

WCDMA band V

WCDMA Mode:

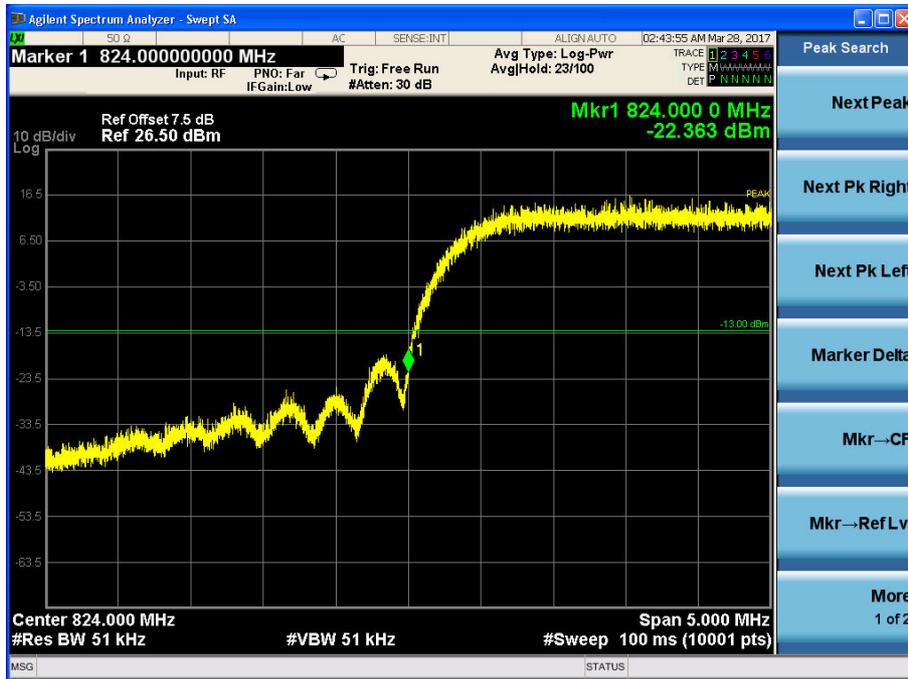


Channel 4132

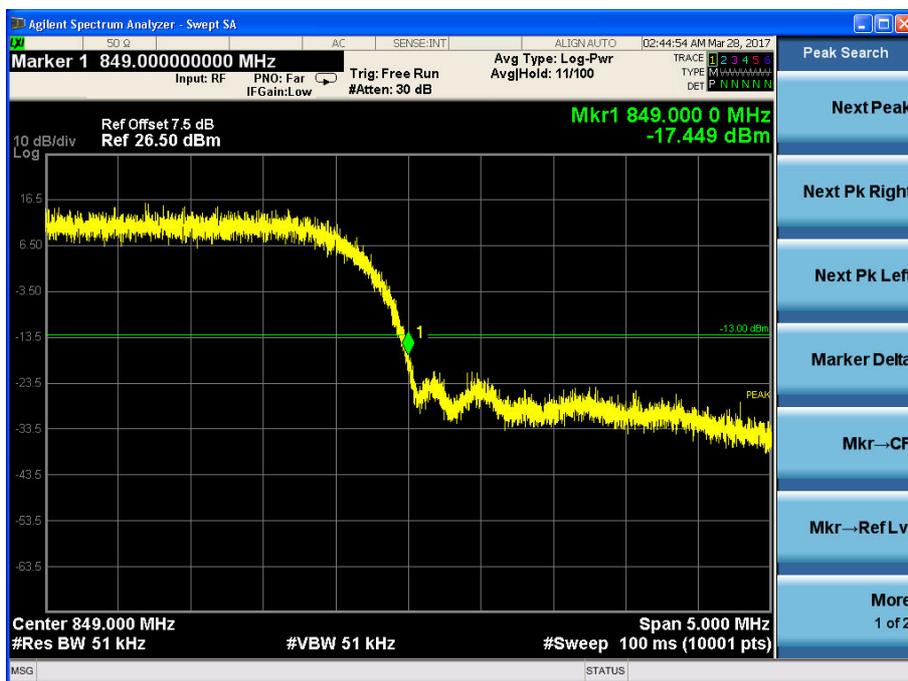


Channel 4233

HSDPA/HSUPA Mode:



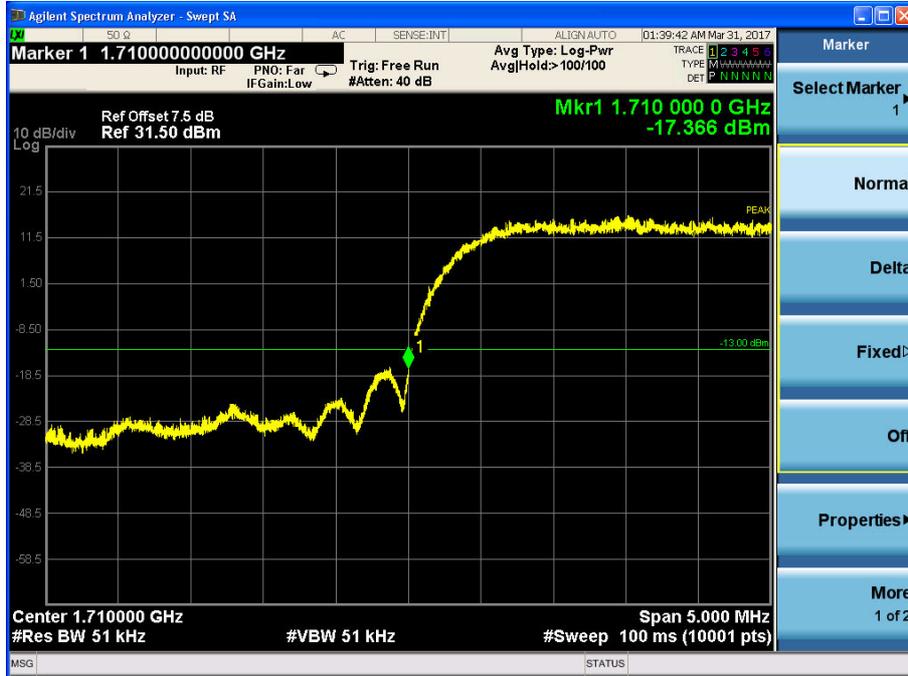
Channel 4132



Channel 4233

WCDMA band IV

WCDMA Mode:



Channel 1312



Channel 1513

HSDPA/HSUPA Mode:



Channel 1312



Channel 1513

Frequency Stability-FCC Part2.1055/24.235

WCDMA band II

WCDMA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 9262	Channel 9400	Channel 9538
-30	0.001	0.003	0.001
-20	0.002	0.001	0.003
-10	0.004	0.004	0.002
0	0.001	0.002	0.003
+10	0.004	0.001	0.003
+20	0.002	0.005	0.003
+30	0.002	0.003	0.002
+40	0.001	0.003	0.004
+50	0.003	0.002	0.002

Voltage	Test Result (ppm)@NT		
	Channel 9262	Channel 9400	Channel 9538
LV	0.001	0.001	0.003
HV	0.002	0.002	0.006

HSDPA/HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 9262	Channel 9400	Channel 9538
-30	0.002	0.002	0.003
-20	0.003	0.002	0.002
-10	0.002	0.003	0.002
0	0.002	0.002	0.002
+10	0.001	0.002	0.002
+20	0.001	0.002	0.001
+30	0.002	0.003	0.004
+40	0.003	0.005	0.003
+50	0.002	0.002	0.004

Voltage	Test Result (ppm)NT		
	Channel 9262	Channel 9400	Channel 9538
LV	0.001	0.003	0.003
HV	0.001	0.002	0.004

WCDMA band V

WCDMA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-30	0.001	0.002	0.002
-20	0.002	0.001	0.003
-10	0.003	0.003	0.001
0	0.002	0.002	0.002
+10	0.002	0.002	0.002
+20	0.004	0.003	0.001
+30	0.003	0.002	0.002
+40	0.002	0.004	0.005
+50	0.002	0.002	0.002

Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	0.001	0.003	0.002
HV	0.002	0.001	0.002

HSDPA/HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-30	0.002	0.004	0.001
-20	0.001	0.001	0.001
-10	0.004	0.003	0.003
0	0.001	0.004	0.004
+10	0.003	0.003	0.003
+20	0.004	0.002	0.004
+30	0.001	0.001	0.001
+40	0.002	0.004	0.006
+50	0.006	0.001	0.002

Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	0.002	0.005	0.005
HV	0.002	0.008	0.006

WCDMA band IV

WCDMA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 1312	Channel 1412	Channel 1513
-30	0.001	0.002	0.002
-20	0.002	0.001	0.003
-10	0.003	0.002	0.001
0	0.002	0.003	0.002
+10	0.002	0.002	0.003
+20	0.004	0.003	0.002
+30	0.003	0.002	0.002
+40	0.002	0.004	0.005
+50	0.002	0.002	0.002

Voltage	Test Result (ppm)@NT		
	Channel 1312	Channel 1412	Channel 1513
LV	0.001	0.002	0.002
HV	0.002	0.003	0.002

HSDPA/HSUPA Mode:

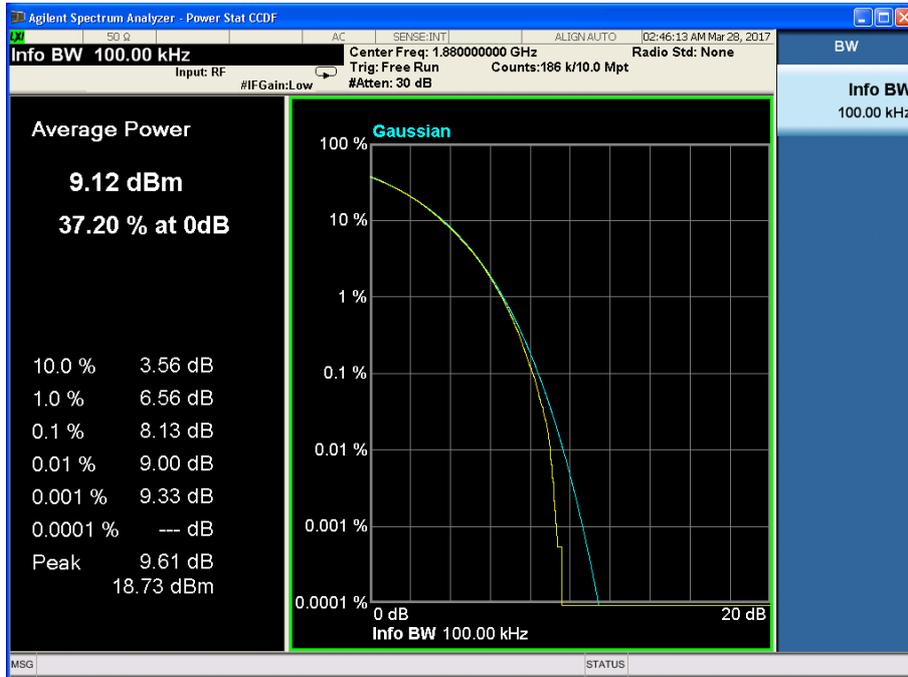
Temperature(°C)	Test Result (ppm)@NV		
	Channel 1312	Channel 1412	Channel 1513
-30	0.002	0.004	0.002
-20	0.003	0.002	0.003
-10	0.002	0.003	0.003
0	0.002	0.002	0.004
+10	0.003	0.002	0.002
+20	0.004	0.002	0.003
+30	0.001	0.001	0.001
+40	0.002	0.004	0.006
+50	0.006	0.001	0.002

Voltage	Test Result (ppm)@NT		
	Channel 1312	Channel 1412	Channel 1513
LV	0.002	0.002	0.005
HV	0.002	0.003	0.006

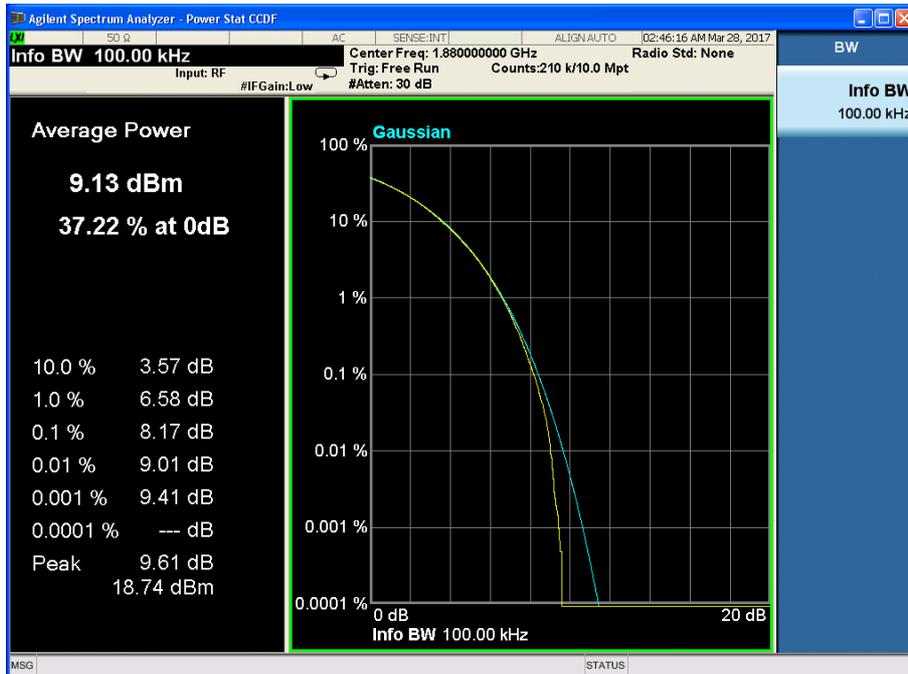
Peak-Average Ratio -FCC Part 24.232(d)

WCDMA band II

WCDMA Mode:

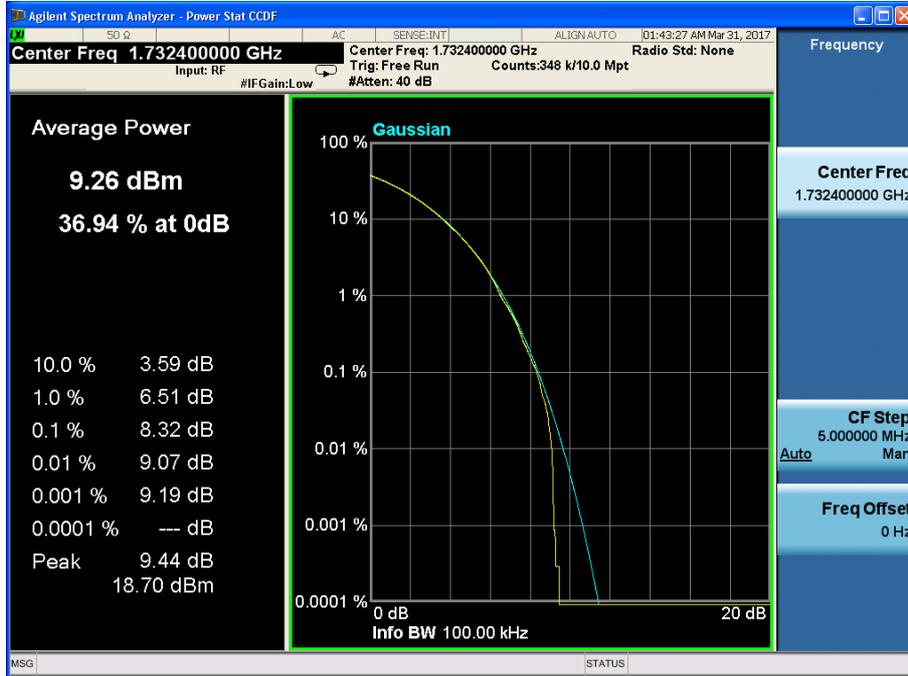


HSDPA/HSUPA Mode:

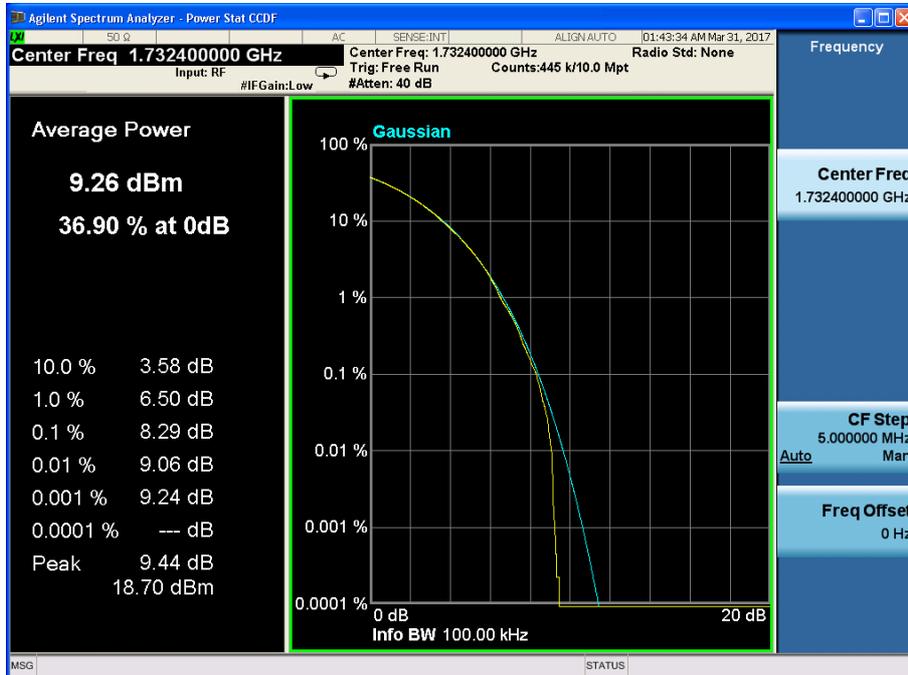


WCDMA band IV

WCDMA Mode:



HSDPA/HSUPA Mode:



APPENDIX B – TEST DATA OF RADIATED EMISSION

Effective Isotropic Radiated Power-FCC Part24.232(b)

WCDMA band II

WCDMA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1852.4	22.67	-4.8	8.6	18.87	Vertical
1880.0	22.06	-4.8	8.6	18.26	Vertical
1907.6	22.71	-4.8	8.6	18.91	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1852.4	20.10	-4.8	8.6	16.30	Vertical
1880.0	20.80	-4.8	8.6	17.00	Vertical
1907.6	20.36	-4.8	8.6	16.56	Vertical

WCDMA band IV

WCDMA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.4	22.06	-4.8	8.6	17.26	Vertical
1732.4	22.78	-4.8	8.6	17.98	Vertical
1752.6	22.24	-4.8	8.6	17.44	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.4	21.05	-4.8	8.6	16.25	Vertical
1732.4	21.09	-4.8	8.6	16.29	Vertical
1752.6	20.50	-4.8	8.6	15.70	Vertical

WCDMA band V

WCDMA Mode:

Frequency (MHz)	Peak ERP (dBm)	Pca Cable loss (dB)	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
826.4	22.58	-3.8	8.6	17.78	Vertical
836.6	22.51	-3.8	8.6	17.71	Vertical
846.6	20.94	-3.8	8.6	16.14	Vertical

HSDPA/HSUPA Mode:

Frequency (MHz)	Peak ERP (dBm)	Pca Cable loss (dB)	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
826.4	21.65	-3.8	8.6	16.85	Vertical
836.6	21.00	-3.8	8.6	16.20	Vertical
846.6	20.55	-3.8	8.6	15.75	Vertical

Radiated Spurious Emissions-FCC Part2.1053/24.238

WCDMA band II

WCDMA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.80	-52.95	-13	Vertical
2781.00	-51.62	-13	Vertical
3729.79	-44.16	-13	Horizontal
6676.59	-43.36	-13	Horizontal
9963.75	-40.10	-13	Vertical
17821.18	-35.73	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2451.13	-52.07	-13	Vertical
2779.87	-51.99	-13	Vertical
3729.77	-43.29	-13	Horizontal
6678.79	-43.42	-13	Vertical
9960.26	-40.23	-13	Vertical
17823.15	-35.89	-13	Horizontal

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.15	-51.90	-13	Vertical
2780.95	-51.14	-13	Vertical
3726.15	-44.45	-13	Horizontal
6676.68	-43.98	-13	Vertical
9964.56	-39.91	-13	Horizontal
17820.70	-35.99	-13	Vertical

HSDPA/HSUPA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.23	-53.66	-13	Vertical
2781.99	-51.81	-13	Vertical
3731.47	-43.03	-13	Vertical
6677.17	-43.02	-13	Horizontal
9965.13	-40.15	-13	Vertical
17820.56	-35.67	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.44	-52.82	-13	Vertical
2777.04	-52.40	-13	Horizontal
3732.57	-43.29	-13	Vertical
6680.17	-43.02	-13	Vertical
9963.23	-40.18	-13	Horizontal
17820.22	-36.06	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2451.31	-52.17	-13	Vertical
2779.10	-51.67	-13	Horizontal
3729.01	-43.69	-13	Vertical
6679.04	-43.12	-13	Vertical
9965.63	-39.40	-13	Horizontal
17820.49	-36.32	-13	Vertical

WCDMA band IV

WCDMA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.67	-52.58	-13	Vertical
2781.50	-52.49	-13	Vertical
3730.81	-44.09	-13	Vertical
6681.18	-43.24	-13	Vertical
9964.40	-39.93	-13	Horizontal
17823.57	-36.53	-13	Horizontal

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.07	-52.85	-13	Vertical
2779.66	-51.92	-13	Vertical
3729.28	-43.01	-13	Vertical
6678.47	-43.16	-13	Vertical
9961.59	-39.16	-13	Vertical
17823.37	-36.06	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.53	-52.91	-13	Vertical
2781.40	-51.93	-13	Vertical
3728.17	-43.11	-13	Vertical
6678.99	-42.62	-13	Vertical
9964.37	-39.98	-13	Vertical
17822.51	-35.99	-13	Vertical

HSDPA/HSUPA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.03	-53.11	-13	Vertical
2778.14	-51.77	-13	Vertical
3731.87	-44.63	-13	Vertical
6676.69	-43.05	-13	Horizontal
9963.11	-40.68	-13	Vertical
17822.25	-35.61	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.54	-52.95	-13	Horizontal
2779.76	-51.33	-13	Vertical
3728.61	-43.30	-13	Vertical
6676.38	-43.54	-13	Vertical
9965.48	-40.65	-13	Vertical
17820.74	-35.92	-13	Horizontal

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2452.98	-52.67	-13	Horizontal
2781.91	-51.51	-13	Vertical
3728.28	-44.18	-13	Horizontal
6677.67	-43.21	-13	Vertical
9961.72	-39.62	-13	Horizontal
17825.45	-36.17	-13	Vertical

WCDMA band V

WCDMA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.01	-52.59	-13	Vertical
2779.94	-52.56	-13	Horizontal
3728.75	-43.37	-13	Vertical
6678.84	-43.61	-13	Vertical
9966.37	-40.51	-13	Horizontal
17821.11	-36.52	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.31	-52.59	-13	Horizontal
2780.45	-51.51	-13	Vertical
3726.06	-43.11	-13	Vertical
6678.34	-43.49	-13	Vertical
9963.30	-39.84	-13	Vertical
17824.99	-35.93	-13	Horizontal

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.25	-53.17	-13	Vertical
2781.41	-51.38	-13	Vertical
3727.45	-43.29	-13	Vertical
6681.09	-42.92	-13	Vertical
9963.66	-39.48	-13	Vertical
17824.22	-35.68	-13	Vertical

HSDPA/HSUPA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.53	-52.84	-13	Vertical
2780.59	-51.02	-13	Vertical
3729.28	-44.10	-13	Horizontal
6676.56	-43.13	-13	Horizontal
9964.53	-40.82	-13	Vertical
17824.32	-36.26	-13	Vertical

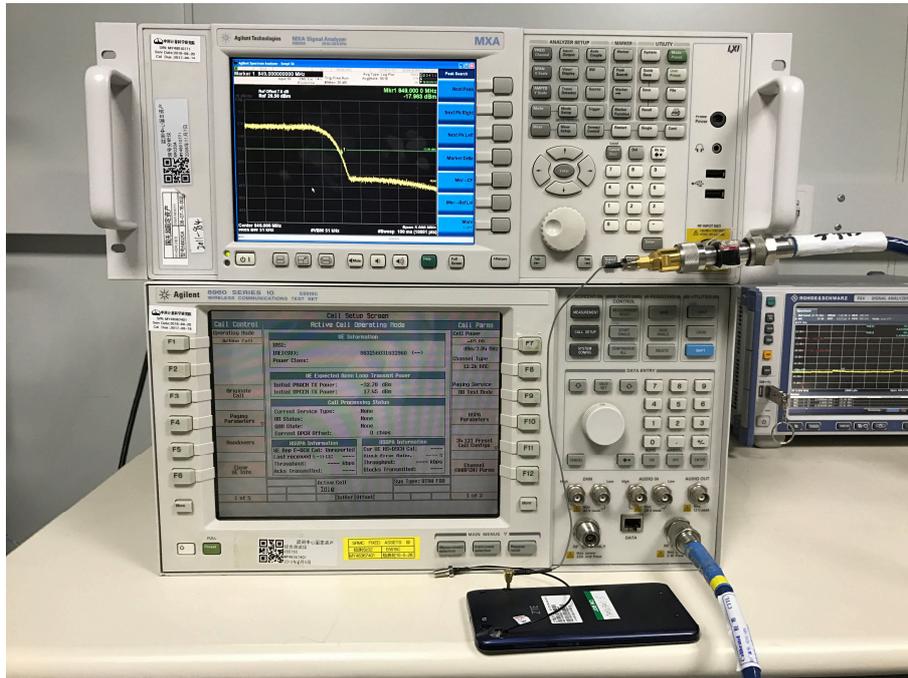
Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.57	-53.30	-13	Vertical
2781.21	-51.92	-13	Vertical
3730.61	-42.99	-13	Vertical
6676.08	-43.98	-13	Horizontal
9963.49	-40.62	-13	Vertical
17821.67	-35.88	-13	Horizontal

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.44	-52.67	-13	Vertical
2781.47	-51.47	-13	Vertical
3727.52	-43.48	-13	Vertical
6676.37	-43.51	-13	Horizontal
9961.07	-39.84	-13	Horizontal
17825.61	-35.67	-13	Vertical

Appendix C Test Setup



Spurious RF Conducted Emissions Test setup



Radiated Spurious Emissions Test setup