



Appendix B

E-UTRA Band 5



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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
Band5	1.4MHz	QPSK	20407	1RB#0	23.47	23.32	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.34	23.19	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.45	23.30	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.71	23.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.69	23.54	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.66	23.51	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.75	22.60	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.43	23.28	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.35	23.20	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.30	23.15	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.74	23.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.74	23.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.65	23.50	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.74	22.59	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.47	23.32	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.44	23.29	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.40	23.25	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.70	23.55	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.80	23.65	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.71	23.56	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.65	22.50	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.31	22.16	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.31	22.16	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.55	22.40	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.82	22.67	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.42	22.27	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.38	22.23	38.45	PASS



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Band5	1.4MHz	16QAM	20407	6RB#0	21.70	21.55	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.09	21.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.65	22.50	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.42	22.27	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.63	22.48	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.66	22.51	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.61	22.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.58	21.43	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.40	22.25	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.62	22.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.30	22.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.65	22.50	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.82	22.67	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.81	22.66	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.79	21.64	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.47	23.32	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.34	23.19	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.45	23.30	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.71	22.56	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.69	22.54	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.66	22.51	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.75	22.60	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.43	23.28	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.35	23.20	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.30	23.15	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.74	22.59	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.74	22.59	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.65	22.50	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.74	22.59	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.47	23.32	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	23.29	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.40	23.25	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.70	22.55	38.45	PASS



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Band5	3MHz	QPSK	20635	8RB#0	22.80	22.65	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.71	22.56	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.65	22.50	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.31	22.16	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.31	22.16	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.55	22.40	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.82	21.67	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.42	21.27	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.38	21.23	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.70	21.55	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.08	21.93	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.65	22.50	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.42	22.27	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.63	21.48	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.66	21.51	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.61	21.46	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.58	21.43	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.40	22.25	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.62	22.47	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.30	22.15	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.65	21.50	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.82	21.67	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.81	21.66	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.79	21.64	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.47	23.32	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.34	23.19	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.45	23.30	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.71	22.56	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.69	22.54	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.66	22.51	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.75	22.60	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.43	23.28	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.35	23.20	38.45	PASS



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Band5	5MHz	QPSK	20525	1RB#24	23.30	23.15	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.74	22.59	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.74	22.59	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.65	22.50	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.74	22.59	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.47	23.32	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.44	23.29	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.40	23.25	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.70	22.55	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.80	22.65	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.71	22.56	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.65	22.50	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.31	22.16	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.31	22.16	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.55	22.40	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.82	21.67	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.42	21.27	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.38	21.23	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.70	21.55	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.11	21.96	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.65	22.50	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.42	22.27	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.63	21.48	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.66	21.51	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.61	21.46	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.58	21.43	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.40	22.25	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.62	22.47	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.30	22.15	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.65	21.50	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.82	21.67	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.81	21.66	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.79	21.64	38.45	PASS



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Band5	10MHz	QPSK	20450	1RB#0	23.67	23.52	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.61	23.46	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.53	23.38	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.78	22.63	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.79	22.64	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.73	22.58	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.72	22.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.33	23.18	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.73	23.58	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.39	23.24	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.84	22.69	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.80	22.65	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.72	22.57	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.67	22.52	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.57	23.42	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.41	23.26	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.52	23.37	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.74	22.59	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.73	22.58	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.69	22.54	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.70	22.55	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.76	22.61	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.77	22.62	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.06	21.91	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.83	21.68	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.67	21.52	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.76	21.61	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.77	21.62	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.68	22.53	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.81	22.66	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.18	22.03	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.92	21.77	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.77	21.62	38.45	PASS



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Band5	10MHz	16QAM	20525	25RB#25	21.53	21.38	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.52	21.37	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.33	22.18	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.69	22.54	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.19	22.04	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.76	21.61	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.71	21.56	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.76	21.61	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.71	21.56	38.45	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]





2. Field Strength of Spurious Radiation

2.1. Test Mode =LTE/TM1 10MHz

2.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
67.520000	-76.20	-13.00	63.20	Vertical
137.986667	-73.83	-13.00	60.83	Vertical
263.286667	-63.01	-13.00	50.01	Vertical
1649.000000	-51.57	-13.00	38.57	Vertical
3297.862500	-66.65	-13.00	53.65	Vertical
6703.537500	-65.03	-13.00	52.03	Vertical
62.900000	-75.09	-13.00	62.09	Horizontal
198.233333	-59.88	-13.00	46.88	Horizontal
1649.000000	-54.27	-13.00	41.27	Horizontal
3287.137500	-67.72	-13.00	54.72	Horizontal
5528.175000	-65.40	-13.00	52.40	Horizontal
62.900000	-75.09	-13.00	62.09	Horizontal

2.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.560000	-76.24	-13.00	63.24	Vertical
138.873333	-73.03	-13.00	60.03	Vertical
262.726667	-63.54	-13.00	50.54	Vertical
1664.000000	-51.22	-13.00	38.22	Vertical
3328.087500	-66.64	-13.00	53.64	Vertical
6592.875000	-64.07	-13.00	51.07	Vertical
65.560000	-76.24	-13.00	63.24	Horizontal
138.873333	-73.03	-13.00	60.03	Horizontal
262.726667	-63.54	-13.00	50.54	Horizontal
1664.000000	-51.22	-13.00	38.22	Horizontal
3328.087500	-66.64	-13.00	53.64	Horizontal
6592.875000	-64.07	-13.00	51.07	Horizontal



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2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
68.453333	-75.82	-13.00	62.82	Vertical
138.873333	-74.48	-13.00	61.48	Vertical
262.866667	-63.47	-13.00	50.47	Vertical
1679.000000	-51.75	-13.00	38.75	Vertical
3358.312500	-65.75	-13.00	52.75	Vertical
5080.650000	-65.65	-13.00	52.65	Vertical
62.340000	-75.36	-13.00	62.36	Horizontal
197.906667	-60.72	-13.00	47.72	Horizontal
346.680000	-67.33	-13.00	54.33	Horizontal
1679.000000	-51.52	-13.00	38.52	Horizontal
3377.325000	-67.81	-13.00	54.81	Horizontal
5081.625000	-65.55	-13.00	52.55	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.

The End



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