

APPENDIX B – TEST DATA OF RADIATED EMISSION

The measurement results are obtained as described below:

Peak EIRP = P_{mea} + P_{ca} Cable loss+ G_a Antenna Gain

Sample calculation: (26.46 dBm) = (21.66 dBm) + (-3.8 dB) + (8.6 dB), the corresponding frequency is 1852.4MHz.

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	P _{mea} (dBm)	Polarization
1852.4	26.46	-3.8	8.6	21.66	Vertical

WCDMA band II

Test result:

WCDMA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	P _{mea} (dBm)	Polarization
1852.4	26.46	-3.8	8.6	21.66	Vertical
1880.0	26.04	-3.8	8.6	21.24	Vertical
1907.6	26.84	-3.8	8.6	22.04	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	P _{mea} (dBm)	Polarization
1852.4	26.15	-3.8	8.6	21.35	Vertical
1880.0	26.02	-3.8	8.6	21.22	Vertical
1907.6	25.94	-3.8	8.6	21.14	Vertical

HSPA+ Mode: (16QAM)

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	P _{mea} (dBm)	Polarization
1852.4	24.67	-3.8	8.6	19.87	Vertical
1880.0	24.90	-3.8	8.6	20.10	Vertical
1907.6	25.33	-3.8	8.6	20.53	Vertical

Test result:

WCDMA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.59	-49.11	-13	Vertical
2780.42	-47.36	-13	Vertical
3726.95	-41.27	-13	Vertical
6675.59	-39.55	-13	Vertical
9959.77	-37.15	-13	Vertical
17820.13	-34.29	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.72	-49.12	-13	Vertical
2779.29	-47.82	-13	Vertical
3725.25	-40.65	-13	Vertical
6678.31	-39.43	-13	Vertical
9961.68	-36.92	-13	Vertical
17820.66	-34.11	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.73	-49.27	-13	Vertical
2782.05	-47.01	-13	Vertical
3726.37	-41.07	-13	Vertical
6676.59	-39.55	-13	Vertical
9961.56	-36.90	-13	Vertical
17818.75	-34.33	-13	Vertical

HSDPA/HSUPA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.15	-49.46	-13	Vertical
2779.47	-47.37	-13	Vertical
3726.34	-40.65	-13	Vertical
6677.32	-40.09	-13	Vertical
9960.88	-37.51	-13	Vertical
17818.98	-34.05	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.68	-48.89	-13	Vertical
2779.39	-46.89	-13	Vertical
3727.79	-40.64	-13	Vertical
6675.42	-39.80	-13	Vertical
9961.70	-37.38	-13	Vertical
17820.58	-34.32	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.29	-49.14	-13	Vertical
2781.71	-46.97	-13	Vertical
3725.36	-40.77	-13	Vertical
6675.69	-39.37	-13	Vertical
9961.43	-36.84	-13	Vertical
17819.79	-34.07	-13	Vertical

HSPA+ Mode: (16QAM)
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.09	-49.37	-13	Vertical
2778.55	-47.50	-13	Vertical
3728.02	-41.08	-13	Vertical
6677.67	-39.18	-13	Vertical
9960.18	-37.14	-13	Vertical
17818.63	-33.57	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.35	-49.43	-13	Vertical
2780.46	-47.61	-13	Vertical
3728.27	-40.60	-13	Vertical
6675.46	-39.49	-13	Vertical
9960.46	-37.64	-13	Vertical
17821.52	-34.31	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.67	-48.64	-13	Vertical
2780.74	-47.55	-13	Vertical
3728.15	-41.35	-13	Vertical
6677.45	-39.71	-13	Vertical
9959.60	-37.48	-13	Vertical
17818.94	-33.96	-13	Vertical

WCDMA band IV

Test result:

WCDMA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.4	26.69	-3.8	8.6	21.89	Vertical
1732.4	26.45	-3.8	8.6	21.65	Vertical
1752.6	26.57	-3.8	8.6	21.77	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.4	25.44	-3.8	8.6	20.64	Vertical
1732.4	26.42	-3.8	8.6	21.62	Vertical
1752.6	26.00	-3.8	8.6	21.20	Vertical

HSPA+ Mode: (16QAM)

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.4	23.74	-3.8	8.6	18.94	Vertical
1732.4	23.36	-3.8	8.6	18.56	Vertical
1752.6	23.22	-3.8	8.6	18.42	Vertical

Test result:

WCDMA Mode:

Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.98	-49.33	-13	Vertical
2778.67	-47.23	-13	Vertical
3726.65	-40.80	-13	Vertical
6676.72	-39.75	-13	Vertical
9960.80	-36.86	-13	Vertical
17820.75	-33.53	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.03	-49.10	-13	Vertical
2776.87	-48.23	-13	Vertical
3729.85	-40.29	-13	Vertical
6678.61	-40.22	-13	Vertical
9961.47	-37.40	-13	Vertical
17822.16	-33.88	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.55	-48.99	-13	Vertical
2781.78	-47.43	-13	Vertical
3725.16	-41.01	-13	Vertical
6675.74	-39.35	-13	Vertical
9960.32	-37.53	-13	Vertical
17820.17	-33.68	-13	Vertical

HSDPA/HSUPA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.22	-48.55	-13	Vertical
2781.35	-47.03	-13	Vertical
3725.70	-40.87	-13	Vertical
6678.12	-39.71	-13	Vertical
9961.70	-37.73	-13	Vertical
17820.16	-33.69	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.88	-48.88	-13	Vertical
2781.38	-47.42	-13	Vertical
3727.39	-41.01	-13	Vertical
6675.75	-40.07	-13	Vertical
9961.90	-37.13	-13	Vertical
17820.44	-33.64	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.20	-48.48	-13	Vertical
2780.80	-47.52	-13	Vertical
3726.12	-41.29	-13	Vertical
6675.37	-39.61	-13	Vertical
9960.47	-37.07	-13	Vertical
17822.16	-34.20	-13	Vertical

HSPA+ Mode: (16QAM)
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.66	-49.14	-13	Vertical
2781.42	-46.92	-13	Vertical
3726.93	-40.41	-13	Vertical
6676.67	-39.62	-13	Vertical
9959.57	-36.88	-13	Vertical
17821.46	-33.99	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.67	-48.99	-13	Vertical
2781.02	-47.25	-13	Vertical
3727.21	-40.47	-13	Vertical
6675.85	-40.08	-13	Vertical
9963.29	-37.13	-13	Vertical
17819.94	-33.53	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.85	-48.68	-13	Vertical
2779.75	-47.63	-13	Vertical
3727.35	-40.69	-13	Vertical
6675.62	-39.65	-13	Vertical
9960.88	-36.95	-13	Vertical
17820.82	-34.13	-13	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Frequency (MHz)	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
826.4	24.36	-3.4	8.3	2.15	21.61	Vertical
836.6	24.10	-3.4	8.3	2.15	21.35	Vertical
846.6	25.01	-3.4	8.3	2.15	22.26	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
826.4	24.75	-3.4	8.3	2.15	22.00	Vertical
836.6	24.46	-3.4	8.3	2.15	21.71	Vertical
846.6	23.95	-3.4	8.3	2.15	21.20	Vertical

HSPA+ Mode: (16QAM)

Frequency (MHz)	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
826.4	23.48	-3.4	8.3	2.15	20.73	Vertical
836.6	23.68	-3.4	8.3	2.15	20.93	Vertical
846.6	23.06	-3.4	8.3	2.15	20.31	Vertical

Test result:
WCDMA Mode:

Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.58	-53.40	-13	Vertical
1665.04	-51.32	-13	Vertical
2534.48	-44.44	-13	Vertical
2575.86	-44.34	-13	Vertical
8962.39	-39.53	-13	Vertical
9971.22	-36.30	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.03	-52.94	-13	Vertical
1668.57	-51.17	-13	Vertical
2536.11	-44.33	-13	Vertical
2575.80	-43.96	-13	Vertical
8963.66	-39.14	-13	Vertical
9971.12	-36.17	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.53	-52.81	-13	Vertical
1665.27	-50.87	-13	Vertical
2534.13	-44.49	-13	Vertical
2576.68	-44.15	-13	Vertical
8963.92	-39.42	-13	Vertical
9973.19	-36.43	-13	Vertical

HSDPA/HSUPA Mode:

Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.39	-52.80	-13	Vertical
1665.24	-51.10	-13	Vertical
2533.60	-44.53	-13	Vertical
2578.28	-44.27	-13	Vertical
8962.02	-39.69	-13	Vertical
9972.92	-36.74	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.68	-53.01	-13	Vertical
1664.78	-51.23	-13	Vertical
2536.15	-44.00	-13	Vertical
2575.39	-44.46	-13	Vertical
8964.19	-39.50	-13	Vertical
9970.61	-36.73	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.39	-53.26	-13	Vertical
1666.90	-51.01	-13	Vertical
2535.34	-44.58	-13	Vertical
2576.72	-44.00	-13	Vertical
8962.13	-39.79	-13	Vertical
9970.41	-36.51	-13	Vertical

HSPA+ Mode: (16QAM)
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.45	-52.95	-13	Vertical
1667.15	-51.59	-13	Vertical
2535.83	-44.53	-13	Vertical
2578.94	-44.13	-13	Vertical
8963.92	-39.23	-13	Vertical
9973.38	-36.23	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.31	-52.59	-13	Vertical
1668.22	-51.60	-13	Vertical
2534.73	-44.26	-13	Vertical
2577.55	-43.93	-13	Vertical
8962.31	-40.01	-13	Vertical
9973.61	-36.77	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.58	-52.62	-13	Vertical
1668.21	-50.94	-13	Vertical
2535.85	-44.47	-13	Vertical
2577.70	-44.21	-13	Vertical
8961.21	-39.07	-13	Vertical
9970.40	-36.06	-13	Vertical

---End of Test Report---