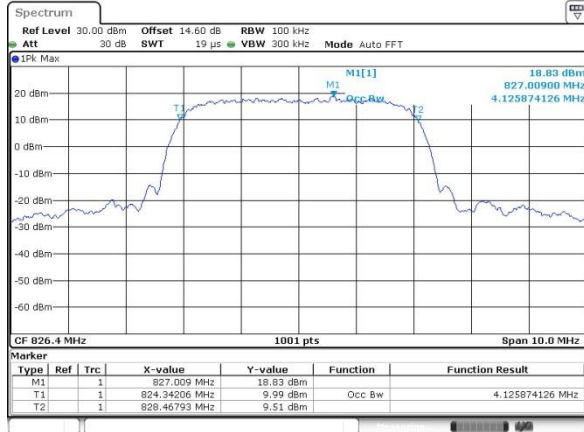




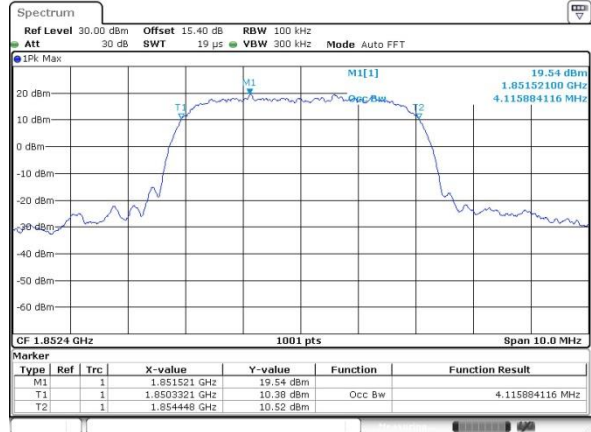
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

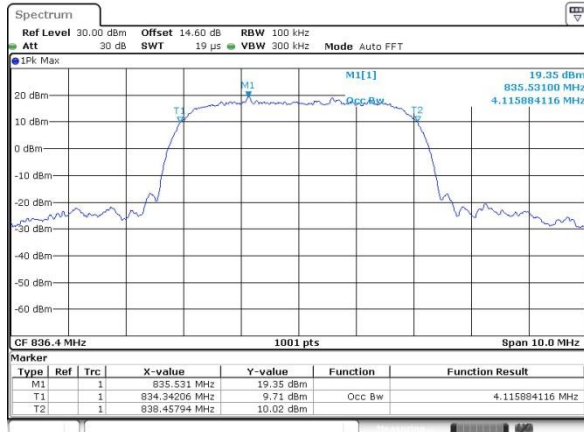


WCDMA Band II (RMC 12.2Kbps)

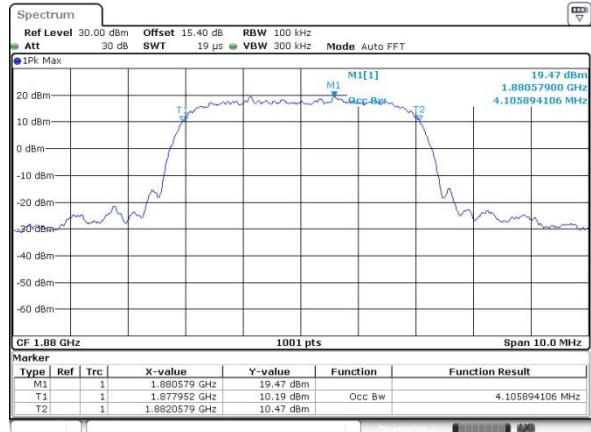
Lowest Channel



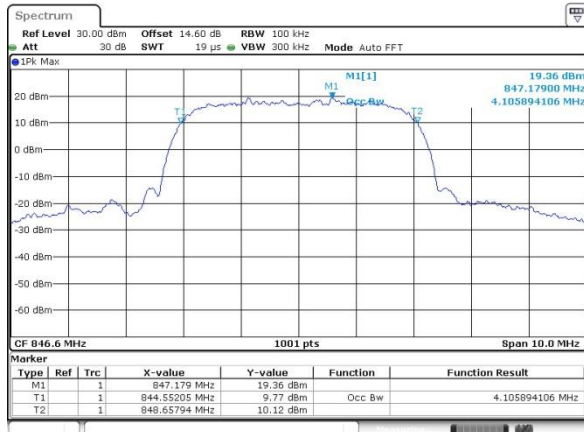
Middle Channel



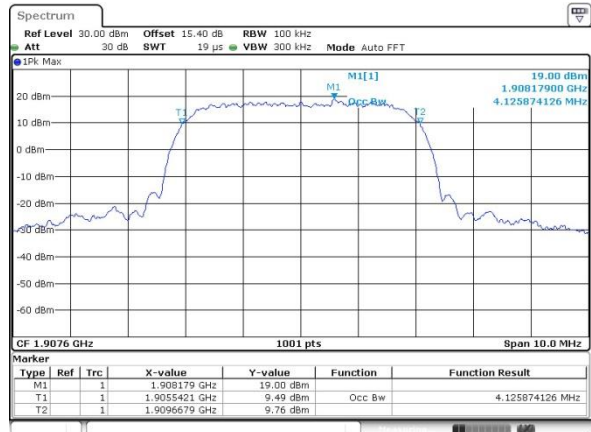
Middle Channel



Highest Channel



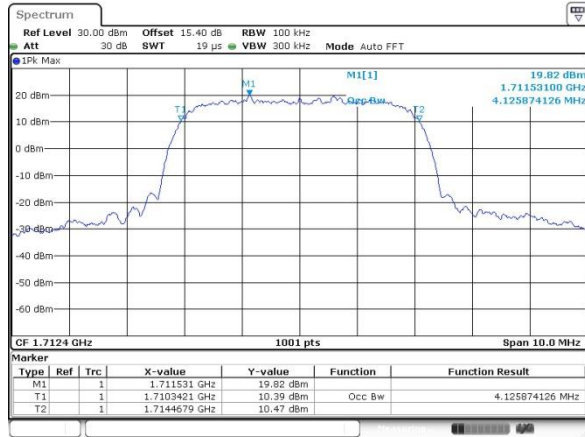
Highest Channel



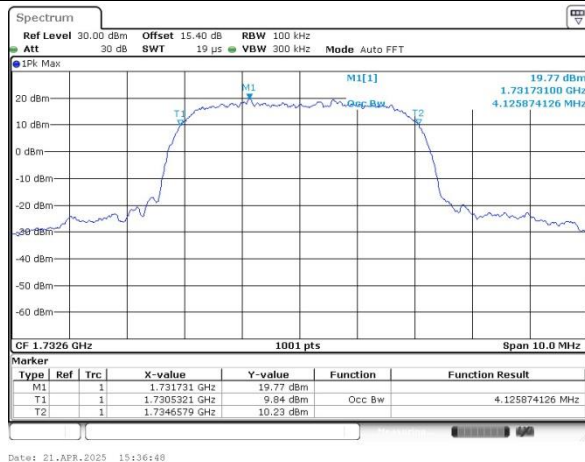


WCDMA Band IV (RMC 12.2Kbps)

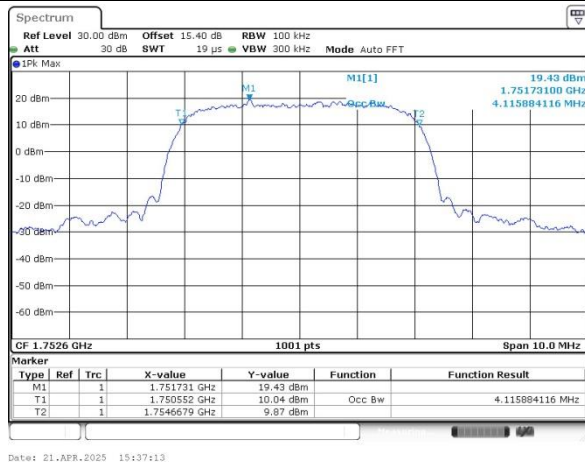
Lowest Channel



Middle Channel



Highest Channel

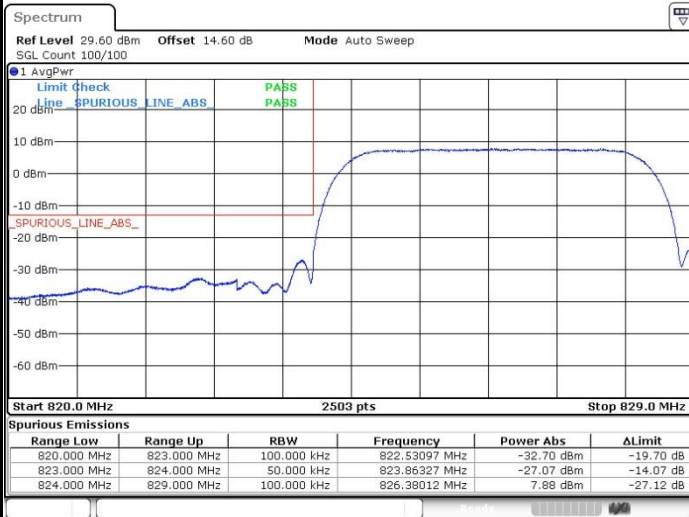




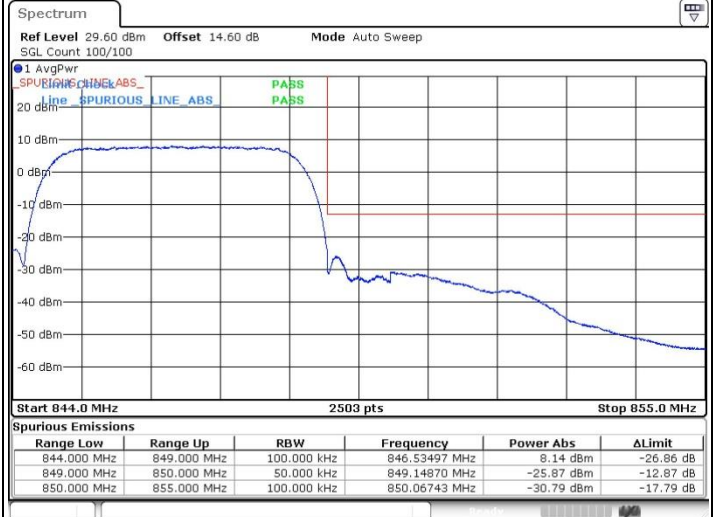
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

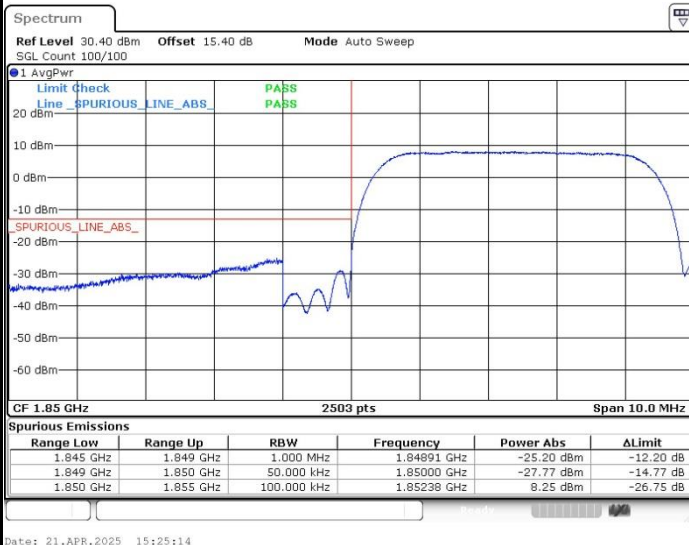


Highest Band Edge

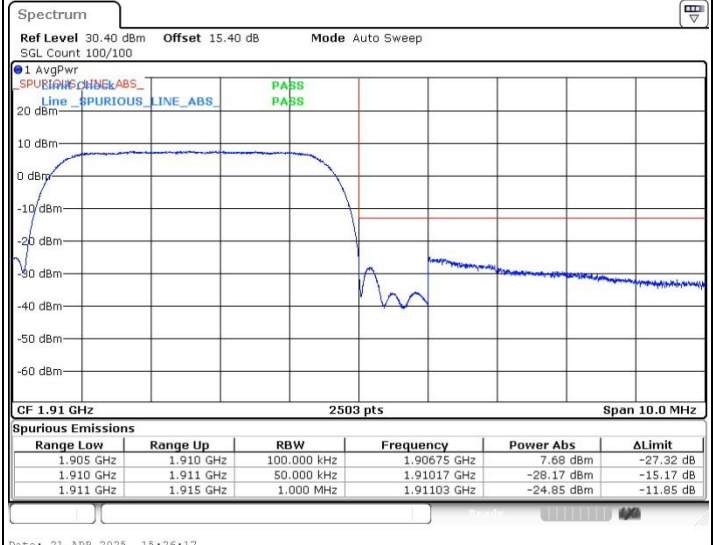


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

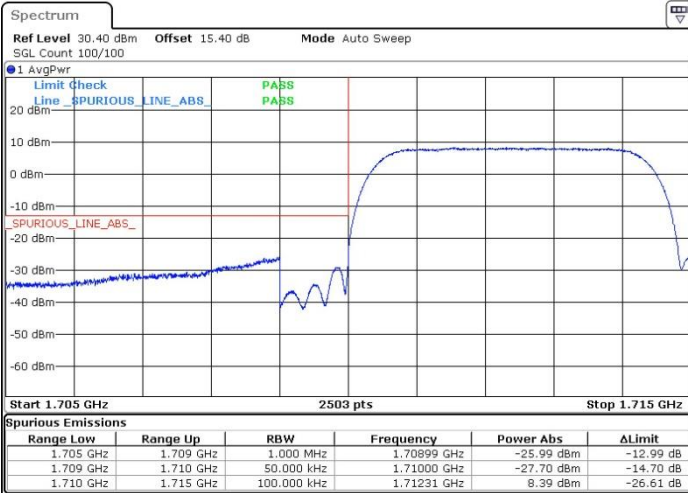




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



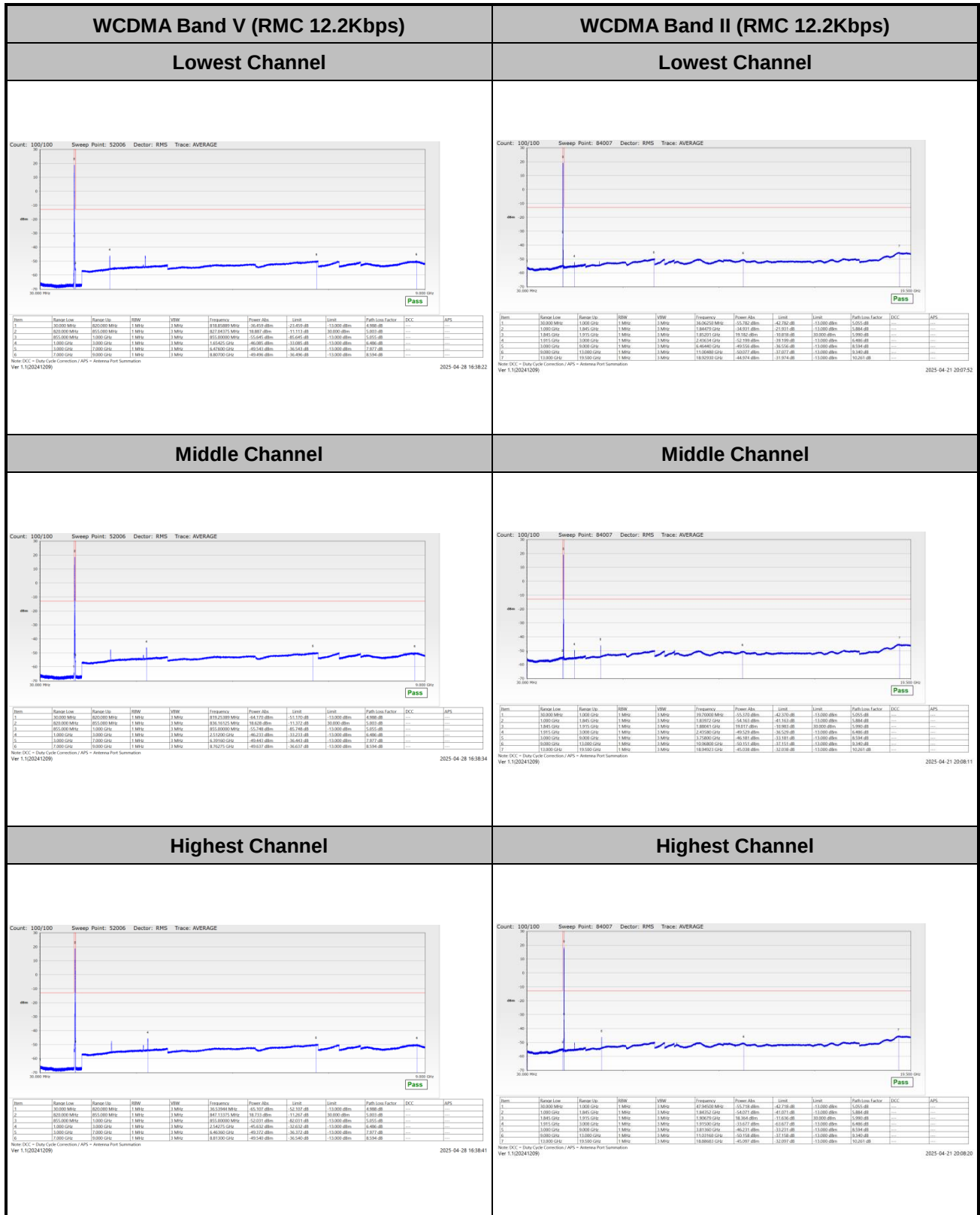
Date: 21.APR.2025 15:39:09



Date: 21.APR.2025 15:39:53



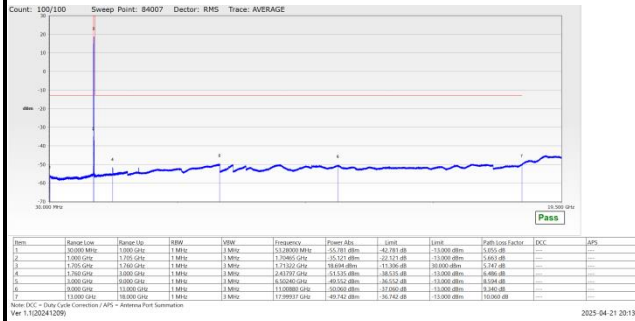
Conducted Spurious Emission



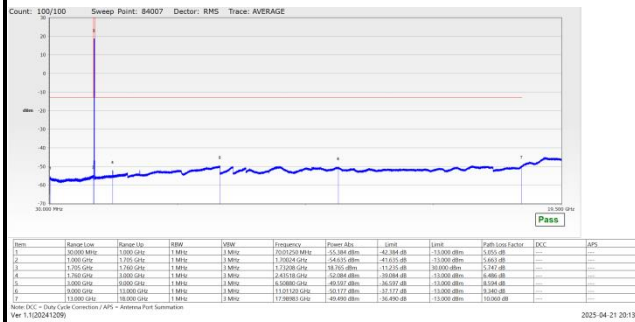


WCDMA Band IV (RMC 12.2Kbps)

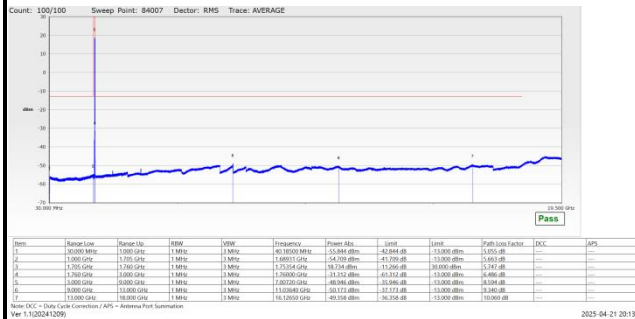
Lowest Channel



Middle Channel



Highest Channel



**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	0.0043	PASS
40	Normal Voltage	0.0258	
30	Normal Voltage	0.0371	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0355	
-10	Normal Voltage	0.0089	
-20	Normal Voltage	0.0249	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0428	
20	Normal Voltage	0.0121	
20	Minimum Voltage	0.0055	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0147	PASS
40	Normal Voltage	0.0124	
30	Normal Voltage	0.0266	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0274	
0	Normal Voltage	0.0158	
-10	Normal Voltage	0.0244	
-20	Normal Voltage	0.0099	
-30	Normal Voltage	0.0134	
20	Maximum Voltage	0.0154	
20	Normal Voltage	0.0145	
20	Minimum Voltage	0.0041	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0231	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0152	
-10	Normal Voltage	0.0125	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0037	
20	Minimum Voltage	0.0122	

Note:

1. Normal Voltage = 12V ; Minimum Voltage =10.8V. ; Maximum Voltage =13.2V
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 :	Jake	Temperature :	21~25°C
		Relative Humidity :	52~53%

GSM850 (GPRS 1 Tx slots)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1648	-29.52	-13	-16.52	-36.49	1.58	10.70	H
	2512	-61.12	-13	-48.12	-69.37	2.102	12.50	H
	3344	-60.15	-13	-47.15	-69.04	2.856	13.90	H
	1648	-25.78	-13	-12.78	-32.75	1.58	10.70	V
	2512	-60.50	-13	-47.50	-68.75	2.10	12.50	V
	3344	-60.17	-13	-47.17	-69.06	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1648	-28.14	-13	-15.14	-35.11	1.58	10.70	H
	2512	-61.20	-13	-48.20	-69.45	2.102	12.50	H
	3344	-60.40	-13	-47.40	-69.29	2.856	13.90	H
	1648	-26.18	-13	-13.18	-33.15	1.58	10.70	V
	2512	-60.37	-13	-47.37	-68.62	2.10	12.50	V
	3344	-60.23	-13	-47.23	-69.12	2.86	13.90	V

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

GSM1900 (GPRS 1 Tx slots)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-44.42	-13	-31.42	-56.68	2.64	14.90	H
	5640	-51.18	-13	-38.18	-63.04	2.94	14.80	H
	7515	-53.12	-13	-40.12	-62.89	3.39	13.16	H
	3765	-46.76	-13	-33.76	-59.02	2.64	14.90	V
	5640	-50.33	-13	-37.33	-62.19	2.94	14.80	V
	7515	-53.31	-13	-40.31	-63.08	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-45.07	-13	-32.07	-57.33	2.64	14.90	H
	5640	-45.67	-13	-32.67	-57.53	2.94	14.80	H
	7515	-53.17	-13	-40.17	-62.94	3.39	13.16	H
	3765	-44.01	-13	-31.01	-56.27	2.64	14.90	V
	5640	-49.30	-13	-36.30	-61.16	2.94	14.80	V
	7515	-52.87	-13	-39.87	-62.64	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-58.49	-13	-45.49	-65.46	1.58	10.70	H
	2512	-60.81	-13	-47.81	-69.06	2.102	12.50	H
	3344	-59.84	-13	-46.84	-68.73	2.856	13.90	H
	1672	-54.50	-13	-41.50	-61.47	1.58	10.70	V
	2512	-60.07	-13	-47.07	-68.32	2.10	12.50	V
	3344	-59.93	-13	-46.93	-68.82	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-53.36	-13	-40.36	-65.62	2.64	14.90	H
	5640	-54.59	-13	-41.59	-66.45	2.94	14.80	H
	7515	-50.33	-13	-37.33	-60.10	3.39	13.16	H
	3765	-53.53	-13	-40.53	-65.79	2.64	14.90	V
	5640	-55.29	-13	-42.29	-67.15	2.94	14.80	V
	7515	-50.75	-13	-37.75	-60.52	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-56.36	-13	-43.36	-67.10	2.604	13.34	H
	5190	-54.86	-13	-41.86	-65.37	3.011	13.52	H
	6930	-53.15	-13	-40.15	-63.35	3.271	13.47	H
	3465	-56.22	-13	-43.22	-66.96	2.604	13.34	V
	5190	-55.00	-13	-42.00	-65.51	3.011	13.52	V
	6930	-52.89	-13	-39.89	-63.09	3.271	13.47	V

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