

Appendix E

Conducted RF Output Power

Measurement of RF conducted Power	
1	Conducted Power of GSM
2	Conducted Power of WCDMA
3	Conducted Power of LTE
4	Conducted Power of WIFI
5	Conducted Power of Bluetooth

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> 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>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 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.

Report No.: SUCR250700072001

Rev.: 01

Page: 2 of 19

1 Conducted Power of GSM

1.1 Conducted Power of GSM

GSM 850										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GPRS/EGPRS (GMSK)	1 TX Slot	33.58	33.56	33.89	34.00	-9.19	24.39	24.37	24.70	24.81
	2 TX Slots	32.27	32.39	32.68	33.00	-6.18	26.09	26.21	26.50	26.82
	3 TX Slots	30.28	30.49	30.84	31.00	-4.42	25.86	26.07	26.42	26.58
	4 TX Slots	29.31	29.59	29.52	30.00	-3.17	26.14	26.42	26.35	26.83
EGPRS (8PSK)	1 TX Slot	27.31	27.25	27.74	29.00	-9.19	18.12	18.06	18.55	19.81
	2 TX Slots	26.81	26.91	27.14	28.00	-6.18	20.63	20.73	20.96	21.82
	3 TX Slots	24.76	24.89	25.11	26.00	-4.42	20.34	20.47	20.69	21.58
	4 TX Slots	23.93	24.02	24.29	25.00	-3.17	20.76	20.85	21.12	21.83

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GPRS/EGPRS (GMSK)	1 TX Slot	29.67	29.79	30.25	31.00	-9.19	20.48	20.60	21.06	21.81
	2 TX Slots	28.58	28.71	28.89	30.00	-6.18	22.40	22.53	22.71	23.82
	3 TX Slots	26.63	26.78	27.05	28.00	-4.42	22.21	22.36	22.63	23.58
	4 TX Slots	25.67	25.86	25.81	27.00	-3.17	22.50	22.69	22.64	23.83
EGPRS (8PSK)	1 TX Slot	26.17	27.13	26.49	28.00	-9.19	16.98	17.94	17.30	18.81
	2 TX Slots	25.45	25.73	25.96	27.00	-6.18	19.27	19.55	19.78	20.82
	3 TX Slots	23.38	23.50	23.74	25.00	-4.42	18.96	19.08	19.32	20.58
	4 TX Slots	22.65	22.65	23.03	24.00	-3.17	19.48	19.48	19.86	20.83



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

Report No.: SUCR250700072001

Rev.: 01

Page: 3 of 19

2 Conducted Power of WCDMA

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.33	23.35	23.27	24.00
HSDPA	Subtest 1	21.93	21.53	21.55	22.00
	Subtest 2	21.97	21.59	21.74	22.00
	Subtest 3	21.85	21.43	21.64	22.00
	Subtest 4	21.79	21.47	21.70	22.00
HSUPA	Subtest 1	19.19	18.67	18.83	20.00
	Subtest 2	19.97	20.91	19.38	21.00
	Subtest 3	21.38	21.27	21.42	22.00
	Subtest 4	19.71	19.88	20.14	21.00
	Subtest 5	19.67	19.90	20.14	21.00

WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.51	22.59	22.54	23.00
HSDPA	Subtest 1	20.55	20.84	20.94	21.00
	Subtest 2	20.54	20.88	20.97	21.00
	Subtest 3	20.35	20.91	20.82	21.00
	Subtest 4	20.42	20.96	20.83	21.00
HSUPA	Subtest 1	17.75	18.22	18.10	19.00
	Subtest 2	18.58	18.70	18.61	19.00
	Subtest 3	19.88	19.78	20.65	21.00
	Subtest 4	18.98	17.35	17.25	19.00
	Subtest 5	19.16	18.67	19.33	20.00

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.78	22.86	22.74	23.00
HSDPA	Subtest 1	20.96	20.97	21.06	22.00
	Subtest 2	20.96	21.07	21.10	22.00
	Subtest 3	20.93	21.07	21.08	22.00
	Subtest 4	20.93	21.12	21.12	22.00
HSUPA	Subtest 1	19.20	19.06	18.93	20.00
	Subtest 2	19.90	20.10	19.92	21.00
	Subtest 3	19.56	20.09	19.47	21.00
	Subtest 4	18.89	18.86	19.01	20.00
	Subtest 5	18.64	18.59	18.69	19.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 4 of 19

3 Conducted Power of LTE

LTE Band 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.49	23.67	23.65	24.50
		1	2	23.19	23.47	23.51	24.50
		1	5	22.85	22.99	22.97	24.50
		3	0	22.59	22.78	22.71	24.50
		3	2	22.66	22.78	22.65	24.50
		3	3	22.53	22.86	22.56	24.50
		6	0	22.55	22.26	22.65	23.50
	16QAM	1	0	21.95	22.02	22.02	23.50
		1	2	22.44	22.33	22.53	23.50
		1	5	21.87	21.96	21.92	23.50
		3	0	22.01	21.87	22.19	23.50
		3	2	21.95	21.88	22.12	23.50
		3	3	21.94	21.79	21.98	23.50
		6	0	20.86	20.81	21.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.57	23.71	23.61	24.50
		1	7	23.14	23.48	23.47	24.50
		1	14	22.76	22.93	22.95	24.50
		8	0	22.04	21.76	22.19	23.50
		8	4	22.11	21.69	22.18	23.50
		8	7	21.97	21.80	22.14	23.50
		15	0	22.03	21.73	22.22	23.50
	16QAM	1	0	21.91	22.07	21.91	23.50
		1	7	22.44	22.34	22.53	23.50
		1	14	21.87	21.87	21.91	23.50
		8	0	20.95	20.90	21.17	22.50
		8	4	21.01	20.88	21.25	22.50
		8	7	20.94	20.81	20.94	22.50
		15	0	20.85	20.82	21.09	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.51	23.59	23.56	24.50
		1	13	23.13	23.49	23.47	24.50
		1	24	22.85	22.91	22.99	24.50
		12	0	21.98	21.80	22.16	23.50
		12	6	22.11	21.81	22.08	23.50
		12	13	22.08	21.78	22.10	23.50
		25	0	21.98	21.65	22.20	23.50



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

Report No.: SUCR250700072001

Rev.: 01

Page: 5 of 19

		1	0	21.91	22.02	22.00	23.50
		1	13	22.47	22.42	22.54	23.50
		1	24	21.91	21.91	21.85	23.50
	16QAM	12	0	21.05	20.81	21.21	22.50
		12	6	21.01	20.82	21.20	22.50
		12	13	20.92	20.77	20.95	22.50
		25	0	20.95	20.84	21.04	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.54	23.63	23.65	24.50
		1	25	23.19	23.42	23.44	24.50
		1	49	22.83	23.01	22.94	24.50
		25	0	22.11	21.79	22.28	23.50
		25	13	22.14	21.73	22.14	23.50
		25	25	22.09	21.88	22.07	23.50
		50	0	22.10	21.76	22.17	23.50
	16QAM	1	0	21.91	22.01	21.90	23.50
		1	25	22.55	22.43	22.45	23.50
		1	49	21.91	21.98	21.90	23.50
		25	0	21.02	20.93	21.26	22.50
		25	13	20.95	20.82	21.23	22.50
		25	25	21.00	20.69	21.00	22.50
		50	0	20.86	20.87	21.10	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.50	23.67	23.66	24.50
		1	38	23.09	23.46	23.47	24.50
		1	74	22.81	22.93	22.91	24.50
		36	0	22.10	21.91	22.17	23.50
		36	18	22.05	21.75	22.06	23.50
		36	39	22.02	21.79	22.07	23.50
		75	0	22.00	21.69	22.21	23.50
	16QAM	1	0	22.04	22.00	21.89	23.50
		1	38	22.58	22.31	22.55	23.50
		1	74	21.86	21.86	21.90	23.50
		36	0	21.01	20.83	21.15	22.50
		36	18	20.92	20.88	21.21	22.50
		36	39	20.95	20.79	20.97	22.50
		75	0	20.85	20.86	21.04	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.75	23.87	23.81	24.50
		1	50	23.35	23.66	23.69	24.50
		1	99	23.05	23.17	23.16	24.50
		50	0	22.58	22.66	22.43	23.50



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

Report No.: SUCR250700072001
Rev.: 01
Page: 6 of 19

		50	25	22.32	22.29	22.35	23.50
		50	50	22.26	22.15	22.29	23.50
		100	0	22.25	22.34	22.29	23.50
	16QAM	1	0	21.69	21.79	21.68	23.50
		1	50	22.23	22.08	22.25	23.50
		1	99	21.58	21.65	21.59	23.50
		50	0	21.20	21.09	21.45	22.50
		50	25	21.19	21.04	21.40	22.50
		50	50	21.18	20.97	21.21	22.50
		100	0	21.14	21.08	21.27	22.50



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

Report No.: SUCR250700072001

Rev.: 01

Page: 7 of 19

LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.18	23.23	22.93	24.00
		1	2	23.02	23.24	22.96	24.00
		1	5	22.64	22.98	22.66	24.00
		3	0	22.39	22.21	22.56	24.00
		3	2	22.21	22.48	22.35	24.00
		3	3	22.24	22.48	22.22	24.00
		6	0	21.92	22.35	22.34	23.00
	16QAM	1	0	21.40	21.60	21.96	23.00
		1	2	21.45	22.24	22.05	23.00
		1	5	21.47	21.82	21.66	23.00
		3	0	21.35	21.14	21.45	23.00
		3	2	21.36	21.47	21.36	23.00
		3	3	21.25	21.33	21.02	23.00
		6	0	21.03	21.45	21.25	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.19	23.23	23.01	24.00
		1	7	22.94	23.13	22.90	24.00
		1	14	22.52	23.02	22.67	24.00
		8	0	21.86	22.23	22.52	23.00
		8	4	21.78	22.44	22.39	23.00
		8	7	21.70	22.44	22.21	23.00
		15	0	21.92	22.35	22.35	23.00
	16QAM	1	0	21.39	21.60	21.85	23.00
		1	7	21.36	22.20	22.19	23.00
		1	14	21.54	21.84	21.62	23.00
		8	0	20.86	21.19	21.44	22.00
		8	4	20.86	21.48	21.40	22.00
		8	7	20.66	21.35	20.98	22.00
		15	0	21.09	21.38	21.32	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.13	23.19	22.96	24.00
		1	13	23.05	23.16	22.88	24.00
		1	24	22.53	23.05	22.67	24.00
		12	0	21.95	22.33	22.54	23.00
		12	6	21.84	22.40	22.34	23.00
		12	13	21.83	22.44	22.16	23.00
		25	0	21.89	22.44	22.33	23.00
	16QAM	1	0	21.42	21.64	21.93	23.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 8 of 19

		1	13	21.36	22.23	22.09	23.00
		1	24	21.58	21.82	21.66	23.00
		12	0	20.77	21.17	21.47	22.00
		12	6	20.82	21.43	21.32	22.00
		12	13	20.63	21.30	21.07	22.00
		25	0	21.06	21.39	21.31	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.19	23.21	23.01	24.00
		1	25	22.95	23.24	22.89	24.00
		1	49	22.54	23.08	22.67	24.00
		25	0	21.91	22.35	22.53	23.00
		25	13	21.82	22.40	22.34	23.00
		25	25	21.76	22.48	22.11	23.00
		50	0	21.87	22.34	22.45	23.00
	16QAM	1	0	21.43	21.54	21.90	23.00
		1	25	21.37	22.18	22.07	23.00
		1	49	21.53	21.77	21.64	23.00
		25	0	20.78	21.16	21.39	22.00
		25	13	20.77	21.45	21.39	22.00
		25	25	20.71	21.41	21.05	22.00
		50	0	21.06	21.34	21.26	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.26	23.35	23.09	24.00
		1	38	23.12	23.31	23.07	24.00
		1	74	22.71	23.17	22.80	24.00
		36	0	22.03	22.40	22.64	23.00
		36	18	21.91	22.56	22.45	23.00
		36	39	21.90	22.54	22.31	23.00
		75	0	22.03	22.50	22.51	23.00
	16QAM	1	0	21.56	21.73	22.05	23.00
		1	38	21.55	22.33	22.24	23.00
		1	74	21.65	21.93	21.79	23.00
		36	0	20.96	21.31	21.57	22.00
		36	18	20.93	21.56	21.49	22.00
		36	39	20.82	21.48	21.16	22.00
		75	0	21.16	21.53	21.44	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.57	/	24.00
		1	50	/	23.18	/	24.00
		1	99	/	23.21	/	24.00
		50	0	/	22.68	/	23.00
		50	25	/	22.39	/	23.00



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

Report No.: SUCR250700072001
Rev.: 01
Page: 9 of 19

		50	50	/	22.24	/	23.00
		100	0	/	22.28	/	23.00
	16QAM	1	0	/	21.21	/	23.00
		1	50	/	21.46	/	23.00
		1	99	/	21.51	/	23.00
		50	0	/	20.81	/	22.00
		50	25	/	21.00	/	22.00
		50	50	/	20.91	/	22.00
		100	0	/	20.79	/	22.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 10 of 19

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.14	23.26	23.14	24.00
		1	2	23.13	23.17	23.12	24.00
		1	5	23.02	22.91	22.93	24.00
		3	0	22.42	22.44	22.50	24.00
		3	2	22.46	22.50	22.61	24.00
		3	3	22.42	22.49	22.42	24.00
		6	0	22.01	22.03	21.90	23.00
	16QAM	1	0	21.53	21.69	21.58	23.00
		1	2	21.45	21.35	21.60	23.00
		1	5	21.69	21.42	21.39	23.00
		3	0	21.44	21.38	21.27	23.00
		3	2	21.50	21.50	21.38	23.00
		3	3	21.35	21.19	21.44	23.00
		6	0	21.07	20.82	20.79	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.20	23.20	23.03	24.00
		1	7	23.18	23.21	23.08	24.00
		1	14	22.98	22.91	22.96	24.00
		8	0	21.81	21.91	21.96	23.00
		8	4	22.01	22.09	21.98	23.00
		8	7	21.99	21.96	21.96	23.00
		15	0	22.02	22.07	21.90	23.00
	16QAM	1	0	21.56	21.70	21.60	23.00
		1	7	21.58	21.33	21.53	23.00
		1	14	21.72	21.45	21.37	23.00
		8	0	20.86	20.85	20.85	22.00
		8	4	21.00	20.88	20.87	22.00
		8	7	20.87	20.78	21.00	22.00
		15	0	21.09	20.83	20.78	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.26	23.34	23.22	24.00
		1	13	23.29	23.27	23.18	24.00
		1	24	23.17	22.98	23.07	24.00
		12	0	22.00	22.09	22.12	23.00
		12	6	22.06	22.15	22.17	23.00
		12	13	22.05	22.06	22.10	23.00
		25	0	22.15	22.12	22.07	23.00
	16QAM	1	0	21.73	21.87	21.72	23.00



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

Report No.: SUCR250700072001
 Rev.: 01
 Page: 11 of 19

		1	13	21.64	21.50	21.72	23.00
		1	24	21.78	21.58	21.48	23.00
		12	0	21.01	20.98	20.90	22.00
		12	6	21.09	21.07	21.04	22.00
		12	13	21.00	20.88	21.05	22.00
		25	0	21.27	20.89	20.91	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	23.55	/	24.00
		1	25	/	23.44	/	24.00
		1	49	/	23.26	/	24.00
		25	0	/	22.39	/	23.00
		25	13	/	22.17	/	23.00
		25	25	/	22.10	/	23.00
		50	0	/	22.18	/	23.00
	16QAM	1	0	/	21.87	/	23.00
		1	25	/	21.73	/	23.00
		1	49	/	21.56	/	23.00
		25	0	/	20.94	/	22.00
		25	13	/	21.03	/	22.00
		25	25	/	21.15	/	22.00
		50	0	/	21.23	/	22.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 12 of 19

LTE Band 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.04	23.11	23.21	24.00
		1	13	22.81	23.06	22.88	24.00
		1	24	22.81	22.94	22.69	24.00
		12	0	22.13	22.06	22.13	23.00
		12	6	22.02	22.08	22.20	23.00
		12	13	21.96	22.05	22.00	23.00
		25	0	22.04	21.95	22.13	23.00
	16QAM	1	0	21.61	21.78	21.61	23.00
		1	13	21.87	22.10	21.75	23.00
		1	24	21.70	21.41	21.73	23.00
		12	0	21.13	21.13	21.21	22.00
		12	6	21.10	21.14	21.04	22.00
		12	13	21.12	21.08	20.87	22.00
		25	0	21.07	20.90	20.96	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.09	23.23	23.10	24.00
		1	25	22.79	23.04	22.98	24.00
		1	49	22.76	22.87	22.71	24.00
		25	0	22.08	22.01	22.19	23.00
		25	13	22.12	22.00	22.14	23.00
		25	25	22.02	22.02	21.92	23.00
		50	0	22.01	21.94	22.11	23.00
	16QAM	1	0	21.51	21.73	21.58	23.00
		1	25	21.78	22.09	21.67	23.00
		1	49	21.73	21.38	21.75	23.00
		25	0	21.10	21.06	21.23	22.00
		25	13	21.17	21.23	21.05	22.00
		25	25	21.07	21.08	20.93	22.00
		50	0	21.05	20.88	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.97	23.09	23.11	24.00
		1	38	22.79	23.01	22.88	24.00
		1	74	22.83	22.91	22.72	24.00
		36	0	22.01	22.07	22.27	23.00
		36	18	22.05	22.08	22.24	23.00
		36	39	22.06	21.98	21.95	23.00
		75	0	22.05	21.99	22.05	23.00
	16QAM	1	0	21.63	21.69	21.57	23.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 13 of 19

		1	38	21.80	22.11	21.67	23.00
		1	74	21.61	21.50	21.68	23.00
		36	0	21.20	21.09	21.21	22.00
		36	18	21.07	21.13	21.09	22.00
		36	39	21.17	21.15	20.90	22.00
		75	0	21.15	21.00	21.01	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	23.26	23.39	23.33	24.00
		1	50	23.01	23.29	23.16	24.00
		1	99	22.98	23.10	22.92	24.00
		50	0	22.38	22.42	22.35	23.00
		50	25	22.30	22.28	22.41	23.00
		50	50	22.21	22.23	22.19	23.00
		100	0	22.25	22.32	22.20	23.00
	16QAM	1	0	21.80	21.97	21.77	23.00
		1	50	22.02	22.30	21.93	23.00
		1	99	21.90	21.66	21.95	23.00
		50	0	21.35	21.34	21.44	22.00
		50	25	21.33	21.40	21.33	22.00
		50	50	21.32	21.31	21.12	22.00
		100	0	21.33	21.18	21.22	22.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 14 of 19

LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.08	22.96	23.05	24.00
		1	13	23.00	22.74	23.02	24.00
		1	24	22.71	22.61	22.86	24.00
		12	0	21.93	21.71	21.90	23.00
		12	6	21.76	21.75	21.96	23.00
		12	13	21.65	21.80	21.99	23.00
		25	0	21.82	21.74	21.93	23.00
	16QAM	1	0	21.44	21.08	21.34	23.00
		1	13	21.74	21.26	21.91	23.00
		1	24	21.03	21.23	21.48	23.00
		12	0	20.97	20.38	20.84	22.00
		12	6	20.73	20.68	20.88	22.00
		12	13	20.62	20.70	20.74	22.00
		25	0	20.75	20.64	20.89	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.00	23.11	23.08	24.00
		1	25	22.99	22.69	22.90	24.00
		1	49	22.65	22.62	22.79	24.00
		25	0	22.05	21.69	21.86	23.00
		25	13	21.85	21.81	21.98	23.00
		25	25	21.73	21.77	21.91	23.00
		50	0	21.88	21.75	21.98	23.00
	16QAM	1	0	21.44	21.06	21.34	23.00
		1	25	21.80	21.25	21.92	23.00
		1	49	21.06	21.26	21.39	23.00
		25	0	20.94	20.50	20.83	22.00
		25	13	20.65	20.65	20.82	22.00
		25	25	20.56	20.69	20.78	22.00
		50	0	20.84	20.61	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.17	23.16	23.18	24.00
		1	38	23.06	22.88	23.07	24.00
		1	74	22.80	22.71	22.95	24.00
		36	0	22.10	21.87	22.05	23.00
		36	18	21.96	21.87	22.11	23.00
		36	39	21.84	21.90	22.06	23.00
		75	0	21.96	21.84	22.11	23.00
	16QAM	1	0	21.61	21.23	21.49	23.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 15 of 19

		1	38	21.87	21.36	22.00	23.00
		1	74	21.17	21.33	21.56	23.00
		36	0	21.04	20.56	20.90	22.00
		36	18	20.82	20.75	20.95	22.00
		36	39	20.74	20.78	20.86	22.00
		75	0	20.91	20.78	21.03	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	23.29	/	24.00
		1	50	/	23.11	/	24.00
		1	99	/	23.04	/	24.00
		50	0	/	22.41	/	23.00
		50	25	/	22.34	/	23.00
		50	50	/	22.35	/	23.00
		100	0	/	22.32	/	23.00
	16QAM	1	0	/	21.64	/	23.00
		1	50	/	21.85	/	23.00
		1	99	/	22.21	/	23.00
		50	0	/	21.22	/	22.00
		50	25	/	21.33	/	22.00
		50	50	/	21.04	/	22.00
		100	0	/	21.16	/	22.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 16 of 19

4 Conducted Power of WIFI

WIFI 2.4G					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.73	15.00
	6	2437		14.80	15.00
	11	2462		14.76	15.00
802.11g	1	2412	6	13.96	14.50
	6	2437		13.56	14.50
	11	2462		13.99	14.50
802.11n HT20	1	2412	6.5	11.06	12.50
	6	2437		11.01	12.50
	11	2462		11.92	12.50
802.11n HT40	3	2422	13.5	11.38	12.50
	6	2437		11.46	12.50
	9	2452		11.72	12.50



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

Report No.: SUCR250700072001

Rev.: 01

Page: 17 of 19

WIFI 5G					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	9.68	10.00
		40	5200	9.64	10.00
		48	5240	9.08	10.00
	802.11n HT20	36	5180	9.12	10.00
		40	5200	8.71	10.00
		48	5240	8.37	10.00
	802.11n HT40	38	5190	7.27	9.00
		46	5230	7.39	9.00
	802.11ac VHT20	36	5180	9.06	10.00
		40	5200	8.89	10.00
		48	5240	8.61	10.00
	802.11ac VHT40	38	5190	9.53	10.00
		46	5230	8.98	10.00
	802.11ac VHT80	42	5210	6.95	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	7.78	9.00
		60	5300	8.91	9.00
		64	5320	8.29	9.00
	802.11n HT20	52	5260	7.99	9.00
		60	5300	8.05	9.00
		64	5320	8.79	9.00
	802.11n HT40	54	5270	7.48	8.00
		62	5310	7.58	8.00
	802.11ac VHT20	52	5260	6.19	8.00
		60	5300	6.33	8.00
		64	5320	7.01	8.00
	802.11ac VHT40	54	5270	6.45	8.00
		62	5310	6.98	8.00
	802.11ac VHT80	58	5290	6.99	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	8.92	9.00
		116	5580	7.44	9.00
		140	5700	7.37	9.00
	802.11n HT20	100	5500	8.36	9.00
		116	5580	8.89	9.00
		140	5700	8.17	9.00
	802.11n HT40	102	5510	7.50	8.00
		110	5550	7.22	8.00
		134	5670	7.09	8.00
	802.11ac	100	5500	7.40	8.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 18 of 19

	VHT20	116	5580	7.82	8.00
		140	5700	7.26	8.00
	802.11ac VHT40	102	5510	7.81	8.00
		110	5550	7.38	8.00
		134	5670	6.61	8.00
	802.11ac VHT80	106	5530	7.88	8.00
		122	5610	7.76	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	12.46	14.00
		157	5785	12.90	14.00
		165	5825	13.49	14.00
	802.11n HT20	149	5745	12.25	13.00
		157	5785	12.71	13.00
		165	5825	11.61	13.00
	802.11n HT40	151	5755	12.07	13.00
		159	5795	12.68	13.00
	802.11ac VHT20	149	5745	12.26	13.00
		157	5785	12.70	13.00
		165	5825	11.62	13.00
	802.11ac VHT40	151	5755	11.99	13.00
		159	5795	11.81	13.00
	802.11ac VHT80	155	5775	11.53	13.00



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

Report No.: SUCR250700072001

Rev.: 01

Page: 19 of 19

5 Conducted Power of Bluetooth

BT Ant		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	1.78	1.74	0.89	2.00
	$\pi/4$ DQPSK	3.58	3.43	2.85	4.00
	8DPSK	3.95	3.93	3.08	4.00

BT Ant		Average Conducted Power(dBm)			Tune up
Band	Channel	0	19	39	
BLE 1M	GFSK	-4.06	-4.09	-5.18	-4.00