

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 1 of 6

Appendix B.9

LTE Band 17



Unless otherwise agreed 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号厂房南楼 邮编: 215000

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

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 2 of 6

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.74	21.39	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.77	21.42	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.78	21.43	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.96	20.61	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.83	21.48	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.79	21.44	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.79	21.44	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.90	20.55	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.79	21.44	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.84	21.49	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.80	21.45	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.87	20.52	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.98	20.63	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.04	20.69	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.01	20.66	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.94	19.59	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.12	20.77	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.93	20.58	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.10	20.75	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.93	19.58	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.06	20.71	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.09	20.74	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.16	20.81	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.94	19.59	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.78	21.43	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.80	21.45	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.85	21.50	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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号厂房南楼 邮编: 215000

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

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 3 of 6

Band17	10MHz	QPSK	23780	50RB#0	22.92	20.57	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.75	21.40	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.80	21.45	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.81	21.46	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.96	20.61	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.80	21.45	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.81	21.46	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.78	21.43	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.89	20.54	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.06	20.71	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.14	20.79	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.10	20.75	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.95	19.60	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.00	20.65	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.04	20.69	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.99	20.64	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.95	19.60	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.07	20.72	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.04	20.69	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.11	20.76	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.92	19.57	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <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号厂房南面 邮编: 215000

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

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 4 of 6

Field Strength of Spurious Radiation

Test Band = LTE_17_10MHz_TM1

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.0705	75.22	-53.63	25.78	-47.89	-13.00	34.89	152	247	Horizontal
2	2541.3271	53.57	-50.95	28.25	-64.39	-13.00	51.39	149	348	Horizontal
3	3971.0486	51.84	-47.92	30.98	-60.36	-13.00	47.36	363	152	Horizontal
4	5146.9573	51.21	-44.30	33.59	-54.76	-13.00	41.76	215	309	Horizontal
5	7103.6552	49.87	-43.30	36.91	-51.78	-13.00	38.78	184	198	Horizontal
6	9108.0554	48.72	-40.80	38.73	-48.61	-13.00	35.61	143	246	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.0705	71.32	-53.63	25.78	-51.79	-13.00	38.79	136	228	Vertical
2	2532.3266	53.64	-51.01	28.19	-64.44	-13.00	51.44	184	226	Vertical
3	3974.1987	52.70	-47.93	31.00	-59.49	-13.00	46.49	194	228	Vertical
4	5142.0071	51.82	-44.28	33.58	-54.14	-13.00	41.14	346	228	Vertical
5	7369.1685	50.11	-42.69	36.86	-50.98	-13.00	37.98	216	208	Vertical
6	9542.3271	48.05	-39.91	39.12	-48.00	-13.00	35.00	184	26	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
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号厂房南面 邮编: 215000

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

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 5 of 6

Test Band = LTE_17_10MHz_TM1

Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.3206	76.36	-53.61	25.78	-46.73	-13.00	33.73	353	307	Horizontal
2	2116.9558	55.49	-52.14	27.47	-64.44	-13.00	51.44	219	120	Horizontal
3	3274.4137	52.74	-49.81	30.65	-61.68	-13.00	48.68	226	277	Horizontal
4	5119.956	50.91	-44.15	33.54	-54.96	-13.00	41.96	184	133	Horizontal
5	7373.6687	49.70	-42.67	36.85	-51.38	-13.00	38.38	128	188	Horizontal
6	9731.7866	47.61	-39.01	38.76	-47.90	-13.00	34.90	143	213	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.3206	73.03	-53.61	25.78	-50.06	-13.00	37.06	259	231	Vertical
2	2112.9056	54.13	-52.13	27.47	-65.79	-13.00	52.79	308	300	Vertical
3	3147.5074	52.76	-50.05	30.29	-62.26	-13.00	49.26	365	351	Vertical
4	5083.5042	51.03	-44.24	33.47	-55.00	-13.00	42.00	184	30	Vertical
5	7355.6678	49.75	-42.77	36.89	-51.39	-13.00	38.39	235	358	Vertical
6	9747.5374	46.98	-38.87	38.80	-48.35	-13.00	35.35	184	182	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
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

Report No.: SEWM2309000384RG01

Rev.: 01

Page: 6 of 6

Test Band = LTE_17_10MHz_TM1

Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1207	75.17	-53.59	25.77	-47.91	-13.00	34.91	194	295	Horizontal
2	2119.656	55.73	-52.15	27.46	-64.22	-13.00	51.22	304	262	Horizontal
3	3319.416	52.59	-49.72	30.31	-62.08	-13.00	49.08	251	178	Horizontal
4	5139.307	51.32	-44.26	33.58	-54.62	-13.00	41.62	203	65	Horizontal
5	7360.168	49.58	-42.74	36.88	-51.54	-13.00	38.54	318	262	Horizontal
6	9047.7524	48.34	-40.12	38.70	-48.34	-13.00	35.34	184	51	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1207	74.68	-53.59	25.77	-48.40	-13.00	35.40	153	232	Vertical
2	2110.6555	54.06	-52.12	27.48	-65.84	-13.00	52.84	284	77	Vertical
3	3308.1654	52.63	-49.72	30.54	-61.81	-13.00	48.81	143	352	Vertical
4	5086.6543	51.22	-44.20	33.47	-54.77	-13.00	41.77	310	260	Vertical
5	7365.1183	49.75	-42.72	36.87	-51.36	-13.00	38.36	218	338	Vertical
6	9084.6542	48.68	-40.52	38.70	-48.40	-13.00	35.40	184	255	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-Document.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号厂房南楼 邮编: 215000

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

Member of the SGS Group (SGS SA)