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]

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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)	Height [cm]	Angle [°]	Polarization
67.520000	-76.20	-13.00	63.20	124	264	Vertical
137.986667	-73.83	-13.00	60.83	141	34	Vertical
263.286667	-63.01	-13.00	50.01	117	135	Vertical
1649.000000	-51.57	-13.00	38.57	119	262	Vertical
3297.862500	-66.65	-13.00	53.65	160	244	Vertical
6703.537500	-65.03	-13.00	52.03	136	60	Vertical
62.900000	-75.09	-13.00	62.09	205	330	Horizontal
198.233333	-59.88	-13.00	46.88	258	36	Horizontal
1649.000000	-54.27	-13.00	41.27	210	343	Horizontal
3287.137500	-67.72	-13.00	54.72	197	0	Horizontal
5528.175000	-65.40	-13.00	52.40	168	204	Horizontal
62.900000	-75.09	-13.00	62.09	219	330	Horizontal

2.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.560000	-76.24	-13.00	63.24	127	291	Vertical
138.873333	-73.03	-13.00	60.03	137	16	Vertical
262.726667	-63.54	-13.00	50.54	125	89	Vertical
1664.000000	-51.22	-13.00	38.22	114	200	Vertical
3328.087500	-66.64	-13.00	53.64	167	176	Vertical
6592.875000	-64.07	-13.00	51.07	140	282	Vertical
65.560000	-76.24	-13.00	63.24	209	17	Horizontal
138.873333	-73.03	-13.00	60.03	263	26	Horizontal
262.726667	-63.54	-13.00	50.54	207	348	Horizontal
1664.000000	-51.22	-13.00	38.22	180	250	Horizontal
3328.087500	-66.64	-13.00	53.64	172	277	Horizontal
6592.875000	-64.07	-13.00	51.07	230	287	Horizontal

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2.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
68.453333	-75.82	-13.00	62.82	131	302	Vertical
138.873333	-74.48	-13.00	61.48	135	16	Vertical
262.866667	-63.47	-13.00	50.47	126	135	Vertical
1679.000000	-51.75	-13.00	38.75	113	259	Vertical
3358.312500	-65.75	-13.00	52.75	169	216	Vertical
5080.650000	-65.65	-13.00	52.65	130	321	Vertical
62.340000	-75.36	-13.00	62.36	204	256	Horizontal
197.906667	-60.72	-13.00	47.72	257	34	Horizontal
346.680000	-67.33	-13.00	54.33	206	359	Horizontal
1679.000000	-51.52	-13.00	38.52	187	249	Horizontal
3377.325000	-67.81	-13.00	54.81	173	78	Horizontal
5081.625000	-65.55	-13.00	52.55	229	78	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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