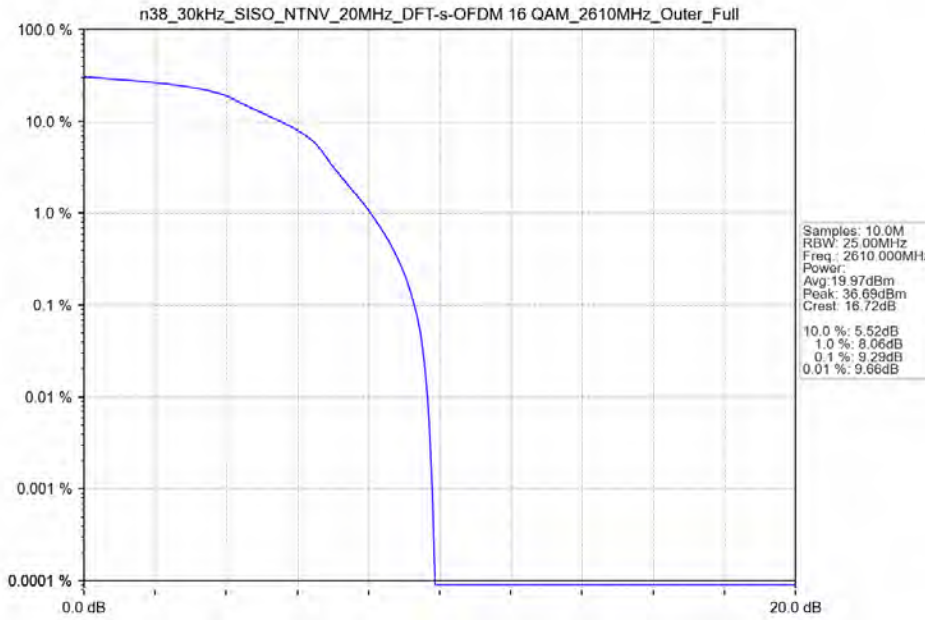
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 119 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_2610MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_2580MHz\_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

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

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

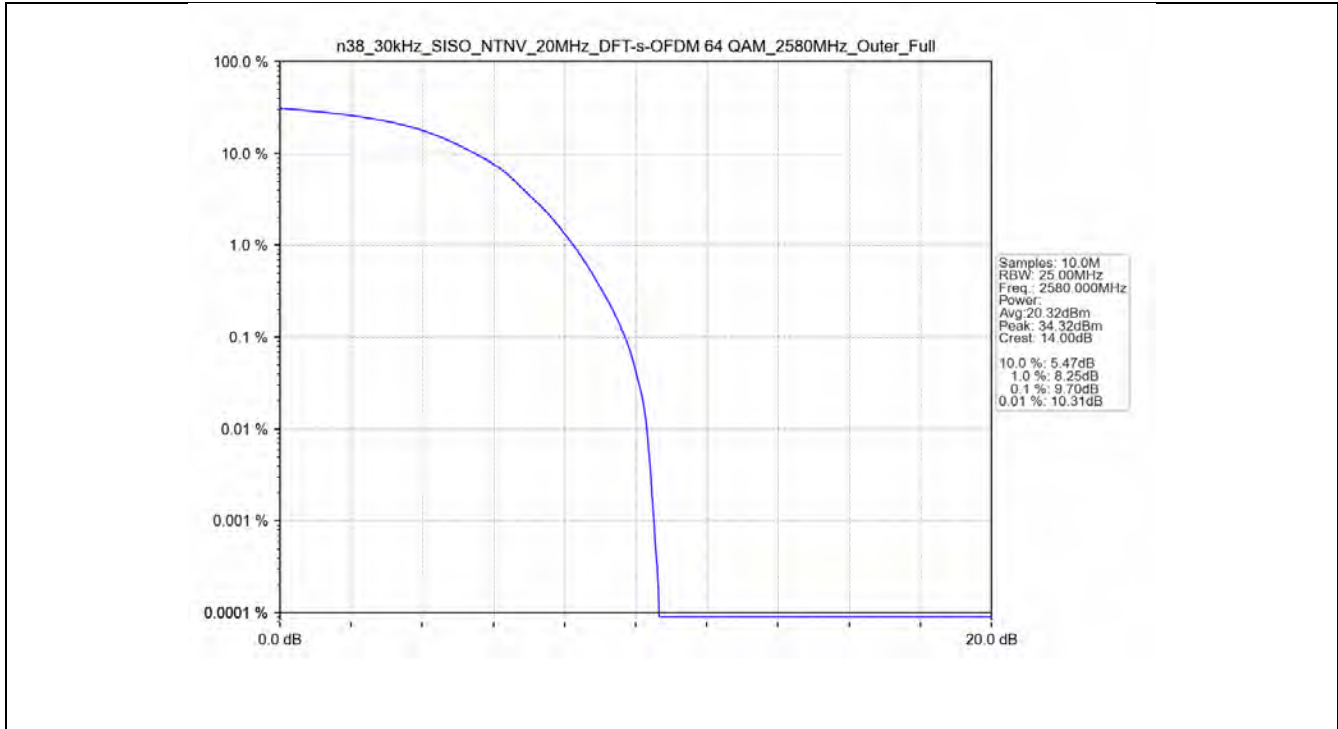


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 120 of 488



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

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

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

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



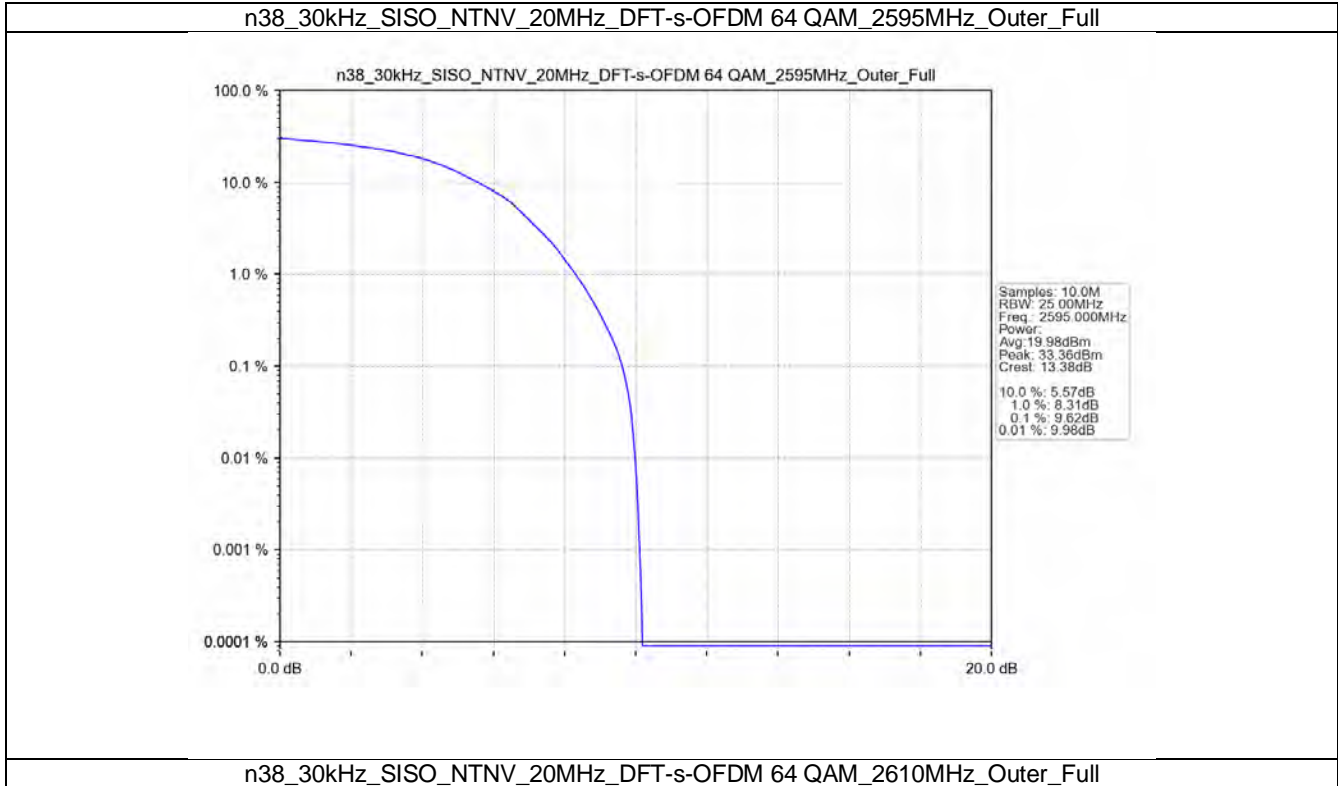


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 121 of 488



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

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

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

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

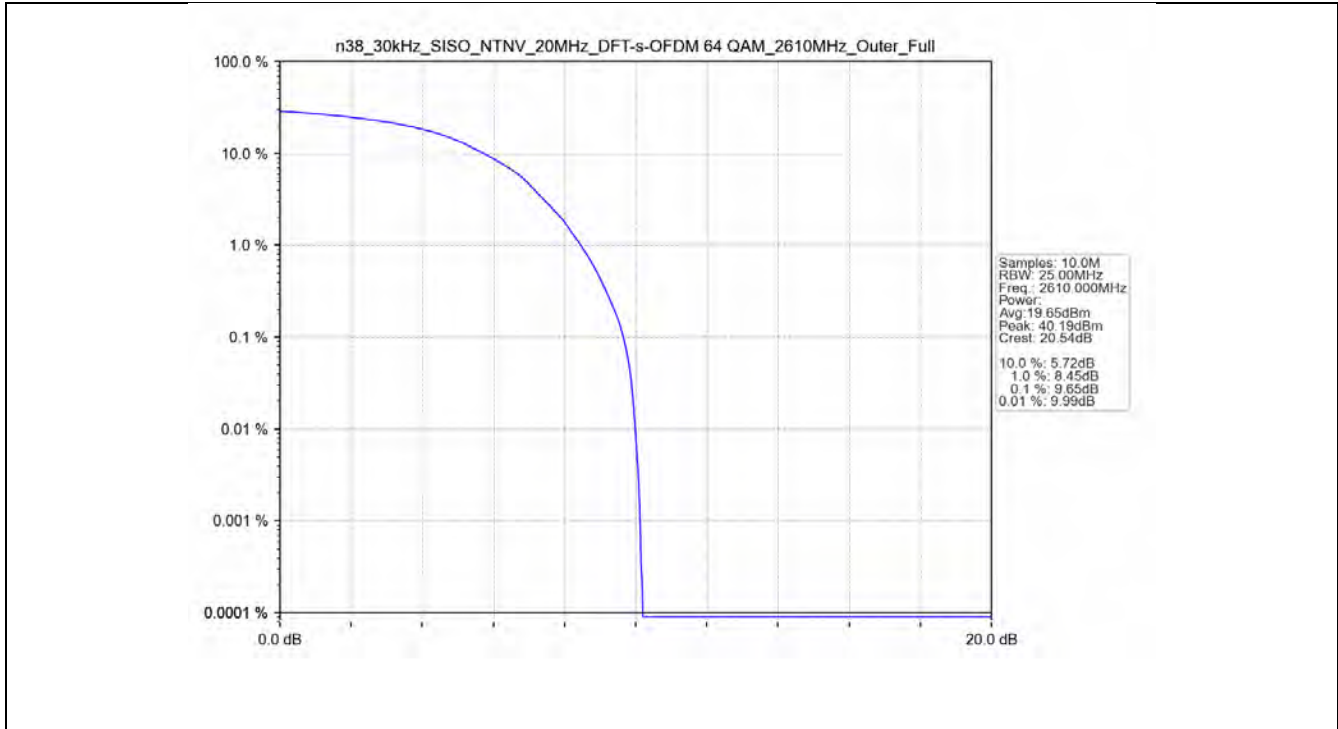


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 122 of 488



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

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

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

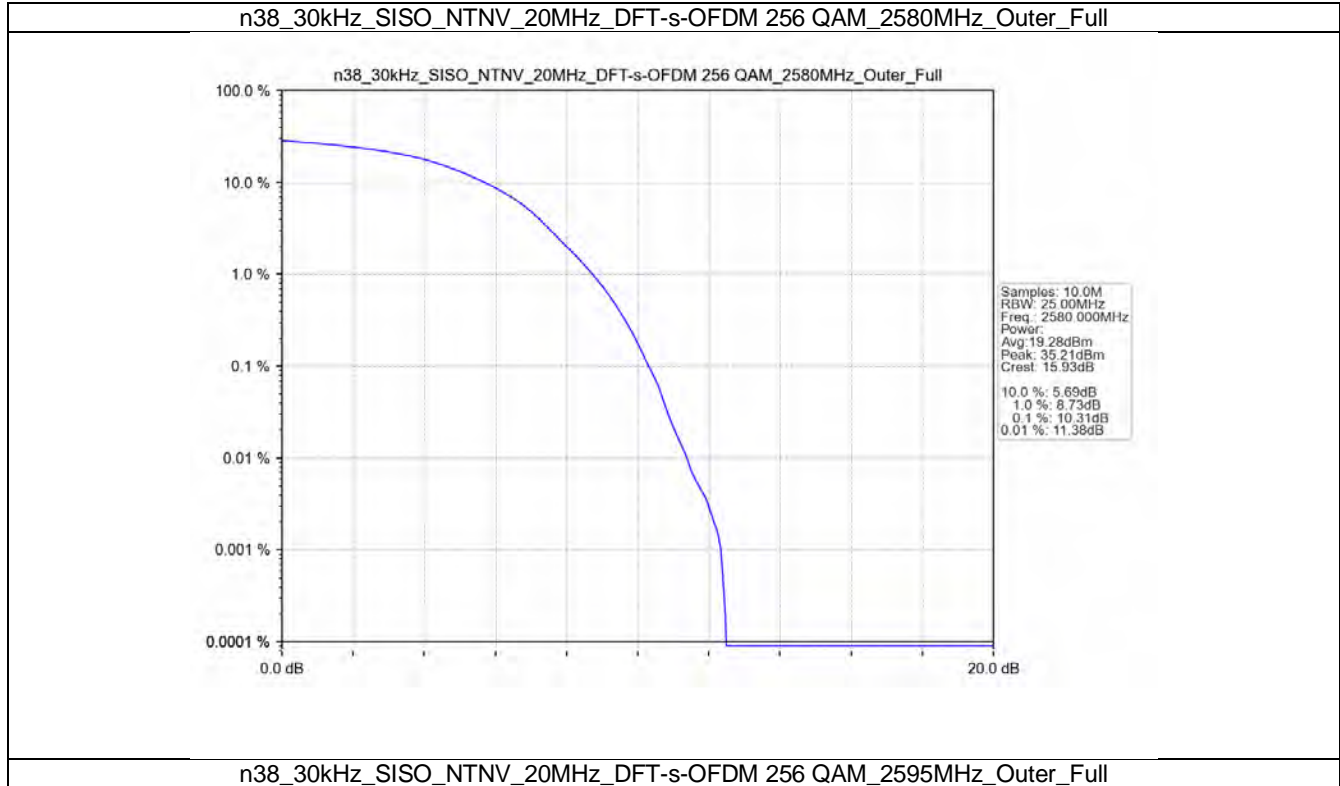
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn  
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

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

Report No.: SZCR240100038409

Rev.: 01

Page: 123 of 488



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

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

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

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

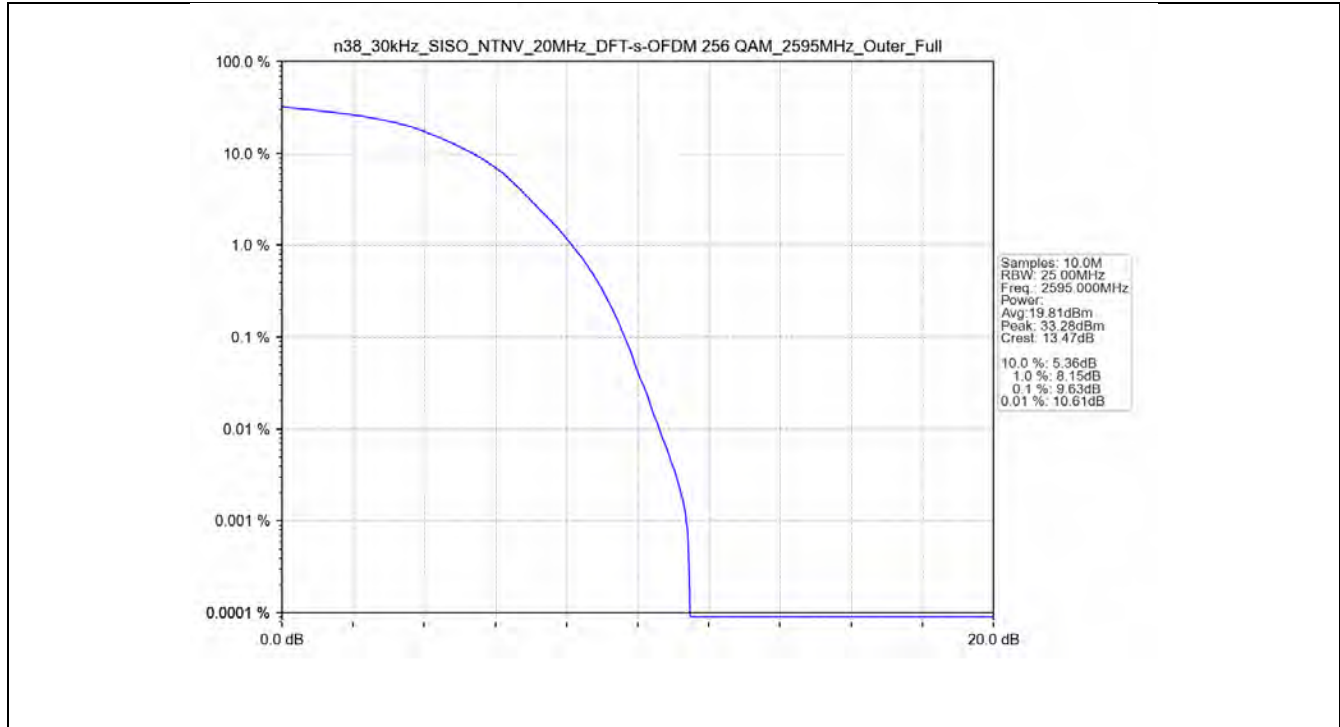


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 124 of 488



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

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

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

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



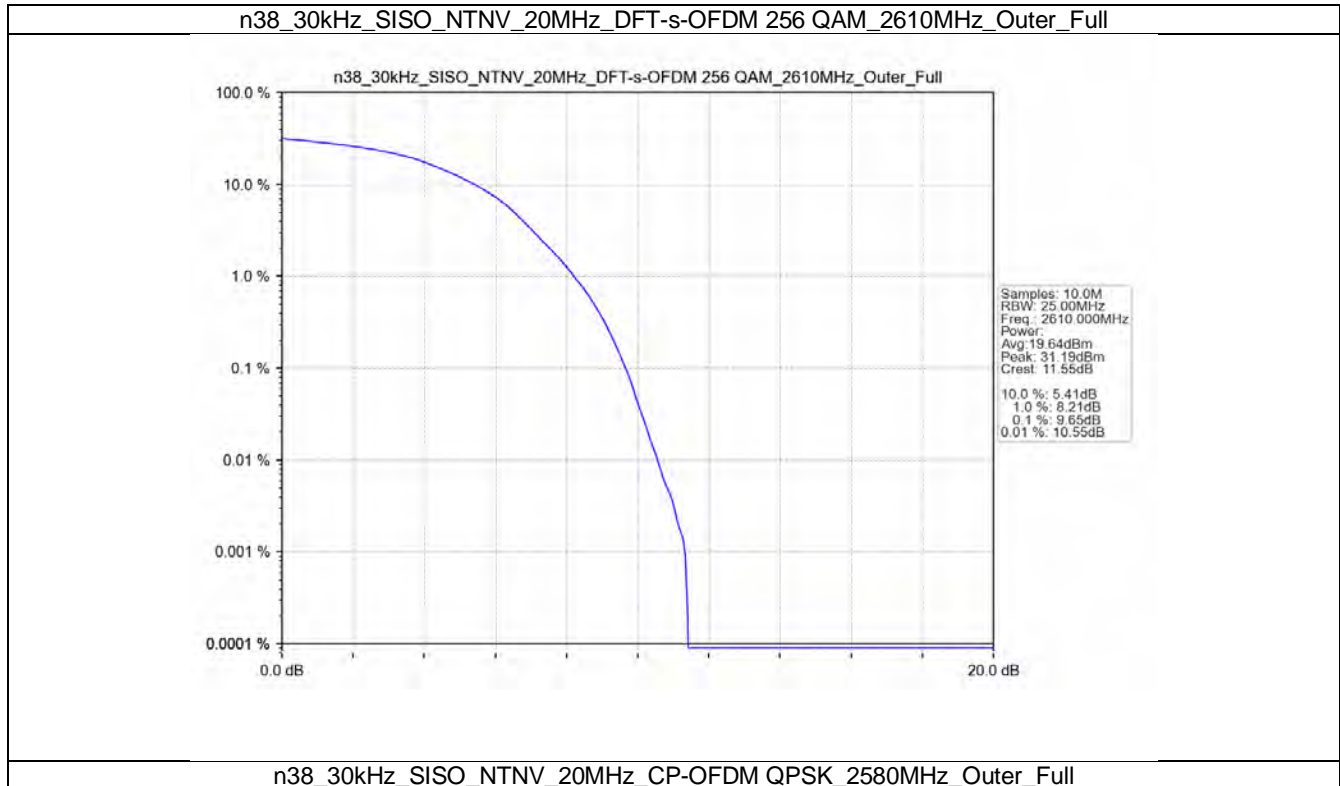


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 125 of 488



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

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

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

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

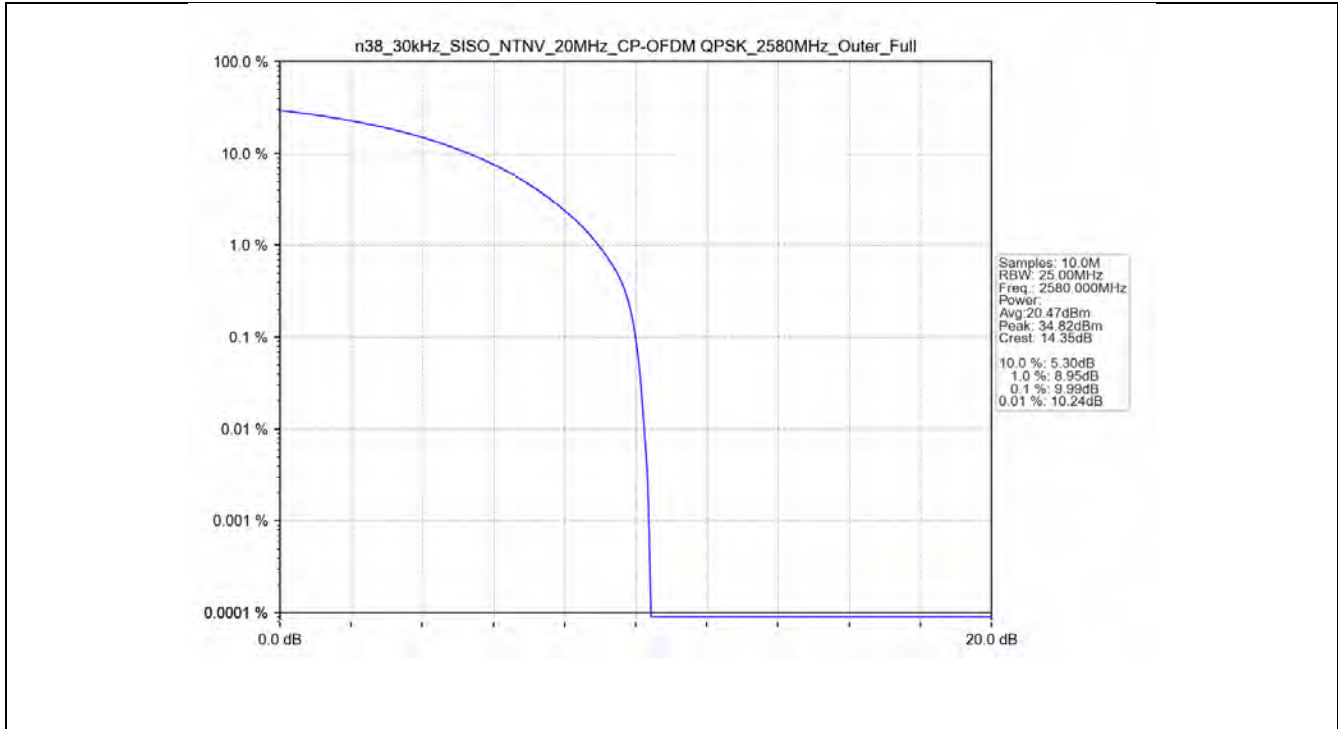


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 126 of 488



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

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

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

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

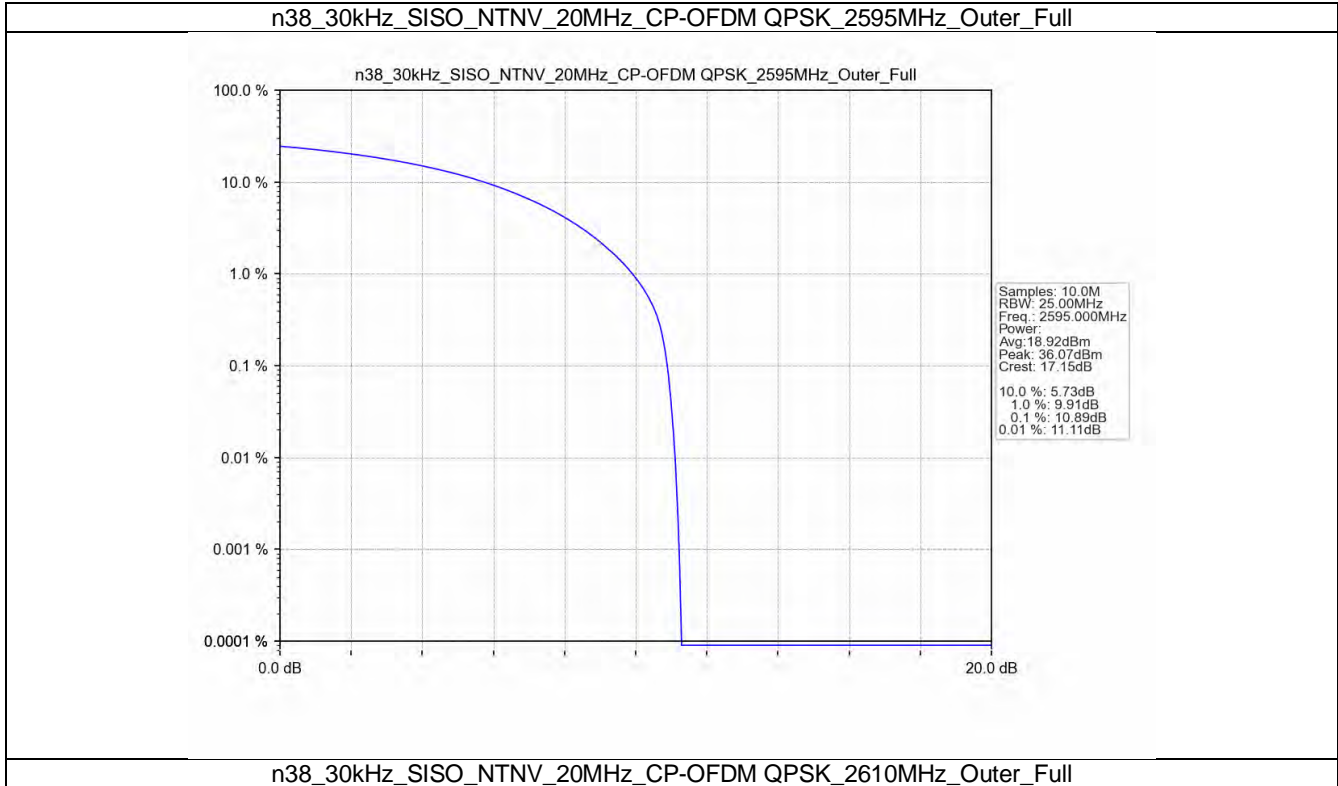


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 127 of 488



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

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

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

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

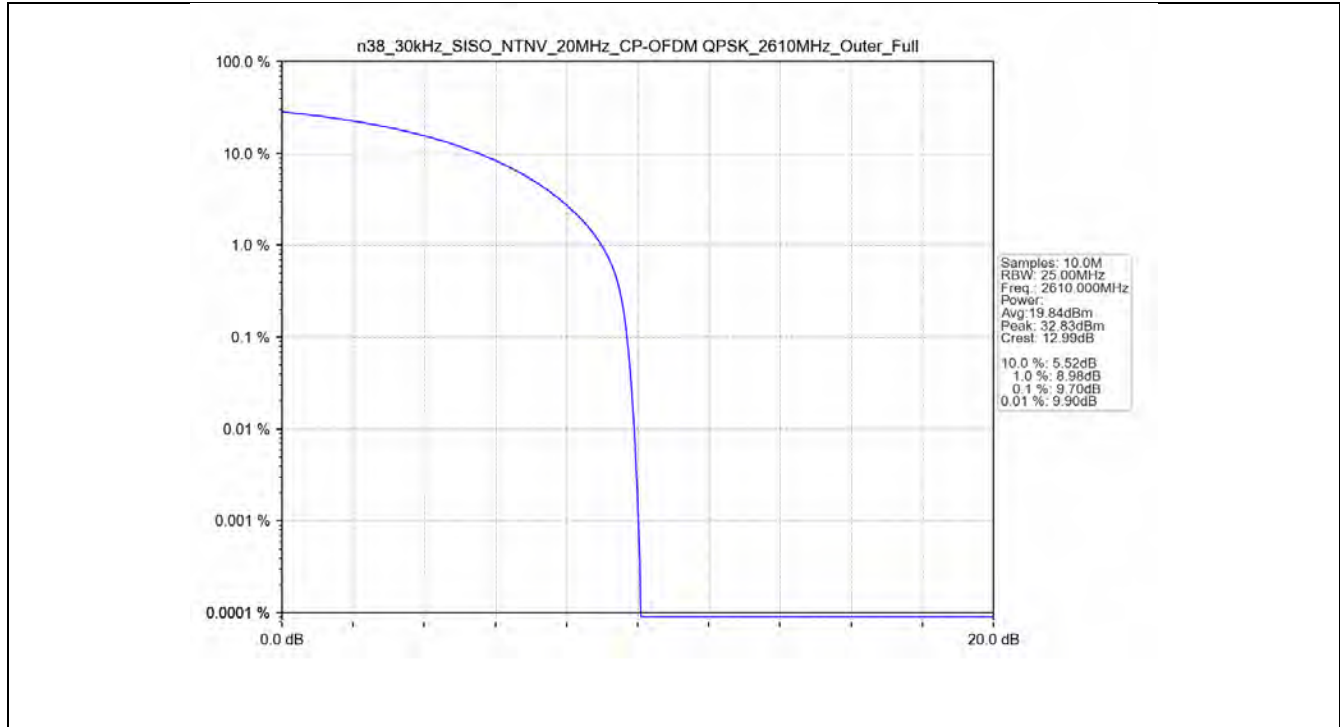


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 128 of 488



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

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

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

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





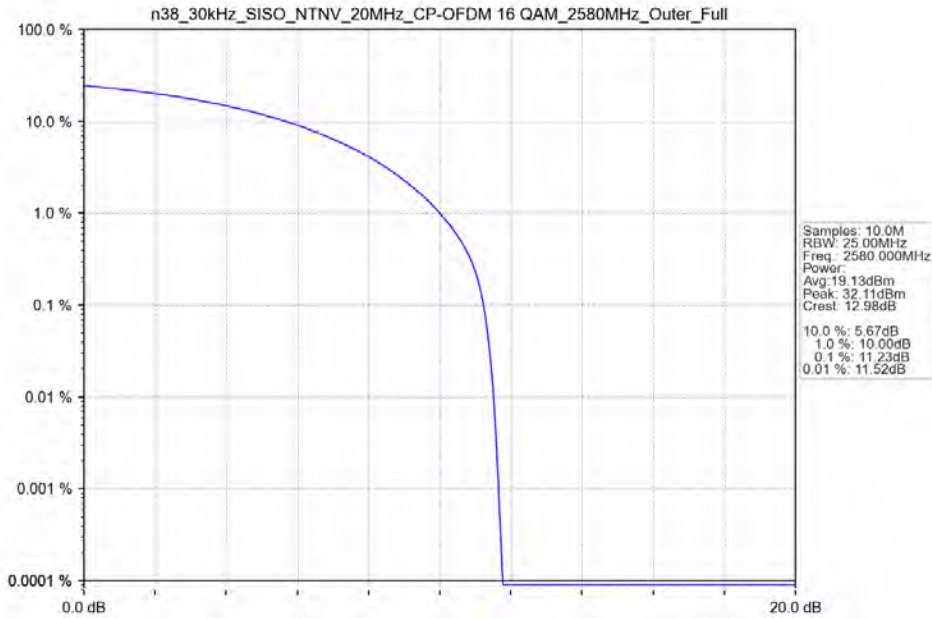
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 129 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_2580MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_2595MHz\_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

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

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

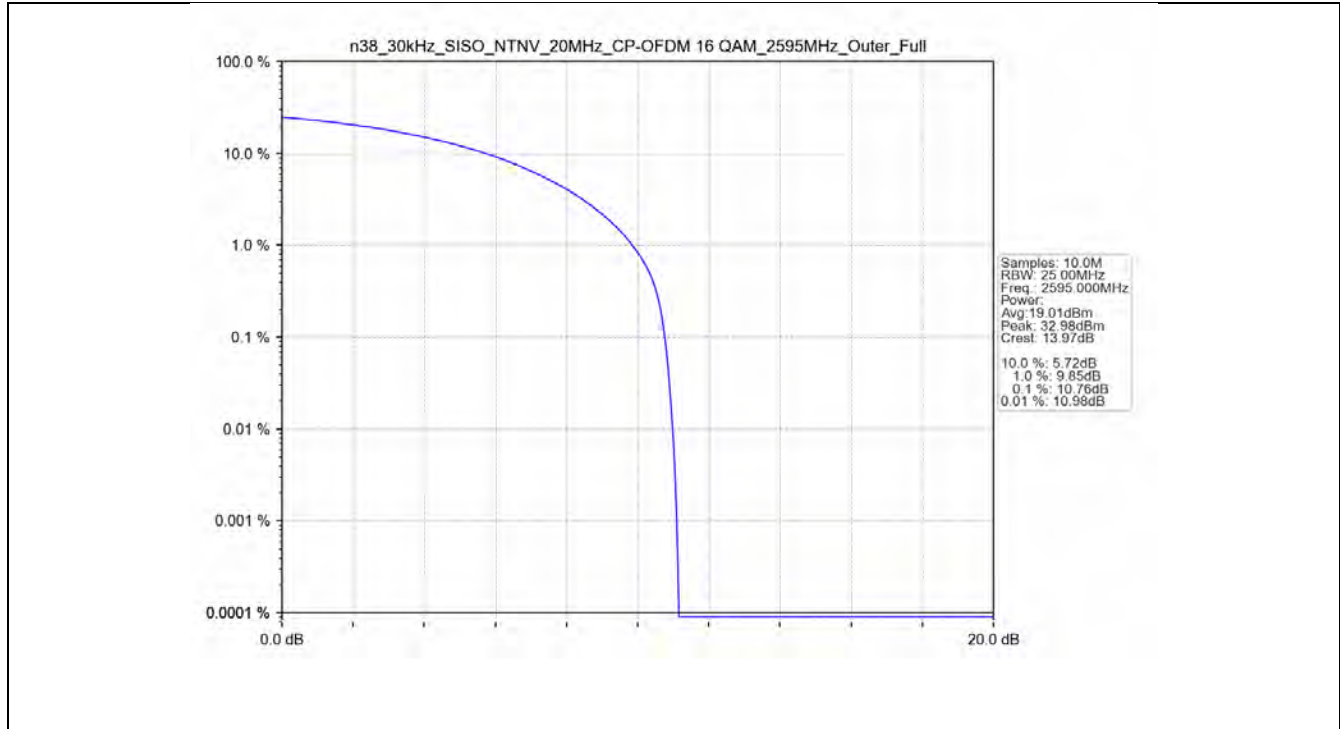


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 130 of 488



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

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

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

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



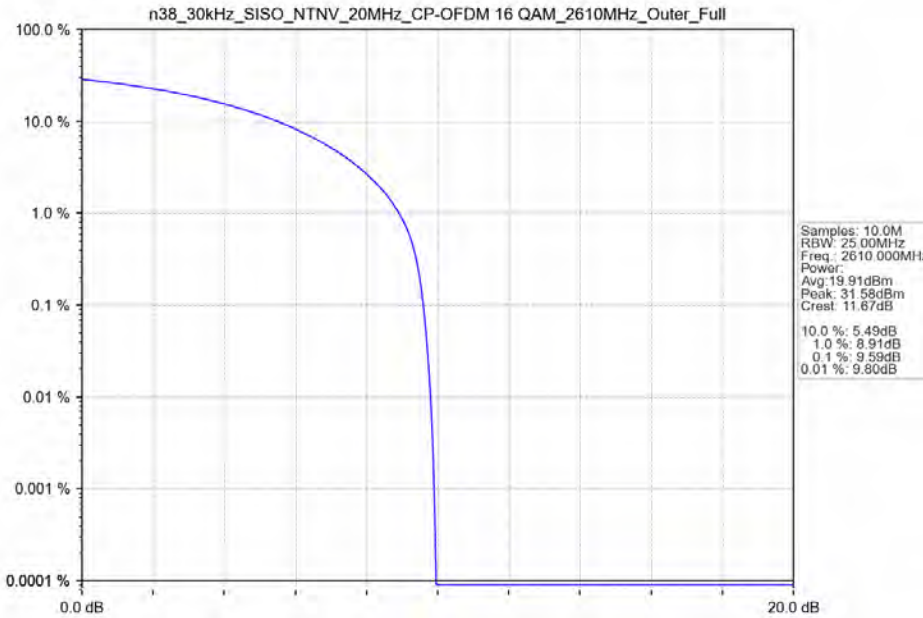
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 131 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_2610MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_2580MHz\_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

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

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

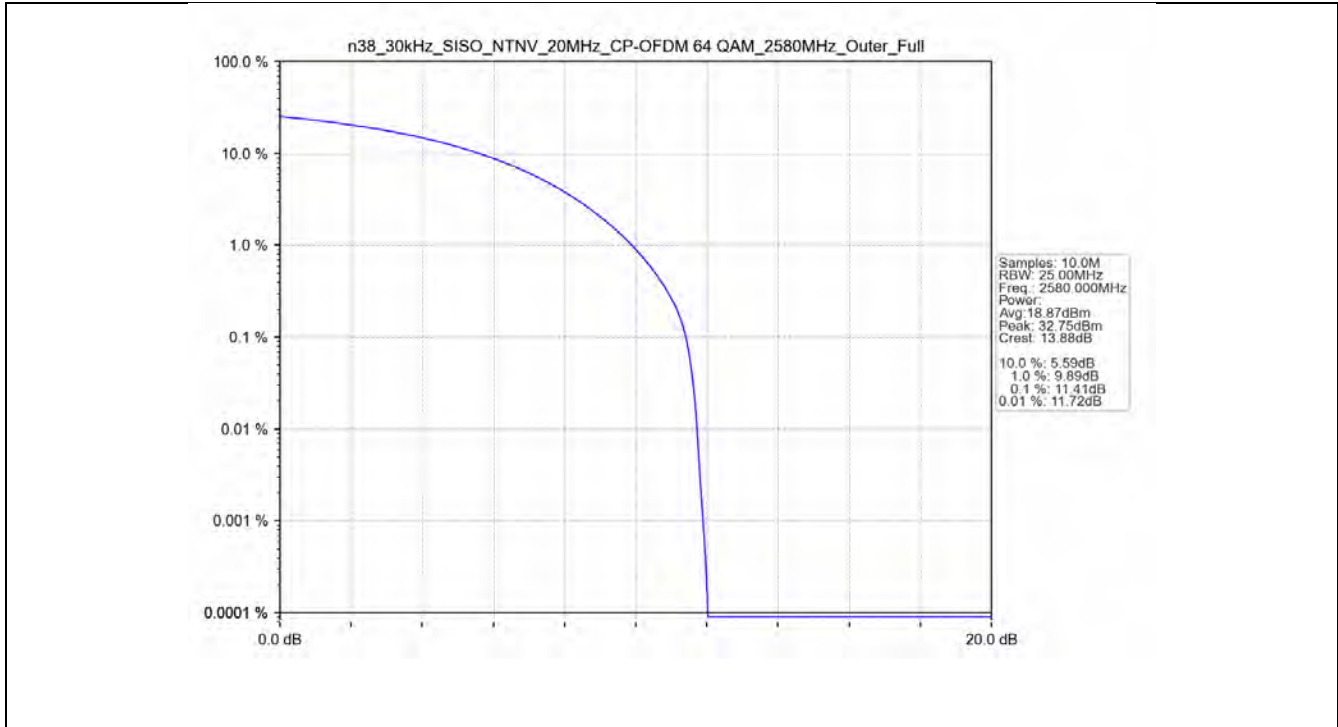


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 132 of 488



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

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

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

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



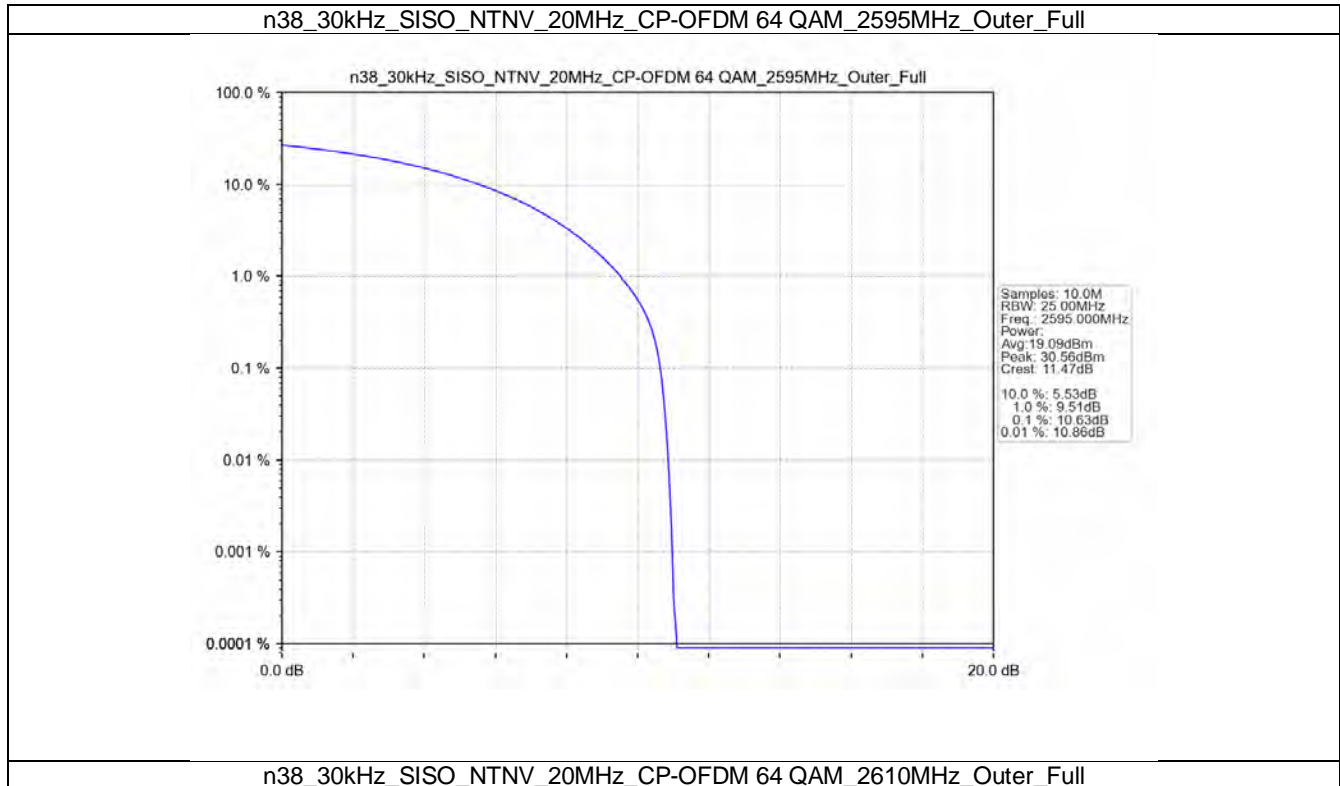


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 133 of 488



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

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

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

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

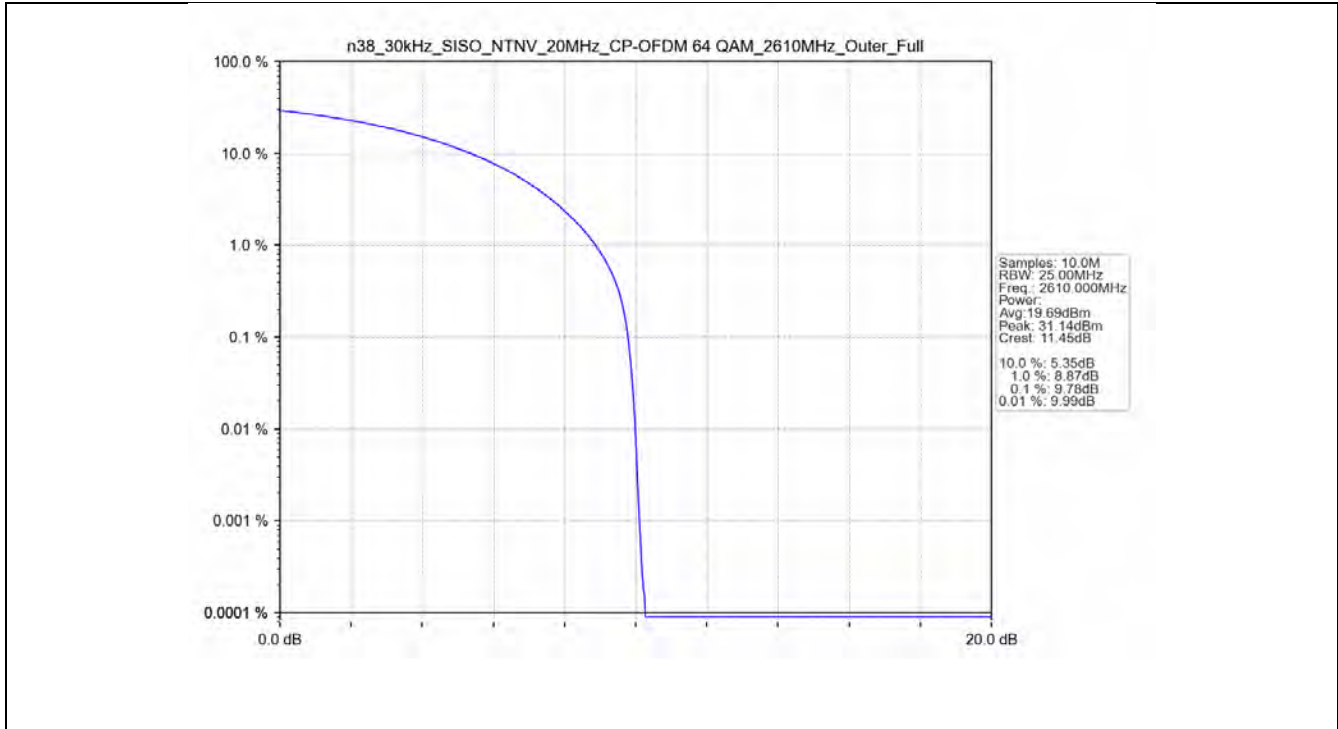


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 134 of 488



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

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

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

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



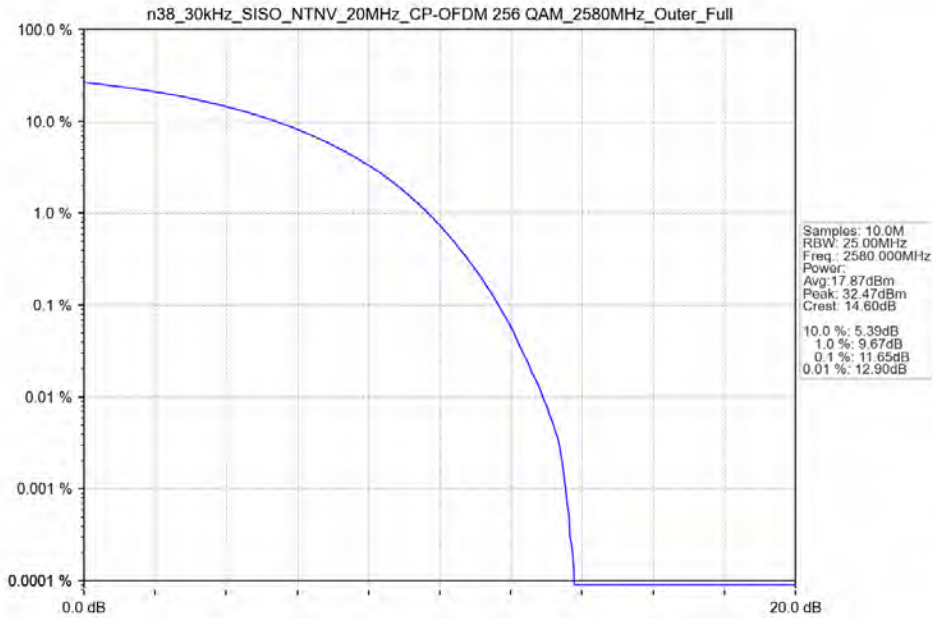
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 135 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_2580MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_2595MHz\_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

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

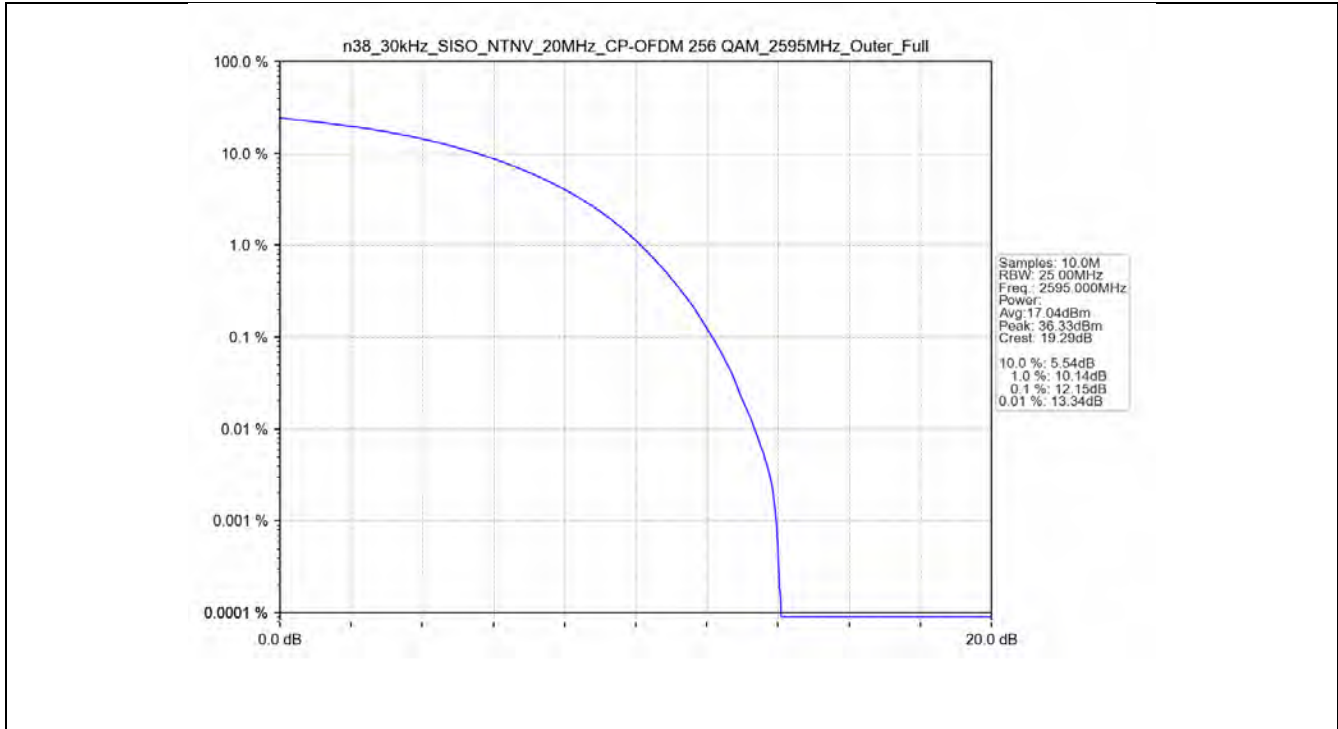


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 136 of 488



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

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

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

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





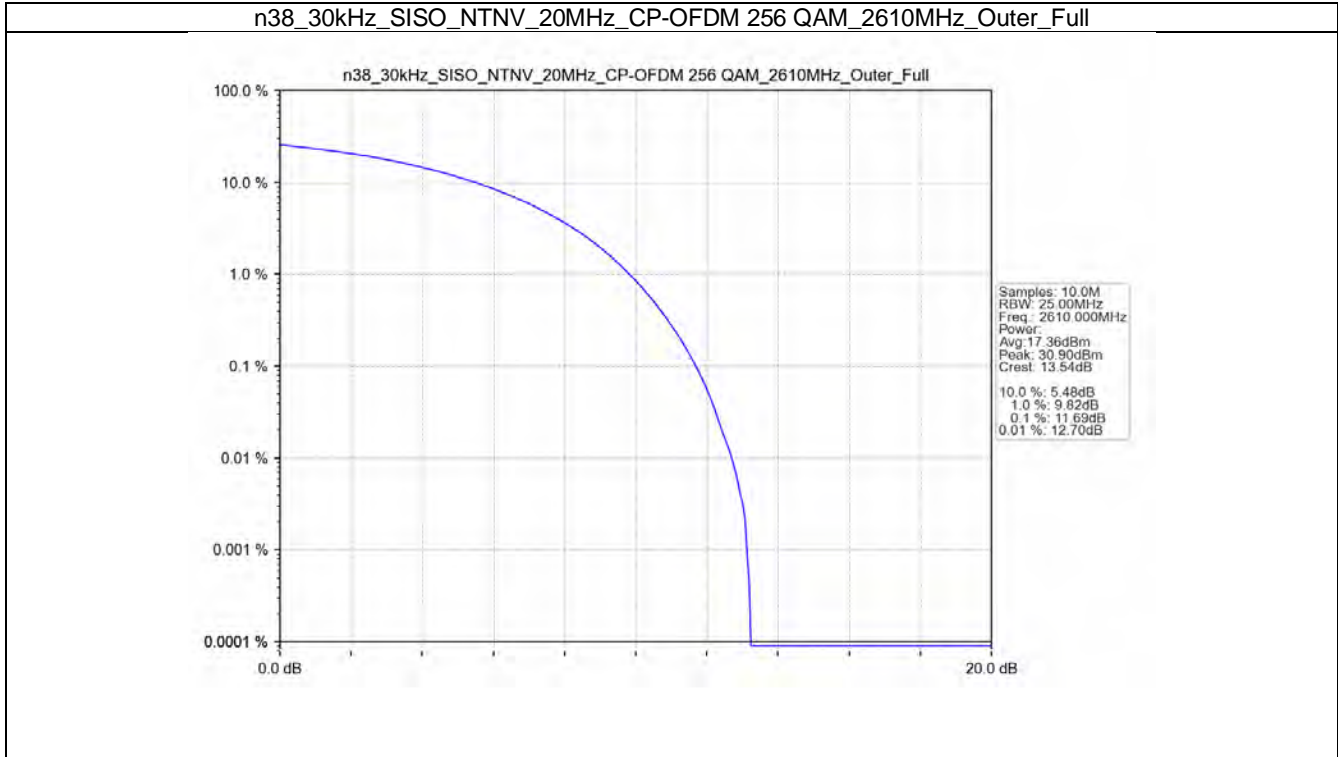
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 137 of 488

n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_2610MHz\_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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 138 of 488

## 4.2 30k\_SISO\_30MHz\_NTNV

### 4.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz NNTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	8.65	/	/	<=13	Pass
	2595	Outer_Full	7.32	/	/	<=13	Pass
	2605	Outer_Full	8.03	/	/	<=13	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	9.50	/	/	<=13	Pass
	2595	Outer_Full	8.35	/	/	<=13	Pass
	2605	Outer_Full	8.55	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	10.06	/	/	<=13	Pass
	2595	Outer_Full	9.50	/	/	<=13	Pass
	2605	Outer_Full	9.01	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	10.03	/	/	<=13	Pass
	2595	Outer_Full	9.93	/	/	<=13	Pass
	2605	Outer_Full	9.67	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	10.02	/	/	<=13	Pass
	2595	Outer_Full	9.98	/	/	<=13	Pass
	2605	Outer_Full	10.31	/	/	<=13	Pass
CP-OFDM QPSK	2585	Outer_Full	10.79	/	/	<=13	Pass
	2595	Outer_Full	10.27	/	/	<=13	Pass
	2605	Outer_Full	11.08	/	/	<=13	Pass
CP-OFDM 16 QAM	2585	Outer_Full	11.62	/	/	<=13	Pass
	2595	Outer_Full	10.64	/	/	<=13	Pass
	2605	Outer_Full	10.01	/	/	<=13	Pass
CP-OFDM 64 QAM	2585	Outer_Full	11.64	/	/	<=13	Pass
	2595	Outer_Full	10.98	/	/	<=13	Pass
	2605	Outer_Full	10.54	/	/	<=13	Pass
CP-OFDM 256 QAM	2585	Outer_Full	11.77	/	/	<=13	Pass
	2595	Outer_Full	11.51	/	/	<=13	Pass
	2605	Outer_Full	11.85	/	/	<=13	Pass



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

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

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



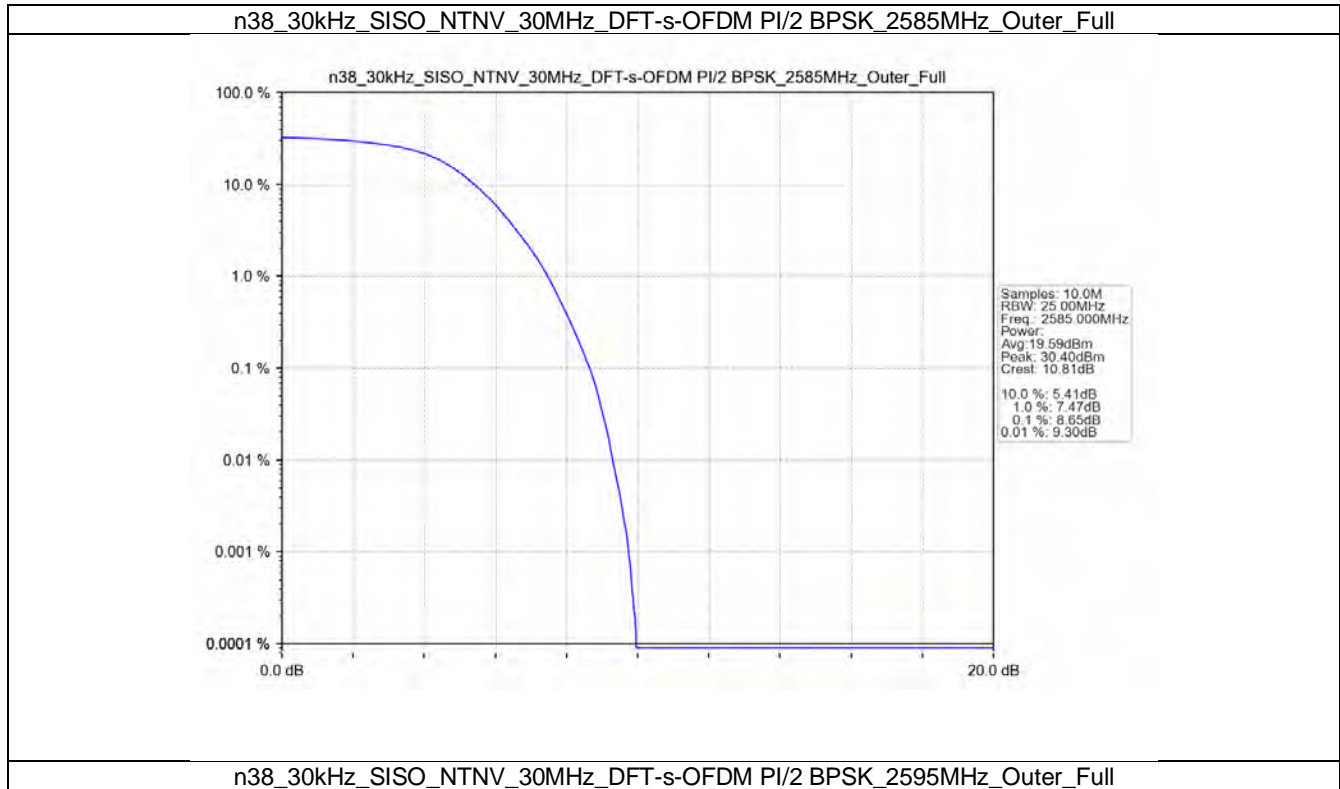
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 139 of 488

4.2.2 Test Graph



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

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

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

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

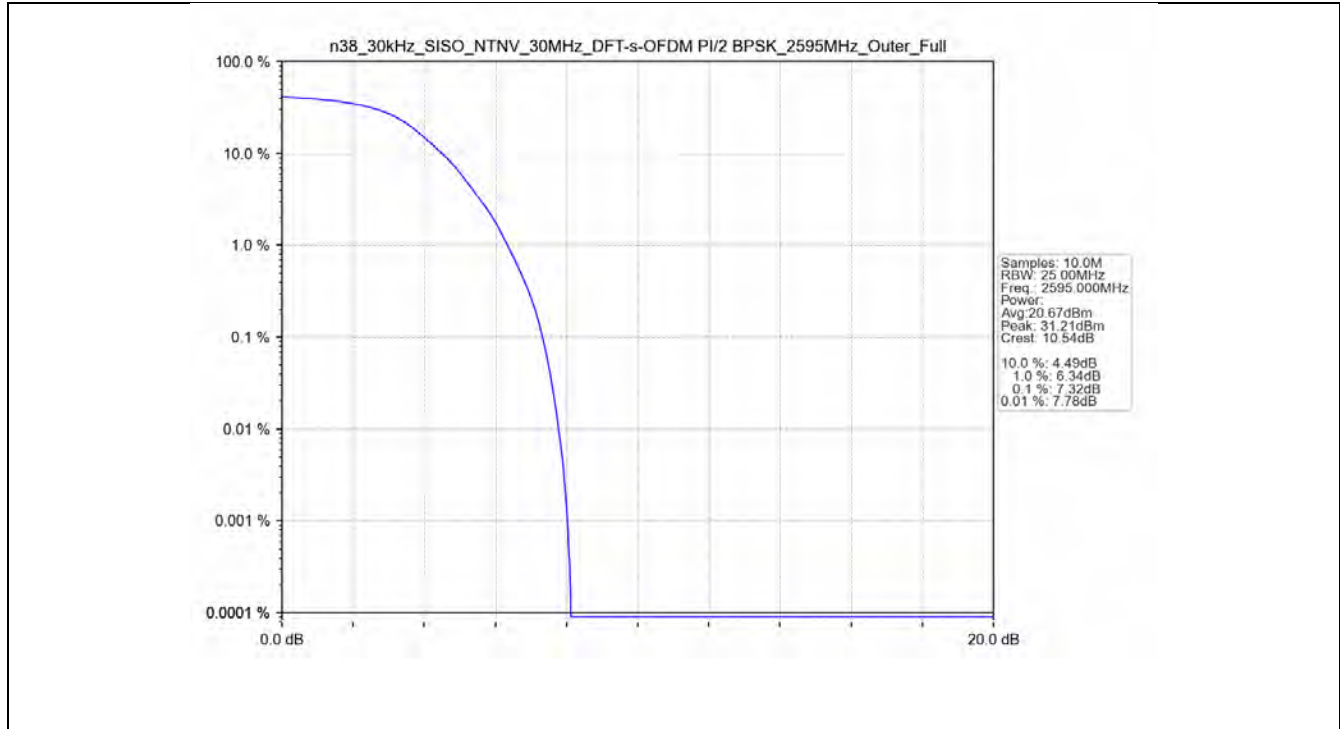


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 140 of 488



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

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

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

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

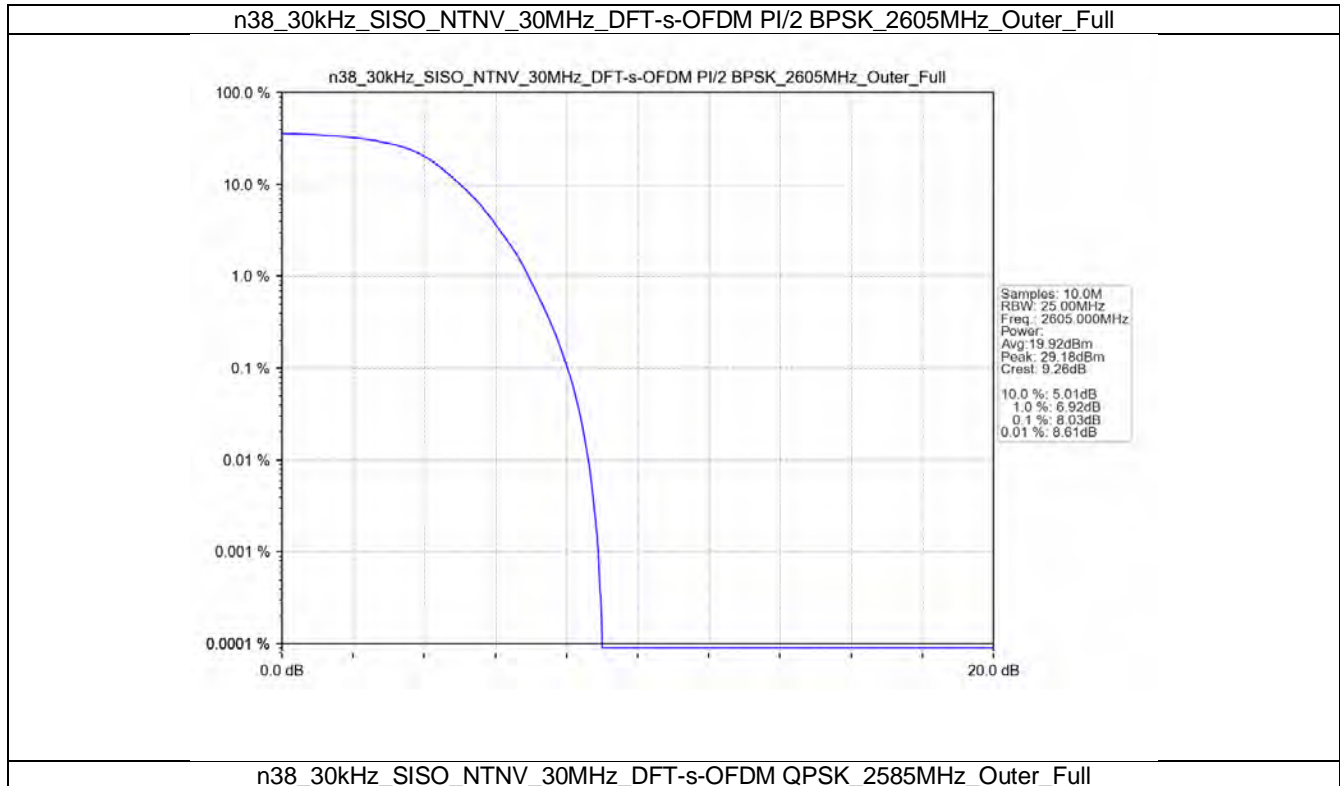


# SGS | SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZCR240100038409

Rev.: 01

Page: 141 of 488



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

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

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

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

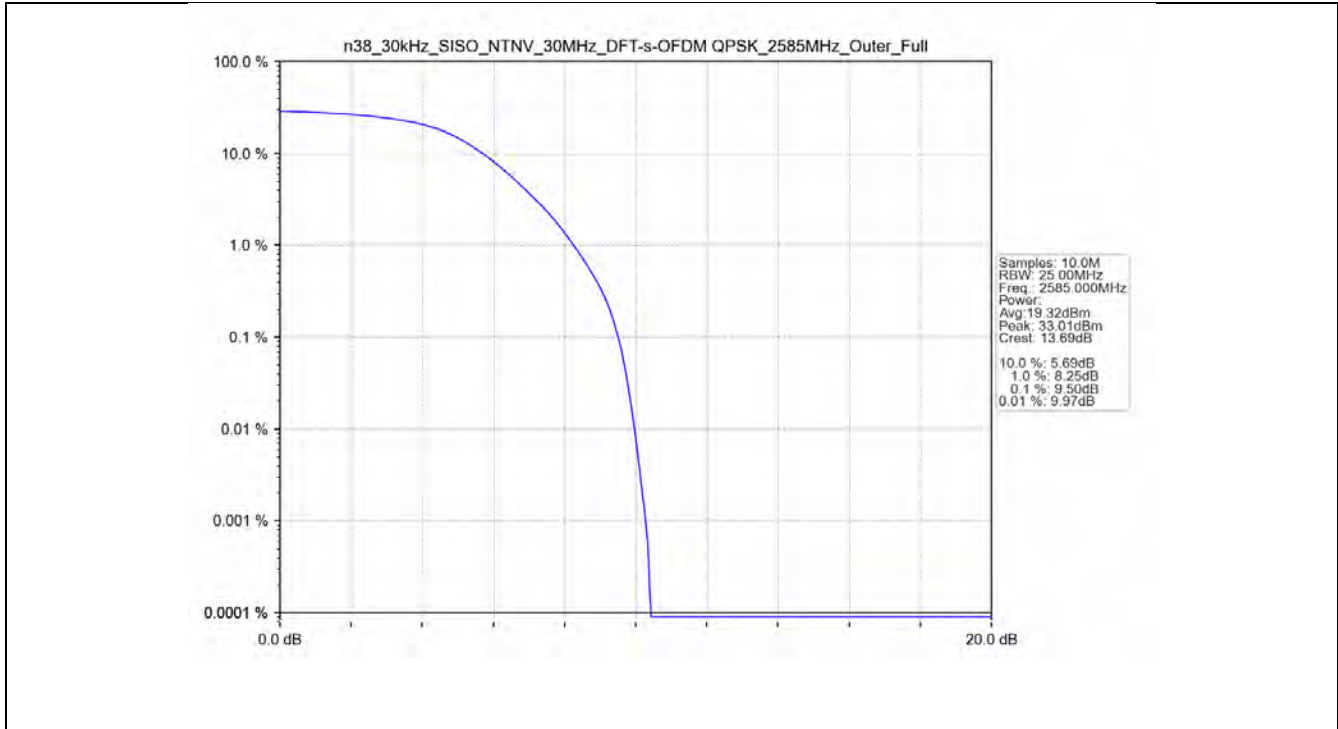


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 142 of 488



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

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

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

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

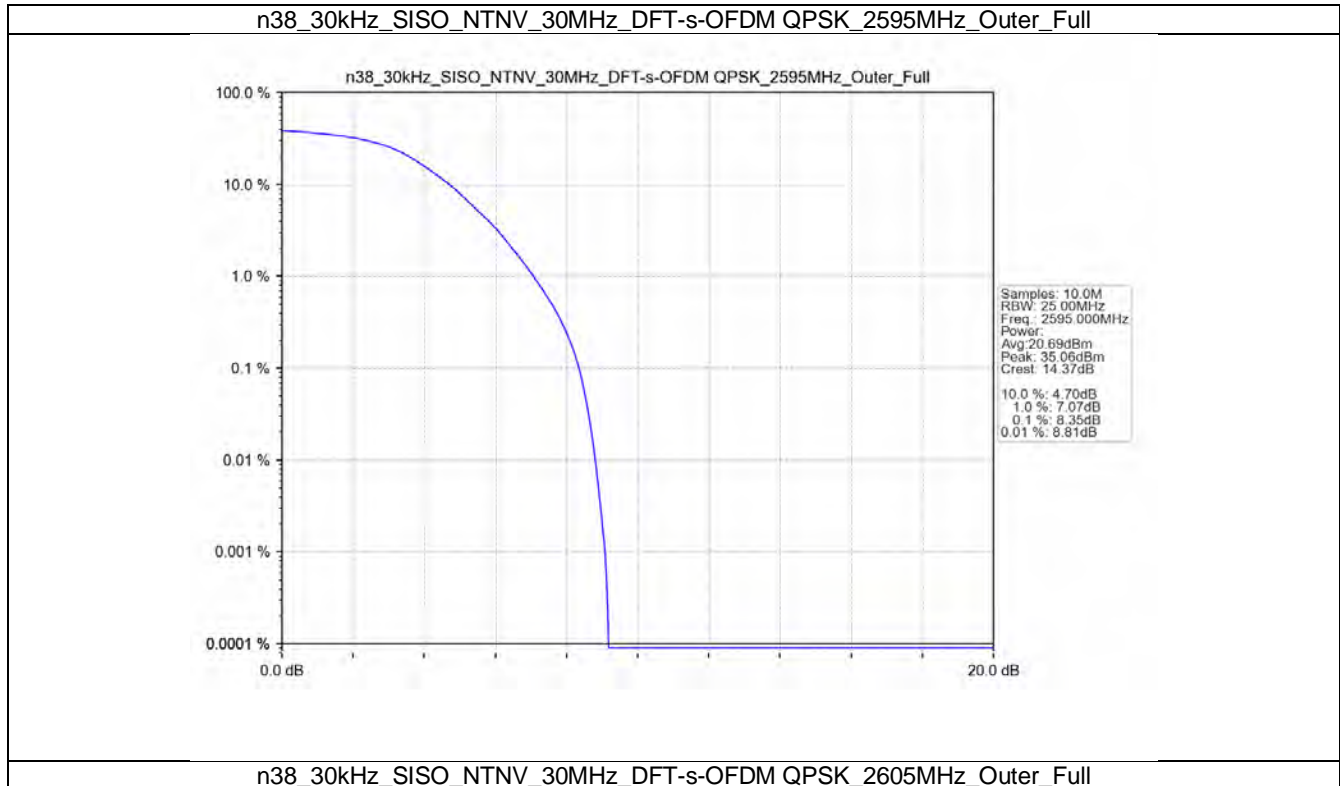


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 143 of 488



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

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

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

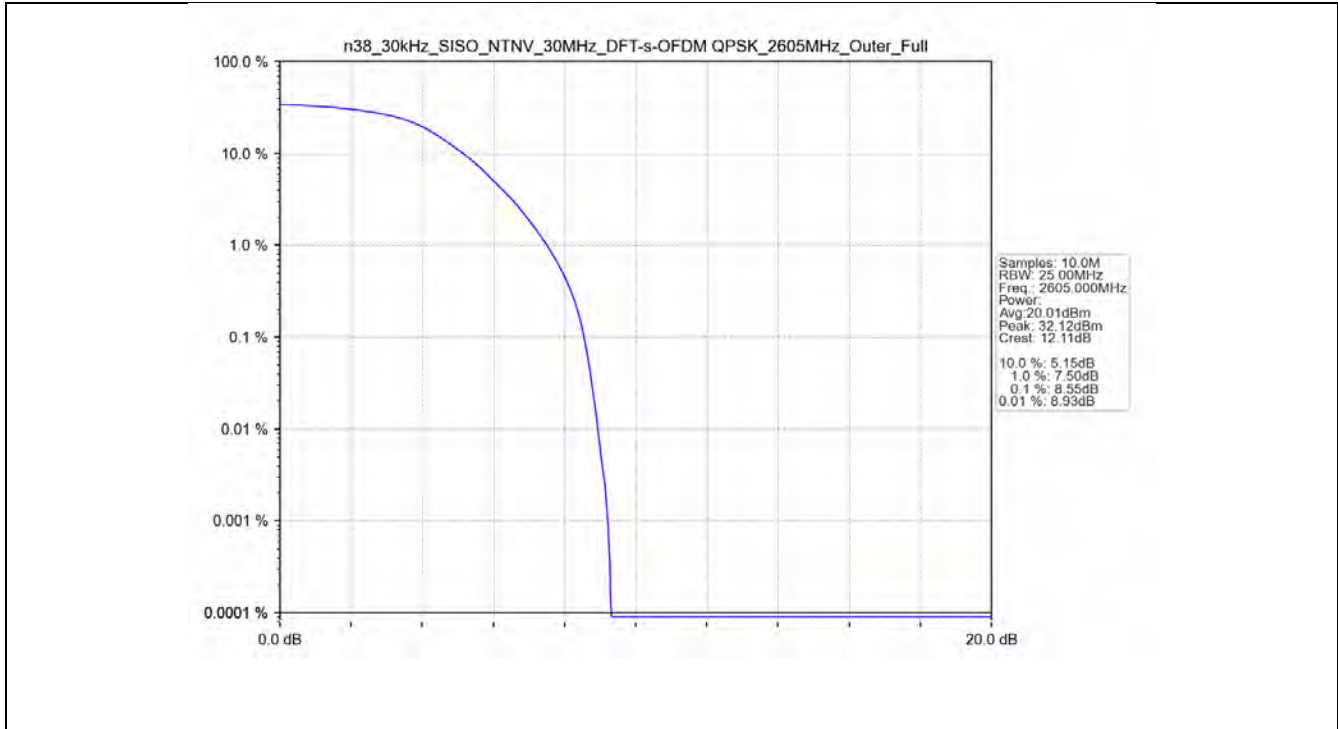


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 144 of 488



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

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

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

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



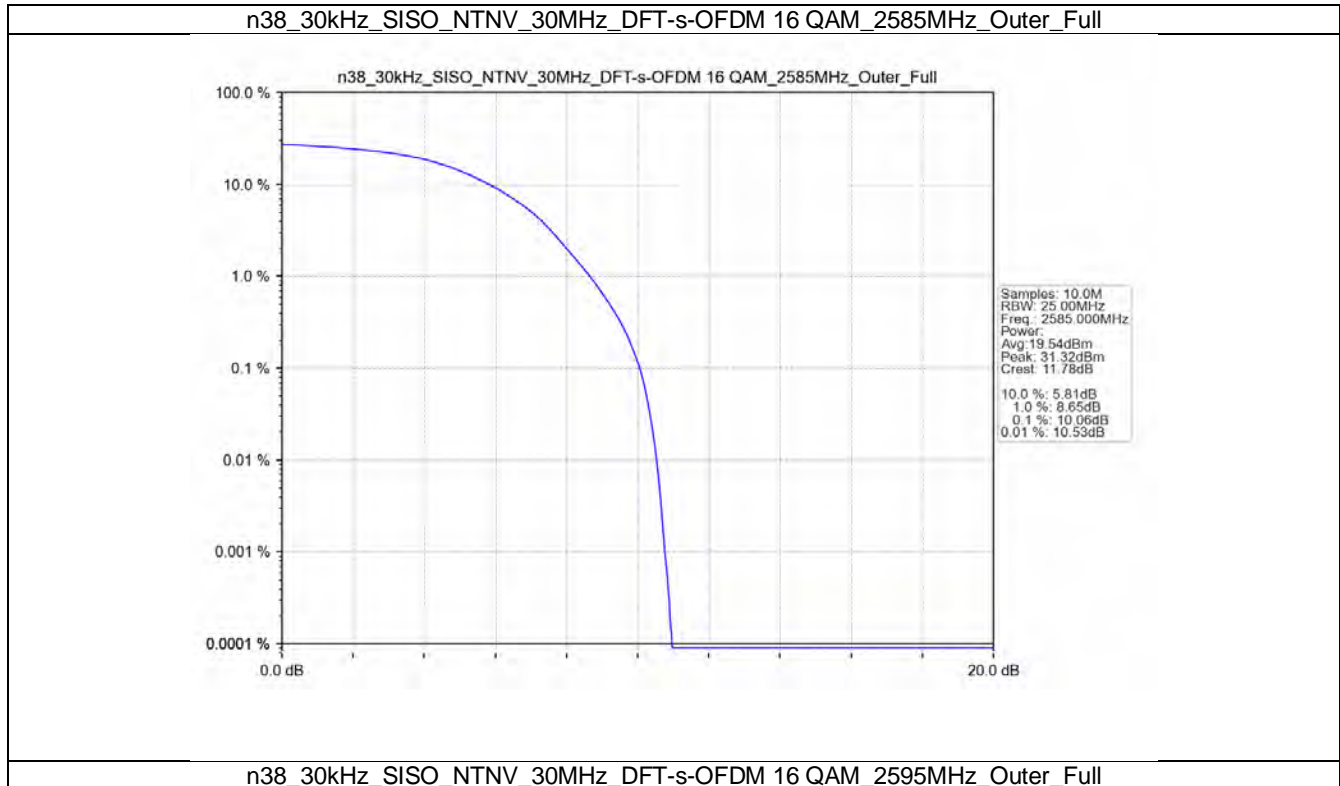


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 145 of 488



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

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

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

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

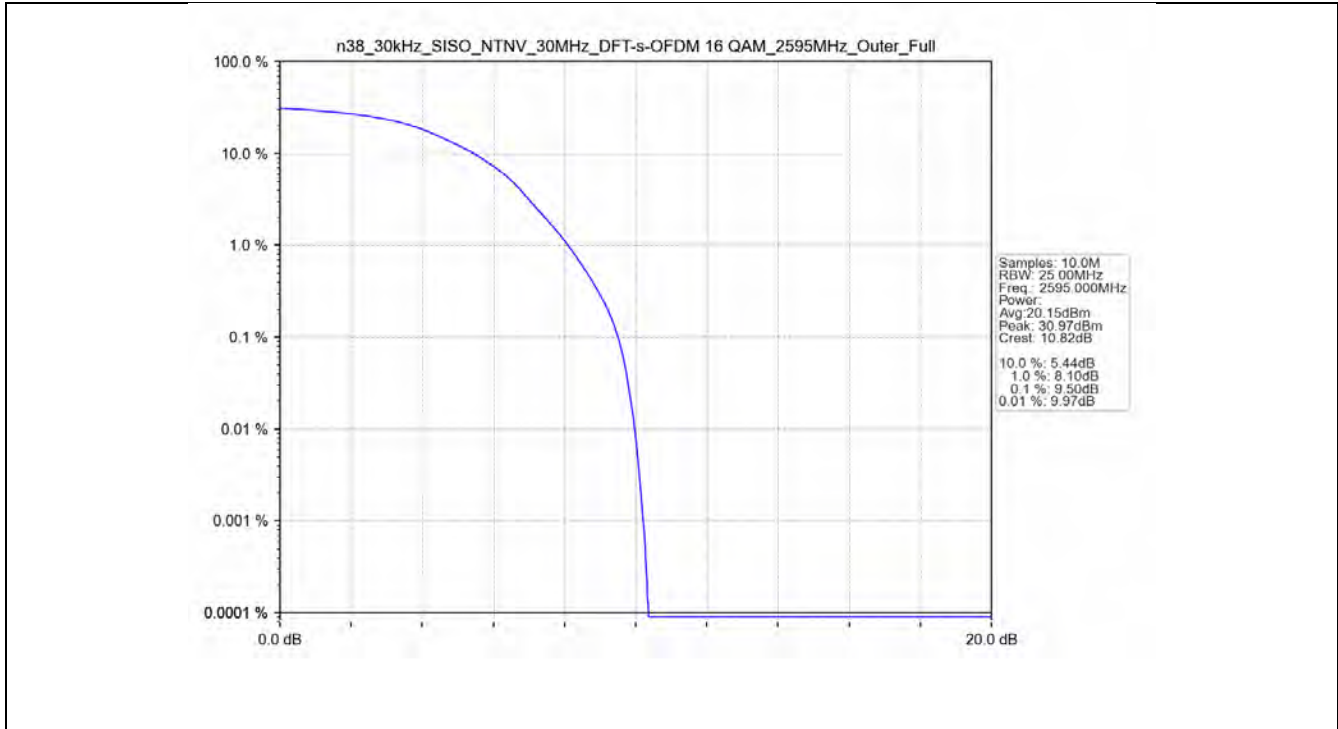


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 146 of 488



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

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

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

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



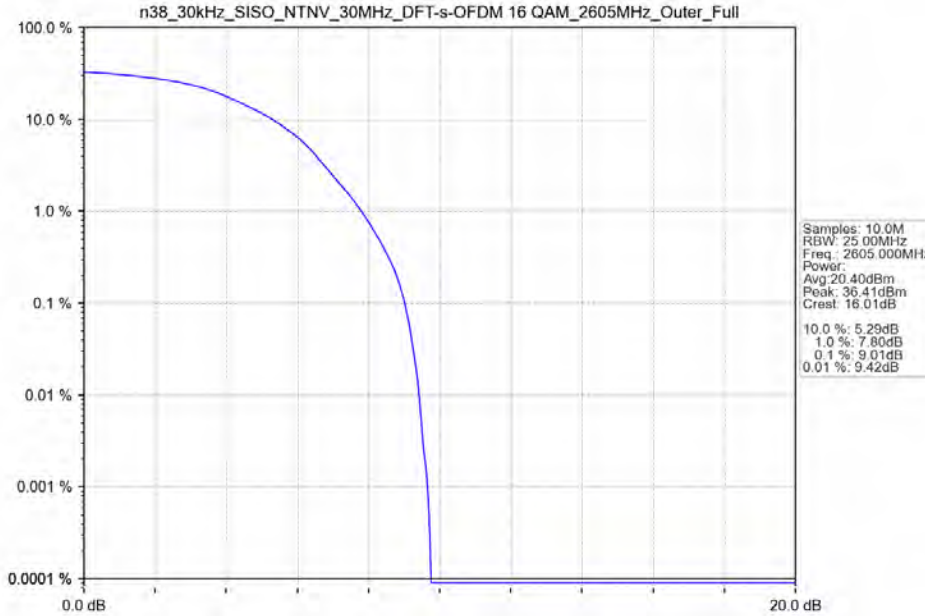
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 147 of 488

n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 16 QAM\_2605MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 64 QAM\_2585MHz\_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

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

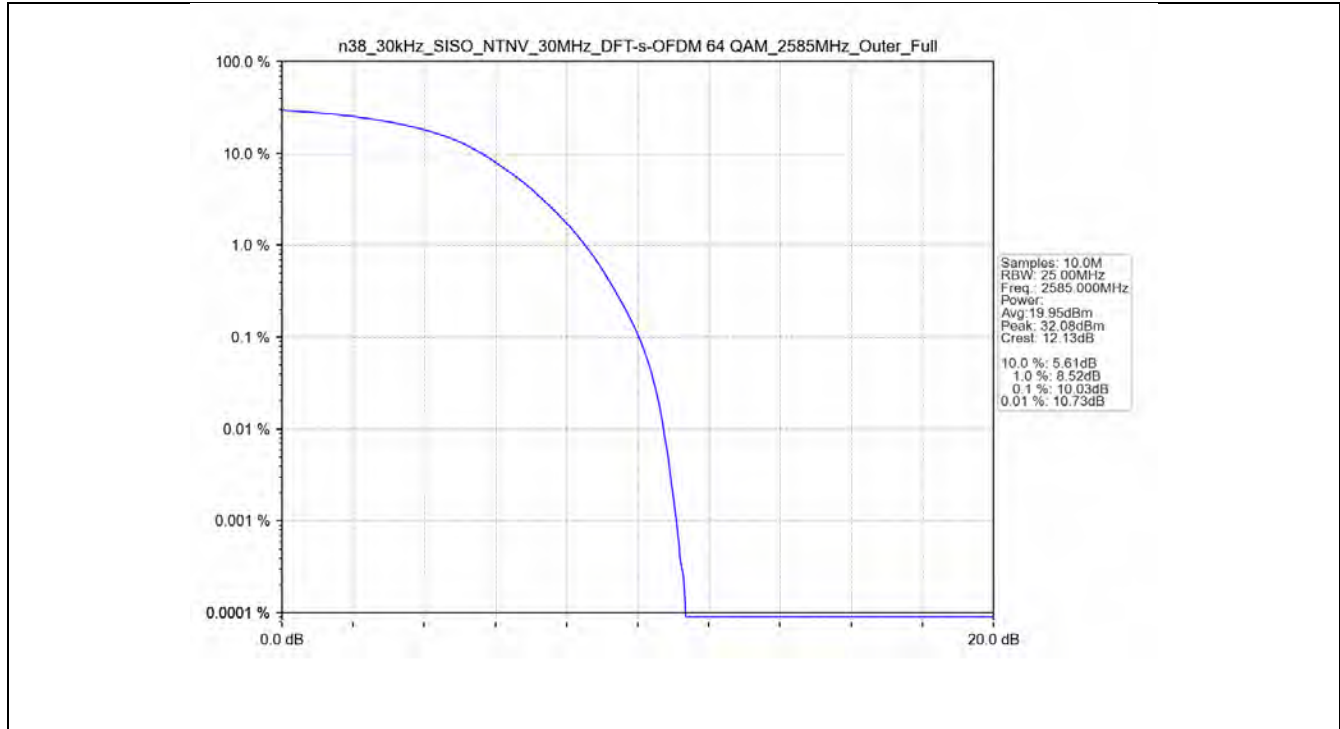


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 148 of 488



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

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

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

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



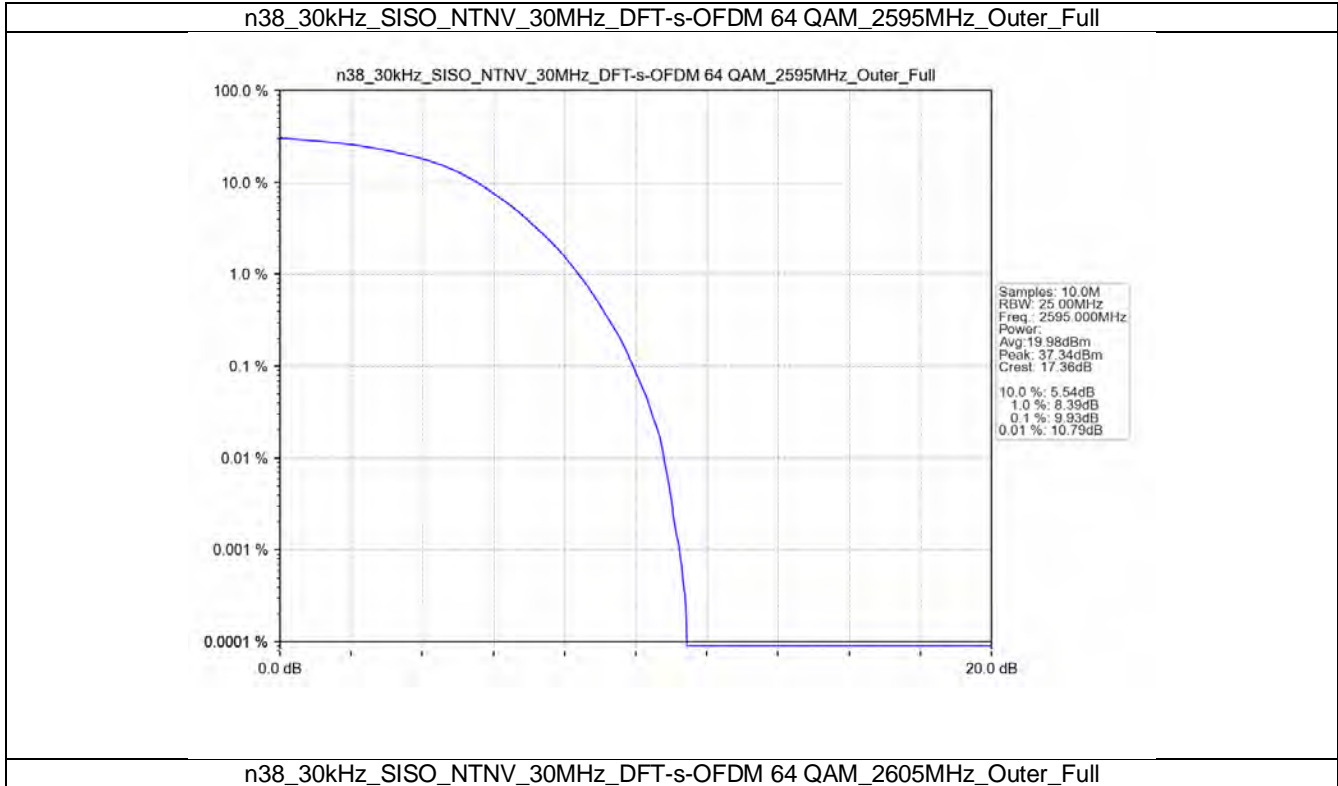


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 149 of 488



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

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

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

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

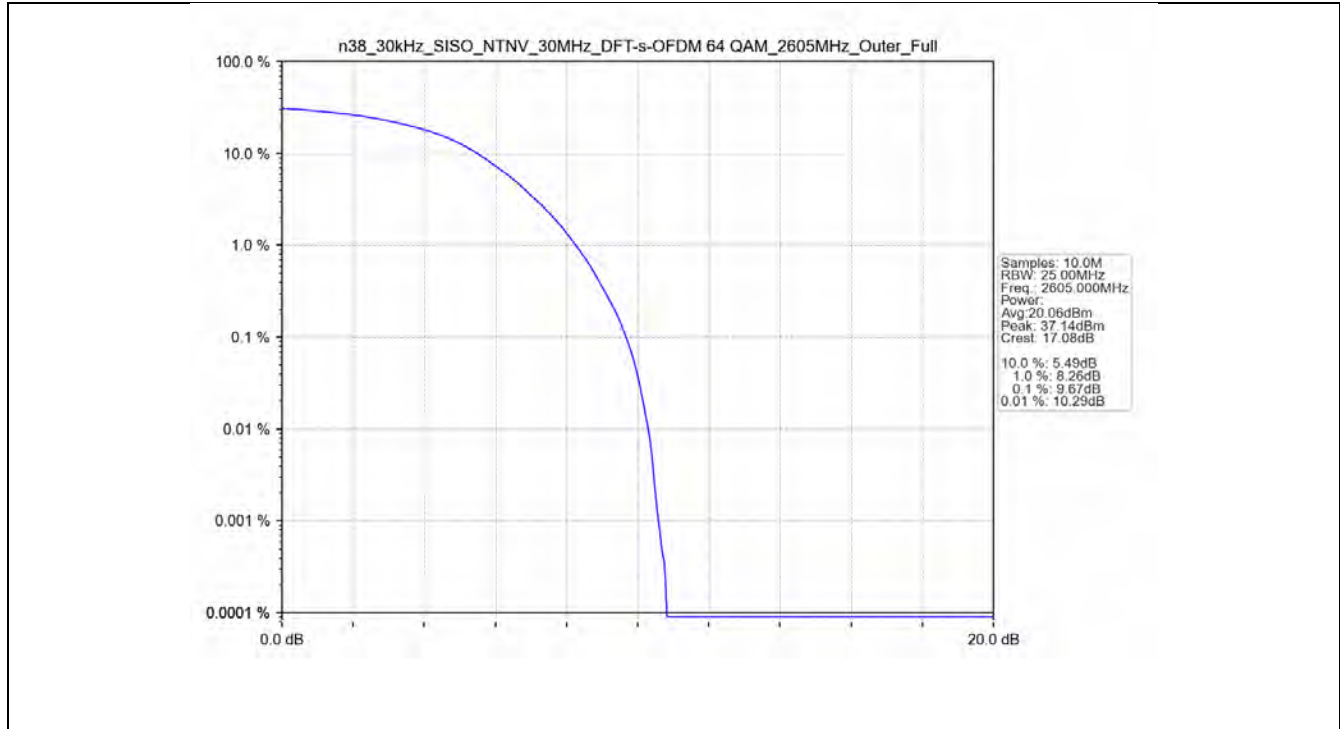


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 150 of 488



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

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

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

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

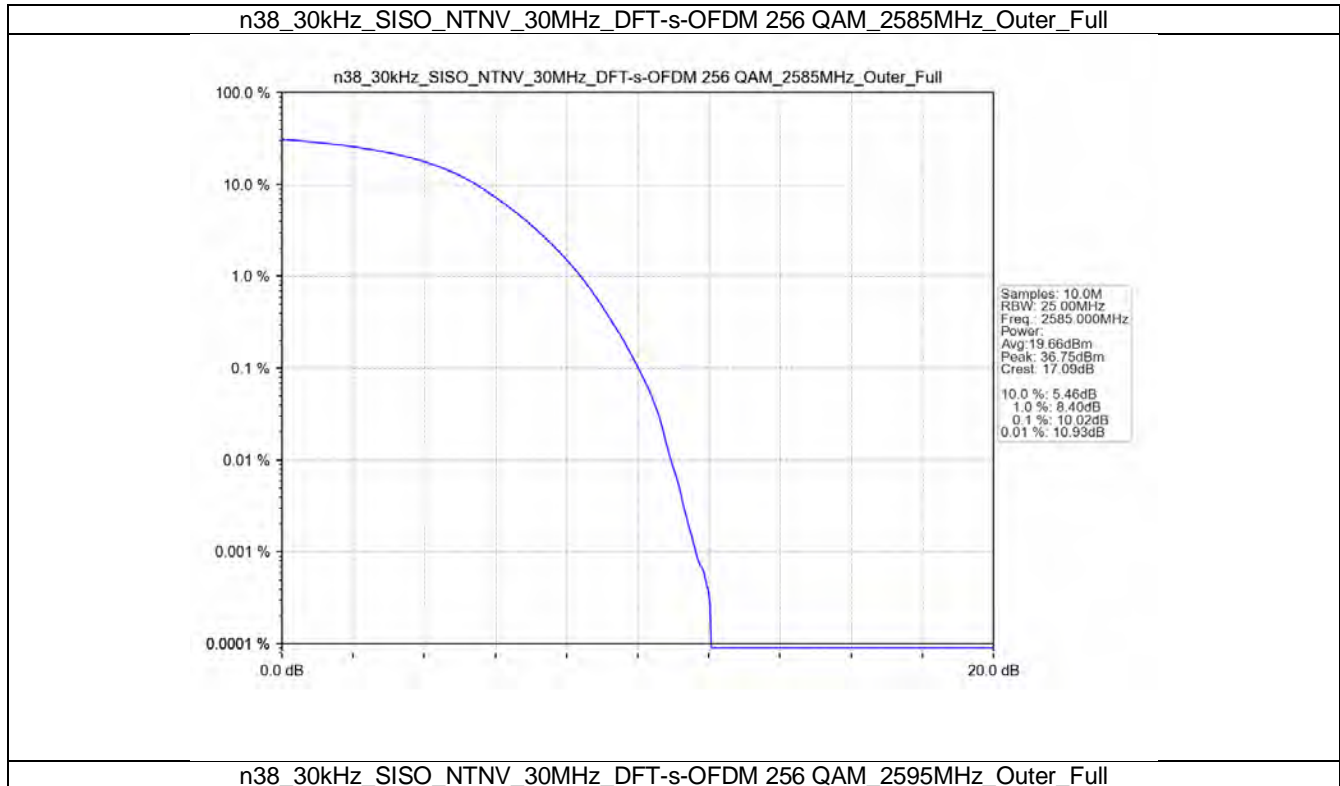


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 151 of 488



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

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

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

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

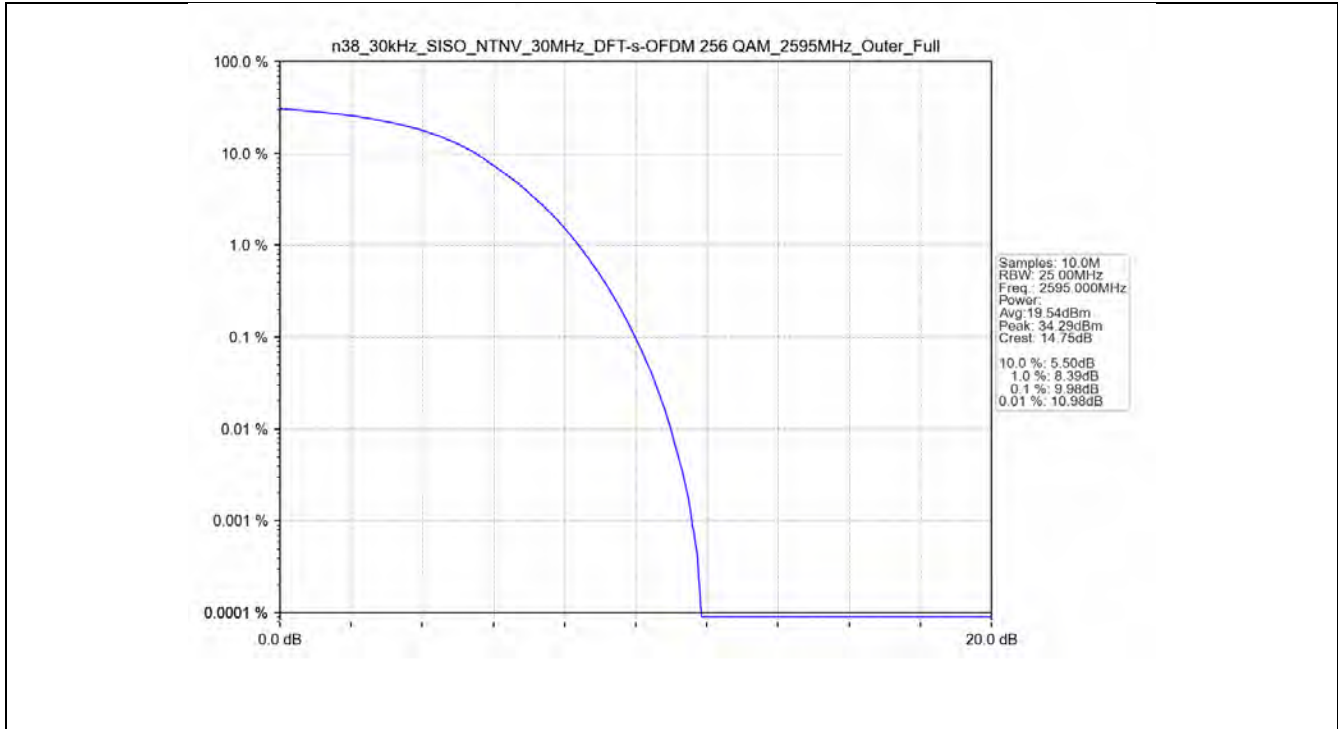


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 152 of 488



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

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

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

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



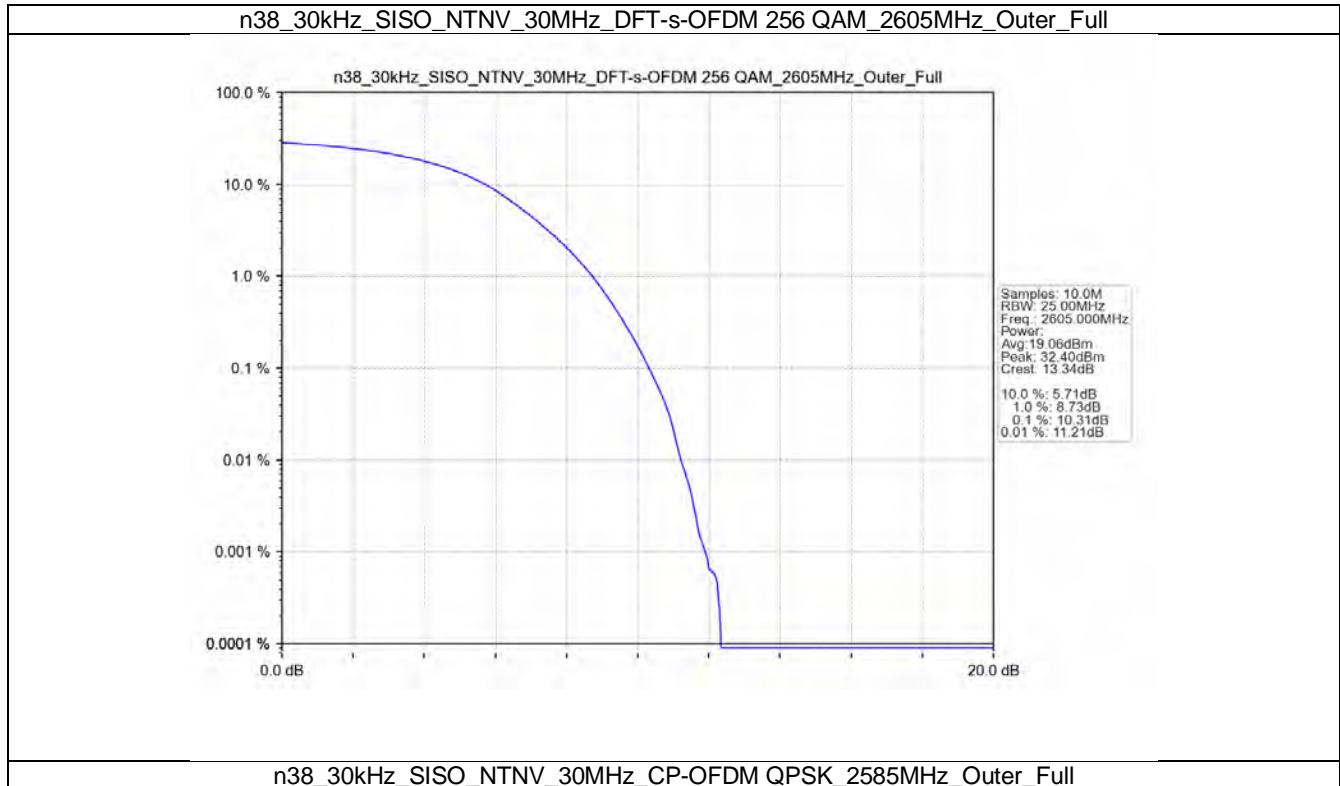


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 153 of 488



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

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

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

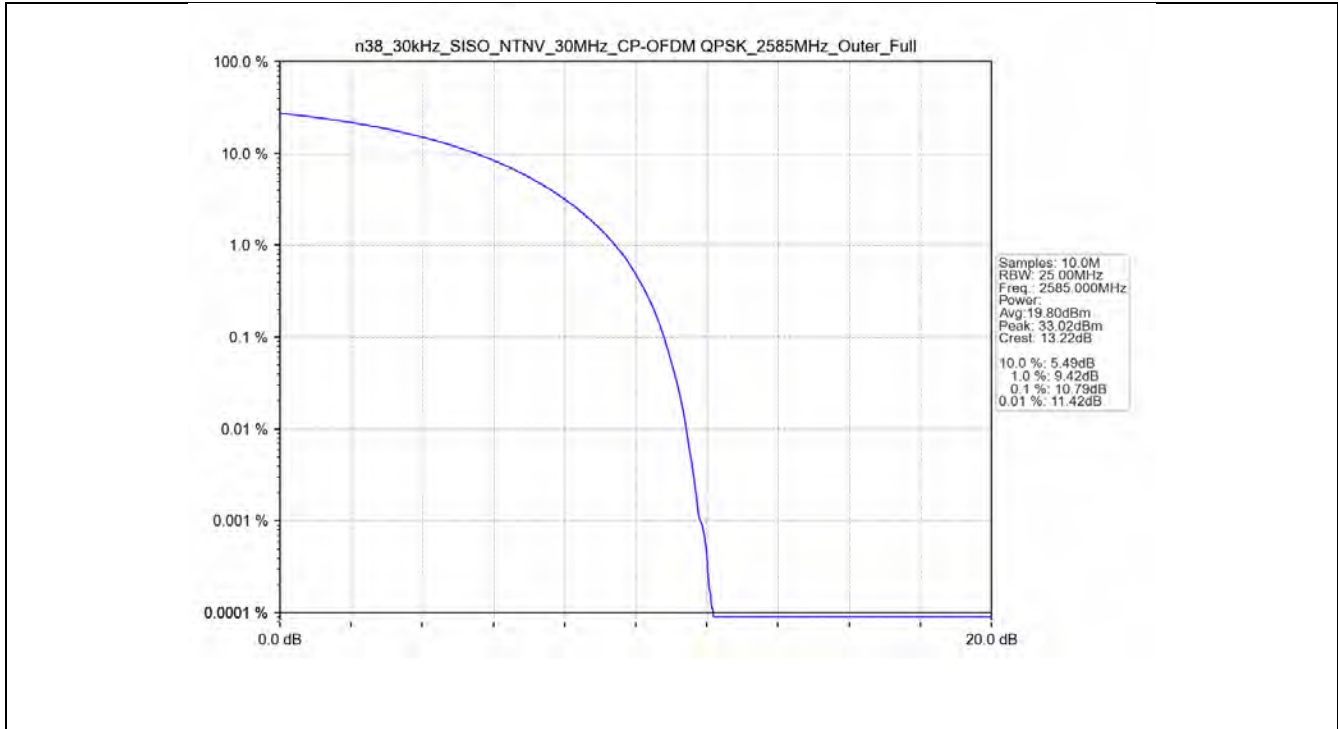


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 154 of 488



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

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

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

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

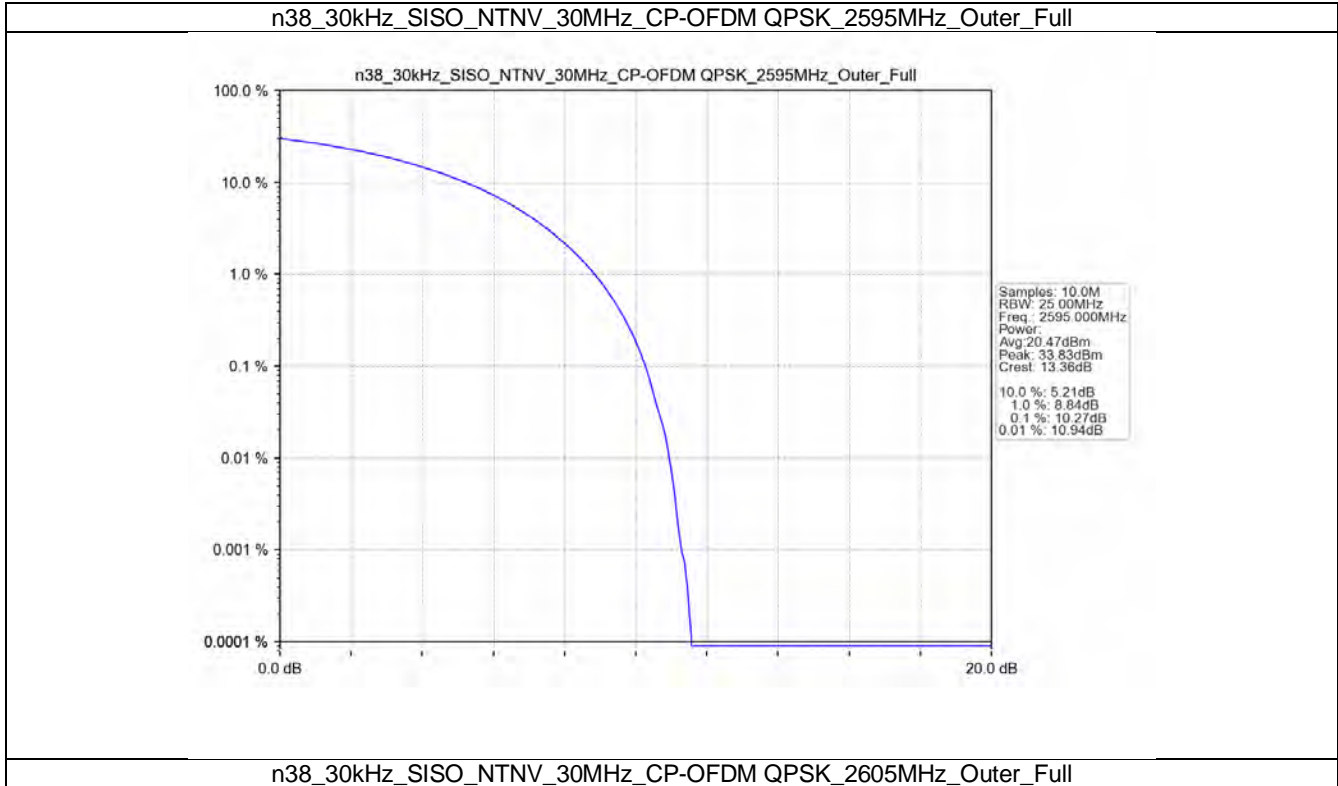


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 155 of 488



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

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

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

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

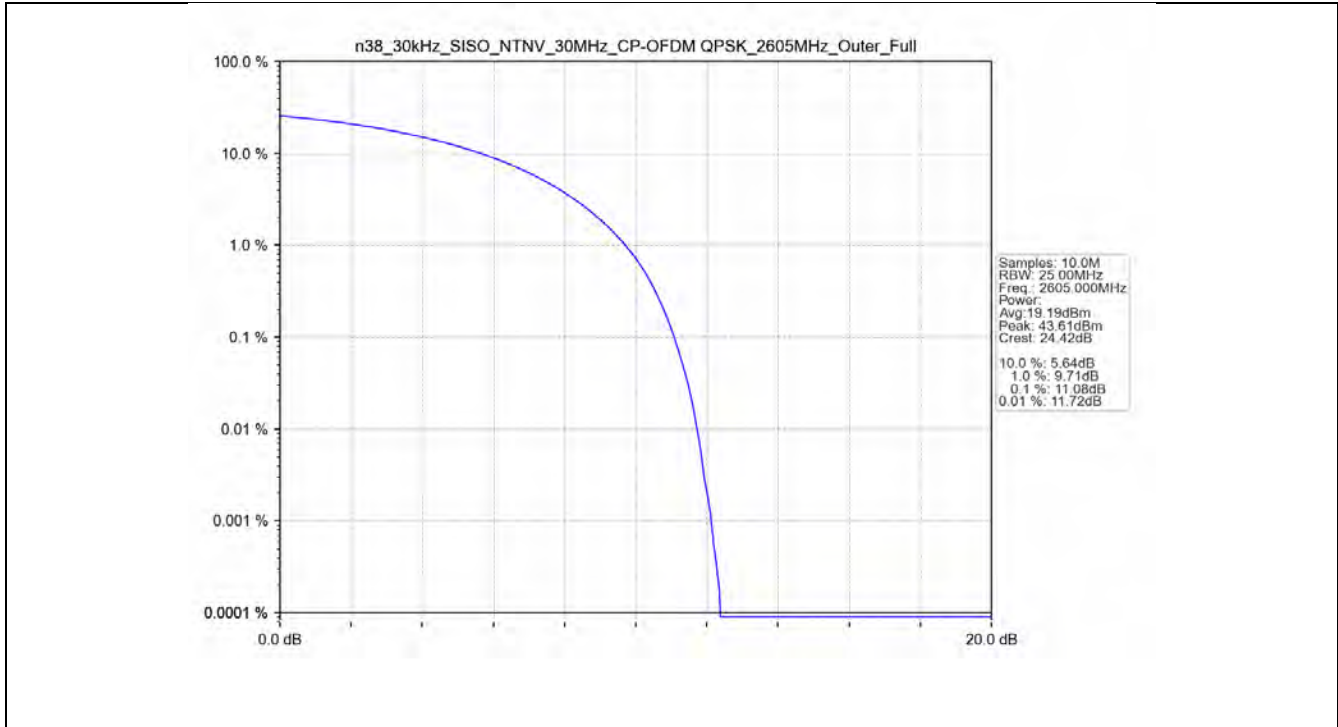


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 156 of 488



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

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

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

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





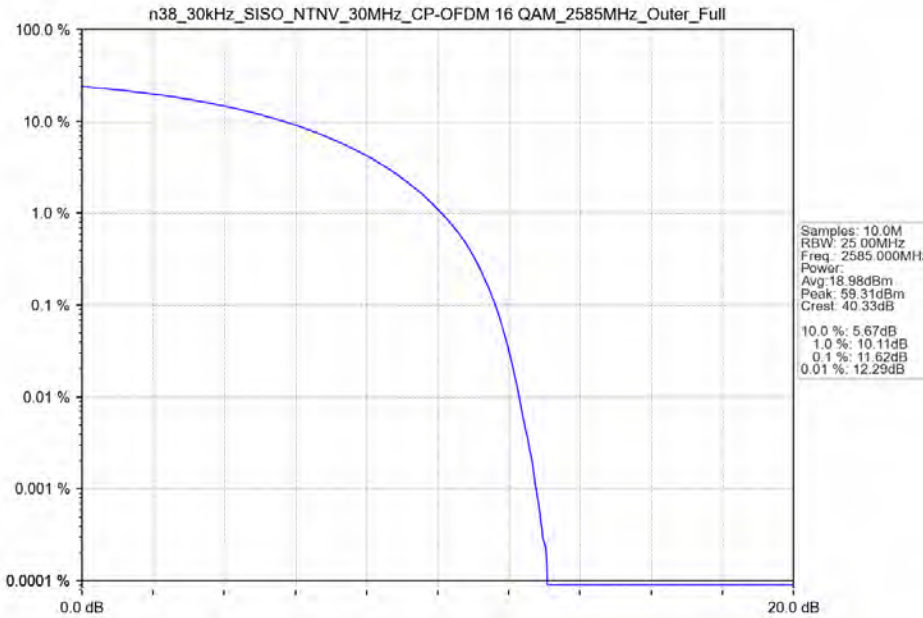
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 157 of 488

n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 16 QAM\_2585MHz\_Outer\_Full



n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 16 QAM\_2595MHz\_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

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

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

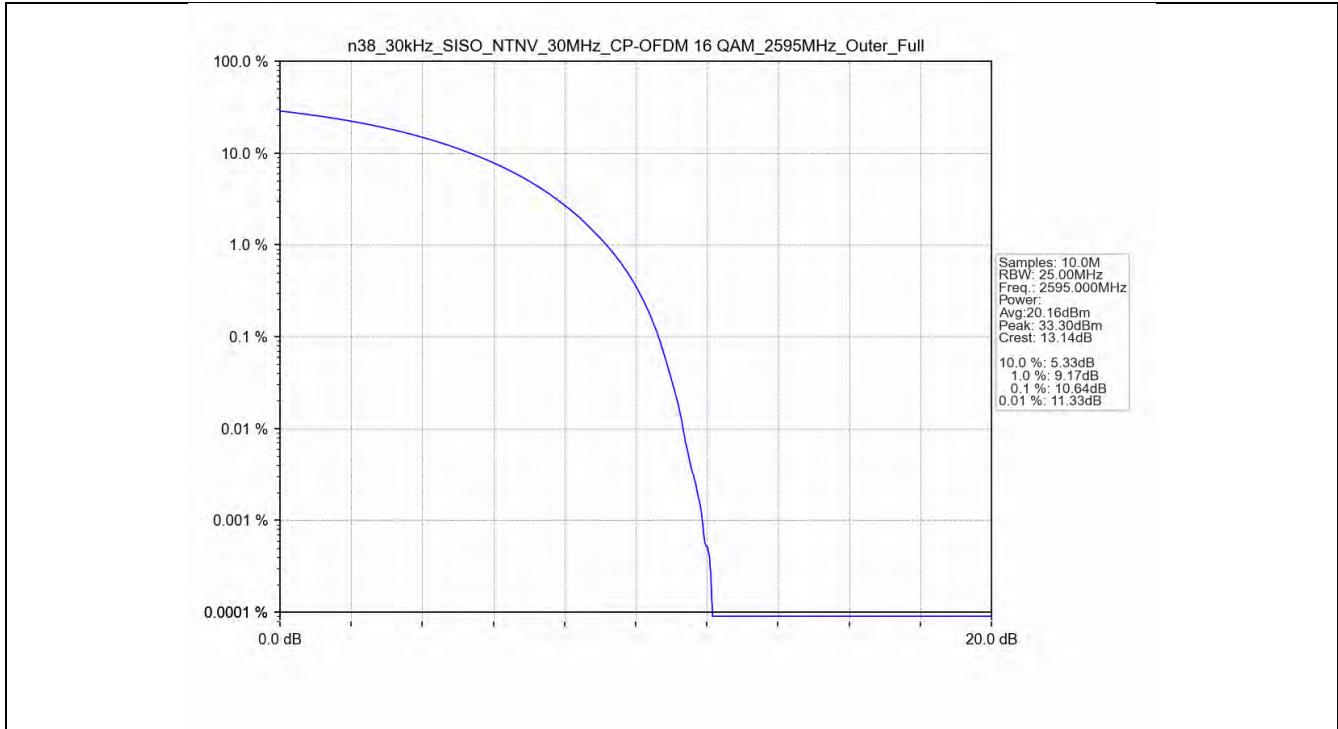


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 158 of 488



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

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

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

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

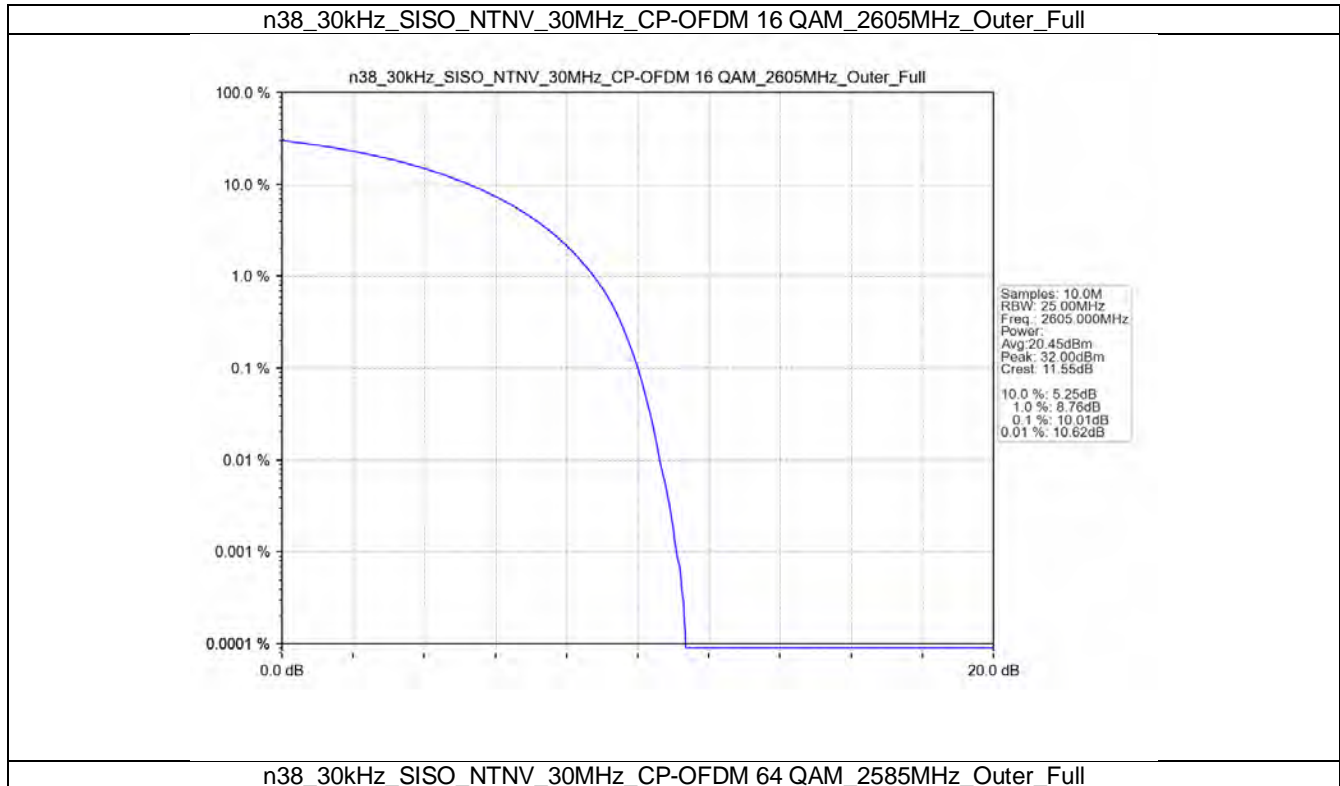


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 159 of 488



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

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

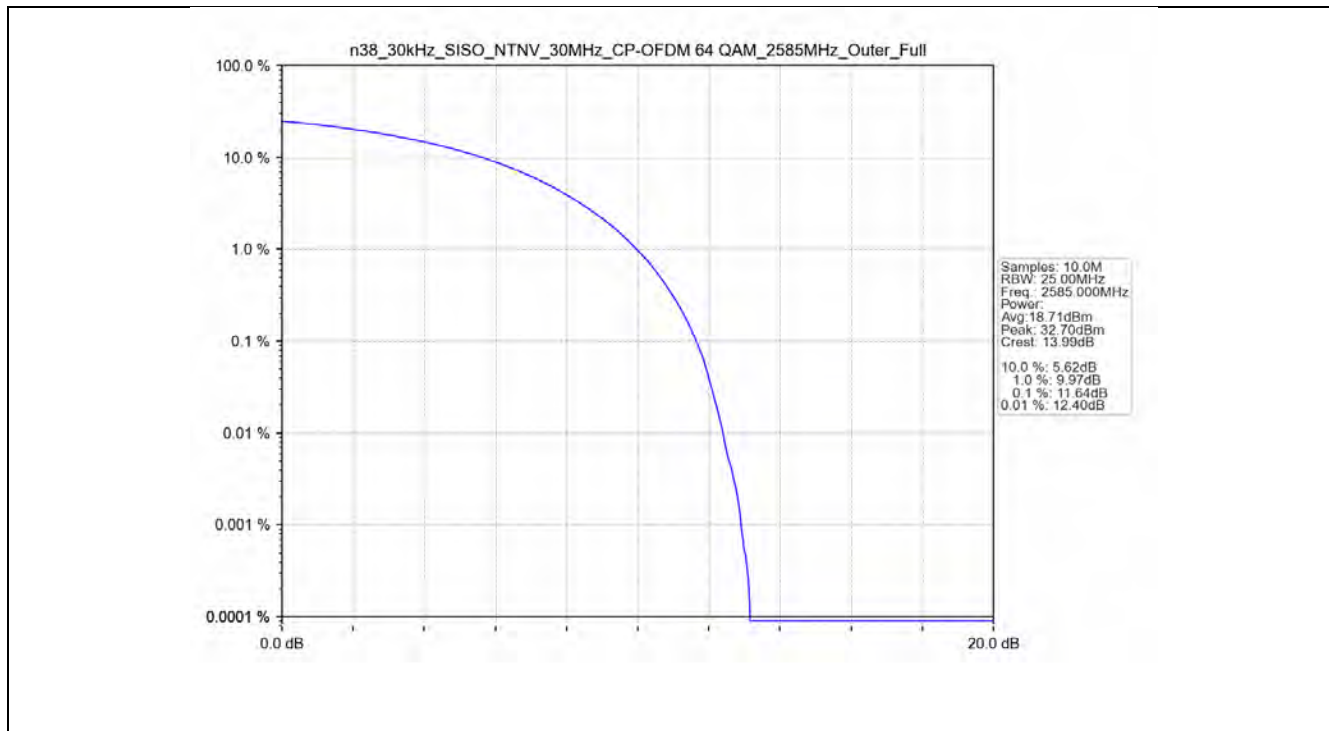
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

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



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

Report No.: SZCR240100038409  
 Rev.: 01  
 Page: 160 of 488



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

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

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

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



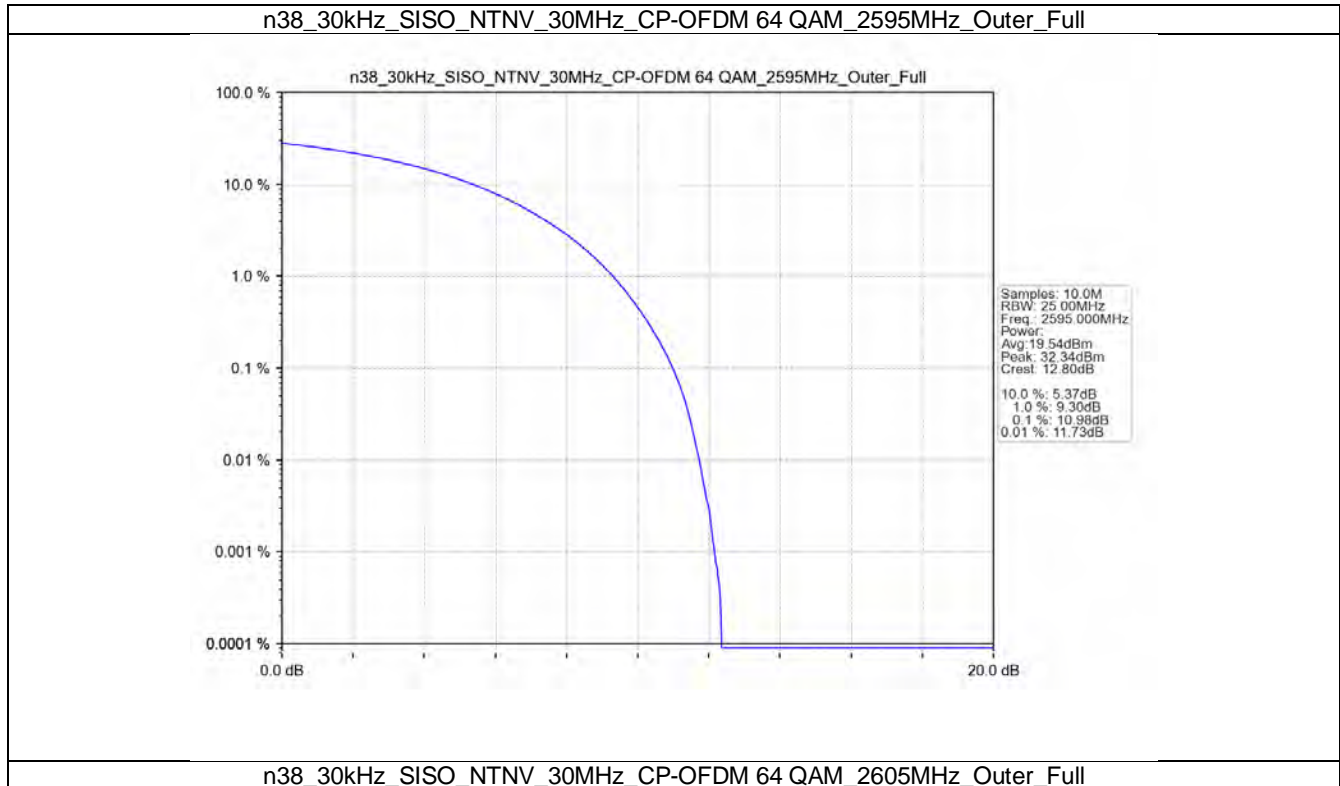


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 161 of 488



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

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

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

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

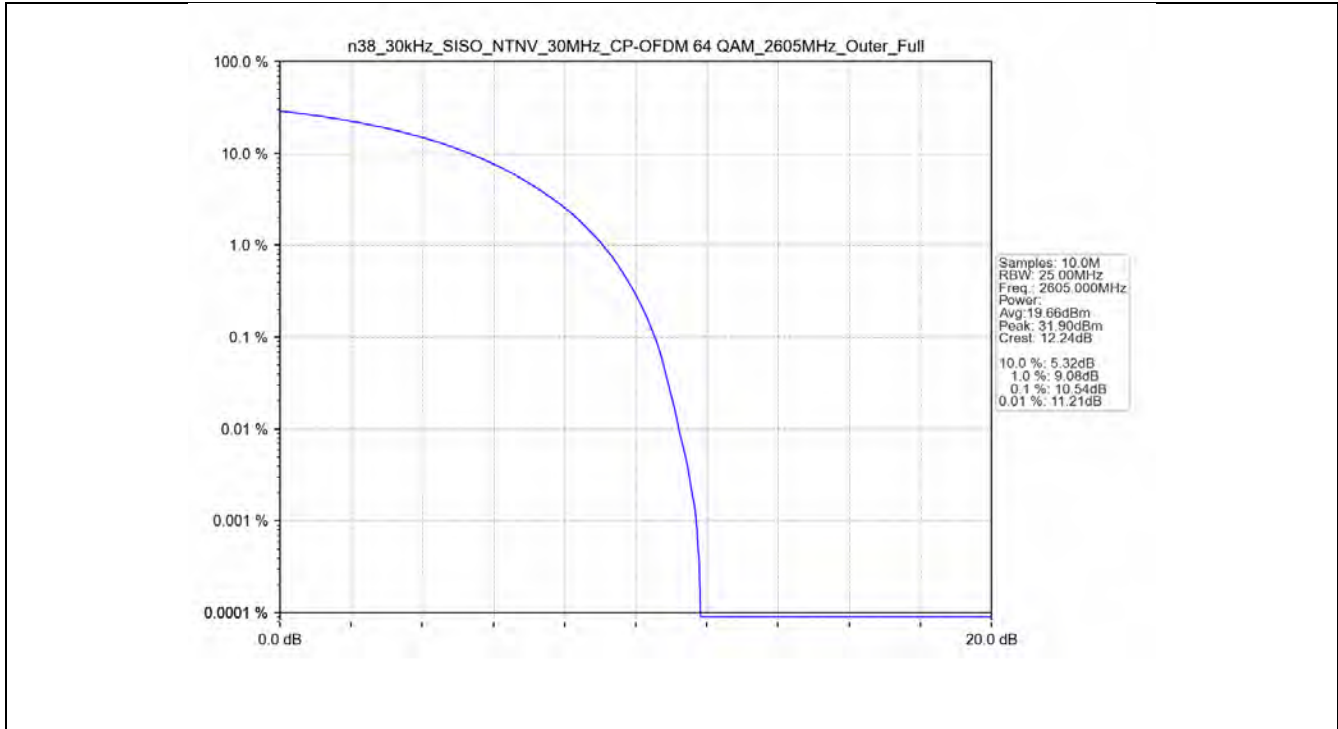


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 162 of 488



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

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

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

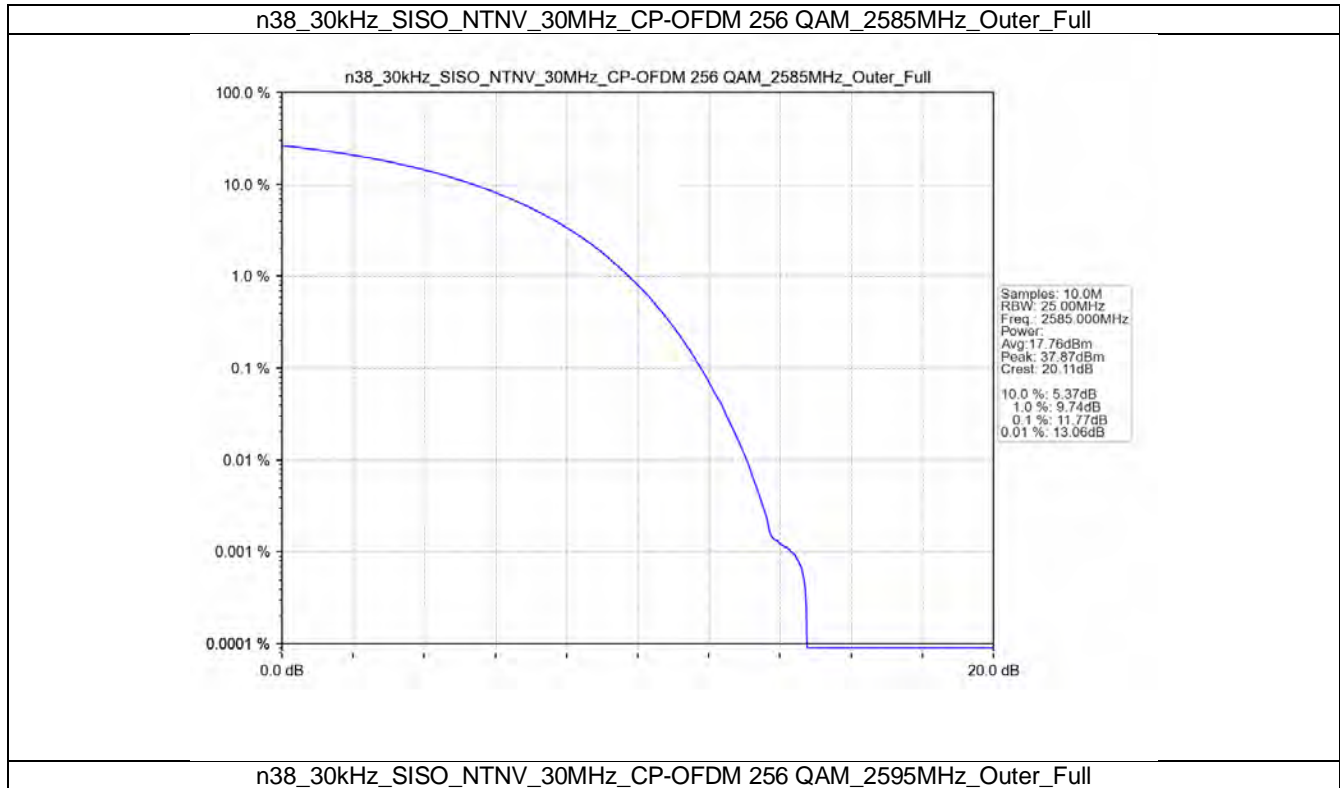
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.ssgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

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

Report No.: SZCR240100038409

Rev.: 01

Page: 163 of 488



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

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

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

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

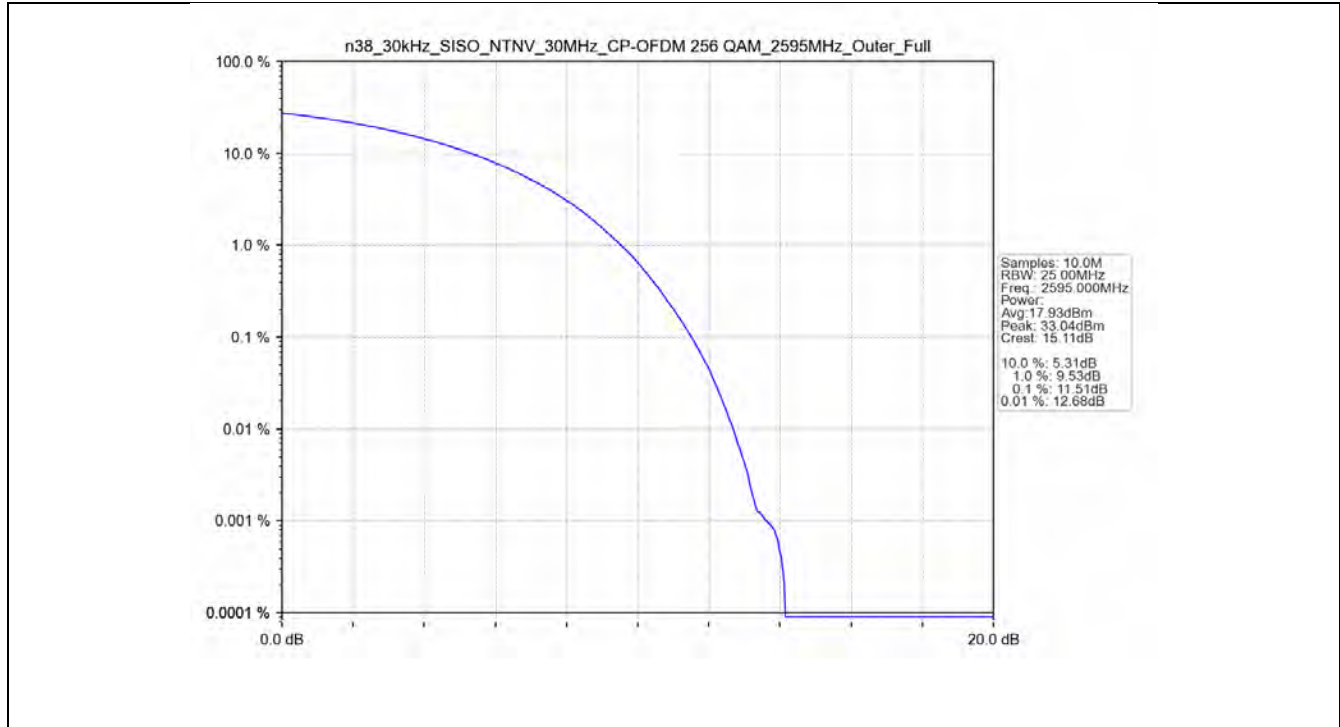


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 164 of 488



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

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

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

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





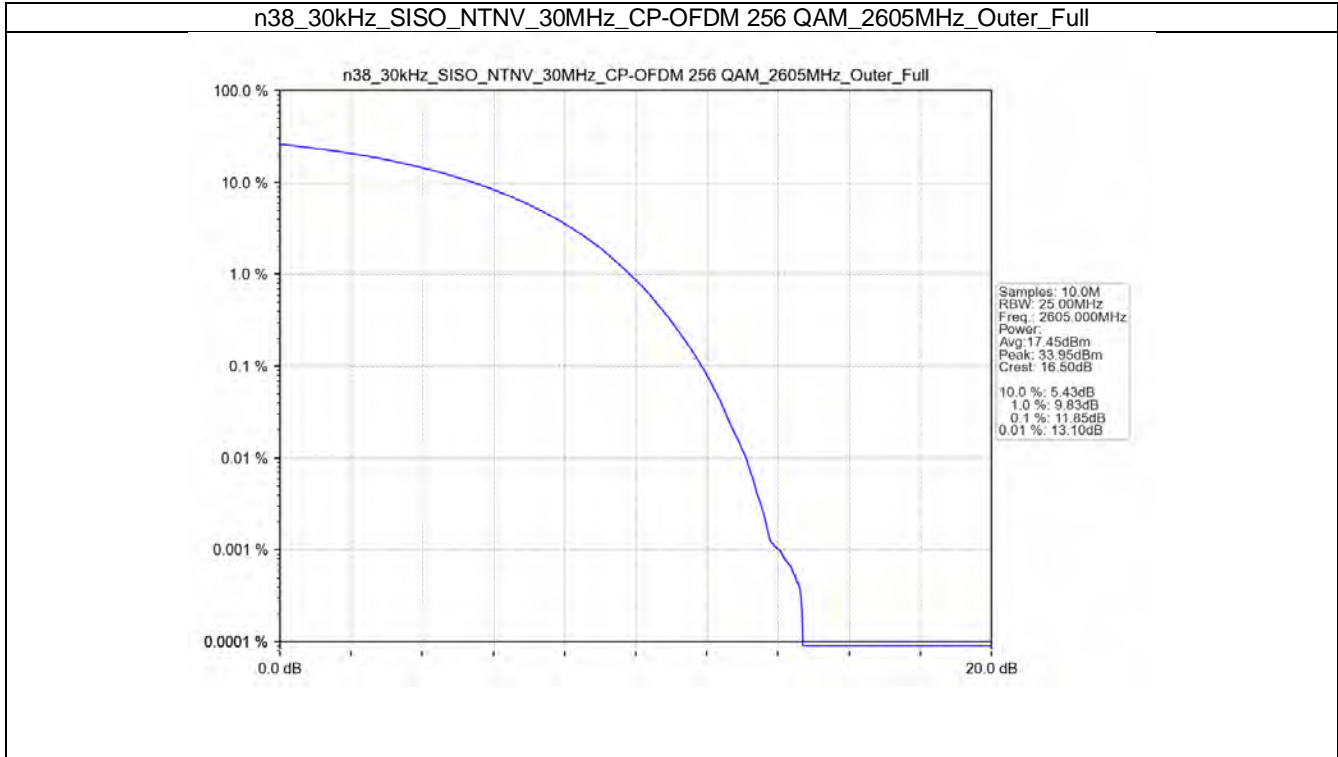
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 165 of 488

n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 256 QAM\_2605MHz\_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

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

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



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

Report No.: SZCR240100038409

Rev.: 01

Page: 166 of 488

## 4.3 30k\_SISO\_40MHz\_NTNV

### 4.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	9.41	/	/	<=13	Pass
	2595	Outer_Full	9.60	/	/	<=13	Pass
	2600	Outer_Full	9.24	/	/	<=13	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	10.04	/	/	<=13	Pass
	2595	Outer_Full	9.22	/	/	<=13	Pass
	2600	Outer_Full	9.15	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	9.97	/	/	<=13	Pass
	2595	Outer_Full	10.28	/	/	<=13	Pass
	2600	Outer_Full	9.90	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	10.16	/	/	<=13	Pass
	2595	Outer_Full	10.46	/	/	<=13	Pass
	2600	Outer_Full	10.76	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	10.57	/	/	<=13	Pass
	2595	Outer_Full	10.31	/	/	<=13	Pass
	2600	Outer_Full	10.74	/	/	<=13	Pass
CP-OFDM QPSK	2590	Outer_Full	10.83	/	/	<=13	Pass
	2595	Outer_Full	11.04	/	/	<=13	Pass
	2600	Outer_Full	11.45	/	/	<=13	Pass
CP-OFDM 16 QAM	2590	Outer_Full	11.37	/	/	<=13	Pass
	2595	Outer_Full	11.19	/	/	<=13	Pass
	2600	Outer_Full	11.47	/	/	<=13	Pass
CP-OFDM 64 QAM	2590	Outer_Full	11.34	/	/	<=13	Pass
	2595	Outer_Full	11.56	/	/	<=13	Pass
	2600	Outer_Full	11.26	/	/	<=13	Pass
CP-OFDM 256 QAM	2590	Outer_Full	12.00	/	/	<=13	Pass
	2595	Outer_Full	12.06	/	/	<=13	Pass
	2600	Outer_Full	11.48	/	/	<=13	Pass



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

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

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

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



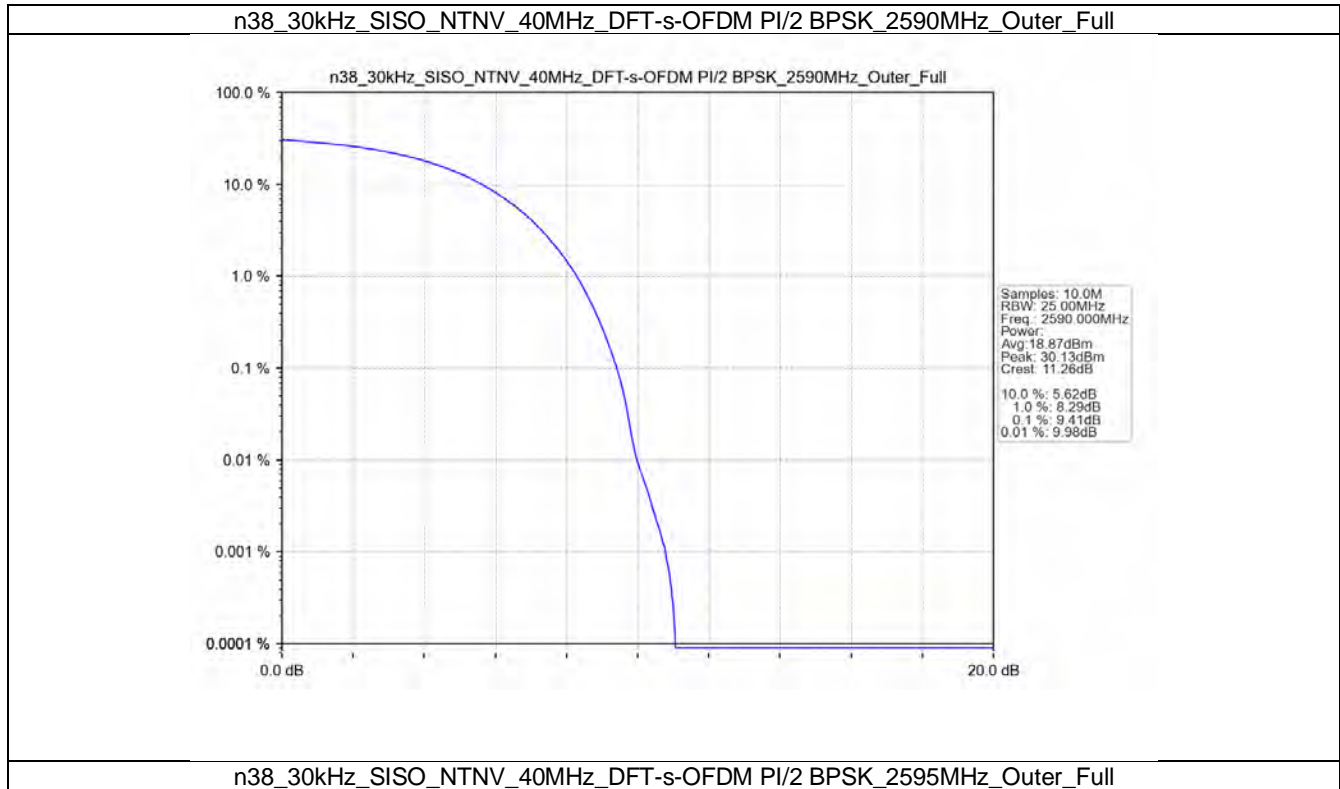
**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 167 of 488

4.3.2 Test Graph



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

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

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

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

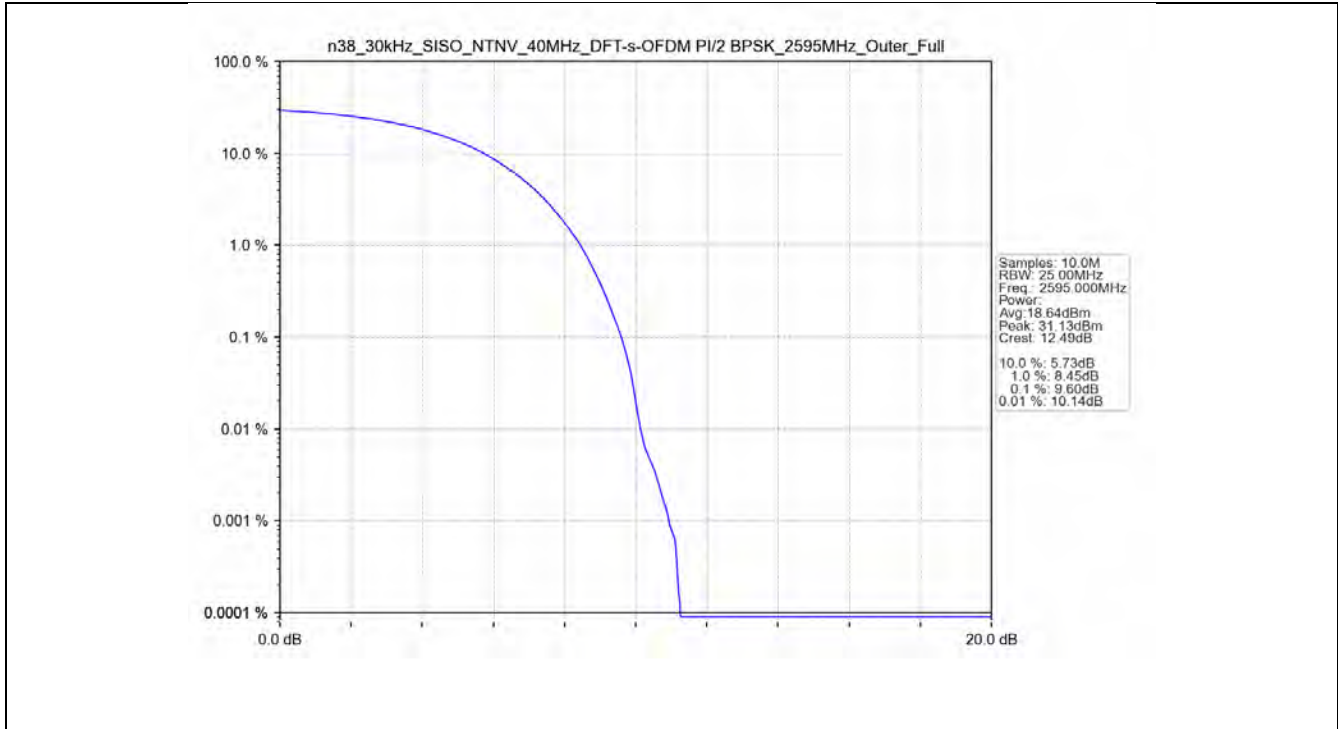


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 168 of 488



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

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

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

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

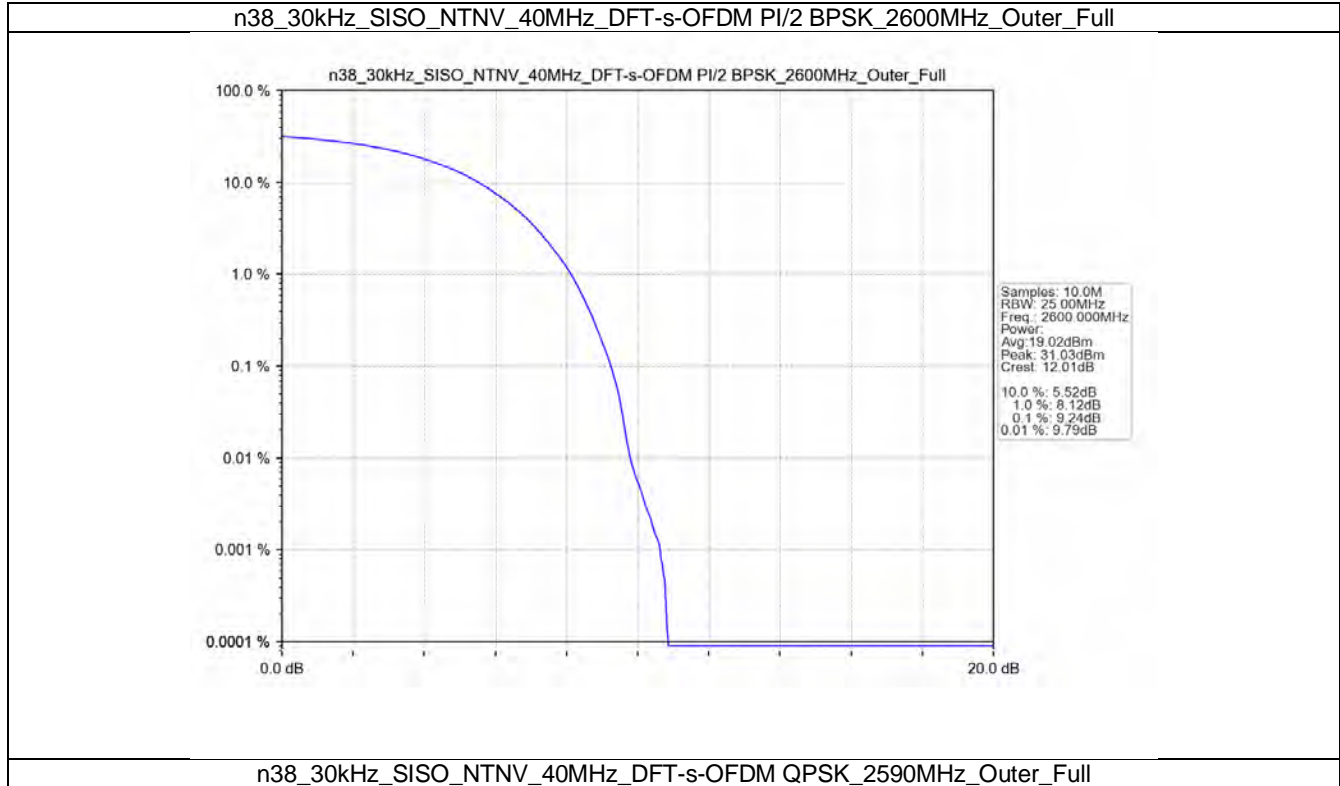


# SGS | SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZCR240100038409

Rev.: 01

Page: 169 of 488



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

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

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

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

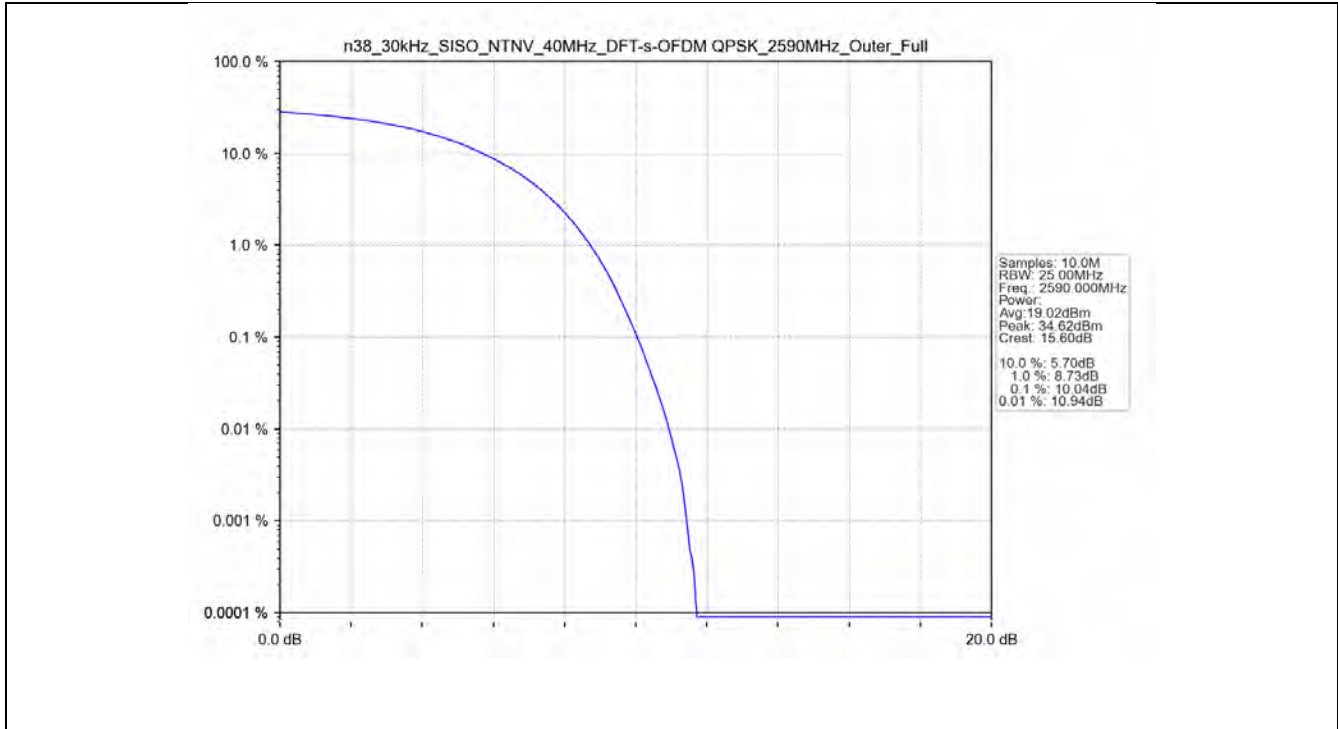


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 170 of 488



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

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

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

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

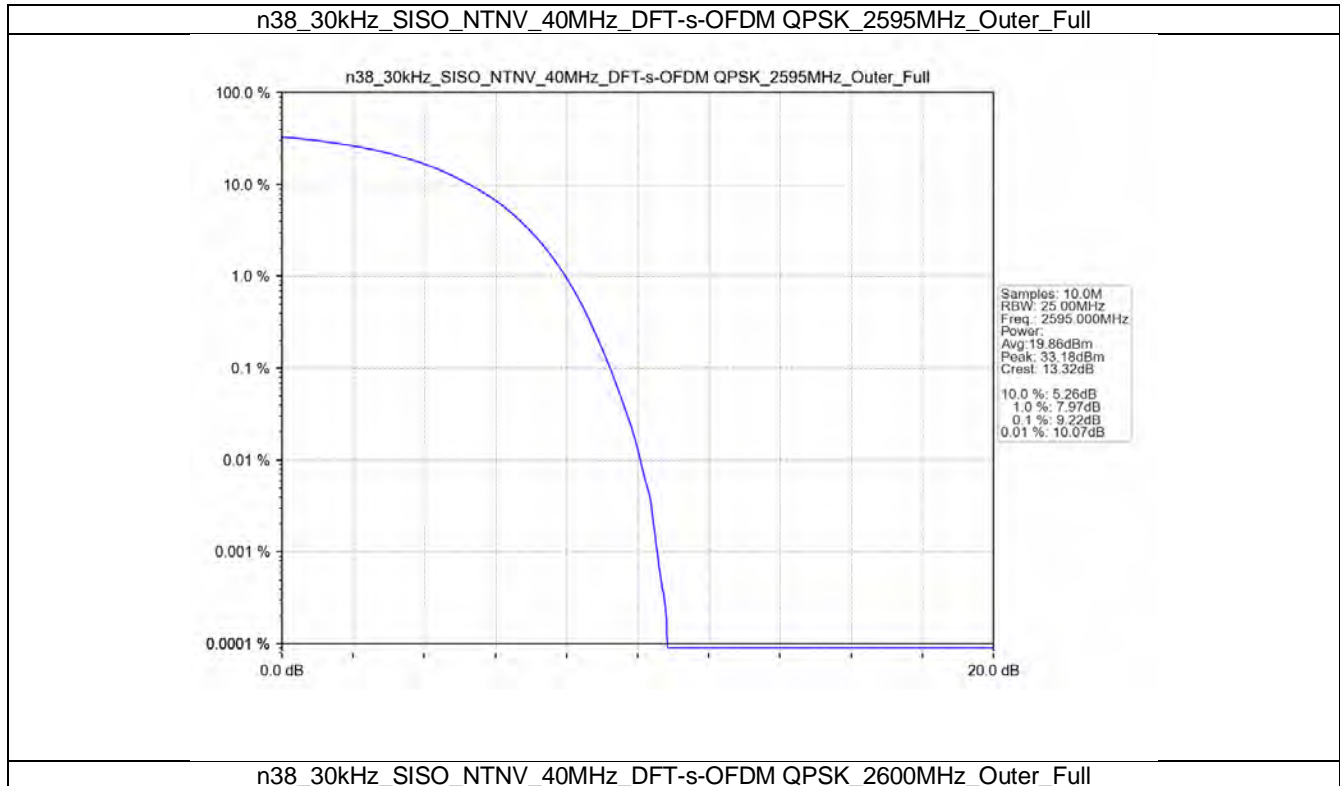


**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100038409

Rev.: 01

Page: 171 of 488



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

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

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

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