

# Appendix B

## E-UTRA Band 14



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.69	23.54	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.58	23.43	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.79	23.64	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#0	22.75	22.60	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#6	22.88	22.73	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#13	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.87	22.72	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.80	23.65	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.69	23.54	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.72	23.57	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#0	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#6	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#13	22.84	22.69	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.86	22.71	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.74	23.59	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.76	23.61	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.50	23.35	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#6	22.89	22.74	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#0	22.92	22.77	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#13	22.82	22.67	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.87	22.72	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.61	22.46	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.50	22.35	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.94	22.79	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#0	21.69	21.54	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#6	21.74	21.59	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#13	21.81	21.66	34.77	PASS

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Band14	5MHz	16QAM	23305	25RB#0	21.68	21.53	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.91	22.76	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.51	22.36	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.60	22.45	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#0	21.73	21.58	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#13	21.72	21.57	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#6	21.66	21.51	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.82	21.67	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.65	22.50	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.55	22.40	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.76	22.61	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#13	21.66	21.51	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#6	21.71	21.56	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#0	21.61	21.46	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.81	21.66	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.58	23.43	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.57	23.42	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.83	23.68	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#25	22.90	22.75	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#0	22.92	22.77	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#12	22.87	22.72	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.87	22.72	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.96	22.81	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.98	22.83	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.57	22.42	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#12	21.90	21.75	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#0	21.92	21.77	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#25	21.88	21.73	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.78	21.63	34.77	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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## 2. Field Strength of Spurious Radiation

### 2.1. Test Mode =LTE/TM1 10MHz

#### 2.1.1. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.886667	-75.17	-13.00	62.17	Vertical
137.893333	-74.10	-13.00	61.10	Vertical
263.846667	-59.83	-13.00	46.83	Vertical
1577.000000	-47.08	-40.00	7.08	Vertical
2365.500000	-55.02	-13.00	42.02	Vertical
4740.375000	-66.22	-13.00	53.22	Vertical
62.620000	-75.55	-13.00	62.55	Horizontal
198.280000	-59.82	-13.00	46.82	Horizontal
350.273333	-64.54	-13.00	51.54	Horizontal
1577.000000	-49.53	-40.00	9.53	Horizontal
2365.500000	-54.89	-13.00	41.89	Horizontal
4717.950000	-65.83	-13.00	52.83	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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The End

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