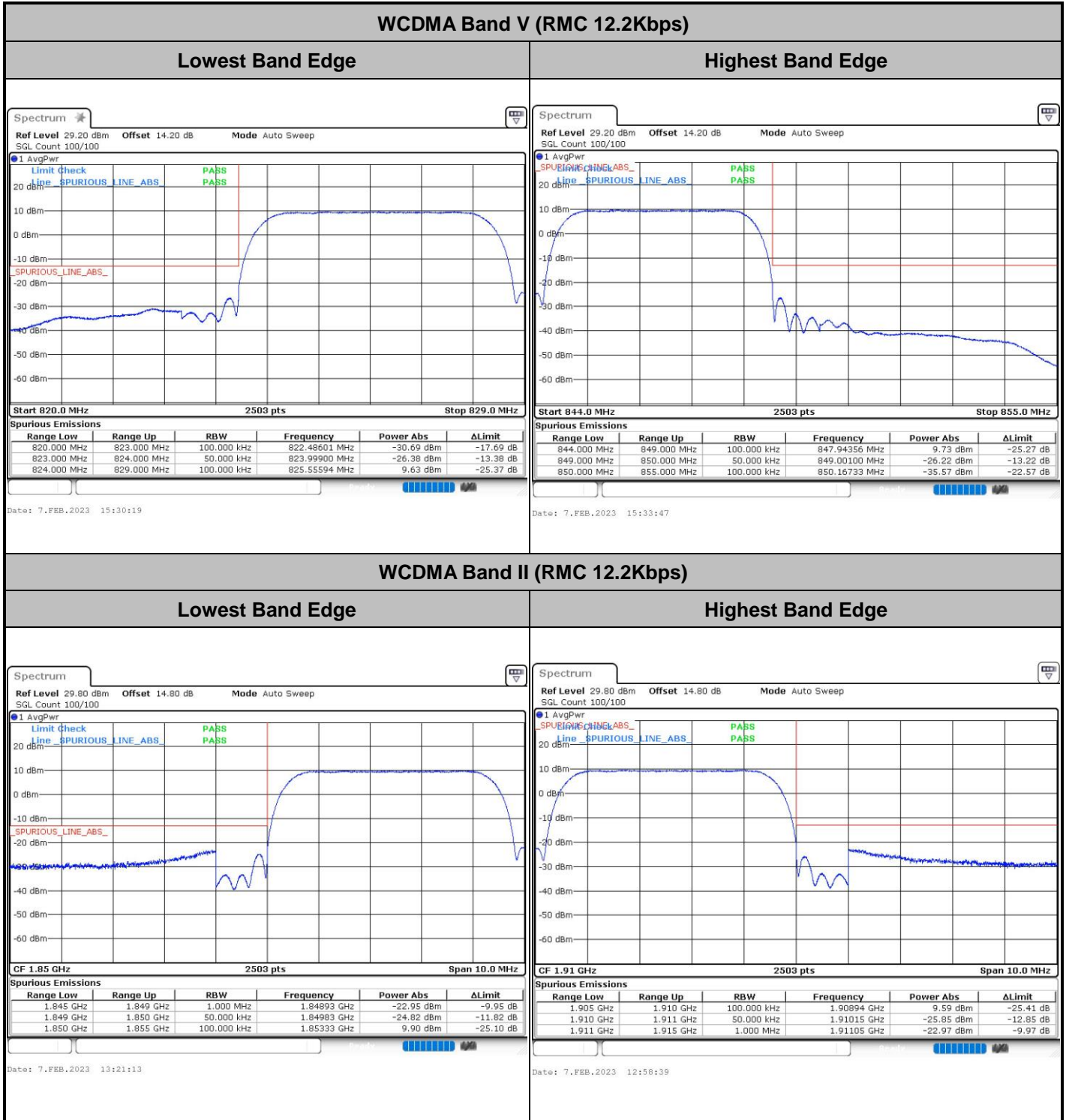
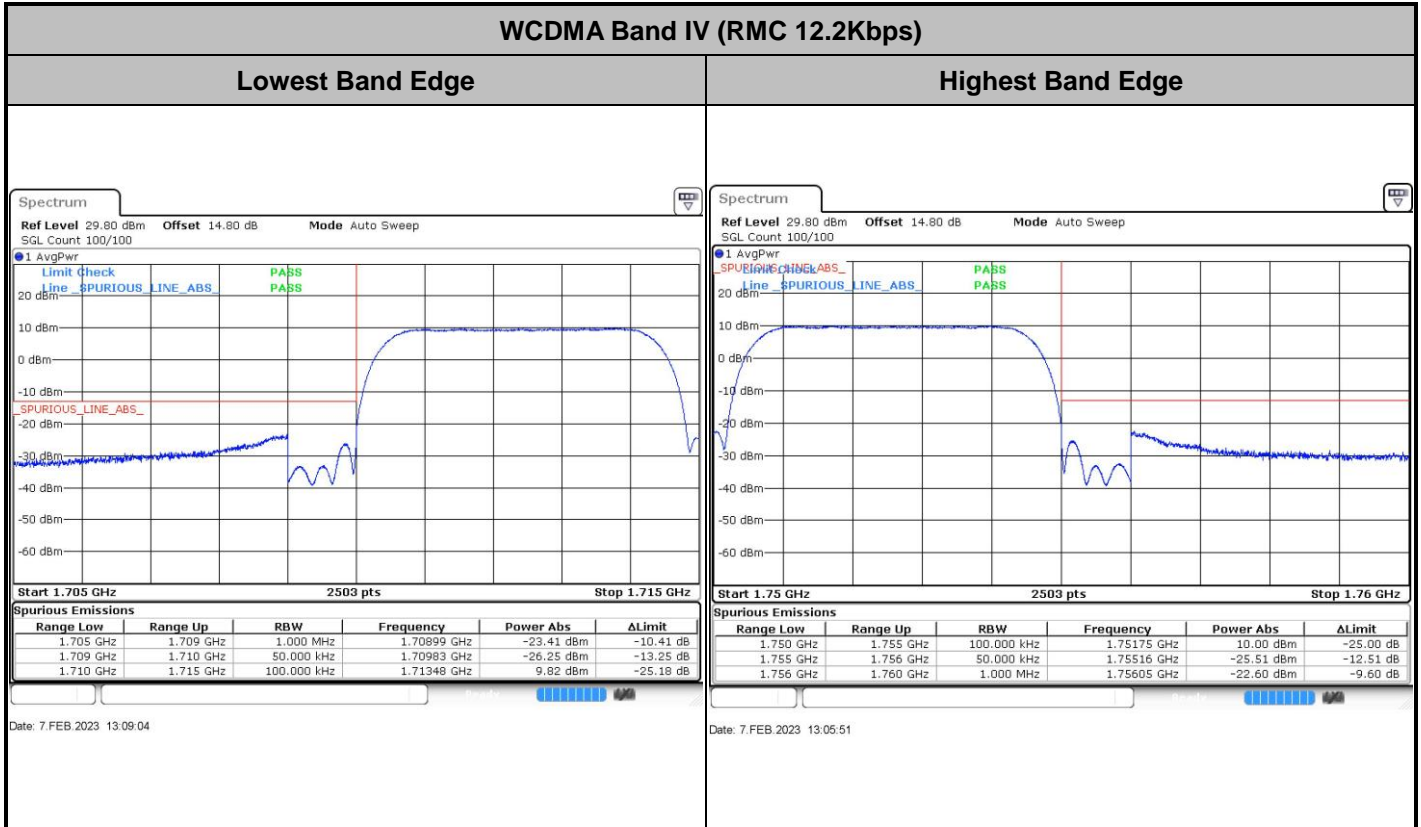




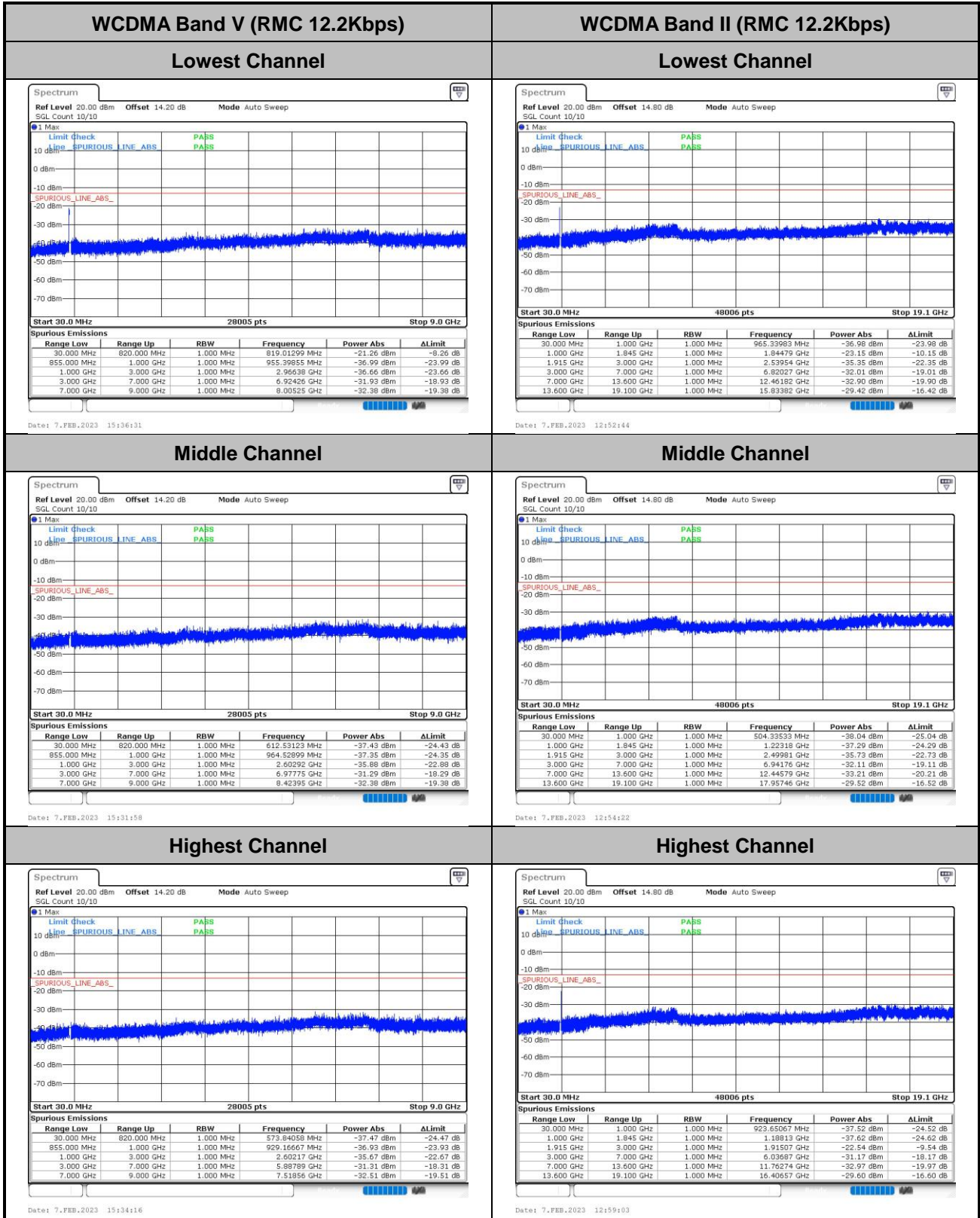
# Conducted Band Edge

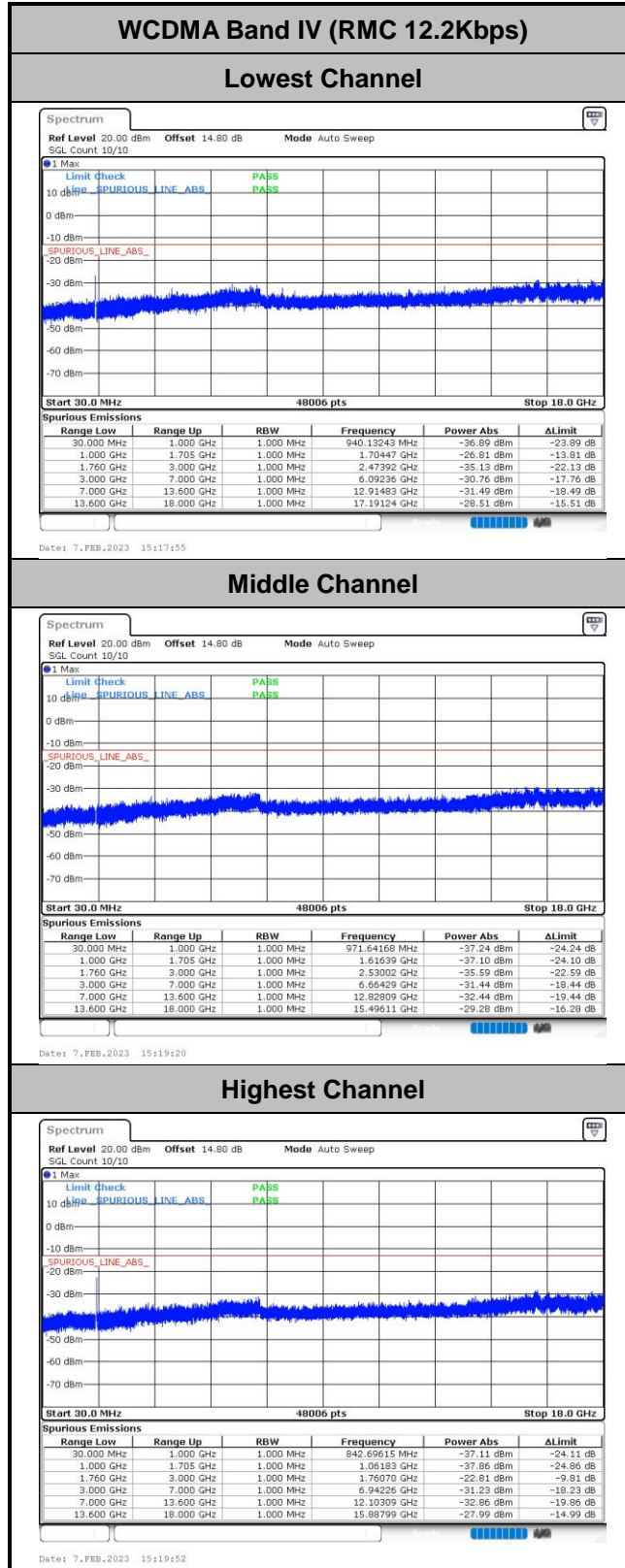






# Conducted Spurious Emission







**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	0.0001	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0002	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0002	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage = 7.78V. ; Battery End Point (BEP) = 7.3 V. ; Maximum Voltage =8.7 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.





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

**Note:**

1. Normal Voltage = 7.78V. ; Battery End Point (BEP) = 7.3 V. ; Maximum Voltage =8.7V
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 :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

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)
Middle	1672.8	-63.60	-13	-50.60	-75.86	-66.85	4.00	9.40	H
	2509.2	-48.80	-13	-35.80	-68.30	-52.37	4.88	10.60	H
	3345.6	-57.25	-13	-44.25	-78.59	-62.18	5.52	12.60	H
	1672.8	-62.46	-13	-49.46	-75.43	-65.71	4.00	9.40	V
	2509.2	-54.03	-13	-41.03	-73.74	-57.60	4.88	10.60	V
	3345.6	-56.93	-13	-43.93	-78.57	-61.86	5.52	12.60	V

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)
Middle	1672.8	-62.09	-13	-49.09	-74.35	-65.34	4.00	9.40	H
	2509.2	-49.98	-13	-36.98	-69.48	-53.55	4.88	10.60	H
	3345.6	-56.95	-13	-43.95	-78.29	-61.88	5.52	12.60	H
	1672.8	-62.94	-13	-49.94	-75.91	-66.19	4.00	9.40	V
	2509.2	-52.41	-13	-39.41	-72.12	-55.98	4.88	10.60	V
	3345.6	-56.95	-13	-43.95	-78.59	-61.88	5.52	12.60	V

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)
Middle	3760	-56.07	-13	-43.07	-78.56	-62.82	5.85	12.60	H
	5640	-56.53	-13	-43.53	-80.93	-62.33	7.30	13.10	H
	7520	-53.95	-13	-40.95	-80.83	-57.10	8.35	11.50	H
	3760	-53.37	-13	-40.37	-79.02	-60.12	5.85	12.60	V
	5640	-56.41	-13	-43.41	-80.96	-62.21	7.30	13.10	V
	7520	-54.35	-13	-41.35	-81.21	-57.50	8.35	11.50	V





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)
Middle	3760	-56.18	-13	-43.18	-78.67	-62.93	5.85	12.60	H
	5640	-56.54	-13	-43.54	-80.94	-62.34	7.30	13.10	H
	7520	-54.04	-13	-41.04	-80.92	-57.19	8.35	11.50	H
	3760	-53.07	-13	-40.07	-78.72	-59.82	5.85	12.60	V
	5640	-56.10	-13	-43.10	-80.65	-61.90	7.30	13.10	V
	7520	-54.19	-13	-41.19	-81.05	-57.34	8.35	11.50	V

WCDMA Band V(RMC 12.2Kbps)_ANT 0									
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)
Middle	1672.8	-63.80	-13	-50.80	-76.06	-67.05	4.00	9.40	H
	2509.2	-56.60	-13	-43.60	-76.10	-60.17	4.88	10.60	H
	3345.6	-57.27	-13	-44.27	-78.61	-62.20	5.52	12.60	H
	1672.8	-63.20	-13	-50.20	-76.17	-66.45	4.00	9.40	V
	2509.2	-57.53	-13	-44.53	-77.24	-61.10	4.88	10.60	V
	3345.6	-56.89	-13	-43.89	-78.53	-61.82	5.52	12.60	V

WCDMA Band II(RMC 12.2Kbps)_ANT 1									
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)
Middle	3760	-56.18	-13	-43.18	-78.67	-62.93	5.85	12.60	H
	5640	-56.70	-13	-43.70	-81.10	-62.50	7.30	13.10	H
	7520	-54.16	-13	-41.16	-81.04	-57.31	8.35	11.50	H
	3760	-53.19	-13	-40.19	-78.84	-59.94	5.85	12.60	V
	5640	-56.07	-13	-43.07	-80.62	-61.87	7.30	13.10	V
	7520	-54.15	-13	-41.15	-81.01	-57.30	8.35	11.50	V

WCDMA Band IV(RMC 12.2Kbps)_ANT 1									
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)
Middle	3465.2	-58.83	-13	-45.83	-81.08	-65.68	5.65	12.50	H
	5197.8	-57.55	-13	-44.55	-82.40	-63.22	7.13	12.80	H
	6930.4	-55.12	-13	-42.12	-81.41	-58.52	8.40	11.80	H
	3465.2	-58.29	-13	-45.29	-80.34	-65.14	5.65	12.50	V
	5197.8	-56.95	-13	-43.95	-82.07	-62.62	7.13	12.80	V
	6930.4	-53.98	-13	-40.98	-81.19	-57.38	8.40	11.80	V

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