



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

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# Appendix C.1\_WWAN RSE for SZCR2505002214WM

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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center FCC Laboratory.

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GSM

GSM850-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1648.4	-57.67	-13	-44.67	-60.56	2.62	5.51	Horizontal	Pass
2472.6	-42.47	-13	-29.47	-45.16	3.06	5.75	Horizontal	Pass
3296.8	-65.81	-13	-52.81	-70.17	3.3	7.66	Horizontal	Pass
1648.4	-52.61	-13	-39.61	-55.5	2.62	5.51	Vertical	Pass
2472.6	-39.86	-13	-26.86	-42.55	3.06	5.75	Vertical	Pass
3296.8	-67.05	-13	-54.05	-71.41	3.3	7.66	Vertical	Pass

GSM850-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1673.2	-58.1	-13	-45.1	-60.91	2.63	5.44	Horizontal	Pass
2509.8	-52.97	-13	-39.97	-55.73	3.08	5.84	Horizontal	Pass
3346.4	-64.02	-13	-51.02	-68.49	3.32	7.79	Horizontal	Pass
1673.2	-58.21	-13	-45.21	-61.02	2.63	5.44	Vertical	Pass
2509.8	-37.5	-13	-24.5	-40.26	3.08	5.84	Vertical	Pass
3346.4	-66.6	-13	-53.6	-71.07	3.32	7.79	Vertical	Pass

GSM850-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1697.6	-64.07	-13	-51.07	-66.81	2.64	5.38	Horizontal	Pass
2546.4	-55.16	-13	-42.16	-57.99	3.09	5.92	Horizontal	Pass
3395.2	-65.57	-13	-52.57	-70.13	3.35	7.91	Horizontal	Pass
1697.6	-59.85	-13	-46.85	-62.59	2.64	5.38	Vertical	Pass
2546.4	-45.61	-13	-32.61	-48.44	3.09	5.92	Vertical	Pass
3395.2	-66.27	-13	-53.27	-70.83	3.35	7.91	Vertical	Pass



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### WCDMA

WCDMA Band 4-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.8	-63.48	-13	-50.48	-68.1	3.36	7.98	Horizontal	Pass
5137.2	-51.27	-13	-38.27	-56.89	4.61	10.23	Horizontal	Pass
6849.6	-60.99	-13	-47.99	-67.03	4.9	10.94	Horizontal	Pass
3424.8	-65.04	-13	-52.04	-69.66	3.36	7.98	Vertical	Pass
5137.2	-58.62	-13	-45.62	-64.24	4.61	10.23	Vertical	Pass
6849.6	-60.97	-13	-47.97	-67.01	4.9	10.94	Vertical	Pass

WCDMA Band 4-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3465.2	-65.8	-13	-52.8	-70.5	3.38	8.08	Horizontal	Pass
5197.8	-58.97	-13	-45.97	-64.6	4.63	10.26	Horizontal	Pass
6930.4	-60.11	-13	-47.11	-66.24	4.91	11.04	Horizontal	Pass
3465.2	-65.83	-13	-52.83	-70.53	3.38	8.08	Vertical	Pass
5197.8	-59.73	-13	-46.73	-65.36	4.63	10.26	Vertical	Pass
6930.4	-59.94	-13	-46.94	-66.07	4.91	11.04	Vertical	Pass

WCDMA Band 4-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3505.2	-65.98	-13	-52.98	-70.76	3.4	8.18	Horizontal	Pass
5257.8	-59.79	-13	-46.79	-65.44	4.65	10.3	Horizontal	Pass
7010.4	-60.54	-13	-47.54	-66.76	4.92	11.14	Horizontal	Pass
3505.2	-65.71	-13	-52.71	-70.49	3.4	8.18	Vertical	Pass
5257.8	-57.47	-13	-44.47	-63.12	4.65	10.3	Vertical	Pass
7010.4	-60.96	-13	-47.96	-67.18	4.92	11.14	Vertical	Pass



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### LTE

LTE Band 48-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7102	-56.03	-40	-16.03	-62.36	4.92	11.25	Horizontal	Pass
10653	-48.49	-40	-8.49	-56.05	5.61	13.17	Horizontal	Pass
14204	-50.06	-40	-10.06	-58.06	6.46	14.46	Horizontal	Pass
7102	-56.43	-40	-16.43	-62.76	4.92	11.25	Vertical	Pass
10653	-52.61	-40	-12.61	-60.17	5.61	13.17	Vertical	Pass
14204	-54.86	-40	-14.86	-62.86	6.46	14.46	Vertical	Pass

LTE Band 48-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7232	-53.88	-40	-13.88	-60.36	4.93	11.41	Horizontal	Pass
10848	-56.06	-40	-16.06	-63.57	5.71	13.22	Horizontal	Pass
14464	-52.81	-40	-12.81	-60.62	6.61	14.42	Horizontal	Pass
7232	-54.39	-40	-14.39	-60.87	4.93	11.41	Vertical	Pass
10848	-52.28	-40	-12.28	-59.79	5.71	13.22	Vertical	Pass
14464	-53.02	-40	-13.02	-60.83	6.61	14.42	Vertical	Pass

LTE Band 48-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7362	-55.08	-40	-15.08	-61.72	4.93	11.57	Horizontal	Pass
11043	-49.37	-40	-9.37	-56.85	5.79	13.27	Horizontal	Pass
14724	-52.49	-40	-12.49	-60.12	6.83	14.46	Horizontal	Pass
7362	-58.42	-40	-18.42	-65.06	4.93	11.57	Vertical	Pass
11043	-51.97	-40	-11.97	-59.45	5.79	13.27	Vertical	Pass
14724	-51.32	-40	-11.32	-58.95	6.83	14.46	Vertical	Pass



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NR

NR N48-Low channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7104.0	-60.33	-40	-20.33	-66.67	4.92	11.26	Horizontal	Pass
10656.0	-57.62	-40	-17.62	-65.18	5.61	13.17	Horizontal	Pass
14208.0	-53.91	-40	-13.91	-61.91	6.46	14.46	Horizontal	Pass
7104.0	-59.99	-40	-19.99	-66.33	4.92	11.26	Vertical	Pass
10656.0	-57.62	-40	-17.62	-65.18	5.61	13.17	Vertical	Pass
14208.0	-54.38	-40	-14.38	-62.38	6.46	14.46	Vertical	Pass

NR N48-Middle channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7213.98	-59.3	-40	-19.3	-65.76	4.93	11.39	Horizontal	Pass
10820.97	-55.79	-40	-15.79	-63.32	5.69	13.22	Horizontal	Pass
14427.96	-54.13	-40	-14.13	-61.97	6.59	14.43	Horizontal	Pass
7213.98	-58.61	-40	-18.61	-65.07	4.93	11.39	Vertical	Pass
10820.97	-57.16	-40	-17.16	-64.69	5.69	13.22	Vertical	Pass
14427.96	-54.03	-40	-14.03	-61.87	6.59	14.43	Vertical	Pass

NR N48-High channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7323.96	-60.24	-40	-20.24	-66.84	4.93	11.53	Horizontal	Pass
10985.94	-56.57	-40	-16.57	-64.07	5.77	13.27	Horizontal	Pass
14647.92	-54.49	-40	-14.49	-62.18	6.76	14.45	Horizontal	Pass
7323.96	-60.21	-40	-20.21	-66.81	4.93	11.53	Vertical	Pass
10985.94	-55.56	-40	-15.56	-63.06	5.77	13.27	Vertical	Pass
14647.92	-54.11	-40	-14.11	-61.8	6.76	14.45	Vertical	Pass

- End of the Appendix -