



## Appendix B. Test Results of Radiated Test

### ERP/EIRP

Cellular Band ( $G_T - L_C = 1.00$ dB)			
Modes	WCDMA Band V (RMC 12.2Kbps)		
Channel	4132 (Low)	4182(Mid)	4233 (High)
Frequency (MHz)	826.4	836.4	846.6
Conducted Power (dBm)	22.69	22.46	22.8
Conducted Power (Watts)	0.19	0.18	0.19
EIRP(dBm)	21.54	21.31	21.65
EIRP(Watts)	0.1426	0.1352	0.1462

PCS Band ( $G_T - L_C = 2.00$ dB)			
Modes	WCDMA Band II (RMC 12.2Kbps)		
Channel	9262 (Low)	9400 (Mid)	9538 (High)
Frequency (MHz)	1852.4	1880	1907.6
Conducted Power (dBm)	22.53	22.56	22.06
Conducted Power (Watts)	0.18	0.18	0.16
EIRP(dBm)	24.53	24.56	24.06
EIRP(Watts)	0.2838	0.2858	0.2547



AWS Band ( $G_T - L_C = 2.00$ dB)			
Modes	WCDMA Band IV (RMC 12.2Kbps)		
Channel	1312 (Low)	1413 (Mid)	1513 (High)
Frequency (MHz)	1712.4	1732.6	1752.6
Conducted Power (dBm)	22.4	22.36	22.85
Conducted Power (Watts)	0.17	0.17	0.19
EIRP(dBm)	24.4	24.36	24.85
EIRP(Watts)	0.2754	0.2729	0.3055



**Radiated Spurious Emission**

WCDMA Band V(RMC 12.2Kbps)									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-56.69	-13	-43.69	-65.18	-58.42	0.98	4.86	H
	2488	-63.08	-13	-50.08	-75.16	-65.01	1.29	5.36	H
	3312	-60.18	-13	-47.18	-75.63	-63.66	1.55	7.17	H
	1656	-59.10	-13	-46.10	-65.51	-60.83	0.98	4.86	V
	2484	-60.57	-13	-47.57	-74.81	-62.49	1.29	5.35	V
	3312	-60.90	-13	-47.90	-75.28	-64.38	1.55	7.17	V
Middle	1672	-51.37	-13	-38.37	-60.74	-53.05	0.99	4.82	H
	2512	-61.29	-13	-48.29	-74.56	-63.26	1.29	5.41	H
	3344	-59.01	-13	-46.01	-75.43	-62.62	1.56	7.31	H
	1672	-53.78	-13	-40.78	-61.17	-55.46	0.99	4.82	V
	2512	-59.24	-13	-46.24	-74.65	-61.21	1.29	5.41	V
	3344	-60.39	-13	-47.39	-75.57	-64	1.56	7.31	V
Highest	1696	-52.52	-13	-39.52	-62	-54.12	1.00	4.75	H
	2544	-61.11	-13	-48.11	-74.83	-63.09	1.30	5.44	H
	3392	-59.07	-13	-46.07	-75.46	-62.87	1.57	7.52	H
	1696	-54.89	-13	-41.89	-62.67	-56.49	1.00	4.75	V
	2544	-59.13	-13	-46.13	-74.5	-61.11	1.30	5.44	V
	3392	-59.64	-13	-46.64	-75.63	-63.44	1.57	7.52	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band II(RMC 12.2Kbps)									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3707	-50.91	-13	-37.91	-68.56	-57.49	1.67	8.25	H
	5562	-54.33	-13	-41.33	-77	-61.39	2.66	9.72	H
	7417	-48.64	-13	-35.64	-76.38	-57.82	2.46	11.63	H
	3707	-46.12	-13	-33.12	-63.66	-52.7	1.67	8.25	V
	5562	-55.78	-13	-42.78	-76.91	-62.84	2.66	9.72	V
	7417	-49.53	-13	-36.53	-76.58	-58.71	2.46	11.63	V
Middle	3756	-51.37	-13	-38.37	-69.39	-57.99	1.68	8.31	H
	5634	-54.52	-13	-41.52	-77.24	-61.57	2.70	9.75	H
	7515	-48.67	-13	-35.67	-76.38	-58.05	2.42	11.81	H
	3756	-46.82	-13	-33.82	-64.44	-53.44	1.68	8.31	V
	5634	-55.86	-13	-42.86	-76.95	-62.91	2.70	9.75	V
	7515	-49.26	-13	-36.26	-76.6	-58.64	2.42	11.81	V
Highest	3819	-50.01	-13	-37.01	-68.6	-56.69	1.70	8.38	H
	5728.5	-54.09	-13	-41.09	-77.21	-61.12	2.76	9.79	H
	7641	-49.35	-13	-36.35	-76.76	-58.85	2.38	11.88	H
	3819	-46.45	-13	-33.45	-64.14	-53.13	1.70	8.38	V
	5730	-54.79	-13	-41.79	-76.93	-61.82	2.76	9.79	V
	7641	-49.95	-13	-36.95	-76.89	-59.45	2.38	11.88	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band IV(RMC 12.2Kbps)									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3427	-59.27	-13	-46.27	-74.97	-65.37	1.58	7.68	H
	5142	-54.57	-13	-41.57	-76.32	-61.85	2.42	9.70	H
	6857	-51.09	-13	-38.09	-77.06	-59.08	2.64	10.63	H
	3427	-55.35	-13	-42.35	-70.73	-61.45	1.58	7.68	V
	5142	-55.61	-13	-42.61	-76.61	-62.89	2.42	9.70	V
	6857	-51.43	-13	-38.43	-77.06	-59.42	2.64	10.63	V
Middle	3462	-57.42	-13	-44.42	-73.41	-63.66	1.59	7.83	H
	5191	-55.12	-13	-42.12	-76.84	-62.37	2.45	9.70	H
	6927	-50.63	-13	-37.63	-76.87	-58.73	2.61	10.71	H
	3462	-54.28	-13	-41.28	-70.19	-60.52	1.59	7.83	V
	5191	-55.11	-13	-42.11	-76.33	-62.36	2.45	9.70	V
	6927	-50.76	-13	-37.76	-76.79	-58.86	2.61	10.71	V
Highest	3504	-58.10	-13	-45.10	-74.37	-64.5	1.61	8.00	H
	5254	-55.22	-13	-42.22	-76.86	-62.44	2.48	9.70	H
	7011	-50.20	-13	-37.20	-76.76	-58.44	2.59	10.82	H
	3504	-55.21	-13	-42.21	-71.64	-61.61	1.61	8.00	V
	5254	-55.12	-13	-42.12	-77.03	-62.34	2.48	9.70	V
	7011	-50.12	-13	-37.12	-76.67	-58.36	2.59	10.82	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.