

# Appendix B

## E-UTRA Band 13



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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
Band13	5MHz	QPSK	23205	1RB#0	23.64	23.49	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.60	23.45	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.50	23.35	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.90	22.75	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.97	22.82	34.77	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.94	22.79	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.84	22.69	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.84	23.69	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.55	23.40	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.69	23.54	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.93	22.78	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.81	22.66	34.77	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.82	22.67	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.87	22.72	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.76	23.61	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.58	23.43	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.78	23.63	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.79	22.64	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.95	22.80	34.77	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.84	22.69	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.90	22.75	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.37	22.22	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.94	22.79	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.58	22.43	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.83	21.68	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.88	21.73	34.77	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.88	21.73	34.77	PASS

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Band13	5MHz	16QAM	23205	25RB#0	21.96	21.81	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.51	22.36	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.51	22.36	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.50	22.35	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.63	21.48	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.78	21.63	34.77	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.86	21.71	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.82	21.67	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.76	22.61	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.62	22.47	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.43	22.28	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.82	21.67	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.76	21.61	34.77	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.75	21.60	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.93	21.78	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.86	23.71	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.51	23.36	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.83	23.68	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.87	22.72	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.83	22.68	34.77	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.89	22.74	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.94	22.79	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.88	22.73	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.02	22.87	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.87	22.72	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.02	21.87	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.88	21.73	34.77	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.84	21.69	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.77	21.62	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
79.746667	-71.87	-13.00	58.87	Vertical
263.566667	-61.13	-13.00	48.13	Vertical
561.558333	-70.79	-13.00	57.79	Vertical
1555.000000	-48.99	-13.00	35.99	Vertical
4588.762500	-66.90	-13.00	53.90	Vertical
62.620000	-75.13	-13.00	62.13	Horizontal
197.860000	-60.65	-13.00	47.65	Horizontal
354.006667	-65.55	-13.00	52.55	Horizontal
1555.000000	-51.22	-13.00	38.22	Horizontal
2332.500000	-56.83	-13.00	43.83	Horizontal
4644.337500	-65.93	-13.00	52.93	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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