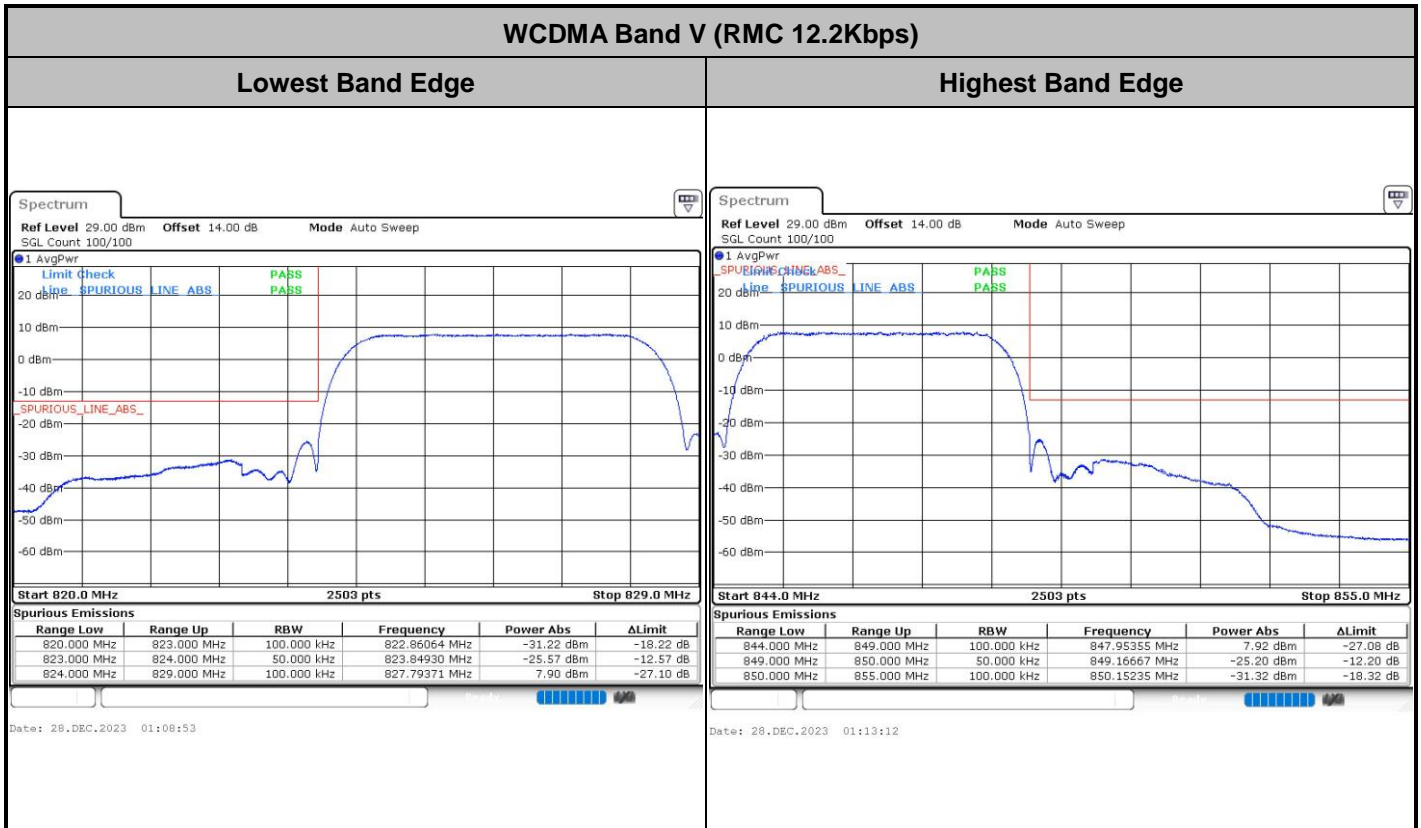
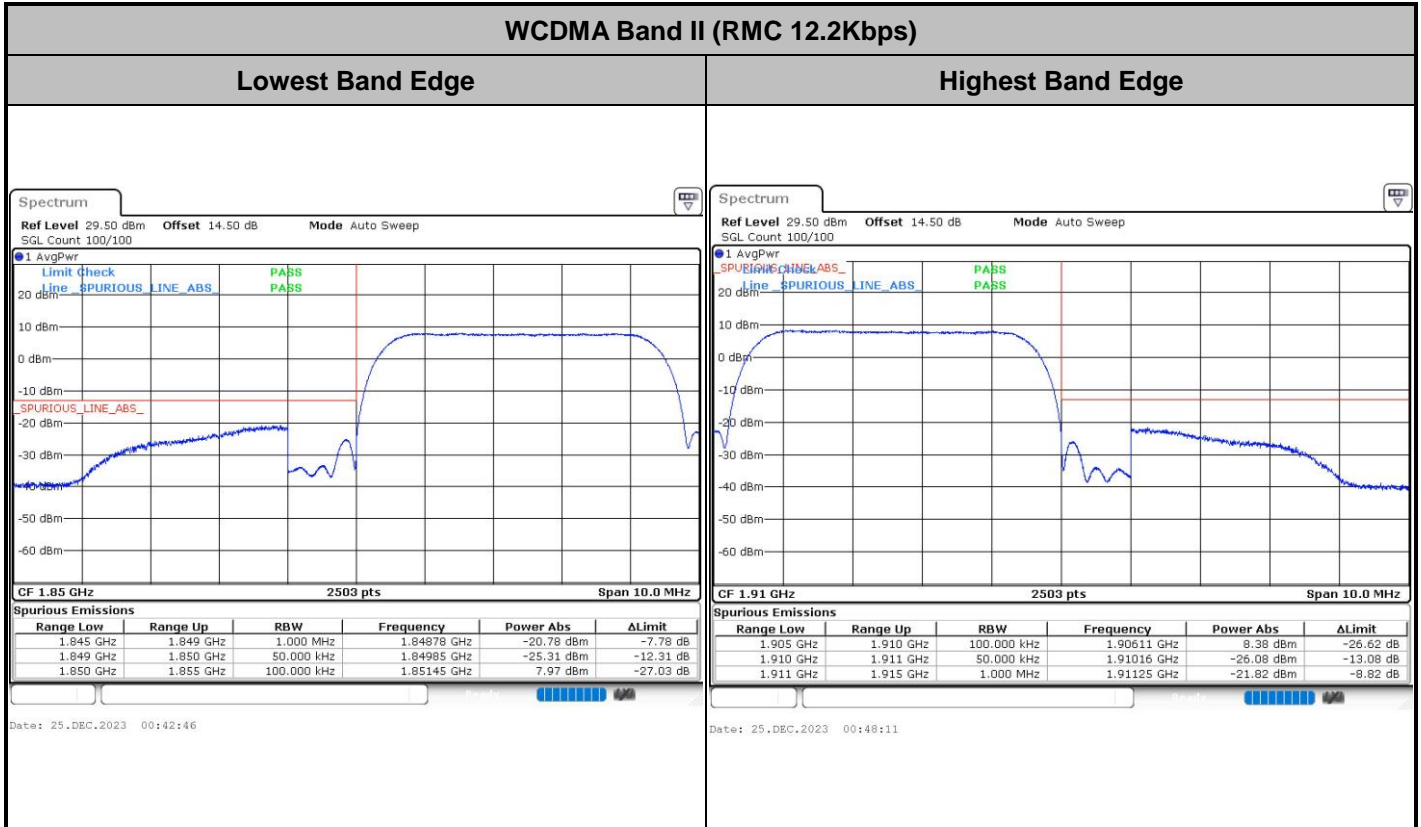
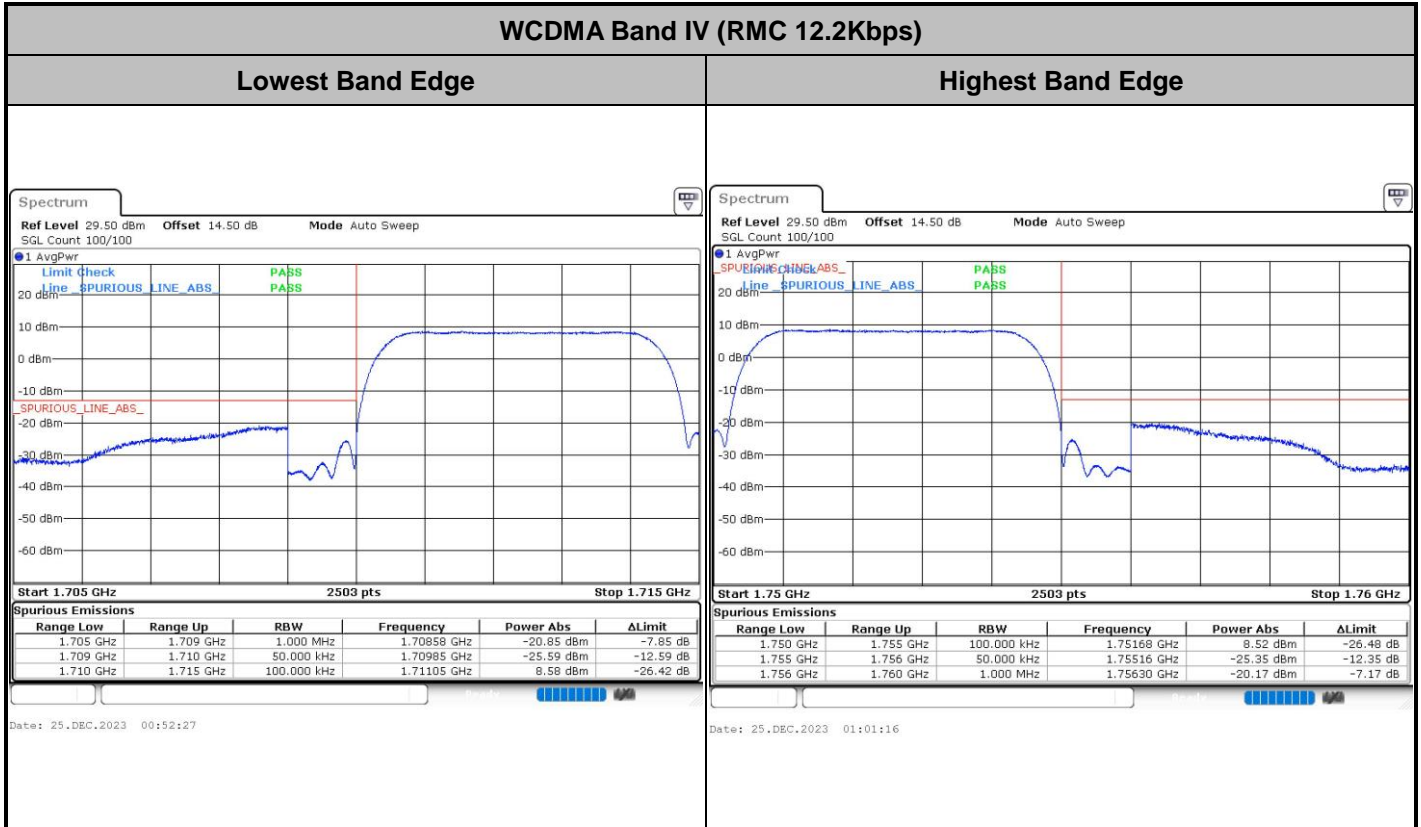




Conducted Band Edge

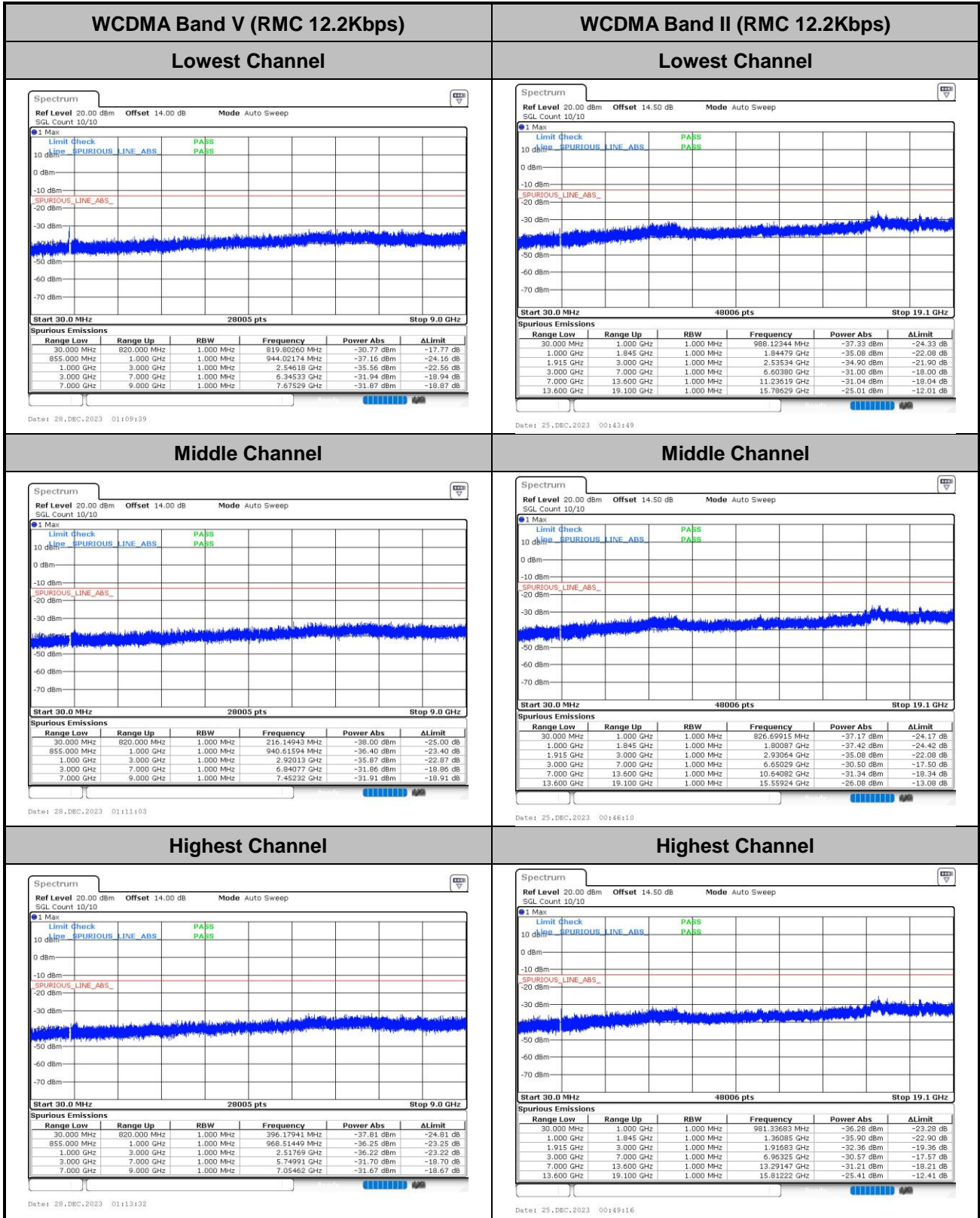








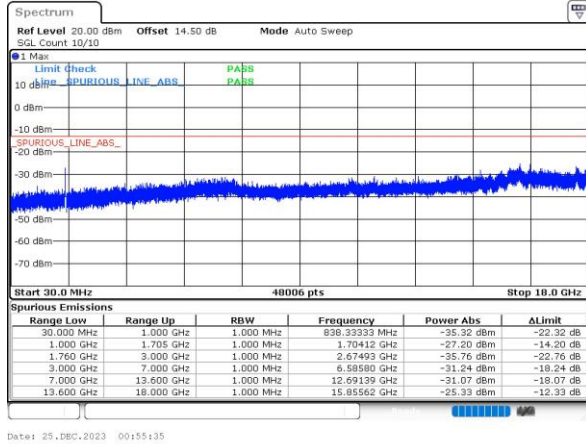
Conducted Spurious Emission



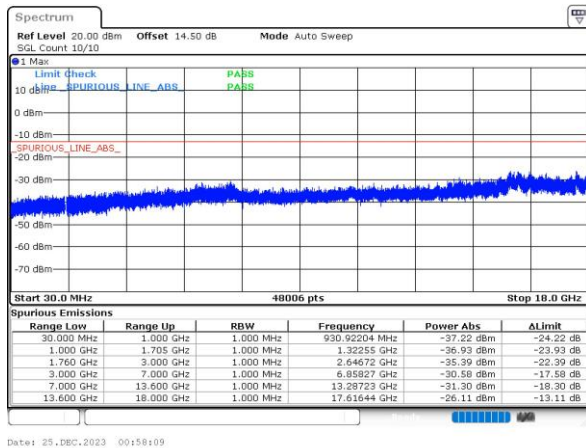


WCDMA Band IV (RMC 12.2Kbps)

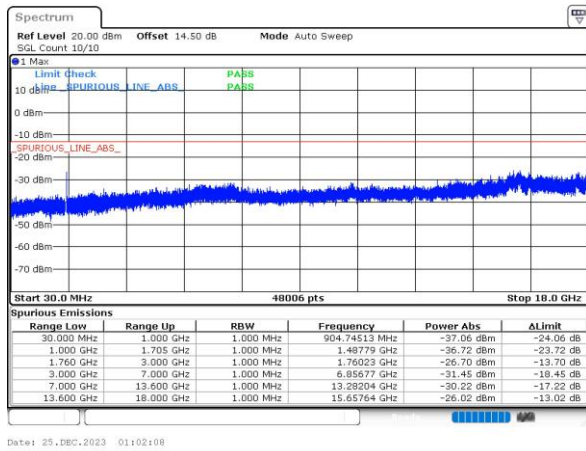
Lowest Channel



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	0.0004	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0006	
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	0.0014	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	



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	0.0003	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.5V
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 :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pretest all the support Antennas, only the worst results are shown 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)
Low	1648.4	-59.92	-13	-46.92	-67.97	-63.15	3.98	9.36	H
	2472.6	-55.57	-13	-42.57	-67.76	-59.12	4.85	10.55	H
	3296.8	-61.88	-13	-48.88	-77.11	-66.81	5.50	12.58	H
	1648.4	-64.16	-13	-51.16	-72.25	-67.39	3.98	9.36	V
	2472.6	-59.58	-13	-46.58	-71.81	-63.13	4.85	10.55	V
	3296.8	-62.16	-13	-49.16	-77.30	-67.09	5.50	12.58	V
Middle	1672.8	-61.31	-13	-48.31	-68.82	-64.56	4.00	9.40	H
	2509.2	-58.59	-13	-45.59	-70.87	-62.16	4.88	10.60	H
	3345.6	-62.22	-13	-49.22	-77.30	-67.15	5.52	12.60	H
	1672.8	-65.62	-13	-52.62	-73.32	-68.87	4.00	9.40	V
	2509.2	-58.50	-13	-45.50	-70.90	-62.07	4.88	10.60	V
	3345.6	-62.25	-13	-49.25	-77.35	-67.18	5.52	12.60	V
High	1697.6	-61.83	-13	-48.83	-69.51	-65.00	4.10	9.42	H
	2546.4	-58.40	-13	-45.40	-71.00	-61.98	4.90	10.63	H
	3395.2	-62.30	-13	-49.30	-77.30	-67.22	5.55	12.62	H
	1697.6	-65.05	-13	-52.05	-72.91	-68.22	4.10	9.42	V
	2546.4	-60.97	-13	-47.97	-73.58	-64.55	4.90	10.63	V
	3395.2	-62.41	-13	-49.41	-77.42	-67.33	5.55	12.62	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)
Low	1648.4	-60.50	-13	-47.50	-68.55	-63.73	3.98	9.36	H
	2472.6	-55.47	-13	-42.47	-67.66	-59.02	4.85	10.55	H
	3296.8	-62.03	-13	-49.03	-77.26	-66.96	5.50	12.58	H
	1648.4	-60.99	-13	-47.99	-69.08	-64.22	3.98	9.36	V
	2472.6	-60.17	-13	-47.17	-72.40	-63.72	4.85	10.55	V
	3296.8	-61.70	-13	-48.70	-76.84	-66.63	5.50	12.58	V
Middle	1672.8	-57.25	-13	-44.25	-64.76	-60.50	4.00	9.40	H
	2509.2	-55.35	-13	-42.35	-67.63	-58.92	4.88	10.60	H
	3345.6	-62.16	-13	-49.16	-77.24	-67.09	5.52	12.60	H
	1672.8	-62.60	-13	-49.60	-70.30	-65.85	4.00	9.40	V
	2509.2	-58.32	-13	-45.32	-70.72	-61.89	4.88	10.60	V
	3345.6	-61.81	-13	-48.81	-76.91	-66.74	5.52	12.60	V
High	1697.6	-61.24	-13	-48.24	-68.92	-64.41	4.10	9.42	H
	2546.4	-58.58	-13	-45.58	-71.18	-62.16	4.90	10.63	H
	3395.2	-62.11	-13	-49.11	-77.11	-67.03	5.55	12.62	H
	1697.6	-64.87	-13	-51.87	-72.73	-68.04	4.10	9.42	V
	2546.4	-60.73	-13	-47.73	-73.34	-64.31	4.90	10.63	V
	3395.2	-62.30	-13	-49.30	-77.31	-67.22	5.55	12.62	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)
Low	1652.8	-66.45	-13	-53.45	-74.40	-69.68	3.98	9.36	H
	2479.2	-63.92	-13	-50.92	-76.13	-67.47	4.85	10.55	H
	3305.6	-62.09	-13	-49.09	-77.29	-67.02	5.50	12.58	H
	1652.8	-66.12	-13	-53.12	-74.14	-69.35	3.98	9.36	V
	2479.2	-63.76	-13	-50.76	-76.02	-67.31	4.85	10.55	V
	3305.6	-62.11	-13	-49.11	-77.24	-67.04	5.50	12.58	V
Middle	1672.8	-66.50	-13	-53.50	-74.01	-69.75	4.00	9.40	H
	2509.2	-63.48	-13	-50.48	-75.76	-67.05	4.88	10.60	H
	3345.6	-62.00	-13	-49.00	-77.08	-66.93	5.52	12.60	H
	1672.8	-66.33	-13	-53.33	-74.03	-69.58	4.00	9.40	V
	2509.2	-63.32	-13	-50.32	-75.72	-66.89	4.88	10.60	V
	3345.6	-62.13	-13	-49.13	-77.23	-67.06	5.52	12.60	V
High	1693.2	-58.98	-13	-45.98	-66.64	-62.15	4.10	9.42	H
	2539.8	-63.02	-13	-50.02	-75.56	-66.60	4.90	10.63	H
	3386.4	-62.53	-13	-49.53	-77.55	-67.45	5.55	12.62	H
	1693.2	-64.88	-13	-51.88	-72.72	-68.05	4.10	9.42	V
	2539.8	-63.22	-13	-50.22	-75.79	-66.80	4.90	10.63	V
	3386.4	-62.37	-13	-49.37	-77.40	-67.29	5.55	12.62	V

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



GSM1900 (GSM) Ant.0									
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)
Low	3700.4	-62.30	-13	-49.30	-78.75	-69.06	5.82	12.58	H
	5550.6	-60.75	-13	-47.75	-80.83	-66.47	7.28	13.00	H
	7400.8	-55.01	-13	-42.01	-79.62	-58.17	8.32	11.48	H
	3700.4	-62.62	-13	-49.62	-78.82	-69.38	5.82	12.58	V
	5550.6	-61.14	-13	-48.14	-81.07	-66.86	7.28	13.00	V
	7400.8	-54.72	-13	-41.72	-79.64	-57.88	8.32	11.48	V
Middle	3760	-61.92	-13	-48.92	-78.61	-68.67	5.85	12.60	H
	5640	-59.04	-13	-46.04	-79.88	-64.84	7.30	13.10	H
	7520	-55.49	-13	-42.49	-79.83	-58.64	8.35	11.50	H
	3760	-62.28	-13	-49.28	-78.53	-69.03	5.85	12.60	V
	5640	-60.37	-13	-47.37	-80	-66.17	7.30	13.10	V
	7520	-54.88	-13	-41.88	-79.64	-58.03	8.35	11.50	V
High	3819.6	-61.35	-13	-48.35	-78.22	-68.09	5.88	12.62	H
	5729.4	-58.08	-13	-45.08	-79.58	-63.89	7.32	13.13	H
	7639.2	-55.41	-13	-42.41	-79.56	-58.57	8.38	11.54	H
	3819.6	-61.94	-13	-48.94	-78.33	-68.68	5.88	12.62	V
	5729.4	-58.87	-13	-45.87	-79.54	-64.68	7.32	13.13	V
	7639.2	-54.63	-13	-41.63	-79.31	-57.79	8.38	11.54	V

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

GSM1900 (EDGE 1 Tx slots) Ant.0									
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)
Low	3704.8	-62.30	-13	-49.30	-78.77	-69.06	5.82	12.58	H
	5557.2	-60.85	-13	-47.85	-80.89	-66.57	7.28	13.00	H
	7409.6	-55.14	-13	-42.14	-79.72	-58.30	8.32	11.48	H
	3704.8	-62.56	-13	-49.56	-78.76	-69.32	5.82	12.58	V
	5557.2	-61.16	-13	-48.16	-81.05	-66.88	7.28	13.00	V
	7409.6	-54.69	-13	-41.69	-79.59	-57.85	8.32	11.48	V
Middle	3760	-62.03	-13	-49.03	-78.72	-68.78	5.85	12.60	H
	5640	-58.92	-13	-45.92	-79.76	-64.72	7.30	13.10	H
	7520	-55.31	-13	-42.31	-79.65	-58.46	8.35	11.50	H
	3760	-62.35	-13	-49.35	-78.6	-69.10	5.85	12.60	V
	5640	-60.28	-13	-47.28	-79.91	-66.08	7.30	13.10	V
	7520	-54.99	-13	-41.99	-79.75	-58.14	8.35	11.50	V
High	3815.2	-61.24	-13	-48.24	-78.10	-67.98	5.88	12.62	H
	5722.8	-57.98	-13	-44.98	-79.44	-63.79	7.32	13.13	H
	7630.4	-55.12	-13	-42.12	-79.29	-58.28	8.38	11.54	H
	3815.2	-62.09	-13	-49.09	-78.45	-68.83	5.88	12.62	V
	5722.8	-59.10	-13	-46.10	-79.7	-64.91	7.32	13.13	V
	7630.4	-54.92	-13	-41.92	-79.61	-58.08	8.38	11.54	V

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



WCDMA Band II(RMC 12.2Kbps) Ant.0									
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)
Low	3700.4	-61.91	-13	-48.91	-78.36	-68.67	5.82	12.58	H
	5550.6	-60.67	-13	-47.67	-80.75	-66.39	7.28	13.00	H
	7400.8	-54.92	-13	-41.92	-79.53	-58.08	8.32	11.48	H
	3700.4	-62.17	-13	-49.17	-78.37	-68.93	5.82	12.58	V
	5550.6	-60.86	-13	-47.86	-80.79	-66.58	7.28	13.00	V
	7400.8	-53.95	-13	-40.95	-78.87	-57.11	8.32	11.48	V
Middle	3760	-61.88	-13	-48.88	-78.57	-68.63	5.85	12.60	H
	5640	-58.81	-13	-45.81	-79.65	-64.61	7.30	13.10	H
	7520	-55.30	-13	-42.30	-79.64	-58.45	8.35	11.50	H
	3760	-62.26	-13	-49.26	-78.51	-69.01	5.85	12.60	V
	5640	-60.22	-13	-47.22	-79.85	-66.02	7.30	13.10	V
High	7520	-54.21	-13	-41.21	-78.97	-57.36	8.35	11.50	V
	3819.6	-61.64	-13	-48.64	-78.51	-68.38	5.88	12.62	H
	5729.4	-58.07	-13	-45.07	-79.57	-63.88	7.32	13.13	H
	7639.2	-55.28	-13	-42.28	-79.43	-58.44	8.38	11.54	H
	3819.6	-62.13	-13	-49.13	-78.52	-68.87	5.88	12.62	V
	5729.4	-58.66	-13	-45.66	-79.33	-64.47	7.32	13.13	V
7639.2	-53.54	-13	-40.54	-78.22	-56.70	8.38	11.54	V	

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

WCDMA Band IV(RMC 12.2Kbps) Ant.0									
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)
Low	3424.8	-62.49	-13	-49.49	-77.60	-69.37	5.60	12.48	H
	5137.2	-59.59	-13	-46.59	-79.30	-65.27	7.10	12.78	H
	6849.6	-56.84	-13	-43.84	-79.73	-60.23	8.38	11.77	H
	3424.8	-62.47	-13	-49.47	-77.6	-69.35	5.60	12.48	V
	5137.2	-60.04	-13	-47.04	-79.49	-65.72	7.10	12.78	V
	6849.6	-56.72	-13	-43.72	-80.03	-60.11	8.38	11.77	V
Middle	3465.2	-62.37	-13	-49.37	-77.68	-69.22	5.65	12.50	H
	5197.8	-60.09	-13	-47.09	-79.95	-65.76	7.13	12.80	H
	6930.4	-56.98	-13	-43.98	-79.99	-60.38	8.40	11.80	H
	3465.2	-62.00	-13	-49.00	-77.34	-68.85	5.65	12.50	V
	5197.8	-60.25	-13	-47.25	-79.73	-65.92	7.13	12.80	V
High	6930.4	-56.42	-13	-43.42	-79.72	-59.82	8.40	11.80	V
	3505.2	-61.99	-13	-48.99	-77.50	-68.83	5.68	12.52	H
	5257.8	-60.72	-13	-47.72	-80.24	-66.39	7.15	12.82	H
	7010.4	-56.62	-13	-43.62	-79.77	-60.05	8.42	11.85	H
	3505.2	-61.77	-13	-48.77	-77.33	-68.61	5.68	12.52	V
	5257.8	-61.28	-13	-48.28	-80.36	-66.95	7.15	12.82	V
7010.4	-56.49	-13	-43.49	-79.85	-59.92	8.42	11.85	V	

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