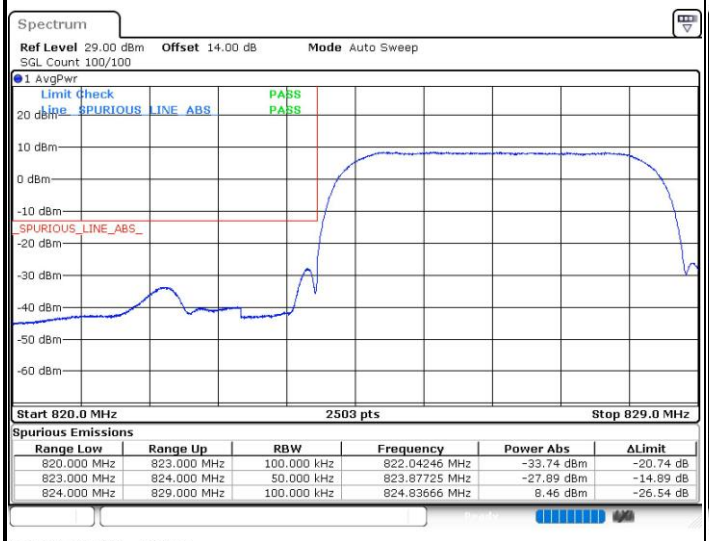
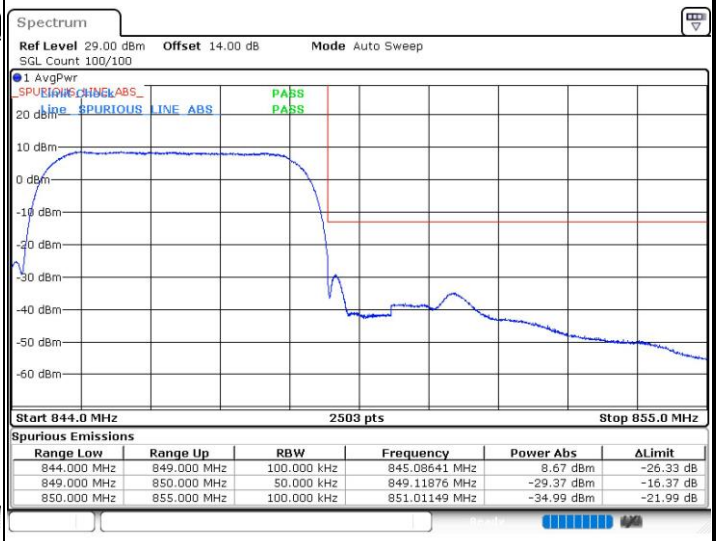
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

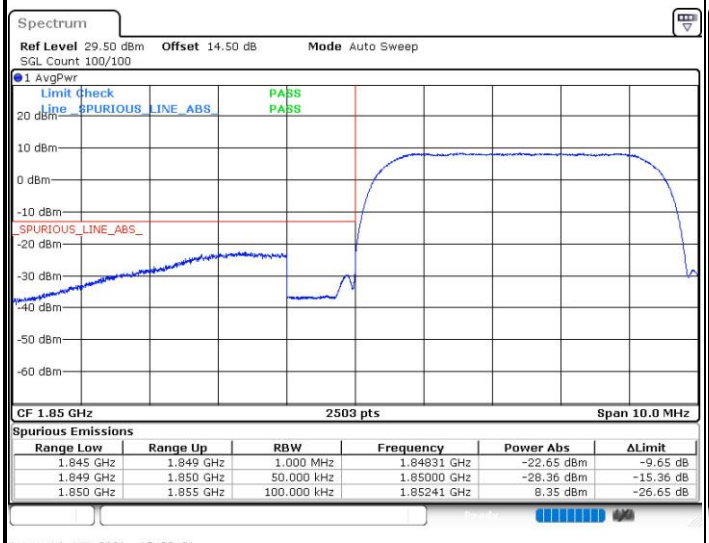


Highest Band Edge

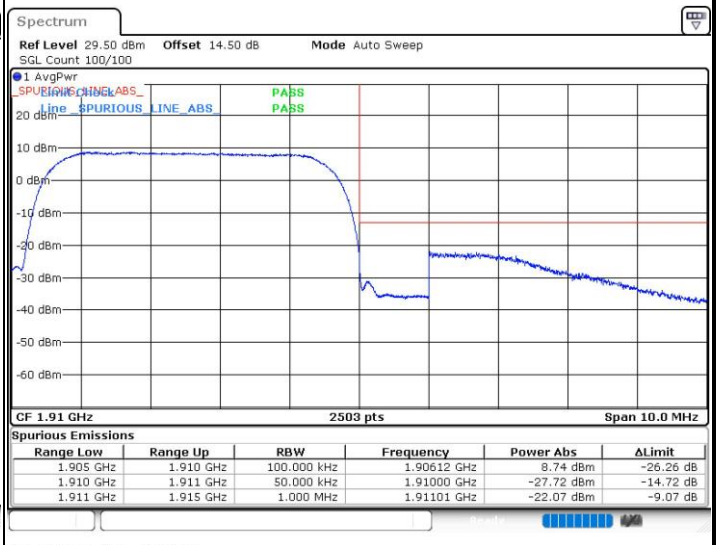


WCDMA Band II (RMC 12.2Kbps)

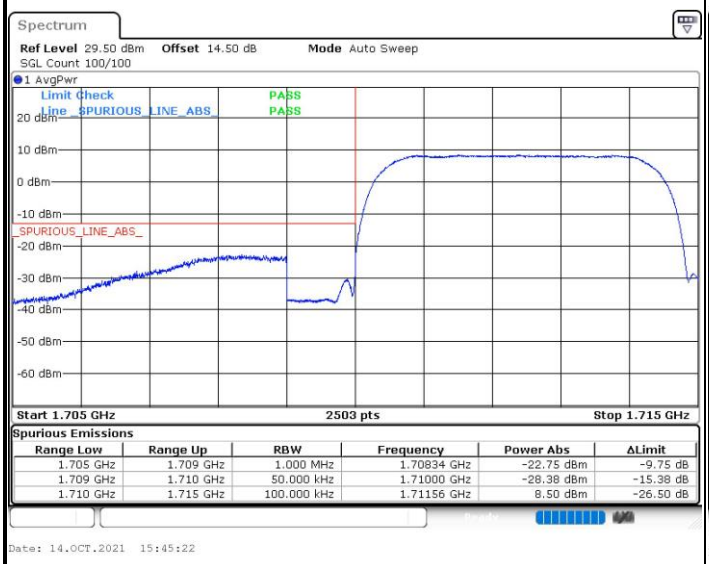
Lowest Band Edge

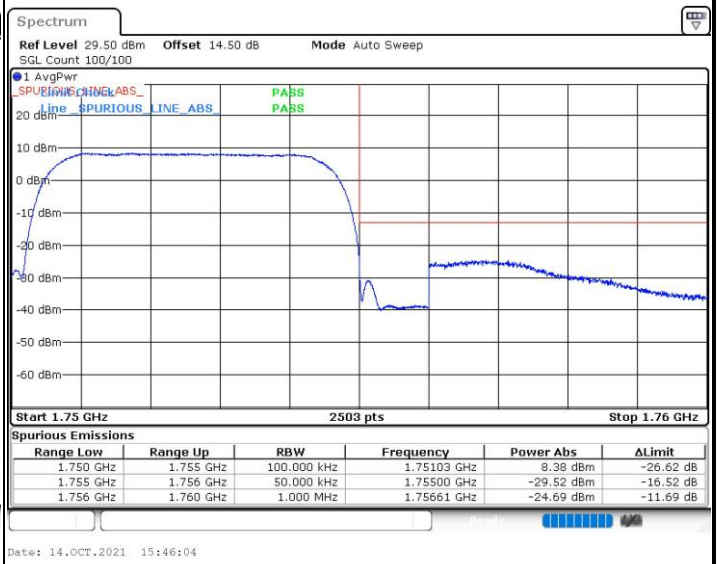


Highest Band Edge



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

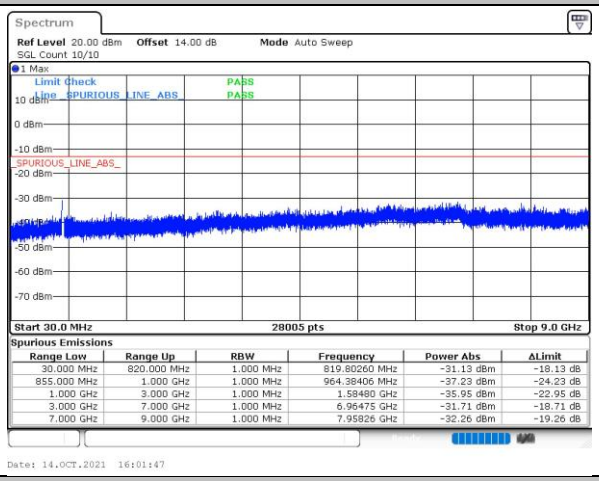




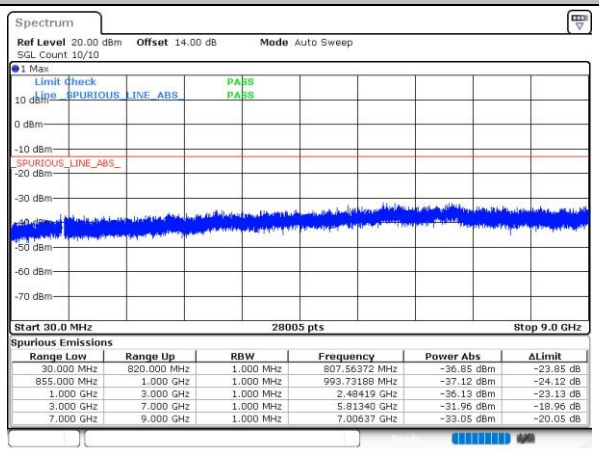
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

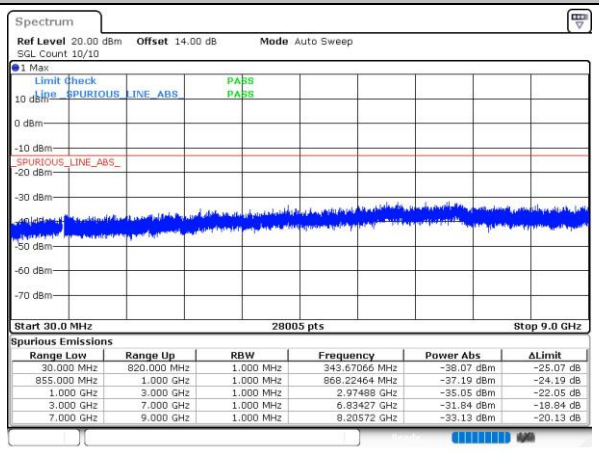
Lowest Channel



Middle Channel

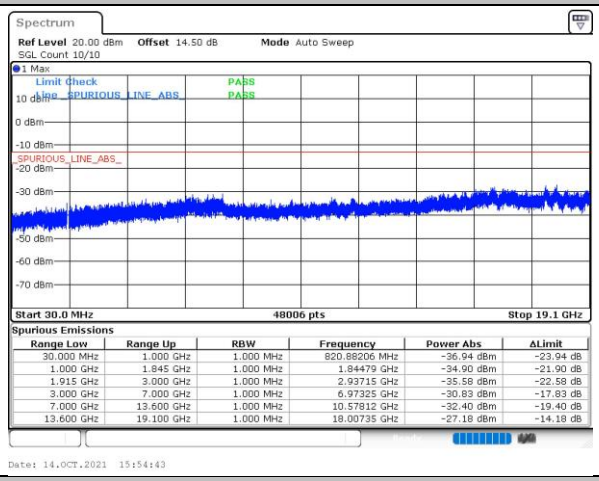


Highest Channel

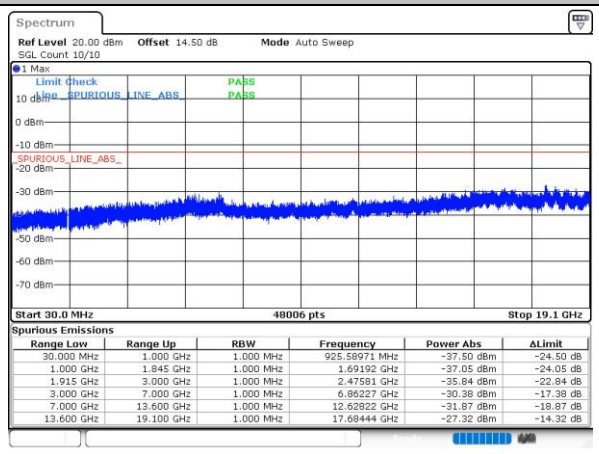


WCDMA Band II (RMC 12.2Kbps)

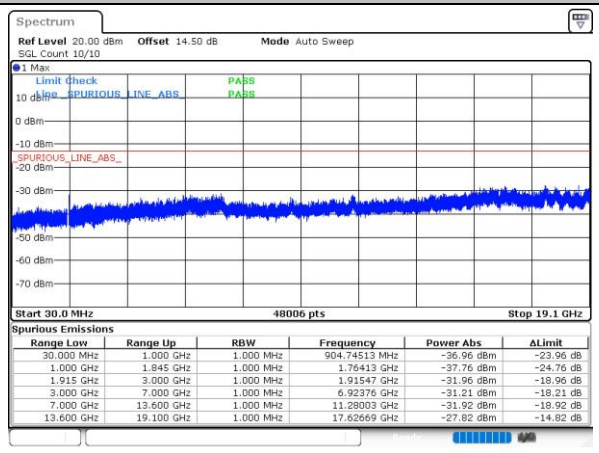
Lowest Channel



Middle Channel

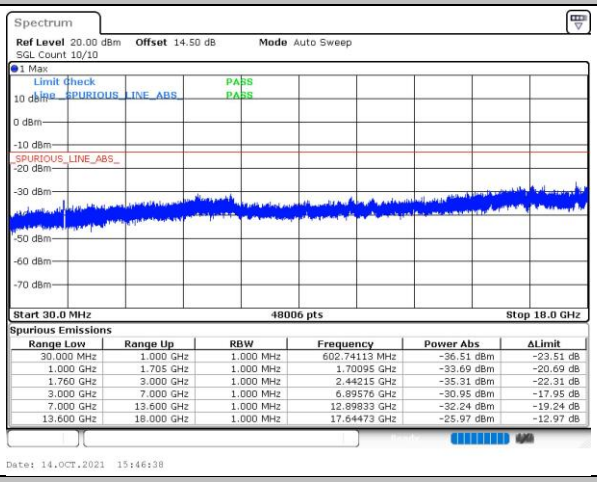


Highest Channel

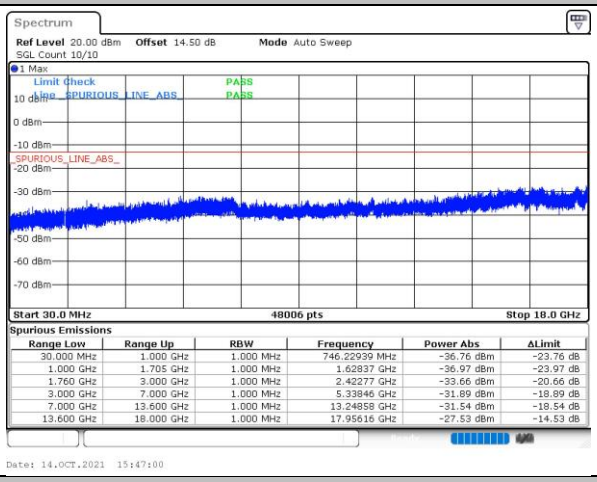


WCDMA Band IV (RMC 12.2Kbps)

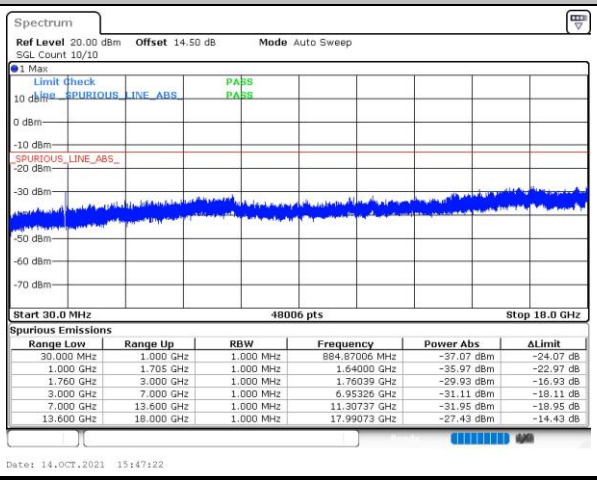
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0068	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.43 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

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	-38.33	-13	-25.33	-47.01	-41.58	4.00	9.40	H
	2509.2	-56.22	-13	-43.22	-69.01	-59.79	4.88	10.60	H
	3345.6	-54.31	-13	-41.31	-68.71	-59.24	5.52	12.60	H
	1672.8	-45.07	-13	-32.07	-53.20	-48.32	4.00	9.40	V
	2509.2	-59.20	-13	-46.20	-71.95	-62.77	4.88	10.60	V
	3345.6	-58.24	-13	-45.24	-72.37	-63.17	5.52	12.60	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	-46.95	-13	-33.95	-55.63	-50.20	4.00	9.40	H
	2509.2	-57.70	-13	-44.70	-70.49	-61.27	4.88	10.60	H
	3345.6	-55.36	-13	-42.36	-69.76	-60.29	5.52	12.60	H
	1672.8	-46.65	-13	-33.65	-54.78	-49.90	4.00	9.40	V
	2509.2	-60.97	-13	-47.97	-73.72	-64.54	4.88	10.60	V
	3345.6	-56.60	-13	-43.60	-70.73	-61.53	5.52	12.60	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	-60.17	-13	-47.17	-76.89	-66.92	5.85	12.60	H
	5640	-58.78	-13	-45.78	-79.38	-64.58	7.30	13.10	H
	7520	-54.89	-13	-41.89	-79.52	-58.04	8.35	11.50	H
	9400	-45.38	-13	-32.38	-75.87	-47.53	9.85	12.00	H
	11280	-44.38	-13	-31.38	-75.92	-45.28	10.90	11.80	H
	3760	-58.85	-13	-45.85	-75.5	-65.60	5.85	12.60	V
	5640	-59.29	-13	-46.29	-79.14	-65.09	7.30	13.10	V
	7520	-54.96	-13	-41.96	-79.57	-58.11	8.35	11.50	V
	9400	-45.94	-13	-32.94	-75.51	-48.09	9.85	12.00	V
	11280	-46.87	-13	-33.87	-78.13	-47.77	10.90	11.80	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	-59.99	-13	-46.99	-76.71	-66.74	5.85	12.60	H
	5640	-58.15	-13	-45.15	-78.75	-63.95	7.30	13.10	H
	7520	-55.15	-13	-42.15	-79.78	-58.30	8.35	11.50	H
	9396	-46.15	-13	-33.15	-76.64	-48.30	9.85	12.00	H
	3760	-59.84	-13	-46.84	-76.49	-66.59	5.85	12.60	V
	5640	-58.88	-13	-45.88	-78.73	-64.68	7.30	13.10	V
	7520	-54.99	-13	-41.99	-79.6	-58.14	8.35	11.50	V
	9396	-46.88	-13	-33.88	-76.45	-49.03	9.85	12.00	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	-55.92	-13	-42.92	-64.60	-59.17	4.00	9.40	H
	2509.2	-63.60	-13	-50.60	-76.39	-67.17	4.88	10.60	H
	3345.6	-62.48	-13	-49.48	-76.88	-67.41	5.52	12.60	H
	1672.8	-56.72	-13	-43.72	-64.85	-59.97	4.00	9.40	V
	2509.2	-63.59	-13	-50.59	-76.34	-67.16	4.88	10.60	V
	3345.6	-63.00	-13	-50.00	-77.13	-67.93	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	-60.89	-13	-47.89	-77.61	-67.64	5.85	12.60	H
	5640	-58.69	-13	-45.69	-79.29	-64.49	7.30	13.10	H
	7520	-55.28	-13	-42.28	-79.91	-58.43	8.35	11.50	H
	3760	-60.32	-13	-47.32	-76.97	-67.07	5.85	12.60	V
	5640	-59.26	-13	-46.26	-79.11	-65.06	7.30	13.10	V
	7520	-55.39	-13	-42.39	-80	-58.54	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	-55.97	-13	-42.97	-71.35	-62.82	5.65	12.50	H
	5197.8	-61.41	-13	-48.41	-80.79	-67.08	7.13	12.80	H
	6930.4	-56.10	-13	-43.10	-79.90	-59.50	8.40	11.80	H
	3465.2	-58.25	-13	-45.25	-73.65	-65.10	5.65	12.50	V
	5197.8	-61.42	-13	-48.42	-81.11	-67.09	7.13	12.80	V
	6930.4	-55.80	-13	-42.80	-80.07	-59.20	8.40	11.80	V

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