

Appendix C.6

LTE Band n48



Unless otherwise agreed 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.ssgsgroup.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

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_MIMO_10MHz_NTNV_EIRP

5G NR n48 SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	17.49	17.81	20.66	31.49	31.81	34.66	/	Pass
		Edge_1RB_Right	17.46	17.78	20.64	31.46	31.78	34.63	/	Pass
		Outer_Full	17.58	17.86	20.73	31.58	31.86	34.73	/	Pass
		Inner_Full	19.07	19.38	22.24	33.07	33.38	36.24	/	Pass
		Inner_1RB_Left	19.03	19.42	22.24	33.03	33.42	36.24	/	Pass
		Inner_1RB_Right	19.03	19.41	22.23	33.03	33.41	36.23	/	Pass
	3624.99	Edge_1RB_Left	17.51	17.99	20.77	31.51	31.99	34.77	/	Pass
		Edge_1RB_Right	17.50	17.77	20.64	31.50	31.77	34.65	/	Pass
		Outer_Full	17.43	17.96	20.72	31.43	31.96	34.71	/	Pass
		Inner_Full	19.01	19.48	22.26	33.01	33.48	36.26	/	Pass
		Inner_1RB_Left	19.13	19.43	22.29	33.13	33.43	36.29	/	Pass
		Inner_1RB_Right	18.98	19.39	22.20	32.98	33.39	36.20	/	Pass
	3694.98	Edge_1RB_Left	17.85	17.84	20.86	31.85	31.84	34.86	/	Pass
		Edge_1RB_Right	17.71	17.83	20.78	31.71	31.83	34.78	/	Pass
		Outer_Full	17.76	17.74	20.76	31.76	31.74	34.76	/	Pass
		Inner_Full	19.26	19.42	22.35	33.26	33.42	36.35	/	Pass
		Inner_1RB_Left	19.50	19.33	22.43	33.50	33.33	36.43	/	Pass
		Inner_1RB_Right	19.25	19.33	22.30	33.25	33.33	36.30	/	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	17.55	17.83	20.70	31.55	31.83	34.70	/	Pass
		Edge_1RB_Right	17.42	17.99	20.72	31.42	31.99	34.72	/	Pass
		Outer_Full	17.59	17.83	20.73	31.59	31.83	34.72	/	Pass
		Inner_Full	18.61	18.75	21.69	32.61	32.75	35.69	/	Pass
		Inner_1RB_Left	18.38	18.83	21.62	32.38	32.83	35.62	/	Pass
		Inner_1RB_Right	18.41	18.88	21.66	32.41	32.88	35.66	/	Pass
	3624.99	Edge_1RB_Left	17.46	17.91	20.70	31.46	31.91	34.70	/	Pass
		Edge_1RB_Right	17.44	17.88	20.68	31.44	31.88	34.68	/	Pass
		Outer_Full	17.55	17.93	20.76	31.55	31.93	34.75	/	Pass
		Inner_Full	18.49	18.96	21.74	32.49	32.96	35.74	/	Pass
		Inner_1RB_Left	18.34	18.93	21.66	32.34	32.93	35.66	/	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

	3694.98	Inner_1RB_Right	18.55	19.02	21.80	32.55	33.02	35.80	/	Pass
		Edge_1RB_Left	17.80	18.05	20.93	31.80	32.05	34.94	/	Pass
		Edge_1RB_Right	17.86	17.83	20.86	31.86	31.83	34.86	/	Pass
		Outer_Full	17.86	17.80	20.84	31.86	31.80	34.84	/	Pass
		Inner_Full	18.79	18.80	21.80	32.79	32.80	35.81	/	Pass
		Inner_1RB_Left	18.78	18.85	21.82	32.78	32.85	35.83	/	Pass
		Inner_1RB_Right	18.70	18.94	21.83	32.70	32.94	35.83	/	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	16.98	17.39	20.20	30.98	31.39	34.20	/	Pass
		Edge_1RB_Right	17.12	17.38	20.26	31.12	31.38	34.26	/	Pass
		Outer_Full	17.11	17.38	20.26	31.11	31.38	34.26	/	Pass
		Inner_Full	17.08	17.33	20.22	31.08	31.33	34.22	/	Pass
		Inner_1RB_Left	16.99	17.29	20.15	30.99	31.29	34.15	/	Pass
		Inner_1RB_Right	17.15	17.54	20.36	31.15	31.54	34.36	/	Pass
	3624.99	Edge_1RB_Left	17.20	17.34	20.28	31.20	31.34	34.28	/	Pass
		Edge_1RB_Right	16.86	17.20	20.04	30.86	31.20	34.04	/	Pass
		Outer_Full	17.01	17.41	20.22	31.01	31.41	34.22	/	Pass
		Inner_Full	17.04	17.36	20.21	31.04	31.36	34.21	/	Pass
		Inner_1RB_Left	17.03	17.60	20.33	31.03	31.60	34.33	/	Pass
		Inner_1RB_Right	16.95	17.46	20.22	30.95	31.46	34.22	/	Pass
	3694.98	Edge_1RB_Left	17.41	17.27	20.35	31.41	31.27	34.35	/	Pass
		Edge_1RB_Right	17.14	17.14	20.15	31.14	31.14	34.15	/	Pass
		Outer_Full	17.37	17.27	20.33	31.37	31.27	34.33	/	Pass
		Inner_Full	17.32	17.34	20.34	31.32	31.34	34.34	/	Pass
		Inner_1RB_Left	17.27	17.27	20.28	31.27	31.27	34.28	/	Pass
		Inner_1RB_Right	17.32	17.18	20.26	31.32	31.18	34.26	/	Pass
CP-OFDM 256 QAM	3555	Edge_1RB_Left	13.94	14.31	17.14	27.94	28.31	31.14	/	Pass
		Edge_1RB_Right	14.10	14.27	17.19	28.10	28.27	31.20	/	Pass
		Outer_Full	14.08	14.34	17.22	28.08	28.34	31.22	/	Pass
		Inner_Full	14.11	14.41	17.27	28.11	28.41	31.27	/	Pass
		Inner_1RB_Left	14.05	14.40	17.24	28.05	28.40	31.24	/	Pass
		Inner_1RB_Right	14.06	14.32	17.20	28.06	28.32	31.20	/	Pass
	3624.99	Edge_1RB_Left	14.03	14.36	17.21	28.03	28.36	31.21	/	Pass
		Edge_1RB_Right	14.14	14.55	17.36	28.14	28.55	31.36	/	Pass
		Outer_Full	14.06	14.48	17.28	28.06	28.48	31.29	/	Pass
		Inner_Full	14.11	14.50	17.32	28.11	28.50	31.32	/	Pass
		Inner_1RB_Left	13.96	14.63	17.32	27.96	28.63	31.32	/	Pass
		Inner_1RB_Right	14.16	14.59	17.39	28.16	28.59	31.39	/	Pass
	3694.98	Edge_1RB_Left	14.25	14.34	17.30	28.25	28.34	31.31	/	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
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

518057 t (86-755) 26012053 www.sgs.com.cn
518057 t (86-755) 26012053 sgs.china@sgs.com

	Edge_1RB_Right	14.36	14.39	17.38	28.36	28.39	31.39	/	Pass
	Outer_Full	14.39	14.41	17.41	28.39	28.41	31.41	/	Pass
	Inner_Full	14.36	14.47	17.43	28.36	28.47	31.43	/	Pass
	Inner_1RB_Left	14.38	14.33	17.37	28.38	28.33	31.37	/	Pass
	Inner_1RB_Right	14.29	14.28	17.30	28.29	28.28	31.30	/	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.2 30k_MIMO_10MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	17.37	17.41	20.40	31.37	31.41	34.40	<=47	Pass
		Edge_1RB_Right	17.01	16.84	19.94	31.01	30.84	33.94	<=47	Pass
		Outer_Full	17.56	17.44	20.51	31.56	31.44	34.51	<=47	Pass
		Inner_Full	19.38	19.02	22.21	33.38	33.02	36.21	<=47	Pass
		Inner_1RB_Left	19.35	18.93	22.16	33.35	32.93	36.16	<=47	Pass
		Inner_1RB_Right	18.68	19.07	21.89	32.68	33.07	35.89	<=47	Pass
	3624.99	Edge_1RB_Left	10.18	17.74	18.44	24.18	31.74	32.44	<=47	Pass
		Edge_1RB_Right	12.87	17.89	19.08	26.87	31.89	33.08	<=47	Pass
		Outer_Full	15.02	17.66	19.55	29.02	31.66	33.55	<=47	Pass
		Inner_Full	19.28	19.52	22.41	33.28	33.52	36.41	<=47	Pass
		Inner_1RB_Left	19.50	17.14	21.49	33.50	31.14	35.49	<=47	Pass
		Inner_1RB_Right	15.67	18.97	20.64	29.67	32.97	34.64	<=47	Pass
	3694.98	Edge_1RB_Left	14.81	18.36	19.95	28.81	32.36	33.95	<=47	Pass
		Edge_1RB_Right	16.01	18.05	20.16	30.01	32.05	34.16	<=47	Pass
		Outer_Full	18.24	17.44	20.87	32.24	31.44	34.87	<=47	Pass
		Inner_Full	16.38	19.28	21.08	30.38	33.28	35.08	<=47	Pass
		Inner_1RB_Left	20.03	17.40	21.92	34.03	31.40	35.92	<=47	Pass
		Inner_1RB_Right	18.62	19.14	21.90	32.62	33.14	35.90	<=47	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	17.87	17.58	20.74	31.87	31.58	34.74	<=47	Pass
		Edge_1RB_Right	17.67	17.31	20.50	31.67	31.31	34.50	<=47	Pass
		Outer_Full	10.57	17.42	18.24	24.57	31.42	32.24	<=47	Pass
		Inner_Full	18.83	18.55	21.70	32.83	32.55	35.70	<=47	Pass
		Inner_1RB_Left	18.12	18.35	21.25	32.12	32.35	35.25	<=47	Pass



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

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

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

	3624.99	Inner_1RB_Right	18.23	17.95	21.10	32.23	31.95	35.10	<=47	Pass
		Edge_1RB_Left	11.69	18.08	18.98	25.69	32.08	32.98	<=47	Pass
		Edge_1RB_Right	13.63	15.46	17.65	27.63	29.46	31.65	<=47	Pass
		Outer_Full	14.55	18.26	19.80	28.55	32.26	33.80	<=47	Pass
		Inner_Full	17.08	19.39	21.40	31.08	33.39	35.40	<=47	Pass
		Inner_1RB_Left	18.27	18.18	21.24	32.27	32.18	35.24	<=47	Pass
	3694.98	Inner_1RB_Right	18.63	15.06	20.21	32.63	29.06	34.21	<=47	Pass
		Edge_1RB_Left	10.12	17.58	18.30	24.12	31.58	32.30	<=47	Pass
		Edge_1RB_Right	10.45	16.25	17.26	24.45	30.25	31.26	<=47	Pass
		Outer_Full	14.28	17.80	19.40	28.28	31.80	33.40	<=47	Pass
		Inner_Full	19.17	19.15	22.17	33.17	33.15	36.17	<=47	Pass
		Inner_1RB_Left	19.25	15.76	20.86	33.25	29.76	34.86	<=47	Pass
CP-OFDM 64 QAM	3555	Inner_1RB_Right	19.54	18.89	22.24	33.54	32.89	36.24	<=47	Pass
		Edge_1RB_Left	17.13	17.26	20.21	31.13	31.26	34.21	<=47	Pass
		Edge_1RB_Right	17.01	16.75	19.89	31.01	30.75	33.89	<=47	Pass
		Outer_Full	17.39	16.79	20.11	31.39	30.79	34.11	<=47	Pass
		Inner_Full	17.22	17.36	20.30	31.22	31.36	34.30	<=47	Pass
		Inner_1RB_Left	17.08	-22.79	17.08	31.08	-8.79	31.08	<=47	Pass
	3624.99	Inner_1RB_Right	15.18	17.26	19.35	29.18	31.26	33.35	<=47	Pass
		Edge_1RB_Left	14.90	17.55	19.43	28.90	31.55	33.43	<=47	Pass
		Edge_1RB_Right	17.10	15.70	19.47	31.10	29.70	33.47	<=47	Pass
		Outer_Full	13.77	14.47	17.14	27.77	28.47	31.14	<=47	Pass
		Inner_Full	16.71	17.47	20.12	30.71	31.47	34.12	<=47	Pass
		Inner_1RB_Left	16.64	17.40	20.05	30.64	31.40	34.05	<=47	Pass
	3694.98	Inner_1RB_Right	17.38	17.00	20.20	31.38	31.00	34.20	<=47	Pass
		Edge_1RB_Left	15.54	17.20	19.46	29.54	31.20	33.46	<=47	Pass
		Edge_1RB_Right	15.69	15.76	18.74	29.69	29.76	32.74	<=47	Pass
		Outer_Full	15.48	17.30	19.49	29.48	31.30	33.49	<=47	Pass
		Inner_Full	17.33	17.32	20.34	31.33	31.32	34.34	<=47	Pass
		Inner_1RB_Left	15.21	15.31	18.27	29.21	29.31	32.27	<=47	Pass
CP-OFDM 256 QAM	3555	Inner_1RB_Right	16.13	16.85	19.52	30.13	30.85	33.52	<=47	Pass
		Edge_1RB_Left	-33.76	14.18	14.18	-19.76	28.18	28.18	<=47	Pass
		Edge_1RB_Right	14.50	13.96	17.25	28.50	27.96	31.25	<=47	Pass
		Outer_Full	14.30	10.11	15.70	28.30	24.11	29.70	<=47	Pass
		Inner_Full	14.44	14.05	17.26	28.44	28.05	31.26	<=47	Pass
		Inner_1RB_Left	14.39	14.47	17.44	28.39	28.47	31.44	<=47	Pass
	3624.99	Inner_1RB_Right	14.07	14.07	17.08	28.07	28.07	31.08	<=47	Pass
		Edge_1RB_Left	9.55	14.55	15.74	23.55	28.55	29.74	<=47	Pass



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

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

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

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

		Edge_1RB_Right	14.29	15.04	17.69	28.29	29.04	31.69	<=47	Pass
		Outer_Full	14.10	12.21	16.27	28.10	26.21	30.27	<=47	Pass
		Inner_Full	13.56	11.56	15.68	27.56	25.56	29.68	<=47	Pass
		Inner_1RB_Left	13.87	10.10	15.39	27.87	24.10	29.39	<=47	Pass
		Inner_1RB_Right	11.93	15.02	16.75	25.93	29.02	30.75	<=47	Pass
	3694.98	Edge_1RB_Left	12.30	13.97	16.23	26.30	27.97	30.23	<=47	Pass
		Edge_1RB_Right	13.84	14.20	17.03	27.84	28.20	31.03	<=47	Pass
		Outer_Full	14.21	14.63	17.44	28.21	28.63	31.44	<=47	Pass
		Inner_Full	13.82	10.18	15.38	27.82	24.18	29.38	<=47	Pass
		Inner_1RB_Left	11.29	14.16	15.97	25.29	28.16	29.97	<=47	Pass
		Inner_1RB_Right	14.75	5.76	15.27	28.75	19.76	29.27	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.3 30k_MIMO_10MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	18.14	18.74	21.29	32.14	32.74	35.29	<=37	Pass
		Edge_1RB_Right	18.53	18.29	21.42	32.53	32.29	35.42	<=37	Pass
		Outer_Full	9.44	-0.01	9.78	23.44	13.99	23.78	<=37	Pass
		Inner_Full	14.15	13.89	16.65	28.15	27.89	30.65	<=37	Pass
		Inner_1RB_Left	19.82	20.45	22.79	33.82	34.45	36.79	<=37	Pass
		Inner_1RB_Right	19.54	19.84	22.10	33.54	33.84	36.10	<=37	Pass
	3624.99	Edge_1RB_Left	15.20	12.39	16.86	29.20	26.39	30.86	<=37	Pass
		Edge_1RB_Right	17.42	15.17	19.03	31.42	29.17	33.03	<=37	Pass
		Outer_Full	9.34	7.96	11.17	23.34	21.96	25.17	<=37	Pass
		Inner_Full	11.98	14.54	16.27	25.98	28.54	30.27	<=37	Pass
		Inner_1RB_Left	20.00	16.24	21.23	34.00	30.24	35.23	<=37	Pass
		Inner_1RB_Right	19.34	14.94	20.32	33.34	28.94	34.32	<=37	Pass
	3694.98	Edge_1RB_Left	13.48	15.26	17.27	27.48	29.26	31.27	<=37	Pass
		Edge_1RB_Right	18.93	17.67	21.18	32.93	31.67	35.18	<=37	Pass
		Outer_Full	10.33	7.59	11.83	24.33	21.59	25.83	<=37	Pass
		Inner_Full	12.43	10.67	14.23	26.43	24.67	28.23	<=37	Pass
		Inner_1RB_Left	19.91	19.57	22.75	33.91	33.57	36.75	<=37	Pass



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

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

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

		Inner_1RB_Right	14.10	14.92	17.04	28.10	28.92	31.04	<=37	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	18.13	18.25	20.83	32.13	32.25	34.83	<=37	Pass
		Edge_1RB_Right	16.88	18.18	20.42	30.88	32.18	34.42	<=37	Pass
		Outer_Full	9.97	10.35	12.73	23.97	24.35	26.73	<=37	Pass
		Inner_Full	13.74	12.97	16.12	27.74	26.97	30.12	<=37	Pass
		Inner_1RB_Left	19.05	19.38	21.88	33.05	33.38	35.88	<=37	Pass
		Inner_1RB_Right	19.16	19.21	21.88	33.16	33.21	35.88	<=37	Pass
	3624.99	Edge_1RB_Left	17.85	18.95	21.26	31.85	32.95	35.26	<=37	Pass
		Edge_1RB_Right	18.37	18.54	21.34	32.37	32.54	35.34	<=37	Pass
		Outer_Full	9.27	6.91	10.97	23.27	20.91	24.97	<=37	Pass
		Inner_Full	13.58	12.00	15.65	27.58	26.00	29.65	<=37	Pass
		Inner_1RB_Left	19.09	19.25	22.04	33.09	33.25	36.04	<=37	Pass
		Inner_1RB_Right	17.35	19.14	21.18	31.35	33.14	35.18	<=37	Pass
	3694.98	Edge_1RB_Left	18.11	18.25	21.03	32.11	32.25	35.03	<=37	Pass
		Edge_1RB_Right	17.93	12.17	18.63	31.93	26.17	32.63	<=37	Pass
		Outer_Full	9.87	7.82	11.75	23.87	21.82	25.75	<=37	Pass
		Inner_Full	11.90	13.05	15.26	25.90	27.05	29.26	<=37	Pass
		Inner_1RB_Left	19.45	14.07	20.20	33.45	28.07	34.20	<=37	Pass
		Inner_1RB_Right	19.82	19.69	22.56	33.82	33.69	36.56	<=37	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	18.91	11.76	19.13	32.91	25.76	33.13	<=37	Pass
		Edge_1RB_Right	18.04	17.13	20.60	32.04	31.13	34.60	<=37	Pass
		Outer_Full	9.46	9.26	11.95	23.46	23.26	25.95	<=37	Pass
		Inner_Full	11.93	11.57	14.48	25.93	25.57	28.48	<=37	Pass
		Inner_1RB_Left	17.70	17.09	20.35	31.70	31.09	34.35	<=37	Pass
		Inner_1RB_Right	17.82	17.80	20.64	31.82	31.80	34.64	<=37	Pass
	3624.99	Edge_1RB_Left	17.08	17.90	20.39	31.08	31.90	34.39	<=37	Pass
		Edge_1RB_Right	17.44	17.50	20.21	31.44	31.50	34.21	<=37	Pass
		Outer_Full	8.87	8.78	11.49	22.87	22.78	25.49	<=37	Pass
		Inner_Full	7.54	10.25	11.63	21.54	24.25	25.63	<=37	Pass
		Inner_1RB_Left	17.60	17.79	20.22	31.60	31.79	34.22	<=37	Pass
		Inner_1RB_Right	9.98	17.77	18.29	23.98	31.77	32.29	<=37	Pass
	3694.98	Edge_1RB_Left	17.81	18.17	20.86	31.81	32.17	34.86	<=37	Pass
		Edge_1RB_Right	18.85	18.02	21.45	32.85	32.02	35.45	<=37	Pass
		Outer_Full	9.59	6.62	11.06	23.59	20.62	25.06	<=37	Pass
		Inner_Full	9.32	9.93	12.18	23.32	23.93	26.18	<=37	Pass
		Inner_1RB_Left	17.51	18.45	20.69	31.51	32.45	34.69	<=37	Pass
		Inner_1RB_Right	17.76	17.60	20.42	31.76	31.60	34.42	<=37	Pass
CP-OFDM 256	3555	Edge_1RB_Left	14.72	14.44	17.37	28.72	28.44	31.37	<=37	Pass



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

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

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

QAM		Edge_1RB_Right	14.60	14.69	17.55	28.60	28.69	31.55	<=37	Pass
		Outer_Full	6.00	6.10	8.59	20.00	20.10	22.59	<=37	Pass
		Inner_Full	9.05	9.02	11.89	23.05	23.02	25.89	<=37	Pass
		Inner_1RB_Left	15.17	14.37	17.80	29.17	28.37	31.80	<=37	Pass
		Inner_1RB_Right	14.23	14.77	17.24	28.23	28.77	31.24	<=37	Pass
	3624.99	Edge_1RB_Left	14.20	11.88	16.14	28.20	25.88	30.14	<=37	Pass
		Edge_1RB_Right	12.57	15.34	16.70	26.57	29.34	30.70	<=37	Pass
		Outer_Full	6.01	6.55	8.76	20.01	20.55	22.76	<=37	Pass
		Inner_Full	9.21	8.72	11.48	23.21	22.72	25.48	<=37	Pass
		Inner_1RB_Left	14.13	12.85	16.25	28.13	26.85	30.25	<=37	Pass
		Inner_1RB_Right	14.56	14.77	17.56	28.56	28.77	31.56	<=37	Pass
	3694.98	Edge_1RB_Left	14.07	13.93	16.91	28.07	27.93	30.91	<=37	Pass
		Edge_1RB_Right	15.52	13.12	16.99	29.52	27.12	30.99	<=37	Pass
		Outer_Full	6.68	6.47	9.28	20.68	20.47	23.28	<=37	Pass
		Inner_Full	9.66	9.05	12.22	23.66	23.05	26.22	<=37	Pass
		Inner_1RB_Left	15.50	14.98	18.03	29.50	28.98	32.03	<=37	Pass
		Inner_1RB_Right	14.67	15.12	17.49	28.67	29.12	31.49	<=37	Pass
	Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;									
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.4 30k_MIMO_20MHz_NTNV_EIRP

5G NR n48 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	3560.01	Edge_1RB_Left	17.58	18.04	20.83	31.58	32.04	34.83	/	Pass
		Edge_1RB_Right	17.72	18.10	20.92	31.72	32.10	34.92	/	Pass
		Outer_Full	17.71	18.10	20.92	31.71	32.10	34.92	/	Pass
		Inner_Full	19.26	19.60	22.45	33.26	33.60	36.44	/	Pass
		Inner_1RB_Left	19.26	19.51	22.40	33.26	33.51	36.40	/	Pass
		Inner_1RB_Right	19.20	19.67	22.45	33.20	33.67	36.45	/	Pass
	3624.99	Edge_1RB_Left	17.56	18.04	20.82	31.56	32.04	34.82	/	Pass
		Edge_1RB_Right	17.58	17.94	20.77	31.58	31.94	34.77	/	Pass
		Outer_Full	17.59	18.05	20.84	31.59	32.05	34.84	/	Pass
		Inner_Full	19.17	19.52	22.36	33.17	33.52	36.36	/	Pass
		Inner_1RB_Left	19.11	19.63	22.39	33.11	33.63	36.39	/	Pass
		Inner_1RB_Right	19.14	19.52	22.34	33.14	33.52	36.34	/	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

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

	3690	Edge_1RB_Left	17.93	17.88	20.91	31.93	31.88	34.92	/	Pass
		Edge_1RB_Right	17.83	17.77	20.81	31.83	31.77	34.81	/	Pass
		Outer_Full	17.86	17.89	20.89	31.86	31.89	34.89	/	Pass
		Inner_Full	19.47	19.48	22.49	33.47	33.48	36.49	/	Pass
		Inner_1RB_Left	19.47	19.42	22.45	33.47	33.42	36.46	/	Pass
		Inner_1RB_Right	19.47	19.40	22.45	33.47	33.40	36.45	/	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	17.74	18.00	20.88	31.74	32.00	34.88	/	Pass
		Edge_1RB_Right	17.57	18.35	20.99	31.57	32.35	34.99	/	Pass
		Outer_Full	17.75	18.12	20.95	31.75	32.12	34.95	/	Pass
		Inner_Full	18.80	19.18	22.00	32.80	33.18	36.00	/	Pass
		Inner_1RB_Left	18.86	19.09	21.98	32.86	33.09	35.99	/	Pass
		Inner_1RB_Right	18.83	19.34	22.10	32.83	33.34	36.10	/	Pass
	3624.99	Edge_1RB_Left	17.67	18.09	20.90	31.67	32.09	34.90	/	Pass
		Edge_1RB_Right	17.53	18.04	20.80	31.53	32.04	34.80	/	Pass
		Outer_Full	17.58	18.07	20.84	31.58	32.07	34.84	/	Pass
		Inner_Full	18.64	19.07	21.87	32.64	33.07	35.87	/	Pass
		Inner_1RB_Left	18.63	19.48	22.09	32.63	33.48	36.09	/	Pass
		Inner_1RB_Right	18.66	19.03	21.86	32.66	33.03	35.86	/	Pass
	3690	Edge_1RB_Left	17.89	17.84	20.87	31.89	31.84	34.88	/	Pass
		Edge_1RB_Right	17.90	17.97	20.95	31.90	31.97	34.95	/	Pass
		Outer_Full	17.91	17.88	20.91	31.91	31.88	34.91	/	Pass
		Inner_Full	18.91	18.90	21.92	32.91	32.90	35.92	/	Pass
		Inner_1RB_Left	18.83	18.83	21.84	32.83	32.83	35.84	/	Pass
		Inner_1RB_Right	18.90	18.94	21.93	32.90	32.94	35.93	/	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	17.06	17.50	20.30	31.06	31.50	34.30	/	Pass
		Edge_1RB_Right	17.27	17.60	20.45	31.27	31.60	34.45	/	Pass
		Outer_Full	17.26	17.67	20.48	31.26	31.67	34.48	/	Pass
		Inner_Full	17.33	17.63	20.50	31.33	31.63	34.49	/	Pass
		Inner_1RB_Left	17.17	17.52	20.36	31.17	31.52	34.36	/	Pass
		Inner_1RB_Right	17.21	17.82	20.54	31.21	31.82	34.54	/	Pass
	3624.99	Edge_1RB_Left	16.88	17.64	20.29	30.88	31.64	34.29	/	Pass
		Edge_1RB_Right	17.09	17.28	20.19	31.09	31.28	34.20	/	Pass
		Outer_Full	17.12	17.56	20.35	31.12	31.56	34.36	/	Pass
		Inner_Full	17.14	17.56	20.36	31.14	31.56	34.37	/	Pass
		Inner_1RB_Left	17.31	17.75	20.55	31.31	31.75	34.55	/	Pass
		Inner_1RB_Right	17.25	17.22	20.25	31.25	31.22	34.25	/	Pass
	3690	Edge_1RB_Left	17.41	17.35	20.39	31.41	31.35	34.39	/	Pass
		Edge_1RB_Right	17.40	17.43	20.43	31.40	31.43	34.43	/	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

CP-OFDM 256 QAM		Outer_Full	17.39	17.36	20.39	31.39	31.36	34.39	/	Pass
		Inner_Full	17.47	17.40	20.45	31.47	31.40	34.45	/	Pass
		Inner_1RB_Left	17.20	17.35	20.28	31.20	31.35	34.29	/	Pass
		Inner_1RB_Right	17.47	17.44	20.47	31.47	31.44	34.47	/	Pass
	3560.01	Edge_1RB_Left	14.28	14.51	17.41	28.28	28.51	31.41	/	Pass
		Edge_1RB_Right	14.40	14.77	17.60	28.40	28.77	31.60	/	Pass
		Outer_Full	14.26	14.75	17.52	28.26	28.75	31.52	/	Pass
		Inner_Full	14.21	14.69	17.47	28.21	28.69	31.47	/	Pass
		Inner_1RB_Left	14.10	14.55	17.34	28.10	28.55	31.34	/	Pass
		Inner_1RB_Right	14.36	14.73	17.56	28.36	28.73	31.56	/	Pass
	3624.99	Edge_1RB_Left	14.18	14.67	17.44	28.18	28.67	31.44	/	Pass
		Edge_1RB_Right	14.09	14.52	17.32	28.09	28.52	31.32	/	Pass
		Outer_Full	14.22	14.69	17.47	28.22	28.69	31.47	/	Pass
		Inner_Full	14.22	14.66	17.46	28.22	28.66	31.46	/	Pass
		Inner_1RB_Left	14.21	14.82	17.54	28.21	28.82	31.54	/	Pass
		Inner_1RB_Right	14.12	14.68	17.42	28.12	28.68	31.42	/	Pass
	3690	Edge_1RB_Left	14.59	14.43	17.53	28.59	28.43	31.52	/	Pass
		Edge_1RB_Right	14.50	14.45	17.49	28.50	28.45	31.49	/	Pass
		Outer_Full	14.53	14.53	17.54	28.53	28.53	31.54	/	Pass
		Inner_Full	14.55	14.52	17.55	28.55	28.52	31.55	/	Pass
		Inner_1RB_Left	14.32	14.55	17.44	28.32	28.55	31.45	/	Pass
		Inner_1RB_Right	14.38	14.50	17.45	28.38	28.50	31.45	/	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.5 30k_MIMO_20MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	13.73	18.50	19.75	27.73	32.50	33.75	<=47	Pass
		Edge_1RB_Right	17.58	18.49	21.07	31.58	32.49	35.07	<=47	Pass
		Outer_Full	14.94	-33.99	14.94	28.94	-19.99	28.94	<=47	Pass
		Inner_Full	19.26	19.29	22.29	33.26	33.29	36.29	<=47	Pass
		Inner_1RB_Left	19.83	19.22	22.55	33.83	33.22	36.55	<=47	Pass
		Inner_1RB_Right	18.54	19.56	22.09	32.54	33.56	36.09	<=47	Pass



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn
Shenzhen Branch, Standards Technical Services Co., Ltd. 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

	3624.99	Edge_1RB_Left	13.92	18.02	19.45	27.92	32.02	33.45	<=47	Pass
		Edge_1RB_Right	15.87	18.41	20.33	29.87	32.41	34.33	<=47	Pass
		Outer_Full	15.19	11.37	16.70	29.19	25.37	30.70	<=47	Pass
		Inner_Full	19.20	19.98	22.62	33.20	33.98	36.62	<=47	Pass
		Inner_1RB_Left	17.38	19.40	21.52	31.38	33.40	35.52	<=47	Pass
		Inner_1RB_Right	19.48	17.27	21.52	33.48	31.27	35.52	<=47	Pass
	3690	Edge_1RB_Left	18.06	12.18	19.06	32.06	26.18	33.06	<=47	Pass
		Edge_1RB_Right	17.32	17.68	20.51	31.32	31.68	34.51	<=47	Pass
		Outer_Full	15.44	15.85	18.66	29.44	29.85	32.66	<=47	Pass
		Inner_Full	20.07	19.72	22.91	34.07	33.72	36.91	<=47	Pass
		Inner_1RB_Left	19.27	19.04	22.17	33.27	33.04	36.17	<=47	Pass
		Inner_1RB_Right	19.78	18.97	22.40	33.78	32.97	36.40	<=47	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	17.40	18.26	20.86	31.40	32.26	34.86	<=47	Pass
		Edge_1RB_Right	17.26	13.96	18.93	31.26	27.96	32.93	<=47	Pass
		Outer_Full	10.40	15.21	16.45	24.40	29.21	30.45	<=47	Pass
		Inner_Full	18.93	18.82	21.89	32.93	32.82	35.89	<=47	Pass
		Inner_1RB_Left	-33.94	19.37	19.37	-19.94	33.37	33.37	<=47	Pass
		Inner_1RB_Right	18.74	18.98	21.87	32.74	32.98	35.87	<=47	Pass
	3624.99	Edge_1RB_Left	17.30	13.83	18.91	31.30	27.83	32.91	<=47	Pass
		Edge_1RB_Right	14.74	18.01	19.69	28.74	32.01	33.69	<=47	Pass
		Outer_Full	15.08	11.87	16.78	29.08	25.87	30.78	<=47	Pass
		Inner_Full	18.87	19.18	22.04	32.87	33.18	36.04	<=47	Pass
		Inner_1RB_Left	12.95	18.58	19.63	26.95	32.58	33.63	<=47	Pass
		Inner_1RB_Right	19.11	15.90	20.81	33.11	29.90	34.81	<=47	Pass
	3690	Edge_1RB_Left	18.80	18.11	21.48	32.80	32.11	35.48	<=47	Pass
		Edge_1RB_Right	14.80	18.46	20.01	28.80	32.46	34.01	<=47	Pass
		Outer_Full	14.58	15.37	18.00	28.58	29.37	32.00	<=47	Pass
		Inner_Full	18.82	19.10	21.97	32.82	33.10	35.97	<=47	Pass
		Inner_1RB_Left	18.13	19.66	21.97	32.13	33.66	35.97	<=47	Pass
		Inner_1RB_Right	19.61	17.96	21.87	33.61	31.96	35.87	<=47	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	18.05	13.99	19.49	32.05	27.99	33.49	<=47	Pass
		Edge_1RB_Right	17.43	17.42	20.44	31.43	31.42	34.44	<=47	Pass
		Outer_Full	14.63	14.60	17.63	28.63	28.60	31.63	<=47	Pass
		Inner_Full	17.49	16.97	20.25	31.49	30.97	34.25	<=47	Pass
		Inner_1RB_Left	17.84	17.41	20.64	31.84	31.41	34.64	<=47	Pass
		Inner_1RB_Right	16.85	17.46	20.18	30.85	31.46	34.18	<=47	Pass
	3624.99	Edge_1RB_Left	15.88	13.71	17.94	29.88	27.71	31.94	<=47	Pass
		Edge_1RB_Right	16.87	18.12	20.55	30.87	32.12	34.55	<=47	Pass



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

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

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

		Outer_Full	14.81	15.34	18.09	28.81	29.34	32.09	<=47	Pass
		Inner_Full	17.12	15.75	19.50	31.12	29.75	33.50	<=47	Pass
		Inner_1RB_Left	12.14	18.11	19.09	26.14	32.11	33.09	<=47	Pass
		Inner_1RB_Right	16.88	15.84	19.40	30.88	29.84	33.40	<=47	Pass
	3690	Edge_1RB_Left	18.06	18.23	21.16	32.06	32.23	35.16	<=47	Pass
		Edge_1RB_Right	12.52	17.82	18.94	26.52	31.82	32.94	<=47	Pass
		Outer_Full	15.01	14.71	17.87	29.01	28.71	31.87	<=47	Pass
		Inner_Full	17.13	15.63	19.45	31.13	29.63	33.45	<=47	Pass
		Inner_1RB_Left	15.07	13.05	17.19	29.07	27.05	31.19	<=47	Pass
		Inner_1RB_Right	18.49	15.62	20.30	32.49	29.62	34.30	<=47	Pass
CP-OFDM 256 QAM	3560.01	Edge_1RB_Left	13.76	14.58	17.20	27.76	28.58	31.20	<=47	Pass
		Edge_1RB_Right	14.34	13.66	17.02	28.34	27.66	31.02	<=47	Pass
		Outer_Full	11.83	11.90	14.88	25.83	25.90	28.88	<=47	Pass
		Inner_Full	14.87	14.25	17.58	28.87	28.25	31.58	<=47	Pass
		Inner_1RB_Left	-33.98	14.55	14.55	-19.98	28.55	28.55	<=47	Pass
		Inner_1RB_Right	13.57	15.18	17.46	27.57	29.18	31.46	<=47	Pass
	3624.99	Edge_1RB_Left	14.43	13.86	17.16	28.43	27.86	31.16	<=47	Pass
		Edge_1RB_Right	9.61	15.18	16.24	23.61	29.18	30.24	<=47	Pass
		Outer_Full	11.61	12.32	14.99	25.61	26.32	28.99	<=47	Pass
		Inner_Full	14.25	12.76	16.58	28.25	26.76	30.58	<=47	Pass
		Inner_1RB_Left	11.74	15.19	16.81	25.74	29.19	30.81	<=47	Pass
		Inner_1RB_Right	9.84	14.76	15.97	23.84	28.76	29.97	<=47	Pass
	3690	Edge_1RB_Left	14.20	14.22	17.22	28.20	28.22	31.22	<=47	Pass
		Edge_1RB_Right	12.84	14.09	16.52	26.84	28.09	30.52	<=47	Pass
		Outer_Full	12.13	11.58	14.87	26.13	25.58	28.87	<=47	Pass
		Inner_Full	14.65	14.76	17.72	28.65	28.76	31.72	<=47	Pass
		Inner_1RB_Left	14.29	14.69	17.50	28.29	28.69	31.50	<=47	Pass
		Inner_1RB_Right	15.79	13.78	17.91	29.79	27.78	31.91	<=47	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;										
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.6 30k_MIMO_20MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	



Unless otherwise agreed 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

CP-OFDM QPSK	3560.01	Edge_1RB_Left	17.66	18.51	21.12	31.66	32.51	35.12	<=37	Pass
		Edge_1RB_Right	18.13	18.97	21.08	32.13	32.97	35.08	<=37	Pass
		Outer_Full	6.54	6.25	9.19	20.54	20.25	23.19	<=37	Pass
		Inner_Full	11.25	11.32	14.12	25.25	25.32	28.12	<=37	Pass
		Inner_1RB_Left	20.09	19.35	22.65	34.09	33.35	36.65	<=37	Pass
		Inner_1RB_Right	19.69	19.75	22.63	33.69	33.75	36.63	<=37	Pass
	3624.99	Edge_1RB_Left	17.58	15.32	19.61	31.58	29.32	33.61	<=37	Pass
		Edge_1RB_Right	17.92	13.14	19.08	31.92	27.14	33.08	<=37	Pass
		Outer_Full	4.58	6.83	8.40	18.58	20.83	22.40	<=37	Pass
		Inner_Full	10.79	11.77	14.06	24.79	25.77	28.06	<=37	Pass
		Inner_1RB_Left	19.45	20.69	22.73	33.45	34.69	36.73	<=37	Pass
		Inner_1RB_Right	19.65	19.72	22.59	33.65	33.72	36.59	<=37	Pass
	3690	Edge_1RB_Left	15.38	18.12	19.88	29.38	32.12	33.88	<=37	Pass
		Edge_1RB_Right	19.06	18.28	21.70	33.06	32.28	35.70	<=37	Pass
		Outer_Full	5.28	6.57	8.44	19.28	20.57	22.44	<=37	Pass
		Inner_Full	9.35	11.02	13.01	23.35	25.02	27.01	<=37	Pass
		Inner_1RB_Left	19.81	19.39	22.33	33.81	33.39	36.33	<=37	Pass
		Inner_1RB_Right	20.10	14.05	20.75	34.10	28.05	34.75	<=37	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	18.83	18.01	21.03	32.83	32.01	35.03	<=37	Pass
		Edge_1RB_Right	18.59	18.18	21.25	32.59	32.18	35.25	<=37	Pass
		Outer_Full	6.62	6.97	9.44	20.62	20.97	23.44	<=37	Pass
		Inner_Full	10.61	10.77	13.32	24.61	24.77	27.32	<=37	Pass
		Inner_1RB_Left	19.85	19.83	22.62	33.85	33.83	36.62	<=37	Pass
		Inner_1RB_Right	18.80	18.02	21.44	32.80	32.02	35.44	<=37	Pass
	3624.99	Edge_1RB_Left	18.12	16.81	20.39	32.12	30.81	34.39	<=37	Pass
		Edge_1RB_Right	17.81	17.88	20.54	31.81	31.88	34.54	<=37	Pass
		Outer_Full	3.99	6.80	8.31	17.99	20.80	22.31	<=37	Pass
		Inner_Full	7.20	10.98	12.19	21.20	24.98	26.19	<=37	Pass
		Inner_1RB_Left	19.52	14.28	20.36	33.52	28.28	34.36	<=37	Pass
		Inner_1RB_Right	19.25	13.92	19.94	33.25	27.92	33.94	<=37	Pass
	3690	Edge_1RB_Left	17.34	16.81	19.72	31.34	30.81	33.72	<=37	Pass
		Edge_1RB_Right	18.53	19.32	21.84	32.53	33.32	35.84	<=37	Pass
		Outer_Full	6.23	6.34	9.15	20.23	20.34	23.15	<=37	Pass
		Inner_Full	10.81	11.03	13.77	24.81	25.03	27.77	<=37	Pass
		Inner_1RB_Left	20.07	19.65	22.85	34.07	33.65	36.85	<=37	Pass
		Inner_1RB_Right	15.31	19.39	20.57	29.31	33.39	34.57	<=37	Pass
CP-OFDM 64 QAM	3560.01	Edge_1RB_Left	17.69	17.75	20.53	31.69	31.75	34.53	<=37	Pass
		Edge_1RB_Right	16.80	18.19	20.44	30.80	32.19	34.44	<=37	Pass



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

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

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

		Outer_Full	6.13	6.48	8.78	20.13	20.48	22.78	<=37	Pass	
		Inner_Full	9.29	8.13	11.33	23.29	22.13	25.33	<=37	Pass	
		Inner_1RB_Left	17.76	17.17	20.45	31.76	31.17	34.45	<=37	Pass	
		Inner_1RB_Right	17.20	17.94	20.59	31.20	31.94	34.59	<=37	Pass	
	3624.99	Edge_1RB_Left	16.62	16.18	19.34	30.62	30.18	33.34	<=37	Pass	
		Edge_1RB_Right	16.87	15.97	19.17	30.87	29.97	33.17	<=37	Pass	
		Outer_Full	4.53	6.13	8.10	18.53	20.13	22.10	<=37	Pass	
		Inner_Full	8.52	9.41	11.78	22.52	23.41	25.78	<=37	Pass	
		Inner_1RB_Left	16.98	17.43	20.22	30.98	31.43	34.22	<=37	Pass	
		Inner_1RB_Right	17.48	16.21	19.66	31.48	30.21	33.66	<=37	Pass	
	3690	Edge_1RB_Left	18.20	17.11	20.44	32.20	31.11	34.44	<=37	Pass	
		Edge_1RB_Right	13.28	17.30	18.55	27.28	31.30	32.55	<=37	Pass	
		Outer_Full	5.25	6.00	8.25	19.25	20.00	22.25	<=37	Pass	
		Inner_Full	9.18	5.21	10.28	23.18	19.21	24.28	<=37	Pass	
		Inner_1RB_Left	16.25	17.36	19.85	30.25	31.36	33.85	<=37	Pass	
		Inner_1RB_Right	18.91	17.66	21.27	32.91	31.66	35.27	<=37	Pass	
	CP-OFDM 256 QAM	3560.01	Edge_1RB_Left	14.34	14.50	17.43	28.34	28.50	31.43	<=37	Pass
			Edge_1RB_Right	14.50	14.14	17.32	28.50	28.14	31.32	<=37	Pass
Outer_Full			2.91	3.33	5.84	16.91	17.33	19.84	<=37	Pass	
Inner_Full			6.50	5.71	8.87	20.50	19.71	22.87	<=37	Pass	
Inner_1RB_Left			14.12	14.97	17.58	28.12	28.97	31.58	<=37	Pass	
Inner_1RB_Right			16.07	15.07	18.38	30.07	29.07	32.38	<=37	Pass	
3624.99		Edge_1RB_Left	14.27	12.38	16.23	28.27	26.38	30.23	<=37	Pass	
		Edge_1RB_Right	14.59	13.52	16.77	28.59	27.52	30.77	<=37	Pass	
		Outer_Full	2.44	3.59	5.63	16.44	17.59	19.63	<=37	Pass	
		Inner_Full	5.74	6.24	8.85	19.74	20.24	22.85	<=37	Pass	
		Inner_1RB_Left	13.89	14.21	17.05	27.89	28.21	31.05	<=37	Pass	
		Inner_1RB_Right	8.10	15.21	15.95	22.10	29.21	29.95	<=37	Pass	
3690		Edge_1RB_Left	14.54	11.90	16.19	28.54	25.90	30.19	<=37	Pass	
		Edge_1RB_Right	14.93	14.43	17.69	28.93	28.43	31.69	<=37	Pass	
		Outer_Full	3.60	3.31	6.15	17.60	17.31	20.15	<=37	Pass	
		Inner_Full	6.11	6.19	8.74	20.11	20.19	22.74	<=37	Pass	
		Inner_1RB_Left	14.91	13.78	17.39	28.91	27.78	31.39	<=37	Pass	
		Inner_1RB_Right	14.63	14.75	17.42	28.63	28.75	31.42	<=37	Pass	
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;											
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP 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

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

1.1.7 30k_MIMO_30MHz_NTNV_EIRP

5G NR n48 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	3565.02	Edge_1RB_Left	17.91	18.06	21.00	31.91	32.06	35.00	/	Pass
		Edge_1RB_Right	17.62	18.04	20.85	31.62	32.04	34.85	/	Pass
		Outer_Full	17.77	18.06	20.92	31.77	32.06	34.93	/	Pass
		Inner_Full	19.22	19.75	22.50	33.22	33.75	36.50	/	Pass
		Inner_1RB_Left	19.29	19.62	22.47	33.29	33.62	36.47	/	Pass
		Inner_1RB_Right	19.18	19.47	22.34	33.18	33.47	36.34	/	Pass
	3624.99	Edge_1RB_Left	17.88	18.22	21.06	31.88	32.22	35.06	/	Pass
		Edge_1RB_Right	17.69	18.08	20.90	31.69	32.08	34.90	/	Pass
		Outer_Full	17.69	18.25	20.99	31.69	32.25	34.99	/	Pass
		Inner_Full	19.19	19.70	22.46	33.19	33.70	36.46	/	Pass
		Inner_1RB_Left	19.10	19.75	22.45	33.10	33.75	36.45	/	Pass
		Inner_1RB_Right	19.16	19.55	22.37	33.16	33.55	36.37	/	Pass
	3684.99	Edge_1RB_Left	17.94	18.01	20.99	31.94	32.01	34.99	/	Pass
		Edge_1RB_Right	17.87	17.72	20.80	31.87	31.72	34.81	/	Pass
		Outer_Full	17.93	17.89	20.92	31.93	31.89	34.92	/	Pass
		Inner_Full	19.50	19.49	22.50	33.50	33.49	36.51	/	Pass
		Inner_1RB_Left	19.48	19.50	22.50	33.48	33.50	36.50	/	Pass
		Inner_1RB_Right	19.40	19.42	22.42	33.40	33.42	36.42	/	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	17.88	17.98	20.94	31.88	31.98	34.94	/	Pass
		Edge_1RB_Right	17.64	17.96	20.82	31.64	31.96	34.81	/	Pass
		Outer_Full	17.70	18.20	20.97	31.70	32.20	34.97	/	Pass
		Inner_Full	18.69	19.18	21.95	32.69	33.18	35.95	/	Pass
		Inner_1RB_Left	19.16	19.08	22.13	33.16	33.08	36.13	/	Pass
		Inner_1RB_Right	18.86	19.01	21.95	32.86	33.01	35.95	/	Pass
	3624.99	Edge_1RB_Left	17.57	18.41	21.02	31.57	32.41	35.02	/	Pass
		Edge_1RB_Right	17.74	18.09	20.93	31.74	32.09	34.93	/	Pass
		Outer_Full	17.73	18.16	20.96	31.73	32.16	34.96	/	Pass
		Inner_Full	18.73	19.16	21.96	32.73	33.16	35.96	/	Pass
		Inner_1RB_Left	18.70	19.38	22.06	32.70	33.38	36.06	/	Pass
		Inner_1RB_Right	18.63	19.19	21.93	32.63	33.19	35.93	/	Pass
	3684.99	Edge_1RB_Left	18.14	17.83	21.00	32.14	31.83	35.00	/	Pass
		Edge_1RB_Right	17.97	17.89	20.94	31.97	31.89	34.94	/	Pass
		Outer_Full	18.00	17.95	20.99	32.00	31.95	34.99	/	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.Docheck@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

CP-OFDM 64 QAM		Inner_Full	18.93	18.96	21.95	32.93	32.96	35.96	/	Pass
		Inner_1RB_Left	18.91	18.89	21.91	32.91	32.89	35.91	/	Pass
		Inner_1RB_Right	19.26	19.09	22.19	33.26	33.09	36.19	/	Pass
	3565.02	Edge_1RB_Left	17.45	17.71	20.60	31.45	31.71	34.59	/	Pass
		Edge_1RB_Right	17.32	17.57	20.46	31.32	31.57	34.46	/	Pass
		Outer_Full	17.21	17.66	20.45	31.21	31.66	34.45	/	Pass
		Inner_Full	17.20	17.69	20.46	31.20	31.69	34.46	/	Pass
		Inner_1RB_Left	17.42	17.67	20.56	31.42	31.67	34.56	/	Pass
		Inner_1RB_Right	17.37	17.46	20.43	31.37	31.46	34.43	/	Pass
	3624.99	Edge_1RB_Left	17.31	17.78	20.56	31.31	31.78	34.56	/	Pass
		Edge_1RB_Right	17.33	17.50	20.43	31.33	31.50	34.43	/	Pass
		Outer_Full	17.25	17.73	20.51	31.25	31.73	34.51	/	Pass
		Inner_Full	17.24	17.67	20.47	31.24	31.67	34.47	/	Pass
		Inner_1RB_Left	17.21	17.72	20.48	31.21	31.72	34.48	/	Pass
		Inner_1RB_Right	17.23	17.37	20.31	31.23	31.37	34.31	/	Pass
	3684.99	Edge_1RB_Left	17.62	17.43	20.54	31.62	31.43	34.54	/	Pass
		Edge_1RB_Right	17.49	17.51	20.51	31.49	31.51	34.51	/	Pass
		Outer_Full	17.54	17.46	20.51	31.54	31.46	34.51	/	Pass
		Inner_Full	17.47	17.58	20.53	31.47	31.58	34.54	/	Pass
		Inner_1RB_Left	17.43	17.54	20.49	31.43	31.54	34.50	/	Pass
		Inner_1RB_Right	17.63	17.46	20.55	31.63	31.46	34.56	/	Pass
CP-OFDM 256 QAM	3565.02	Edge_1RB_Left	14.39	14.50	17.45	28.39	28.50	31.46	/	Pass
		Edge_1RB_Right	14.21	14.56	17.40	28.21	28.56	31.40	/	Pass
		Outer_Full	14.25	14.61	17.44	28.25	28.61	31.44	/	Pass
		Inner_Full	14.28	14.65	17.48	28.28	28.65	31.48	/	Pass
		Inner_1RB_Left	14.28	14.56	17.43	28.28	28.56	31.43	/	Pass
		Inner_1RB_Right	14.21	14.60	17.42	28.21	28.60	31.42	/	Pass
	3624.99	Edge_1RB_Left	14.27	14.75	17.53	28.27	28.75	31.53	/	Pass
		Edge_1RB_Right	14.10	14.57	17.35	28.10	28.57	31.35	/	Pass
		Outer_Full	14.32	14.82	17.59	28.32	28.82	31.59	/	Pass
		Inner_Full	14.28	14.79	17.55	28.28	28.79	31.55	/	Pass
		Inner_1RB_Left	14.31	14.71	17.53	28.31	28.71	31.52	/	Pass
		Inner_1RB_Right	14.17	14.56	17.38	28.17	28.56	31.38	/	Pass
	3684.99	Edge_1RB_Left	14.49	14.45	17.48	28.49	28.45	31.48	/	Pass
		Edge_1RB_Right	14.58	14.59	17.60	28.58	28.59	31.60	/	Pass
		Outer_Full	14.50	14.61	17.56	28.50	28.61	31.57	/	Pass
		Inner_Full	14.49	14.62	17.57	28.49	28.62	31.57	/	Pass
		Inner_1RB_Left	14.51	14.57	17.55	28.51	28.57	31.55	/	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

		Inner_1RB_Right	14.38	14.75	17.58	28.38	28.75	31.58	/	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

1.1.8 30k_MIMO_30MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge_1RB_Left	17.56	18.44	21.03	31.56	32.44	35.03	<=47	Pass
		Edge_1RB_Right	17.13	17.87	20.53	31.13	31.87	34.53	<=47	Pass
		Outer_Full	9.78	13.47	15.02	23.78	27.47	29.02	<=47	Pass
		Inner_Full	13.62	18.06	19.39	27.62	32.06	33.39	<=47	Pass
		Inner_1RB_Left	19.77	19.37	22.58	33.77	33.37	36.58	<=47	Pass
		Inner_1RB_Right	18.60	19.17	21.90	32.60	33.17	35.90	<=47	Pass
	3624.99	Edge_1RB_Left	15.66	17.69	19.80	29.66	31.69	33.80	<=47	Pass
		Edge_1RB_Right	14.25	17.48	19.17	28.25	31.48	33.17	<=47	Pass
		Outer_Full	13.30	13.75	16.54	27.30	27.75	30.54	<=47	Pass
		Inner_Full	17.71	17.40	20.57	31.71	31.40	34.57	<=47	Pass
		Inner_1RB_Left	17.42	19.55	21.62	31.42	33.55	35.62	<=47	Pass
		Inner_1RB_Right	18.80	18.02	21.44	32.80	32.02	35.44	<=47	Pass
	3684.99	Edge_1RB_Left	18.47	18.25	21.37	32.47	32.25	35.37	<=47	Pass
		Edge_1RB_Right	12.37	17.27	18.49	26.37	31.27	32.49	<=47	Pass
		Outer_Full	13.71	13.50	16.62	27.71	27.50	30.62	<=47	Pass
		Inner_Full	14.32	18.30	19.76	28.32	32.30	33.76	<=47	Pass
		Inner_1RB_Left	14.32	19.66	20.77	28.32	33.66	34.77	<=47	Pass
		Inner_1RB_Right	19.56	19.50	22.54	33.56	33.50	36.54	<=47	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	17.41	18.15	20.81	31.41	32.15	34.81	<=47	Pass
		Edge_1RB_Right	17.47	19.12	21.38	31.47	33.12	35.38	<=47	Pass
		Outer_Full	6.71	12.93	13.86	20.71	26.93	27.86	<=47	Pass
		Inner_Full	15.49	18.03	19.95	29.49	32.03	33.95	<=47	Pass
		Inner_1RB_Left	18.78	18.66	21.73	32.78	32.66	35.73	<=47	Pass
		Inner_1RB_Right	18.78	17.93	21.39	32.78	31.93	35.39	<=47	Pass
	3624.99	Edge_1RB_Left	17.20	16.20	19.74	31.20	30.20	33.74	<=47	Pass
		Edge_1RB_Right	15.74	18.34	20.24	29.74	32.34	34.24	<=47	Pass
		Outer_Full	13.22	13.98	16.63	27.22	27.98	30.63	<=47	Pass



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

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

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

		Inner_Full	15.60	16.17	18.90	29.60	30.17	32.90	<=47	Pass
		Inner_1RB_Left	17.21	19.50	21.51	31.21	33.50	35.51	<=47	Pass
		Inner_1RB_Right	12.48	16.41	17.89	26.48	30.41	31.89	<=47	Pass
	3684.99	Edge_1RB_Left	16.80	18.28	20.61	30.80	32.28	34.61	<=47	Pass
		Edge_1RB_Right	16.63	17.97	20.36	30.63	31.97	34.36	<=47	Pass
		Outer_Full	13.66	12.78	16.25	27.66	26.78	30.25	<=47	Pass
		Inner_Full	17.25	17.46	20.37	31.25	31.46	34.37	<=47	Pass
		Inner_1RB_Left	19.74	19.40	22.58	33.74	33.40	36.58	<=47	Pass
		Inner_1RB_Right	19.48	19.38	22.44	33.48	33.38	36.44	<=47	Pass
CP-OFDM 64 QAM	3565.02	Edge_1RB_Left	17.93	18.51	21.24	31.93	32.51	35.24	<=47	Pass
		Edge_1RB_Right	15.47	15.06	18.28	29.47	29.06	32.28	<=47	Pass
		Outer_Full	6.02	12.74	13.58	20.02	26.74	27.58	<=47	Pass
		Inner_Full	11.53	15.99	17.32	25.53	29.99	31.32	<=47	Pass
		Inner_1RB_Left	16.61	16.54	19.59	30.61	30.54	33.59	<=47	Pass
		Inner_1RB_Right	17.86	18.07	20.98	31.86	32.07	34.98	<=47	Pass
	3624.99	Edge_1RB_Left	17.64	17.65	20.66	31.64	31.65	34.66	<=47	Pass
		Edge_1RB_Right	15.37	16.69	19.09	29.37	30.69	33.09	<=47	Pass
		Outer_Full	12.78	13.52	16.18	26.78	27.52	30.18	<=47	Pass
		Inner_Full	15.82	16.66	19.27	29.82	30.66	33.27	<=47	Pass
		Inner_1RB_Left	14.76	17.67	19.46	28.76	31.67	33.46	<=47	Pass
		Inner_1RB_Right	14.14	15.27	17.75	28.14	29.27	31.75	<=47	Pass
	3684.99	Edge_1RB_Left	10.13	17.94	18.61	24.13	31.94	32.61	<=47	Pass
		Edge_1RB_Right	16.28	17.86	20.15	30.28	31.86	34.15	<=47	Pass
		Outer_Full	7.63	13.26	14.31	21.63	27.26	28.31	<=47	Pass
		Inner_Full	15.36	16.43	18.94	29.36	30.43	32.94	<=47	Pass
		Inner_1RB_Left	17.99	14.07	19.47	31.99	28.07	33.47	<=47	Pass
		Inner_1RB_Right	17.61	17.79	20.71	31.61	31.79	34.71	<=47	Pass
CP-OFDM 256 QAM	3565.02	Edge_1RB_Left	13.64	14.58	17.15	27.64	28.58	31.15	<=47	Pass
		Edge_1RB_Right	12.76	14.52	16.74	26.76	28.52	30.74	<=47	Pass
		Outer_Full	9.37	10.05	12.73	23.37	24.05	26.73	<=47	Pass
		Inner_Full	12.90	13.18	16.05	26.90	27.18	30.05	<=47	Pass
		Inner_1RB_Left	13.79	15.25	17.59	27.79	29.25	31.59	<=47	Pass
		Inner_1RB_Right	13.51	15.04	17.35	27.51	29.04	31.35	<=47	Pass
	3624.99	Edge_1RB_Left	12.24	14.61	16.60	26.24	28.61	30.60	<=47	Pass
		Edge_1RB_Right	11.12	14.69	16.27	25.12	28.69	30.27	<=47	Pass
		Outer_Full	9.53	10.10	12.83	23.53	24.10	26.83	<=47	Pass
		Inner_Full	12.06	13.05	15.59	26.06	27.05	29.59	<=47	Pass
		Inner_1RB_Left	12.21	12.55	15.39	26.21	26.55	29.39	<=47	Pass



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

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

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

		Inner_1RB_Right	14.34	14.84	17.61	28.34	28.84	31.61	<=47	Pass
	3684.99	Edge_1RB_Left	6.05	14.96	15.49	20.05	28.96	29.49	<=47	Pass
		Edge_1RB_Right	15.25	12.52	17.11	29.25	26.52	31.11	<=47	Pass
		Outer_Full	5.02	9.84	11.08	19.02	23.84	25.08	<=47	Pass
		Inner_Full	11.99	12.20	15.11	25.99	26.20	29.11	<=47	Pass
		Inner_1RB_Left	14.66	14.75	17.72	28.66	28.75	31.72	<=47	Pass
		Inner_1RB_Right	14.81	14.59	17.71	28.81	28.59	31.71	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.9 30k_MIMO_30MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3565.02	Edge_1RB_Left	18.65	17.91	21.24	32.65	31.91	35.24	<=37	Pass
		Edge_1RB_Right	17.31	16.69	20.02	31.31	30.69	34.02	<=37	Pass
		Outer_Full	3.56	4.84	6.85	17.56	18.84	20.85	<=37	Pass
		Inner_Full	9.27	7.94	11.33	23.27	21.94	25.33	<=37	Pass
		Inner_1RB_Left	19.46	20.56	23.00	33.46	34.56	37.00	<=37	Pass
		Inner_1RB_Right	14.19	17.88	19.40	28.19	31.88	33.40	<=37	Pass
	3624.99	Edge_1RB_Left	12.95	17.71	18.73	26.95	31.71	32.73	<=37	Pass
		Edge_1RB_Right	18.02	15.29	19.68	32.02	29.29	33.68	<=37	Pass
		Outer_Full	4.28	5.45	7.49	18.28	19.45	21.49	<=37	Pass
		Inner_Full	8.57	8.27	11.05	22.57	22.27	25.05	<=37	Pass
		Inner_1RB_Left	20.34	18.56	22.51	34.34	32.56	36.51	<=37	Pass
		Inner_1RB_Right	13.47	19.80	20.47	27.47	33.80	34.47	<=37	Pass
	3684.99	Edge_1RB_Left	18.90	17.34	21.19	32.90	31.34	35.19	<=37	Pass
		Edge_1RB_Right	17.05	7.82	17.45	31.05	21.82	31.45	<=37	Pass
		Outer_Full	4.78	4.95	7.63	18.78	18.95	21.63	<=37	Pass
		Inner_Full	9.04	9.07	11.92	23.04	23.07	25.92	<=37	Pass
		Inner_1RB_Left	19.24	19.48	22.28	33.24	33.48	36.28	<=37	Pass
		Inner_1RB_Right	19.52	18.93	22.15	33.52	32.93	36.15	<=37	Pass
CP-OFDM 16 QAM	3565.02	Edge_1RB_Left	17.64	18.25	20.97	31.64	32.25	34.97	<=37	Pass
		Edge_1RB_Right	15.22	18.75	20.26	29.22	32.75	34.26	<=37	Pass
		Outer_Full	4.11	3.56	6.40	18.11	17.56	20.40	<=37	Pass



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

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

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

		Inner_Full	8.43	8.76	11.23	22.43	22.76	25.23	<=37	Pass
		Inner_1RB_Left	19.84	19.37	22.59	33.84	33.37	36.59	<=37	Pass
		Inner_1RB_Right	18.70	20.11	22.47	32.70	34.11	36.47	<=37	Pass
	3624.99	Edge_1RB_Left	15.80	10.35	16.47	29.80	24.35	30.47	<=37	Pass
		Edge_1RB_Right	18.01	16.39	20.12	32.01	30.39	34.12	<=37	Pass
		Outer_Full	4.70	5.25	7.79	18.70	19.25	21.79	<=37	Pass
		Inner_Full	6.47	8.96	10.77	20.47	22.96	24.77	<=37	Pass
		Inner_1RB_Left	18.42	17.37	20.73	32.42	31.37	34.73	<=37	Pass
		Inner_1RB_Right	13.01	17.60	18.85	27.01	31.60	32.85	<=37	Pass
		Edge_1RB_Left	19.08	16.88	20.88	33.08	30.88	34.88	<=37	Pass
	3684.99	Edge_1RB_Right	18.26	15.04	19.59	32.26	29.04	33.59	<=37	Pass
		Outer_Full	5.19	4.98	7.76	19.19	18.98	21.76	<=37	Pass
		Inner_Full	7.15	8.27	10.33	21.15	22.27	24.33	<=37	Pass
		Inner_1RB_Left	15.77	18.89	20.62	29.77	32.89	34.62	<=37	Pass
		Inner_1RB_Right	19.11	16.34	20.90	33.11	30.34	34.90	<=37	Pass
CP-OFDM 64 QAM	3565.02	Edge_1RB_Left	18.36	18.13	20.77	32.36	32.13	34.77	<=37	Pass
		Edge_1RB_Right	11.77	18.44	19.15	25.77	32.44	33.15	<=37	Pass
		Outer_Full	3.38	4.01	5.99	17.38	18.01	19.99	<=37	Pass
		Inner_Full	7.19	8.05	10.47	21.19	22.05	24.47	<=37	Pass
		Inner_1RB_Left	17.51	17.57	20.39	31.51	31.57	34.39	<=37	Pass
	3624.99	Inner_1RB_Right	18.08	15.60	19.73	32.08	29.60	33.73	<=37	Pass
		Edge_1RB_Left	15.66	15.61	18.60	29.66	29.61	32.60	<=37	Pass
		Edge_1RB_Right	17.45	17.35	20.41	31.45	31.35	34.41	<=37	Pass
		Outer_Full	4.10	3.26	6.49	18.10	17.26	20.49	<=37	Pass
		Inner_Full	5.49	7.69	9.36	19.49	21.69	23.36	<=37	Pass
	3684.99	Inner_1RB_Left	17.38	17.92	20.67	31.38	31.92	34.67	<=37	Pass
		Inner_1RB_Right	15.57	18.14	20.03	29.57	32.14	34.03	<=37	Pass
		Edge_1RB_Left	17.31	10.79	18.09	31.31	24.79	32.09	<=37	Pass
		Edge_1RB_Right	18.51	16.73	20.72	32.51	30.73	34.72	<=37	Pass
		Outer_Full	4.65	4.44	7.00	18.65	18.44	21.00	<=37	Pass
CP-OFDM 256 QAM	3565.02	Inner_Full	6.00	7.60	9.35	20.00	21.60	23.35	<=37	Pass
		Inner_1RB_Left	15.93	18.28	20.04	29.93	32.28	34.04	<=37	Pass
		Inner_1RB_Right	18.62	18.04	21.28	32.62	32.04	35.28	<=37	Pass
		Edge_1RB_Left	14.09	14.76	17.14	28.09	28.76	31.14	<=37	Pass
		Edge_1RB_Right	11.17	12.30	14.78	25.17	26.30	28.78	<=37	Pass



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

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

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

		Inner_1RB_Right	12.44	14.25	16.28	26.44	28.25	30.28	<=37	Pass
	3624.99	Edge_1RB_Left	14.88	12.71	16.67	28.88	26.71	30.67	<=37	Pass
		Edge_1RB_Right	14.40	14.22	17.18	28.40	28.22	31.18	<=37	Pass
		Outer_Full	1.87	1.41	4.49	15.87	15.41	18.49	<=37	Pass
		Inner_Full	1.72	4.77	6.31	15.72	18.77	20.31	<=37	Pass
		Inner_1RB_Left	14.80	8.16	15.34	28.80	22.16	29.34	<=37	Pass
		Inner_1RB_Right	14.18	14.65	17.24	28.18	28.65	31.24	<=37	Pass
		3684.99	Edge_1RB_Left	14.03	15.85	17.90	28.03	29.85	31.90	<=37
	Edge_1RB_Right		14.76	15.23	17.85	28.76	29.23	31.85	<=37	Pass
	Outer_Full		1.53	0.39	3.64	15.53	14.39	17.64	<=37	Pass
	Inner_Full		4.17	-2.44	4.70	18.17	11.56	18.70	<=37	Pass
	Inner_1RB_Left		14.38	14.92	17.57	28.38	28.92	31.57	<=37	Pass
	Inner_1RB_Right		13.10	15.02	17.11	27.10	29.02	31.11	<=37	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.10 30k_MIMO_40MHz_NTNV_EIRP

5G NR n48 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	3570	Edge_1RB_Left	17.76	18.14	20.96	31.76	32.14	34.96	/	Pass
		Edge_1RB_Right	17.96	17.95	20.97	31.96	31.95	34.97	/	Pass
		Outer_Full	17.79	18.13	20.97	31.79	32.13	34.97	/	Pass
		Inner_Full	19.24	19.79	22.53	33.24	33.79	36.53	/	Pass
		Inner_1RB_Left	19.29	19.71	22.52	33.29	33.71	36.52	/	Pass
		Inner_1RB_Right	19.41	19.51	22.47	33.41	33.51	36.47	/	Pass
	3624.99	Edge_1RB_Left	17.66	18.16	20.93	31.66	32.16	34.93	/	Pass
		Edge_1RB_Right	17.69	18.14	20.93	31.69	32.14	34.93	/	Pass
		Outer_Full	17.66	18.21	20.96	31.66	32.21	34.95	/	Pass
		Inner_Full	19.07	19.72	22.42	33.07	33.72	36.42	/	Pass
		Inner_1RB_Left	19.20	19.56	22.39	33.20	33.56	36.39	/	Pass
		Inner_1RB_Right	19.31	19.77	22.56	33.31	33.77	36.56	/	Pass
	3679.98	Edge_1RB_Left	18.09	18.18	21.14	32.09	32.18	35.15	/	Pass
		Edge_1RB_Right	18.02	17.97	21.01	32.02	31.97	35.01	/	Pass
		Outer_Full	17.95	17.95	20.96	31.95	31.95	34.96	/	Pass
		Inner_Full	19.48	19.38	22.44	33.48	33.38	36.44	/	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

		Inner_1RB_Left	19.62	19.62	22.63	33.62	33.62	36.63	/	Pass
		Inner_1RB_Right	19.67	19.59	22.64	33.67	33.59	36.64	/	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	17.75	18.19	20.98	31.75	32.19	34.99	/	Pass
		Edge_1RB_Right	17.83	18.00	20.92	31.83	32.00	34.93	/	Pass
		Outer_Full	17.77	18.21	21.00	31.77	32.21	35.01	/	Pass
		Inner_Full	18.70	19.28	22.01	32.70	33.28	36.01	/	Pass
		Inner_1RB_Left	18.91	19.18	22.06	32.91	33.18	36.06	/	Pass
		Inner_1RB_Right	19.07	18.89	21.99	33.07	32.89	35.99	/	Pass
	3624.99	Edge_1RB_Left	17.62	17.96	20.80	31.62	31.96	34.80	/	Pass
		Edge_1RB_Right	17.68	18.12	20.92	31.68	32.12	34.92	/	Pass
		Outer_Full	17.57	18.12	20.87	31.57	32.12	34.86	/	Pass
		Inner_Full	18.61	19.13	21.89	32.61	33.13	35.89	/	Pass
		Inner_1RB_Left	18.63	19.19	21.93	32.63	33.19	35.93	/	Pass
		Inner_1RB_Right	18.85	19.24	22.06	32.85	33.24	36.06	/	Pass
	3679.98	Edge_1RB_Left	18.05	18.35	21.21	32.05	32.35	35.21	/	Pass
		Edge_1RB_Right	18.01	17.98	21.00	32.01	31.98	35.01	/	Pass
		Outer_Full	17.90	17.90	20.91	31.90	31.90	34.91	/	Pass
		Inner_Full	18.90	18.84	21.88	32.90	32.84	35.88	/	Pass
		Inner_1RB_Left	18.90	19.04	21.98	32.90	33.04	35.98	/	Pass
		Inner_1RB_Right	18.53	18.63	21.59	32.53	32.63	35.59	/	Pass
CP-OFDM 64 QAM	3570	Edge_1RB_Left	17.36	17.63	20.50	31.36	31.63	34.51	/	Pass
		Edge_1RB_Right	17.44	17.51	20.49	31.44	31.51	34.49	/	Pass
		Outer_Full	17.21	17.71	20.48	31.21	31.71	34.48	/	Pass
		Inner_Full	17.26	17.72	20.51	31.26	31.72	34.51	/	Pass
		Inner_1RB_Left	17.27	17.49	20.39	31.27	31.49	34.39	/	Pass
		Inner_1RB_Right	17.38	17.42	20.41	31.38	31.42	34.41	/	Pass
	3624.99	Edge_1RB_Left	17.30	17.73	20.53	31.30	31.73	34.53	/	Pass
		Edge_1RB_Right	17.21	17.80	20.53	31.21	31.80	34.53	/	Pass
		Outer_Full	17.24	17.69	20.48	31.24	31.69	34.48	/	Pass
		Inner_Full	17.19	17.64	20.43	31.19	31.64	34.43	/	Pass
		Inner_1RB_Left	17.19	17.53	20.37	31.19	31.53	34.37	/	Pass
		Inner_1RB_Right	17.26	17.44	20.36	31.26	31.44	34.36	/	Pass
	3679.98	Edge_1RB_Left	17.57	17.54	20.56	31.57	31.54	34.57	/	Pass
		Edge_1RB_Right	17.64	17.47	20.56	31.64	31.47	34.57	/	Pass
		Outer_Full	17.49	17.47	20.49	31.49	31.47	34.49	/	Pass
		Inner_Full	17.40	17.43	20.43	31.40	31.43	34.43	/	Pass
		Inner_1RB_Left	17.52	17.53	20.54	31.52	31.53	34.54	/	Pass
		Inner_1RB_Right	17.64	17.33	20.50	31.64	31.33	34.50	/	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

CP-OFDM 256 QAM	3570	Edge_1RB_Left	14.34	14.67	17.52	28.34	28.67	31.52	/	Pass
		Edge_1RB_Right	14.52	14.56	17.55	28.52	28.56	31.55	/	Pass
		Outer_Full	14.30	14.83	17.58	28.30	28.83	31.58	/	Pass
		Inner_Full	14.34	14.73	17.55	28.34	28.73	31.55	/	Pass
		Inner_1RB_Left	14.23	14.67	17.46	28.23	28.67	31.47	/	Pass
		Inner_1RB_Right	14.42	14.63	17.53	28.42	28.63	31.54	/	Pass
	3624.99	Edge_1RB_Left	14.20	14.61	17.42	28.20	28.61	31.42	/	Pass
		Edge_1RB_Right	14.25	14.80	17.55	28.25	28.80	31.54	/	Pass
		Outer_Full	14.24	14.77	17.52	28.24	28.77	31.52	/	Pass
		Inner_Full	14.24	14.71	17.49	28.24	28.71	31.49	/	Pass
		Inner_1RB_Left	14.34	14.49	17.43	28.34	28.49	31.43	/	Pass
		Inner_1RB_Right	14.32	14.85	17.61	28.32	28.85	31.60	/	Pass
	3679.98	Edge_1RB_Left	14.51	14.64	17.58	28.51	28.64	31.59	/	Pass
		Edge_1RB_Right	14.42	14.49	17.47	28.42	28.49	31.47	/	Pass
		Outer_Full	14.49	14.46	17.48	28.49	28.46	31.49	/	Pass
		Inner_Full	14.53	14.46	17.50	28.53	28.46	31.51	/	Pass
		Inner_1RB_Left	14.57	14.76	17.68	28.57	28.76	31.68	/	Pass
		Inner_1RB_Right	14.44	14.58	17.52	28.44	28.58	31.52	/	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.11 30k_MIMO_40MHz_NTNV_EIRP(dBm/10MHz)

5G NR n48 SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	18.31	18.19	21.26	32.31	32.19	35.26	<=47	Pass
		Edge_1RB_Right	15.71	18.70	20.47	29.71	32.70	34.47	<=47	Pass
		Outer_Full	11.32	12.54	14.98	25.32	26.54	28.98	<=47	Pass
		Inner_Full	11.66	15.52	17.02	25.66	29.52	31.02	<=47	Pass
		Inner_1RB_Left	19.64	16.60	21.39	33.64	30.60	35.39	<=47	Pass
		Inner_1RB_Right	20.14	13.36	20.97	34.14	27.36	34.97	<=47	Pass
	3624.99	Edge_1RB_Left	13.31	17.58	18.96	27.31	31.58	32.96	<=47	Pass
		Edge_1RB_Right	9.63	17.75	18.37	23.63	31.75	32.37	<=47	Pass
		Outer_Full	11.10	7.60	12.70	25.10	21.60	26.70	<=47	Pass
		Inner_Full	15.53	16.74	19.19	29.53	30.74	33.19	<=47	Pass



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

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, 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

	3679.98	Inner_1RB_Left	15.98	12.48	17.58	29.98	26.48	31.58	<=47	Pass
		Inner_1RB_Right	18.34	19.45	21.94	32.34	33.45	35.94	<=47	Pass
		Edge_1RB_Left	17.82	13.23	19.12	31.82	27.23	33.12	<=47	Pass
		Edge_1RB_Right	10.79	18.22	18.94	24.79	32.22	32.94	<=47	Pass
		Outer_Full	12.65	10.62	14.76	26.65	24.62	28.76	<=47	Pass
		Inner_Full	16.73	13.18	18.32	30.73	27.18	32.32	<=47	Pass
		Inner_1RB_Left	17.05	19.56	21.49	31.05	33.56	35.49	<=47	Pass
		Inner_1RB_Right	20.34	-33.60	20.34	34.34	-19.60	34.34	<=47	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	18.53	17.72	21.15	32.53	31.72	35.15	<=47	Pass
		Edge_1RB_Right	15.38	16.73	19.12	29.38	30.73	33.12	<=47	Pass
		Outer_Full	9.26	12.25	14.02	23.26	26.25	28.02	<=47	Pass
		Inner_Full	16.01	10.48	17.08	30.01	24.48	31.08	<=47	Pass
		Inner_1RB_Left	8.16	19.64	19.94	22.16	33.64	33.94	<=47	Pass
		Inner_1RB_Right	18.07	16.04	20.18	32.07	30.04	34.18	<=47	Pass
	3624.99	Edge_1RB_Left	17.75	18.44	21.12	31.75	32.44	35.12	<=47	Pass
		Edge_1RB_Right	16.29	17.97	20.22	30.29	31.97	34.22	<=47	Pass
		Outer_Full	11.53	10.47	14.04	25.53	24.47	28.04	<=47	Pass
		Inner_Full	15.52	16.58	19.09	29.52	30.58	33.09	<=47	Pass
		Inner_1RB_Left	18.09	16.76	20.49	32.09	30.76	34.49	<=47	Pass
		Inner_1RB_Right	18.61	17.56	21.13	32.61	31.56	35.13	<=47	Pass
	3679.98	Edge_1RB_Left	14.44	18.69	20.08	28.44	32.69	34.08	<=47	Pass
		Edge_1RB_Right	15.36	19.01	20.57	29.36	33.01	34.57	<=47	Pass
		Outer_Full	12.51	12.74	15.64	26.51	26.74	29.64	<=47	Pass
		Inner_Full	9.82	16.86	17.64	23.82	30.86	31.64	<=47	Pass
		Inner_1RB_Left	17.90	19.19	21.60	31.90	33.19	35.60	<=47	Pass
		Inner_1RB_Right	20.27	18.30	22.41	34.27	32.30	36.41	<=47	Pass
CP-OFDM 64 QAM	3570	Edge_1RB_Left	17.62	17.52	20.58	31.62	31.52	34.58	<=47	Pass
		Edge_1RB_Right	17.55	11.34	18.48	31.55	25.34	32.48	<=47	Pass
		Outer_Full	11.56	11.52	14.55	25.56	25.52	28.55	<=47	Pass
		Inner_Full	14.36	7.91	15.25	28.36	21.91	29.25	<=47	Pass
		Inner_1RB_Left	11.57	17.06	18.14	25.57	31.06	32.14	<=47	Pass
		Inner_1RB_Right	15.83	13.99	18.02	29.83	27.99	32.02	<=47	Pass
	3624.99	Edge_1RB_Left	16.50	16.93	19.73	30.50	30.93	33.73	<=47	Pass
		Edge_1RB_Right	15.42	17.36	19.51	29.42	31.36	33.51	<=47	Pass
		Outer_Full	11.38	11.91	14.66	25.38	25.91	28.66	<=47	Pass
		Inner_Full	14.03	14.95	17.52	28.03	28.95	31.52	<=47	Pass
		Inner_1RB_Left	15.42	16.84	19.20	29.42	30.84	33.20	<=47	Pass
		Inner_1RB_Right	17.09	15.78	19.49	31.09	29.78	33.49	<=47	Pass



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

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

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

CP-OFDM 256 QAM	3679.98	Edge_1RB_Left	18.35	12.86	19.43	32.35	26.86	33.43	<=47	Pass
		Edge_1RB_Right	15.43	15.21	18.33	29.43	29.21	32.33	<=47	Pass
		Outer_Full	10.05	11.07	13.60	24.05	25.07	27.60	<=47	Pass
		Inner_Full	14.89	10.23	16.17	28.89	24.23	30.17	<=47	Pass
		Inner_1RB_Left	16.82	17.29	20.07	30.82	31.29	34.07	<=47	Pass
		Inner_1RB_Right	17.92	17.31	20.64	31.92	31.31	34.64	<=47	Pass
	3570	Edge_1RB_Left	14.68	14.03	17.38	28.68	28.03	31.38	<=47	Pass
		Edge_1RB_Right	14.96	9.04	15.95	28.96	23.04	29.95	<=47	Pass
		Outer_Full	4.93	7.30	9.29	18.93	21.30	23.29	<=47	Pass
		Inner_Full	10.95	10.97	13.97	24.95	24.97	27.97	<=47	Pass
		Inner_1RB_Left	6.39	14.11	14.79	20.39	28.11	28.79	<=47	Pass
		Inner_1RB_Right	13.07	15.34	17.36	27.07	29.34	31.36	<=47	Pass
	3624.99	Edge_1RB_Left	14.49	14.30	17.41	28.49	28.30	31.41	<=47	Pass
		Edge_1RB_Right	12.24	15.01	16.85	26.24	29.01	30.85	<=47	Pass
		Outer_Full	8.47	8.60	11.55	22.47	22.60	25.55	<=47	Pass
		Inner_Full	11.70	11.52	14.62	25.70	25.52	28.62	<=47	Pass
		Inner_1RB_Left	6.78	14.80	15.44	20.78	28.80	29.44	<=47	Pass
		Inner_1RB_Right	8.98	13.50	14.81	22.98	27.50	28.81	<=47	Pass
	3679.98	Edge_1RB_Left	13.52	14.70	17.16	27.52	28.70	31.16	<=47	Pass
		Edge_1RB_Right	14.52	14.13	17.34	28.52	28.13	31.34	<=47	Pass
		Outer_Full	8.97	9.69	12.36	22.97	23.69	26.36	<=47	Pass
		Inner_Full	11.33	11.79	14.58	25.33	25.79	28.58	<=47	Pass
		Inner_1RB_Left	6.74	14.52	15.19	20.74	28.52	29.19	<=47	Pass
		Inner_1RB_Right	15.24	13.62	17.52	29.24	27.62	31.52	<=47	Pass

Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

1.1.12 30k_MIMO_40MHz_NTNV_PSD

5G NR n48 SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	18.27	15.51	19.95	32.27	29.51	33.95	<=37	Pass
		Edge_1RB_Right	18.00	17.27	20.50	32.00	31.27	34.50	<=37	Pass
		Outer_Full	1.13	3.57	5.18	15.13	17.57	19.18	<=37	Pass
		Inner_Full	-34.75	7.25	7.25	-20.75	21.25	21.25	<=37	Pass



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

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

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

		Inner_1RB_Left	19.80	18.31	22.13	33.80	32.31	36.13	<=37	Pass
		Inner_1RB_Right	19.42	16.49	21.19	33.42	30.49	35.19	<=37	Pass
	3624.99	Edge_1RB_Left	16.04	17.05	19.36	30.04	31.05	33.36	<=37	Pass
		Edge_1RB_Right	13.80	18.17	19.52	27.80	32.17	33.52	<=37	Pass
		Outer_Full	3.60	1.93	5.52	17.60	15.93	19.52	<=37	Pass
		Inner_Full	5.45	8.01	9.77	19.45	22.01	23.77	<=37	Pass
		Inner_1RB_Left	19.32	12.31	19.87	33.32	26.31	33.87	<=37	Pass
		Inner_1RB_Right	18.97	20.06	22.48	32.97	34.06	36.48	<=37	Pass
	3679.98	Edge_1RB_Left	17.51	10.30	18.11	31.51	24.30	32.11	<=37	Pass
		Edge_1RB_Right	17.79	15.96	19.96	31.79	29.96	33.96	<=37	Pass
		Outer_Full	4.72	3.67	6.46	18.72	17.67	20.46	<=37	Pass
		Inner_Full	8.21	7.23	9.99	22.21	21.23	23.99	<=37	Pass
		Inner_1RB_Left	18.51	20.19	22.42	32.51	34.19	36.42	<=37	Pass
		Inner_1RB_Right	20.24	18.83	22.39	34.24	32.83	36.39	<=37	Pass
CP-OFDM 16 QAM	3570	Edge_1RB_Left	17.53	15.68	19.68	31.53	29.68	33.68	<=37	Pass
		Edge_1RB_Right	18.48	12.70	19.42	32.48	26.70	33.42	<=37	Pass
		Outer_Full	2.08	3.78	5.67	16.08	17.78	19.67	<=37	Pass
		Inner_Full	7.53	3.80	8.17	21.53	17.80	22.17	<=37	Pass
		Inner_1RB_Left	18.09	19.34	21.65	32.09	33.34	35.65	<=37	Pass
		Inner_1RB_Right	18.27	18.63	21.30	32.27	32.63	35.30	<=37	Pass
	3624.99	Edge_1RB_Left	18.08	16.52	19.95	32.08	30.52	33.95	<=37	Pass
		Edge_1RB_Right	18.17	17.91	20.83	32.17	31.91	34.83	<=37	Pass
		Outer_Full	2.26	2.52	4.94	16.26	16.52	18.94	<=37	Pass
		Inner_Full	6.84	7.31	9.82	20.84	21.31	23.82	<=37	Pass
		Inner_1RB_Left	18.53	18.82	21.42	32.53	32.82	35.42	<=37	Pass
		Inner_1RB_Right	18.26	20.03	22.11	32.26	34.03	36.11	<=37	Pass
	3679.98	Edge_1RB_Left	17.94	16.51	20.26	31.94	30.51	34.26	<=37	Pass
		Edge_1RB_Right	17.79	17.20	20.50	31.79	31.20	34.50	<=37	Pass
		Outer_Full	1.50	4.02	5.52	15.50	18.02	19.52	<=37	Pass
		Inner_Full	6.45	7.11	9.75	20.45	21.11	23.75	<=37	Pass
		Inner_1RB_Left	19.70	19.52	22.62	33.70	33.52	36.62	<=37	Pass
		Inner_1RB_Right	20.06	18.87	22.47	34.06	32.87	36.47	<=37	Pass
CP-OFDM 64 QAM	3570	Edge_1RB_Left	16.94	16.92	19.61	30.94	30.92	33.61	<=37	Pass
		Edge_1RB_Right	17.45	10.13	17.97	31.45	24.13	31.97	<=37	Pass
		Outer_Full	1.20	3.01	5.07	15.20	17.01	19.07	<=37	Pass
		Inner_Full	5.60	3.21	7.45	19.60	17.21	21.45	<=37	Pass
		Inner_1RB_Left	17.12	15.47	19.32	31.12	29.47	33.32	<=37	Pass
		Inner_1RB_Right	18.08	17.11	20.47	32.08	31.11	34.47	<=37	Pass



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

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

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

	3624.99	Edge_1RB_Left	15.56	16.09	18.68	29.56	30.09	32.68	<=37	Pass
		Edge_1RB_Right	16.82	16.19	19.41	30.82	30.19	33.41	<=37	Pass
		Outer_Full	2.21	3.19	4.49	16.21	17.19	18.49	<=37	Pass
		Inner_Full	5.51	6.31	8.63	19.51	20.31	22.63	<=37	Pass
		Inner_1RB_Left	17.56	17.36	20.40	31.56	31.36	34.40	<=37	Pass
		Inner_1RB_Right	17.75	17.71	20.66	31.75	31.71	34.66	<=37	Pass
	3679.98	Edge_1RB_Left	18.04	15.89	19.94	32.04	29.89	33.94	<=37	Pass
		Edge_1RB_Right	18.19	12.03	18.68	32.19	26.03	32.68	<=37	Pass
		Outer_Full	1.87	2.59	3.74	15.87	16.59	17.74	<=37	Pass
		Inner_Full	4.24	4.62	6.67	18.24	18.62	20.67	<=37	Pass
		Inner_1RB_Left	13.56	17.83	18.97	27.56	31.83	32.97	<=37	Pass
		Inner_1RB_Right	17.32	17.42	20.25	31.32	31.42	34.25	<=37	Pass
CP-OFDM 256 QAM	3570	Edge_1RB_Left	13.16	14.84	16.88	27.16	28.84	30.88	<=37	Pass
		Edge_1RB_Right	15.21	11.42	16.73	29.21	25.42	30.73	<=37	Pass
		Outer_Full	1.87	-0.69	3.44	15.87	13.31	17.44	<=37	Pass
		Inner_Full	2.75	1.82	4.86	16.75	15.82	18.86	<=37	Pass
		Inner_1RB_Left	8.84	11.31	13.14	22.84	25.31	27.14	<=37	Pass
		Inner_1RB_Right	15.16	14.88	18.03	29.16	28.88	32.03	<=37	Pass
	3624.99	Edge_1RB_Left	14.52	13.66	17.04	28.52	27.66	31.04	<=37	Pass
		Edge_1RB_Right	13.82	14.47	17.13	27.82	28.47	31.13	<=37	Pass
		Outer_Full	-0.53	-0.46	1.82	13.47	13.54	15.82	<=37	Pass
		Inner_Full	2.35	2.80	5.23	16.35	16.80	19.23	<=37	Pass
		Inner_1RB_Left	9.31	14.45	15.28	23.31	28.45	29.28	<=37	Pass
		Inner_1RB_Right	10.31	15.16	16.39	24.31	29.16	30.39	<=37	Pass
	3679.98	Edge_1RB_Left	14.75	12.45	16.76	28.75	26.45	30.76	<=37	Pass
		Edge_1RB_Right	14.84	14.14	17.51	28.84	28.14	31.51	<=37	Pass
		Outer_Full	-0.01	-1.04	2.10	13.99	12.96	16.10	<=37	Pass
		Inner_Full	2.68	2.79	5.37	16.68	16.79	19.37	<=37	Pass
		Inner_1RB_Left	14.56	14.54	17.50	28.56	28.54	31.50	<=37	Pass
		Inner_1RB_Right	15.32	15.33	18.24	29.32	29.33	32.24	<=37	Pass
Note1: Antenna Gain: Ant1: 14.00dBi; Ant2: 14.00dBi;										
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

2. Frequency Stability

2.1 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) 83071443, 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

2.1.1 30k_SISO_40MHz

5G NR n48 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	3624.99	Outer_Full	20	LV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-15.40	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-14.70	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-15.90	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-24.00	-0.0066	>=-2.5 & <=2.5	Pass
			30	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-13.70	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-17.30	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-15.80	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-12.10	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-16.60	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-21.90	-0.0060	>=-2.5 & <=2.5	Pass
			40	NV	-12.80	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-16.30	-0.0045	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-27.80	-0.0077	>=-2.5 & <=2.5	Pass
				HV	-12.40	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-18.80	-0.0052	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-17.70	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-13.60	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-20.50	-0.0057	>=-2.5 & <=2.5	Pass
			50	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass



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

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

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

DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-13.20	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	7.20	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-12.80	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-21.90	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-21.40	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-27.80	-0.0077	>=-2.5 & <=2.5	Pass
				HV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-25.00	-0.0069	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-21.30	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-14.70	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-15.00	-0.0041	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-22.70	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-13.40	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-20.30	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-14.50	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-13.00	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	4.70	0.0013	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-23.30	-0.0064	>=-2.5 & <=2.5	Pass
			-10	NV	-14.30	-0.0039	>=-2.5 & <=2.5	Pass



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

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

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

			0	NV	-10.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-23.50	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.40	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.50	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-14.90	-0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	-18.00	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.60	0.0002	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-17.20	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-20.50	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-23.80	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-17.50	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.50	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-20.30	-0.0056	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	7.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.60	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.60	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	9.70	0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-13.60	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.50	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-12.00	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-21.80	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.70	-0.0021	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n48 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict



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

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

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

DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	8.76	10.18	/	Pass
	3624.99	Outer_Full	8.66	9.91	/	Pass
	3694.98	Outer_Full	8.74	9.55	/	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	8.69	9.90	/	Pass
	3624.99	Outer_Full	8.70	9.44	/	Pass
	3694.98	Outer_Full	8.71	9.89	/	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	8.71	10.28	/	Pass
	3624.99	Outer_Full	8.72	9.34	/	Pass
	3694.98	Outer_Full	8.72	9.33	/	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	8.74	10.26	/	Pass
	3624.99	Outer_Full	8.79	9.80	/	Pass
	3694.98	Outer_Full	8.69	9.94	/	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	8.74	10.33	/	Pass
	3624.99	Outer_Full	8.70	9.59	/	Pass
	3694.98	Outer_Full	8.63	9.90	/	Pass
CP-OFDM QPSK	3555	Outer_Full	8.71	10.33	/	Pass
	3624.99	Outer_Full	8.68	10.01	/	Pass
	3694.98	Outer_Full	8.66	9.81	/	Pass
CP-OFDM 16 QAM	3555	Outer_Full	8.71	10.37	/	Pass
	3624.99	Outer_Full	8.66	9.85	/	Pass
	3694.98	Outer_Full	8.63	9.58	/	Pass
CP-OFDM 64 QAM	3555	Outer_Full	8.72	10.21	/	Pass
	3624.99	Outer_Full	8.68	9.57	/	Pass
	3694.98	Outer_Full	8.65	9.77	/	Pass
CP-OFDM 256 QAM	3555	Outer_Full	8.73	10.31	/	Pass
	3624.99	Outer_Full	8.75	9.94	/	Pass
	3694.98	Outer_Full	8.67	9.54	/	Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n48 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	3560.01	Outer_Full	18.13	19.96	/	Pass
	3624.99	Outer_Full	17.96	19.50	/	Pass
	3690	Outer_Full	18.16	19.64	/	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.14	19.86	/	Pass
	3624.99	Outer_Full	18.14	19.69	/	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

	3690	Outer_Full	17.94	19.79	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.11	19.73	/	Pass
	3624.99	Outer_Full	17.99	19.38	/	Pass
	3690	Outer_Full	18.18	19.19	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.09	20.03	/	Pass
	3624.99	Outer_Full	18.15	19.16	/	Pass
	3690	Outer_Full	18.05	19.45	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.14	19.85	/	Pass
	3624.99	Outer_Full	18.10	19.36	/	Pass
	3690	Outer_Full	18.16	19.49	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.44	20.28	/	Pass
	3624.99	Outer_Full	18.36	19.75	/	Pass
	3690	Outer_Full	18.41	19.81	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.45	20.49	/	Pass
	3624.99	Outer_Full	18.34	19.52	/	Pass
	3690	Outer_Full	18.34	20.04	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.47	20.27	/	Pass
	3624.99	Outer_Full	18.47	20.25	/	Pass
	3690	Outer_Full	18.23	20.75	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.43	20.44	/	Pass
	3624.99	Outer_Full	18.33	19.67	/	Pass
	3690	Outer_Full	18.32	19.65	/	Pass

3.1.3 30k_SISO_30MHz_NTNV

5G NR n48 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	27.10	28.89	/	Pass
	3624.99	Outer_Full	27.02	29.27	/	Pass
	3684.99	Outer_Full	27.13	29.02	/	Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	27.08	29.07	/	Pass
	3624.99	Outer_Full	27.21	30.79	/	Pass
	3684.99	Outer_Full	27.15	29.42	/	Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	27.09	28.83	/	Pass
	3624.99	Outer_Full	27.04	29.09	/	Pass
	3684.99	Outer_Full	27.23	29.41	/	Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	27.14	28.87	/	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

DFT-s-OFDM 256 QAM	3624.99	Outer_Full	27.20	29.07	/	Pass
	3684.99	Outer_Full	27.14	28.78	/	Pass
	3565.02	Outer_Full	27.12	29.26	/	Pass
	3624.99	Outer_Full	21.18	22.22	/	Pass
CP-OFDM QPSK	3684.99	Outer_Full	27.23	29.52	/	Pass
	3565.02	Outer_Full	28.12	30.15	/	Pass
	3624.99	Outer_Full	28.11	30.16	/	Pass
CP-OFDM 16 QAM	3684.99	Outer_Full	28.16	30.55	/	Pass
	3565.02	Outer_Full	28.10	30.15	/	Pass
	3624.99	Outer_Full	28.14	30.07	/	Pass
CP-OFDM 64 QAM	3684.99	Outer_Full	28.17	30.20	/	Pass
	3565.02	Outer_Full	28.11	30.04	/	Pass
	3624.99	Outer_Full	28.18	30.23	/	Pass
CP-OFDM 256 QAM	3684.99	Outer_Full	28.32	30.32	/	Pass
	3565.02	Outer_Full	28.03	29.95	/	Pass
	3624.99	Outer_Full	28.21	30.08	/	Pass
	3684.99	Outer_Full	28.27	30.53	/	Pass

3.1.4 30k_SISO_40MHz_NTNV

5G NR n48 SCS=30kHz SISO 40MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	36.09	38.88	/	Pass
	3624.99	Outer_Full	36.16	38.19	/	Pass
	3679.98	Outer_Full	35.81	38.59	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	36.09	38.91	/	Pass
	3624.99	Outer_Full	36.03	38.51	/	Pass
	3679.98	Outer_Full	36.21	38.81	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.09	38.48	/	Pass
	3624.99	Outer_Full	36.10	38.60	/	Pass
	3679.98	Outer_Full	36.15	38.71	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	35.80	38.25	/	Pass
	3624.99	Outer_Full	36.11	38.61	/	Pass
	3679.98	Outer_Full	36.43	38.58	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	36.15	38.55	/	Pass
	3624.99	Outer_Full	35.96	38.29	/	Pass
	3679.98	Outer_Full	36.16	38.49	/	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

CP-OFDM QPSK	3570	Outer_Full	38.11	40.80	/	Pass
	3624.99	Outer_Full	38.01	40.76	/	Pass
	3679.98	Outer_Full	38.11	40.70	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.19	40.68	/	Pass
	3624.99	Outer_Full	38.16	40.80	/	Pass
	3679.98	Outer_Full	38.17	40.85	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.06	40.69	/	Pass
	3624.99	Outer_Full	38.12	40.63	/	Pass
	3679.98	Outer_Full	38.19	40.76	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.17	40.87	/	Pass
	3624.99	Outer_Full	38.02	40.47	/	Pass
	3679.98	Outer_Full	38.14	40.68	/	Pass



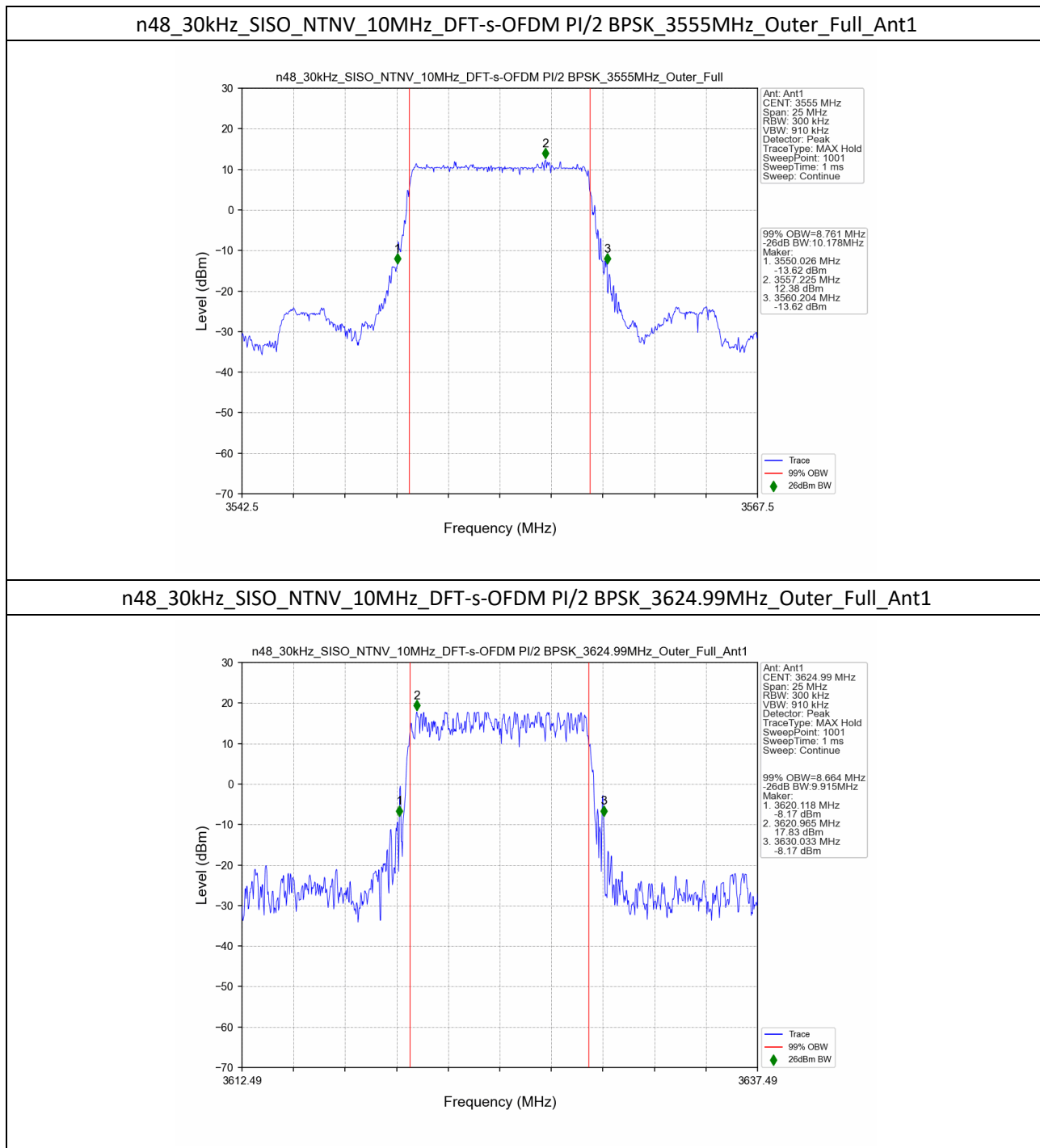
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

3.2 Test Graph

3.2.1 30k_SISO_10MHz_NTNV

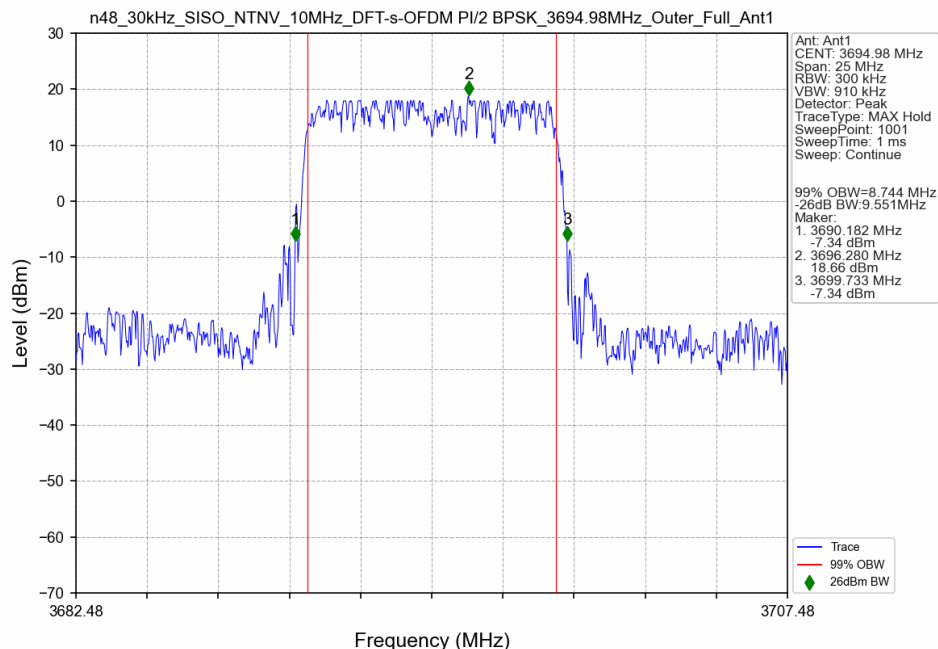


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

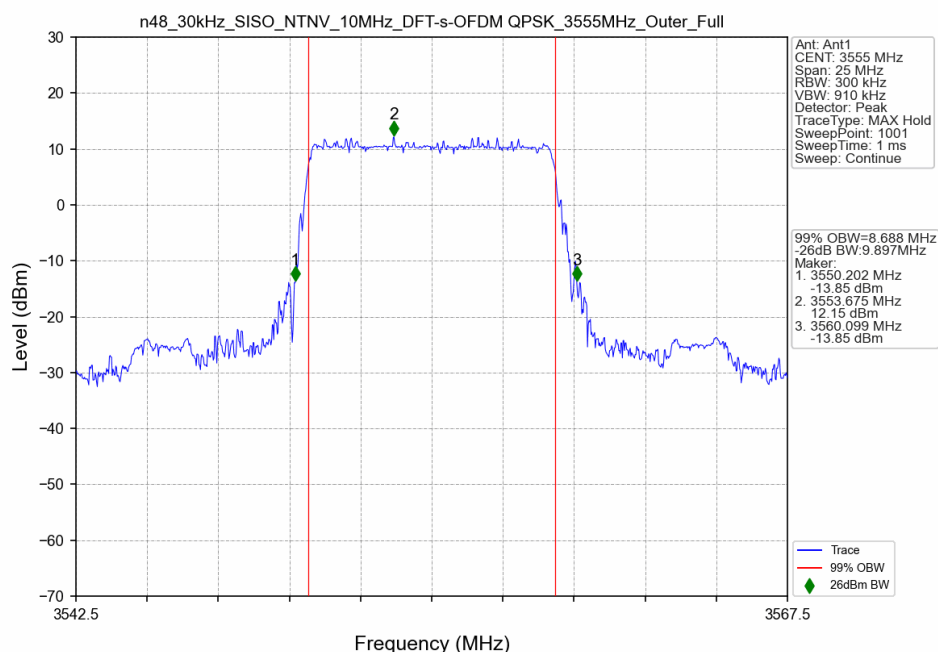
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Outer_Full_Ant1

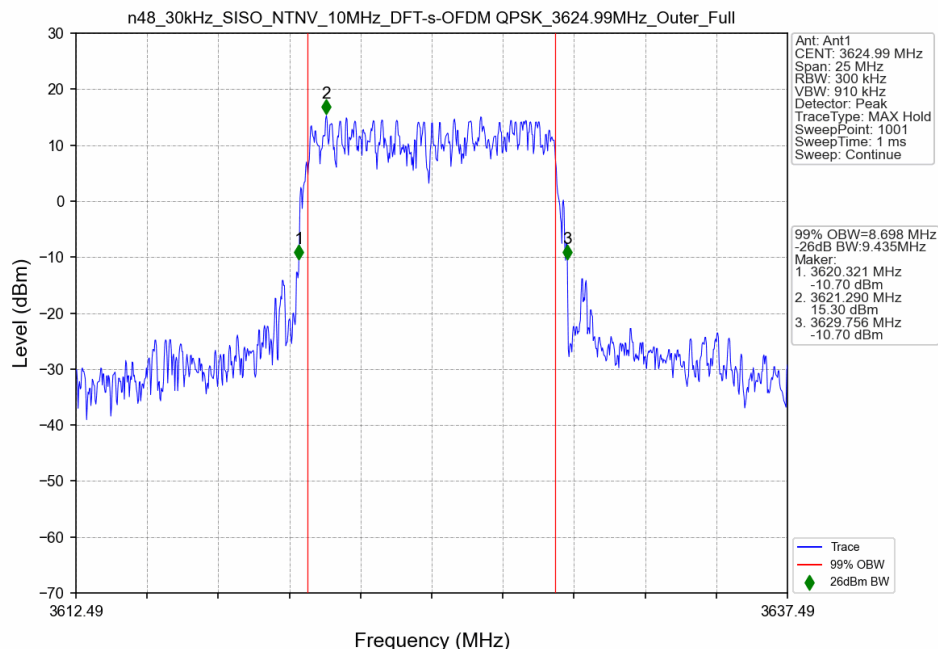


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

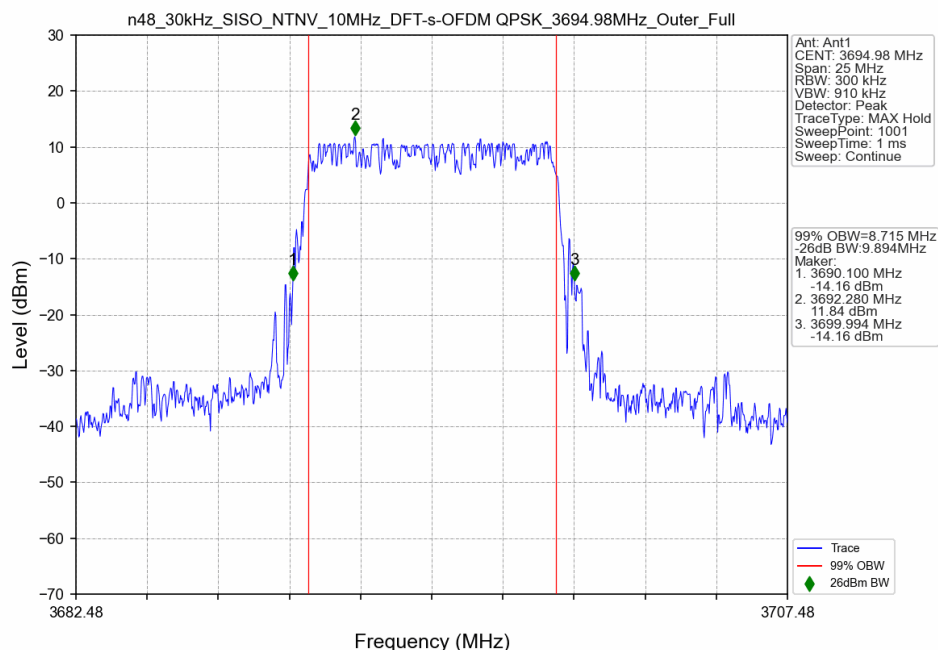
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3624.99MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3694.98MHz_Outer_Full_Ant1

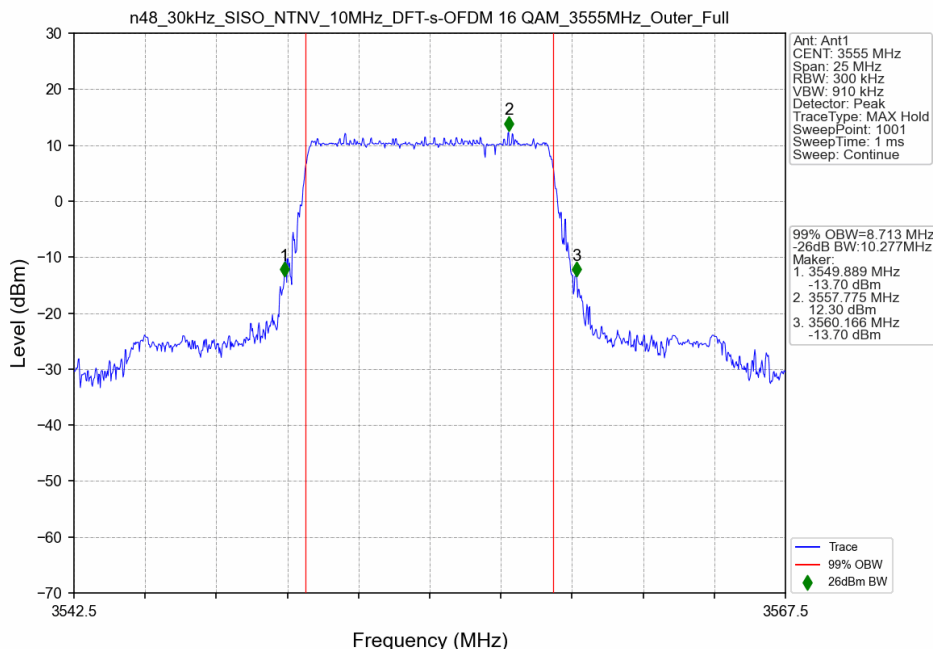


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3555MHz_Outer_Full_Ant1



n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full_Ant1



Unless otherwise agreed 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