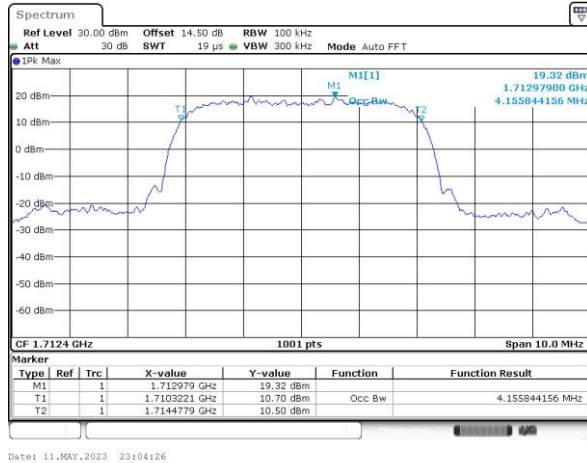




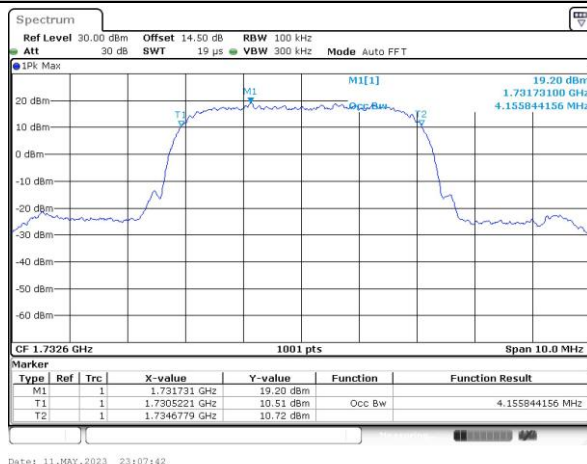
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



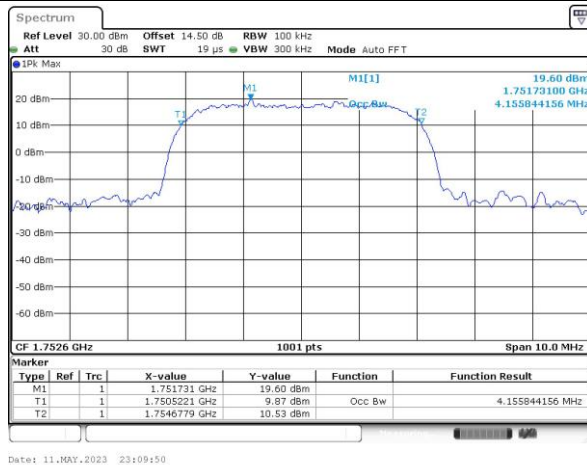
Date: 11.MAY.2023 23:04:26

Middle Channel



Date: 11.MAY.2023 23:07:42

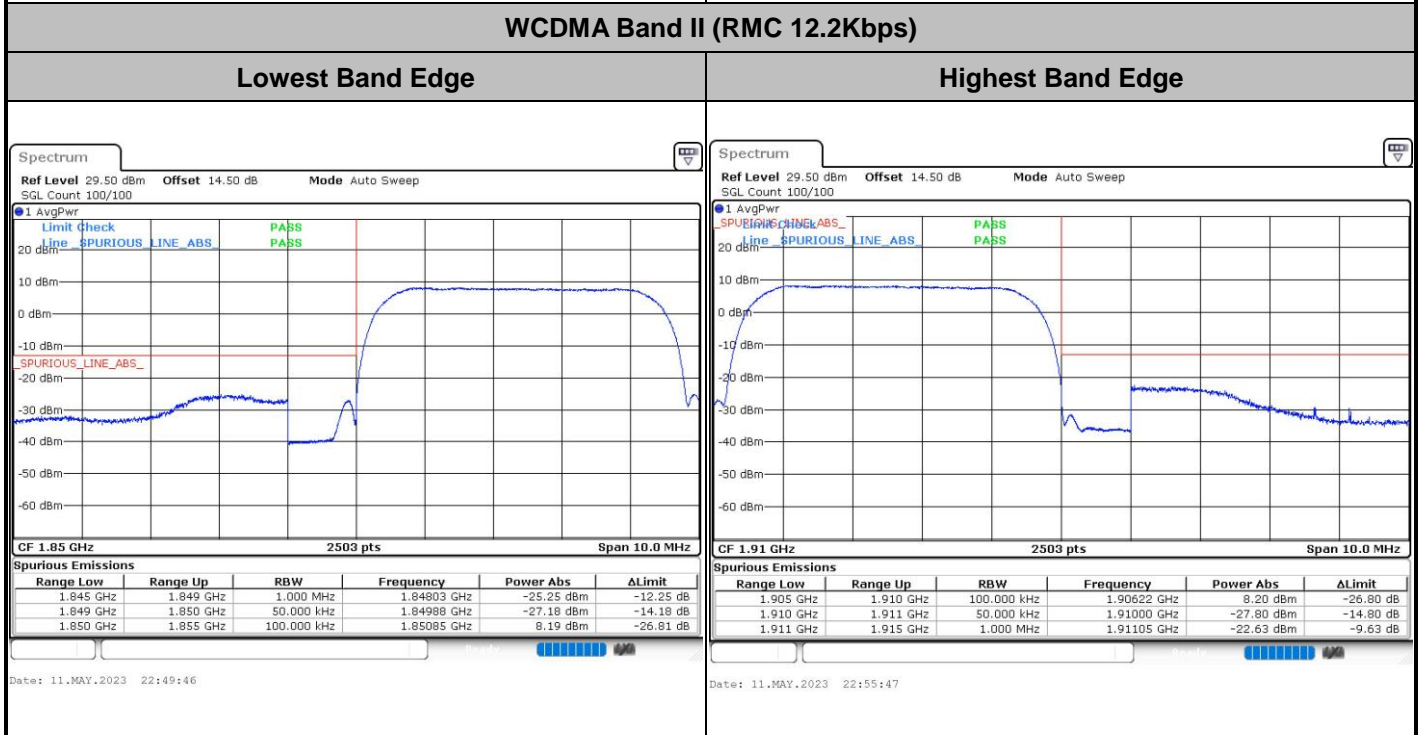
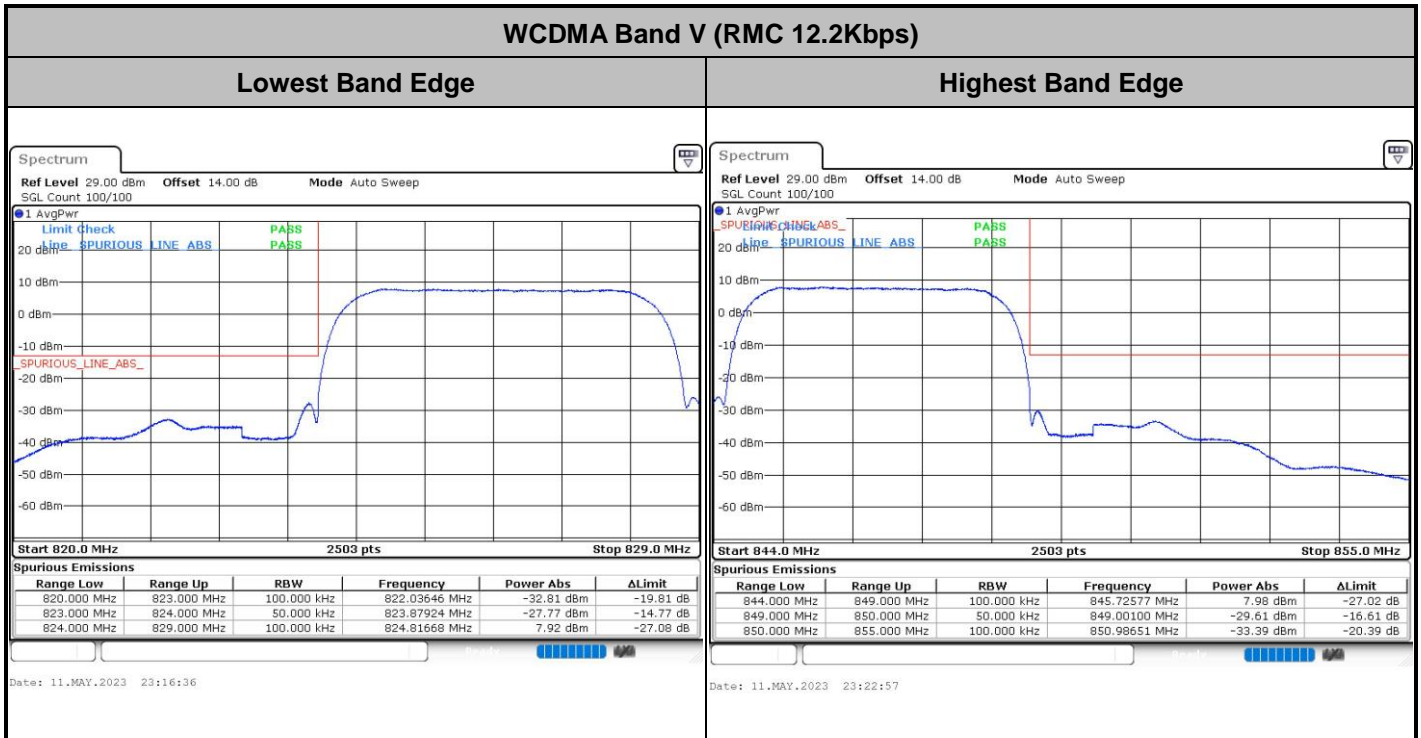
Highest Channel

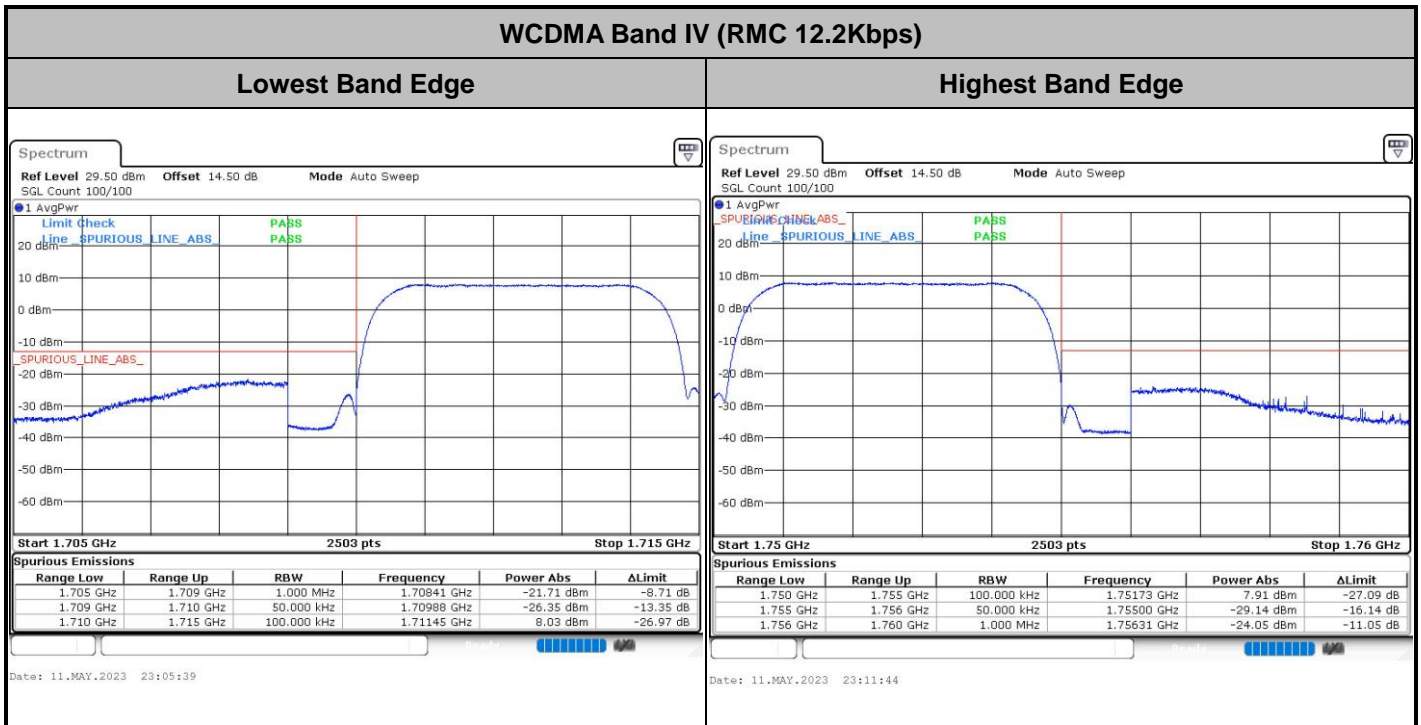


Date: 11.MAY.2023 23:09:50



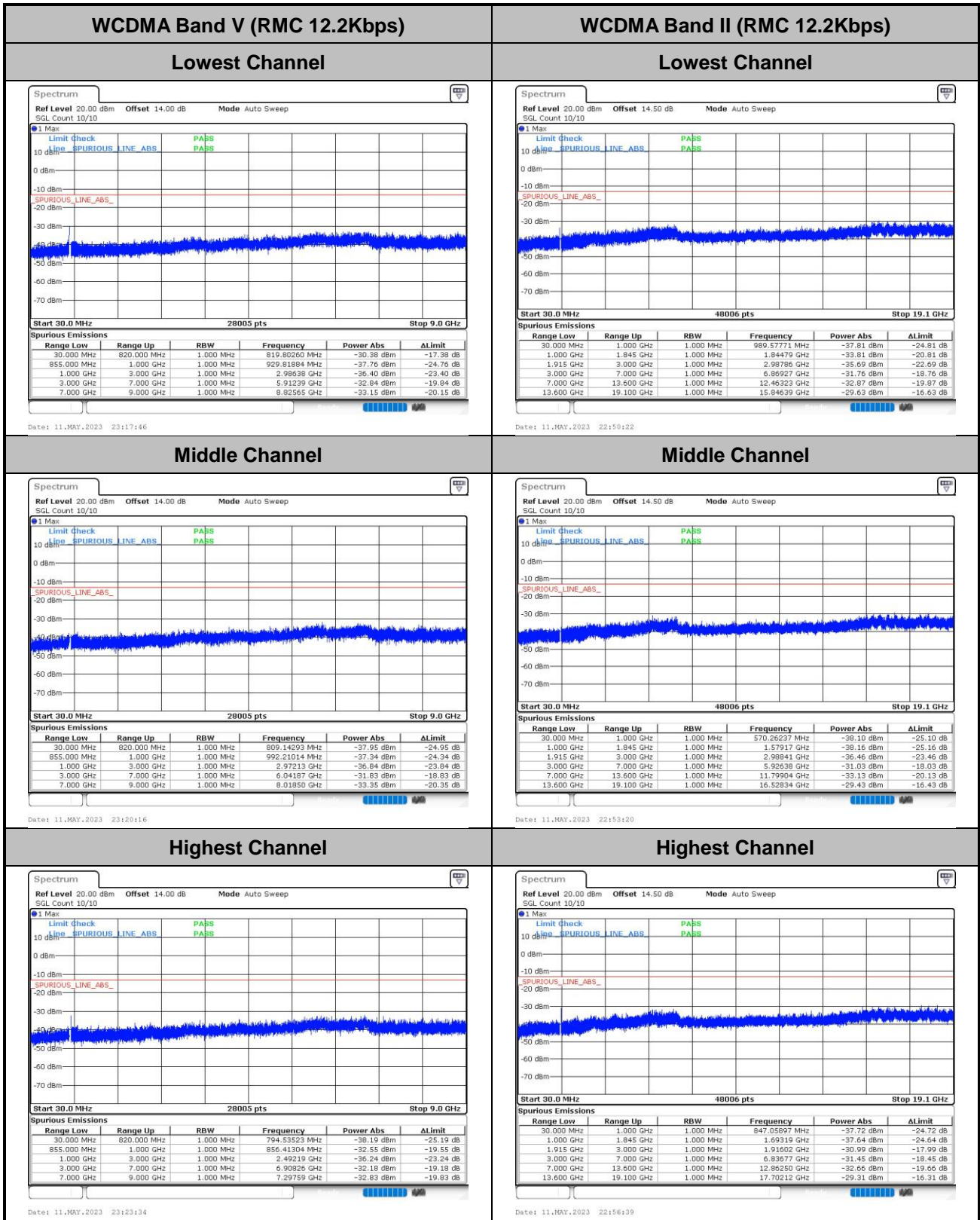
Conducted Band Edge







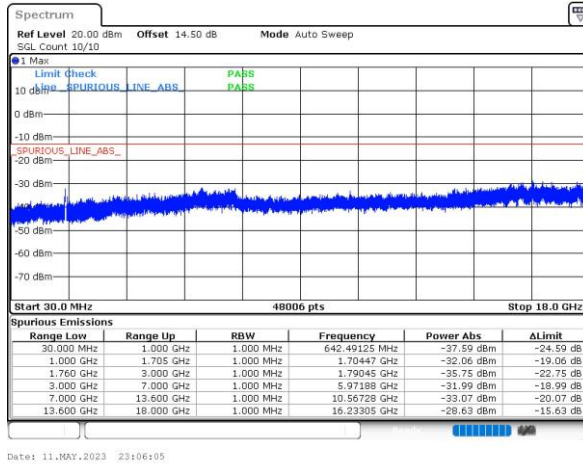
Conducted Spurious Emission





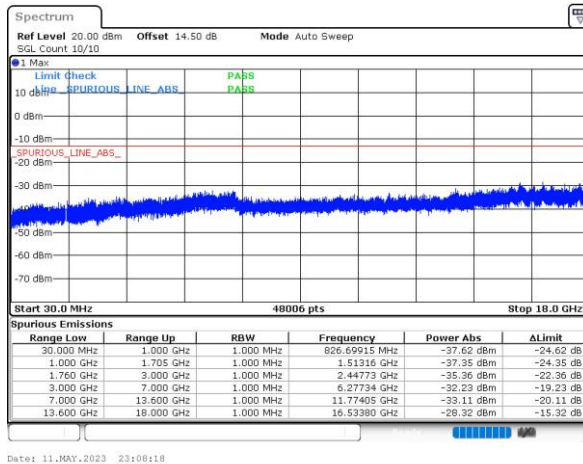
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



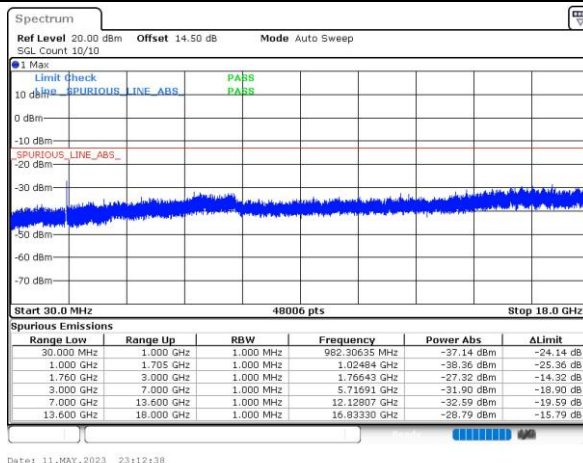
Date: 11.MAY.2023 23:06:05

Middle Channel



Date: 11.MAY.2023 23:08:18

Highest Channel



Date: 11.MAY.2023 23:12:38



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	0.0016	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0166	
0	Normal Voltage	0.0171	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0163	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0061	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0067	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0072	

Note:

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; 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 :	Wenbo Xiao	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)
Middle	1672.8	-58.86	-13	-45.86	-66.11	-62.11	4.00	9.40	H
	2509.2	-58.58	-13	-45.58	-70.05	-62.15	4.88	10.60	H
	3345.6	-63.45	-13	-50.45	-77.57	-68.38	5.52	12.60	H
	1672.8	-66.03	-13	-53.03	-73.47	-69.28	4.00	9.40	V
	2509.2	-59.28	-13	-46.28	-70.87	-62.85	4.88	10.60	V
	3345.6	-63.60	-13	-50.60	-77.74	-68.53	5.52	12.60	V

GSM850 (EDGE)									
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	-66.80	-13	-53.80	-74.05	-70.05	4.00	9.40	H
	2509.2	-63.88	-13	-50.88	-75.35	-67.45	4.88	10.60	H
	3345.6	-64.03	-13	-51.03	-78.15	-68.96	5.52	12.60	H
	1672.8	-66.91	-13	-53.91	-74.35	-70.16	4.00	9.40	V
	2509.2	-59.67	-13	-46.67	-71.26	-63.24	4.88	10.60	V
	3345.6	-63.94	-13	-50.94	-78.08	-68.87	5.52	12.60	V

GSM1900 (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	3760	-62.93	-13	-49.93	-78.72	-69.68	5.85	12.60	H
	5640	-59.34	-13	-46.34	-78.80	-65.14	7.30	13.10	H
	7520	-56.07	-13	-43.07	-80.91	-59.22	8.35	11.50	H
	3760	-63.45	-13	-50.45	-78.8	-70.20	5.85	12.60	V
	5640	-62.41	-13	-49.41	-80.66	-68.21	7.30	13.10	V
	7520	-55.54	-13	-42.54	-80.8	-58.69	8.35	11.50	V



GSM1900 (EDGE)									
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	3760	-63.24	-13	-50.24	-79.03	-69.99	5.85	12.60	H
	5640	-59.84	-13	-46.84	-79.30	-65.64	7.30	13.10	H
	7520	-56.03	-13	-43.03	-80.87	-59.18	8.35	11.50	H
	3760	-63.61	-13	-50.61	-78.96	-70.36	5.85	12.60	V
	5640	-62.25	-13	-49.25	-80.5	-68.05	7.30	13.10	V
	7520	-55.55	-13	-42.55	-80.81	-58.70	8.35	11.50	V

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)
Middle	3760	-63.13	-13	-50.13	-78.92	-69.88	5.85	12.60	H
	5640	-60.37	-13	-47.37	-79.83	-66.17	7.30	13.10	H
	7520	-52.75	-13	-39.75	-77.59	-55.90	8.35	11.50	H
	3760	-63.31	-13	-50.31	-78.66	-70.06	5.85	12.60	V
	5640	-62.35	-13	-49.35	-80.6	-68.15	7.30	13.10	V
	7520	-52.07	-13	-39.07	-77.33	-55.22	8.35	11.50	V

WCDMA Band IV(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)
Middle	3465.2	-63.62	-13	-50.62	-78.02	-70.47	5.65	12.50	H
	5197.8	-61.93	-13	-48.93	-81.15	-67.60	7.13	12.80	H
	6930.4	-57.28	-13	-44.28	-80.24	-60.68	8.40	11.80	H
	3465.2	-63.60	-13	-50.60	-78.03	-70.45	5.65	12.50	V
	5197.8	-62.43	-13	-49.43	-81.27	-68.10	7.13	12.80	V
	6930.4	-57.25	-13	-44.25	-80.5	-60.65	8.40	11.80	V

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)
Middle	1672.8	-68.63	-13	-55.63	-75.88	-71.88	4.00	9.40	H
	2509.2	-65.64	-13	-52.64	-77.11	-69.21	4.88	10.60	H
	3345.6	-64.08	-13	-51.08	-78.20	-69.01	5.52	12.60	H
	1672.8	-67.41	-13	-54.41	-74.85	-70.66	4.00	9.40	V
	2509.2	-64.89	-13	-51.89	-76.48	-68.46	4.88	10.60	V
	3345.6	-64.16	-13	-51.16	-78.30	-69.09	5.52	12.60	V

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