

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency: 824.7 MHz								
298.50	H	20.15	-59.29	0.00	0.34	-59.63	-13.00	46.63
367.27	V	19.57	-56.64	0.00	0.37	-57.01	-13.00	44.01
1649.400	H	36.28	-68.05	8.68	0.80	-60.17	-13.00	47.17
1649.400	V	37.12	-67.29	8.68	0.80	-59.41	-13.00	46.41
2474.100	H	40.23	-60.55	9.38	1.00	-52.17	-13.00	39.17
2474.100	V	43.77	-56.96	9.38	1.00	-48.58	-13.00	35.58
3298.800	H	35.02	-61.66	10.32	1.15	-52.49	-13.00	39.49
3298.800	V	34.43	-62.01	10.32	1.15	-52.84	-13.00	39.84
QPSK, 1.4MHz, Frequency: 836.5 MHz								
383.54	H	19.99	-58.13	0.00	0.38	-58.51	-13.00	45.51
414.06	V	20.08	-54.91	0.00	0.39	-55.30	-13.00	42.30
1673.000	H	34.12	-70.19	8.71	0.85	-62.33	-13.00	49.33
1673.000	V	38.30	-66.11	8.71	0.85	-58.25	-13.00	45.25
2509.500	H	42.45	-58.16	9.42	1.01	-49.75	-13.00	36.75
2509.500	V	44.04	-56.58	9.42	1.01	-48.17	-13.00	35.17
3346.000	H	33.26	-63.90	10.34	1.16	-54.72	-13.00	41.72
3346.000	V	34.45	-62.57	10.34	1.16	-53.39	-13.00	40.39
QPSK, 1.4MHz, Frequency: 848.3 MHz								
420.75	H	19.34	-58.11	0.00	0.39	-58.50	-13.00	45.50
650.92	V	19.96	-50.85	0.00	0.52	-51.37	-13.00	38.37
1696.600	H	35.63	-68.66	8.74	0.89	-60.81	-13.00	47.81
1696.600	V	34.25	-70.17	8.74	0.89	-62.32	-13.00	49.32
2544.900	H	39.78	-60.56	9.47	1.01	-52.10	-13.00	39.10
2544.900	V	41.25	-59.05	9.47	1.01	-50.59	-13.00	37.59
3393.200	H	34.19	-63.48	10.36	1.19	-54.31	-13.00	41.31
3393.200	V	35.11	-62.52	10.36	1.19	-53.35	-13.00	40.35

LTE Band 7 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 5MHz, Frequency: 2502.5 MHz								
272.72	H	38.63	-72.73	0.00	0.32	-73.05	-25.00	48.05
68.33	V	39.87	-63.31	-5.89	0.15	-69.35	-25.00	44.35
5005.000	H	36.45	-56.51	11.20	1.47	-46.78	-25.00	21.78
5005.000	V	34.23	-58.59	11.20	1.47	-48.86	-25.00	23.86
7507.500	H	39.78	-50.01	10.90	1.95	-41.06	-25.00	16.06
7507.500	V	42.11	-48.18	10.90	1.95	-39.23	-25.00	14.23
QPSK, 5MHz, Frequency:2535 MHz								
316.65	H	37.95	-72.52	0.00	0.34	-72.86	-25.00	47.86
79.79	V	40.21	-68.24	-0.10	0.16	-68.50	-25.00	43.50
5070.000	H	35.28	-57.91	11.24	1.47	-48.14	-25.00	23.14
5070.000	V	37.12	-55.97	11.24	1.47	-46.20	-25.00	21.20
7605.000	H	40.25	-49.22	10.88	2.01	-40.35	-25.00	15.35
7605.000	V	43.25	-46.94	10.88	2.01	-38.07	-25.00	13.07
QPSK, 5MHz, Frequency: 2567.5 MHz								
263.17	H	38.88	-72.71	0.00	0.31	-73.02	-25.00	48.02
60.69	V	39.93	-65.85	-9.93	0.14	-75.92	-25.00	50.92
5135.000	H	35.28	-58.32	11.28	1.47	-48.51	-25.00	23.51
5135.000	V	34.78	-58.71	11.28	1.47	-48.90	-25.00	23.90
7702.500	H	41.21	-48.31	10.86	1.97	-39.42	-25.00	14.42
7702.500	V	42.05	-48.13	10.86	1.97	-39.24	-25.00	14.24

LTE Band 12 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency: 699.7 MHz								
266.99	H	19.25	-61.05	0.00	0.31	-61.36	-13.00	48.36
160.02	V	21.36	-55.37	0.00	0.23	-55.60	-13.00	42.60
1399.400	H	35.45	-68.25	8.22	0.71	-60.74	-13.00	47.74
1399.400	V	34.23	-69.52	8.22	0.71	-62.01	-13.00	49.01
2099.100	H	45.28	-56.60	9.16	0.91	-48.35	-13.00	35.35
2099.100	V	43.66	-58.17	9.16	0.91	-49.92	-13.00	36.92
2798.800	H	34.04	-65.89	9.88	1.04	-57.05	-13.00	44.05
2798.800	V	33.78	-66.02	9.88	1.04	-57.18	-13.00	44.18
QPSK, 1.4MHz, Frequency:707.5 MHz								
240.24	H	18.61	-62.28	0.00	0.29	-62.57	-13.00	49.57
152.38	V	19.68	-56.94	0.00	0.23	-57.17	-13.00	44.17
1415.000	H	34.56	-69.11	8.26	0.72	-61.57	-13.00	48.57
1415.000	V	35.12	-68.60	8.26	0.72	-61.06	-13.00	48.06
2122.500	H	48.27	-53.72	9.17	0.92	-45.47	-13.00	32.47
2122.500	V	46.37	-55.60	9.17	0.92	-47.35	-13.00	34.35
2830.000	H	35.32	-64.48	9.93	1.06	-55.61	-13.00	42.61
2830.000	V	34.11	-65.62	9.93	1.06	-56.75	-13.00	43.75
QPSK, 1.4MHz, Frequency: 715.3 MHz								
290.86	H	19.51	-60.14	0.00	0.33	-60.47	-13.00	47.47
189.63	V	21.83	-56.33	0.00	0.26	-56.59	-13.00	43.59
1430.600	H	35.02	-68.61	8.31	0.73	-61.03	-13.00	48.03
1430.600	V	34.28	-69.41	8.31	0.73	-61.83	-13.00	48.83
2145.900	H	47.33	-54.77	9.19	0.93	-46.51	-13.00	33.51
2145.900	V	42.85	-59.26	9.19	0.93	-51.00	-13.00	38.00
2861.200	H	34.45	-65.20	9.98	1.07	-56.29	-13.00	43.29
2861.200	V	34.72	-64.95	9.98	1.07	-56.04	-13.00	43.04

LTE Band 41 (30MHz-27GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 5MHz, Low Frequency For FCC: 2498.5 MHz								
265.08	H	39.87	-71.67	0.00	0.31	-71.98	-25.00	46.98
88.39	V	40.59	-68.62	0.00	0.17	-68.79	-25.00	43.79
4997.000	H	37.84	-55.10	11.20	1.48	-45.38	-25.00	20.38
4997.000	V	38.12	-54.68	11.20	1.48	-44.96	-25.00	19.96
7495.500	H	43.44	-46.35	10.90	1.94	-37.39	-25.00	12.39
7495.500	V	45.12	-45.17	10.90	1.94	-36.21	-25.00	11.21
QPSK, 5MHz, Middle Frequency:2593 MHz								
297.55	H	38.62	-72.16	0.00	0.34	-72.50	-25.00	47.50
70.24	V	40.19	-62.56	-4.88	0.15	-67.59	-25.00	42.59
5186.000	H	36.85	-57.18	11.31	1.44	-47.31	-25.00	22.31
5186.000	V	39.02	-54.87	11.31	1.44	-45.00	-25.00	20.00
7779.000	H	45.11	-44.38	10.84	1.99	-35.53	-25.00	10.53
7779.000	V	46.09	-43.85	10.84	1.99	-35.00	-25.00	10.00
QPSK, 5MHz, High Frequency: 2687.5 MHz								
338.61	H	39.54	-70.60	0.00	0.36	-70.96	-25.00	45.96
61.65	V	40.86	-64.59	-9.43	0.14	-74.16	-25.00	49.16
5375.000	H	39.46	-54.05	11.43	1.49	-44.11	-25.00	19.11
5375.000	V	38.12	-55.38	11.43	1.49	-45.44	-25.00	20.44
8062.500	H	40.25	-47.97	10.81	2.12	-39.28	-25.00	14.28
8062.500	V	42.51	-46.21	10.81	2.12	-37.52	-25.00	12.52
QPSK, 5MHz, Low Frequency ISED: 2502.5 MHz								
297.55	H	38.62	-72.16	0.00	0.34	-72.50	-25.00	47.50
61.65	V	40.86	-64.59	-9.43	0.14	-74.16	-25.00	49.16
5005.000	H	35.78	-57.18	11.20	1.47	-47.45	-25.00	22.45
5005.000	V	38.43	-54.39	11.20	1.47	-44.66	-25.00	19.66
7507.500	H	41.11	-48.68	10.90	1.95	-39.73	-25.00	14.73
7507.500	V	39.56	-50.73	10.90	1.95	-41.78	-25.00	16.78

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

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