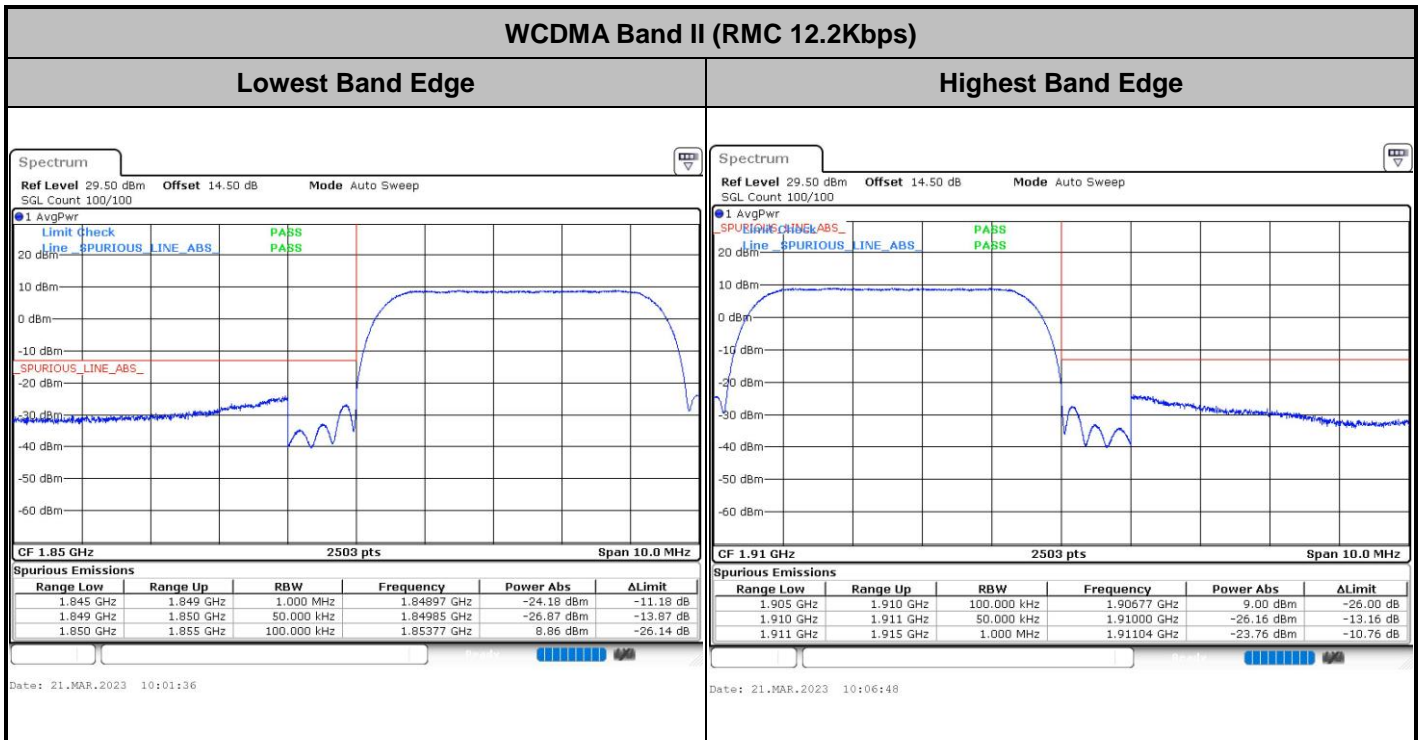
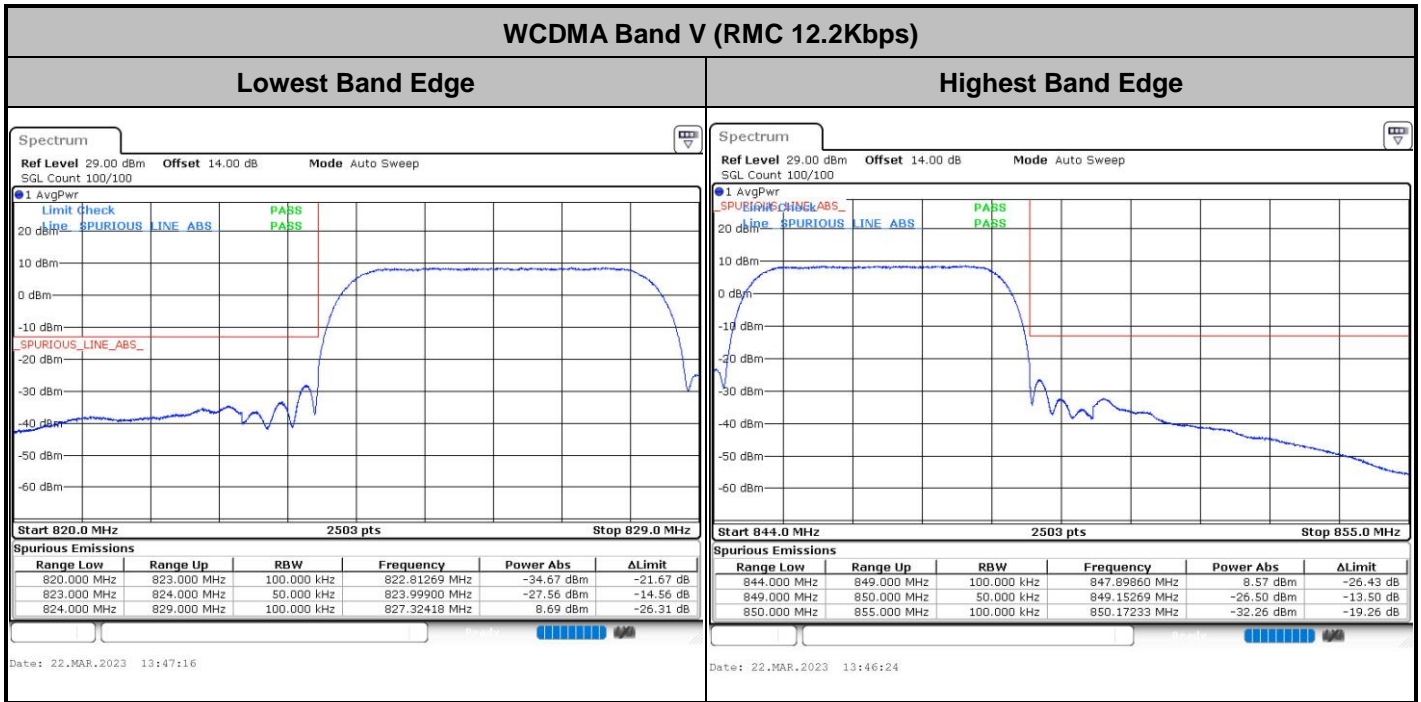
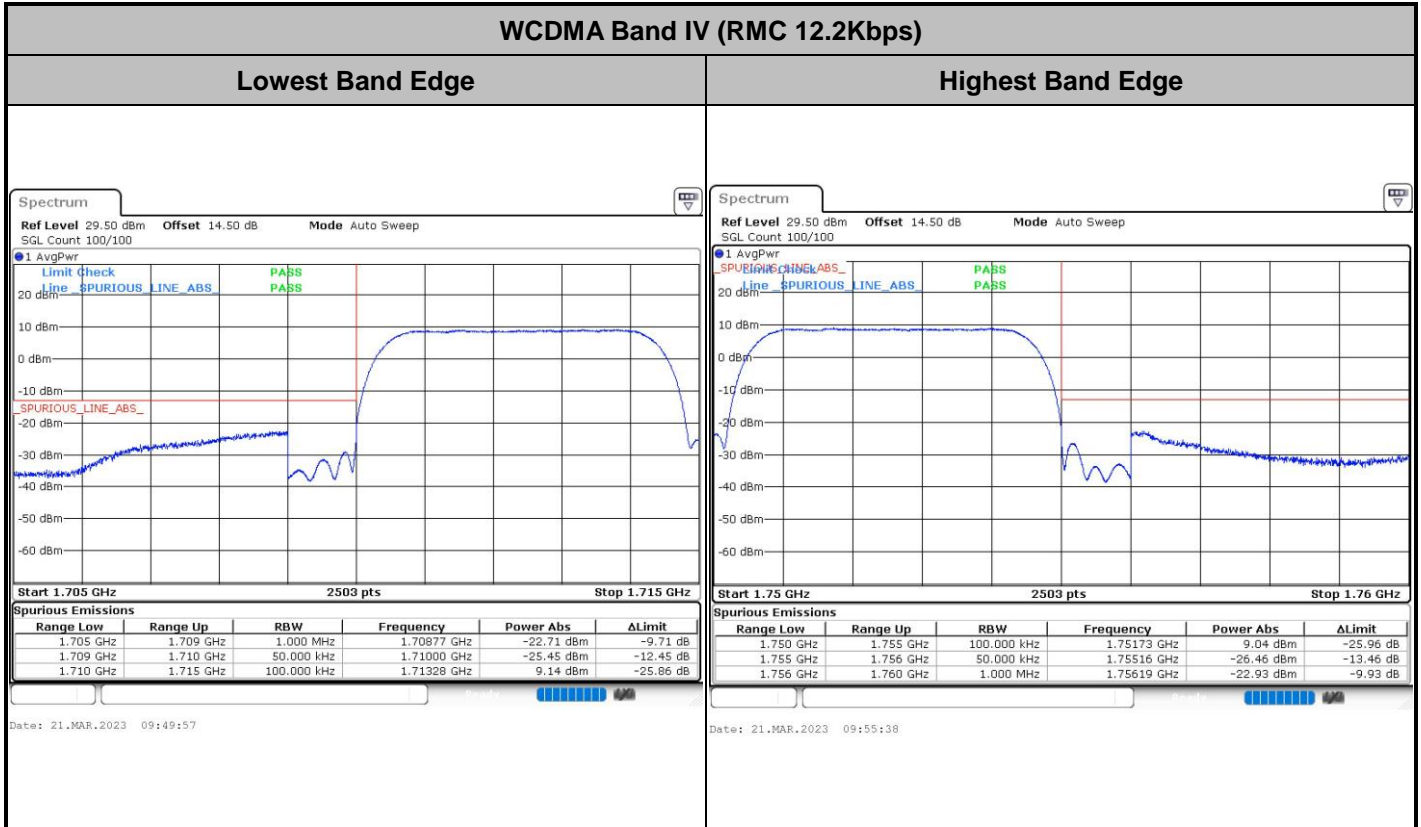




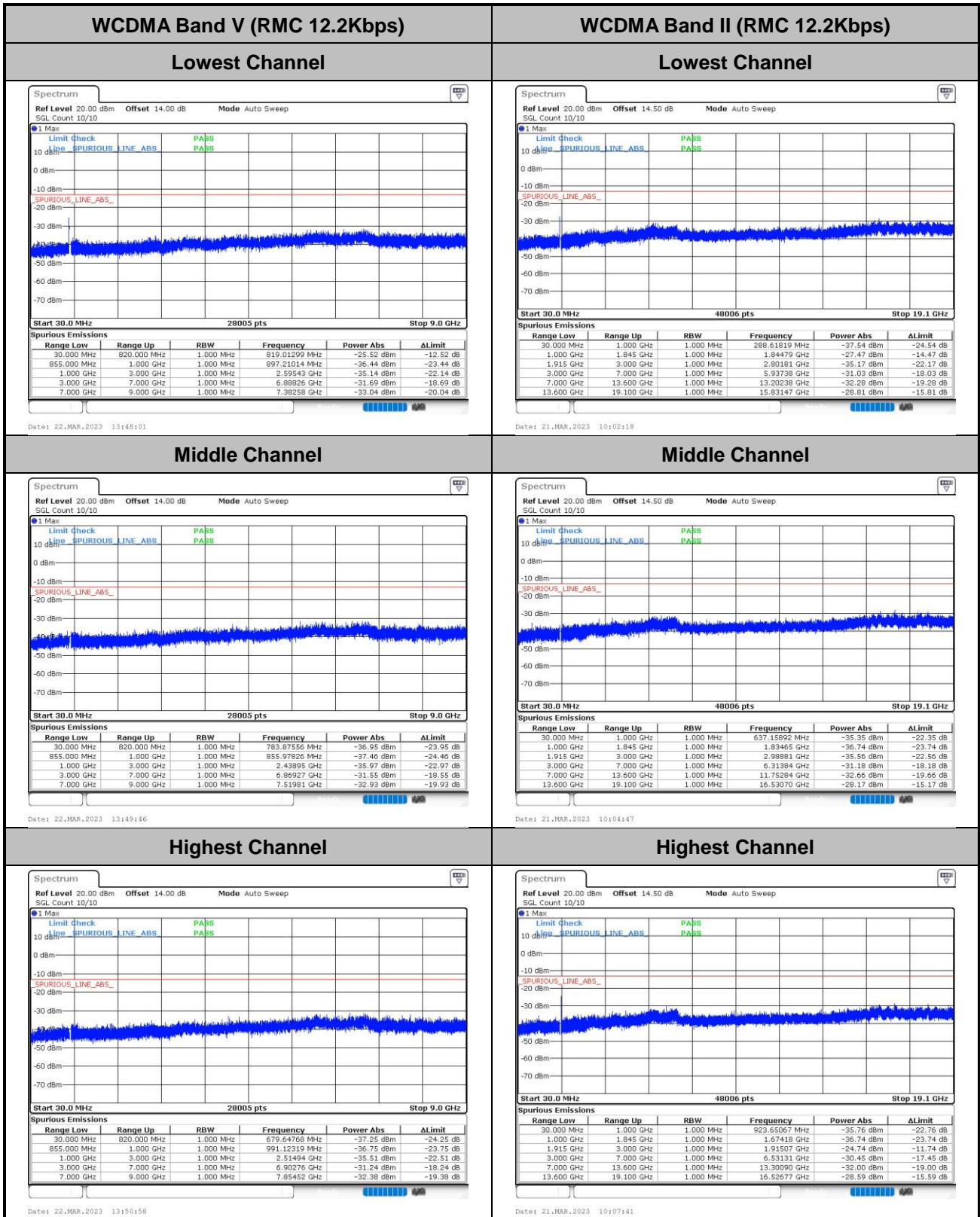
Conducted Band Edge







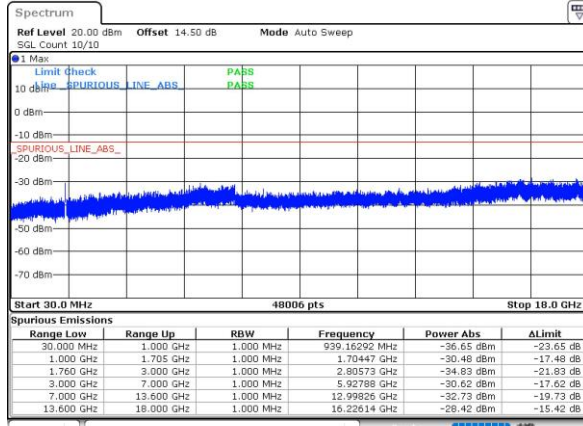
Conducted Spurious Emission





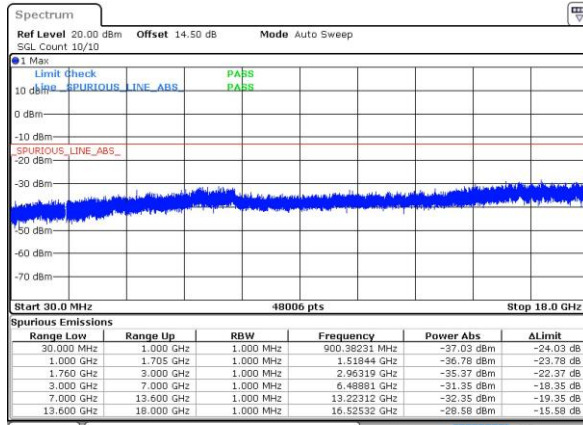
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



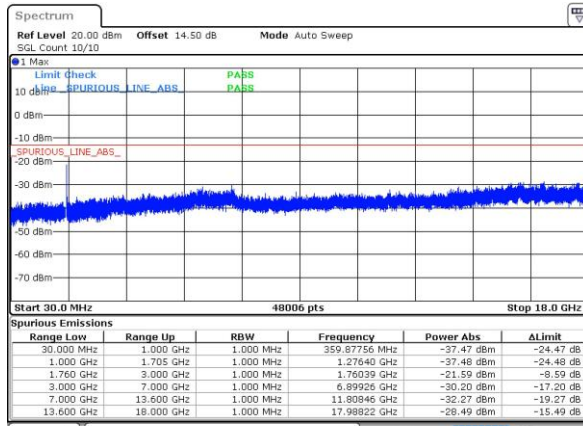
Date: 21.MAR.2023 09:51:06

Middle Channel



Date: 21.MAR.2023 09:53:33

Highest Channel



Date: 21.MAR.2023 09:56:43



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	0.0006	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0006	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0014	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage = 3.89 V ; Battery End Point (BEP) = 3.6V. ; Maximum Voltage =4.48V
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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note : Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

GSM850 (GSM)ANT0									
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)
Lowest	1648.4	-63.29	-13	-50.29	-72.77	-66.52	3.98	9.36	H
	2472.6	-59.17	-13	-46.17	-73.72	-62.72	4.85	10.55	H
	3296.8	-62.51	-13	-49.51	-78.50	-67.44	5.50	12.58	H
	1648.4	-66.70	-13	-53.70	-75.92	-69.93	3.98	9.36	V
	2472.6	-60.17	-13	-47.17	-74.69	-63.72	4.85	10.55	V
	3296.8	-62.84	-13	-49.84	-78.64	-67.77	5.50	12.58	V
Middle	1672.8	-65.26	-13	-52.26	-74.79	-68.51	4.00	9.40	H
	2509.2	-60.20	-13	-47.20	-74.69	-63.77	4.88	10.60	H
	3345.6	-63.27	-13	-50.27	-78.77	-68.20	5.52	12.60	H
	1672.8	-66.95	-13	-53.95	-75.93	-70.20	4.00	9.40	V
	2509.2	-62.70	-13	-49.70	-77.15	-66.27	4.88	10.60	V
	3345.6	-63.63	-13	-50.63	-78.86	-68.56	5.52	12.60	V
Highest	1697.6	-64.86	-13	-51.86	-74.46	-68.03	4.10	9.42	H
	2546.4	-58.19	-13	-45.19	-72.74	-61.77	4.90	10.63	H
	3395.2	-63.14	-13	-50.14	-79.03	-68.06	5.55	12.62	H
	1697.6	-67.10	-13	-54.10	-76.18	-70.27	4.10	9.42	V
	2546.4	-62.07	-13	-49.07	-76.56	-65.65	4.90	10.63	V
	3395.2	-62.94	-13	-49.94	-78.95	-67.86	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots) ANT0									
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)
Lowest	1648.4	-63.44	-13	-50.44	-72.92	-66.67	3.98	9.36	H
	2472.6	-57.78	-13	-44.78	-72.33	-61.33	4.85	10.55	H
	3296.8	-62.82	-13	-49.82	-78.81	-67.75	5.50	12.58	H
	1648.4	-66.23	-13	-53.23	-75.45	-69.46	3.98	9.36	V
	2472.6	-53.14	-13	-40.14	-67.66	-56.69	4.85	10.55	V
	3296.8	-62.86	-13	-49.86	-78.66	-67.79	5.50	12.58	V
Middle	1672.8	-63.49	-13	-50.49	-73.02	-66.74	4.00	9.40	H
	2509.2	-56.60	-13	-43.60	-71.09	-60.17	4.88	10.60	H
	3345.6	-63.20	-13	-50.20	-78.70	-68.13	5.52	12.60	H
	1672.8	-65.81	-13	-52.81	-74.79	-69.06	4.00	9.40	V
	2509.2	-59.85	-13	-46.85	-74.30	-63.42	4.88	10.60	V
	3345.6	-63.21	-13	-50.21	-78.44	-68.14	5.52	12.60	V
Highest	1697.6	-64.84	-13	-51.84	-74.44	-68.01	4.10	9.42	H
	2546.4	-53.82	-13	-40.82	-68.37	-57.40	4.90	10.63	H
	3395.2	-62.42	-13	-49.42	-78.31	-67.34	5.55	12.62	H
	1697.6	-66.70	-13	-53.70	-75.78	-69.87	4.10	9.42	V
	2546.4	-59.54	-13	-46.54	-74.03	-63.12	4.90	10.63	V
	3395.2	-62.54	-13	-49.54	-78.55	-67.46	5.55	12.62	V

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

GSM1900 (GSM) ANT2									
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)
Lowest	3700.4	-63.03	-13	-50.03	-78.58	-69.79	5.82	12.58	H
	5550.6	-62.10	-13	-49.10	-80.66	-67.82	7.28	13.00	H
	7400.8	-55.32	-13	-42.32	-80.33	-58.48	8.32	11.48	H
	3700.4	-63.51	-13	-50.51	-78.81	-70.27	5.82	12.58	V
	5550.6	-61.93	-13	-48.93	-80.34	-67.65	7.28	13.00	V
	7400.8	-54.86	-13	-41.86	-80.18	-58.02	8.32	11.48	V
Middle	3760	-62.73	-13	-49.73	-78.52	-69.48	5.85	12.60	H
	5640	-60.89	-13	-47.89	-80.35	-66.69	7.30	13.10	H
	7520	-55.73	-13	-42.73	-80.57	-58.88	8.35	11.50	H
	3760	-63.04	-13	-50.04	-78.39	-69.79	5.85	12.60	V
	5640	-61.91	-13	-48.91	-80.16	-67.71	7.30	13.10	V
	7520	-55.00	-13	-42.00	-80.26	-58.15	8.35	11.50	V
Highest	3819.6	-62.87	-13	-49.87	-78.84	-69.61	5.88	12.62	H
	5729.4	-60.10	-13	-47.10	-80.37	-65.91	7.32	13.13	H
	7639.2	-55.52	-13	-42.52	-80.17	-58.68	8.38	11.54	H
	3819.6	-63.43	-13	-50.43	-78.92	-70.17	5.88	12.62	V
	5729.4	-60.72	-13	-47.72	-80.16	-66.53	7.32	13.13	V
	7639.2	-54.74	-13	-41.74	-79.92	-57.90	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots) ANT2									
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)
Lowest	3700.4	-63.28	-13	-50.28	-78.83	-70.04	5.82	12.58	H
	5550.6	-62.07	-13	-49.07	-80.63	-67.79	7.28	13.00	H
	7400.8	-55.17	-13	-42.17	-80.18	-58.33	8.32	11.48	H
	3700.4	-63.25	-13	-50.25	-78.55	-70.01	5.82	12.58	V
	5550.6	-61.87	-13	-48.87	-80.28	-67.59	7.28	13.00	V
	7400.8	-55.00	-13	-42.00	-80.32	-58.16	8.32	11.48	V
Middle	3760	-62.75	-13	-49.75	-78.54	-69.50	5.85	12.60	H
	5640	-61.06	-13	-48.06	-80.52	-66.86	7.30	13.10	H
	7520	-55.71	-13	-42.71	-80.55	-58.86	8.35	11.50	H
	3760	-63.15	-13	-50.15	-78.5	-69.90	5.85	12.60	V
	5640	-62.18	-13	-49.18	-80.43	-67.98	7.30	13.10	V
	7520	-55.30	-13	-42.30	-80.56	-58.45	8.35	11.50	V
Highest	3819.6	-62.83	-13	-49.83	-78.80	-69.57	5.88	12.62	H
	5729.4	-60.08	-13	-47.08	-80.35	-65.89	7.32	13.13	H
	7639.2	-55.12	-13	-42.12	-79.77	-58.28	8.38	11.54	H
	3819.6	-63.42	-13	-50.42	-78.91	-70.16	5.88	12.62	V
	5729.4	-60.91	-13	-47.91	-80.35	-66.72	7.32	13.13	V
	7639.2	-54.60	-13	-41.60	-79.78	-57.76	8.38	11.54	V

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

WCDMA Band V(RMC 12.2Kbps) ANT0									
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)
Lowest	1652.8	-66.68	-13	-53.68	-74.35	-69.91	3.98	9.36	H
	2479.2	-64.59	-13	-51.59	-76.03	-68.14	4.85	10.55	H
	3305.6	-63.11	-13	-50.11	-77.33	-68.04	5.50	12.58	H
	1652.8	-66.65	-13	-53.65	-74.39	-69.88	3.98	9.36	V
	2479.2	-64.32	-13	-51.32	-75.81	-67.87	4.85	10.55	V
	3305.6	-63.39	-13	-50.39	-77.54	-68.32	5.50	12.58	V
Middle	1672.8	-66.89	-13	-53.89	-74.14	-70.14	4.00	9.40	H
	2509.2	-63.63	-13	-50.63	-75.10	-67.20	4.88	10.60	H
	3345.6	-62.66	-13	-49.66	-76.78	-67.59	5.52	12.60	H
	1672.8	-66.65	-13	-53.65	-74.09	-69.90	4.00	9.40	V
	2509.2	-63.81	-13	-50.81	-75.40	-67.38	4.88	10.60	V
	3345.6	-62.83	-13	-49.83	-76.97	-67.76	5.52	12.60	V
Highest	1693.2	-67.08	-13	-54.08	-74.49	-70.25	4.10	9.42	H
	2539.8	-60.07	-13	-47.07	-71.79	-63.65	4.90	10.63	H
	3386.4	-63.42	-13	-50.42	-77.49	-68.34	5.55	12.62	H
	1693.2	-66.84	-13	-53.84	-74.43	-70.01	4.10	9.42	V
	2539.8	-62.93	-13	-49.93	-74.68	-66.51	4.90	10.63	V
	3386.4	-63.44	-13	-50.44	-77.52	-68.36	5.55	12.62	V

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



WCDMA Band II(RMC 12.2Kbps) ANT2									
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)
Lowest	3704.8	-63.26	-13	-50.26	-78.83	-70.02	5.82	12.58	H
	5557.2	-61.84	-13	-48.84	-80.37	-67.56	7.28	13.00	H
	7409.6	-55.37	-13	-42.37	-80.36	-58.53	8.32	11.48	H
	3704.8	-63.40	-13	-50.40	-78.7	-70.16	5.82	12.58	V
	5557.2	-62.00	-13	-49.00	-80.38	-67.72	7.28	13.00	V
	7409.6	-54.76	-13	-41.76	-80.07	-57.92	8.32	11.48	V
Middle	3760	-62.74	-13	-49.74	-78.53	-69.49	5.85	12.60	H
	5640	-60.90	-13	-47.90	-80.36	-66.70	7.30	13.10	H
	7520	-56.10	-13	-43.10	-80.94	-59.25	8.35	11.50	H
	3760	-63.03	-13	-50.03	-78.38	-69.78	5.85	12.60	V
	5640	-62.21	-13	-49.21	-80.46	-68.01	7.30	13.10	V
	7520	-55.28	-13	-42.28	-80.54	-58.43	8.35	11.50	V
Highest	3815.2	-62.58	-13	-49.58	-78.54	-69.32	5.88	12.62	H
	5722.8	-60.25	-13	-47.25	-80.46	-66.06	7.32	13.13	H
	7630.4	-55.39	-13	-42.39	-80.06	-58.55	8.38	11.54	H
	3815.2	-63.14	-13	-50.14	-78.6	-69.88	5.88	12.62	V
	5722.8	-61.03	-13	-48.03	-80.38	-66.84	7.32	13.13	V
	7630.4	-55.02	-13	-42.02	-80.21	-58.18	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) ANT2									
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)
Lowest	3424.8	-63.71	-13	-50.71	-77.89	-70.59	5.60	12.48	H
	5137.2	-61.35	-13	-48.35	-80.62	-67.03	7.10	12.78	H
	6849.6	-58.11	-13	-45.11	-80.88	-61.50	8.38	11.77	H
	3424.8	-63.84	-13	-50.84	-78.04	-70.72	5.60	12.48	V
	5137.2	-61.37	-13	-48.37	-80.38	-67.05	7.10	12.78	V
	6849.6	-57.44	-13	-44.44	-80.63	-60.83	8.38	11.77	V
Middle	3465.2	-64.09	-13	-51.09	-78.49	-70.94	5.65	12.50	H
	5197.8	-61.63	-13	-48.63	-80.85	-67.30	7.13	12.80	H
	6930.4	-57.55	-13	-44.55	-80.51	-60.95	8.40	11.80	H
	3465.2	-63.77	-13	-50.77	-78.2	-70.62	5.65	12.50	V
	5197.8	-61.85	-13	-48.85	-80.69	-67.52	7.13	12.80	V
	6930.4	-57.21	-13	-44.21	-80.46	-60.61	8.40	11.80	V
Highest	3505.2	-63.62	-13	-50.62	-78.23	-70.46	5.68	12.52	H
	5257.8	-62.09	-13	-49.09	-80.79	-67.76	7.15	12.82	H
	7010.4	-57.13	-13	-44.13	-80.29	-60.56	8.42	11.85	H
	3505.2	-63.41	-13	-50.41	-78.07	-70.25	5.68	12.52	V
	5257.8	-62.52	-13	-49.52	-80.78	-68.19	7.15	12.82	V
	7010.4	-57.11	-13	-44.11	-80.48	-60.54	8.42	11.85	V

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