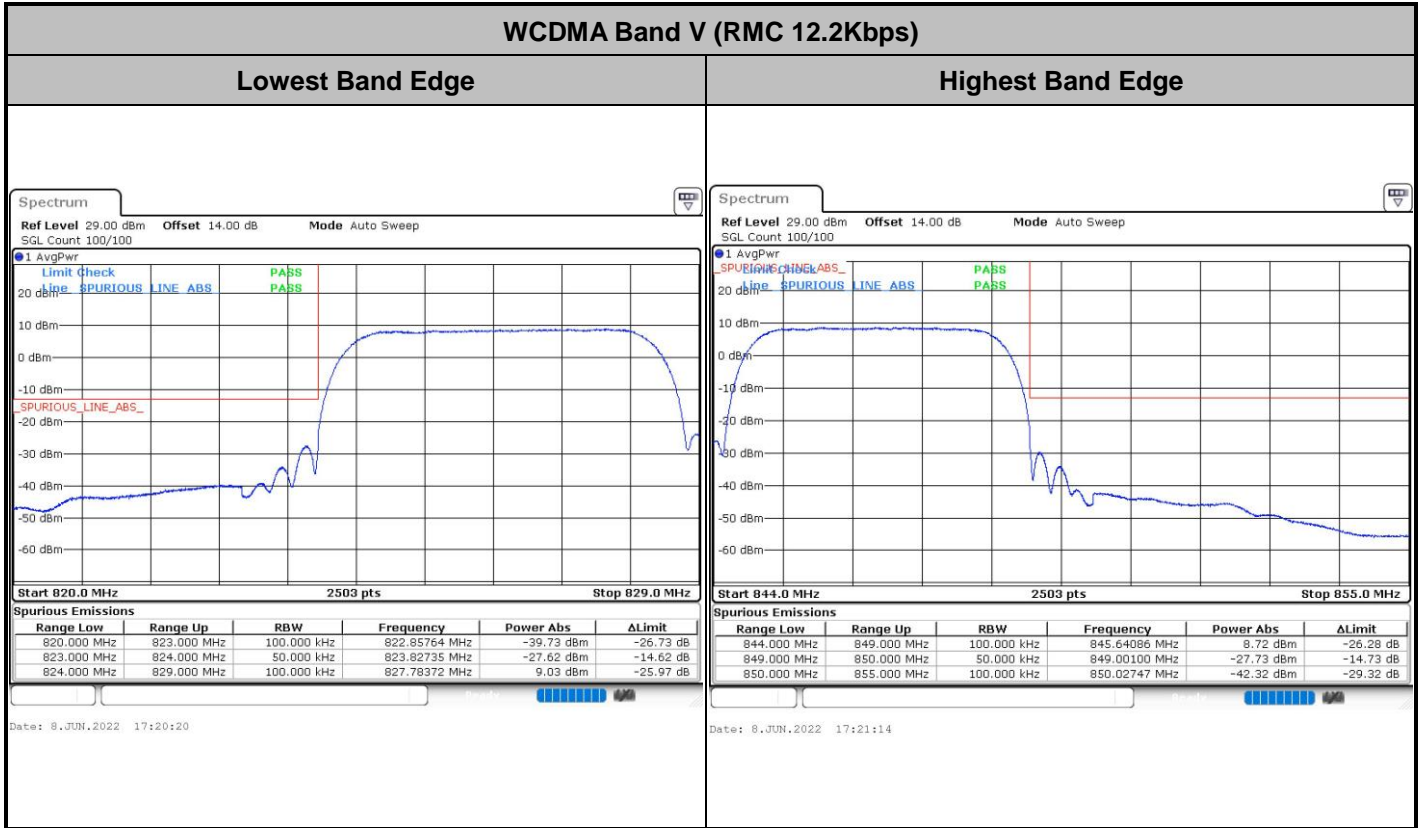
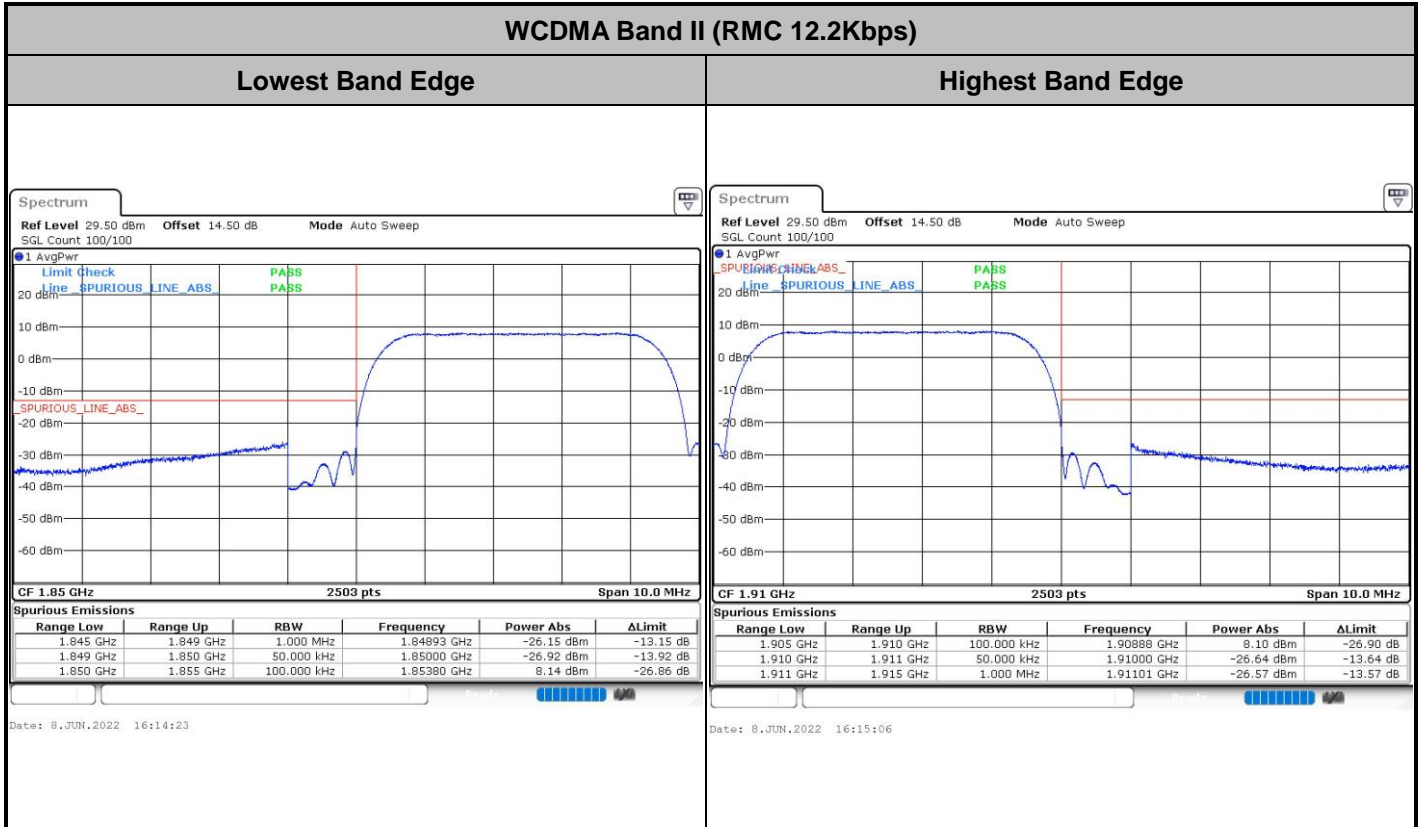


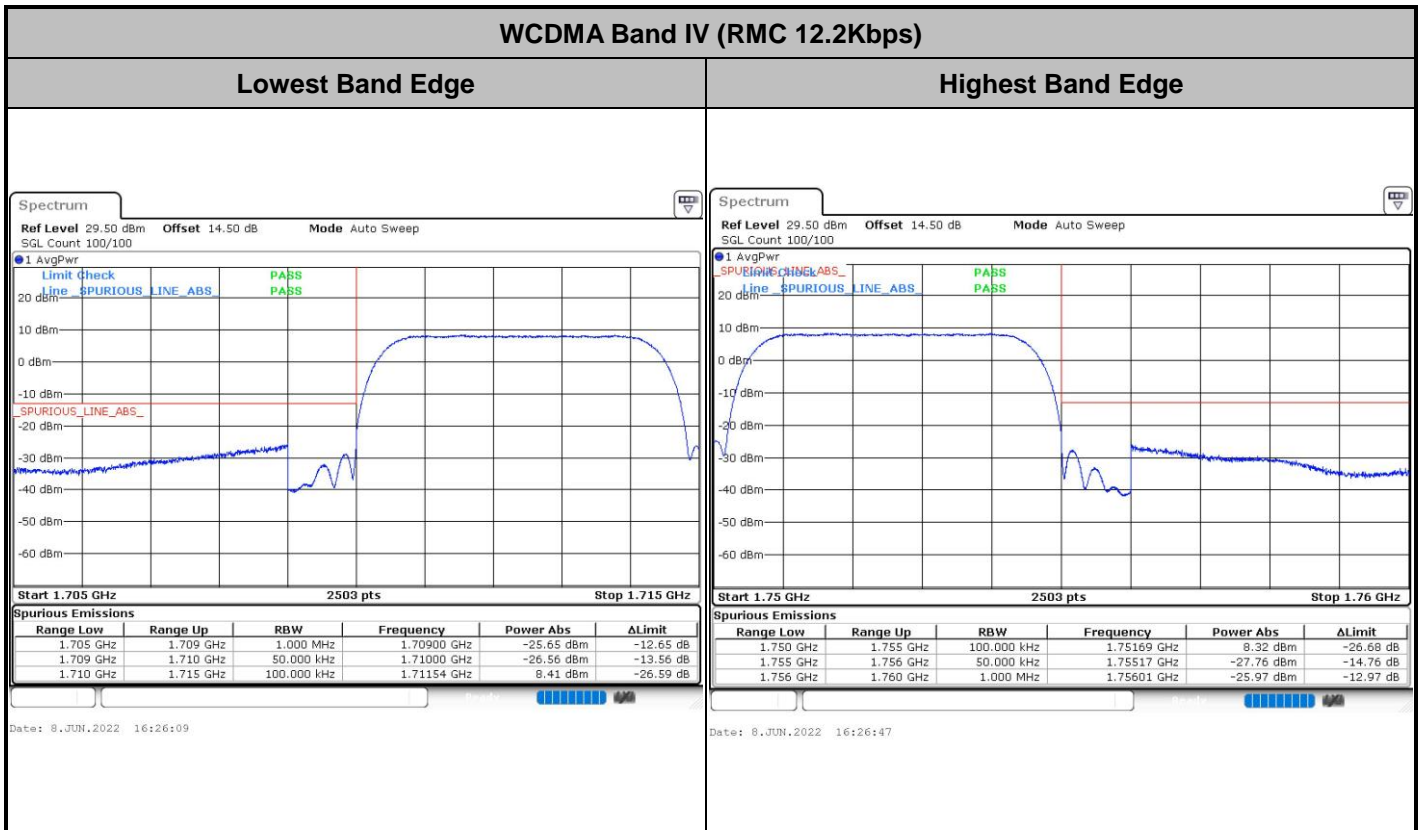




# Conducted Band Edge

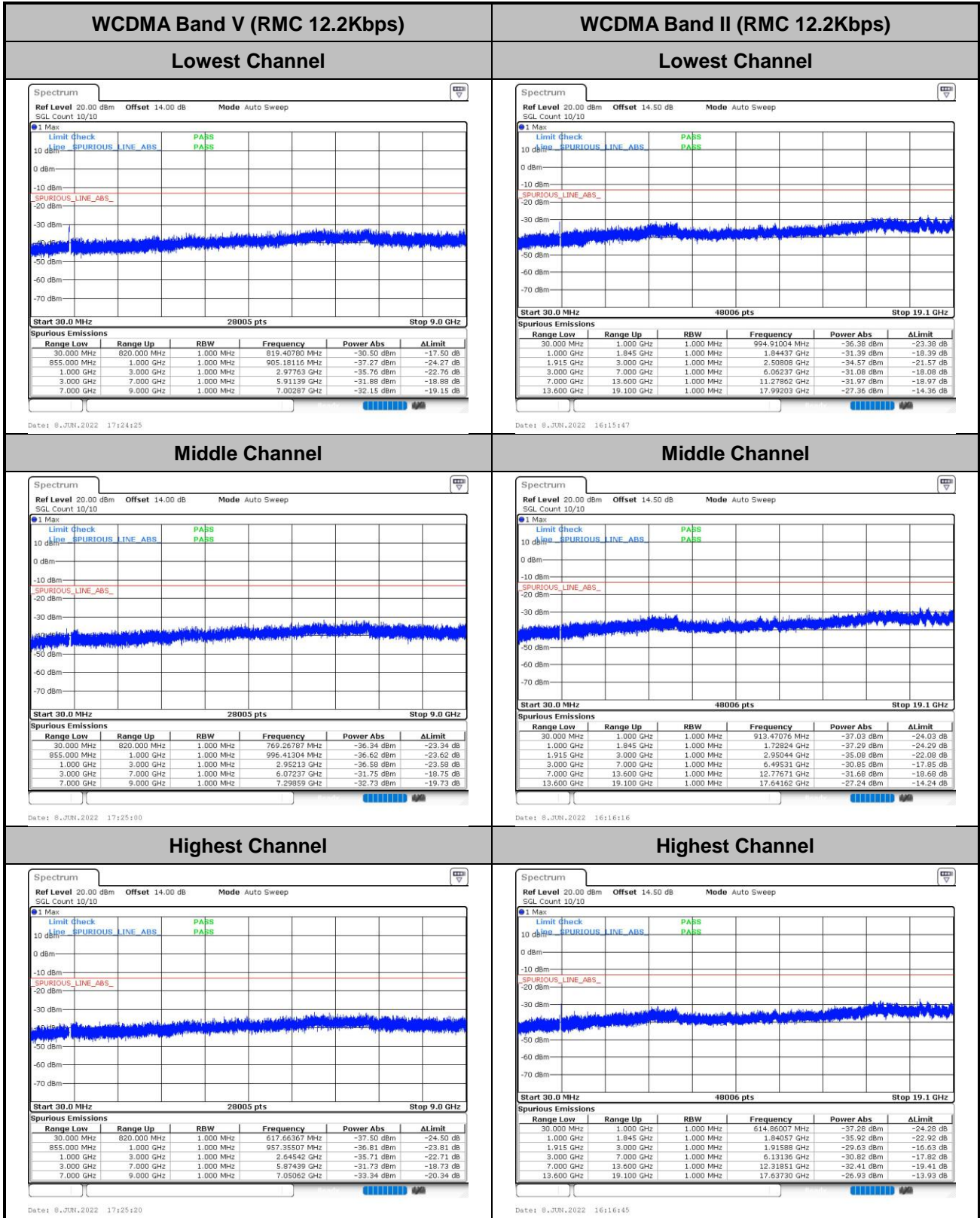


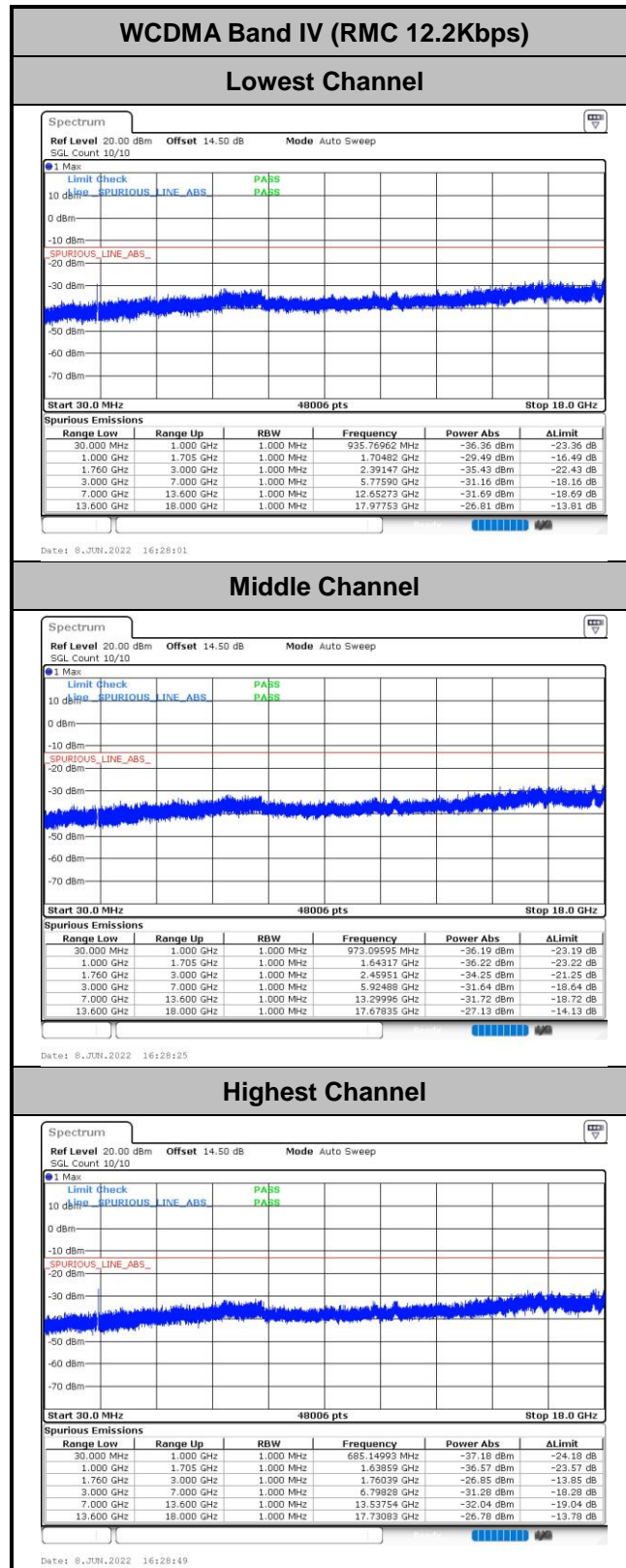






# Conducted Spurious Emission







Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V RMC 12.2Kbps	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0106	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0094	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0083	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0078	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	





Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Test Engineer :	Zhao hui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850 (GSM)									
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	1648.4	-66.22	-13	-53.22	-75.61	-69.45	3.98	9.36	H
	2472.6	-35.90	-13	-22.90	-50.06	-39.45	4.85	10.55	H
	3296.8	-61.67	-13	-48.67	-78.17	-66.60	5.50	12.58	H
	4121	-56.10	-13	-43.10	-74.20	-60.57	5.98	12.60	H
	1648.4	-65.31	-13	-52.31	-74.44	-68.54	3.98	9.36	V
	2472.6	-44.54	-13	-31.54	-58.67	-48.09	4.85	10.55	V
	3296.8	-61.84	-13	-48.84	-78.15	-66.77	5.50	12.58	V
	4121	-57.43	-13	-44.43	-75.54	-61.90	5.98	12.60	V
Middle	1672.8	-64.48	-13	-51.48	-73.99	-67.73	4.00	9.40	H
	2509.2	-36.29	-13	-23.29	-50.43	-39.86	4.88	10.60	H
	3345.6	-62.27	-13	-49.27	-78.36	-67.20	5.52	12.60	H
	1672.8	-62.46	-13	-49.46	-71.42	-65.71	4.00	9.40	V
	2509.2	-43.24	-13	-30.24	-57.34	-46.81	4.88	10.60	V
	3345.6	-62.15	-13	-49.15	-77.97	-67.08	5.52	12.60	V
Highest	1697.6	-60.55	-13	-47.55	-72.55	-63.72	4.10	9.42	H
	2546.4	-33.77	-13	-20.77	-52.83	-37.35	4.90	10.63	H
	3395.2	-57.37	-13	-44.37	-77.16	-62.29	5.55	12.62	H
	4244	-51.19	-13	-38.19	-73.38	-55.67	6.02	12.65	H
	1697.6	-62.90	-13	-49.90	-75.57	-66.07	4.10	9.42	V
	2546.4	-33.08	-13	-20.08	-52.36	-36.66	4.90	10.63	V
	3395.2	-56.35	-13	-43.35	-77.47	-61.27	5.55	12.62	V
	4244	-49.72	-13	-36.72	-73.88	-54.20	6.02	12.65	V

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



GSM850 (EDGE 1 Tx slots)									
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	1648.4	-66.50	-13	-53.50	-75.89	-69.73	3.98	9.36	H
	2472.6	-53.56	-13	-40.56	-67.72	-57.11	4.85	10.55	H
	3296.8	-61.62	-13	-48.62	-78.12	-66.55	5.50	12.58	H
	4121	-60.61	-13	-47.61	-78.71	-65.08	5.98	12.60	H
	1648.4	-66.83	-13	-53.83	-75.96	-70.06	3.98	9.36	V
	2472.6	-56.70	-13	-43.70	-70.83	-60.25	4.85	10.55	V
	3296.8	-61.70	-13	-48.70	-78.01	-66.63	5.50	12.58	V
	4121	-62.07	-13	-49.07	-80.18	-66.54	5.98	12.60	V
Middle	1672.8	-66.01	-13	-53.01	-75.52	-69.26	4.00	9.40	H
	2509.2	-46.82	-13	-33.82	-60.96	-50.39	4.88	10.60	H
	3345.6	-61.74	-13	-48.74	-77.83	-66.67	5.52	12.60	H
	4182	-54.99	-13	-41.99	-73.40	-59.46	6.00	12.62	H
	1672.8	-66.98	-13	-53.98	-75.94	-70.23	4.00	9.40	V
	2509.2	-46.48	-13	-33.48	-60.58	-50.05	4.88	10.60	V
	3345.6	-62.44	-13	-49.44	-78.26	-67.37	5.52	12.60	V
	4182	-60.14	-13	-47.14	-78.56	-64.61	6.00	12.62	V
Highest	1697.6	-66.25	-13	-53.25	-75.91	-69.42	4.10	9.42	H
	2546.4	-43.74	-13	-30.74	-57.91	-47.32	4.90	10.63	H
	3395.2	-61.55	-13	-48.55	-78.10	-66.47	5.55	12.62	H
	4244	-61.54	-13	-48.54	-79.60	-66.02	6.02	12.65	H
	1697.6	-66.69	-13	-53.69	-75.83	-69.86	4.10	9.42	V
	2546.4	-41.06	-13	-28.06	-55.17	-44.64	4.90	10.63	V
	3395.2	-62.00	-13	-49.00	-78.67	-66.92	5.55	12.62	V
	4244	-60.64	-13	-47.64	-79.02	-65.12	6.02	12.65	V

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

GSM1900 (GSM)									
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	3700.4	-60.50	-13	-47.50	-78.62	-67.26	5.82	12.58	H
	5550.6	-56.54	-13	-43.54	-78.58	-62.26	7.28	13.00	H
	7400.8	-51.80	-13	-38.80	-78.48	-54.96	8.32	11.48	H
	3700.4	-60.77	-13	-47.77	-78.79	-67.53	5.82	12.58	V
	5550.6	-57.50	-13	-44.50	-79.72	-63.22	7.28	13.00	V
	7400.8	-51.71	-13	-38.71	-78.41	-54.87	8.32	11.48	V
Middle	3760	-60.04	-13	-47.04	-77.94	-66.79	5.85	12.60	H
	5640	-56.00	-13	-43.00	-79.10	-61.80	7.30	13.10	H
	7520	-52.28	-13	-39.28	-78.44	-55.43	8.35	11.50	H
	3760	-60.33	-13	-47.33	-78.16	-67.08	5.85	12.60	V
	5640	-55.96	-13	-42.96	-78.31	-61.76	7.30	13.10	V
	7520	-48.25	-13	-35.25	-74.39	-51.40	8.35	11.50	V
Highest	3819.6	-60.40	-13	-47.40	-78.18	-67.14	5.88	12.62	H
	5729.4	-56.78	-13	-43.78	-80.00	-62.59	7.32	13.13	H
	7639.2	-48.41	-13	-35.41	-74.61	-51.57	8.38	11.54	H
	3819.6	-60.45	-13	-47.45	-78.22	-67.19	5.88	12.62	V
	5729.4	-56.73	-13	-43.73	-79.77	-62.54	7.32	13.13	V
	7639.2	-50.06	-13	-37.06	-76.18	-53.22	8.38	11.54	V



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

GSM1900 (EDGE 1 Tx slots)									
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	3700.4	-60.82	-13	-47.82	-78.94	-67.58	5.82	12.58	H
	5550.6	-58.74	-13	-45.74	-80.78	-64.46	7.28	13.00	H
	7400.8	-52.37	-13	-39.37	-79.05	-55.53	8.32	11.48	H
	3700.4	-60.90	-13	-47.90	-78.92	-67.66	5.82	12.58	V
	5550.6	-58.72	-13	-45.72	-80.94	-64.44	7.28	13.00	V
	7400.8	-50.80	-13	-37.80	-77.5	-53.96	8.32	11.48	V
Middle	3760	-60.85	-13	-47.85	-78.75	-67.60	5.85	12.60	H
	5640	-57.10	-13	-44.10	-80.20	-62.90	7.30	13.10	H
	7520	-53.19	-13	-40.19	-79.35	-56.34	8.35	11.50	H
	3760	-61.25	-13	-48.25	-79.08	-68.00	5.85	12.60	V
	5640	-57.09	-13	-44.09	-79.44	-62.89	7.30	13.10	V
	7520	-51.01	-13	-38.01	-77.15	-54.16	8.35	11.50	V
Highest	3819.6	-61.22	-13	-48.22	-79.00	-67.96	5.88	12.62	H
	5729.4	-57.50	-13	-44.50	-80.72	-63.31	7.32	13.13	H
	7639.2	-49.77	-13	-36.77	-75.97	-52.93	8.38	11.54	H
	3819.6	-61.02	-13	-48.02	-78.79	-67.76	5.88	12.62	V
	5729.4	-57.64	-13	-44.64	-80.68	-63.45	7.32	13.13	V
	7639.2	-49.58	-13	-36.58	-75.7	-52.74	8.38	11.54	V

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

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	1652.8	-65.84	-13	-52.84	-75.33	-69.07	3.98	9.36	H
	2479.2	-63.22	-13	-50.22	-77.38	-66.77	4.85	10.55	H
	3305.6	-61.56	-13	-48.56	-77.89	-66.49	5.50	12.58	H
	1652.8	-66.38	-13	-53.38	-75.61	-69.61	3.98	9.36	V
	2479.2	-63.30	-13	-50.30	-77.43	-66.85	4.85	10.55	V
	3305.6	-61.74	-13	-48.74	-77.85	-66.67	5.50	12.58	V
Middle	1672.8	-66.08	-13	-53.08	-75.59	-69.33	4.00	9.40	H
	2509.2	-63.31	-13	-50.31	-77.45	-66.88	4.88	10.60	H
	3345.6	-62.04	-13	-49.04	-78.13	-66.97	5.52	12.60	H
	1672.8	-66.45	-13	-53.45	-75.41	-69.70	4.00	9.40	V
	2509.2	-63.04	-13	-50.04	-77.14	-66.61	4.88	10.60	V
	3345.6	-62.11	-13	-49.11	-77.93	-67.04	5.52	12.60	V
Highest	1693.2	-66.09	-13	-53.09	-75.75	-69.26	4.10	9.42	H
	2539.8	-61.49	-13	-48.49	-75.69	-65.07	4.90	10.63	H
	3386.4	-61.74	-13	-48.74	-78.17	-66.66	5.55	12.62	H
	1693.2	-66.34	-13	-53.34	-75.48	-69.51	4.10	9.42	V
	2539.8	-61.51	-13	-48.51	-75.65	-65.09	4.90	10.63	V
	3386.4	-61.68	-13	-48.68	-78.10	-66.60	5.55	12.62	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	3704.8	-61.14	-13	-48.14	-79.26	-67.90	5.82	12.58	H
	5557.2	-58.96	-13	-45.96	-81.06	-64.68	7.28	13.00	H
	7409.6	-53.66	-13	-40.66	-80.34	-56.82	8.32	11.48	H
	3704.8	-61.08	-13	-48.08	-79.1	-67.84	5.82	12.58	V
	5557.2	-58.94	-13	-45.94	-81.22	-64.66	7.28	13.00	V
	7409.6	-53.60	-13	-40.60	-80.3	-56.76	8.32	11.48	V
Middle	3760	-61.01	-13	-48.01	-78.91	-67.76	5.85	12.60	H
	5640	-57.38	-13	-44.38	-80.48	-63.18	7.30	13.10	H
	7520	-53.39	-13	-40.39	-79.55	-56.54	8.35	11.50	H
	3760	-61.21	-13	-48.21	-79.04	-67.96	5.85	12.60	V
	5640	-58.09	-13	-45.09	-80.44	-63.89	7.30	13.10	V
	7520	-53.72	-13	-40.72	-79.86	-56.87	8.35	11.50	V
Highest	3815.2	-61.15	-13	-48.15	-78.87	-67.89	5.88	12.62	H
	5722.8	-57.22	-13	-44.22	-80.44	-63.03	7.32	13.13	H
	7630.4	-53.65	-13	-40.65	-79.82	-56.81	8.38	11.54	H
	3815.2	-61.19	-13	-48.19	-78.9	-67.93	5.88	12.62	V
	5722.8	-57.32	-13	-44.32	-80.36	-63.13	7.32	13.13	V
	7630.4	-53.72	-13	-40.72	-79.81	-56.88	8.38	11.54	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	3424.8	-62.00	-13	-49.00	-78.77	-68.88	5.60	12.48	H
	5137.2	-58.35	-13	-45.35	-80.12	-64.03	7.10	12.78	H
	6849.6	-55.06	-13	-42.06	-80.32	-58.45	8.38	11.77	H
	3424.8	-61.92	-13	-48.92	-78.75	-68.80	5.60	12.48	V
	5137.2	-58.05	-13	-45.05	-80.04	-63.73	7.10	12.78	V
	6849.6	-54.46	-13	-41.46	-80.22	-57.85	8.38	11.77	V
Middle	3465.2	-62.21	-13	-49.21	-79.15	-69.06	5.65	12.50	H
	5197.8	-59.32	-13	-46.32	-80.80	-64.99	7.13	12.80	H
	6930.4	-54.63	-13	-41.63	-80.42	-58.03	8.40	11.80	H
	3465.2	-61.88	-13	-48.88	-78.84	-68.73	5.65	12.50	V
	5197.8	-58.77	-13	-45.77	-80.56	-64.44	7.13	12.80	V
	6930.4	-54.36	-13	-41.36	-80.62	-57.76	8.40	11.80	V
Highest	3505.2	-61.62	-13	-48.62	-78.78	-68.46	5.68	12.52	H
	5257.8	-59.36	-13	-46.36	-80.81	-65.03	7.15	12.82	H
	7010.4	-53.68	-13	-40.68	-79.92	-57.11	8.42	11.85	H
	3505.2	-61.70	-13	-48.70	-78.83	-68.54	5.68	12.52	V
	5257.8	-59.29	-13	-46.29	-80.85	-64.96	7.15	12.82	V
	7010.4	-53.10	-13	-40.10	-79.79	-56.53	8.42	11.85	V

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