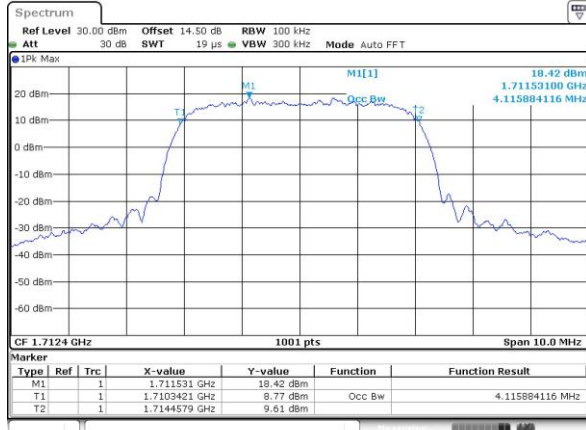




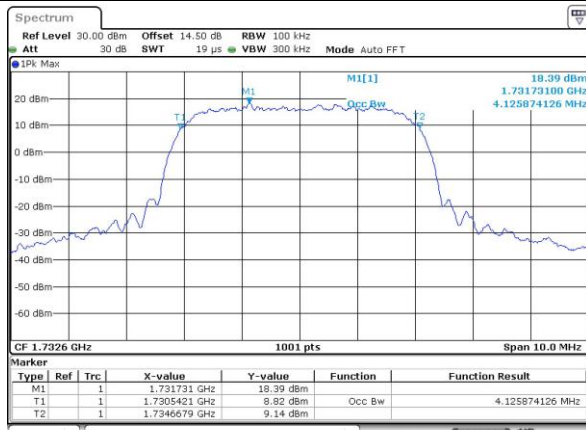
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



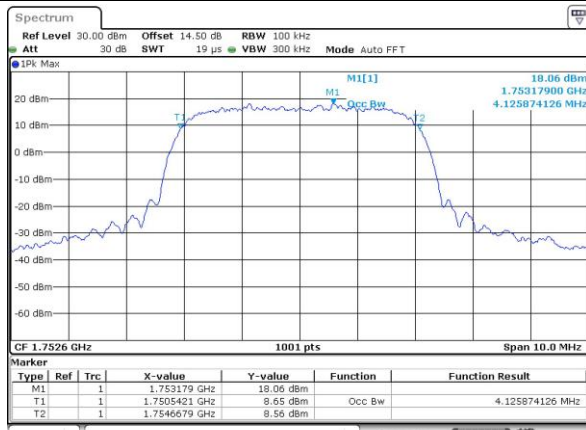
Date: 7,NOV,2023 10:30:51

Middle Channel



Date: 7,NOV,2023 10:34:54

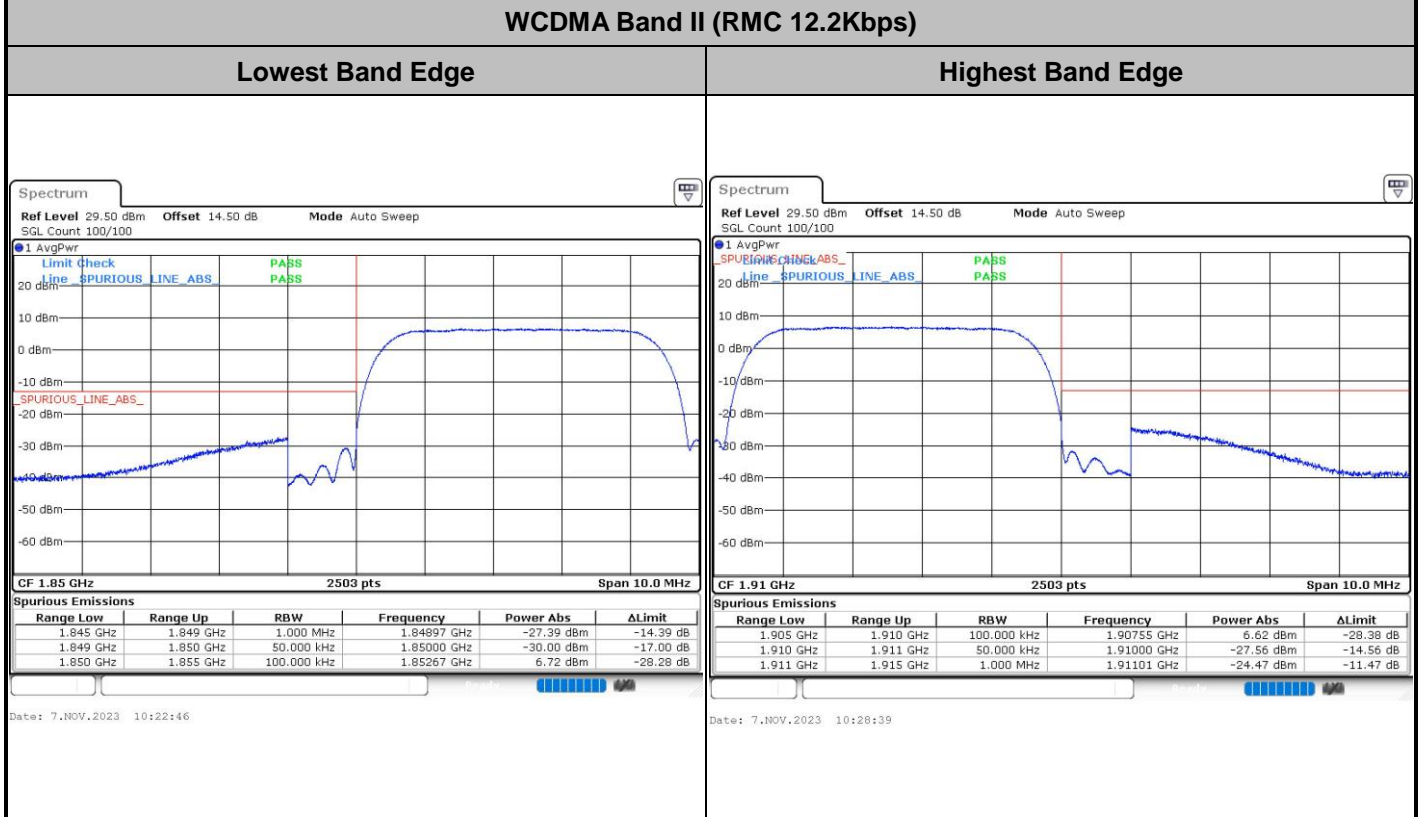
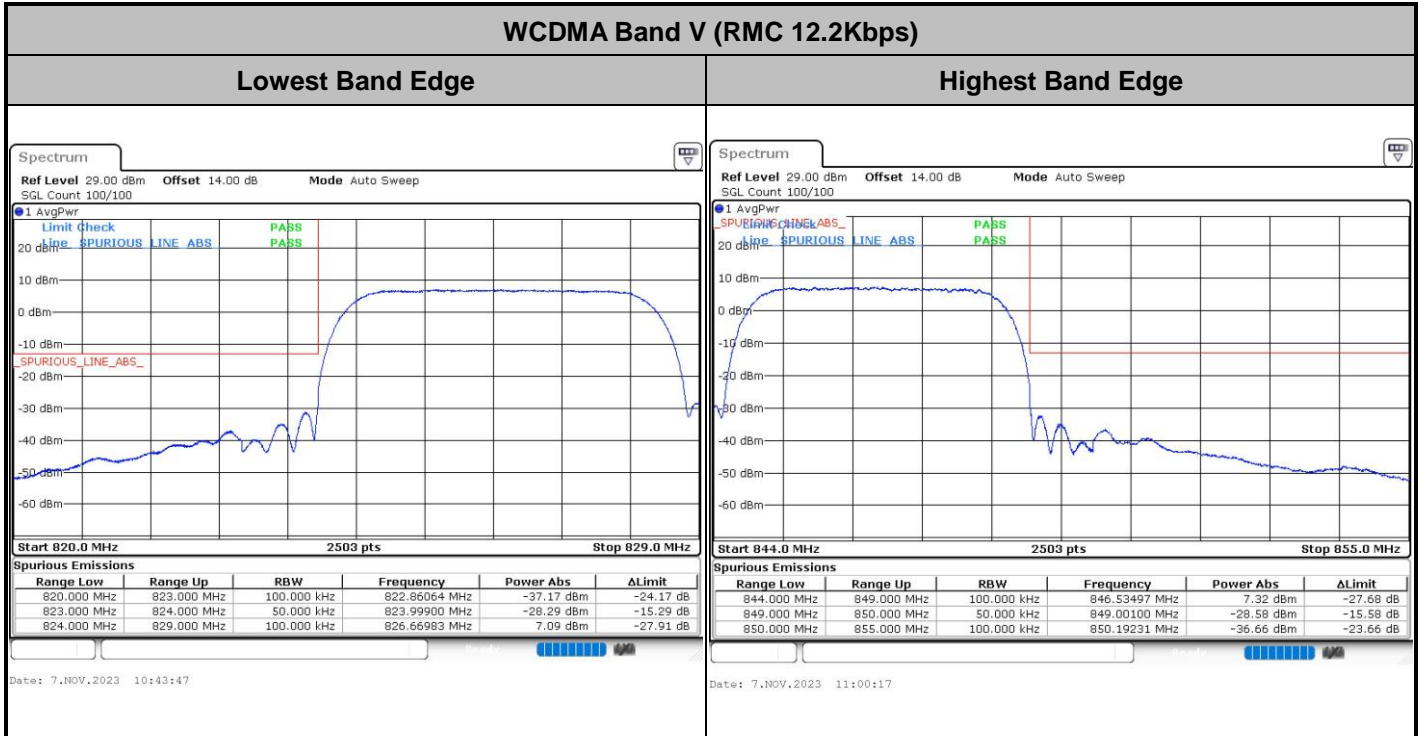
Highest Channel

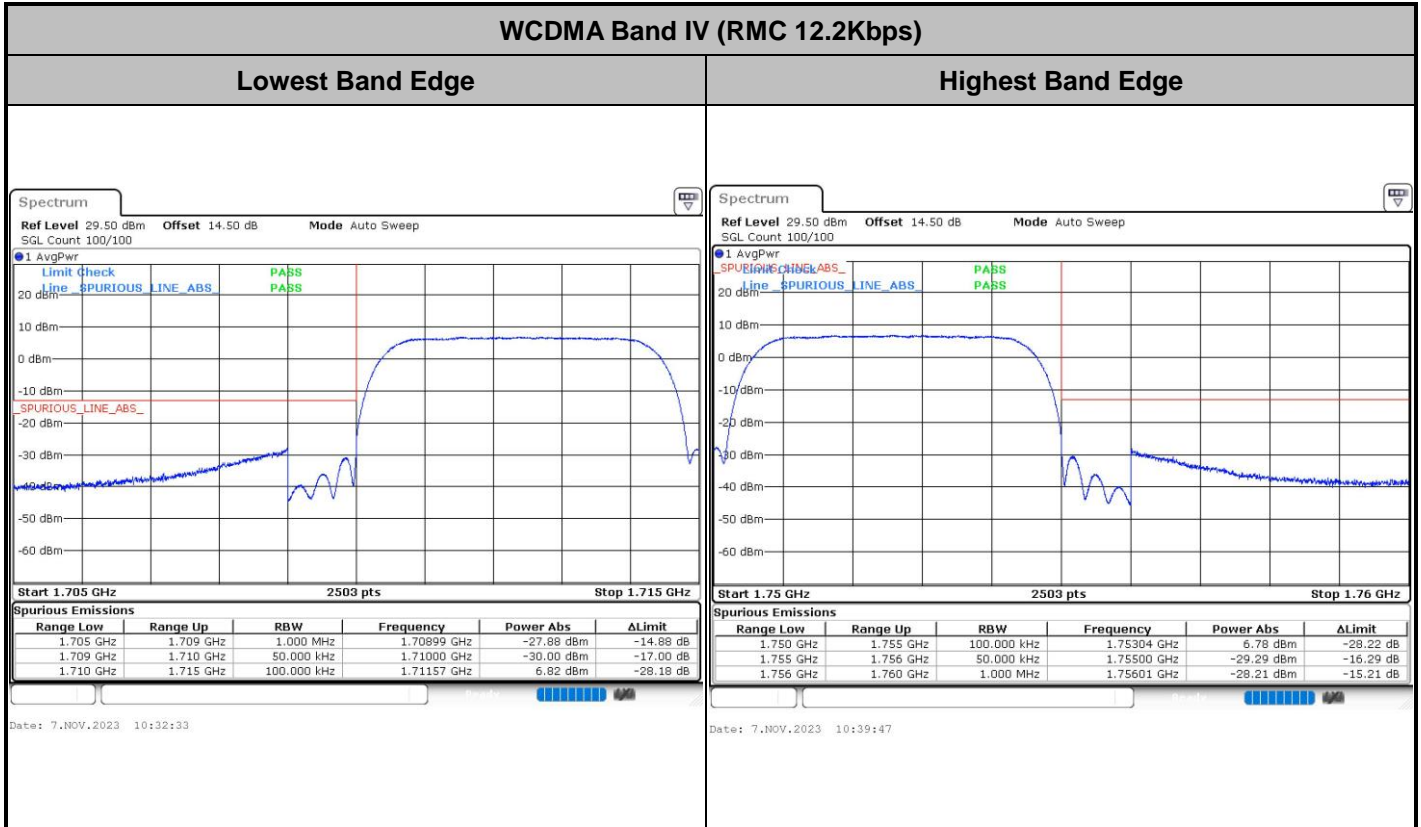


Date: 7,NOV,2023 10:38:49



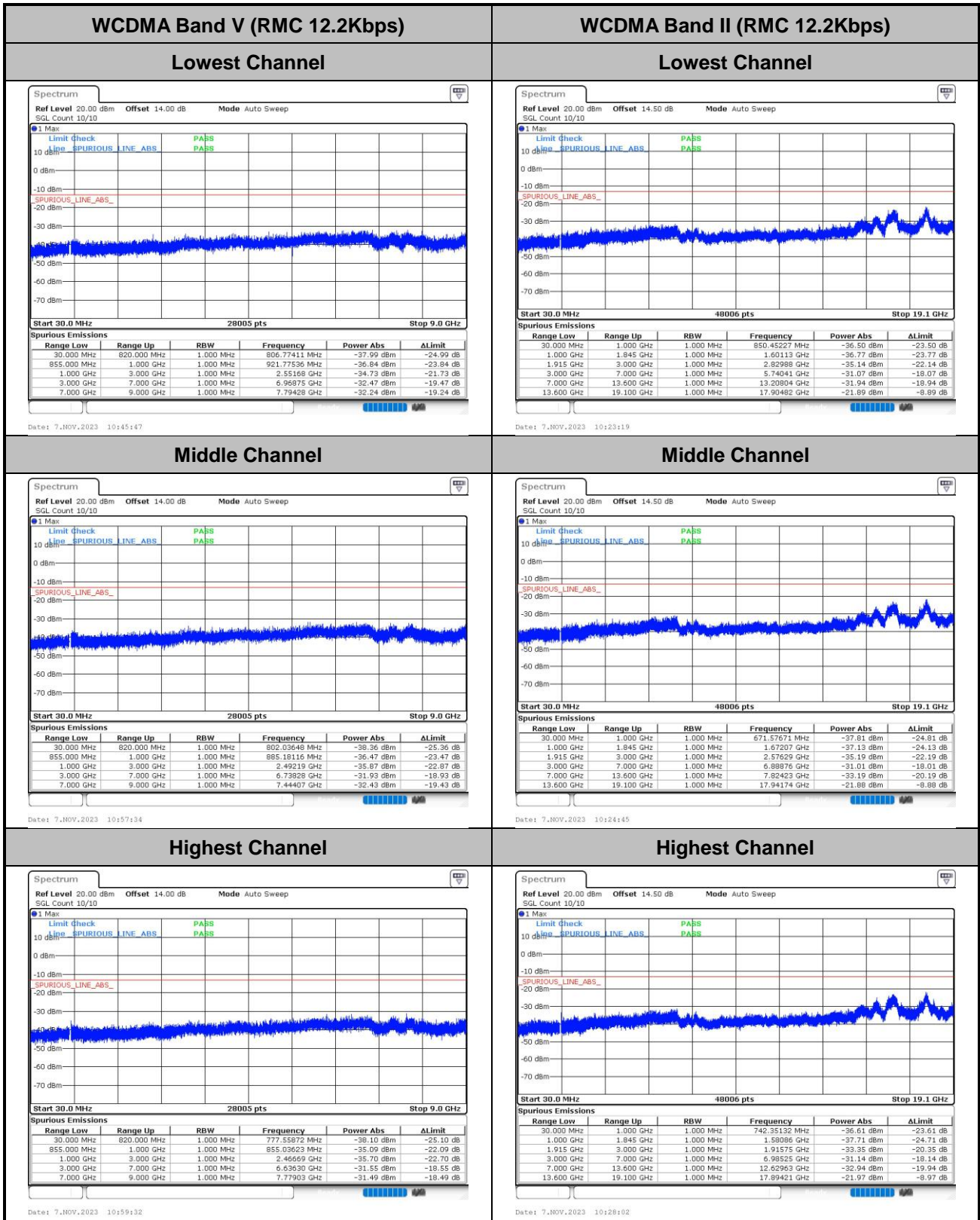
Conducted Band Edge

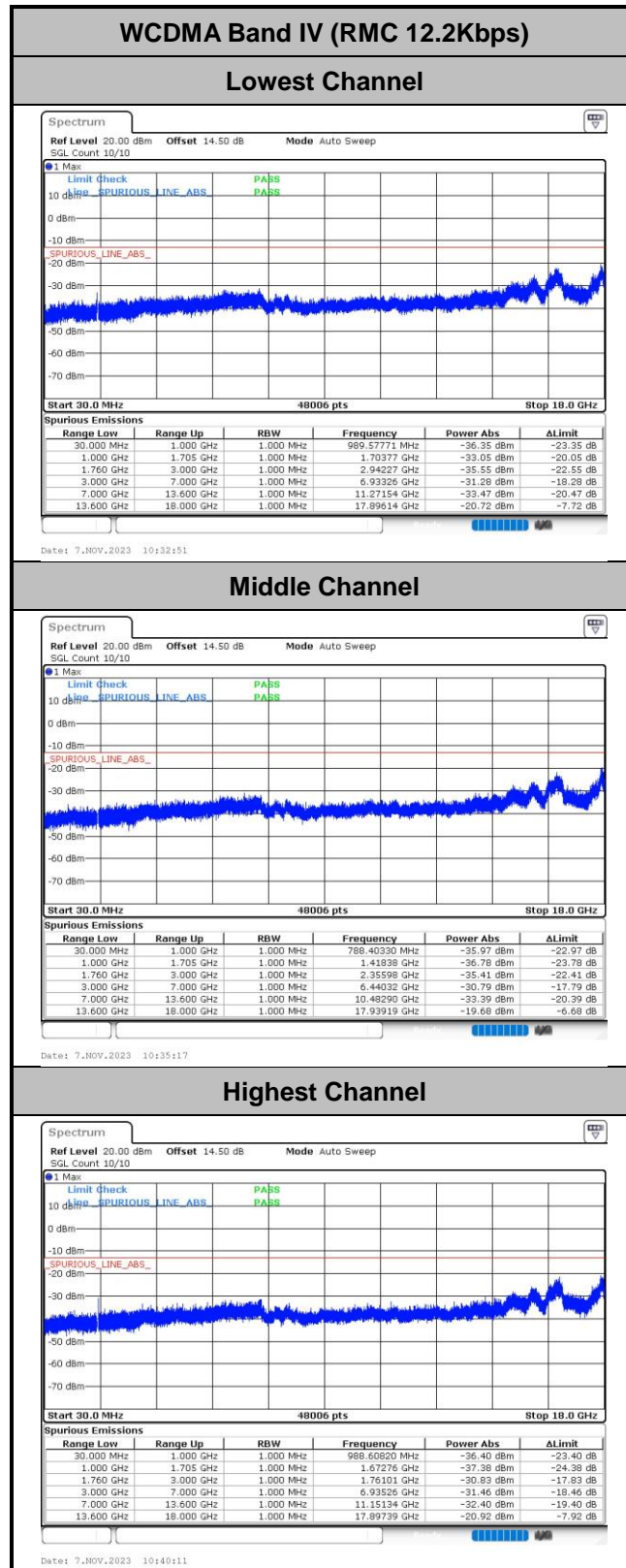






Conducted Spurious Emission







Frequency Stability

Table with 4 columns: Test Conditions, Middle Channel, WCDMA Band V (RMC 12.2Kbps), Limit 2.5ppm. Rows include Temperature (°C) and Voltage (Volt) for various conditions, with a 'Result' column showing 'PASS'.

Table with 4 columns: Test Conditions, Middle Channel, WCDMA Band II (RMC 12.2Kbps), Limit Note 2. Rows include Temperature (°C) and Voltage (Volt) for various conditions, with a 'Result' column showing 'PASS'.

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 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	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 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 :	ZhanSheng Liu	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	-55.15	-13	-42.15	-67.41	-58.40	4.00	9.40	H
	2509.2	-49.60	-13	-36.60	-69.10	-53.17	4.88	10.60	H
	3345.6	-47.61	-13	-34.61	-68.95	-52.54	5.52	12.60	H
	4182	-51.66	-13	-38.66	-73.44	-56.13	6.00	12.62	H
	1672.8	-59.00	-13	-46.00	-71.97	-62.25	4.00	9.40	V
	2509.2	-55.11	-13	-42.11	-74.82	-58.68	4.88	10.60	V
	3345.6	-51.82	-13	-38.82	-73.46	-56.75	5.52	12.60	V
	4182	-53.02	-13	-40.02	-77.33	-57.49	6.00	12.62	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)
Middle	1672.8	-55.59	-13	-42.59	-67.85	-58.84	4.00	9.40	H
	2509.2	-50.65	-13	-37.65	-70.15	-54.22	4.88	10.60	H
	3345.6	-49.97	-13	-36.97	-71.31	-54.90	5.52	12.60	H
	4182	-53.95	-13	-40.95	-75.73	-58.42	6.00	12.62	H
	1672.8	-60.02	-13	-47.02	-72.99	-63.27	4.00	9.40	V
	2509.2	-53.88	-13	-40.88	-73.59	-57.45	4.88	10.60	V
	3345.6	-56.88	-13	-43.88	-78.52	-61.81	5.52	12.60	V
	4182	-51.96	-13	-38.96	-76.27	-56.43	6.00	12.62	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)
Middle	3760	-57.43	-13	-44.43	-79.92	-64.18	5.85	12.60	H
	5640	-56.93	-13	-43.93	-81.33	-62.73	7.30	13.10	H
	7520	-54.73	-13	-41.73	-81.61	-57.88	8.35	11.50	H
	3760	-54.36	-13	-41.36	-80.01	-61.11	5.85	12.60	H
	5640	-56.49	-13	-43.49	-81.04	-62.29	7.30	13.10	H
	7520	-54.55	-13	-41.55	-81.41	-57.70	8.35	11.50	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)
Middle	3760	-57.29	-13	-44.29	-79.78	-64.04	5.85	12.60	H
	5640	-56.70	-13	-43.70	-81.10	-62.50	7.30	13.10	H
	7520	-54.01	-13	-41.01	-80.89	-57.16	8.35	11.50	H
	3760	-54.68	-13	-41.68	-80.33	-61.43	5.85	12.60	H
	5640	-56.58	-13	-43.58	-81.13	-62.38	7.30	13.10	H
	7520	-53.65	-13	-40.65	-80.51	-56.80	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)									
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	-60.60	-13	-47.60	-72.86	-63.85	4.00	9.40	H
	2509.2	-58.16	-13	-45.16	-77.66	-61.73	4.88	10.60	H
	3345.6	-57.73	-13	-44.73	-79.07	-62.66	5.52	12.60	H
	1672.8	-62.50	-13	-49.50	-75.47	-65.75	4.00	9.40	H
	2509.2	-58.23	-13	-45.23	-77.94	-61.80	4.88	10.60	H
	3345.6	-57.88	-13	-44.88	-79.52	-62.81	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)									
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	-49.23	-13	-36.23	-71.72	-55.98	5.85	12.60	H
	5640	-56.94	-13	-43.94	-81.34	-62.74	7.30	13.10	H
	7520	-53.61	-13	-40.61	-80.49	-56.76	8.35	11.50	H
	3760	-49.58	-13	-36.58	-75.23	-56.33	5.85	12.60	H
	5640	-55.53	-13	-42.53	-80.08	-61.33	7.30	13.10	H
	7520	-54.43	-13	-41.43	-81.29	-57.58	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)									
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	-56.66	-13	-43.66	-78.91	-63.51	5.65	12.50	H
	5197.8	-56.28	-13	-43.28	-81.13	-61.95	7.13	12.80	H
	6930.4	-55.20	-13	-42.20	-81.49	-58.60	8.40	11.80	H
	3465.2	-55.39	-13	-42.39	-77.44	-62.24	5.65	12.50	H
	5197.8	-56.41	-13	-43.41	-81.53	-62.08	7.13	12.80	H
	6930.4	-54.14	-13	-41.14	-81.35	-57.54	8.40	11.80	V

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