



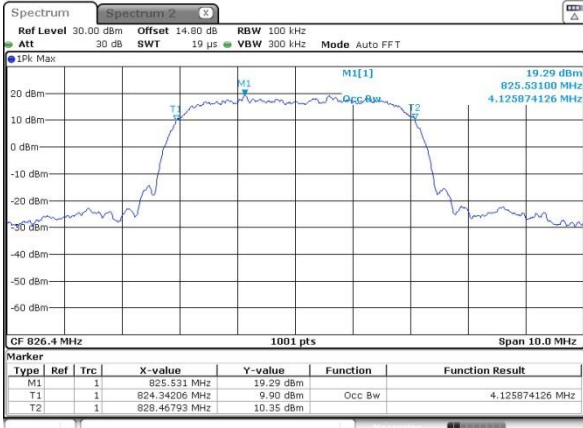
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.13	4.15	4.17
Middle CH	4.13	4.15	4.14
Highest CH	4.13	4.14	4.14



WCDMA Band V (RMC 12.2Kbps)

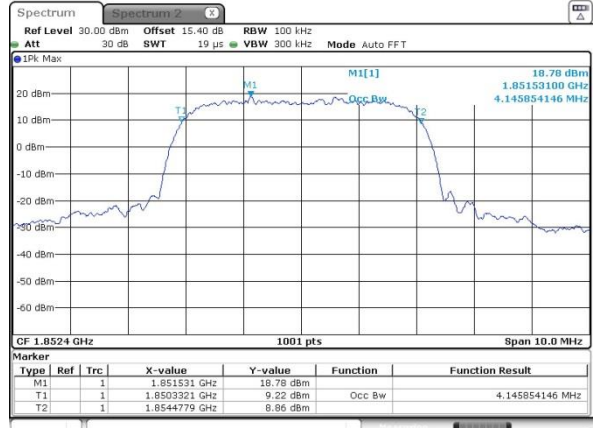
Lowest Channel



Date: 1.JAN.2025 01:37:25

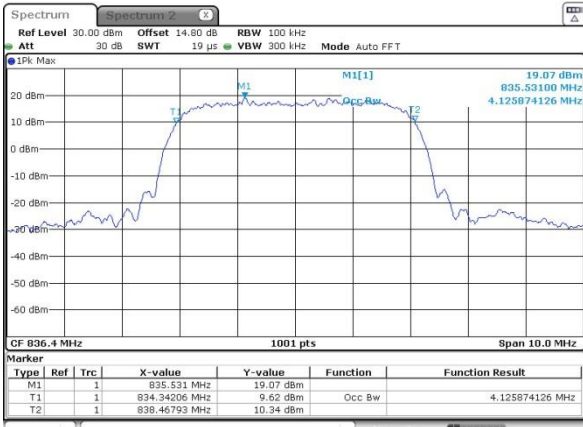
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



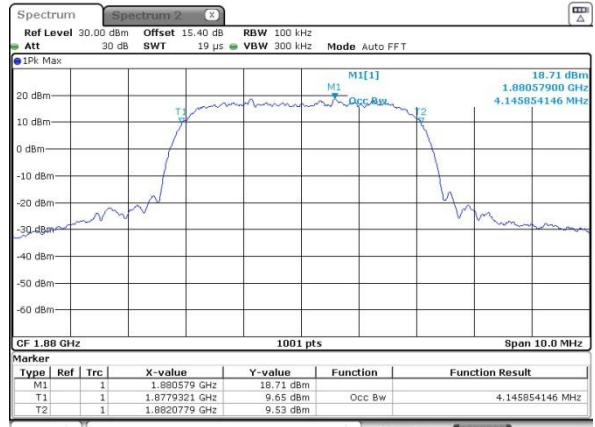
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Middle Channel



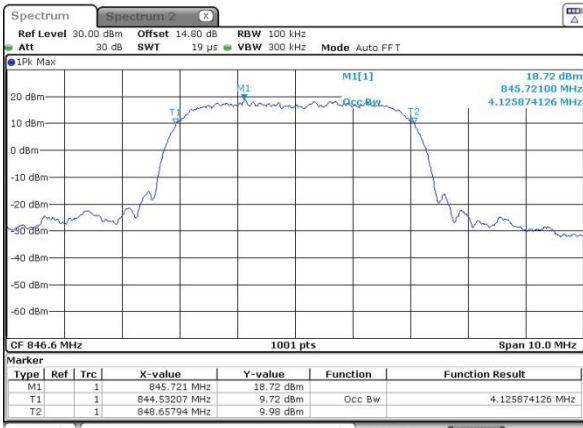
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Middle Channel



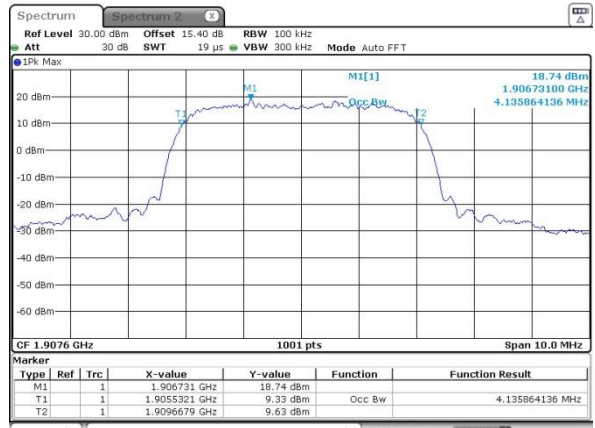
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Highest Channel

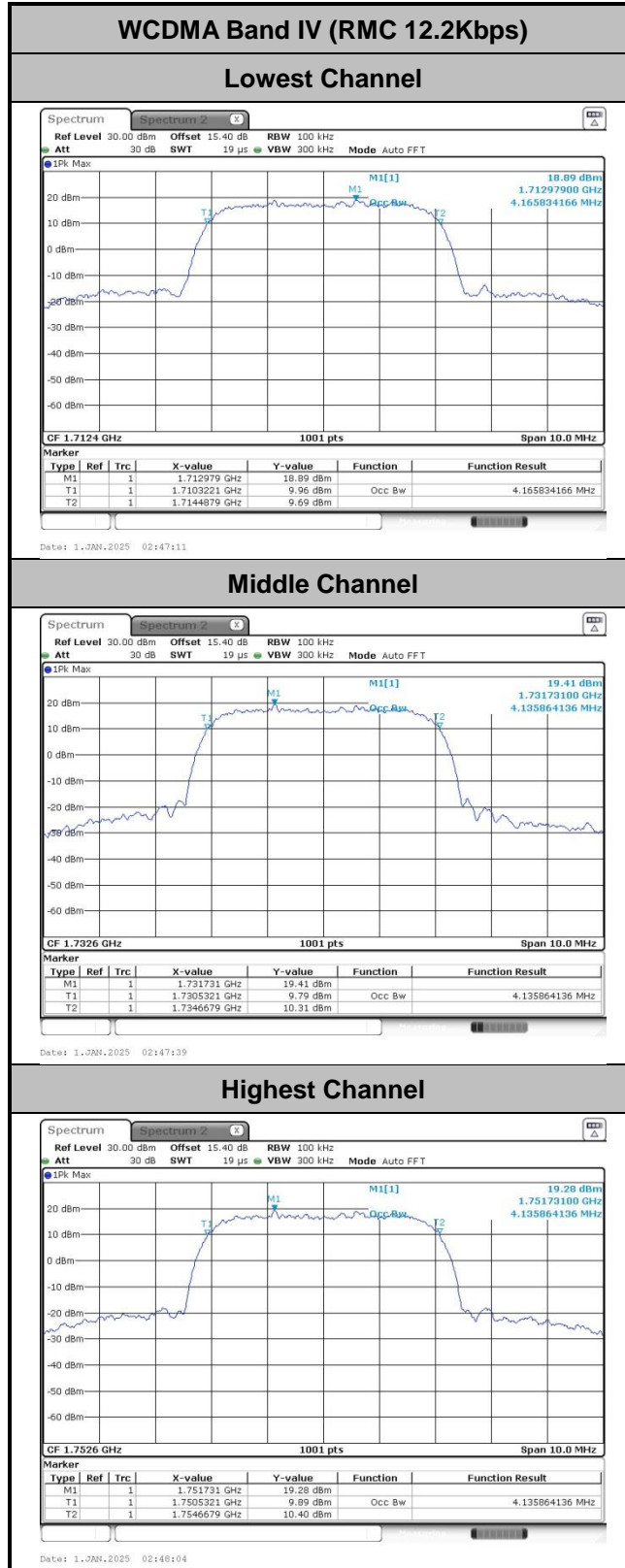


Date: 1.JAN.2025 01:38:22

Highest Channel



Date: 1.JAN.2025 02:02:13

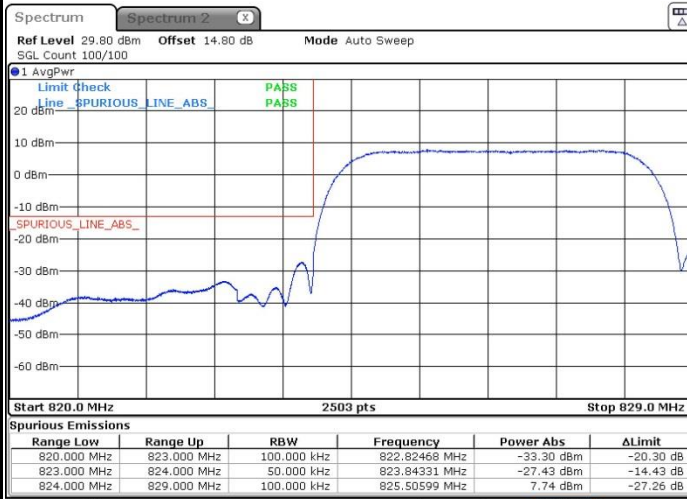




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

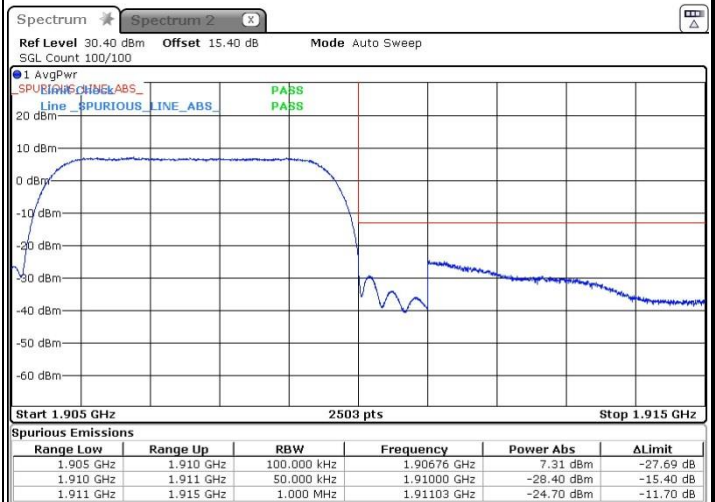


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

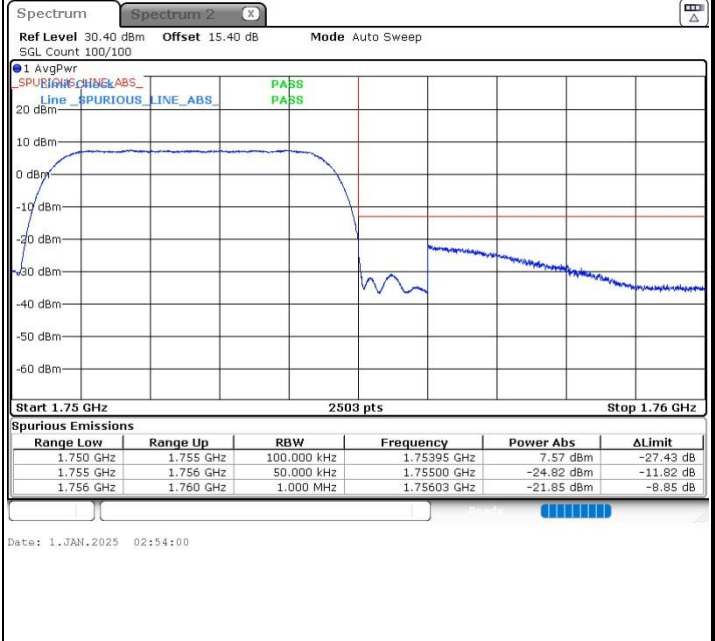
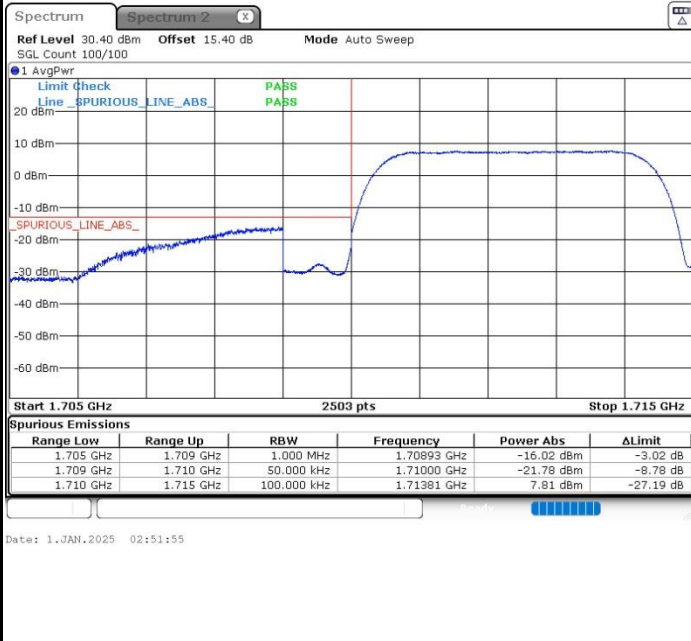




WCDMA Band IV (RMC 12.2Kbps)

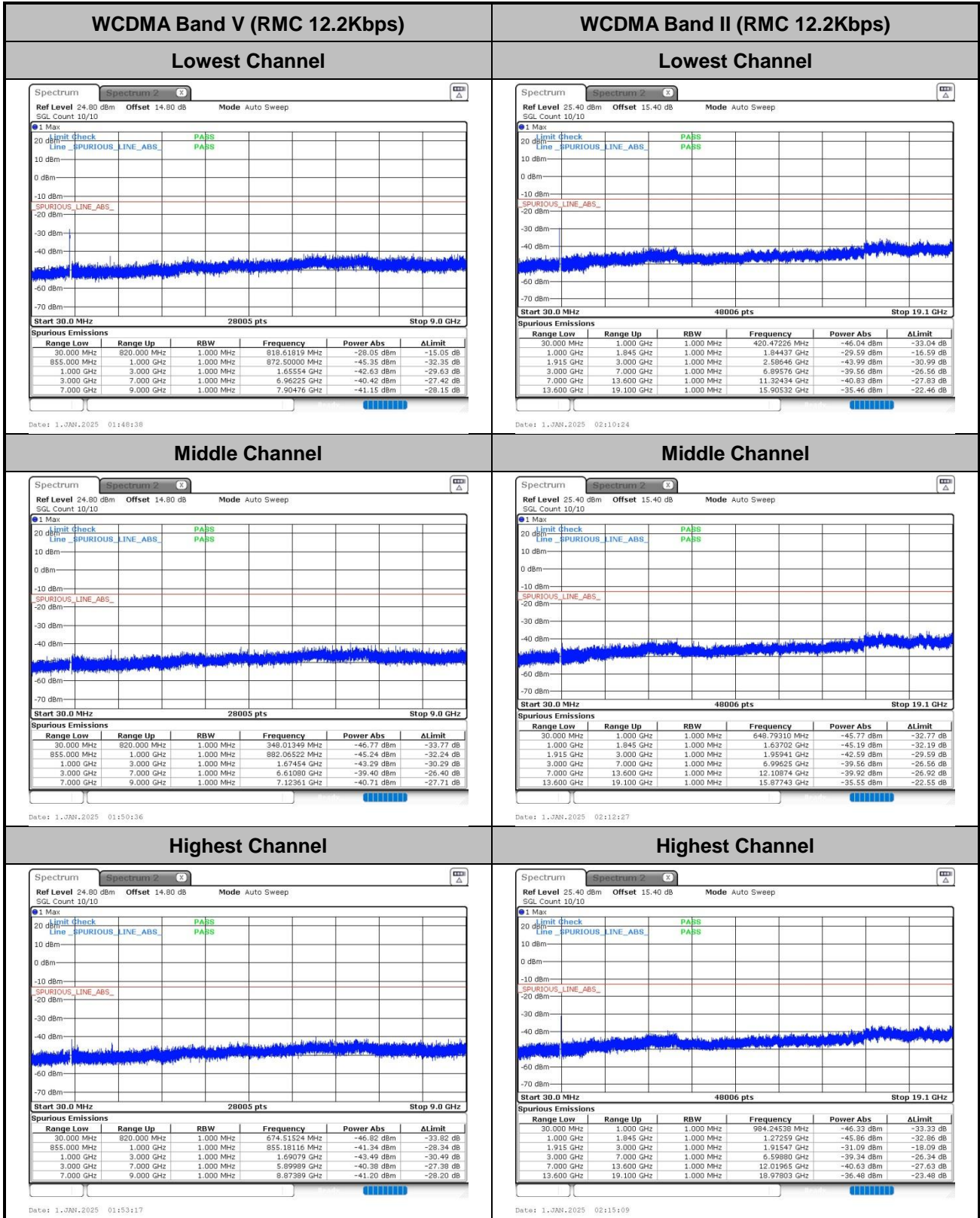
Lowest Band Edge

Highest Band Edge





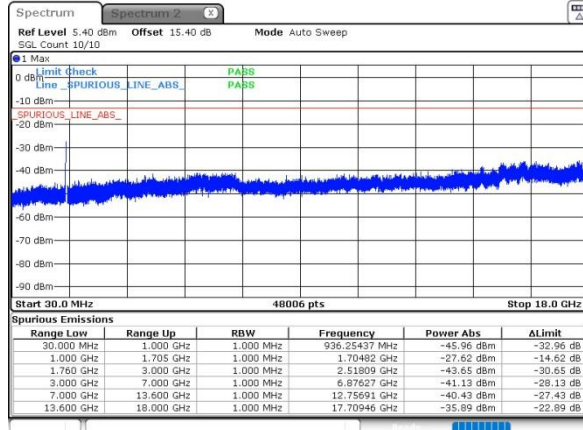
Conducted Spurious Emission





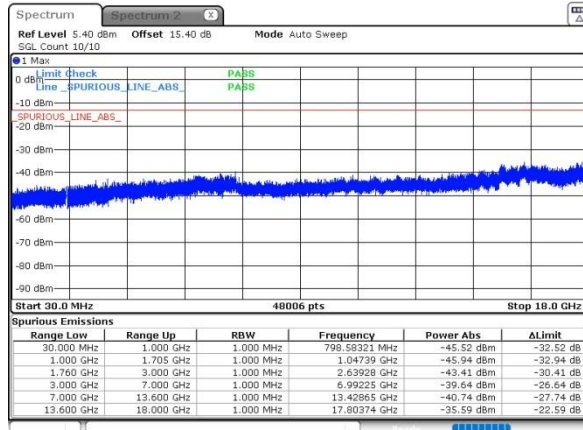
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



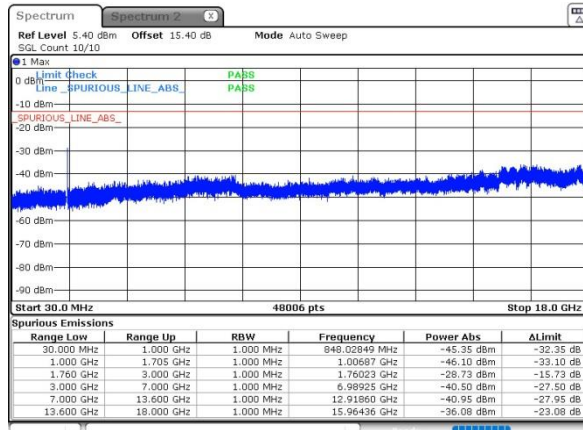
Date: 1. JAN. 2025 02:56:08

Middle Channel



Date: 1. JAN. 2025 02:58:17

Highest Channel



Date: 1. JAN. 2025 03:00:39



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	0.0021	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0420	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0324	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0130	
-30	Normal Voltage	0.0328	
20	Maximum Voltage	0.0320	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0252	PASS
40	Normal Voltage	0.0162	
30	Normal Voltage	0.0138	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0185	
0	Normal Voltage	0.0147	
-10	Normal Voltage	0.0228	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0122	
20	Maximum Voltage	0.0185	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0028	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0152	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0145	
-10	Normal Voltage	0.0352	
-20	Normal Voltage	0.0674	
-30	Normal Voltage	0.0264	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0524	

Note:

1. Normal Voltage = 3.86V ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.53V
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 :	Chris	Temperature :	21~25°C
		Relative Humidity :	51~53%

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

GSM850 (GSM) Ant.0 open status								
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	-68.08	-13	-55.08	-75.05	1.58	10.70	H
	2512	-50.27	-13	-37.27	-58.52	2.102	12.50	H
	3344	-68.33	-13	-55.33	-77.22	2.856	13.90	H
	1672	-69.08	-13	-56.08	-76.05	1.58	10.70	V
	2512	-47.60	-13	-34.60	-55.85	2.10	12.50	V
	3344	-68.49	-13	-55.49	-77.38	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots) Ant.0 open status								
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	-59.14	-13	-46.14	-66.11	1.58	10.70	H
	2512	-52.86	-13	-39.86	-61.11	2.102	12.50	H
	3344	-68.14	-13	-55.14	-77.03	2.856	13.90	H
	1672	-63.21	-13	-50.21	-70.18	1.58	10.70	V
	2512	-49.82	-13	-36.82	-58.07	2.10	12.50	V
	3344	-68.55	-13	-55.55	-77.44	2.86	13.90	V

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

GSM1900 (GSM) Ant.0 open status								
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	-57.77	-13	-44.77	-70.03	2.64	14.90	H
	5640	-40.71	-13	-27.71	-52.57	2.94	14.80	H
	7515	-54.32	-13	-41.32	-64.09	3.39	13.16	H
	3765	-56.40	-13	-43.40	-68.66	2.64	14.90	V
	5640	-41.09	-13	-28.09	-52.95	2.94	14.80	V
	7515	-54.37	-13	-41.37	-64.14	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) Ant.0 open status								
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	-64.13	-13	-51.13	-76.39	2.64	14.90	H
	5640	-53.32	-13	-40.32	-65.18	2.94	14.80	H
	7515	-53.91	-13	-40.91	-63.68	3.39	13.16	H
	3765	-64.63	-13	-51.63	-76.89	2.64	14.90	V
	5640	-54.96	-13	-41.96	-66.82	2.94	14.80	V
	7515	-54.06	-13	-41.06	-63.83	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) Ant.0 open status								
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	-65.42	-13	-52.42	-72.39	1.58	10.70	H
	2512	-59.76	-13	-46.76	-68.01	2.102	12.50	H
	3344	-68.68	-13	-55.68	-77.57	2.856	13.90	H
	1672	-69.71	-13	-56.71	-76.68	1.58	10.70	V
	2512	-55.86	-13	-42.86	-64.11	2.10	12.50	V
	3344	-68.52	-13	-55.52	-77.41	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) Ant.0 open status								
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	-64.93	-13	-51.93	-77.19	2.64	14.90	H
	5640	-56.84	-13	-43.84	-68.70	2.94	14.80	H
	7515	-54.14	-13	-41.14	-63.91	3.39	13.16	H
	3765	-65.04	-13	-52.04	-77.30	2.64	14.90	V
	5640	-59.03	-13	-46.03	-70.89	2.94	14.80	V
	7515	-54.32	-13	-41.32	-64.09	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) Ant.0 open status								
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	-68.13	-13	-55.13	-78.87	2.604	13.34	H
	5205	-53.10	-13	-40.10	-63.61	3.011	13.52	H
	6930	-55.83	-13	-42.83	-66.03	3.271	13.47	H
	3465	-68.19	-13	-55.19	-78.93	2.604	13.34	V
	5205	-50.85	-13	-37.85	-61.36	3.011	13.52	V
	6930	-56.13	-13	-43.13	-66.33	3.271	13.47	V

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