



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)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	0	19.55	20.58	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	0	19.6	20.63	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	0	18.68	19.71	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	0	18.68	19.71	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	0	17.62	18.65	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	0	19.74	20.77	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	0	19.71	20.74	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	0	18.76	19.79	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	0	18.74	19.77	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	0	17.71	18.74	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	0	19.69	20.72	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	0	19.64	20.67	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	0	18.67	19.7	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	0	18.66	19.69	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	0	17.65	18.68	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	0	18.88	19.91	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	0	18.63	19.66	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	0	18.15	19.18	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	0	18.02	19.05	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	0	17.89	18.92	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	0	18.97	20	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	0	18.69	19.72	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	0	18.21	19.24	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	0	18.16	19.19	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	0	17.94	18.97	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	0	18.91	19.94	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	0	18.58	19.61	33	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	16QAM	19193	3RB#0	0	18.11	19.14	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	0	18.07	19.1	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	0	17.87	18.9	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	0	19.59	20.62	33	PASS
Band2	3MHz	QPSK	18615	1RB#5	0	19.5	20.53	33	PASS
Band2	3MHz	QPSK	18615	3RB#0	0	19.3	20.33	33	PASS
Band2	3MHz	QPSK	18615	3RB#3	0	19.57	20.6	33	PASS
Band2	3MHz	QPSK	18615	6RB#0	0	19.29	20.32	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	0	19.69	20.72	33	PASS
Band2	3MHz	QPSK	18900	1RB#5	0	19.6	20.63	33	PASS
Band2	3MHz	QPSK	18900	3RB#0	0	19.64	20.67	33	PASS
Band2	3MHz	QPSK	18900	3RB#3	0	19.63	20.66	33	PASS
Band2	3MHz	QPSK	18900	6RB#0	0	18.68	19.71	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	1	19.67	20.7	33	PASS
Band2	3MHz	QPSK	19185	1RB#5	1	19.51	20.54	33	PASS
Band2	3MHz	QPSK	19185	3RB#0	1	19.26	20.29	33	PASS
Band2	3MHz	QPSK	19185	3RB#3	1	19.43	20.46	33	PASS
Band2	3MHz	QPSK	19185	6RB#0	1	19.12	20.15	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	0	19.24	20.27	33	PASS
Band2	3MHz	16QAM	18615	1RB#5	0	19.42	20.45	33	PASS
Band2	3MHz	16QAM	18615	3RB#0	0	19.16	20.19	33	PASS
Band2	3MHz	16QAM	18615	3RB#3	0	19.21	20.24	33	PASS
Band2	3MHz	16QAM	18615	6RB#0	0	19.07	20.1	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	0	19.67	20.7	33	PASS
Band2	3MHz	16QAM	18900	1RB#5	0	19.69	20.72	33	PASS
Band2	3MHz	16QAM	18900	3RB#0	0	19.67	20.7	33	PASS
Band2	3MHz	16QAM	18900	3RB#3	0	19.64	20.67	33	PASS
Band2	3MHz	16QAM	18900	6RB#0	0	19.66	20.69	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	1	19.38	20.41	33	PASS
Band2	3MHz	16QAM	19185	1RB#5	1	19.32	20.35	33	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	3MHz	16QAM	19185	3RB#0	1	19.49	20.52	33	PASS
Band2	3MHz	16QAM	19185	3RB#3	1	19.19	20.22	33	PASS
Band2	3MHz	16QAM	19185	6RB#0	1	19.26	20.29	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	0	19.66	20.69	33	PASS
Band2	5MHz	QPSK	18625	1RB#5	0	19.57	20.6	33	PASS
Band2	5MHz	QPSK	18625	3RB#0	0	19.38	20.41	33	PASS
Band2	5MHz	QPSK	18625	3RB#3	0	19.64	20.67	33	PASS
Band2	5MHz	QPSK	18625	6RB#0	0	19.38	20.41	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	0	19.79	20.82	33	PASS
Band2	5MHz	QPSK	18900	1RB#5	0	19.69	20.72	33	PASS
Band2	5MHz	QPSK	18900	3RB#0	0	19.72	20.75	33	PASS
Band2	5MHz	QPSK	18900	3RB#3	0	19.68	20.71	33	PASS
Band2	5MHz	QPSK	18900	6RB#0	0	18.77	19.8	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	3	19.74	20.77	33	PASS
Band2	5MHz	QPSK	19175	1RB#5	3	19.6	20.63	33	PASS
Band2	5MHz	QPSK	19175	3RB#0	3	19.35	20.38	33	PASS
Band2	5MHz	QPSK	19175	3RB#3	3	19.5	20.53	33	PASS
Band2	5MHz	QPSK	19175	6RB#0	3	19.2	20.23	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	0	19.32	20.35	33	PASS
Band2	5MHz	16QAM	18625	1RB#5	0	19.49	20.52	33	PASS
Band2	5MHz	16QAM	18625	3RB#0	0	19.13	20.16	33	PASS
Band2	5MHz	16QAM	18625	3RB#3	0	19.29	20.32	33	PASS
Band2	5MHz	16QAM	18625	6RB#0	0	19.16	20.19	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	0	19.75	20.78	33	PASS
Band2	5MHz	16QAM	18900	1RB#5	0	19.78	20.81	33	PASS
Band2	5MHz	16QAM	18900	3RB#0	0	19.74	20.77	33	PASS
Band2	5MHz	16QAM	18900	3RB#3	0	19.7	20.73	33	PASS
Band2	5MHz	16QAM	18900	6RB#0	0	19.74	20.77	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	3	19.43	20.46	33	PASS
Band2	5MHz	16QAM	19175	1RB#5	3	19.42	20.45	33	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	5MHz	16QAM	19175	3RB#0	3	19.1	20.13	33	PASS
Band2	5MHz	16QAM	19175	3RB#3	3	19.29	20.32	33	PASS
Band2	5MHz	16QAM	19175	6RB#0	3	19.35	20.38	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	0	19.46	20.49	33	PASS
Band2	10MHz	QPSK	18650	1RB#5	0	19.39	20.42	33	PASS
Band2	10MHz	QPSK	18650	3RB#0	0	19.48	20.51	33	PASS
Band2	10MHz	QPSK	18650	3RB#3	0	19.43	20.46	33	PASS
Band2	10MHz	QPSK	18650	6RB#0	0	19.31	20.34	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	0	19.76	20.79	33	PASS
Band2	10MHz	QPSK	18900	1RB#5	0	19.48	20.51	33	PASS
Band2	10MHz	QPSK	18900	3RB#0	0	19.49	20.52	33	PASS
Band2	10MHz	QPSK	18900	3RB#3	0	19.53	20.56	33	PASS
Band2	10MHz	QPSK	18900	6RB#0	0	19.5	20.53	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	7	19.63	20.66	33	PASS
Band2	10MHz	QPSK	19150	1RB#5	7	19.3	20.33	33	PASS
Band2	10MHz	QPSK	19150	3RB#0	7	19.52	20.55	33	PASS
Band2	10MHz	QPSK	19150	3RB#3	7	19.15	20.18	33	PASS
Band2	10MHz	QPSK	19150	6RB#0	7	19.33	20.36	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	0	19.29	20.32	33	PASS
Band2	10MHz	16QAM	18650	1RB#5	0	19.11	20.14	33	PASS
Band2	10MHz	16QAM	18650	3RB#0	0	19.24	20.27	33	PASS
Band2	10MHz	16QAM	18650	3RB#3	0	19.07	20.1	33	PASS
Band2	10MHz	16QAM	18650	6RB#0	0	19.31	20.34	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	0	19.5	20.53	33	PASS
Band2	10MHz	16QAM	18900	1RB#5	0	19.22	20.25	33	PASS
Band2	10MHz	16QAM	18900	3RB#0	0	19.49	20.52	33	PASS
Band2	10MHz	16QAM	18900	3RB#3	0	19.4	20.43	33	PASS
Band2	10MHz	16QAM	18900	6RB#0	0	19.35	20.38	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	7	19.29	20.32	33	PASS
Band2	10MHz	16QAM	19150	1RB#5	7	19.06	20.09	33	PASS

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Band2	10MHz	16QAM	19150	3RB#0	7	19.22	20.25	33	PASS
Band2	10MHz	16QAM	19150	3RB#3	7	19.44	20.47	33	PASS
Band2	10MHz	16QAM	19150	6RB#0	7	19.28	20.31	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	0	19.56	20.59	33	PASS
Band2	15MHz	QPSK	18675	1RB#5	0	19.35	20.38	33	PASS
Band2	15MHz	QPSK	18675	3RB#0	0	19.5	20.53	33	PASS
Band2	15MHz	QPSK	18675	3RB#3	0	19.25	20.28	33	PASS
Band2	15MHz	QPSK	18675	6RB#0	0	19.44	20.47	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	0	19.78	20.81	33	PASS
Band2	15MHz	QPSK	18900	1RB#5	0	19.52	20.55	33	PASS
Band2	15MHz	QPSK	18900	3RB#0	0	19.69	20.72	33	PASS
Band2	15MHz	QPSK	18900	3RB#3	0	19.58	20.61	33	PASS
Band2	15MHz	QPSK	18900	6RB#0	0	19.48	20.51	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	11	19.55	20.58	33	PASS
Band2	15MHz	QPSK	19125	1RB#5	11	19.3	20.33	33	PASS
Band2	15MHz	QPSK	19125	3RB#0	11	19.3	20.33	33	PASS
Band2	15MHz	QPSK	19125	3RB#3	11	19.28	20.31	33	PASS
Band2	15MHz	QPSK	19125	6RB#0	11	19.44	20.47	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	0	19.34	20.37	33	PASS
Band2	15MHz	16QAM	18675	1RB#5	0	19.09	20.12	33	PASS
Band2	15MHz	16QAM	18675	3RB#0	0	19.31	20.34	33	PASS
Band2	15MHz	16QAM	18675	3RB#3	0	19.17	20.2	33	PASS
Band2	15MHz	16QAM	18675	6RB#0	0	19.4	20.43	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	0	19.5	20.53	33	PASS
Band2	15MHz	16QAM	18900	1RB#5	0	19.29	20.32	33	PASS
Band2	15MHz	16QAM	18900	3RB#0	0	19.53	20.56	33	PASS
Band2	15MHz	16QAM	18900	3RB#3	0	19.32	20.35	33	PASS
Band2	15MHz	16QAM	18900	6RB#0	0	19.38	20.41	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	11	19.44	20.47	33	PASS
Band2	15MHz	16QAM	19125	1RB#5	11	19.07	20.1	33	PASS

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Band2	15MHz	16QAM	19125	3RB#0	11	19.3	20.33	33	PASS
Band2	15MHz	16QAM	19125	3RB#3	11	19.36	20.39	33	PASS
Band2	15MHz	16QAM	19125	6RB#0	11	19.24	20.27	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	0	19.72	20.75	33	PASS
Band2	20MHz	QPSK	18700	1RB#5	0	19.52	20.55	33	PASS
Band2	20MHz	QPSK	18700	3RB#0	0	19.73	20.76	33	PASS
Band2	20MHz	QPSK	18700	3RB#3	0	19.52	20.55	33	PASS
Band2	20MHz	QPSK	18700	6RB#0	0	19.49	20.52	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	0	19.82	20.85	33	PASS
Band2	20MHz	QPSK	18900	1RB#5	0	19.6	20.63	33	PASS
Band2	20MHz	QPSK	18900	3RB#0	0	19.78	20.81	33	PASS
Band2	20MHz	QPSK	18900	3RB#3	0	19.66	20.69	33	PASS
Band2	20MHz	QPSK	18900	6RB#0	0	19.7	20.73	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	15	19.71	20.74	33	PASS
Band2	20MHz	QPSK	19100	1RB#5	15	19.46	20.49	33	PASS
Band2	20MHz	QPSK	19100	3RB#0	15	19.58	20.61	33	PASS
Band2	20MHz	QPSK	19100	3RB#3	15	19.39	20.42	33	PASS
Band2	20MHz	QPSK	19100	6RB#0	15	19.56	20.59	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	0	19.58	20.61	33	PASS
Band2	20MHz	16QAM	18700	1RB#5	0	19.29	20.32	33	PASS
Band2	20MHz	16QAM	18700	3RB#0	0	19.36	20.39	33	PASS
Band2	20MHz	16QAM	18700	3RB#3	0	19.29	20.32	33	PASS
Band2	20MHz	16QAM	18700	6RB#0	0	19.48	20.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	0	19.67	20.7	33	PASS
Band2	20MHz	16QAM	18900	1RB#5	0	19.48	20.51	33	PASS
Band2	20MHz	16QAM	18900	3RB#0	0	19.62	20.65	33	PASS
Band2	20MHz	16QAM	18900	3RB#3	0	19.56	20.59	33	PASS
Band2	20MHz	16QAM	18900	6RB#0	0	19.57	20.6	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	15	19.5	20.53	33	PASS
Band2	20MHz	16QAM	19100	1RB#5	15	19.3	20.33	33	PASS

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Band	Bandwidth	Modulation	Channel	RB Configuration	Index	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	20MHz	16QAM	19100	3RB#0	15	19.38	20.41	33	PASS
Band2	20MHz	16QAM	19100	3RB#3	15	19.49	20.52	33	PASS
Band2	20MHz	16QAM	19100	6RB#0	15	19.48	20.51	33	PASS

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Field Strength of Spurious Radiation

Test Band = LTE Cat-M1 Band 2

Test Channel = LCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.75	54.93	-43.01	30.29	-53.05	-13.00	40.05	Horizontal
2	4959.75	40.90	-41.36	33.11	-62.61	-13.00	49.61	Horizontal
3	7277.25	40.58	-37.52	36.33	-55.87	-13.00	42.87	Horizontal
4	9234.75	34.62	-34.34	37.67	-57.31	-13.00	44.31	Horizontal
5	11009.25	31.61	-30.14	38.40	-55.39	-13.00	42.39	Horizontal
6	13793.25	31.96	-29.33	40.16	-52.47	-13.00	39.47	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.75	53.18	-43.01	30.29	-54.80	-13.00	41.80	Vertical
2	5193.75	39.67	-40.84	33.16	-63.27	-13.00	50.27	Vertical
3	7608	37.43	-37.69	36.71	-58.81	-13.00	45.81	Vertical
4	9226.5	34.42	-34.36	37.67	-57.53	-13.00	44.53	Vertical
5	13480.5	31.02	-28.71	39.94	-53.01	-13.00	40.01	Vertical
6	17019.75	28.55	-24.26	38.95	-52.02	-13.00	39.02	Vertical

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Test Band = LTE Cat-M1 Band 2

Test Channel = MCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3776.25	58.63	-42.93	30.54	-49.02	-13.00	36.02	Horizontal
2	6115.5	38.79	-39.87	35.03	-61.31	-13.00	48.31	Horizontal
3	8151.75	36.68	-36.31	37.18	-57.72	-13.00	44.72	Horizontal
4	10729.5	32.29	-30.59	38.26	-55.30	-13.00	42.30	Horizontal
5	14791.5	29.58	-27.35	40.14	-52.88	-13.00	39.88	Horizontal
6	17492.25	27.76	-24.45	40.08	-51.86	-13.00	38.86	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.5	55.69	-42.96	30.42	-52.11	-13.00	39.11	Vertical
2	5177.25	39.90	-40.92	33.16	-63.11	-13.00	50.11	Vertical
3	7790.25	36.82	-36.83	36.89	-58.38	-13.00	45.38	Vertical
4	10734	31.67	-30.60	38.27	-55.92	-13.00	42.92	Vertical
5	13815	31.34	-29.34	40.17	-53.09	-13.00	40.09	Vertical
6	17816.25	27.75	-23.80	40.86	-50.45	-13.00	37.45	Vertical

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Test Band = LTE Cat-M1 Band 2

Test Channel = HCH

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.25	56.92	-42.92	30.56	-50.70	-13.00	37.70	Horizontal
2	5920.5	39.33	-40.20	34.53	-61.60	-13.00	48.60	Horizontal
3	8361	36.19	-35.74	37.28	-57.53	-13.00	44.53	Horizontal
4	9676.5	33.74	-33.13	37.80	-56.85	-13.00	43.85	Horizontal
5	13017.75	30.89	-29.48	39.61	-54.24	-13.00	41.24	Horizontal
6	17799.75	27.25	-23.57	40.82	-50.76	-13.00	37.76	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.25	54.04	-42.92	30.56	-53.58	-13.00	40.58	Vertical
2	6361.5	38.87	-39.31	35.52	-60.18	-13.00	47.18	Vertical
3	9608.25	37.93	-33.45	37.78	-53.00	-13.00	40.00	Vertical
4	12988.5	31.17	-29.55	39.59	-54.06	-13.00	41.06	Vertical
5	14793.75	29.46	-27.33	40.14	-52.99	-13.00	39.99	Vertical
6	17737.5	27.92	-24.03	40.67	-50.70	-13.00	37.70	Vertical

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