

**LTE Band 5, 1.4MHz, QPSK, Channel 20407**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8478.75	-51.94	1.80	11.30	-44.59	-13.00	H
9099.12	-50.57	2.20	11.60	-43.32	-13.00	H
9224.12	-50.72	2.10	11.60	-43.37	-13.00	H
9469.50	-50.69	2.10	11.60	-43.34	-13.00	V
9746.62	-51.15	2.20	11.20	-44.30	-13.00	H
9806.25	-50.94	2.30	11.20	-44.19	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7326.75	-52.96	1.70	12.00	-44.81	-13.00	H
9100.50	-52.03	2.20	11.60	-44.78	-13.00	H
9297.50	-50.56	2.00	11.60	-43.11	-13.00	H
9425.75	-50.82	2.10	11.60	-43.47	-13.00	H
9721.12	-50.98	2.20	11.20	-44.13	-13.00	H
9798.12	-50.91	2.30	11.20	-44.16	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8466.75	-51.76	1.80	11.30	-44.41	-13.00	H
9099.62	-51.25	2.20	11.60	-44.00	-13.00	H
9299.88	-50.03	2.00	11.60	-42.58	-13.00	H
9475.50	-50.67	2.10	11.60	-43.32	-13.00	V
9717.50	-51.05	2.20	11.20	-44.20	-13.00	H
9793.88	-50.96	2.30	11.20	-44.21	-13.00	H

**LTE Band 5, 1.4MHz, 16QAM, Channel 20407**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7324.50	-53.06	1.70	12.00	-44.91	-13.00	H
9099.12	-51.02	2.20	11.60	-43.77	-13.00	H
9295.75	-50.47	2.00	11.60	-43.02	-13.00	H
9476.38	-50.76	2.10	11.60	-43.41	-13.00	V
9735.00	-50.41	2.20	11.20	-43.56	-13.00	H
9925.00	-50.72	2.20	11.20	-43.87	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8455.88	-51.82	1.80	11.30	-44.47	-13.00	H
9097.00	-51.82	2.20	11.60	-44.57	-13.00	H
9211.88	-50.67	2.10	11.60	-43.32	-13.00	H
9473.62	-50.52	2.10	11.60	-43.17	-13.00	V
9724.25	-50.58	2.20	11.20	-43.73	-13.00	H
9795.38	-51.57	2.30	11.20	-44.82	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8409.38	-51.88	1.80	11.30	-44.53	-13.00	H
9101.12	-51.55	2.20	11.60	-44.30	-13.00	H
9298.50	-50.26	2.00	11.60	-42.81	-13.00	H
9478.88	-50.97	2.10	11.60	-43.62	-13.00	V
9738.62	-51.22	2.20	11.20	-44.37	-13.00	H
9785.12	-51.09	2.30	11.20	-44.34	-13.00	H

**LTE Band 7, 5MHz, QPSK, Channel 20775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16951.25	-48.63	2.90	16.50	-35.03	-25.00	H
17195.00	-46.11	2.90	14.50	-34.51	-25.00	H
17266.25	-45.29	3.20	14.50	-33.99	-25.00	H
17510.00	-44.63	2.90	12.80	-34.73	-25.00	H
17571.25	-44.17	3.30	12.80	-34.67	-25.00	H
17698.12	-43.55	3.30	12.80	-34.05	-25.00	H

LTE Band 7, 5MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16961.25	-48.21	2.90	16.50	-34.61	-25.00	H
17204.38	-46.26	2.90	14.50	-34.66	-25.00	H
17364.38	-46.15	3.20	14.50	-34.85	-25.00	H
17454.38	-46.00	2.90	14.50	-34.40	-25.00	H
17594.38	-43.68	3.30	12.80	-34.18	-25.00	H
17839.38	-43.68	3.60	12.80	-34.48	-25.00	H

LTE Band 7, 5MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16975.62	-48.56	2.90	16.50	-34.96	-25.00	H
17205.62	-45.87	2.90	14.50	-34.27	-25.00	H
17215.62	-45.97	3.20	14.50	-34.67	-25.00	H
17462.50	-46.08	2.90	14.50	-34.48	-25.00	H
17608.12	-44.13	3.30	12.80	-34.63	-25.00	H
17823.75	-43.31	3.60	12.80	-34.11	-25.00	H

**LTE Band 7, 5MHz, 16QAM, Channel 20775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16979.38	-48.39	2.90	16.50	-34.79	-25.00	H
17173.12	-46.33	2.90	14.50	-34.73	-25.00	H
17277.50	-45.70	3.20	14.50	-34.40	-25.00	H
17478.75	-46.14	2.90	14.50	-34.54	-25.00	H
17625.62	-44.35	3.30	12.80	-34.85	-25.00	H
17805.62	-43.87	3.60	12.80	-34.67	-25.00	H

LTE Band 7, 5MHz, 16QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.00	-48.54	2.90	16.50	-34.94	-25.00	H
17201.88	-46.20	2.90	14.50	-34.60	-25.00	H
17320.62	-45.86	3.20	14.50	-34.56	-25.00	H
17523.12	-44.71	2.90	12.80	-34.81	-25.00	H
17570.00	-43.64	3.30	12.80	-34.14	-25.00	H
17818.12	-43.68	3.60	12.80	-34.48	-25.00	H

LTE Band 7, 5MHz, 16QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16954.38	-48.30	2.90	16.50	-34.70	-25.00	H
17110.62	-46.56	2.90	14.50	-34.96	-25.00	H
17296.88	-45.56	3.20	14.50	-34.26	-25.00	H
17450.62	-46.12	2.90	14.50	-34.52	-25.00	H
17618.75	-43.45	3.30	12.80	-33.95	-25.00	H
17821.25	-43.35	3.60	12.80	-34.15	-25.00	H

**LTE Band 12, 1.4MHz, QPSK, Channel 23017**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8739.00	-52.82	2.00	12.00	-44.97	-13.00	H
9099.25	-51.44	2.20	11.60	-44.19	-13.00	H
9297.75	-49.78	2.00	11.60	-42.33	-13.00	H
9432.50	-51.31	2.10	11.60	-43.96	-13.00	H
9679.62	-50.43	2.20	11.20	-43.58	-13.00	H
9796.88	-51.18	2.30	11.20	-44.43	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8466.00	-52.40	1.80	11.30	-45.05	-13.00	H
9100.88	-51.53	2.20	11.60	-44.28	-13.00	H
9223.62	-50.33	2.10	11.60	-42.98	-13.00	H
9464.25	-50.40	2.10	11.60	-43.05	-13.00	V
9733.50	-51.04	2.20	11.20	-44.19	-13.00	H
9790.38	-51.26	2.30	11.20	-44.51	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7124.62	-52.13	1.90	12.00	-44.18	-13.00	V
9100.38	-51.26	2.20	11.60	-44.01	-13.00	H
9296.62	-50.35	2.00	11.60	-42.90	-13.00	H
9474.50	-51.08	2.10	11.60	-43.73	-13.00	V
9738.38	-51.02	2.20	11.20	-44.17	-13.00	H
9802.75	-51.22	2.30	11.20	-44.47	-13.00	H

**LTE Band 12, 1.4MHz, 16QAM, Channel 23017**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7206.38	-52.81	1.80	12.00	-44.76	-13.00	V
8722.50	-52.94	2.00	12.00	-45.09	-13.00	H
9298.00	-50.10	2.00	11.60	-42.65	-13.00	H
9475.62	-51.26	2.10	11.60	-43.91	-13.00	V
9727.38	-50.85	2.20	11.20	-44.00	-13.00	H
9798.62	-50.82	2.30	11.20	-44.07	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8377.50	-52.32	1.80	11.30	-44.97	-13.00	H
9088.12	-51.85	2.20	11.60	-44.60	-13.00	H
9293.75	-49.75	2.00	11.60	-42.30	-13.00	H
9478.12	-51.43	2.10	11.60	-44.08	-13.00	V
9737.50	-50.27	2.20	11.20	-43.42	-13.00	H
9788.88	-50.79	2.30	11.20	-44.04	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8356.12	-52.81	1.80	11.30	-45.46	-13.00	H
9101.00	-50.79	2.20	11.60	-43.54	-13.00	H
9225.25	-50.56	2.10	11.60	-43.21	-13.00	H
9423.25	-51.25	2.10	11.60	-43.90	-13.00	H
9722.75	-51.09	2.20	11.20	-44.24	-13.00	H
9790.50	-50.63	2.30	11.20	-43.88	-13.00	H

**LTE Band 17, 1.4MHz, QPSK, Channel 23755**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8737.12	-52.27	2.00	12.00	-44.42	-13.00	H
9102.75	-51.41	2.20	11.60	-44.16	-13.00	H
9225.12	-49.94	2.10	11.60	-42.59	-13.00	H
9472.38	-50.78	2.10	11.60	-43.43	-13.00	V
9733.62	-50.55	2.20	11.20	-43.70	-13.00	H
9805.38	-50.65	2.30	11.20	-43.90	-13.00	H

LTE Band 17, 1.4MHz, QPSK, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7199.62	-52.14	1.80	12.00	-44.09	-13.00	V
9103.00	-50.75	2.20	11.60	-43.50	-13.00	H
9222.75	-50.49	2.10	11.60	-43.14	-13.00	H
9468.12	-50.42	2.10	11.60	-43.07	-13.00	V
9732.25	-50.29	2.20	11.20	-43.44	-13.00	H
9980.50	-50.55	2.20	11.20	-43.70	-13.00	H

LTE Band 17, 1.4MHz, QPSK, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8481.38	-51.87	1.80	11.30	-44.52	-13.00	H
9101.00	-51.48	2.20	11.60	-44.23	-13.00	H
9301.88	-50.20	2.00	11.60	-42.75	-13.00	H
9473.75	-51.42	2.10	11.60	-44.07	-13.00	V
9749.25	-50.60	2.20	11.20	-43.75	-13.00	H
9789.62	-51.12	2.30	11.20	-44.37	-13.00	H

**LTE Band 17, 1.4MHz, 16QAM, Channel 23755**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8713.88	-51.89	2.00	12.00	-44.04	-13.00	V
9099.50	-51.61	2.20	11.60	-44.36	-13.00	H
9223.12	-50.09	2.10	11.60	-42.74	-13.00	H
9474.12	-50.10	2.10	11.60	-42.75	-13.00	V
9745.25	-50.60	2.20	11.20	-43.75	-13.00	H
9799.88	-50.61	2.30	11.20	-43.86	-13.00	H

LTE Band 17, 1.4MHz, 16QAM, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8634.75	-52.34	2.00	12.00	-44.49	-13.00	H
9099.75	-51.07	2.20	11.60	-43.82	-13.00	H
9224.12	-49.91	2.10	11.60	-42.56	-13.00	H
9430.00	-50.74	2.10	11.60	-43.39	-13.00	H
9756.62	-50.65	2.20	11.20	-43.80	-13.00	H
9996.88	-50.38	2.20	11.20	-43.53	-13.00	H

LTE Band 17, 1.4MHz, 16QAM, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8481.38	-52.38	1.80	11.30	-45.03	-13.00	H
9107.00	-51.48	2.10	11.60	-44.13	-13.00	H
9224.62	-50.70	2.10	11.60	-43.35	-13.00	H
9468.25	-51.08	2.10	11.60	-43.73	-13.00	V
9724.12	-50.85	2.20	11.20	-44.00	-13.00	H
9792.88	-51.31	2.30	11.20	-44.56	-13.00	H

**LTE Band 25, 1.4MHz, QPSK, Channel 26047**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16991.25	-46.05	2.90	16.50	-32.45	-13.00	H
17186.88	-44.04	2.90	14.50	-32.44	-13.00	H
17286.88	-44.08	3.20	14.50	-32.78	-13.00	H
17432.50	-42.69	2.90	14.50	-31.09	-13.00	H
17528.75	-40.42	2.90	12.80	-30.52	-13.00	H
17834.38	-40.43	3.60	12.80	-31.23	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26365

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17001.25	-43.94	2.90	14.50	-32.34	-13.00	H
17169.38	-44.03	2.90	14.50	-32.43	-13.00	H
17283.75	-44.02	3.20	14.50	-32.72	-13.00	H
17465.62	-42.47	2.90	14.50	-30.87	-13.00	H
17618.12	-40.57	3.30	12.80	-31.07	-13.00	H
17840.00	-39.56	3.60	12.80	-30.36	-13.00	H

LTE Band 25, 1.4MHz, QPSK, Channel 26683

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16984.38	-45.66	2.90	16.50	-32.06	-13.00	H
17098.12	-44.90	2.90	14.50	-33.30	-13.00	H
17364.38	-44.35	3.20	14.50	-33.05	-13.00	H
17525.00	-40.73	2.90	12.80	-30.83	-13.00	H
17628.12	-40.56	3.30	12.80	-31.06	-13.00	H
17832.50	-40.72	3.60	12.80	-31.52	-13.00	H

**LTE Band 25, 1.4MHz, 16QAM, Channel 26047**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16956.88	-45.50	2.90	16.50	-31.90	-13.00	H
17107.50	-44.89	2.90	14.50	-33.29	-13.00	H
17281.88	-43.87	3.20	14.50	-32.57	-13.00	H
17522.50	-40.80	2.90	12.80	-30.90	-13.00	H
17602.50	-40.14	3.30	12.80	-30.64	-13.00	H
17808.12	-40.13	3.60	12.80	-30.93	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26365

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16961.25	-45.72	2.90	16.50	-32.12	-13.00	H
17205.00	-44.37	2.90	14.50	-32.77	-13.00	H
17304.38	-43.88	3.20	14.50	-32.58	-13.00	H
17423.12	-43.24	2.90	14.50	-31.64	-13.00	H
17603.12	-40.10	3.30	12.80	-30.60	-13.00	H
17810.62	-40.27	3.60	12.80	-31.07	-13.00	H

LTE Band 25, 1.4MHz, 16QAM, Channel 26683

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16988.12	-45.87	2.90	16.50	-32.27	-13.00	H
17196.25	-43.71	2.90	14.50	-32.11	-13.00	H
17280.62	-43.87	3.20	14.50	-32.57	-13.00	H
17495.62	-42.29	2.90	14.50	-30.69	-13.00	H
17568.75	-40.45	3.30	12.80	-30.95	-13.00	H
17831.88	-41.11	3.60	12.80	-31.91	-13.00	H

**LTE Band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8475.38	-52.26	1.80	11.30	-44.91	-13.00	H
9097.25	-51.69	2.20	11.60	-44.44	-13.00	H
9225.50	-50.54	2.10	11.60	-43.19	-13.00	H
9475.25	-51.22	2.10	11.60	-43.87	-13.00	V
9723.88	-50.95	2.20	11.20	-44.10	-13.00	H
9795.38	-50.88	2.30	11.20	-44.13	-13.00	H

LTE Band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8474.50	-51.33	1.80	11.30	-43.98	-13.00	H
9104.38	-51.36	2.20	11.60	-44.11	-13.00	H
9300.12	-50.31	2.00	11.60	-42.86	-13.00	H
9475.50	-51.01	2.10	11.60	-43.66	-13.00	V
9752.75	-50.43	2.20	11.20	-43.58	-13.00	V
9797.25	-51.32	2.30	11.20	-44.57	-13.00	H

LTE Band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8472.75	-51.85	1.80	11.30	-44.50	-13.00	V
9104.62	-51.50	2.20	11.60	-44.25	-13.00	H
9301.12	-50.77	2.00	11.60	-43.32	-13.00	H
9475.75	-51.11	2.10	11.60	-43.76	-13.00	V
9739.12	-50.65	2.20	11.20	-43.80	-13.00	H
9809.25	-51.61	2.30	11.20	-44.86	-13.00	H

**LTE Band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8475.38	-52.18	1.80	11.30	-44.83	-13.00	H
9092.88	-51.79	2.20	11.60	-44.54	-13.00	H
9222.25	-50.36	2.10	11.60	-43.01	-13.00	H
9427.88	-51.05	2.10	11.60	-43.70	-13.00	H
9738.25	-50.77	2.20	11.20	-43.92	-13.00	H
9788.50	-50.78	2.30	11.20	-44.03	-13.00	H

LTE Band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7320.38	-53.14	1.70	12.00	-44.99	-13.00	H
9102.00	-51.72	2.20	11.60	-44.47	-13.00	H
9300.50	-50.36	2.00	11.60	-42.91	-13.00	H
9474.62	-51.18	2.10	11.60	-43.83	-13.00	V
9733.50	-50.72	2.20	11.20	-43.87	-13.00	H
9782.88	-51.13	2.30	11.20	-44.38	-13.00	H

LTE Band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8524.50	-52.46	2.10	12.00	-44.71	-13.00	H
9099.50	-51.83	2.20	11.60	-44.58	-13.00	H
9299.50	-50.39	2.00	11.60	-42.94	-13.00	H
9476.75	-50.89	2.10	11.60	-43.54	-13.00	V
9750.12	-51.01	2.20	11.20	-44.16	-13.00	H
9795.62	-51.37	2.30	11.20	-44.62	-13.00	H

**LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
7121.62	-52.32	1.90	12.00	-44.37	-13.00	H
9104.38	-51.50	2.20	11.60	-44.25	-13.00	H
9293.50	-50.68	2.00	11.60	-43.23	-13.00	H
9476.12	-51.37	2.10	11.60	-44.02	-13.00	V
9740.12	-50.53	2.20	11.20	-43.68	-13.00	H
9788.00	-51.51	2.30	11.20	-44.76	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8471.25	-51.96	1.80	11.30	-44.61	-13.00	H
9096.62	-51.25	2.20	11.60	-44.00	-13.00	H
9225.88	-50.30	2.10	11.60	-42.95	-13.00	H
9476.38	-50.80	2.10	11.60	-43.45	-13.00	V
9743.00	-50.32	2.20	11.20	-43.47	-13.00	H
9801.12	-51.29	2.30	11.20	-44.54	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8348.62	-51.95	1.80	11.30	-44.60	-13.00	H
9102.88	-51.16	2.20	11.60	-43.91	-13.00	H
9223.00	-50.87	2.10	11.60	-43.52	-13.00	H
9475.00	-50.66	2.10	11.60	-43.31	-13.00	V
9744.38	-50.62	2.20	11.20	-43.77	-13.00	H
9794.38	-51.35	2.30	11.20	-44.60	-13.00	H

**LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8480.25	-52.50	1.80	11.30	-45.15	-13.00	H
9104.00	-51.65	2.20	11.60	-44.40	-13.00	H
9296.25	-50.77	2.00	11.60	-43.32	-13.00	H
9471.12	-51.69	2.10	11.60	-44.34	-13.00	V
9742.25	-51.17	2.20	11.20	-44.32	-13.00	H
9784.00	-50.41	2.30	11.20	-43.66	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8717.25	-52.32	2.00	12.00	-44.47	-13.00	V
9102.00	-51.18	2.20	11.60	-43.93	-13.00	H
9304.75	-50.69	2.00	11.60	-43.24	-13.00	H
9473.00	-51.20	2.10	11.60	-43.85	-13.00	V
9667.50	-51.09	2.20	11.20	-44.24	-13.00	H
9789.38	-51.21	2.30	11.20	-44.46	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
8456.62	-51.85	1.80	11.30	-44.50	-13.00	H
9099.88	-51.31	2.20	11.60	-44.06	-13.00	H
9307.00	-50.93	2.00	11.60	-43.48	-13.00	H
9469.38	-50.70	2.10	11.60	-43.35	-13.00	V
9721.00	-50.79	2.20	11.20	-43.94	-13.00	H
9781.12	-50.58	2.30	11.20	-43.83	-13.00	H

**LTE Band 38, 5MHz, QPSK, Channel 37775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16910.00	-48.15	2.90	16.50	-34.55	-25.00	H
16932.50	-47.74	2.90	16.50	-34.14	-25.00	H
17231.88	-45.35	3.20	14.50	-34.05	-25.00	H
17519.38	-44.49	2.90	12.80	-34.59	-25.00	H
17627.50	-43.86	3.30	12.80	-34.36	-25.00	H
17776.88	-44.02	3.60	12.80	-34.82	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16953.12	-48.00	2.90	16.50	-34.40	-25.00	H
17171.88	-46.15	2.90	14.50	-34.55	-25.00	H
17227.50	-45.47	3.20	14.50	-34.17	-25.00	H
17414.38	-45.57	2.90	14.50	-33.97	-25.00	H
17575.00	-44.37	3.30	12.80	-34.87	-25.00	H
17775.00	-43.21	3.60	12.80	-34.01	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16942.50	-48.35	2.90	16.50	-34.75	-25.00	H
17135.62	-45.48	2.90	14.50	-33.88	-25.00	H
17277.50	-45.35	3.20	14.50	-34.05	-25.00	H
17514.38	-44.41	2.90	12.80	-34.51	-25.00	H
17643.12	-44.12	3.30	12.80	-34.62	-25.00	H
17802.50	-43.22	3.60	12.80	-34.02	-25.00	H

**LTE Band 38, 5MHz, 16QAM, Channel 37775**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16960.00	-48.49	2.90	16.50	-34.89	-25.00	H
17187.50	-46.08	2.90	14.50	-34.48	-25.00	H
17365.00	-45.59	3.20	14.50	-34.29	-25.00	H
17520.62	-44.49	2.90	12.80	-34.59	-25.00	H
17532.50	-44.31	2.90	12.80	-34.41	-25.00	H
17778.75	-43.62	3.60	12.80	-34.42	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17010.00	-45.96	2.90	14.50	-34.36	-25.00	H
17177.50	-46.25	2.90	14.50	-34.65	-25.00	H
17253.75	-45.67	3.20	14.50	-34.37	-25.00	H
17418.12	-45.55	2.90	14.50	-33.95	-25.00	H
17625.62	-44.20	3.30	12.80	-34.70	-25.00	H
17778.12	-43.68	3.60	12.80	-34.48	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16985.62	-47.98	2.90	16.50	-34.38	-25.00	H
17186.88	-46.23	2.90	14.50	-34.63	-25.00	H
17294.38	-45.47	3.20	14.50	-34.17	-25.00	H
17458.75	-46.23	2.90	14.50	-34.63	-25.00	H
17583.75	-44.16	3.30	12.80	-34.66	-25.00	H
17769.38	-43.77	3.60	12.80	-34.57	-25.00	H

**LTE Band 41, 5MHz, QPSK, Channel 39675**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16956.88	-48.36	2.90	16.50	-34.76	-25.00	H
17131.88	-46.37	2.90	14.50	-34.77	-25.00	H
17368.12	-45.88	3.20	14.50	-34.58	-25.00	H
17468.12	-45.70	2.90	14.50	-34.10	-25.00	H
17593.12	-44.10	3.30	12.80	-34.60	-25.00	H
17781.88	-43.73	3.60	12.80	-34.53	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40620

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16993.75	-48.81	2.90	16.50	-35.21	-25.00	H
17165.62	-46.22	2.90	14.50	-34.62	-25.00	H
17296.88	-45.74	3.20	14.50	-34.44	-25.00	H
17505.00	-44.05	2.90	12.80	-34.15	-25.00	H
17620.00	-43.97	3.30	12.80	-34.47	-25.00	H
17784.38	-43.80	3.60	12.80	-34.60	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41565

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16964.38	-48.59	2.90	16.50	-34.99	-25.00	H
17134.38	-46.25	2.90	14.50	-34.65	-25.00	H
17354.38	-45.24	3.20	14.50	-33.94	-25.00	H
17445.62	-45.83	2.90	14.50	-34.23	-25.00	H
17623.75	-44.09	3.30	12.80	-34.59	-25.00	H
17772.50	-43.26	3.60	12.80	-34.06	-25.00	H

**LTE Band 41, 5MHz, 16QAM, Channel 39675**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16973.12	-48.31	2.90	16.50	-34.71	-25.00	H
17181.88	-45.97	2.90	14.50	-34.37	-25.00	H
17290.62	-45.89	3.20	14.50	-34.59	-25.00	H
17408.12	-45.96	2.90	14.50	-34.36	-25.00	H
17620.62	-43.87	3.30	12.80	-34.37	-25.00	H
17835.00	-44.14	3.60	12.80	-34.94	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40620

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16992.50	-48.46	2.90	16.50	-34.86	-25.00	H
17143.12	-46.20	2.90	14.50	-34.60	-25.00	H
17361.88	-46.06	3.20	14.50	-34.76	-25.00	H
17523.12	-44.66	2.90	12.80	-34.76	-25.00	H
17617.50	-43.72	3.30	12.80	-34.22	-25.00	H
17830.62	-43.44	3.60	12.80	-34.24	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41565

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16946.88	-48.18	2.90	16.50	-34.58	-25.00	H
17113.75	-46.41	2.90	14.50	-34.81	-25.00	H
17340.62	-45.94	3.20	14.50	-34.64	-25.00	H
17460.00	-46.33	2.90	14.50	-34.73	-25.00	H
17530.00	-44.13	2.90	12.80	-34.23	-25.00	H
17776.25	-44.04	3.60	12.80	-34.84	-25.00	H

**LTE Band 66, 1.4MHz, QPSK, Channel 131979**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16988.12	-44.76	2.90	16.50	-31.16	-13.00	H
17113.12	-44.44	2.90	14.50	-32.84	-13.00	H
17356.25	-44.29	3.20	14.50	-32.99	-13.00	H
17510.62	-40.90	2.90	12.80	-31.00	-13.00	H
17525.62	-40.52	2.90	12.80	-30.62	-13.00	H
17771.88	-40.43	3.60	12.80	-31.23	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.12	-45.35	2.90	16.50	-31.75	-13.00	H
17197.50	-43.81	2.90	14.50	-32.21	-13.00	H
17300.62	-43.48	3.20	14.50	-32.18	-13.00	H
17454.38	-42.72	2.90	14.50	-31.12	-13.00	H
17591.88	-40.15	3.30	12.80	-30.65	-13.00	H
17751.25	-40.57	3.60	12.80	-31.37	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16940.62	-45.99	2.90	16.50	-32.39	-13.00	H
17187.50	-44.61	2.90	14.50	-33.01	-13.00	H
17261.25	-44.12	3.20	14.50	-32.82	-13.00	H
17441.88	-42.69	2.90	14.50	-31.09	-13.00	H
17618.75	-39.78	3.30	12.80	-30.28	-13.00	H
17838.12	-40.68	3.60	12.80	-31.48	-13.00	H

**LTE Band 66, 1.4MHz, 16QAM, Channel 131979**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16967.50	-45.96	2.90	16.50	-32.36	-13.00	H
17162.50	-44.33	2.90	14.50	-32.73	-13.00	H
17288.12	-43.64	3.20	14.50	-32.34	-13.00	H
17457.50	-42.72	2.90	14.50	-31.12	-13.00	H
17622.50	-39.67	3.30	12.80	-30.17	-13.00	H
17801.88	-40.44	3.60	12.80	-31.24	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16951.88	-44.69	2.90	16.50	-31.09	-13.00	H
17177.50	-43.44	2.90	14.50	-31.84	-13.00	H
17295.62	-43.40	3.20	14.50	-32.10	-13.00	H
17505.00	-40.24	2.90	12.80	-30.34	-13.00	H
17622.50	-39.63	3.30	12.80	-30.13	-13.00	H
17771.25	-40.62	3.60	12.80	-31.42	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16907.50	-45.92	2.90	16.50	-32.32	-13.00	H
16953.75	-45.78	2.90	16.50	-32.18	-13.00	H
17293.12	-44.00	3.20	14.50	-32.70	-13.00	H
17503.75	-41.10	2.90	12.80	-31.20	-13.00	H
17603.75	-40.11	3.30	12.80	-30.61	-13.00	H
17828.75	-40.32	3.60	12.80	-31.12	-13.00	H

**LTE Band CA_7C, 20MHz+20MHz, QPSK, Channel 20850+21048**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16960.00	-48.52	2.90	16.50	-37.07	-25.00	H
17143.75	-45.79	2.90	14.50	-36.34	-25.00	H
17360.00	-45.98	3.20	14.50	-36.83	-25.00	H
17484.38	-46.58	2.90	14.50	-37.13	-25.00	H
17573.12	-44.32	3.30	12.80	-36.97	-25.00	H
17836.25	-43.87	3.60	12.80	-36.82	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, Channel 21001+21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16956.88	-48.60	2.90	16.50	-37.15	-25.00	H
17210.62	-46.41	2.90	14.50	-36.96	-25.00	H
17346.88	-45.84	3.20	14.50	-36.69	-25.00	H
17482.50	-45.59	2.90	14.50	-36.14	-25.00	H
17564.38	-44.00	3.30	12.80	-36.65	-25.00	H
17838.12	-43.37	3.60	12.80	-36.32	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, Channel 21152+21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16960.00	-48.21	2.90	16.50	-36.76	-25.00	H
17164.38	-46.76	2.90	14.50	-37.31	-25.00	H
17236.88	-46.05	3.20	14.50	-36.90	-25.00	H
17478.75	-45.65	2.90	14.50	-36.20	-25.00	H
17625.62	-43.77	3.30	12.80	-36.42	-25.00	H
17838.12	-43.29	3.60	12.80	-36.24	-25.00	H

**LTE Band CA_7C, 20MHz+20MHz, 16QAM, Channel 20850+21048**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16939.38	-48.54	2.90	16.50	-37.09	-25.00	H
17167.50	-46.49	2.90	14.50	-37.04	-25.00	H
17362.50	-46.21	3.20	14.50	-37.06	-25.00	H
17522.50	-44.68	2.90	12.80	-36.93	-25.00	H
17594.38	-43.91	3.30	12.80	-36.56	-25.00	H
17832.50	-43.32	3.60	12.80	-36.27	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, Channel 21001+21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
16966.25	-48.22	2.90	16.50	-36.77	-25.00	H
17126.88	-46.40	2.90	14.50	-36.95	-25.00	H
17293.12	-45.52	3.20	14.50	-36.37	-25.00	H
17462.50	-45.64	2.90	14.50	-36.19	-25.00	H
17600.00	-43.62	3.30	12.80	-36.27	-25.00	H
17838.12	-43.95	3.60	12.80	-36.90	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, Channel 21152+21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
17000.62	-46.68	2.90	14.50	-37.23	-25.00	H
17210.00	-45.81	2.90	14.50	-36.36	-25.00	H
17226.25	-45.39	3.20	14.50	-36.24	-25.00	H
17456.88	-46.27	2.90	14.50	-36.82	-25.00	H
17636.88	-44.25	3.30	12.80	-36.90	-25.00	H
17816.25	-43.22	3.60	12.80	-36.17	-25.00	H

**LTE Band CA_38C, 20MHz+20MHz, QPSK, Channel 37850+38048**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16943.12	-47.89	2.90	16.50	-34.29	-25.00	H
17206.88	-45.75	2.90	14.50	-34.15	-25.00	H
17368.75	-45.89	3.20	14.50	-34.59	-25.00	H
17430.62	-45.64	2.90	14.50	-34.04	-25.00	H
17585.00	-44.26	3.30	12.80	-34.76	-25.00	H
17832.50	-43.79	3.60	12.80	-34.59	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, Channel 37901+38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16998.12	-48.89	2.90	16.50	-35.29	-25.00	H
17175.00	-46.47	2.90	14.50	-34.87	-25.00	H
17303.12	-45.71	3.20	14.50	-34.41	-25.00	H
17463.12	-46.42	2.90	14.50	-34.82	-25.00	H
17624.38	-43.90	3.30	12.80	-34.40	-25.00	H
17814.38	-44.01	3.60	12.80	-34.81	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, Channel 37952+38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16988.12	-48.11	2.90	16.50	-34.51	-25.00	H
17126.88	-46.47	2.90	14.50	-34.87	-25.00	H
17281.25	-46.03	3.20	14.50	-34.73	-25.00	H
17500.00	-44.80	2.90	12.80	-34.90	-25.00	H
17580.62	-43.85	3.30	12.80	-34.35	-25.00	H
17796.88	-43.86	3.60	12.80	-34.66	-25.00	H

**LTE Band CA_38C, 20MHz+20MHz, 16QAM, Channel 37850+38048**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16933.75	-48.54	2.90	16.50	-34.94	-25.00	H
17066.25	-45.68	2.90	14.50	-34.08	-25.00	H
17257.50	-45.67	3.20	14.50	-34.37	-25.00	H
17511.88	-44.10	2.90	12.80	-34.20	-25.00	H
17531.25	-44.75	2.90	12.80	-34.85	-25.00	H
17826.25	-43.62	3.60	12.80	-34.42	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, Channel 37901+38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16940.00	-48.14	2.90	16.50	-34.54	-25.00	H
17170.00	-46.02	2.90	14.50	-34.42	-25.00	H
17286.88	-45.36	3.20	14.50	-34.06	-25.00	H
17521.25	-44.88	2.90	12.80	-34.98	-25.00	H
17534.38	-44.52	2.90	12.80	-34.62	-25.00	H
17832.50	-43.84	3.60	12.80	-34.64	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, Channel 37952+38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16945.00	-48.68	2.90	16.50	-35.08	-25.00	H
17181.88	-46.45	2.90	14.50	-34.85	-25.00	H
17288.12	-46.11	3.20	14.50	-34.81	-25.00	H
17462.50	-46.08	2.90	14.50	-34.48	-25.00	H
17626.88	-44.18	3.30	12.80	-34.68	-25.00	H
17758.75	-43.46	3.60	12.80	-34.26	-25.00	H

**LTE Band CA_41C, 20MHz+20MHz, QPSK, Channel 39750+39948**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.12	-47.78	2.90	16.50	-34.18	-25.00	H
17159.38	-45.91	2.90	14.50	-34.31	-25.00	H
17279.38	-45.80	3.20	14.50	-34.50	-25.00	H
17443.75	-46.23	2.90	14.50	-34.63	-25.00	H
17590.62	-43.59	3.30	12.80	-34.09	-25.00	H
17818.12	-43.82	3.60	12.80	-34.62	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, Channel 40521+40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16474.38	-49.58	2.70	17.40	-34.88	-25.00	H
16936.88	-48.13	2.90	16.50	-34.53	-25.00	H
17256.25	-45.71	3.20	14.50	-34.41	-25.00	H
17498.75	-45.52	2.90	14.50	-33.92	-25.00	H
17572.50	-44.34	3.30	12.80	-34.84	-25.00	H
17828.12	-43.85	3.60	12.80	-34.65	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, Channel 41292+41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16910.62	-48.42	2.90	16.50	-34.82	-25.00	H
17010.00	-45.70	2.90	14.50	-34.10	-25.00	H
17283.12	-45.52	3.20	14.50	-34.22	-25.00	H
17464.38	-46.14	2.90	14.50	-34.54	-25.00	H
17617.50	-43.96	3.30	12.80	-34.46	-25.00	H
17830.00	-43.73	3.60	12.80	-34.53	-25.00	H

**LTE Band CA_41C, 20MHz+20MHz, 16QAM, Channel 39750+39948**

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16983.12	-48.77	2.90	16.50	-35.17	-25.00	H
17116.88	-46.47	2.90	14.50	-34.87	-25.00	H
17296.25	-45.23	3.20	14.50	-33.93	-25.00	H
17513.12	-44.56	2.90	12.80	-34.66	-25.00	H
17615.62	-44.37	3.30	12.80	-34.87	-25.00	H
17764.38	-43.53	3.60	12.80	-34.33	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, Channel 40521+40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
16959.38	-48.43	2.90	16.50	-34.83	-25.00	H
17211.25	-46.44	2.90	14.50	-34.84	-25.00	H
17340.00	-45.88	3.20	14.50	-34.58	-25.00	H
17485.00	-45.49	2.90	14.50	-33.89	-25.00	H
17573.12	-43.91	3.30	12.80	-34.41	-25.00	H
17775.62	-43.76	3.60	12.80	-34.56	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, Channel 41292+41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak EIRP(dBm)	Limit (dBm)	Polarization
17002.50	-46.68	2.90	14.50	-35.08	-25.00	H
17186.88	-45.80	2.90	14.50	-34.20	-25.00	H
17281.25	-45.79	3.20	14.50	-34.49	-25.00	H
17405.62	-45.88	2.90	14.50	-34.28	-25.00	H
17556.25	-43.87	2.90	12.80	-33.97	-25.00	H
17794.38	-43.83	3.60	12.80	-34.63	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.87dB(30MHz-3GHz)/3.35dB(3GHz-18GHz)/2.68dB(18GHz-40GHz), k = 2



A.3 FREQUENCY STABILITY

Reference

FCC: CFR Part 2.1055, 22.355, 24.235, 27.54, 90.213.

A.3.1 Method of Measurement

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of R&S CMW500.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on mid channel of all bands, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Remeasure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments remeasuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of R&S CMW500. stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.



A.3.2 Measurement results

LTE Band 2, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.89	1850.780	1909.240		
50				1.10	0.0006
40				-0.59	0.0003
30				-0.74	0.0004
10				-6.14	0.0033
0				-6.68	0.0036
-10				-5.05	0.0027
-20				-6.25	0.0033
-30				-6.25	0.0033

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	1850.780	1909.240	-6.15	0.0033
4.48				-5.41	0.0029

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 4, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	3.89	1710.780	1754.220		
40				-2.72	0.0016
30				-5.16	0.0030
20				-4.12	0.0024
10				-2.15	0.0012
0				-1.19	0.0007
-10				-2.88	0.0017
-20				-2.60	0.0015
-30				-4.05	0.0023

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	1710.780	1754.220	-5.05	0.0029
4.48				-4.23	0.0024

Expanded measurement uncertainty is 10Hz, $k = 2$



LTE Band 5, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
50	3.89	824.350	848.630		
40				-1.54	0.0018
30				-0.58	0.0007
20				-0.66	0.0008
10				-0.45	0.0005
0				-0.37	0.0004
-10				-0.85	0.0010
-20				-1.97	0.0024
-30				-1.28	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	824.350	848.630	-0.39	0.0005
4.48				-1.14	0.0014

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 7, 20MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.89	2500.480	2569.520		
50				-0.60	0.0002
40				1.50	0.0006
30				1.24	0.0005
10				3.73	0.0015
0				-0.54	0.0002
-10				0.17	0.0001
-20				-2.25	0.0009
-30				0.59	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	2500.480	2569.520	-0.92	0.0004
4.48				-0.16	0.0001

Expanded measurement uncertainty is 10 Hz, $k = 2$



LTE Band 12, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.89	699.430	715.540		
50				-1.16	0.0016
40				-0.73	0.0010
30				0.06	0.0001
10				-0.56	0.0008
0				-2.80	0.0040
-10				-1.13	0.0016
-20				-2.08	0.0029
-30				-3.45	0.0049

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	699.430	715.540	-3.63	0.0051
4.48				-1.65	0.0023

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 17, 10MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.89	704.350	715.620		
50				1.33	0.0019
40				0.10	0.0001
30				1.13	0.0016
10				1.67	0.0023
0				-0.46	0.0006
-10				-0.33	0.0005
-20				1.18	0.0017
-30				-0.31	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.60	20	704.350	715.620	0.05	0.0001
4.48				0.10	0.0001

Expanded measurement uncertainty is 10Hz, k = 2