



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

SUWI-TRF-RF A001

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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0	19.62	16.92	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	0	19.3	16.6	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	0	18.66	15.96	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	0	18.61	15.91	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	0	17.8	15.1	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0	19.71	17.01	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	0	19.49	16.79	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	0	18.85	16.15	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	0	18.68	15.98	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0	17.86	15.16	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0	19.68	16.98	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	0	19.39	16.69	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	0	18.71	16.01	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	0	18.52	15.82	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0	17.74	15.04	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0	18.61	15.91	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	0	18.76	16.06	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	0	17.97	15.27	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	0	17.72	15.02	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0	17.78	15.08	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0	18.8	16.1	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	0	18.54	15.84	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	0	18.06	15.36	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	0	17.91	15.21	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0	17.86	15.16	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0	18.68	15.98	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	0	18.77	16.07	34.77	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	16QAM	23173	3RB#0	0	17.86	15.16	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	0	17.8	15.1	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0	17.67	14.97	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	0	19.83	17.13	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#5	0	19.39	16.69	34.77	PASS
Band12	3MHz	QPSK	23025	3RB#0	0	19.67	16.97	34.77	PASS
Band12	3MHz	QPSK	23025	3RB#3	0	19.52	16.82	34.77	PASS
Band12	3MHz	QPSK	23025	6RB#0	0	18.67	15.97	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	0	19.88	17.18	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#5	0	19.57	16.87	34.77	PASS
Band12	3MHz	QPSK	23095	3RB#0	0	19.82	17.12	34.77	PASS
Band12	3MHz	QPSK	23095	3RB#3	0	19.71	17.01	34.77	PASS
Band12	3MHz	QPSK	23095	6RB#0	0	18.79	16.09	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	1	19.71	17.01	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#5	1	19.41	16.71	34.77	PASS
Band12	3MHz	QPSK	23165	3RB#0	1	19.56	16.86	34.77	PASS
Band12	3MHz	QPSK	23165	3RB#3	1	19.58	16.88	34.77	PASS
Band12	3MHz	QPSK	23165	6RB#0	1	18.73	16.03	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	0	19.46	16.76	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#5	0	19.54	16.84	34.77	PASS
Band12	3MHz	16QAM	23025	3RB#0	0	19.1	16.4	34.77	PASS
Band12	3MHz	16QAM	23025	3RB#3	0	19.27	16.57	34.77	PASS
Band12	3MHz	16QAM	23025	6RB#0	0	19.18	16.48	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	0	19.61	16.91	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#5	0	19.64	16.94	34.77	PASS
Band12	3MHz	16QAM	23095	3RB#0	0	19.25	16.55	34.77	PASS
Band12	3MHz	16QAM	23095	3RB#3	0	19.41	16.71	34.77	PASS
Band12	3MHz	16QAM	23095	6RB#0	0	19.39	16.69	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	1	19.46	16.76	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#5	1	19.55	16.85	34.77	PASS

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Wireless Laboratory

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

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	3MHz	16QAM	23165	3RB#0	1	19.08	16.38	34.77	PASS
Band12	3MHz	16QAM	23165	3RB#3	1	19.33	16.63	34.77	PASS
Band12	3MHz	16QAM	23165	6RB#0	1	19.18	16.48	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	0	19.85	17.15	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#5	0	19.45	16.75	34.77	PASS
Band12	5MHz	QPSK	23035	3RB#0	0	19.75	17.05	34.77	PASS
Band12	5MHz	QPSK	23035	3RB#3	0	19.62	16.92	34.77	PASS
Band12	5MHz	QPSK	23035	6RB#0	0	18.69	15.99	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	0	19.92	17.22	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#5	0	19.58	16.88	34.77	PASS
Band12	5MHz	QPSK	23095	3RB#0	0	19.83	17.13	34.77	PASS
Band12	5MHz	QPSK	23095	3RB#3	0	19.72	17.02	34.77	PASS
Band12	5MHz	QPSK	23095	6RB#0	0	18.84	16.14	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	3	19.9	17.2	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#5	3	19.46	16.76	34.77	PASS
Band12	5MHz	QPSK	23155	3RB#0	3	19.56	16.86	34.77	PASS
Band12	5MHz	QPSK	23155	3RB#3	3	19.57	16.87	34.77	PASS
Band12	5MHz	QPSK	23155	6RB#0	3	18.82	16.12	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	0	19.55	16.85	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#5	0	19.57	16.87	34.77	PASS
Band12	5MHz	16QAM	23035	3RB#0	0	19.07	16.37	34.77	PASS
Band12	5MHz	16QAM	23035	3RB#3	0	19.32	16.62	34.77	PASS
Band12	5MHz	16QAM	23035	6RB#0	0	19.21	16.51	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	0	19.56	16.86	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#5	0	19.62	16.92	34.77	PASS
Band12	5MHz	16QAM	23095	3RB#0	0	19.21	16.51	34.77	PASS
Band12	5MHz	16QAM	23095	3RB#3	0	19.44	16.74	34.77	PASS
Band12	5MHz	16QAM	23095	6RB#0	0	19.29	16.59	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	3	19.48	16.78	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#5	3	19.55	16.85	34.77	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	5MHz	16QAM	23155	3RB#0	3	19.13	16.43	34.77	PASS
Band12	5MHz	16QAM	23155	3RB#3	3	19.38	16.68	34.77	PASS
Band12	5MHz	16QAM	23155	6RB#0	3	19.28	16.58	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	0	19.98	17.28	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#5	0	19.57	16.87	34.77	PASS
Band12	10MHz	QPSK	23060	3RB#0	0	19.81	17.11	34.77	PASS
Band12	10MHz	QPSK	23060	3RB#3	0	19.68	16.98	34.77	PASS
Band12	10MHz	QPSK	23060	6RB#0	0	18.8	16.1	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	0	20.05	17.35	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#5	0	19.72	17.02	34.77	PASS
Band12	10MHz	QPSK	23095	3RB#0	0	19.88	17.18	34.77	PASS
Band12	10MHz	QPSK	23095	3RB#3	0	19.78	17.08	34.77	PASS
Band12	10MHz	QPSK	23095	6RB#0	0	18.95	16.25	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	7	19.95	17.25	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#5	7	19.58	16.88	34.77	PASS
Band12	10MHz	QPSK	23130	3RB#0	7	19.72	17.02	34.77	PASS
Band12	10MHz	QPSK	23130	3RB#3	7	19.72	17.02	34.77	PASS
Band12	10MHz	QPSK	23130	6RB#0	7	18.89	16.19	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	0	19.6	16.9	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#5	0	19.63	16.93	34.77	PASS
Band12	10MHz	16QAM	23060	3RB#0	0	19.21	16.51	34.77	PASS
Band12	10MHz	16QAM	23060	3RB#3	0	19.39	16.69	34.77	PASS
Band12	10MHz	16QAM	23060	6RB#0	0	19.37	16.67	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	0	19.69	16.99	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#5	0	19.74	17.04	34.77	PASS
Band12	10MHz	16QAM	23095	3RB#0	0	19.36	16.66	34.77	PASS
Band12	10MHz	16QAM	23095	3RB#3	0	19.52	16.82	34.77	PASS
Band12	10MHz	16QAM	23095	6RB#0	0	19.44	16.74	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	7	19.58	16.88	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#5	7	19.61	16.91	34.77	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	10MHz	16QAM	23130	3RB#0	7	19.23	16.53	34.77	PASS
Band12	10MHz	16QAM	23130	3RB#3	7	19.46	16.76	34.77	PASS
Band12	10MHz	16QAM	23130	6RB#0	7	19.36	16.66	34.77	PASS

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### Field Strength of Spurious Radiation

Test Band = LTE Cat-M1 Band 12

Test Channel = LCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.1111	59.99	-47.29	25.10	-57.46	-13.00	44.46	Horizontal
2	2099.1111	63.56	-45.69	26.52	-50.87	-13.00	37.87	Horizontal
3	2799.1111	50.69	-44.44	28.66	-60.36	-13.00	47.36	Horizontal
4	3540	47.12	-43.29	29.74	-61.69	-13.00	48.69	Horizontal
5	5260	40.47	-40.87	33.15	-62.51	-13.00	49.51	Horizontal
6	7298.2222	38.70	-37.83	36.36	-58.03	-13.00	45.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.1111	57.73	-47.29	25.10	-59.72	-13.00	46.72	Vertical
2	2099.1111	66.13	-45.69	26.52	-48.30	-13.00	35.30	Vertical
3	2927.1111	53.84	-44.12	29.19	-56.35	-13.00	43.35	Vertical
4	3498.6667	44.84	-43.32	29.60	-64.14	-13.00	51.14	Vertical
5	5600.4444	39.94	-40.59	33.44	-62.47	-13.00	49.47	Vertical
6	7277.3333	46.99	-37.86	36.33	-49.80	-13.00	36.80	Vertical

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**Test Band = LTE Cat-M1 Band 12**

**Test Channel = MCH**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.2222	57.26	-47.28	25.08	-60.19	-13.00	47.19	Horizontal
2	2109.7778	63.28	-45.68	26.54	-51.12	-13.00	38.12	Horizontal
3	2813.7778	49.69	-44.40	28.72	-61.26	-13.00	48.26	Horizontal
4	3516.4444	44.23	-43.31	29.66	-64.68	-13.00	51.68	Horizontal
5	5105.3333	39.94	-41.26	33.18	-63.41	-13.00	50.41	Horizontal
6	7277.7778	61.58	-37.86	36.33	-35.21	-13.00	22.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.2222	57.34	-47.28	25.08	-60.11	-13.00	47.11	Vertical
2	2109.7778	66.20	-45.68	26.54	-48.20	-13.00	35.20	Vertical
3	2438.6667	59.67	-45.15	27.27	-53.47	-13.00	40.47	Vertical
4	2941.3333	53.68	-44.09	29.25	-56.42	-13.00	43.42	Vertical
5	4936.8889	39.94	-41.40	33.06	-63.66	-13.00	50.66	Vertical
6	7205.3333	42.50	-37.96	36.25	-54.48	-13.00	41.48	Vertical

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

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**Test Band = LTE Cat-M1 Band 12**

**Test Channel = HCH**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.3333	58.13	-47.26	25.07	-59.33	-13.00	46.33	Horizontal
2	2120.4444	62.31	-45.67	26.56	-52.06	-13.00	39.06	Horizontal
3	2827.1111	48.98	-44.37	28.77	-61.88	-13.00	48.88	Horizontal
4	3575.1111	47.12	-43.26	29.86	-61.54	-13.00	48.54	Horizontal
5	5448.8889	40.19	-40.73	33.11	-62.69	-13.00	49.69	Horizontal
6	7440.8889	40.20	-37.82	36.53	-56.36	-13.00	43.36	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.3333	57.24	-47.26	25.07	-60.22	-13.00	47.22	Vertical
2	2120	66.15	-45.67	26.56	-48.22	-13.00	35.22	Vertical
3	2955.1111	54.23	-44.06	29.31	-55.78	-13.00	42.78	Vertical
4	3534.6667	44.86	-43.29	29.72	-63.97	-13.00	50.97	Vertical
5	5001.7778	40.09	-41.26	33.20	-63.23	-13.00	50.23	Vertical
6	7408.8889	37.97	-37.82	36.49	-58.62	-13.00	45.62	Vertical

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