

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
211.52	H	39.54	-73.12	0.00	0.26	-73.38	-13.00	60.38
44.27	V	37.60	-57.75	-20.76	0.12	-78.63	-13.00	65.63
3704.800	H	48.52	-48.74	10.60	1.25	-39.39	-13.00	26.39
3704.800	V	45.32	-51.91	10.60	1.25	-42.56	-13.00	29.56
5557.200	H	43.09	-50.19	11.43	1.49	-40.25	-13.00	27.25
5557.200	V	38.76	-54.37	11.43	1.49	-44.43	-13.00	31.43
WCDMA Band II, Frequency:1880 MHz								
207.12	H	39.42	-73.33	0.00	0.26	-73.59	-13.00	60.59
64.65	V	39.31	-65.12	-7.84	0.14	-73.10	-13.00	60.10
3760.000	H	49.66	-46.75	10.66	1.24	-37.33	-13.00	24.33
3760.000	V	47.91	-48.38	10.66	1.24	-38.96	-13.00	25.96
5640.000	H	42.63	-50.82	11.33	1.54	-41.03	-13.00	28.03
5640.000	V	39.43	-53.90	11.33	1.54	-44.11	-13.00	31.11
WCDMA Band II, Frequency:1907.6MHz								
211.54	H	39.01	-73.65	0.00	0.26	-73.91	-13.00	60.91
44.27	V	38.29	-57.06	-20.76	0.12	-77.94	-13.00	64.94
3815.200	H	49.55	-46.30	10.72	1.29	-36.87	-13.00	23.87
3815.200	V	46.42	-49.27	10.72	1.29	-39.84	-13.00	26.84
5722.800	H	44.67	-48.82	11.23	1.58	-39.17	-13.00	26.17
5722.800	V	39.81	-53.54	11.23	1.58	-43.89	-13.00	30.89

AWS Band(Part 27)

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV, Frequency:1712.4 MHz								
204.23	H	39.22	-73.59	0.00	0.26	-73.85	-13.00	60.85
67.43	V	38.59	-64.89	-6.36	0.15	-71.40	-13.00	58.40
3424.800	H	46.46	-51.31	10.37	1.17	-42.11	-13.00	29.11
3424.800	V	41.09	-56.65	10.37	1.17	-47.45	-13.00	34.45
5137.200	H	41.55	-52.07	11.28	1.46	-42.25	-13.00	29.25
5137.200	V	36.67	-56.83	11.28	1.46	-47.01	-13.00	34.01
WCDMA Band IV, Frequency:1732.6 MHz								
243.38	H	39.42	-72.61	0.00	0.30	-72.91	-13.00	59.91
44.28	V	37.32	-58.04	-20.76	0.12	-78.92	-13.00	65.92
3465.200	H	45.15	-52.66	10.39	1.15	-43.42	-13.00	30.42
3465.200	V	39.77	-58.00	10.39	1.15	-48.76	-13.00	35.76
5197.800	H	40.39	-53.74	11.32	1.44	-43.86	-13.00	30.86
5197.800	V	38.98	-55.00	11.32	1.44	-45.12	-13.00	32.12
WCDMA Band IV, Frequency:1752.6MHz								
238.31	H	39.30	-72.83	0.00	0.29	-73.12	-13.00	60.12
67.43	V	38.62	-64.86	-6.36	0.15	-71.37	-13.00	58.37
3505.200	H	45.97	-51.86	10.41	1.18	-42.63	-13.00	29.63
3505.200	V	41.05	-56.72	10.41	1.18	-47.49	-13.00	34.49
5257.800	H	40.64	-53.09	11.35	1.47	-43.21	-13.00	30.21
5257.800	V	37.37	-56.14	11.35	1.47	-46.26	-13.00	33.26

LTE Bands:
(The Worst modulation and bandwidth was below)

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
220.62	H	39.09	-73.39	0.00	0.27	-73.66	-13.00	60.66
67.20	V	39.09	-64.47	-6.48	0.15	-71.10	-13.00	58.10
3701.400	H	51.97	-45.34	10.60	1.25	-35.99	-13.00	22.99
3701.400	V	47.89	-49.40	10.60	1.25	-40.05	-13.00	27.05
5552.100	H	41.47	-51.80	11.44	1.49	-41.85	-13.00	28.85
5552.100	V	39.47	-53.63	11.44	1.49	-43.68	-13.00	30.68
QPSK, Frequency: 1880 MHz								
296.18	H	40.22	-70.59	0.00	0.33	-70.92	-13.00	57.92
67.67	V	38.82	-64.58	-6.23	0.15	-70.96	-13.00	57.96
3760.000	H	51.23	-45.18	10.66	1.24	-35.76	-13.00	22.76
3760.000	V	44.76	-51.53	10.66	1.24	-42.11	-13.00	29.11
5640.000	H	42.77	-50.68	11.33	1.54	-40.89	-13.00	27.89
5640.000	V	40.39	-52.94	11.33	1.54	-43.15	-13.00	30.15
QPSK, Frequency: 1909.3 MHz								
217.54	H	39.70	-72.84	0.00	0.27	-73.11	-13.00	60.11
68.15	V	40.43	-62.81	-5.98	0.15	-68.94	-13.00	55.94
3818.600	H	52.54	-43.32	10.72	1.29	-33.89	-13.00	20.89
3818.600	V	47.87	-47.84	10.72	1.29	-38.41	-13.00	25.41
5727.900	H	46.23	-47.25	11.23	1.59	-37.61	-13.00	24.61
5727.900	V	41.97	-51.39	11.23	1.59	-41.75	-13.00	28.75

LTE Band 4 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
219.84	H	38.20	-74.30	0.00	0.27	-74.57	-13.00	61.57
67.67	V	38.79	-64.61	-6.23	0.15	-70.99	-13.00	57.99
3421.400	H	48.98	-48.78	10.37	1.17	-39.58	-13.00	26.58
3421.400	V	41.54	-56.19	10.37	1.17	-46.99	-13.00	33.99
5132.100	H	40.94	-52.63	11.28	1.47	-42.82	-13.00	29.82
5132.100	V	39.63	-53.83	11.28	1.47	-44.02	-13.00	31.02
QPSK, Frequency: 1732.5 MHz								
217.54	H	38.66	-73.88	0.00	0.27	-74.15	-13.00	61.15
66.26	V	38.85	-65.03	-6.98	0.15	-72.16	-13.00	59.16
3465.000	H	46.54	-51.27	10.39	1.15	-42.03	-13.00	29.03
3465.000	V	40.68	-57.09	10.39	1.15	-47.85	-13.00	34.85
5197.500	H	39.93	-54.20	11.32	1.44	-44.32	-13.00	31.32
5197.500	V	39.84	-54.14	11.32	1.44	-44.26	-13.00	31.26
QPSK, Frequency: 1754.3MHz								
296.18	H	38.99	-71.82	0.00	0.33	-72.15	-13.00	59.15
68.39	V	39.73	-63.43	-5.85	0.15	-69.43	-13.00	56.43
3508.600	H	48.02	-49.80	10.41	1.19	-40.58	-13.00	27.58
3508.600	V	42.48	-55.28	10.41	1.19	-46.06	-13.00	33.06
5262.900	H	38.88	-54.82	11.36	1.47	-44.93	-13.00	31.93
5262.900	V	38.09	-55.38	11.36	1.47	-45.49	-13.00	32.49

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 824.7 MHz								
204.18	H	20.17	-61.14	0.00	0.26	-61.40	-13.00	48.40
61.83	V	19.79	-54.09	-9.33	0.14	-63.56	-13.00	50.56
1649.400	H	41.11	-63.22	8.68	0.80	-55.34	-13.00	42.34
1649.400	V	42.97	-61.44	8.68	0.80	-53.56	-13.00	40.56
2474.100	H	38.00	-62.78	9.38	1.00	-54.40	-13.00	41.40
2474.100	V	36.70	-64.03	9.38	1.00	-55.65	-13.00	42.65
3298.800	H	34.48	-62.20	10.32	1.15	-53.03	-13.00	40.03
3298.800	V	34.06	-62.38	10.32	1.15	-53.21	-13.00	40.21
QPSK, Frequency: 836.5 MHz								
121.58	H	19.50	-61.04	0.00	0.20	-61.24	-13.00	48.24
76.56	V	19.22	-55.80	-1.72	0.16	-57.68	-13.00	44.68
1673.000	H	44.96	-59.35	8.71	0.85	-51.49	-13.00	38.49
1673.000	V	46.98	-57.43	8.71	0.85	-49.57	-13.00	36.57
2509.500	H	35.76	-64.85	9.42	1.01	-56.44	-13.00	43.44
2509.500	V	36.70	-63.92	9.42	1.01	-55.51	-13.00	42.51
3346.000	H	37.09	-60.07	10.34	1.16	-50.89	-13.00	37.89
3346.000	V	35.50	-61.52	10.34	1.16	-52.34	-13.00	39.34
QPSK, Frequency: 848.3 MHz								
568.83	H	21.59	-52.88	0.00	0.46	-53.34	-13.00	40.34
163.45	V	19.47	-57.53	0.00	0.24	-57.77	-13.00	44.77
1696.600	H	49.12	-55.17	8.74	0.89	-47.32	-13.00	34.32
1696.600	V	47.19	-57.23	8.74	0.89	-49.38	-13.00	36.38
2544.900	H	37.14	-63.20	9.47	1.01	-54.74	-13.00	41.74
2544.900	V	42.24	-58.06	9.47	1.01	-49.60	-13.00	36.60
3393.200	H	38.47	-59.20	10.36	1.19	-50.03	-13.00	37.03
3393.200	V	36.82	-60.81	10.36	1.19	-51.64	-13.00	38.64

LTE Band 7 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.5 MHz								
208.58	H	38.50	-74.22	0.00	0.26	-74.48	-25.00	49.48
64.65	V	39.20	-65.23	-7.84	0.14	-73.21	-25.00	48.21
5005.000	H	39.35	-53.61	11.20	1.47	-43.88	-25.00	18.88
5005.000	V	38.62	-54.20	11.20	1.47	-44.47	-25.00	19.47
7507.500	H	38.81	-50.98	10.90	1.95	-42.03	-25.00	17.03
7507.500	V	39.54	-50.75	10.90	1.95	-41.80	-25.00	16.80
QPSK, Frequency:2535 MHz								
201.39	H	38.03	-74.83	0.00	0.26	-75.09	-25.00	50.09
67.67	V	38.36	-65.04	-6.23	0.15	-71.42	-25.00	46.42
5070.000	H	41.40	-51.79	11.24	1.47	-42.02	-25.00	17.02
5070.000	V	40.41	-52.68	11.24	1.47	-42.91	-25.00	17.91
7605.000	H	38.50	-50.97	10.88	2.01	-42.10	-25.00	17.10
7605.000	V	37.63	-52.56	10.88	2.01	-43.69	-25.00	18.69
QPSK, Frequency: 2567.5 MHz								
208.58	H	39.62	-73.10	0.00	0.26	-73.36	-25.00	48.36
67.20	V	38.56	-65.00	-6.48	0.15	-71.63	-25.00	46.63
5135.000	H	41.26	-52.34	11.28	1.47	-42.53	-25.00	17.53
5135.000	V	41.50	-51.99	11.28	1.47	-42.18	-25.00	17.18
7702.500	H	37.04	-52.48	10.86	1.97	-43.59	-25.00	18.59
7702.500	V	37.25	-52.93	10.86	1.97	-44.04	-25.00	19.04

LTE Band 40 Lower(30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2307.5MHz								
262.89	H	37.98	-73.62	0.00	0.31	-73.93	-40.00	33.93
44.12	V	38.26	-56.90	-20.96	0.12	-77.98	-40.00	37.98
4615.000	H	37.89	-57.47	10.74	1.41	-48.14	-40.00	8.14
4615.000	V	39.54	-55.68	10.74	1.41	-46.35	-40.00	6.35
6922.500	H	39.85	-51.17	11.22	1.88	-41.83	-40.00	1.83
6922.500	V	39.51	-51.38	11.22	1.88	-42.04	-40.00	2.04
5MHz QPSK, Frequency: 2312.5 MHz								
263.81	H	38.28	-73.29	0.00	0.31	-73.60	-40.00	33.60
66.49	V	37.14	-66.66	-6.86	0.15	-73.67	-40.00	33.67
4625.000	H	39.20	-56.09	10.75	1.41	-46.75	-40.00	6.75
4625.000	V	38.72	-56.45	10.75	1.41	-47.11	-40.00	7.11
6937.500	H	37.82	-53.16	11.21	1.90	-43.85	-40.00	3.85
6937.500	V	37.52	-53.32	11.21	1.90	-44.01	-40.00	4.01

LTE Band 40 Upper (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2352.5 MHz								
235.81	H	38.87	-73.31	0.00	0.29	-73.60	-40.00	33.60
68.15	V	39.20	-64.04	-5.98	0.15	-70.17	-40.00	30.17
4705.000	H	37.90	-56.88	10.85	1.41	-47.44	-40.00	7.44
4705.000	V	38.70	-56.10	10.85	1.41	-46.66	-40.00	6.66
7057.500	H	37.20	-52.81	11.17	1.92	-43.56	-40.00	3.56
7057.500	V	36.12	-53.78	11.17	1.92	-44.53	-40.00	4.53
5MHz QPSK, Frequency: 2357.5 MHz								
208.58	H	38.89	-73.83	0.00	0.26	-74.09	-40.00	34.09
44.12	V	38.59	-56.57	-20.96	0.12	-77.65	-40.00	37.65
4715.000	H	37.51	-57.20	10.86	1.41	-47.75	-40.00	7.75
4715.000	V	39.16	-55.55	10.86	1.41	-46.10	-40.00	6.10
7072.500	H	38.47	-51.33	11.16	1.91	-42.08	-40.00	2.08
7072.500	V	36.13	-53.58	11.16	1.91	-44.33	-40.00	4.33

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

==== END OF REPORT =====