

Appendix B

E-UTRA Band 71



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.40	25.40	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.33	25.33	36.98	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.29	25.29	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#13	22.53	24.53	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#0	22.58	24.58	36.98	PASS
Band71	5MHz	QPSK	133147	12RB#6	22.46	24.46	36.98	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.43	24.43	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.10	25.10	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.45	25.45	36.98	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.14	25.14	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#13	22.58	24.58	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#0	22.56	24.56	36.98	PASS
Band71	5MHz	QPSK	133297	12RB#6	22.49	24.49	36.98	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.43	24.43	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.31	25.31	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.16	25.16	36.98	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.25	25.25	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#6	22.48	24.48	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#13	22.50	24.50	36.98	PASS
Band71	5MHz	QPSK	133447	12RB#0	22.48	24.48	36.98	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.47	24.47	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.52	24.52	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.51	24.51	36.98	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.01	24.01	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#0	21.56	23.56	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#6	21.41	23.41	36.98	PASS
Band71	5MHz	16QAM	133147	12RB#13	21.53	23.53	36.98	PASS



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Band71	5MHz	16QAM	133147	25RB#0	21.54	23.54	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.43	24.43	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.57	24.57	36.98	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.03	24.03	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#6	21.65	23.65	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#0	21.55	23.55	36.98	PASS
Band71	5MHz	16QAM	133297	12RB#13	21.24	23.24	36.98	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.23	23.23	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.11	24.11	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.44	24.44	36.98	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.07	24.07	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#0	21.46	23.46	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#6	21.47	23.47	36.98	PASS
Band71	5MHz	16QAM	133447	12RB#13	21.50	23.50	36.98	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.47	23.47	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.44	25.44	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.35	25.35	36.98	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.30	25.30	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#0	22.56	24.56	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#12	22.55	24.55	36.98	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.50	24.50	36.98	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.42	24.42	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.11	25.11	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#24	23.45	25.45	36.98	PASS
Band71	10MHz	QPSK	133297	1RB#49	23.12	25.12	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#25	22.58	24.58	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#0	22.58	24.58	36.98	PASS
Band71	10MHz	QPSK	133297	25RB#12	22.51	24.51	36.98	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.44	24.44	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.32	25.32	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.13	25.13	36.98	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.25	25.25	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#25	22.45	24.45	36.98	PASS



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Band71	10MHz	QPSK	133422	25RB#0	22.46	24.46	36.98	PASS
Band71	10MHz	QPSK	133422	25RB#12	22.44	24.44	36.98	PASS
Band71	10MHz	QPSK	133422	50RB#0	22.46	24.46	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.54	24.54	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.54	24.54	36.98	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.03	24.03	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#0	21.53	23.53	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#12	21.43	23.43	36.98	PASS
Band71	10MHz	16QAM	133172	25RB#25	21.54	23.54	36.98	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.51	23.51	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.47	24.47	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.57	24.57	36.98	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.08	24.08	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#25	21.68	23.68	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.56	23.56	36.98	PASS
Band71	10MHz	16QAM	133297	25RB#0	21.26	23.26	36.98	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.24	23.24	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.06	24.06	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.43	24.43	36.98	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.04	24.04	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.50	23.50	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#25	21.48	23.48	36.98	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.50	23.50	36.98	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.47	23.47	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.41	25.41	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#38	23.33	25.33	36.98	PASS
Band71	15MHz	QPSK	133197	1RB#74	23.32	25.32	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#0	22.51	24.51	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#39	22.53	24.53	36.98	PASS
Band71	15MHz	QPSK	133197	36RB#18	22.49	24.49	36.98	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.45	24.45	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.09	25.09	36.98	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.48	25.48	36.98	PASS



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Band71	15MHz	QPSK	133297	1RB#0	23.11	25.11	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#0	22.60	24.60	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#39	22.56	24.56	36.98	PASS
Band71	15MHz	QPSK	133297	36RB#18	22.46	24.46	36.98	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.46	24.46	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.31	25.31	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#74	23.13	25.13	36.98	PASS
Band71	15MHz	QPSK	133397	1RB#0	23.23	25.23	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#0	22.49	24.49	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#18	22.46	24.46	36.98	PASS
Band71	15MHz	QPSK	133397	36RB#39	22.45	24.45	36.98	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.47	24.47	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.54	24.54	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.52	24.52	36.98	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.01	24.01	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#0	21.55	23.55	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#18	21.45	23.45	36.98	PASS
Band71	15MHz	16QAM	133197	36RB#39	21.54	23.54	36.98	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.49	23.49	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.43	24.43	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.57	24.57	36.98	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.04	24.04	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#39	21.70	23.70	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#0	21.52	23.52	36.98	PASS
Band71	15MHz	16QAM	133297	36RB#18	21.27	23.27	36.98	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.24	23.24	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.08	24.08	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.45	24.45	36.98	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.07	24.07	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#39	21.51	23.51	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#18	21.51	23.51	36.98	PASS
Band71	15MHz	16QAM	133397	36RB#0	21.49	23.49	36.98	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.45	23.45	36.98	PASS



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Band71	20MHz	QPSK	133222	1RB#0	23.49	25.49	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.41	25.41	36.98	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.37	25.37	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.61	24.61	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.63	24.63	36.98	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.56	24.56	36.98	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.52	24.52	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.17	25.17	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.54	25.54	36.98	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.21	25.21	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.68	24.68	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.65	24.65	36.98	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.56	24.56	36.98	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.51	24.51	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.38	25.38	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.23	25.23	36.98	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.33	25.33	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.55	24.55	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.56	24.56	36.98	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.53	24.53	36.98	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.52	24.52	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.61	24.61	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.61	24.61	36.98	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.03	24.03	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#0	21.63	23.63	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#25	21.51	23.51	36.98	PASS
Band71	20MHz	16QAM	133222	50RB#50	21.60	23.60	36.98	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.59	23.59	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.53	24.53	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.63	24.63	36.98	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.01	24.01	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.75	23.75	36.98	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.61	23.61	36.98	PASS



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Band71	20MHz	16QAM	133322	50RB#50	21.33	23.33	36.98	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.32	23.32	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.16	24.16	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.52	24.52	36.98	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.01	24.01	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#0	21.56	23.56	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#25	21.56	23.56	36.98	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.57	23.57	36.98	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.55	23.55	36.98	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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2. Field Strength of Spurious Radiation

2.1. Test Mode =LTE/TM1 20MHz

2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.133333	-74.78	-13.00	61.78	Vertical
197.160000	-58.76	-13.00	45.76	Vertical
350.926667	-60.03	-13.00	47.03	Vertical
1328.000000	-57.04	-13.00	44.04	Vertical
1992.500000	-59.06	-13.00	46.06	Vertical
4136.362500	-66.59	-13.00	53.59	Vertical
63.133333	-74.78	-13.00	61.78	Horizontal
197.160000	-58.76	-13.00	45.76	Horizontal
350.926667	-60.03	-13.00	47.03	Horizontal
1328.000000	-57.04	-13.00	44.04	Horizontal
1992.500000	-59.06	-13.00	46.06	Horizontal
4136.362500	-66.59	-13.00	53.59	Horizontal

2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
57.113333	-75.96	-13.00	62.96	Vertical
196.786667	-59.03	-13.00	46.03	Vertical
351.626667	-59.88	-13.00	46.88	Vertical
1343.000000	-55.51	-13.00	42.51	Vertical
2015.000000	-59.25	-13.00	46.25	Vertical
4140.262500	-66.60	-13.00	53.60	Vertical
57.113333	-75.96	-13.00	62.96	Horizontal
196.786667	-59.03	-13.00	46.03	Horizontal
351.626667	-59.88	-13.00	46.88	Horizontal
1343.000000	-55.51	-13.00	42.51	Horizontal
2015.000000	-59.25	-13.00	46.25	Horizontal
4140.262500	-66.60	-13.00	53.60	Horizontal



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2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.213333	-76.69	-13.00	63.69	Vertical
138.266667	-70.85	-13.00	57.85	Vertical
261.280000	-60.43	-13.00	47.43	Vertical
1358.000000	-54.62	-13.00	41.62	Vertical
2037.500000	-58.02	-13.00	45.02	Vertical
4125.150000	-66.58	-13.00	53.58	Vertical
62.200000	-75.57	-13.00	62.57	Horizontal
198.140000	-59.80	-13.00	46.80	Horizontal
351.440000	-60.92	-13.00	47.92	Horizontal
1358.000000	-56.61	-13.00	43.61	Horizontal
2422.500000	-53.89	-13.00	40.89	Horizontal
4108.575000	-66.98	-13.00	53.98	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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