



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
Band5	1.4MHz	QPSK	20407	1RB#0	0	19.26	16.78	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	0	19.28	16.8	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	0	19.19	16.71	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	0	19.01	16.53	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0	18.22	15.74	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0	19.36	16.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	0	19.28	16.8	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	0	19.31	16.83	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	0	19.12	16.64	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0	18.33	15.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0	19.24	16.76	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	0	19.2	16.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	0	19.26	16.78	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	0	19.11	16.63	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0	18.25	15.77	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0	19.24	16.76	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	0	19.08	16.6	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	0	18.71	16.23	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	0	18.91	16.43	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0	18.93	16.45	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0	19.26	16.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	0	19.13	16.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	0	18.64	16.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	0	18.94	16.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0	18.96	16.48	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0	19.29	16.81	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	0	19.01	16.53	38.45	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	16QAM	20643	3RB#0	0	18.98	16.5	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	0	18.86	16.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0	18.9	16.42	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	0	19.26	16.78	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#5	0	19.19	16.71	38.45	PASS
Band5	3MHz	QPSK	20415	3RB#0	0	19.17	16.69	38.45	PASS
Band5	3MHz	QPSK	20415	3RB#3	0	19.09	16.61	38.45	PASS
Band5	3MHz	QPSK	20415	6RB#0	0	18.22	15.74	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	0	19.31	16.83	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#5	0	19.23	16.75	38.45	PASS
Band5	3MHz	QPSK	20525	3RB#0	0	19.28	16.8	38.45	PASS
Band5	3MHz	QPSK	20525	3RB#3	0	19.11	16.63	38.45	PASS
Band5	3MHz	QPSK	20525	6RB#0	0	18.25	15.77	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	1	19.23	16.75	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#5	1	19.19	16.71	38.45	PASS
Band5	3MHz	QPSK	20635	3RB#0	1	19.29	16.81	38.45	PASS
Band5	3MHz	QPSK	20635	3RB#3	1	19.12	16.64	38.45	PASS
Band5	3MHz	QPSK	20635	6RB#0	1	18.2	15.72	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	0	19.26	16.78	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#5	0	19.08	16.6	38.45	PASS
Band5	3MHz	16QAM	20415	3RB#0	0	19.03	16.55	38.45	PASS
Band5	3MHz	16QAM	20415	3RB#3	0	18.85	16.37	38.45	PASS
Band5	3MHz	16QAM	20415	6RB#0	0	18.9	16.42	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	0	19.2	16.72	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#5	0	19.11	16.63	38.45	PASS
Band5	3MHz	16QAM	20525	3RB#0	0	19.1	16.62	38.45	PASS
Band5	3MHz	16QAM	20525	3RB#3	0	18.94	16.46	38.45	PASS
Band5	3MHz	16QAM	20525	6RB#0	0	19.04	16.56	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	1	19.2	16.72	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#5	1	19.05	16.57	38.45	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	3MHz	16QAM	20635	3RB#0	1	19.06	16.58	38.45	PASS
Band5	3MHz	16QAM	20635	3RB#3	1	18.87	16.39	38.45	PASS
Band5	3MHz	16QAM	20635	6RB#0	1	18.89	16.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	0	19.26	16.78	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#5	0	19.21	16.73	38.45	PASS
Band5	5MHz	QPSK	20425	3RB#0	0	19.17	16.69	38.45	PASS
Band5	5MHz	QPSK	20425	3RB#3	0	19.08	16.6	38.45	PASS
Band5	5MHz	QPSK	20425	6RB#0	0	18.19	15.71	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	0	19.35	16.87	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#5	0	19.3	16.82	38.45	PASS
Band5	5MHz	QPSK	20525	3RB#0	0	19.24	16.76	38.45	PASS
Band5	5MHz	QPSK	20525	3RB#3	0	19.16	16.68	38.45	PASS
Band5	5MHz	QPSK	20525	6RB#0	0	18.32	15.84	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	3	19.27	16.79	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#5	3	19.17	16.69	38.45	PASS
Band5	5MHz	QPSK	20625	3RB#0	3	19.22	16.74	38.45	PASS
Band5	5MHz	QPSK	20625	3RB#3	3	19.13	16.65	38.45	PASS
Band5	5MHz	QPSK	20625	6RB#0	3	18.22	15.74	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	0	19.27	16.79	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#5	0	19.08	16.6	38.45	PASS
Band5	5MHz	16QAM	20425	3RB#0	0	18.93	16.45	38.45	PASS
Band5	5MHz	16QAM	20425	3RB#3	0	18.93	16.45	38.45	PASS
Band5	5MHz	16QAM	20425	6RB#0	0	18.85	16.37	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	0	19.25	16.77	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#5	0	19.14	16.66	38.45	PASS
Band5	5MHz	16QAM	20525	3RB#0	0	19.11	16.63	38.45	PASS
Band5	5MHz	16QAM	20525	3RB#3	0	18.97	16.49	38.45	PASS
Band5	5MHz	16QAM	20525	6RB#0	0	19.03	16.55	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	3	19.3	16.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#5	3	19.07	16.59	38.45	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	5MHz	16QAM	20625	3RB#0	3	19.02	16.54	38.45	PASS
Band5	5MHz	16QAM	20625	3RB#3	3	18.87	16.39	38.45	PASS
Band5	5MHz	16QAM	20625	6RB#0	3	18.94	16.46	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	0	19.38	16.9	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#5	0	19.33	16.85	38.45	PASS
Band5	10MHz	QPSK	20450	3RB#0	0	19.33	16.85	38.45	PASS
Band5	10MHz	QPSK	20450	3RB#3	0	19.17	16.69	38.45	PASS
Band5	10MHz	QPSK	20450	6RB#0	0	18.33	15.85	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	0	19.46	16.98	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#5	0	19.38	16.9	38.45	PASS
Band5	10MHz	QPSK	20525	3RB#0	0	19.4	16.92	38.45	PASS
Band5	10MHz	QPSK	20525	3RB#3	0	19.24	16.76	38.45	PASS
Band5	10MHz	QPSK	20525	6RB#0	0	18.39	15.91	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	7	19.37	16.89	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#5	7	19.29	16.81	38.45	PASS
Band5	10MHz	QPSK	20600	3RB#0	7	19.35	16.87	38.45	PASS
Band5	10MHz	QPSK	20600	3RB#3	7	19.19	16.71	38.45	PASS
Band5	10MHz	QPSK	20600	6RB#0	7	18.32	15.84	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	0	19.33	16.85	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#5	0	19.17	16.69	38.45	PASS
Band5	10MHz	16QAM	20450	3RB#0	0	19.09	16.61	38.45	PASS
Band5	10MHz	16QAM	20450	3RB#3	0	18.99	16.51	38.45	PASS
Band5	10MHz	16QAM	20450	6RB#0	0	19	16.52	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	0	19.4	16.92	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#5	0	19.24	16.76	38.45	PASS
Band5	10MHz	16QAM	20525	3RB#0	0	19.16	16.68	38.45	PASS
Band5	10MHz	16QAM	20525	3RB#3	0	19.05	16.57	38.45	PASS
Band5	10MHz	16QAM	20525	6RB#0	0	19.1	16.62	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	7	19.35	16.87	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#5	7	19.17	16.69	38.45	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	10MHz	16QAM	20600	3RB#0	7	19.11	16.63	38.45	PASS
Band5	10MHz	16QAM	20600	3RB#3	7	18.98	16.5	38.45	PASS
Band5	10MHz	16QAM	20600	6RB#0	7	19.01	16.53	38.45	PASS

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Field Strength of Spurious Radiation

Test Band = LTE Cat-M1 Band 5

Test Channel = LCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1665.7778	67.31	-46.62	24.60	-49.97	-13.00	36.97	Horizontal
2	2474.2222	56.14	-45.03	27.34	-56.81	-13.00	43.81	Horizontal
3	3487.1111	58.31	-43.34	29.60	-50.70	-13.00	37.70	Horizontal
4	4851.5556	46.64	-41.48	32.87	-57.23	-13.00	44.23	Horizontal
5	6221.7778	40.28	-39.74	35.24	-59.48	-13.00	46.48	Horizontal
6	7279.5556	48.21	-37.86	36.34	-48.57	-13.00	35.57	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1665.7778	69.23	-46.62	24.60	-48.05	-13.00	35.05	Vertical
2	2400.4444	66.80	-45.27	27.18	-46.55	-13.00	33.55	Vertical
3	3487.1111	56.00	-43.34	29.60	-53.01	-13.00	40.01	Vertical
4	4728.4444	41.10	-41.48	32.60	-63.04	-13.00	50.04	Vertical
5	6521.7778	39.66	-39.03	35.81	-58.82	-13.00	45.82	Vertical
6	7970.6667	40.13	-36.88	37.07	-54.94	-13.00	41.94	Vertical

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Test Band = LTE Cat-M1 Band 5

Test Channel = MCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.4444	66.39	-46.62	24.60	-50.89	-13.00	37.89	Horizontal
2	2521.3333	49.47	-44.95	27.49	-63.25	-13.00	50.25	Horizontal
3	3517.3333	60.17	-43.31	29.66	-48.74	-13.00	35.74	Horizontal
4	4804.4444	47.66	-41.49	32.77	-56.32	-13.00	43.32	Horizontal
5	6060.8889	39.89	-40.06	34.92	-60.51	-13.00	47.51	Horizontal
6	7206.6667	50.95	-37.96	36.25	-46.02	-13.00	33.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3108	53.40	-43.99	29.52	-56.33	-13.00	43.33	Vertical
2	3517.3333	56.42	-43.31	29.66	-52.49	-13.00	39.49	Vertical
3	4959.5556	46.31	-41.35	33.11	-57.19	-13.00	44.19	Vertical
4	7278.6667	48.43	-37.86	36.33	-48.36	-13.00	35.36	Vertical
5	1664.18	71.40	-46.62	24.60	-45.88	-13.00	32.88	Vertical
6	2496.27	54.85	-44.96	27.39	-57.98	-13.00	44.98	Vertical

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Test Band = LTE Cat-M1 Band 5

Test Channel = HCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2438.2222	43.57	-45.15	27.26	-69.57	-13.00	53.16	Horizontal
2	3525.7778	54.98	-43.30	29.69	-53.89	-13.00	40.89	Horizontal
3	3873.7778	48.20	-42.92	30.87	-59.11	-13.00	46.11	Horizontal
4	4803.5556	47.66	-41.49	32.77	-56.32	-13.00	43.32	Horizontal
5	5827.5556	40.23	-40.16	34.21	-60.98	-13.00	47.98	Horizontal
6	6992.4444	39.91	-38.32	36.00	-57.68	-13.00	44.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2480	46.34	-45.01	27.36	-66.58	-13.00	53.58	Vertical
2	2980.4444	49.38	-44.00	29.42	-60.47	-13.00	47.47	Vertical
3	3476.4444	56.81	-43.36	29.60	-52.22	-13.00	39.22	Vertical
4	3660	53.57	-43.20	30.14	-54.74	-13.00	41.74	Vertical
5	3794.6667	47.80	-43.02	30.60	-59.88	-13.00	46.88	Vertical
6	6505.7778	39.53	-39.05	35.80	-58.97	-13.00	45.97	Vertical

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