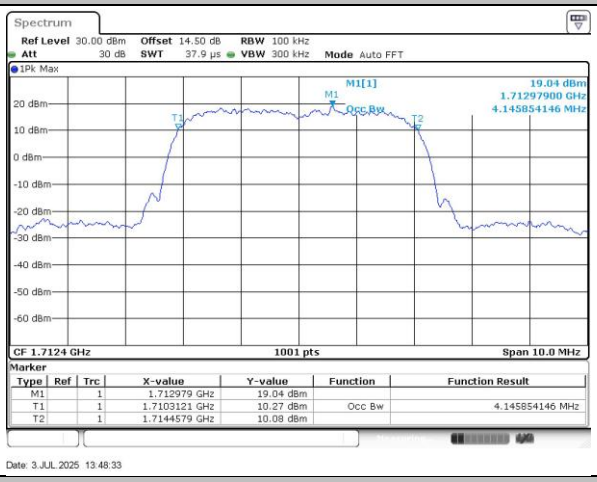
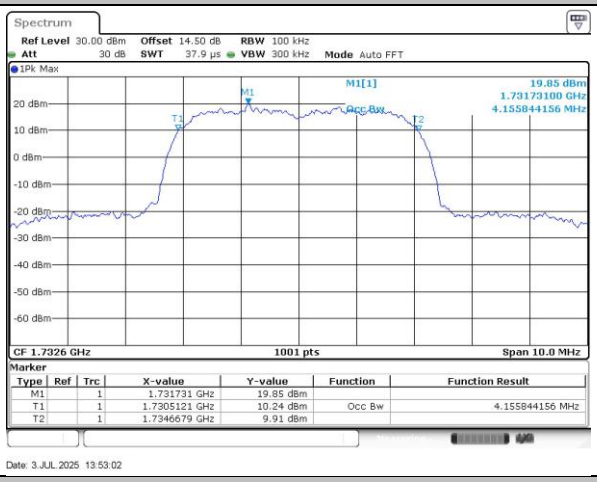
WCDMA Band IV (RMC 12.2Kbps)

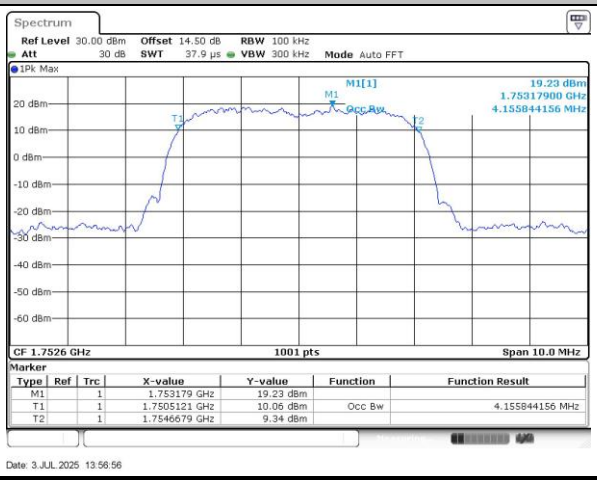
Lowest Channel



Middle Channel



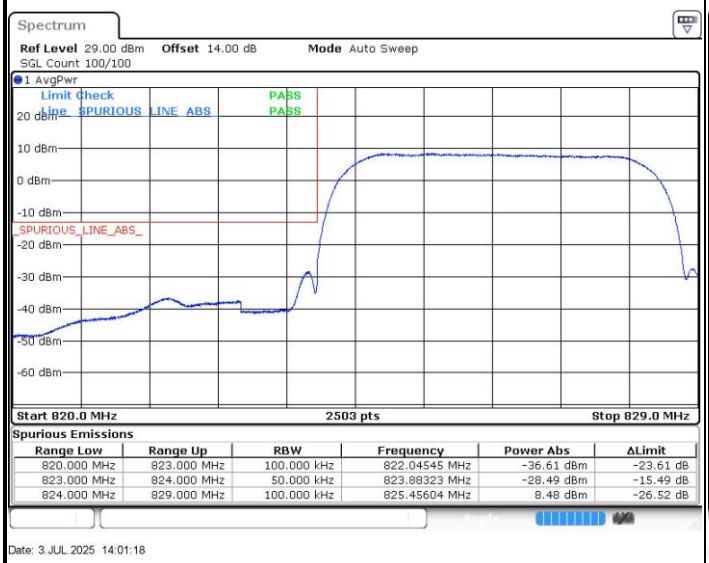
Highest Channel



Conducted Band Edge

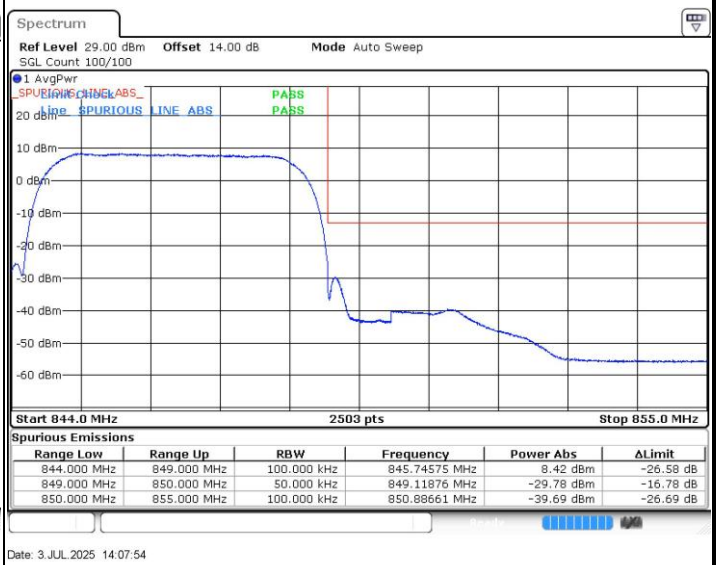
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 3.JUL.2025 14:01:18

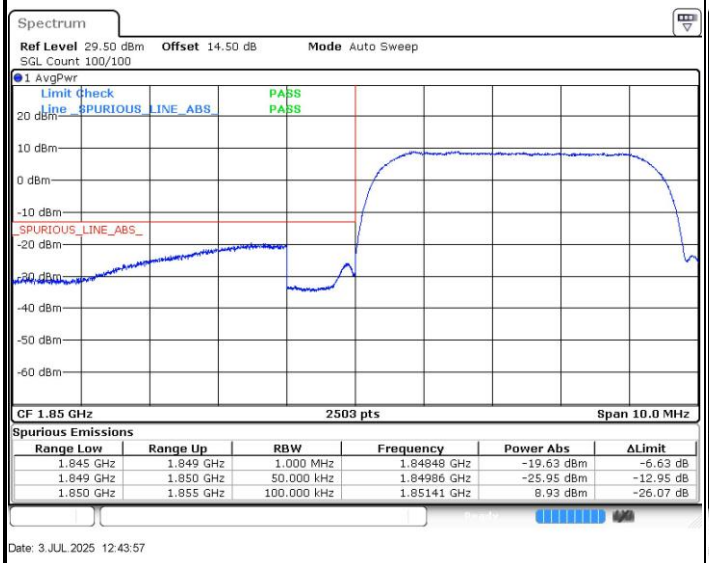
Highest Band Edge



Date: 3.JUL.2025 14:07:54

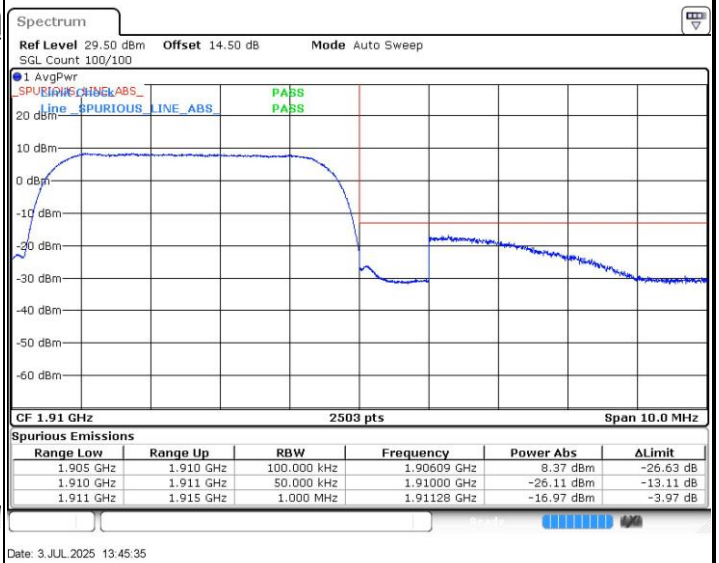
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



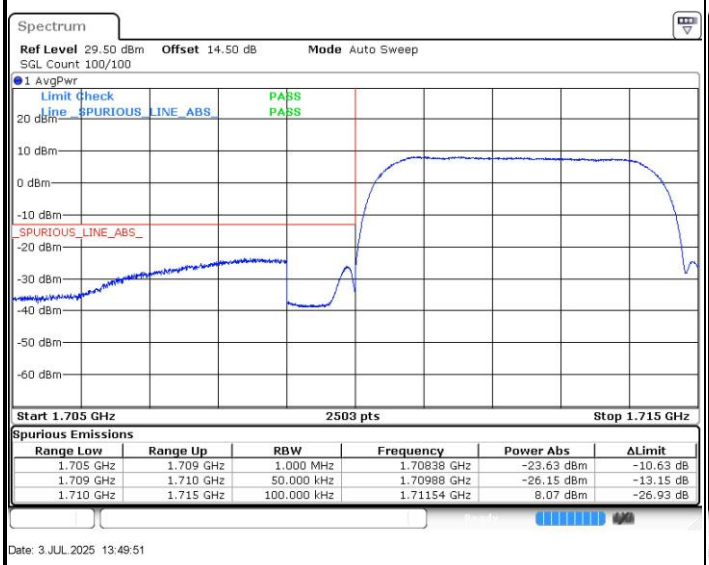
Date: 3.JUL.2025 12:43:57

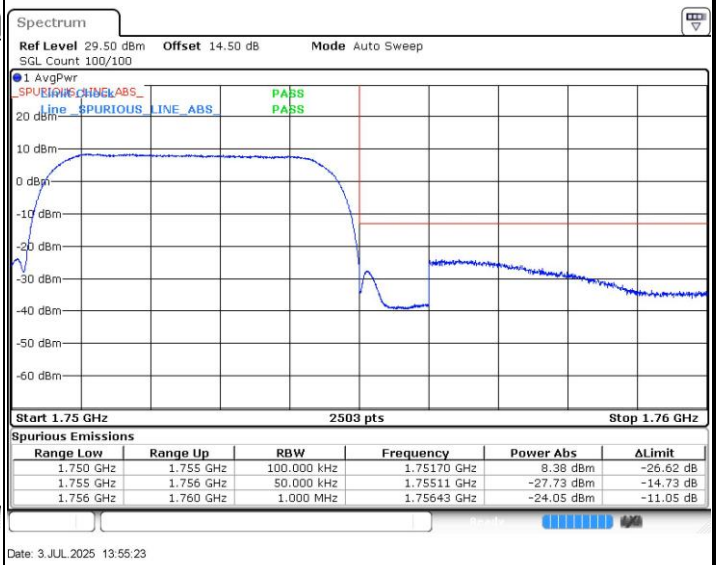
Highest Band Edge



Date: 3.JUL.2025 13:45:35

WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

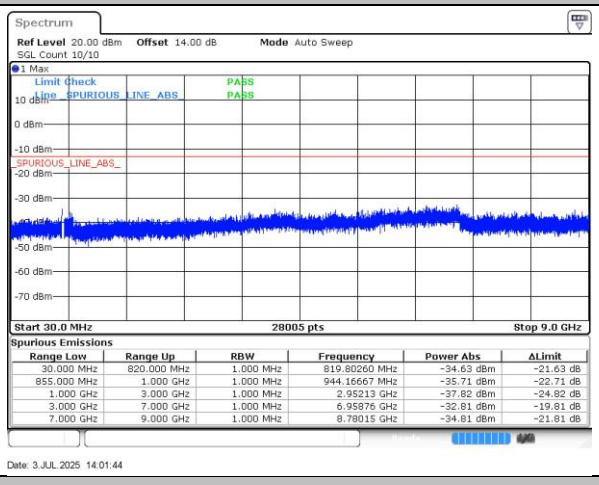




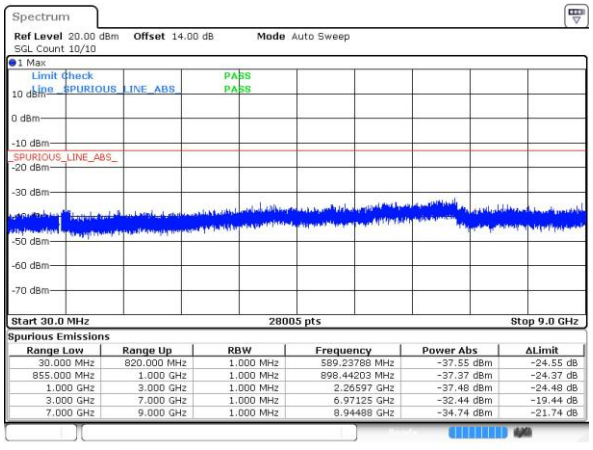
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

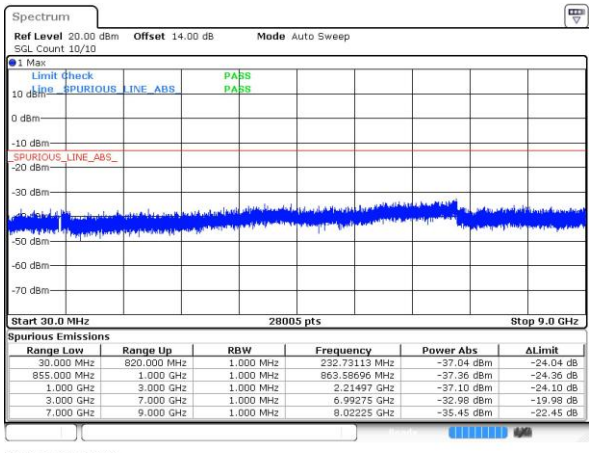
Lowest Channel



Middle Channel

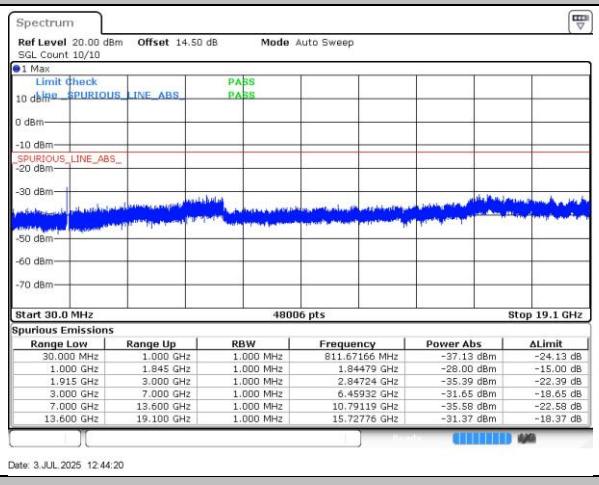


Highest Channel

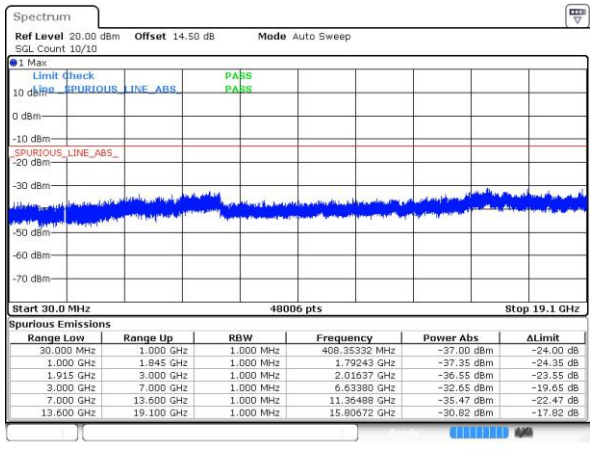


WCDMA Band II (RMC 12.2Kbps)

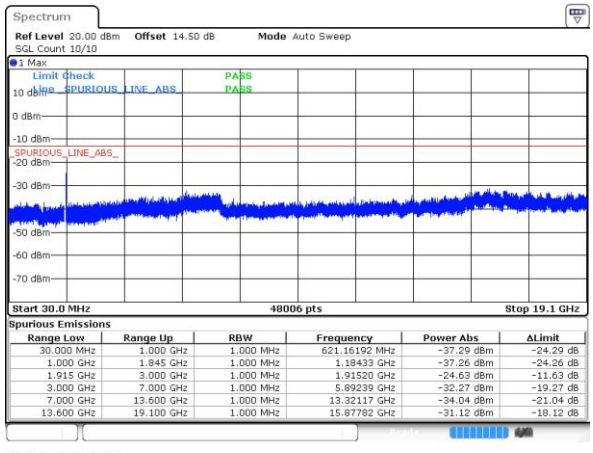
Lowest Channel



Middle Channel

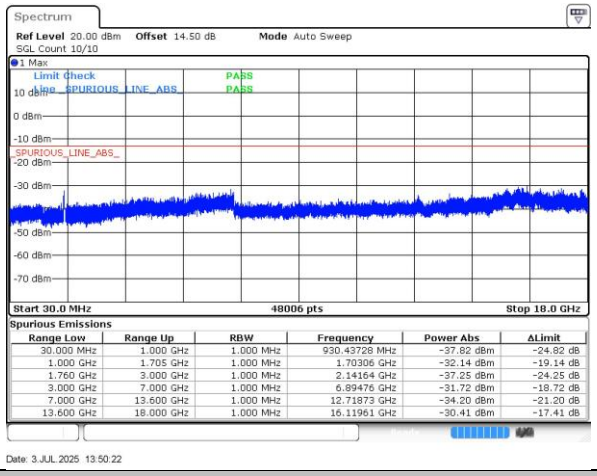


Highest Channel

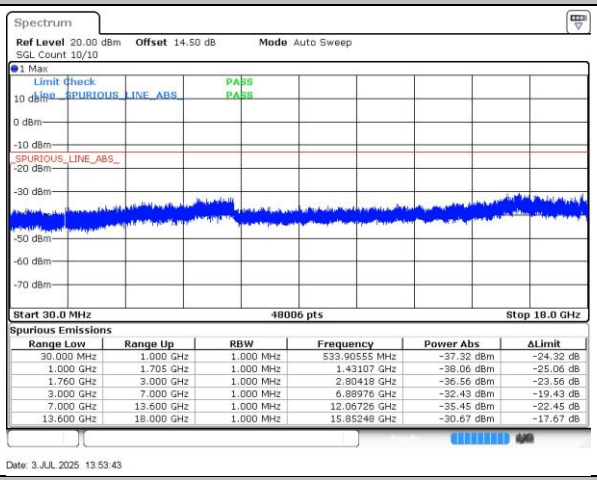


WCDMA Band IV (RMC 12.2Kbps)

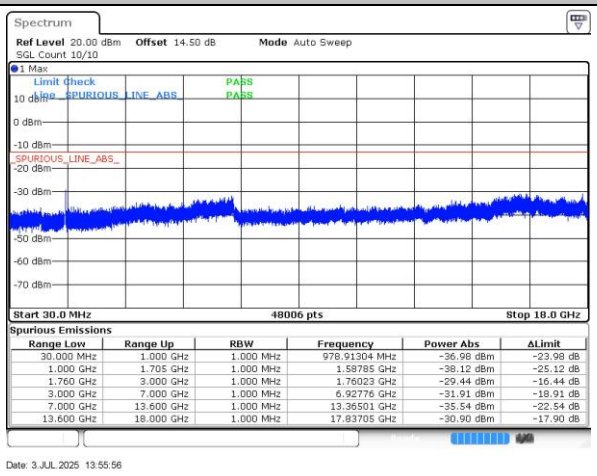
Lowest Channel



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	0.0010	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.3 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 :	Jia Kuang	Temperature :	22~25℃
		Relative Humidity :	48~52%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

GSM850 (GSM) / ANT 0									
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	1673.04	-58.73	-13	-45.73	-65.49	-61.98	4.00	9.40	H
	2509.56	-48.58	-13	-35.58	-59.85	-52.15	4.88	10.60	H
	3346.08	-62.69	-13	-49.69	-76.57	-67.62	5.52	12.60	H
	1673.04	-57.96	-13	-44.96	-64.91	-61.21	4.00	9.40	V
	2509.56	-50.53	-13	-37.53	-61.92	-54.10	4.88	10.60	V
	3346.08	-63.23	-13	-50.23	-77.13	-68.16	5.52	12.60	V

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

GSM850 (EDGE 1 Tx slots) / ANT 0									
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	1673.04	-59.38	-13	-46.38	-66.14	-62.63	4.00	9.40	H
	2509.56	-50.60	-13	-37.60	-61.87	-54.17	4.88	10.60	H
	3346.08	-63.16	-13	-50.16	-77.04	-68.09	5.52	12.60	H
	1673.04	-60.36	-13	-47.36	-67.31	-63.61	4.00	9.40	V
	2509.56	-49.94	-13	-36.94	-61.33	-53.51	4.88	10.60	V
	3346.08	-63.19	-13	-50.19	-77.09	-68.12	5.52	12.60	V

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

GSM1900 (GSM) / ANT 5									
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	-62.22	-13	-49.22	-77.60	-68.97	5.85	12.60	H
	5640	-49.63	-13	-36.63	-69.18	-55.43	7.30	13.10	H
	7520	-55.41	-13	-42.41	-79.25	-58.56	8.35	11.50	H
	3760	-63.81	-13	-50.81	-78.75	-70.56	5.85	12.60	V
	5640	-46.97	-13	-33.97	-65.31	-52.77	7.30	13.10	V
	7520	-55.04	-13	-42.04	-79.3	-58.19	8.35	11.50	V

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

GSM1900 (EDGE 1 Tx slots) / ANT 5									
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	-56.42	-13	-43.42	3760.00	-56.42	5.85	12.60	H
	5640	-50.38	-13	-37.38	5640.00	-50.38	7.30	13.10	H
	7520	-55.53	-13	-42.53	7520.00	-55.53	8.35	11.50	H
	3760	-60.07	-13	-47.07	3760	-60.07	5.85	12.60	V
	5640	-50.11	-13	-37.11	5640	-50.11	7.30	13.10	V
	7520	-54.89	-13	-41.89	7520	-54.89	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 0									
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	-67.23	-13	-54.23	-73.98	-70.48	4.00	9.40	H
	2509.2	-64.57	-13	-51.57	-75.84	-68.14	4.88	10.60	H
	3345.6	-63.05	-13	-50.05	-76.93	-67.98	5.52	12.60	H
	1672.8	-66.91	-13	-53.91	-73.85	-70.16	4.00	9.40	V
	2509.2	-64.25	-13	-51.25	-75.64	-67.82	4.88	10.60	V
	3345.6	-62.97	-13	-49.97	-76.87	-67.90	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 5									
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	-63.41	-13	-50.41	-78.79	-70.16	5.85	12.60	H
	5640	-59.81	-13	-46.81	-79.36	-65.61	7.30	13.10	H
	7520	-55.52	-13	-42.52	-79.36	-58.67	8.35	11.50	H
	3760	-63.82	-13	-50.82	-78.76	-70.57	5.85	12.60	V
	5640	-61.05	-13	-48.05	-79.39	-66.85	7.30	13.10	V
	7520	-55.20	-13	-42.20	-79.46	-58.35	8.35	11.50	V

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

WCDMA Band IV(HSDPA) / ANT 1									
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	-63.10	-13	-50.10	-77.21	-69.95	5.65	12.50	H
	5197.8	-59.90	-13	-46.90	-78.72	-65.57	7.13	12.80	H
	6930.4	-57.77	-13	-44.77	-79.94	-61.17	8.40	11.80	H
	3465.2	-62.84	-13	-49.84	-76.98	-69.69	5.65	12.50	V
	5197.8	-56.93	-13	-43.93	-75.37	-62.60	7.13	12.80	V
	6930.4	-57.08	-13	-44.08	-79.54	-60.48	8.40	11.80	V

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