

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

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		1	5	22.39	22.45	22.46	23.00
		3	0	21.58	21.47	21.99	23.00
		3	2	22.03	21.56	21.79	23.00
		3	3	21.60	21.89	21.92	23.00
		6	0	20.85	20.93	20.83	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	24.40	24.18	23.81	25.00
		1	7	23.74	24.03	24.35	25.00
		1	14	24.34	23.97	24.05	25.00
		8	0	22.80	22.83	22.84	24.00
		8	4	22.66	22.73	23.02	24.00
		8	7	22.92	22.77	23.00	24.00
		15	0	22.75	22.76	22.62	24.00
	16QAM	1	0	23.36	23.16	23.31	24.00
		1	7	23.35	22.79	22.53	24.00
		1	14	23.21	22.67	23.48	24.00
		8	0	21.92	21.98	21.94	23.00
		8	4	21.92	21.94	21.90	23.00
		8	7	21.96	22.06	22.25	23.00
		15	0	21.78	21.81	21.75	23.00
	64QAM	1	0	21.65	21.40	21.72	23.00
		1	7	21.96	21.51	21.94	23.00
		1	14	22.16	22.27	22.12	23.00
		8	0	20.98	21.01	21.14	22.00
		8	4	20.99	21.00	21.08	22.00
		8	7	20.94	20.78	21.10	22.00
		15	0	20.68	20.90	20.83	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	24.38	24.20	23.88	25.00
		1	13	23.75	23.94	24.36	25.00
		1	24	24.24	24.12	24.15	25.00
		12	0	22.90	22.78	22.69	24.00
		12	6	22.69	22.77	23.06	24.00
		12	13	23.01	22.90	23.11	24.00
		25	0	22.67	22.86	22.71	24.00
	16QAM	1	0	23.30	23.08	23.34	24.00
		1	13	23.37	22.71	22.60	24.00



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		1	24	23.30	22.71	23.44	24.00
		12	0	21.88	22.03	21.84	23.00
		12	6	22.08	21.97	21.77	23.00
		12	13	21.95	22.03	22.25	23.00
		25	0	21.87	21.91	21.85	23.00
	64QAM	1	0	21.60	21.51	21.73	23.00
		1	13	21.94	21.51	21.82	23.00
		1	24	22.26	22.32	22.24	23.00
		12	0	20.98	20.92	21.14	22.00
		12	6	20.93	20.99	21.06	22.00
		12	13	20.95	20.94	21.09	22.00
		25	0	20.84	21.00	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	24.30	24.14	23.86	25.00
		1	25	23.70	24.00	24.28	25.00
		1	49	24.25	24.04	24.06	25.00
		25	0	22.83	22.74	22.77	24.00
		25	13	22.59	22.68	22.98	24.00
		25	25	22.97	22.81	23.07	24.00
		50	0	22.70	22.84	22.68	24.00
	16QAM	1	0	23.26	23.06	23.26	24.00
		1	25	23.34	22.73	22.51	24.00
		1	49	23.29	22.66	23.46	24.00
		25	0	21.85	22.05	21.90	23.00
		25	13	21.99	22.00	21.83	23.00
		25	25	21.92	22.04	22.18	23.00
		50	0	21.84	21.83	21.80	23.00
	64QAM	1	0	21.63	21.44	21.64	23.00
		1	25	21.95	21.53	21.88	23.00
		1	49	22.16	22.23	22.19	23.00
		25	0	21.06	20.99	21.12	22.00
		25	13	20.92	20.93	21.02	22.00
		25	25	20.86	20.85	21.02	22.00
		50	0	20.76	20.96	20.91	22.00



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LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	24.04	24.01	23.91	25.00
		1	13	23.94	24.01	24.04	25.00
		1	24	24.10	24.04	24.14	25.00
		12	0	23.01	23.07	23.10	24.00
		12	6	22.96	23.04	23.14	24.00
		12	13	23.04	23.07	23.07	24.00
		25	0	23.07	22.99	23.08	24.00
	16QAM	1	0	23.14	23.14	23.28	24.00
		1	13	23.19	23.13	23.16	24.00
		1	24	23.34	23.30	23.26	24.00
		12	0	22.01	22.01	22.01	23.00
		12	6	21.98	22.13	22.05	23.00
		12	13	22.03	21.91	21.97	23.00
		25	0	22.09	22.13	22.14	23.00
	64QAM	1	0	22.27	22.35	22.30	23.00
		1	13	22.00	21.86	21.87	23.00
		1	24	21.49	21.55	21.48	23.00
		12	0	21.34	21.35	21.41	22.00
		12	6	21.46	21.30	21.40	22.00
		12	13	21.35	21.42	21.28	22.00
		25	0	21.73	21.74	21.73	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23.97	/	25.00
		1	25	/	24	/	25.00
		1	49	/	24.07	/	25.00
		25	0	/	23.08	/	24.00
		25	13	/	23.04	/	24.00
		25	25	/	23.07	/	24.00
		50	0	/	23.03	/	24.00
	16QAM	1	0	/	23.18	/	24.00
		1	25	/	23.13	/	24.00
		1	49	/	23.25	/	24.00
		25	0	/	22.06	/	23.00
		25	13	/	22.06	/	23.00



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	64QAM	25	25	/	22.01	/	23.00
		50	0	/	22.12	/	23.00
		1	0	/	22.25	/	23.00
		1	25	/	21.95	/	23.00
		1	49	/	21.52	/	23.00
		25	0	/	21.43	/	22.00
		25	13	/	21.39	/	22.00
		25	25	/	21.38	/	22.00
		50	0	/	21.80	/	22.00

LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.47	23.70	23.67	25.00
		1	13	23.57	23.60	24.03	25.00
		1	24	23.74	23.82	23.88	25.00
		12	0	22.71	22.93	22.55	24.00
		12	6	22.70	22.90	22.54	24.00
		12	13	22.84	22.95	22.57	24.00
		25	0	22.66	22.91	22.65	24.00
	16QAM	1	0	23.36	23.24	22.54	24.00
		1	13	23.15	23.00	22.35	24.00
		1	24	22.97	23.24	22.75	24.00
		12	0	21.72	21.95	21.92	23.00
		12	6	21.92	21.95	22.06	23.00
		12	13	22.19	21.96	22.03	23.00
		25	0	21.77	21.92	21.83	23.00
	64QAM	1	0	22.03	21.74	21.87	23.00
		1	13	21.91	22.36	21.69	23.00
		1	24	22.76	22.20	22.31	23.00
		12	0	20.69	20.89	20.88	22.00
		12	6	20.72	20.83	20.78	22.00
		12	13	21.23	21.17	21.19	22.00
		25	0	20.76	21.00	20.94	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.50	23.73	23.68	25.00
		1	25	23.62	23.65	24.04	25.00



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		1	49	23.76	23.87	23.93	25.00
		25	0	22.76	22.96	22.57	24.00
		25	13	22.77	22.94	22.56	24.00
		25	25	22.90	22.95	22.57	24.00
		50	0	22.68	22.98	22.66	24.00
	16QAM	1	0	23.38	23.28	22.61	24.00
		1	25	23.15	23.01	22.42	24.00
		1	49	23.02	23.29	22.76	24.00
		25	0	21.73	21.98	21.96	23.00
		25	13	21.94	22.01	22.07	23.00
		25	25	22.25	21.98	22.04	23.00
		50	0	21.80	21.93	21.88	23.00
	64QAM	1	0	22.05	21.77	21.88	23.00
		1	25	21.97	22.37	21.73	23.00
		1	49	22.76	22.23	22.32	23.00
		25	0	20.71	20.96	20.89	22.00
		25	13	20.74	20.87	20.84	22.00
		25	25	21.28	21.22	21.26	22.00
		50	0	20.81	21.02	20.94	22.00

LTE Band 26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	24.06	24.10	23.97	25.00
		1	2	24.13	24.29	23.86	25.00
		1	5	24.00	24.18	24.01	25.00
		3	0	24.03	24.08	23.69	25.00
		3	2	23.93	23.96	23.64	25.00
		3	3	23.89	23.92	23.68	25.00
		6	0	22.74	22.92	22.79	24.00
	16QAM	1	0	23.02	22.72	23.04	24.00
		1	2	23.24	23.14	22.45	24.00
		1	5	22.98	23.37	22.93	24.00
		3	0	23.24	23.44	23.37	24.00
		3	2	23.60	23.18	23.30	24.00
		3	3	23.19	23.23	23.05	24.00
		6	0	21.82	21.89	21.67	23.00
	64QAM	1	0	22.55	22.39	22.08	23.00



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		1	2	22.47	22.46	22.49	23.00
		1	5	22.37	21.63	22.20	23.00
		3	0	21.93	22.00	21.58	23.00
		3	2	21.93	22.02	21.92	23.00
		3	3	21.99	21.98	22.11	23.00
		6	0	21.07	21.06	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.88	24.09	24.16	25.00
		1	7	24.14	24.25	24.14	25.00
		1	14	23.96	24.04	24.21	25.00
		8	0	22.89	23.11	22.85	24.00
		8	4	22.85	22.80	22.92	24.00
		8	7	23.13	22.78	22.72	24.00
		15	0	22.92	23.00	22.97	24.00
	16QAM	1	0	22.80	22.58	23.22	24.00
		1	7	22.79	23.37	23.11	24.00
		1	14	23.18	23.59	22.82	24.00
		8	0	22.20	22.33	22.18	23.00
		8	4	22.28	21.97	21.91	23.00
		8	7	22.17	22.01	22.09	23.00
		15	0	22.07	22.18	21.96	23.00
	64QAM	1	0	22.19	22.03	22.55	23.00
		1	7	22.60	22.07	22.53	23.00
		1	14	22.65	22.38	21.72	23.00
		8	0	21.12	21.30	21.41	22.00
		8	4	20.97	20.92	20.93	22.00
		8	7	21.04	21.01	21.31	22.00
		15	0	20.99	21.07	21.00	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.85	24.07	24.13	25.00
		1	13	23.98	24.12	24.18	25.00
		1	24	23.88	24.03	24.14	25.00
		12	0	22.85	23.16	22.81	24.00
		12	6	22.97	22.79	22.94	24.00
		12	13	23.13	22.81	22.77	24.00
		25	0	23.06	22.92	22.98	24.00
	16QAM	1	0	22.72	22.58	23.29	24.00



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		1	13	22.78	23.27	23.08	24.00
		1	24	23.20	23.47	22.85	24.00
		12	0	22.14	22.28	22.06	23.00
		12	6	22.17	21.96	21.91	23.00
		12	13	22.23	22.01	22.07	23.00
		25	0	22.16	22.05	21.91	23.00
	64QAM	1	0	22.24	21.99	22.54	23.00
		1	13	22.55	22.09	22.62	23.00
		1	24	22.57	22.42	21.58	23.00
		12	0	21.14	21.25	21.34	22.00
		12	6	20.94	21.01	21.06	22.00
		12	13	21.03	20.98	21.37	22.00
		25	0	20.99	21.10	21.04	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.85	24.03	24.10	25.00
		1	25	23.98	24.18	24.11	25.00
		1	49	23.94	24.12	24.11	25.00
		25	0	22.94	23.14	22.69	24.00
		25	13	22.84	22.77	22.95	24.00
		25	25	23.05	22.91	22.83	24.00
		50	0	23.00	23.01	22.87	24.00
	16QAM	1	0	22.83	22.47	23.36	24.00
		1	25	22.67	23.30	22.95	24.00
		1	49	23.21	23.42	22.92	24.00
		25	0	22.25	22.37	22.18	23.00
		25	13	22.29	22.11	21.99	23.00
		25	25	22.24	22.12	22.16	23.00
		50	0	22.04	22.15	21.94	23.00
	64QAM	1	0	22.30	22.08	22.56	23.00
		1	25	22.42	21.95	22.58	23.00
		1	49	22.50	22.38	21.72	23.00
		25	0	21.20	21.34	21.34	22.00
		25	13	21.05	21.05	21.00	22.00
		25	25	20.95	20.95	21.36	22.00
		50	0	21.03	21.08	21.07	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	23.86	23.99	24.16	25.00



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		1	38	24.05	24.16	24.10	25.00
		1	74	23.90	24.05	24.11	25.00
		36	0	22.93	23.10	22.76	24.00
		36	18	22.90	22.83	22.96	24.00
		36	39	23.04	22.86	22.74	24.00
		75	0	22.96	22.98	22.91	24.00
	16QAM	1	0	22.77	22.50	23.28	24.00
		1	38	22.72	23.30	23.02	24.00
		1	74	23.18	23.49	22.85	24.00
		36	0	22.19	22.28	22.12	23.00
		36	18	22.19	22.03	21.99	23.00
		36	39	22.16	22.06	22.08	23.00
		75	0	22.11	22.11	21.94	23.00
	64QAM	1	0	22.27	21.98	22.60	23.00
		1	38	22.50	22.01	22.56	23.00
		1	74	22.58	22.42	21.64	23.00
		36	0	21.13	21.30	21.34	22.00
		36	18	20.95	21.00	21.00	22.00
		36	39	21.00	20.93	21.29	22.00
		75	0	21.07	21.08	21.00	22.00



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## 3 Conducted Power of WIFI and Bluetooth

### 3.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant 3					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.19	17.50
	6	2437		16.67	17.50
	11	2462		16.09	17.50
802.11g	1	2412	6	14.28	15.50
	6	2437		15.09	15.50
	11	2462		14.81	15.50
802.11n HT20	1	2412	6.5	14.13	15.50
	6	2437		14.59	15.50
	11	2462		14.49	15.50

## 3.2 Conducted Power of Bluetooth

BT		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	6.47	6.23	6.30	7.00
	$\pi/4$ DQPSK	5.24	5.09	5.50	7.00
	8DPSK	5.30	5.08	5.49	7.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	-2.17	-2.40	-2.60	-1.00

- End of the Appendix -