

# 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] = 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 20MHz

#### 2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
63.133333	-74.78	-13.00	61.78	148	308	Vertical
197.160000	-58.76	-13.00	45.76	171	354	Vertical
350.926667	-60.03	-13.00	47.03	130	42	Vertical
1328.000000	-57.04	-13.00	44.04	170	185	Vertical
1992.500000	-59.06	-13.00	46.06	146	332	Vertical
4136.362500	-66.59	-13.00	53.59	225	175	Vertical
63.133333	-74.78	-13.00	61.78	232	104	Horizontal
197.160000	-58.76	-13.00	45.76	279	187	Horizontal
350.926667	-60.03	-13.00	47.03	225	318	Horizontal
1328.000000	-57.04	-13.00	44.04	219	255	Horizontal
1992.500000	-59.06	-13.00	46.06	226	178	Horizontal
4136.362500	-66.59	-13.00	53.59	224	282	Horizontal

#### 2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
57.113333	-75.96	-13.00	62.96	145	295	Vertical
196.786667	-59.03	-13.00	46.03	164	21	Vertical
351.626667	-59.88	-13.00	46.88	125	249	Vertical
1343.000000	-55.51	-13.00	42.51	154	213	Vertical
2015.000000	-59.25	-13.00	46.25	148	324	Vertical
4140.262500	-66.60	-13.00	53.60	217	147	Vertical
57.113333	-75.96	-13.00	62.96	239	132	Horizontal
196.786667	-59.03	-13.00	46.03	295	187	Horizontal
351.626667	-59.88	-13.00	46.88	240	297	Horizontal
1343.000000	-55.51	-13.00	42.51	230	254	Horizontal
2015.000000	-59.25	-13.00	46.25	227	5	Horizontal
4140.262500	-66.60	-13.00	53.60	222	249	Horizontal

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### 2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
66.213333	-76.69	-13.00	63.69	153	269	Vertical
138.266667	-70.85	-13.00	57.85	168	21	Vertical
261.280000	-60.43	-13.00	47.43	131	241	Vertical
1358.000000	-54.62	-13.00	41.62	172	220	Vertical
2037.500000	-58.02	-13.00	45.02	137	331	Vertical
4125.150000	-66.58	-13.00	53.58	233	336	Vertical
62.200000	-75.57	-13.00	62.57	240	0	Horizontal
198.140000	-59.80	-13.00	46.80	284	10	Horizontal
351.440000	-60.92	-13.00	47.92	229	307	Horizontal
1358.000000	-56.61	-13.00	43.61	216	255	Horizontal
2422.500000	-53.89	-13.00	40.89	216	201	Horizontal
4108.575000	-66.98	-13.00	53.98	218	0	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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