

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.95	26.55	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	23	26.6	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.94	26.54	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.98	25.58	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.87	26.47	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.75	26.35	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.88	26.48	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.92	25.52	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.66	26.26	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.63	26.23	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.59	26.19	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.67	25.27	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.9	25.5	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.96	25.56	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.01	25.61	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.93	24.53	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.85	25.45	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.83	25.43	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.89	25.49	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.95	24.55	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.74	25.34	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.69	25.29	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.73	25.33	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.77	24.37	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.95	26.55	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.93	26.53	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.95	26.55	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.06	25.66	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.84	26.44	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.84	26.44	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.84	26.44	33	PASS



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Band41	10MHz	QPSK	40620	50RB#0	21.96	25.56	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.69	26.29	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.64	26.24	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.69	26.29	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.74	25.34	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	22	25.6	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.99	25.59	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.05	25.65	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.07	24.67	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.86	25.46	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.86	25.46	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.88	25.48	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.95	24.55	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.66	25.26	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.77	25.37	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.72	25.32	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.76	24.36	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	23	26.6	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.94	26.54	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.97	26.57	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.98	25.58	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.85	26.45	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.79	26.39	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.84	26.44	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.92	25.52	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.61	26.21	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.66	26.26	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.65	26.25	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.71	25.31	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.97	25.57	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.02	25.62	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.02	25.62	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.07	24.67	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.01	25.61	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.97	25.57	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.91	25.51	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.91	24.51	33	PASS



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Band41	15MHz	16QAM	41515	1RB#0	21.64	25.24	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.64	25.24	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.68	25.28	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.81	24.41	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.93	26.53	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.95	26.55	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.96	26.56	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.08	25.68	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.83	26.43	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.81	26.41	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.73	26.33	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.93	25.53	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.81	26.41	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.7	26.3	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.67	26.27	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.82	25.42	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.08	25.68	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	22	25.6	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.97	25.57	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.09	24.69	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.97	25.57	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.87	25.47	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.87	25.47	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.87	24.47	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.72	25.32	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.76	25.36	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.61	25.21	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.83	24.43	33	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	44.00	-48.01	31.49	-67.78	-25.00	42.78	Horizontal
2	7491.27	41.68	-46.17	36.78	-62.97	-25.00	37.97	Horizontal
3	9988.36	38.72	-41.75	38.49	-59.80	-25.00	34.80	Horizontal
4	12485.45	35.99	-39.84	38.91	-60.20	-25.00	35.20	Horizontal
5	14982.54	34.92	-37.89	40.11	-58.12	-25.00	33.12	Horizontal
6	17479.63	33.24	-36.93	41.97	-56.98	-25.00	31.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.80	-48.01	31.49	-67.98	-25.00	42.98	Vertical
2	7491.27	41.81	-46.17	36.78	-62.84	-25.00	37.84	Vertical
3	9988.36	38.58	-41.75	38.49	-59.94	-25.00	34.94	Vertical
4	12485.45	35.79	-39.84	38.91	-60.40	-25.00	35.40	Vertical
5	14982.54	34.45	-37.89	40.11	-58.59	-25.00	33.59	Vertical
6	17479.63	34.19	-36.93	41.97	-56.03	-25.00	31.03	Vertical



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Test Band = LTE Band 41_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17903.5	36.30	-36.45	44.68	-50.72	-25.00	25.72	Horizontal
2	5168.18	44.65	-47.87	31.90	-66.57	-25.00	41.57	Horizontal
3	7752.27	42.51	-45.05	36.50	-61.31	-25.00	36.31	Horizontal
4	10336.36	37.68	-41.18	38.80	-59.96	-25.00	34.96	Horizontal
5	12920.45	36.32	-39.42	38.65	-59.71	-25.00	34.71	Horizontal
6	15504.54	34.79	-38.05	39.14	-59.38	-25.00	34.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17978	36.05	-36.56	45.16	-50.62	-25.00	25.62	Vertical
2	5168.18	43.60	-47.87	31.90	-67.62	-25.00	42.62	Vertical
3	7752.27	41.53	-45.05	36.50	-62.29	-25.00	37.29	Vertical
4	10336.36	38.07	-41.18	38.80	-59.57	-25.00	34.57	Vertical
5	12920.45	36.94	-39.42	38.65	-59.09	-25.00	34.09	Vertical
6	15504.54	35.39	-38.05	39.14	-58.78	-25.00	33.78	Vertical



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**Test Band = LTE Band 41_ TM1
Test Channel = High Channel**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17962	36.02	-36.54	45.06	-50.72	-25.00	25.72	Horizontal
2	5255.18	44.05	-47.83	32.11	-66.93	-25.00	41.93	Horizontal
3	7882.77	41.22	-45.36	36.34	-63.06	-25.00	38.06	Horizontal
4	10510.36	37.66	-40.71	38.96	-59.35	-25.00	34.35	Horizontal
5	13137.95	36.27	-38.51	38.92	-58.59	-25.00	33.59	Horizontal
6	15765.54	34.67	-38.22	38.64	-60.17	-25.00	35.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17892	36.49	-36.52	44.61	-50.68	-25.00	25.68	Vertical
2	5255.18	43.91	-47.83	32.11	-67.07	-25.00	42.07	Vertical
3	7882.77	42.50	-45.36	36.34	-61.78	-25.00	36.78	Vertical
4	10510.36	37.47	-40.71	38.96	-59.54	-25.00	34.54	Vertical
5	13137.95	36.33	-38.51	38.92	-58.53	-25.00	33.53	Vertical
6	15765.54	34.95	-38.22	38.64	-59.89	-25.00	34.89	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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