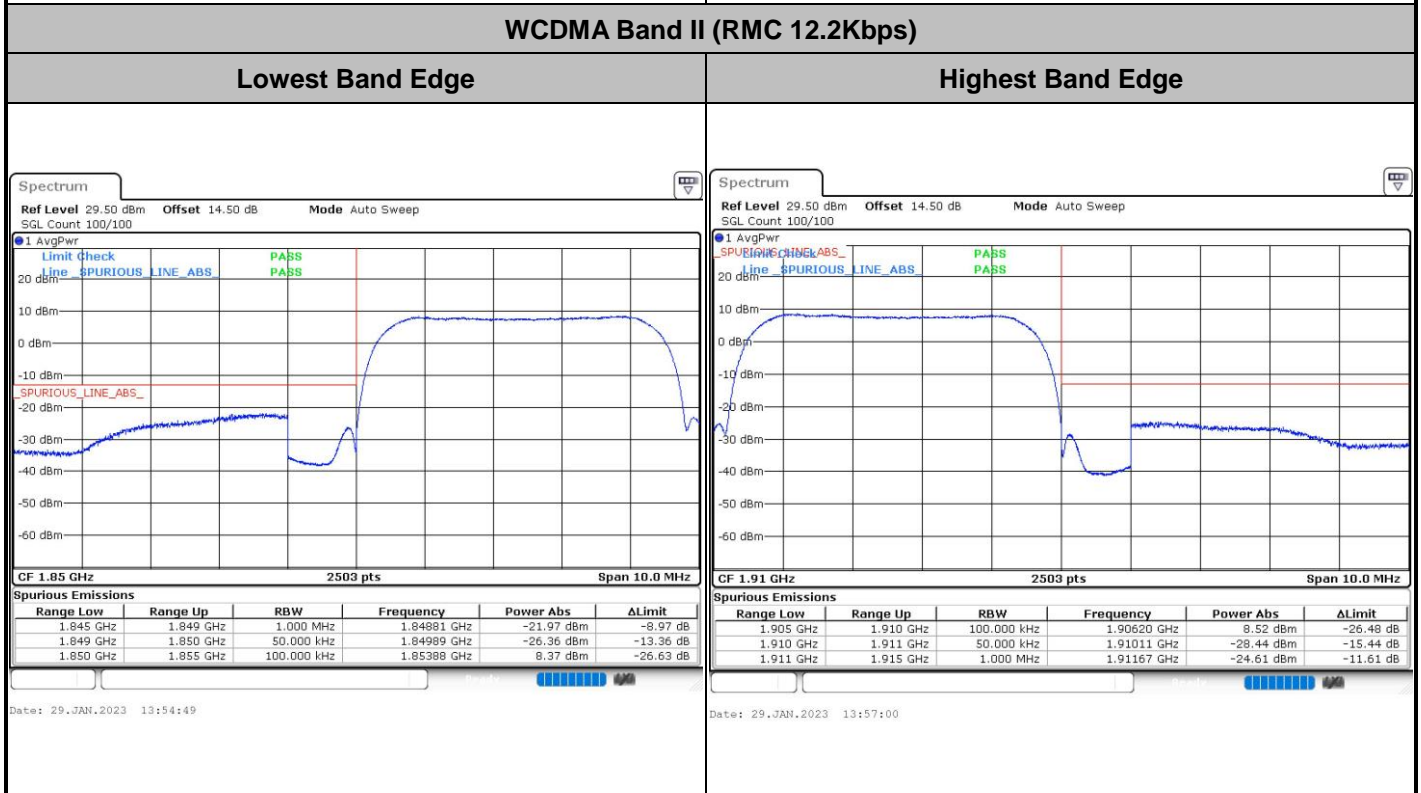
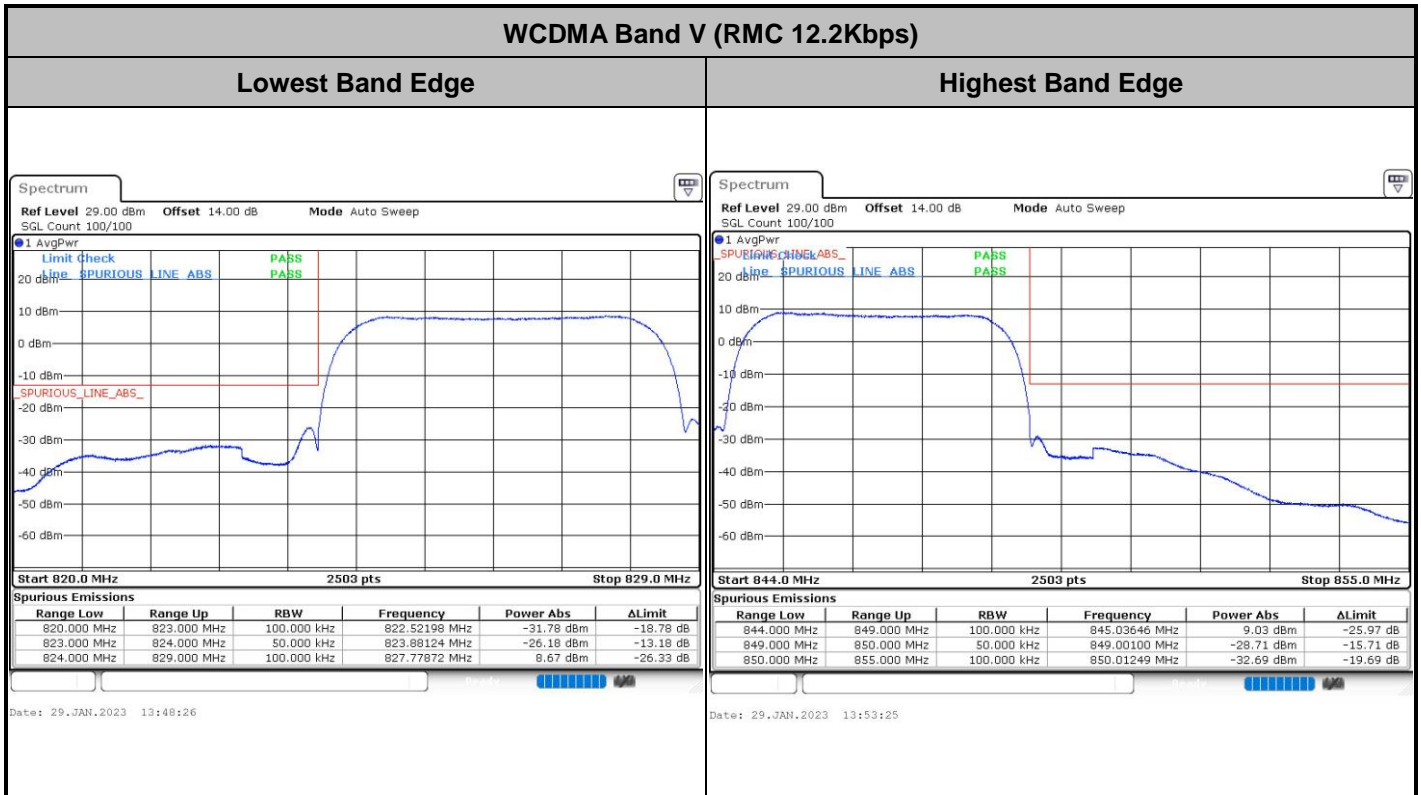
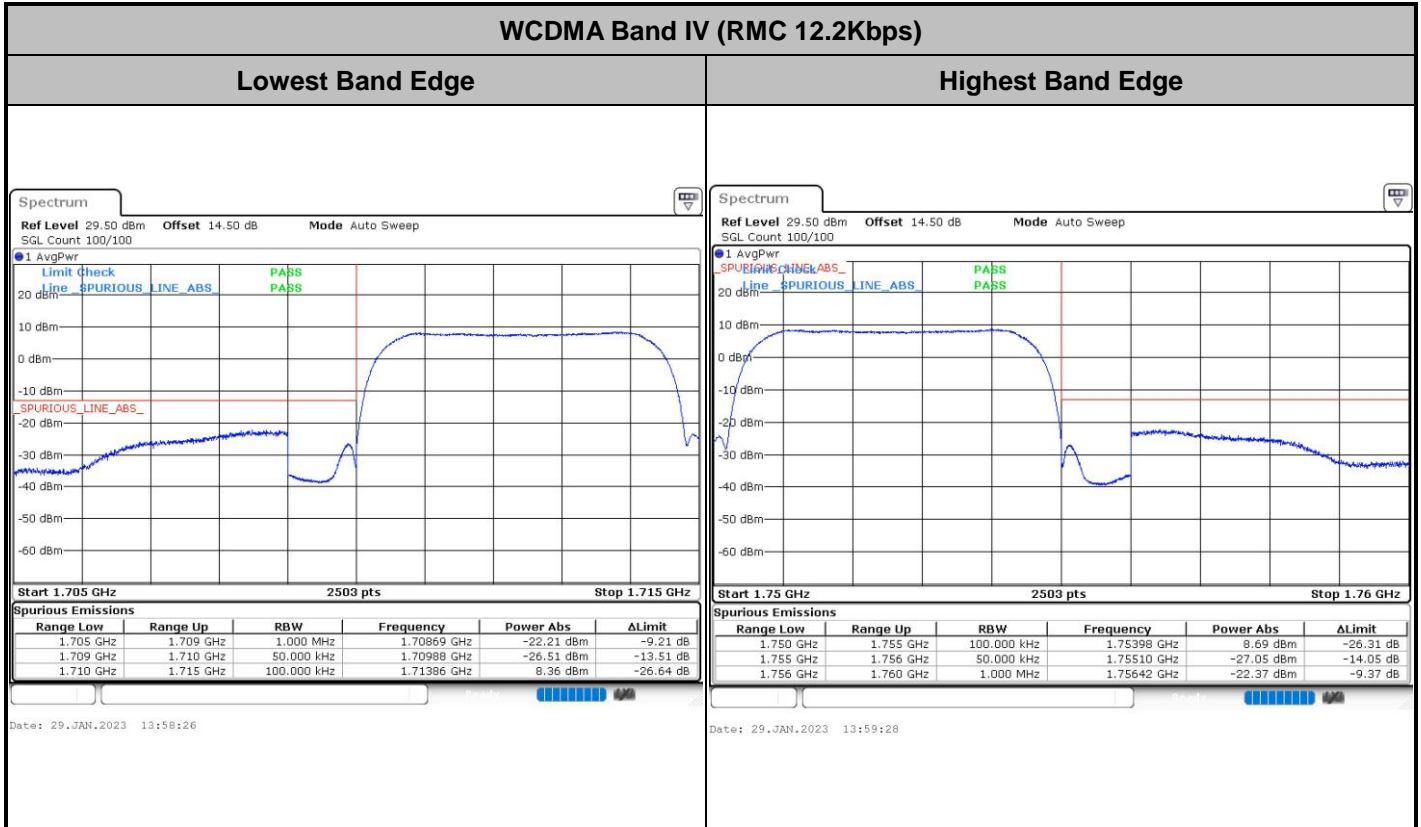




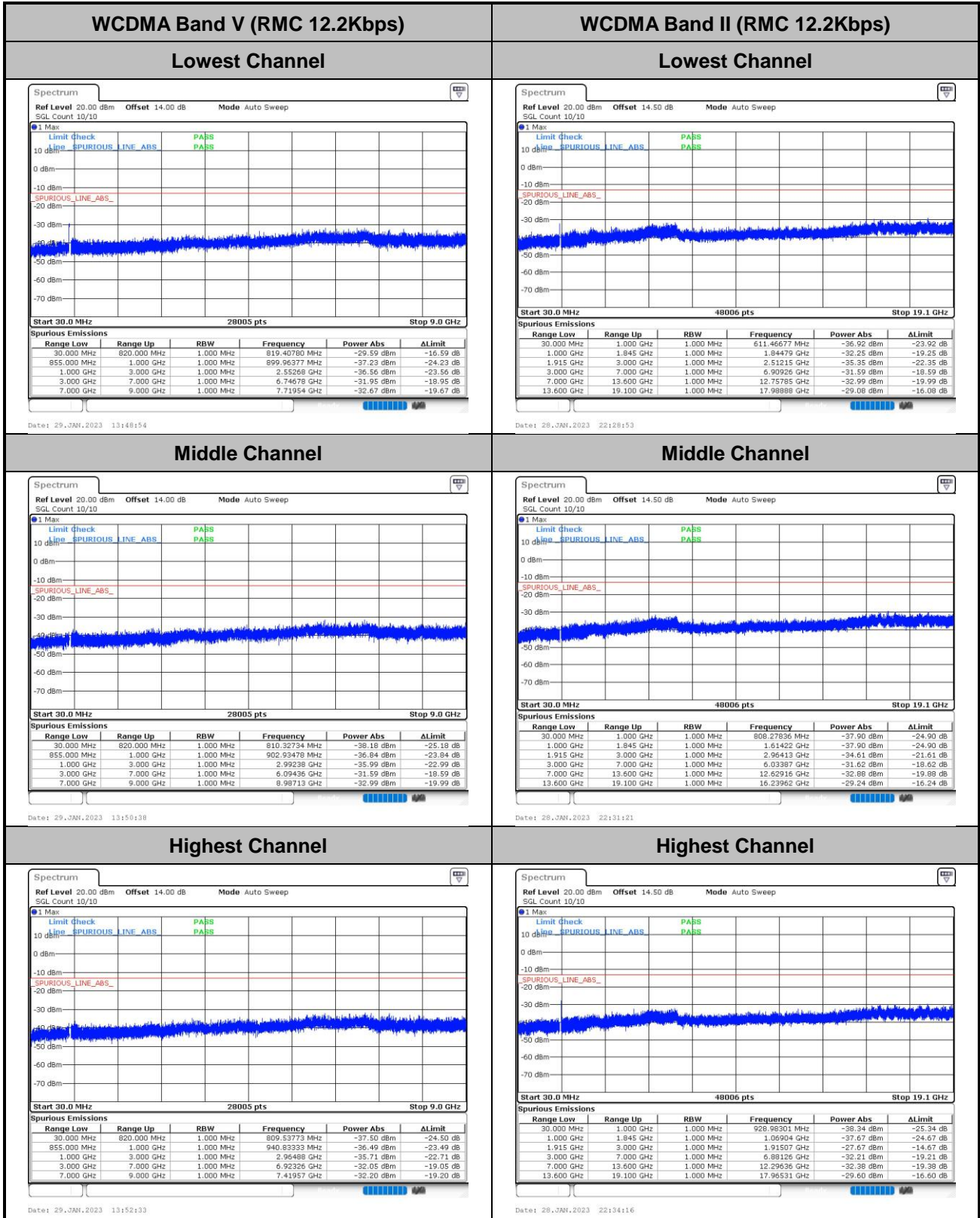
Conducted Band Edge

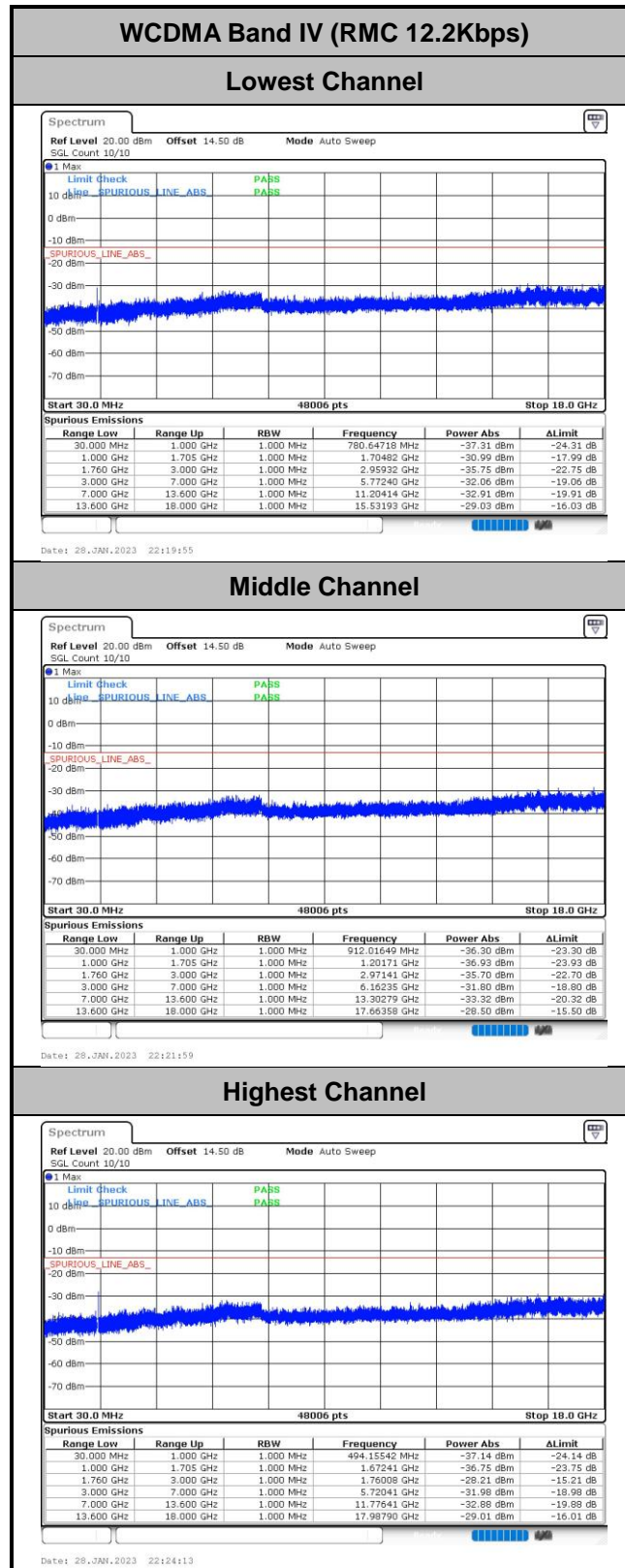






Conducted Spurious Emission







Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note: Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 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	0.0008	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45V
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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

GSM850 (GSM) / Ant.13									
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	-39.57	-13	-26.57	-46.82	-42.82	4.00	9.40	H
	2509.2	-56.25	-13	-43.25	-67.72	-59.82	4.88	10.60	H
	3345.6	-61.41	-13	-48.41	-75.53	-66.34	5.52	12.60	H
	1672.8	-48.67	-13	-35.67	-56.11	-51.92	4.00	9.40	V
	2509.2	-59.81	-13	-46.81	-71.40	-63.38	4.88	10.60	V
	3345.6	-60.16	-13	-47.16	-74.30	-65.09	5.52	12.60	V

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

GSM850 (EDGE class 8) / Ant.13									
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	-41.93	-13	-28.93	-49.18	-45.18	4.00	9.40	H
	2509.2	-55.19	-13	-42.19	-66.66	-58.76	4.88	10.60	H
	3345.6	-59.01	-13	-46.01	-73.13	-63.94	5.52	12.60	H
	1672.8	-47.26	-13	-34.26	-54.70	-50.51	4.00	9.40	V
	2509.2	-62.23	-13	-49.23	-73.82	-65.80	4.88	10.60	V
	3345.6	-61.56	-13	-48.56	-75.70	-66.49	5.52	12.60	V

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



GSM1900 (GSM) / Ant.13									
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	-53.07	-13	-40.07	-68.86	-59.82	5.85	12.60	H
	5640	-60.09	-13	-47.09	-79.55	-65.89	7.30	13.10	H
	7520	-55.94	-13	-42.94	-80.78	-59.09	8.35	11.50	H
	3760	-59.16	-13	-46.16	-74.51	-65.91	5.85	12.60	V
	5640	-61.86	-13	-48.86	-80.11	-67.66	7.30	13.10	V
	7520	-55.31	-13	-42.31	-80.57	-58.46	8.35	11.50	V

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

GSM1900 (EDGE class 8) / Ant.13									
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	-52.02	-13	-39.02	-67.81	-58.77	5.85	12.60	H
	5640	-60.58	-13	-47.58	-80.04	-66.38	7.30	13.10	H
	7520	-55.97	-13	-42.97	-80.81	-59.12	8.35	11.50	H
	3760	-58.64	-13	-45.64	-73.99	-65.39	5.85	12.60	V
	5640	-62.28	-13	-49.28	-80.53	-68.08	7.30	13.10	V
	7520	-55.70	-13	-42.70	-80.96	-58.85	8.35	11.50	V

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



WCDMA Band V(RMC 12.2Kbps) / Ant.13									
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	-66.50	-13	-53.50	-73.75	-69.75	4.00	9.40	H
	2509.2	-64.63	-13	-51.63	-76.10	-68.20	4.88	10.60	H
	3345.6	-63.17	-13	-50.17	-77.29	-68.10	5.52	12.60	H
	1672.8	-66.73	-13	-53.73	-74.17	-69.98	4.00	9.40	V
	2509.2	-64.54	-13	-51.54	-76.13	-68.11	4.88	10.60	V
	3345.6	-63.30	-13	-50.30	-77.44	-68.23	5.52	12.60	V

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

WCDMA Band II(RMC 12.2Kbps) / Ant.31									
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	-63.07	-13	-50.07	-78.86	-69.82	5.85	12.60	H
	5640	-61.56	-13	-48.56	-81.02	-67.36	7.30	13.10	H
	7520	-56.25	-13	-43.25	-81.09	-59.40	8.35	11.50	H
	3760	-63.96	-13	-50.96	-79.31	-70.71	5.85	12.60	V
	5640	-62.67	-13	-49.67	-80.92	-68.47	7.30	13.10	V
	7520	-55.68	-13	-42.68	-80.94	-58.83	8.35	11.50	V

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

WCDMA Band IV(RMC 12.2Kbps) / Ant.13									
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	-63.47	-13	-50.47	-77.87	-70.32	5.65	12.50	H
	5197.8	-61.91	-13	-48.91	-81.13	-67.58	7.13	12.80	H
	6930.4	-58.34	-13	-45.34	-81.30	-61.74	8.40	11.80	H
	3465.2	-63.49	-13	-50.49	-77.92	-70.34	5.65	12.50	V
	5197.8	-62.66	-13	-49.66	-81.5	-68.33	7.13	12.80	V
	6930.4	-57.53	-13	-44.53	-80.78	-60.93	8.40	11.80	V

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