

## APPENDIX B – TEST DATA OF RADIATED EMISSION

The measurement results are obtained as described below:

$$\text{Peak EIRP} = \text{Pmea} + \text{Pca Cable loss} + \text{Ga Antenna Gain}$$

Sample calculation: (24.57 dBm) = (19.77 dBm) + (-3.8 dB) + (8.6 dB), the corresponding frequency is 1851.5MHz.

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1851.5	24.57	-3.8	8.6	19.77	Vertical

LTE band 2

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band2	QPSK	1.4	18607	1#0	19.81	0.10
Band2	QPSK	1.4	18900	1#0	20.27	0.11
Band2	QPSK	1.4	19193	1#0	20.01	0.10
Band2	16QAM	1.4	18607	1#0	19.20	0.08
Band2	16QAM	1.4	18900	1#0	18.19	0.07
Band2	16QAM	1.4	19193	1#0	18.71	0.07
Band2	64QAM	1.4	18607	1#0	18.95	0.08
Band2	64QAM	1.4	18900	1#0	19.06	0.08
Band2	64QAM	1.4	19193	1#0	19.71	0.09
Band2	QPSK	3	18615	1#0	19.91	0.10
Band2	QPSK	3	18900	1#0	20.19	0.10
Band2	QPSK	3	19185	1#0	20.06	0.10
Band2	16QAM	3	18615	1#0	18.94	0.08
Band2	16QAM	3	18900	1#0	19.79	0.10
Band2	16QAM	3	19185	1#0	19.82	0.10
Band2	64QAM	3	18615	1#0	19.48	0.09
Band2	64QAM	3	18900	1#0	19.39	0.09
Band2	64QAM	3	19185	1#0	19.52	0.09
Band2	QPSK	5	18625	1#0	19.58	0.09
Band2	QPSK	5	18900	1#0	19.80	0.10
Band2	QPSK	5	19175	1#0	20.06	0.10
Band2	16QAM	5	18625	1#0	18.60	0.07
Band2	16QAM	5	18900	1#0	19.74	0.09
Band2	16QAM	5	19175	1#0	19.36	0.09
Band2	64QAM	5	18625	1#0	19.00	0.08
Band2	64QAM	5	18900	1#0	19.56	0.09
Band2	64QAM	5	19175	1#0	18.43	0.07
Band2	QPSK	10	18650	1#0	20.58	0.11
Band2	QPSK	10	18900	1#0	19.41	0.09
Band2	QPSK	10	19150	1#0	19.58	0.09

Band2	16QAM	10	18650	1#0	18.37	0.07
Band2	16QAM	10	18900	1#0	19.26	0.08
Band2	16QAM	10	19150	1#0	19.12	0.08
Band2	64QAM	10	18650	1#0	19.72	0.09
Band2	64QAM	10	18900	1#0	19.56	0.09
Band2	64QAM	10	19150	1#0	19.19	0.08
Band2	QPSK	15	18675	1#0	19.55	0.09
Band2	QPSK	15	18900	1#0	20.04	0.10
Band2	QPSK	15	19125	1#0	19.78	0.10
Band2	16QAM	15	18675	1#0	18.94	0.08
Band2	16QAM	15	18900	1#0	19.75	0.09
Band2	16QAM	15	19125	1#0	18.97	0.08
Band2	64QAM	15	18675	1#0	18.73	0.07
Band2	64QAM	15	18900	1#0	19.44	0.09
Band2	64QAM	15	19125	1#0	18.71	0.07
Band2	QPSK	20	18700	1#0	19.95	0.10
Band2	QPSK	20	18900	1#0	19.69	0.09
Band2	QPSK	20	19100	1#0	20.24	0.11
Band2	16QAM	20	18700	1#0	18.74	0.07
Band2	16QAM	20	18900	1#0	19.03	0.08
Band2	16QAM	20	19100	1#0	19.11	0.08
Band2	64QAM	20	18700	1#0	19.25	0.08
Band2	64QAM	20	18900	1#0	18.96	0.08
Band2	64QAM	20	19100	1#0	18.11	0.06

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1851.5	19.77	-3.8	8.6	14.97	Vertical
1880.0	19.72	-3.8	8.6	14.92	Vertical
1907.5	20.06	-3.8	8.6	15.26	Vertical

Test result:  
Channel 18615

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.19	-52.30	-13	Vertical
2781.74	-51.97	-13	Vertical
3730.23	-44.05	-13	Vertical
6679.21	-43.55	-13	Vertical
9964.31	-39.58	-13	Vertical
17823.85	-36.06	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.83	-52.79	-13	Vertical
2779.49	-51.34	-13	Vertical
3729.67	-44.06	-13	Vertical
6677.56	-43.53	-13	Vertical
9964.14	-40.13	-13	Vertical
17821.68	-36.13	-13	Vertical

Channel 19175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.04	-52.86	-13	Vertical
2781.61	-52.24	-13	Vertical
3728.49	-43.42	-13	Vertical
6678.49	-43.49	-13	Vertical
9961.36	-40.16	-13	Vertical
17824.42	-35.35	-13	Vertical

LTE band 4

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band4	QPSK	1.4	19957	1#0	20.46	0.11
Band4	QPSK	1.4	20175	1#0	19.62	0.09
Band4	QPSK	1.4	20393	1#0	20.52	0.11
Band4	16QAM	1.4	19957	1#0	19.37	0.09
Band4	16QAM	1.4	20175	1#0	19.34	0.09
Band4	16QAM	1.4	20393	1#0	19.05	0.08
Band4	64QAM	1.4	19957	1#0	18.79	0.08
Band4	64QAM	1.4	20175	1#0	19.12	0.08
Band4	64QAM	1.4	20393	1#0	18.99	0.08
Band4	QPSK	3	19965	1#0	21.04	0.13
Band4	QPSK	3	20175	1#0	20.96	0.12
Band4	QPSK	3	20385	1#0	20.18	0.10
Band4	16QAM	3	19965	1#0	19.92	0.10
Band4	16QAM	3	20175	1#0	18.91	0.08
Band4	16QAM	3	20385	1#0	18.78	0.08
Band4	64QAM	3	19965	1#0	19.56	0.09
Band4	64QAM	3	20175	1#0	19.32	0.09
Band4	64QAM	3	20385	1#0	18.92	0.08
Band4	QPSK	5	19975	1#0	20.86	0.12
Band4	QPSK	5	20175	1#0	20.70	0.12
Band4	QPSK	5	20375	1#0	20.51	0.11
Band4	16QAM	5	19975	1#0	19.27	0.08
Band4	16QAM	5	20175	1#0	18.85	0.08
Band4	16QAM	5	20375	1#0	19.98	0.10
Band4	64QAM	5	19975	1#0	19.54	0.09
Band4	64QAM	5	20175	1#0	19.46	0.09
Band4	64QAM	5	20375	1#0	19.34	0.09
Band4	QPSK	10	20000	1#0	19.97	0.10
Band4	QPSK	10	20175	1#0	20.72	0.12
Band4	QPSK	10	20350	1#0	20.41	0.11
Band4	16QAM	10	20000	1#0	19.81	0.10
Band4	16QAM	10	20175	1#0	19.82	0.10
Band4	16QAM	10	20350	1#0	19.65	0.09
Band4	64QAM	10	20000	1#0	19.08	0.08
Band4	64QAM	10	20175	1#0	18.78	0.08
Band4	64QAM	10	20350	1#0	19.92	0.10
Band4	QPSK	15	20025	1#0	19.88	0.10
Band4	QPSK	15	20175	1#0	19.89	0.10
Band4	QPSK	15	20325	1#0	20.39	0.11
Band4	16QAM	15	20025	1#0	19.64	0.09
Band4	16QAM	15	20175	1#0	20.05	0.10
Band4	16QAM	15	20325	1#0	20.03	0.10

Band4	64QAM	15	20025	1#0	18.69	0.07
Band4	64QAM	15	20175	1#0	19.02	0.08
Band4	64QAM	15	20325	1#0	18.81	0.08
Band4	QPSK	20	20050	1#0	21.30	0.13
Band4	QPSK	20	20175	1#0	21.42	0.14
Band4	QPSK	20	20300	1#0	20.15	0.10
Band4	16QAM	20	20050	1#0	18.95	0.08
Band4	16QAM	20	20175	1#0	19.44	0.09
Band4	16QAM	20	20300	1#0	19.83	0.10
Band4	64QAM	20	20050	1#0	19.90	0.10
Band4	64QAM	20	20175	1#0	20.08	0.10
Band4	64QAM	20	20300	1#0	19.98	0.10

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1710.7	19.31	-3.8	8.6	14.51	Vertical
1732.5	19.38	-3.8	8.6	14.58	Vertical
1754.3	19.44	-3.8	8.6	14.64	Vertical

Test result:  
Channel 19957

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.17	-52.26	-13	Vertical
2778.21	-52.00	-13	Vertical
3730.33	-44.02	-13	Vertical
6678.56	-43.27	-13	Vertical
9963.35	-40.28	-13	Horizontal
17823.96	-36.18	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.70	-52.79	-13	Vertical
2780.05	-51.54	-13	Vertical
3730.98	-43.66	-13	Vertical
6677.20	-43.12	-13	Vertical
9964.81	-39.93	-13	Vertical
17821.89	-35.79	-13	Vertical

Channel 20393

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.84	-53.04	-13	Vertical
2779.96	-51.26	-13	Vertical
3727.36	-43.59	-13	Vertical
6677.34	-43.94	-13	Vertical
9964.25	-39.46	-13	Vertical
17823.18	-35.30	-13	Vertical

LTE band 5  
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band5	QPSK	1.4	20407	1#0	17.71	0.06
Band5	QPSK	1.4	20525	1#0	18.08	0.06
Band5	QPSK	1.4	20643	1#0	17.90	0.06
Band5	16QAM	1.4	20407	1#0	17.79	0.06
Band5	16QAM	1.4	20525	1#0	17.39	0.05
Band5	16QAM	1.4	20643	1#0	17.30	0.05
Band5	64QAM	1.4	20407	1#0	16.82	0.05
Band5	64QAM	1.4	20525	1#0	17.23	0.05
Band5	64QAM	1.4	20643	1#0	16.50	0.04
Band5	QPSK	3	20415	1#0	18.00	0.06
Band5	QPSK	3	20525	1#0	17.80	0.06
Band5	QPSK	3	20635	1#0	18.16	0.07
Band5	16QAM	3	20415	1#0	17.61	0.06
Band5	16QAM	3	20525	1#0	16.54	0.05
Band5	16QAM	3	20635	1#0	16.44	0.04
Band5	64QAM	3	20415	1#0	16.93	0.05
Band5	64QAM	3	20525	1#0	17.16	0.05
Band5	64QAM	3	20635	1#0	16.85	0.05
Band5	QPSK	5	20425	1#0	17.48	0.06
Band5	QPSK	5	20525	1#0	18.57	0.07
Band5	QPSK	5	20625	1#0	17.36	0.05
Band5	16QAM	5	20425	1#0	17.01	0.05
Band5	16QAM	5	20525	1#0	17.19	0.05
Band5	16QAM	5	20625	1#0	16.88	0.05
Band5	64QAM	5	20425	1#0	17.07	0.05
Band5	64QAM	5	20525	1#0	16.58	0.05
Band5	64QAM	5	20625	1#0	17.68	0.06
Band5	QPSK	10	20450	1#0	18.13	0.07
Band5	QPSK	10	20525	1#0	18.40	0.07
Band5	QPSK	10	20600	1#0	18.73	0.07
Band5	16QAM	10	20450	1#0	18.28	0.07
Band5	16QAM	10	20525	1#0	17.37	0.05
Band5	16QAM	10	20600	1#0	17.34	0.05
Band5	64QAM	10	20450	1#0	17.47	0.06
Band5	64QAM	10	20525	1#0	17.27	0.05
Band5	64QAM	10	20600	1#0	17.64	0.06

Frequency (MHz)	Peak ERP (dBm)	PcaCable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
824.0	19.55	-3.4	8.3	2.15	16.80	Vertical
836.5	19.33	-3.4	8.3	2.15	16.58	Vertical
848.9	19.54	-3.4	8.3	2.15	16.79	Vertical

Test result:  
Channel 20400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.41	-52.40	-13	Vertical
1666.43	-52.03	-13	Vertical
2532.80	-43.43	-13	Horizontal
2574.51	-43.24	-13	Vertical
8965.19	-39.80	-13	Horizontal
9970.92	-35.48	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.33	-52.75	-13	Horizontal
1666.10	-51.20	-13	Vertical
2533.43	-44.12	-13	Vertical
2575.59	-42.98	-13	Vertical
8964.98	-40.07	-13	Vertical
9970.20	-35.32	-13	Vertical

Channel 20649

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.90	-52.40	-13	Vertical
1664.45	-51.42	-13	Horizontal
2533.67	-43.64	-13	Horizontal
2574.39	-42.94	-13	Vertical
8963.47	-39.59	-13	Vertical
9969.37	-35.86	-13	Vertical



LTE band 12

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band12	QPSK	1.4	23017	1#0	22.55	0.18
Band12	QPSK	1.4	23095	1#0	22.20	0.17
Band12	QPSK	1.4	23173	1#0	22.37	0.17
Band12	16QAM	1.4	23017	1#0	22.02	0.16
Band12	16QAM	1.4	23095	1#0	21.15	0.13
Band12	16QAM	1.4	23173	1#0	21.37	0.14
Band12	64QAM	1.4	23017	1#0	22.03	0.16
Band12	64QAM	1.4	23095	1#0	22.17	0.16
Band12	64QAM	1.4	23173	1#0	20.91	0.12
Band12	QPSK	3	23025	1#0	22.19	0.17
Band12	QPSK	3	23095	1#0	22.90	0.19
Band12	QPSK	3	23165	1#0	22.03	0.16
Band12	16QAM	3	23025	1#0	21.93	0.16
Band12	16QAM	3	23095	1#0	20.93	0.12
Band12	16QAM	3	23165	1#0	22.00	0.16
Band12	64QAM	3	23025	1#0	21.75	0.15
Band12	64QAM	3	23095	1#0	21.55	0.14
Band12	64QAM	3	23165	1#0	21.67	0.15
Band12	QPSK	5	23035	1#0	22.39	0.17
Band12	QPSK	5	23095	1#0	23.23	0.21
Band12	QPSK	5	23155	1#0	22.08	0.16
Band12	16QAM	5	23035	1#0	21.95	0.16
Band12	16QAM	5	23095	1#0	21.35	0.14
Band12	16QAM	5	23155	1#0	21.87	0.15
Band12	64QAM	5	23035	1#0	21.88	0.15
Band12	64QAM	5	23095	1#0	21.21	0.13
Band12	64QAM	5	23155	1#0	21.76	0.15
Band12	QPSK	10	23060	1#0	22.27	0.17
Band12	QPSK	10	23095	1#0	22.52	0.18
Band12	QPSK	10	23130	1#0	23.33	0.22
Band12	16QAM	10	23060	1#0	21.30	0.13
Band12	16QAM	10	23095	1#0	21.07	0.13
Band12	16QAM	10	23130	1#0	21.50	0.14
Band12	64QAM	10	23060	1#0	21.22	0.13
Band12	64QAM	10	23095	1#0	21.26	0.13
Band12	64QAM	10	23130	1#0	21.32	0.14

Frequency (MHz)	Peak ERP (dBm)	PcaCable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
698.0	21.44	-3.4	8.3	2.15	18.69	Vertical
707.0	21.54	-3.4	8.3	2.15	18.79	Vertical
715.9	21.41	-3.4	8.3	2.15	18.66	Vertical

Test result:  
Channel 23000

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.88	-52.18	-13	Horizontal
1667.63	-51.26	-13	Vertical
2535.02	-43.57	-13	Horizontal
2575.14	-43.42	-13	Vertical
8965.40	-39.96	-13	Vertical
9968.51	-35.58	-13	Vertical

Channel 23090

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.75	-52.05	-13	Vertical
1665.27	-51.13	-13	Vertical
2535.70	-44.00	-13	Horizontal
2574.78	-43.16	-13	Horizontal
8964.92	-39.50	-13	Vertical
9971.30	-36.03	-13	Vertical

Channel 23179

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.10	-52.49	-13	Vertical
1666.74	-51.09	-13	Vertical
2534.00	-43.45	-13	Vertical
2576.28	-43.29	-13	Horizontal
8964.49	-39.22	-13	Horizontal
9968.83	-35.19	-13	Vertical

LTE band 25

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band25	QPSK	1.4	26047	1#0	20.63	0.12
Band25	QPSK	1.4	26365	1#0	19.66	0.09
Band25	QPSK	1.4	26683	1#0	19.87	0.10
Band25	16QAM	1.4	26047	1#0	18.34	0.07
Band25	16QAM	1.4	26365	1#0	19.15	0.08
Band25	16QAM	1.4	26683	1#0	18.38	0.07
Band25	64QAM	1.4	26047	1#0	19.02	0.08
Band25	64QAM	1.4	26365	1#0	20.07	0.10
Band25	64QAM	1.4	26683	1#0	19.43	0.09
Band25	QPSK	3	26055	1#0	20.75	0.12
Band25	QPSK	3	26365	1#0	18.96	0.08
Band25	QPSK	3	26675	1#0	20.83	0.12
Band25	16QAM	3	26055	1#0	18.49	0.07
Band25	16QAM	3	26365	1#0	19.42	0.09
Band25	16QAM	3	26675	1#0	19.60	0.09
Band25	64QAM	3	26055	1#0	18.60	0.07
Band25	64QAM	3	26365	1#0	20.19	0.10
Band25	64QAM	3	26675	1#0	19.65	0.09
Band25	QPSK	5	26065	1#0	20.08	0.10
Band25	QPSK	5	26365	1#0	19.29	0.08
Band25	QPSK	5	26665	1#0	19.77	0.09
Band25	16QAM	5	26065	1#0	18.72	0.07
Band25	16QAM	5	26365	1#0	18.86	0.08
Band25	16QAM	5	26665	1#0	19.28	0.08
Band25	64QAM	5	26065	1#0	19.01	0.08
Band25	64QAM	5	26365	1#0	19.32	0.09
Band25	64QAM	5	26665	1#0	19.32	0.09
Band25	QPSK	10	26090	1#0	20.41	0.11
Band25	QPSK	10	26365	1#0	19.53	0.09
Band25	QPSK	10	26640	1#0	19.26	0.08
Band25	16QAM	10	26090	1#0	19.50	0.09
Band25	16QAM	10	26365	1#0	18.83	0.08
Band25	16QAM	10	26640	1#0	18.64	0.07
Band25	64QAM	10	26090	1#0	18.37	0.07
Band25	64QAM	10	26365	1#0	19.48	0.09
Band25	64QAM	10	26640	1#0	19.45	0.09
Band25	QPSK	15	26115	1#0	19.83	0.10
Band25	QPSK	15	26365	1#0	19.81	0.10
Band25	QPSK	15	26115	1#0	19.93	0.10
Band25	16QAM	15	26115	1#0	18.83	0.08
Band25	16QAM	15	26365	1#0	19.09	0.08

Band25	16QAM	15	26115	1#0	19.45	0.09
Band25	64QAM	15	26115	1#0	18.59	0.07
Band25	64QAM	15	26365	1#0	18.93	0.08
Band25	64QAM	15	26115	1#0	19.21	0.08
Band25	QPSK	20	26140	1#0	21.10	0.13
Band25	QPSK	20	26365	1#0	19.90	0.10
Band25	QPSK	20	26590	1#0	20.31	0.11
Band25	16QAM	20	26140	1#0	19.48	0.09
Band25	16QAM	20	26365	1#0	18.93	0.08
Band25	16QAM	20	26590	1#0	19.50	0.09
Band25	64QAM	20	26140	1#0	19.19	0.08
Band25	64QAM	20	26365	1#0	19.89	0.10
Band25	64QAM	20	26590	1#0	18.92	0.08

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1860	19.71	-3.8	8.6	14.91	Vertical
1882.5	18.61	-3.8	8.6	13.81	Vertical
1913.5	19.96	-3.8	8.6	15.16	Vertical

Test result:  
Channel 26140

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.18	-53.06	-13	Vertical
2779.78	-52.09	-13	Vertical
3728.16	-44.27	-13	Vertical
6676.85	-43.35	-13	Vertical
9964.46	-39.83	-13	Vertical
17821.79	-35.31	-13	Vertical

Channel 26365

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.26	-52.62	-13	Vertical
2778.55	-51.32	-13	Vertical
3728.28	-44.31	-13	Vertical
6676.31	-43.76	-13	Vertical
9963.73	-39.41	-13	Vertical
17823.40	-36.01	-13	Vertical

Channel 26675

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.13	-52.97	-13	Vertical
2780.31	-51.51	-13	Vertical
3730.01	-43.81	-13	Vertical
6676.99	-43.47	-13	Vertical
9965.23	-39.58	-13	Vertical
17823.06	-35.85	-13	Vertical

LTE band 41

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band41	QPSK	5	39675	1#0	24.29	0.27
Band41	QPSK	5	40620	1#0	23.52	0.22
Band41	QPSK	5	41565	1#0	23.43	0.22
Band41	16QAM	5	39675	1#0	23.08	0.20
Band41	16QAM	5	40620	1#0	22.95	0.20
Band41	16QAM	5	41565	1#0	23.52	0.22
Band41	64QAM	5	39675	1#0	22.70	0.19
Band41	64QAM	5	40620	1#0	22.91	0.20
Band41	64QAM	5	41565	1#0	23.40	0.22
Band41	QPSK	10	39700	1#0	24.54	0.28
Band41	QPSK	10	40620	1#0	23.61	0.23
Band41	QPSK	10	41540	1#0	23.91	0.25
Band41	16QAM	10	39700	1#0	22.69	0.19
Band41	16QAM	10	40620	1#0	23.05	0.20
Band41	16QAM	10	41540	1#0	23.05	0.20
Band41	64QAM	10	39700	1#0	22.56	0.18
Band41	64QAM	10	40620	1#0	22.84	0.19
Band41	64QAM	10	41540	1#0	21.83	0.15
Band41	QPSK	15	39725	1#0	23.50	0.22
Band41	QPSK	15	40620	1#0	23.54	0.23
Band41	QPSK	15	41515	1#0	24.70	0.29
Band41	16QAM	15	39725	1#0	22.37	0.17
Band41	16QAM	15	40620	1#0	23.59	0.23
Band41	16QAM	15	41515	1#0	22.89	0.19
Band41	64QAM	15	39725	1#0	23.40	0.22
Band41	64QAM	15	40620	1#0	22.51	0.18
Band41	64QAM	15	41515	1#0	22.82	0.19
Band41	QPSK	20	39750	1#0	24.03	0.25
Band41	QPSK	20	40620	1#0	23.82	0.24
Band41	QPSK	20	41490	1#0	23.78	0.24
Band41	16QAM	20	39750	1#0	23.64	0.23
Band41	16QAM	20	40620	1#0	24.05	0.25
Band41	16QAM	20	41490	1#0	23.51	0.22
Band41	64QAM	20	39750	1#0	23.82	0.24
Band41	64QAM	20	40620	1#0	22.93	0.20
Band41	64QAM	20	41490	1#0	23.04	0.20

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2545	22.13	-5	8.9	18.23	Vertical
2593	21.91	-5	8.9	18.01	Vertical
2645	21.91	-5	8.9	18.01	Vertical

Test result:

Channel 40140

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.08	-52.89	-25	Vertical
2780.66	-51.70	-25	Vertical
3730.10	-43.92	-25	Vertical
6678.53	-43.61	-25	Vertical
9961.35	-39.73	-25	Vertical
17823.86	-35.79	-25	Vertical

Channel 40620

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.18	-53.03	-25	Vertical
2778.27	-51.50	-25	Vertical
3728.11	-44.24	-25	Vertical
6676.08	-43.67	-25	Vertical
9964.11	-39.45	-25	Vertical
17822.95	-35.72	-25	Vertical

Channel 41140

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.65	-52.64	-25	Vertical
2780.91	-51.38	-25	Vertical
3729.32	-43.85	-25	Vertical
6679.03	-43.91	-25	Vertical
9962.21	-40.10	-25	Vertical
17821.56	-35.60	-25	Vertical

LTE band 66  
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band66	QPSK	1.4	131979	1#0	20.75	0.12
Band66	QPSK	1.4	132322	1#0	21.20	0.13
Band66	QPSK	1.4	132665	1#0	21.01	0.13
Band66	16QAM	1.4	131979	1#0	19.56	0.09
Band66	16QAM	1.4	132322	1#0	20.27	0.11
Band66	16QAM	1.4	132665	1#0	18.70	0.07
Band66	64QAM	1.4	131979	1#0	19.48	0.09
Band66	64QAM	1.4	132322	1#0	19.65	0.09
Band66	64QAM	1.4	132665	1#0	20.09	0.10
Band66	QPSK	3	131987	1#0	20.09	0.10
Band66	QPSK	3	132322	1#0	20.02	0.10
Band66	QPSK	3	132657	1#0	20.47	0.11
Band66	16QAM	3	131987	1#0	18.98	0.08
Band66	16QAM	3	132322	1#0	19.75	0.09
Band66	16QAM	3	132657	1#0	18.72	0.07
Band66	64QAM	3	131987	1#0	19.96	0.10
Band66	64QAM	3	132322	1#0	19.88	0.10
Band66	64QAM	3	132657	1#0	18.87	0.08
Band66	QPSK	5	131997	1#0	20.63	0.12
Band66	QPSK	5	132322	1#0	21.12	0.13
Band66	QPSK	5	132647	1#0	19.64	0.09
Band66	16QAM	5	131997	1#0	20.43	0.11
Band66	16QAM	5	132322	1#0	19.96	0.10
Band66	16QAM	5	132647	1#0	20.21	0.11
Band66	64QAM	5	131997	1#0	18.98	0.08
Band66	64QAM	5	132322	1#0	19.78	0.09
Band66	64QAM	5	132647	1#0	19.92	0.10
Band66	QPSK	10	132022	1#0	19.89	0.10
Band66	QPSK	10	132322	1#0	20.00	0.10
Band66	QPSK	10	132622	1#0	19.97	0.10
Band66	16QAM	10	132022	1#0	19.71	0.09
Band66	16QAM	10	132322	1#0	19.66	0.09
Band66	16QAM	10	132622	1#0	18.78	0.08
Band66	64QAM	10	132022	1#0	18.84	0.08
Band66	64QAM	10	132322	1#0	20.27	0.11
Band66	64QAM	10	132622	1#0	19.56	0.09
Band66	QPSK	15	132047	1#0	20.60	0.11
Band66	QPSK	15	132322	1#0	19.61	0.09
Band66	QPSK	15	132597	1#0	19.92	0.10
Band66	16QAM	15	132047	1#0	19.83	0.10
Band66	16QAM	15	132322	1#0	20.06	0.10



Band66	16QAM	15	132597	1#0	18.64	0.07
Band66	64QAM	15	132047	1#0	18.70	0.07
Band66	64QAM	15	132322	1#0	19.86	0.10
Band66	64QAM	15	132597	1#0	20.06	0.10
Band66	QPSK	20	132072	1#0	20.66	0.12
Band66	QPSK	20	132322	1#0	20.47	0.11
Band66	QPSK	20	132572	1#0	20.08	0.10
Band66	16QAM	20	132072	1#0	19.78	0.10
Band66	16QAM	20	132322	1#0	19.97	0.10
Band66	16QAM	20	132572	1#0	20.00	0.10
Band66	64QAM	20	132072	1#0	20.09	0.10
Band66	64QAM	20	132322	1#0	20.12	0.10
Band66	64QAM	20	132572	1#0	19.71	0.09

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1710.7	19.53	-3.8	8.6	14.73	Vertical
1745	20.19	-3.8	8.6	15.39	Vertical
1779.3	19.97	-3.8	8.6	15.17	Vertical

Test result:  
Channel 132072

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.63	-53.00	-13	Vertical
2779.07	-51.75	-13	Vertical
3730.30	-44.24	-13	Vertical
6680.03	-43.15	-13	Vertical
9962.59	-40.18	-13	Vertical
17823.13	-35.71	-13	Vertical

Channel 132322

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.54	-53.04	-13	Vertical
2779.44	-51.33	-13	Vertical
3727.52	-44.24	-13	Vertical
6677.68	-43.47	-13	Vertical
9963.51	-39.82	-13	Vertical
17822.41	-35.25	-13	Vertical

Channel 132572

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.85	-52.45	-13	Vertical
2781.70	-51.79	-13	Vertical
3728.63	-43.59	-13	Vertical
6676.34	-43.19	-13	Vertical
9963.03	-39.40	-13	Vertical
17823.04	-35.64	-13	Vertical

LTE band 71  
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band71	QPSK	5	133147	1#0	19.40	0.09
Band71	QPSK	5	133297	1#0	19.47	0.09
Band71	QPSK	5	133447	1#0	18.72	0.07
Band71	16QAM	5	133147	1#0	17.92	0.06
Band71	16QAM	5	133297	1#0	19.22	0.08
Band71	16QAM	5	133447	1#0	18.42	0.07
Band71	64QAM	5	133147	1#0	17.60	0.06
Band71	64QAM	5	133297	1#0	19.44	0.09
Band71	64QAM	5	133447	1#0	18.71	0.07
Band71	QPSK	10	133172	1#0	20.15	0.10
Band71	QPSK	10	133297	1#0	18.47	0.07
Band71	QPSK	10	133422	1#0	19.31	0.09
Band71	16QAM	10	133172	1#0	17.95	0.06
Band71	16QAM	10	133297	1#0	18.80	0.08
Band71	16QAM	10	133422	1#0	18.02	0.06
Band71	64QAM	10	133172	1#0	18.39	0.07
Band71	64QAM	10	133297	1#0	19.07	0.08
Band71	64QAM	10	133422	1#0	18.35	0.07
Band71	QPSK	15	133197	1#0	19.83	0.10
Band71	QPSK	15	133297	1#0	19.75	0.09
Band71	QPSK	15	133397	1#0	19.10	0.08
Band71	16QAM	15	133197	1#0	18.38	0.07
Band71	16QAM	15	133297	1#0	18.05	0.06
Band71	16QAM	15	133397	1#0	18.05	0.06
Band71	64QAM	15	133197	1#0	18.75	0.07
Band71	64QAM	15	133297	1#0	18.08	0.06
Band71	64QAM	15	133397	1#0	17.90	0.06
Band71	QPSK	20	133222	1#0	19.75	0.09
Band71	QPSK	20	133322	1#0	18.67	0.07
Band71	QPSK	20	133372	1#0	19.31	0.09
Band71	16QAM	20	133222	1#0	18.93	0.08
Band71	16QAM	20	133322	1#0	19.46	0.09
Band71	16QAM	20	133372	1#0	18.64	0.07
Band71	64QAM	20	133222	1#0	18.95	0.08
Band71	64QAM	20	133322	1#0	18.63	0.07
Band71	64QAM	20	133372	1#0	18.68	0.07

Frequency (MHz)	Peak ERP (dBm)	PcaCable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
665.5	21.62	-3.4	8.3	2.15	18.87	Vertical
680.5	21.81	-3.4	8.3	2.15	19.06	Vertical
695.5	21.38	-3.4	8.3	2.15	18.63	Vertical

Test result:

Channel 133147

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.55	-52.69	-13	Vertical
1665.94	-51.21	-13	Vertical
2534.20	-43.69	-13	Horizontal
2573.82	-43.08	-13	Vertical
8963.44	-39.27	-13	Horizontal
9970.56	-35.77	-13	Vertical

Channel 133297

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.39	-51.91	-13	Horizontal
1664.89	-51.79	-13	Vertical
2533.60	-43.53	-13	Vertical
2574.10	-43.33	-13	Vertical
8964.21	-39.50	-13	Vertical
9969.48	-35.88	-13	Vertical

Channel 133447

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.79	-52.42	-13	Vertical
1665.70	-52.01	-13	Horizontal
2534.76	-43.66	-13	Horizontal
2575.62	-42.92	-13	Vertical
8965.75	-39.88	-13	Vertical
9968.28	-36.11	-13	Vertical