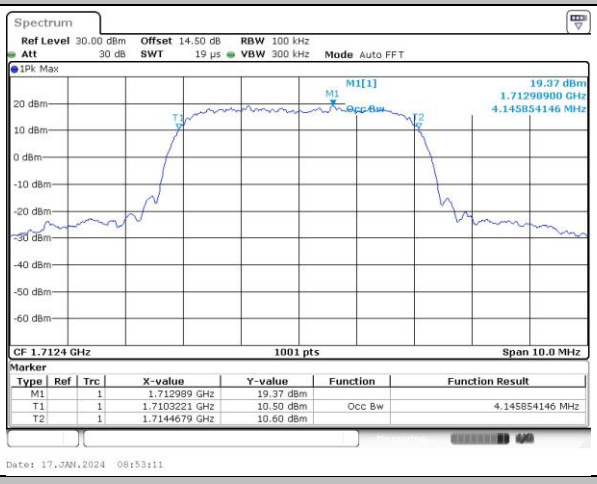
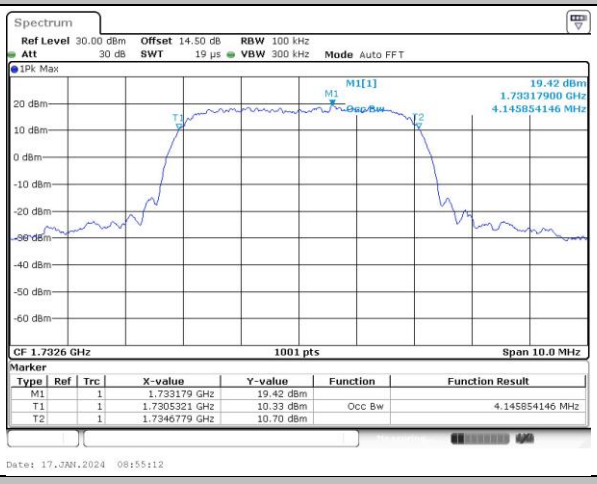
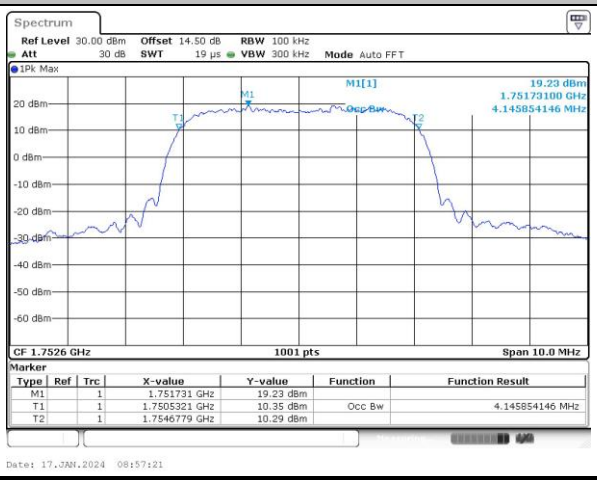
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel



Middle Channel



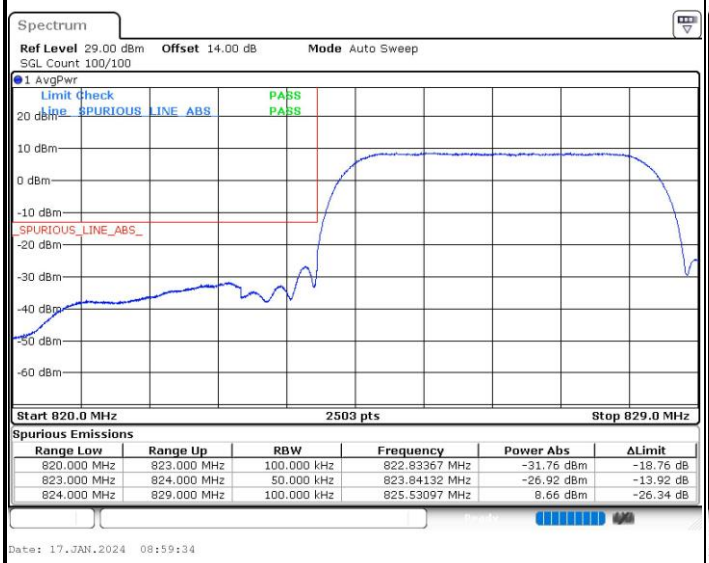
Highest Channel



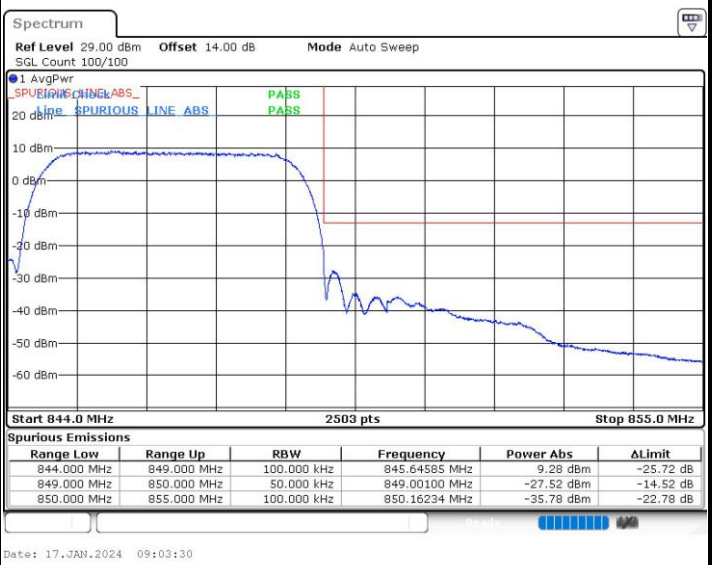
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

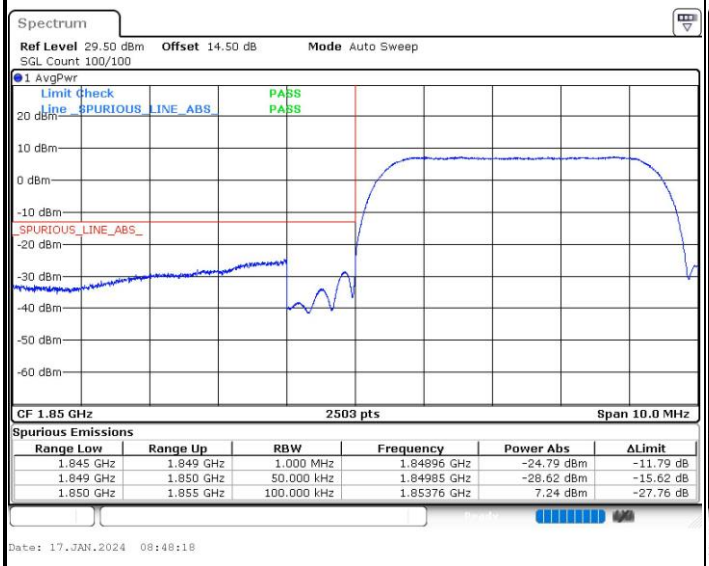


Highest Band Edge

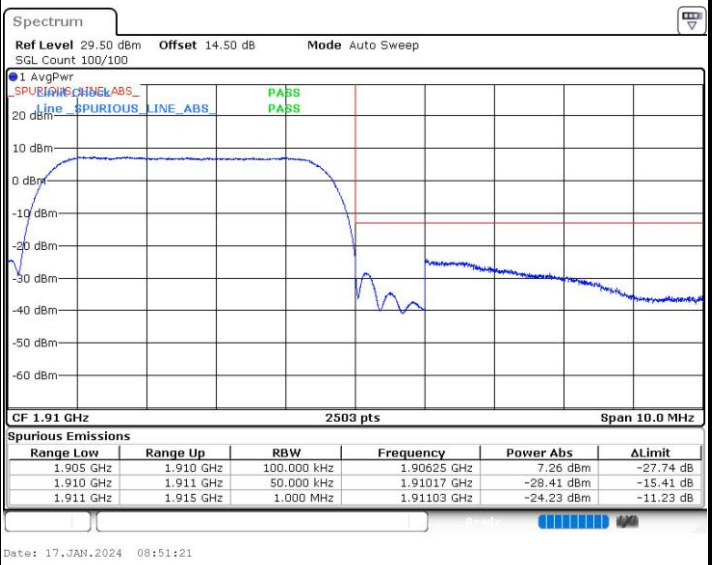


WCDMA Band II (RMC 12.2Kbps)

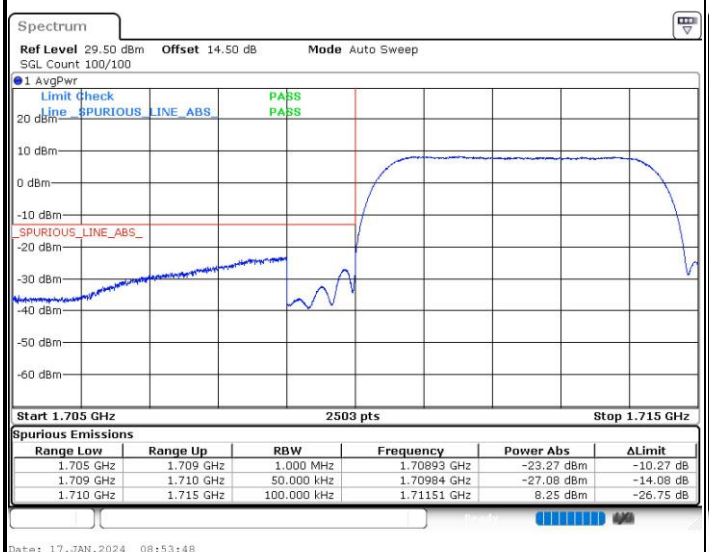
Lowest Band Edge

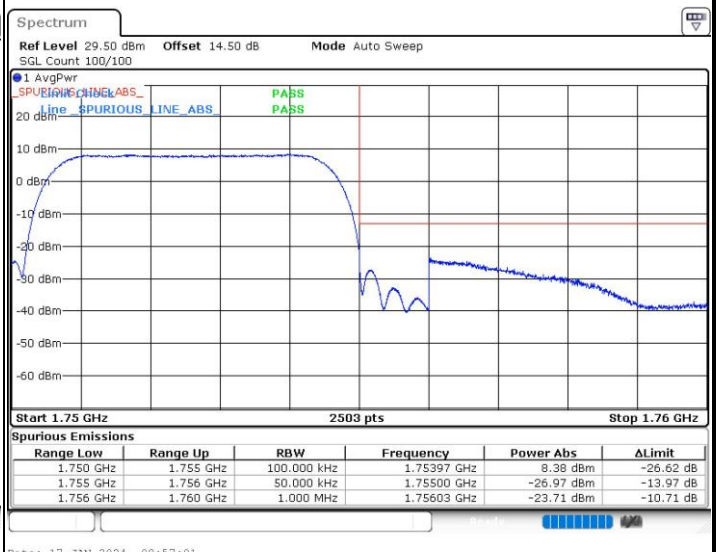


Highest Band Edge



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

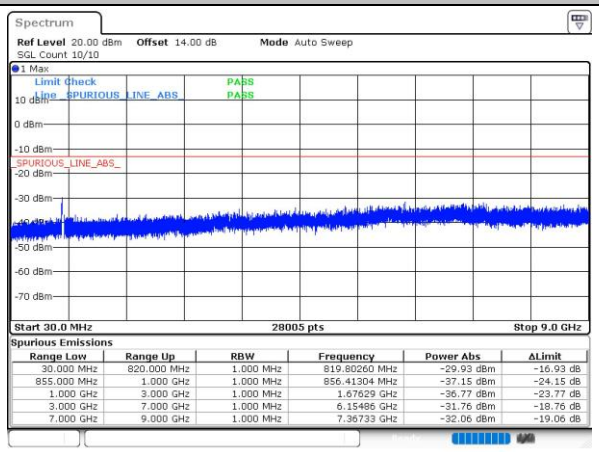




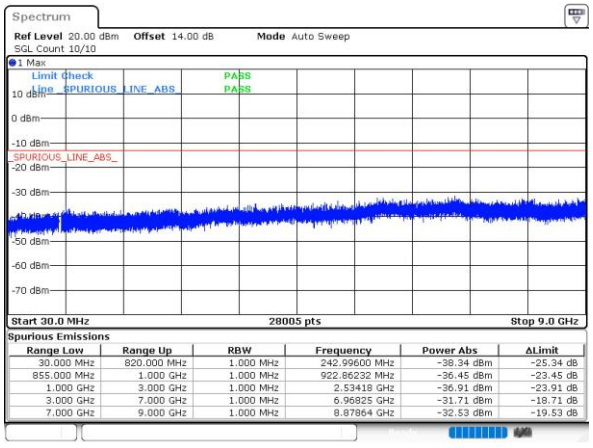
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

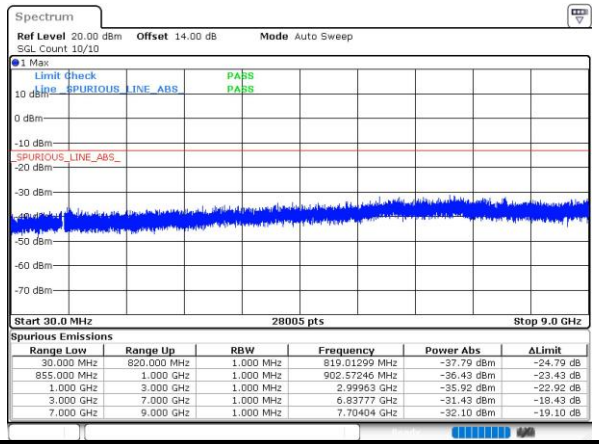
Lowest Channel



Middle Channel

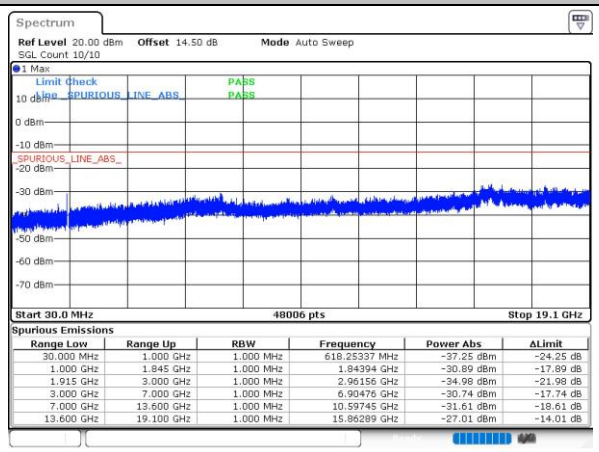


Highest Channel

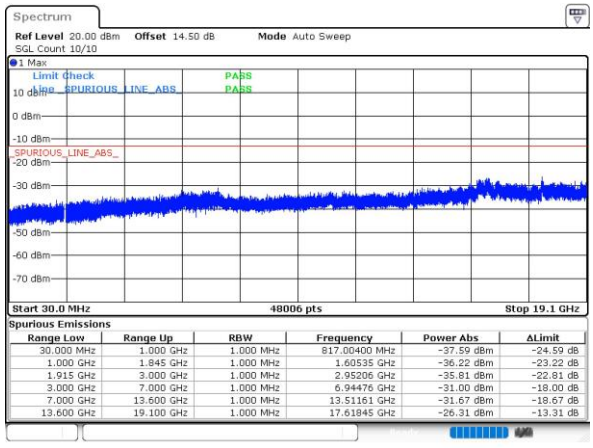


WCDMA Band II (RMC 12.2Kbps)

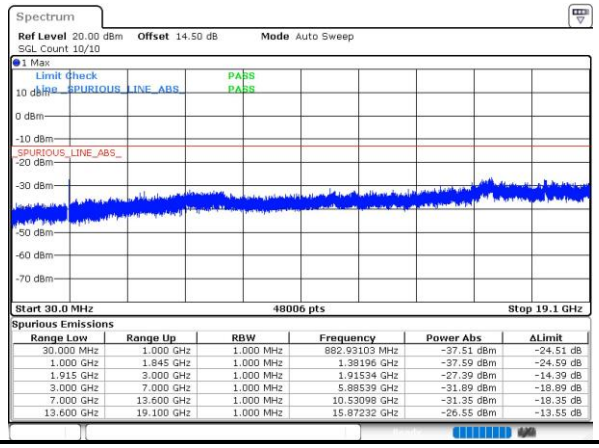
Lowest Channel



Middle Channel

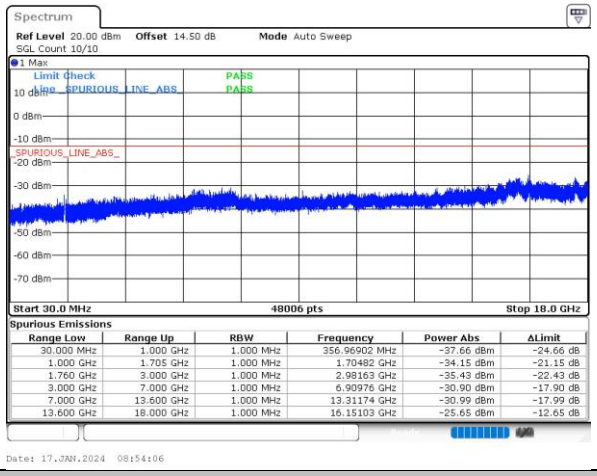


Highest Channel

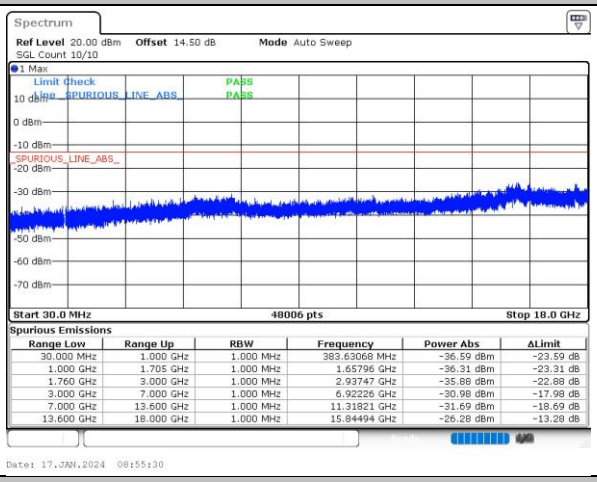


WCDMA Band IV (RMC 12.2Kbps)

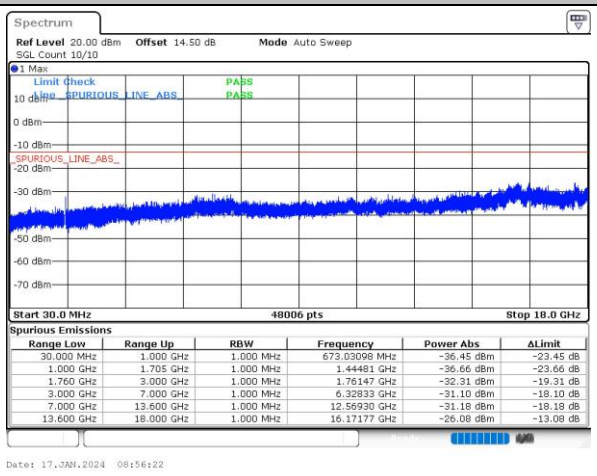
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 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 :	Qingsheng He	Temperature :	22~25℃
		Relative Humidity :	48~52%

RSE pretest all the supported antennas, only the worst results are shown in the report.

GSM850 (GSM) / ANT31									
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	-63.86	-13	-50.86	-68.84	-67.11	4.00	9.40	H
	2509.2	-56.39	-13	-43.39	-65.34	-59.96	4.88	10.60	H
	3345.6	-65.55	-13	-52.55	-76.72	-70.48	5.52	12.60	H
	1672.8	-64.55	-13	-51.55	-69.25	-67.80	4.00	9.40	V
	2509.2	-62.55	-13	-49.55	-71.83	-66.12	4.88	10.60	V
	3345.6	-65.10	-13	-52.10	-76.65	-70.03	5.52	12.60	V

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

GSM850 (EDGE 1 Tx slots) / ANT31									
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	-64.69	-13	-51.69	-69.67	-67.94	4.00	9.40	H
	2509.2	-59.20	-13	-46.20	-68.15	-62.77	4.88	10.60	H
	3345.6	-65.45	-13	-52.45	-76.62	-70.38	5.52	12.60	H
	1672.8	-64.32	-13	-51.32	-69.02	-67.57	4.00	9.40	V
	2509.2	-63.23	-13	-50.23	-72.51	-66.80	4.88	10.60	V
	3345.6	-64.88	-13	-51.88	-76.43	-69.81	5.52	12.60	V

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

WCDMA Band V(RMC 12.2Kbps) / ANT31									
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	-69.15	-13	-56.15	-74.13	-72.40	4.00	9.40	H
	2509.2	-66.44	-13	-53.44	-75.39	-70.01	4.88	10.60	H
	3345.6	-65.54	-13	-52.54	-76.71	-70.47	5.52	12.60	H
	1672.8	-69.50	-13	-56.50	-74.20	-72.75	4.00	9.40	V
	2509.2	-66.10	-13	-53.10	-75.38	-69.67	4.88	10.60	V
	3345.6	-65.30	-13	-52.30	-76.85	-70.23	5.52	12.60	V

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

GSM1900 (GSM) / ANT13									
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	-63.94	-13	-50.94	-77.74	-70.69	5.85	12.60	H
	5640	-63.57	-13	-50.57	-80.03	-69.37	7.30	13.10	H
	7520	-58.35	-13	-45.35	-79.50	-61.50	8.35	11.50	H
	3760	-63.72	-13	-50.72	-77.7	-70.47	5.85	12.60	V
	5640	-63.74	-13	-50.74	-80.09	-69.54	7.30	13.10	V
	7520	-58.79	-13	-45.79	-79.82	-61.94	8.35	11.50	V

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

GSM1900 (EDGE 1 Tx slots) / ANT13									
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	-63.68	-13	-50.68	-77.48	-70.43	5.85	12.60	H
	5640	-63.50	-13	-50.50	-79.96	-69.30	7.30	13.10	H
	7520	-58.57	-13	-45.57	-79.72	-61.72	8.35	11.50	H
	3760	-63.25	-13	-50.25	-77.23	-70.00	5.85	12.60	V
	5640	-63.63	-13	-50.63	-79.98	-69.43	7.30	13.10	V
	7520	-58.48	-13	-45.48	-79.51	-61.63	8.35	11.50	V

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

WCDMA Band II(RMC 12.2Kbps) / ANT13									
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	-63.91	-13	-50.91	-77.71	-70.66	5.85	12.60	H
	5640	-63.69	-13	-50.69	-80.15	-69.49	7.30	13.10	H
	7520	-58.42	-13	-45.42	-79.57	-61.57	8.35	11.50	H
	3760	-63.80	-13	-50.80	-77.78	-70.55	5.85	12.60	V
	5640	-63.82	-13	-50.82	-80.17	-69.62	7.30	13.10	V
	7520	-58.49	-13	-45.49	-79.52	-61.64	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) / ANT13									
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	-64.85	-13	-51.85	-76.87	-71.70	5.65	12.50	H
	5197.8	-64.36	-13	-51.36	-80.61	-70.03	7.13	12.80	H
	6930.4	-60.44	-13	-47.44	-80.31	-63.84	8.40	11.80	H
	3465.2	-64.17	-13	-51.17	-76.73	-71.02	5.65	12.50	V
	5197.8	-64.35	-13	-51.35	-80.55	-70.02	7.13	12.80	V
	6930.4	-60.71	-13	-47.71	-80.59	-64.11	8.40	11.80	V

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