

Appendix B.21

LTE Band 66



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Effective (Isotropic) Radiated Power Output Data

B66_20MHz_EIRP

Test ResultAnt0

Band: 66 / Bandwidth: 20MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.89	1.47	24.36	<=30	Pass	
			50	23.04	1.47	24.51	<=30	Pass	
			99	23.02	1.47	24.49	<=30	Pass	
		50	0	22.05	1.47	23.52	<=30	Pass	
			25	22.15	1.47	23.62	<=30	Pass	
			50	22.16	1.47	23.63	<=30	Pass	
		100	0	22.17	1.47	23.64	<=30	Pass	
		1745	1	0	23.06	1.47	24.53	<=30	Pass
				50	23.07	1.47	24.54	<=30	Pass
	99			23	1.47	24.47	<=30	Pass	
	50		0	22.12	1.47	23.59	<=30	Pass	
			25	22.2	1.47	23.67	<=30	Pass	
			50	22.14	1.47	23.61	<=30	Pass	
	100		0	22.19	1.47	23.66	<=30	Pass	
	1770		1	0	22.94	1.47	24.41	<=30	Pass
				50	23.07	1.47	24.54	<=30	Pass
		99		23.15	1.47	24.62	<=30	Pass	
		50	0	22.11	1.47	23.58	<=30	Pass	
			25	22.16	1.47	23.63	<=30	Pass	
			50	22.18	1.47	23.65	<=30	Pass	
		100	0	22.11	1.47	23.58	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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

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

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratories

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation (Worse)

Test Band = LTE Band 66_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.48	-48.40	28.66	-70.52	-13.00	57.52	Horizontal
2	5106.27	43.07	-47.82	31.76	-68.26	-13.00	55.26	Horizontal
3	6808.36	43.28	-46.88	35.18	-63.68	-13.00	50.68	Horizontal
4	8510.45	39.91	-44.25	36.92	-62.68	-13.00	49.68	Horizontal
5	10212.54	38.64	-42.01	38.69	-59.94	-13.00	46.94	Horizontal
6	11914.63	36.69	-39.90	39.22	-59.26	-13.00	46.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.13	-48.40	28.66	-70.87	-13.00	57.87	Vertical
2	5106.27	43.13	-47.82	31.76	-68.20	-13.00	55.20	Vertical
3	6808.36	42.56	-46.88	35.18	-64.40	-13.00	51.40	Vertical
4	8510.45	40.06	-44.25	36.92	-62.53	-13.00	49.53	Vertical
5	10212.54	38.58	-42.01	38.69	-60.00	-13.00	47.00	Vertical
6	11914.63	36.91	-39.90	39.22	-59.04	-13.00	46.04	Vertical



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

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

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratories

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Test Band = LTE Band 66_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.47	-48.34	28.68	-70.45	-13.00	57.45	Horizontal
2	5181.27	43.27	-47.88	31.94	-67.93	-13.00	54.93	Horizontal
3	6908.36	42.10	-46.72	35.40	-64.48	-13.00	51.48	Horizontal
4	8635.45	39.58	-44.02	37.09	-62.61	-13.00	49.61	Horizontal
5	10362.54	37.35	-41.21	38.83	-60.29	-13.00	47.29	Horizontal
6	12089.63	36.37	-39.61	39.15	-59.35	-13.00	46.35	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	43.96	-48.34	28.68	-70.96	-13.00	57.96	Vertical
2	5181.27	42.95	-47.88	31.94	-68.25	-13.00	55.25	Vertical
3	6908.36	42.55	-46.72	35.40	-64.03	-13.00	51.03	Vertical
4	8635.45	39.78	-44.02	37.09	-62.41	-13.00	49.41	Vertical
5	10362.54	36.97	-41.21	38.83	-60.67	-13.00	47.67	Vertical
6	12089.63	36.62	-39.61	39.15	-59.10	-13.00	46.10	Vertical



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = LTE Band 66_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.33	-48.29	28.71	-70.51	-13.00	57.51	Horizontal
2	5256.27	43.61	-47.83	32.12	-67.36	-13.00	54.36	Horizontal
3	7008.36	42.55	-46.53	35.62	-63.62	-13.00	50.62	Horizontal
4	8760.45	41.93	-44.04	37.27	-60.11	-13.00	47.11	Horizontal
5	10512.54	37.63	-40.73	38.96	-59.40	-13.00	46.40	Horizontal
6	12262.63	36.71	-39.76	39.04	-59.27	-13.00	46.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	43.60	-48.29	28.71	-71.24	-13.00	58.24	Vertical
2	5256.27	43.62	-47.83	32.12	-67.35	-13.00	54.35	Vertical
3	7008.36	43.28	-46.53	35.62	-62.89	-13.00	49.89	Vertical
4	8760.45	40.69	-44.04	37.27	-61.35	-13.00	48.35	Vertical
5	10512.54	37.95	-40.73	38.96	-59.08	-13.00	46.08	Vertical
6	12262.63	37.04	-39.76	39.04	-58.94	-13.00	45.94	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com