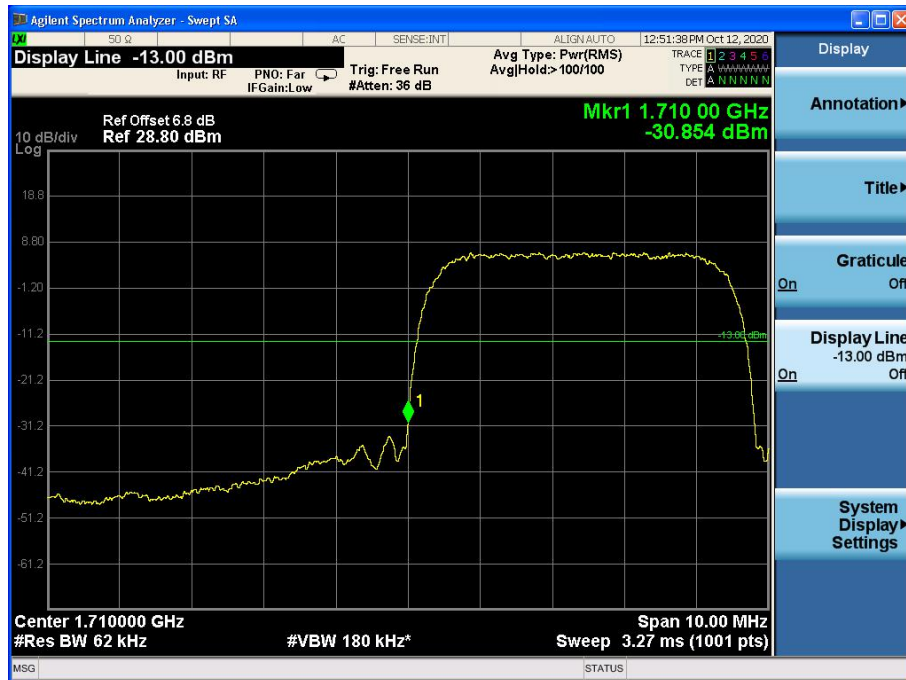


WCDMA band IV

REL99 Mode:

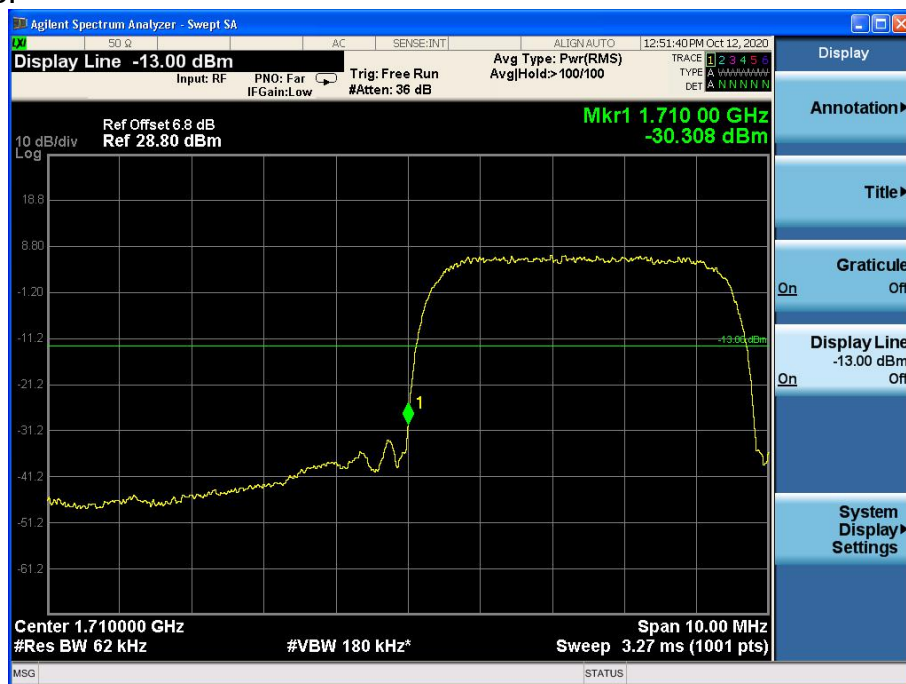


Channel 1312



Channel 1513

HSUPA Mode:



Channel 1312



Channel 1513

Frequency Stability

WCDMA band II
REL99 Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 9262	Channel 9400	Channel 9538
-10	-0.068	0.025	0.064
0	-0.088	-0.007	0.088
+10	-0.039	0.041	-0.033
+20	0.000	0.000	0.000
+30	-0.064	-0.072	0.059
+40	0.062	0.038	0.057
+50	-0.086	-0.069	-0.058
+55	0.096	-0.005	-0.033
Voltage	Test Result (ppm)@NT		
	Channel 9262	Channel 9400	Channel 9538
LV	-0.033	0.047	0.078
HV	0.033	0.065	0.007

HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 9262	Channel 9400	Channel 9538
-10	-0.077	0.049	-0.075
0	0.026	-0.085	-0.032
+10	-0.052	0.007	-0.037
+20	0.000	0.000	0.000
+30	-0.036	0.061	0.094
+40	0.095	-0.079	0.096
+50	-0.045	0.056	-0.089
+55	0.035	-0.094	-0.061
Voltage	Test Result (ppm)NT		
	Channel 9262	Channel 9400	Channel 9538
LV	0.050	0.005	-0.012
HV	-0.006	0.075	0.055

WCDMA band V

REL99 Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-10	-0.027	-0.003	-0.027
0	-0.084	0.077	-0.075
+10	0.084	-0.026	-0.025
+20	0.000	0.000	0.000
+30	0.078	0.020	-0.008
+40	-0.067	-0.062	-0.036
+50	-0.053	-0.034	-0.025
+55	0.000	0.020	-0.038
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	-0.023	0.082	-0.032
HV	-0.019	-0.073	0.020

HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-10	0.045	0.052	0.086
0	0.073	-0.057	0.059
+10	-0.039	-0.099	0.059
+20	0.000	0.000	0.000
+30	-0.061	-0.015	0.086
+40	-0.020	-0.019	0.022
+50	-0.003	0.067	0.050
+55	-0.018	0.031	0.069
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	-0.062	0.017	0.082
HV	0.030	-0.016	0.100

WCDMA band IV

REL99 Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 1312	Channel 1412	Channel 1513
-10	0.089	0.064	0.000
0	-0.054	0.001	-0.084
+10	0.080	-0.090	0.093
+20	0.000	0.000	0.000
+30	-0.022	0.078	0.069
+40	0.023	-0.008	-0.003
+50	-0.018	-0.094	0.091
+55	-0.010	0.032	-0.085
Voltage	Test Result (ppm)@NT		
	Channel 1312	Channel 1412	Channel 1513
LV	-0.063	-0.090	0.098
HV	-0.074	-0.001	-0.074

HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 1312	Channel 1412	Channel 1513
-10	-0.082	0.043	0.023
0	-0.061	-0.030	0.097
+10	-0.095	-0.036	0.011
+20	0.000	0.000	0.000
+30	0.041	-0.065	-0.074
+40	-0.051	0.099	-0.088
+50	0.066	-0.053	0.074
+55	-0.053	-0.098	-0.012
Voltage	Test Result (ppm)@NT		
	Channel 1312	Channel 1412	Channel 1513
LV	-0.032	0.089	-0.086
HV	-0.039	-0.098	0.059

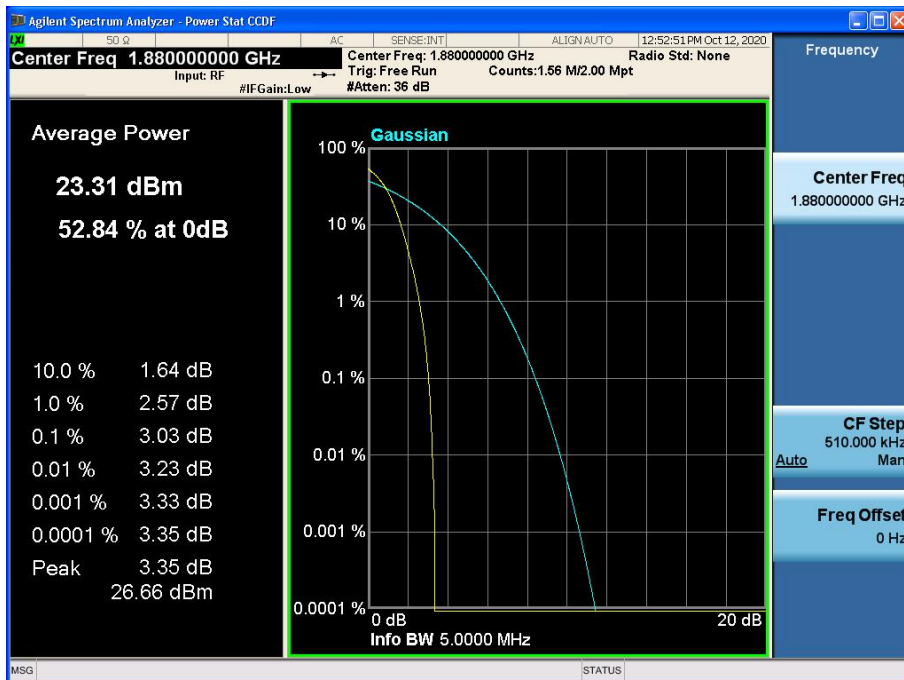
Peak-Average Ratio

WCDMA band II

REL99 Mode:

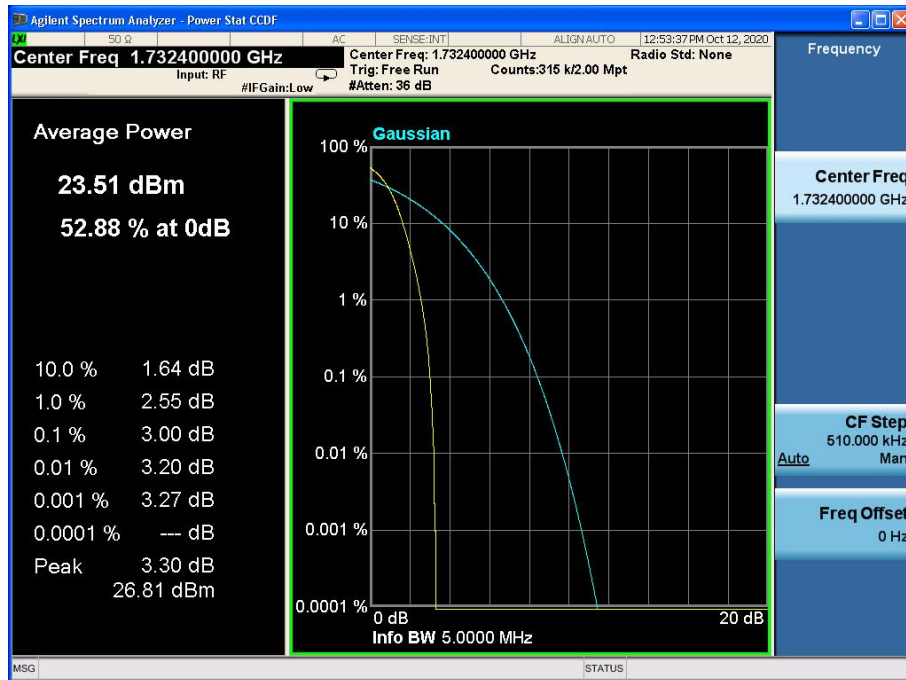


HSUPA Mode:



WCDMA band IV

REL99 Mode:

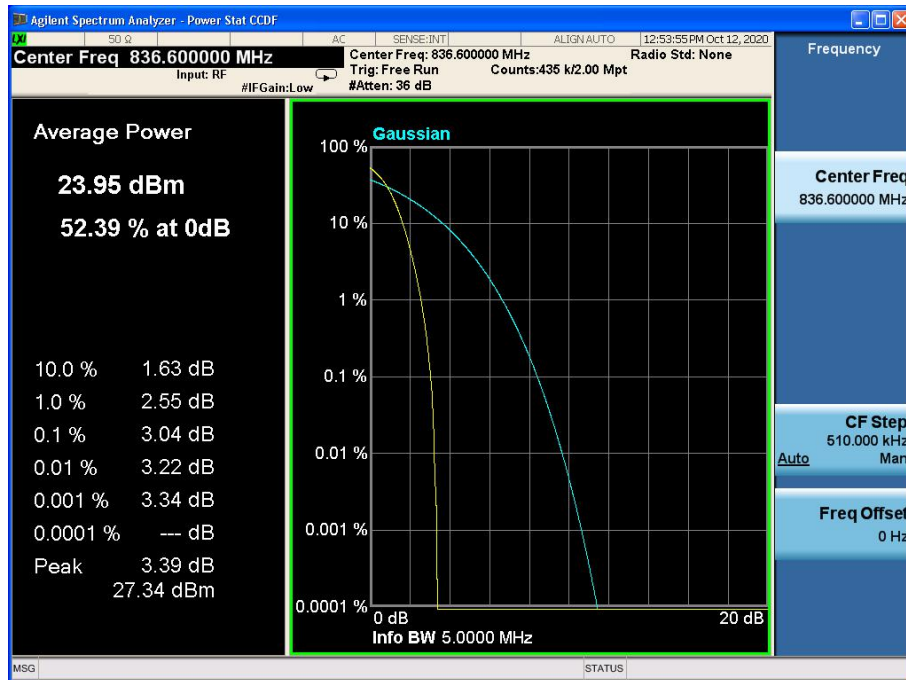


HSUPA Mode:



WCDMA band V

REL99 Mode:



HSUPA Mode:



APPENDIX B – TEST DATA OF RADIATED EMISSION

Effective Radiated Power and Effective Isotropic Radiated Power
WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	EIRP/ ERP (dBm)	EIRP/ ERP (W)
Release 99	RMC, 12.2kbps	1852.4	9262	23.86	22.16	0.164
		1880.0	9400	23.88	22.18	0.165
		1907.6	9538	23.93	22.23	0.167
HSDPA	Subtest 1	1852.4	9262	22.28	20.58	0.114
		1880.0	9400	22.34	20.64	0.116
		1907.6	9538	22.35	20.65	0.116
	Subtest 2	1852.4	9262	22.32	20.62	0.115
		1880.0	9400	22.35	20.65	0.116
		1907.6	9538	22.37	20.67	0.117
	Subtest 3	1852.4	9262	22.28	20.58	0.114
		1880.0	9400	22.36	20.66	0.116
		1907.6	9538	22.39	20.69	0.117
	Subtest 4	1852.4	9262	22.31	20.61	0.115
		1880.0	9400	22.32	20.62	0.115
		1907.6	9538	22.39	20.69	0.117
HSUPA	Subtest 1	1852.4	9262	22.29	20.59	0.115
		1880.0	9400	22.35	20.65	0.116
		1907.6	9538	22.37	20.67	0.117
	Subtest 2	1852.4	9262	22.31	20.61	0.115
		1880.0	9400	22.32	20.62	0.115
		1907.6	9538	22.36	20.66	0.116
	Subtest 3	1852.4	9262	22.27	20.57	0.114
		1880.0	9400	22.37	20.67	0.117
		1907.6	9538	22.41	20.71	0.118
	Subtest 4	1852.4	9262	22.28	20.58	0.114
		1880.0	9400	22.36	20.66	0.116
		1907.6	9538	22.35	20.65	0.116
	Subtest 5	1852.4	9262	22.26	20.56	0.114
		1880.0	9400	22.38	20.68	0.117
		1907.6	9538	22.37	20.67	0.117

WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	EIRP/ ERP (dBm)	EIRP/ ERP (W)
Release 99	RMC,12.2kbps	826.4	4132	24.12	19.87	0.097
		836.6	4183	24.18	19.93	0.098
		846.6	4233	24.13	19.88	0.097
HSDPA	Subtest 1	826.4	4132	22.56	18.31	0.068
		836.6	4183	22.65	18.40	0.069
		846.6	4233	22.63	18.38	0.069
	Subtest 2	826.4	4132	22.60	18.35	0.068
		836.6	4183	22.68	18.43	0.070
		846.6	4233	22.61	18.36	0.069
	Subtest 3	826.4	4132	22.58	18.33	0.068
		836.6	4183	22.61	18.36	0.069
		846.6	4233	22.54	18.29	0.067
	Subtest 4	826.4	4132	22.61	18.36	0.069
		836.6	4183	22.65	18.40	0.069
		846.6	4233	22.53	18.28	0.067
HSUPA	Subtest 1	826.4	4132	22.57	18.32	0.068
		836.6	4183	22.58	18.33	0.068
		846.6	4233	22.59	18.34	0.068
	Subtest 2	826.4	4132	22.59	18.34	0.068
		836.6	4183	22.61	18.36	0.069
		846.6	4233	22.62	18.37	0.069
	Subtest 3	826.4	4132	22.58	18.33	0.068
		836.6	4183	22.63	18.38	0.069
		846.6	4233	22.61	18.36	0.069
	Subtest 4	826.4	4132	22.59	18.34	0.068
		836.6	4183	22.58	18.33	0.068
		846.6	4233	22.58	18.33	0.068
	Subtest 5	826.4	4132	22.54	18.29	0.067
		836.6	4183	22.58	18.33	0.068
		846.6	4233	22.53	18.28	0.067

WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	EIRP/ ERP (dBm)	EIRP/ ERP (W)
Release 99	RMC,12.2kbps	1712.4	1312	23.94	24.74	0.298
		1732.4	1412	23.90	24.70	0.295
		1752.6	1513	23.94	24.74	0.298
HSDPA	Subtest 1	1712.4	1312	22.37	23.17	0.207
		1732.4	1412	22.31	23.11	0.205
		1752.6	1513	22.36	23.16	0.207
	Subtest 2	1712.4	1312	22.42	23.22	0.210
		1732.4	1412	22.38	23.18	0.208
		1752.6	1513	22.37	23.17	0.207
	Subtest 3	1712.4	1312	22.43	23.23	0.210
		1732.4	1412	22.31	23.11	0.205
		1752.6	1513	22.44	23.24	0.211
	Subtest 4	1712.4	1312	22.40	23.20	0.209
		1732.4	1412	22.37	23.17	0.207
		1752.6	1513	22.39	23.19	0.208
HSUPA	Subtest 1	1712.4	1312	22.43	23.23	0.210
		1732.4	1412	22.39	23.19	0.208
		1752.6	1513	22.41	23.21	0.209
	Subtest 2	1712.4	1312	22.34	23.14	0.206
		1732.4	1412	22.38	23.18	0.208
		1752.6	1513	22.35	23.15	0.207
	Subtest 3	1712.4	1312	22.41	23.21	0.209
		1732.4	1412	22.40	23.20	0.209
		1752.6	1513	22.38	23.18	0.208
	Subtest 4	1712.4	1312	22.42	23.22	0.210
		1732.4	1412	22.30	23.10	0.204
		1752.6	1513	22.42	23.22	0.210
	Subtest 5	1712.4	1312	22.39	23.19	0.208
		1732.4	1412	22.33	23.13	0.206
		1752.6	1513	22.36	23.16	0.207

Radiated Spurious Emissions

WCDMA band II

Test result:

WCDMA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.71	-48.63	-13	Vertical
2779.88	-47.39	-13	Vertical
3725.13	-41.06	-13	Vertical
6677.15	-39.24	-13	Vertical
9961.54	-37.55	-13	Vertical
17818.80	-33.72	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.48	-49.31	-13	Vertical
2778.45	-47.61	-13	Vertical
3726.57	-40.67	-13	Vertical
6678.67	-40.12	-13	Vertical
9959.66	-37.31	-13	Vertical
17819.02	-34.39	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.76	-49.46	-13	Vertical
2781.94	-47.14	-13	Vertical
3724.49	-41.07	-13	Vertical
6675.26	-39.36	-13	Vertical
9959.49	-37.74	-13	Vertical
17819.12	-33.69	-13	Vertical

HSDPA/HSUPA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.91	-48.93	-13	Vertical
2780.80	-47.24	-13	Vertical
3725.27	-40.74	-13	Vertical
6677.08	-39.71	-13	Vertical
9959.46	-36.84	-13	Vertical
17819.64	-33.95	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.25	-48.50	-13	Vertical
2779.80	-47.05	-13	Vertical
3726.67	-40.60	-13	Vertical
6678.01	-40.05	-13	Vertical
9962.18	-37.30	-13	Vertical
17820.01	-33.92	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.60	-49.30	-13	Vertical
2781.39	-47.78	-13	Vertical
3724.75	-40.94	-13	Vertical
6677.03	-39.79	-13	Vertical
9960.30	-37.43	-13	Vertical
17818.43	-34.37	-13	Vertical

WCDMA band IV

Test result:

WCDMA Mode:

Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.97	-48.75	-13	Vertical
2782.07	-47.61	-13	Vertical
3725.51	-41.08	-13	Vertical
6676.41	-40.10	-13	Vertical
9959.72	-37.13	-13	Vertical
17821.77	-34.32	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.85	-48.51	-13	Vertical
2781.02	-47.40	-13	Vertical
3728.18	-40.79	-13	Vertical
6676.59	-39.74	-13	Vertical
9962.00	-37.08	-13	Vertical
17818.41	-33.68	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.21	-48.55	-13	Vertical
2779.79	-47.16	-13	Vertical
3726.41	-40.37	-13	Vertical
6677.56	-39.63	-13	Vertical
9963.30	-37.27	-13	Vertical
17821.62	-34.01	-13	Vertical

HSDPA/HSUPA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.84	-49.16	-13	Vertical
2778.58	-47.28	-13	Vertical
3727.51	-41.17	-13	Vertical
6677.64	-39.38	-13	Vertical
9961.19	-37.42	-13	Vertical
17820.57	-34.20	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.30	-49.45	-13	Vertical
2779.80	-47.11	-13	Vertical
3724.77	-41.10	-13	Vertical
6677.17	-39.20	-13	Vertical
9960.04	-37.11	-13	Vertical
17821.36	-33.61	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.85	-48.81	-13	Vertical
2779.06	-47.21	-13	Vertical
3724.97	-40.85	-13	Vertical
6675.61	-39.19	-13	Vertical
9959.51	-37.65	-13	Vertical
17821.68	-34.17	-13	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.84	-52.94	-13	Vertical
1665.43	-51.71	-13	Vertical
2535.44	-44.50	-13	Vertical
2575.27	-44.21	-13	Vertical
8964.58	-39.46	-13	Vertical
9970.05	-35.98	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.51	-52.98	-13	Vertical
1666.66	-50.99	-13	Vertical
2532.58	-44.63	-13	Vertical
2579.20	-44.20	-13	Vertical
8961.19	-39.95	-13	Vertical
9971.87	-35.88	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.16	-53.01	-13	Vertical
1668.06	-51.56	-13	Vertical
2532.48	-44.74	-13	Vertical
2575.91	-43.94	-13	Vertical
8962.93	-39.68	-13	Vertical
9970.99	-35.89	-13	Vertical

HSDPA/HSUPA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.75	-53.01	-13	Vertical
1668.15	-50.78	-13	Vertical
2532.82	-44.18	-13	Vertical
2577.88	-44.12	-13	Vertical
8962.43	-39.29	-13	Vertical
9973.09	-36.01	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.93	-53.21	-13	Vertical
1668.35	-50.82	-13	Vertical
2535.01	-44.25	-13	Vertical
2575.56	-44.28	-13	Vertical
8964.38	-39.45	-13	Vertical
9972.38	-36.30	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.85	-53.33	-13	Vertical
1664.98	-50.92	-13	Vertical
2536.08	-44.32	-13	Vertical
2575.32	-44.64	-13	Vertical
8963.46	-39.08	-13	Vertical
9973.00	-35.95	-13	Vertical

Test with secondary supply:

WCDMA band IV MODE Channel 1312 is selected as the worst point for RSE.

WCDMA band IV MODE Channel 1312:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.41	-49.16	-13	Vertical
2780.18	-47.14	-13	Vertical
3724.39	-40.91	-13	Vertical
6676.45	-39.38	-13	Vertical
9959.72	-37.46	-13	Vertical
17820.01	-33.84	-13	Vertical

---The end of the test report---