

Antenna-Roof-2L

Detail Antenna Gain

LTE Main Antenna

Frequency (MHz)	704	734	756	768	787	824	868
Efficiency (%)	21.82	44.08	49.33	46.28	45.36	32.66	27.45
Gain (dBi)	0.31	4.02	6.1	4.92	4.86	2.76	3.11
Average Gain (dB)	-6.61	-3.56	-3.07	-3.35	-3.43	-4.86	-5.61

Frequency (MHz)	880	915	960	1710	1785	1805	1850
Efficiency (%)	23.75	39.36	45.05	36.29	52.78	54.86	55.35
Gain (dBi)	1.68	3.06	2.5	2.39	4.43	5.47	4.63
Average Gain (dB)	-6.24	-4.05	-3.46	-4.4	-2.77	-2.61	-2.57

Frequency (MHz)	1880	1920	1990	2110	2140	2170	2300
Efficiency (%)	45.21	43	38.38	26.3	29.1	27.18	36.41
Gain (dBi)	4.19	3.73	3.49	1.95	2.57	2.25	3.3
Average Gain (dB)	-3.45	-3.67	-4.16	-5.8	-5.36	-5.66	-4.39

Frequency (MHz)	2400	2500	2570	2620	2690
Efficiency (%)	32.95	33.89	33.44	29.79	30.22
Gain (dBi)	3.12	2	1.95	1.62	1.69
Average Gain (dB)	-4.82	-4.7	-4.76	-5.26	-5.2

LTE Secondary Antenna

Frequency (MHz)	704	734	756	768	787	824	868
Efficiency (%)	25.93	54.28	77.84	62.49	61.65	45.06	37.1
Gain (dBi)	0.27	4.35	4.91	4.1	3.69	2.45	1.82
Average Gain (dB)	-5.86	-2.65	-1.09	-2.04	-2.1	-3.46	-4.31

Frequency (MHz)	880	915	960	1710	1785	1805	1850
Efficiency (%)	31.64	40.64	42.12	33.63	50.95	56.52	57.49
Gain (dBi)	0.99	1.7	2.11	0.01	1.48	3.92	3.79
Average Gain (dB)	-5	-3.91	-3.76	-4.73	-2.93	-2.48	-2.4

Frequency (MHz)	1880	1920	1990	2110	2140	2170	2300
Efficiency (%)	50.2	44.71	44.52	28.56	31.2	28.78	35.21
Gain (dBi)	4.45	3.7	3.46	2.27	3	2.69	3.79
Average Gain (dB)	-2.99	-3.5	-3.51	-5.44	-5.06	-5.41	-4.53

Frequency (MHz)	2400	2500	2570	2620	2690
Efficiency (%)	30.41	29.97	35.32	37.63	41.52
Gain (dBi)	3.18	0.85	1.45	2.63	2.88
Average Gain (dB)	-5.17	-5.23	-4.52	-4.24	-3.82