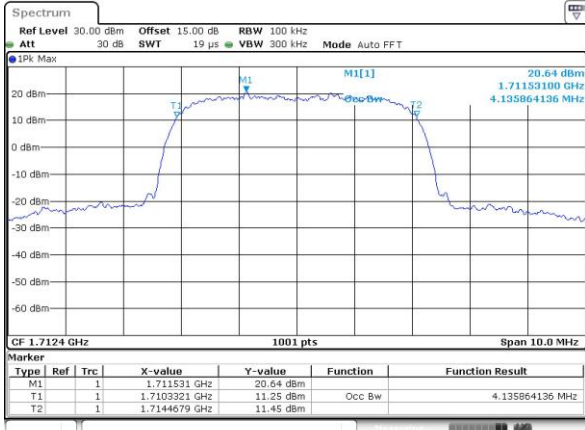




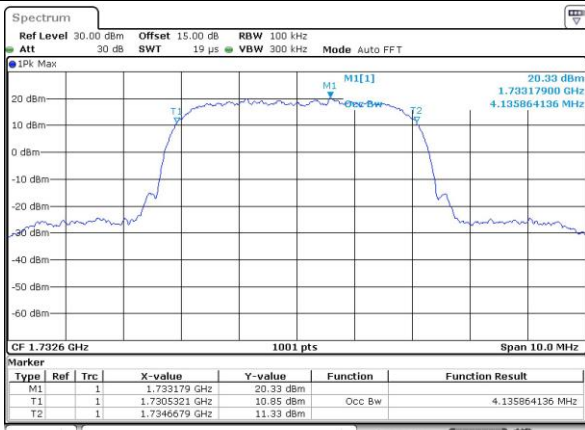
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



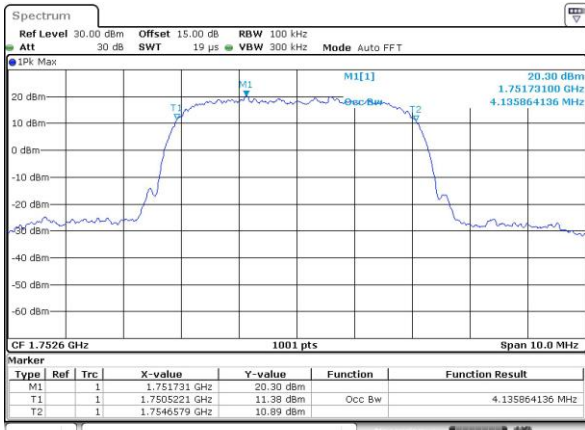
Date: 28.FEB.2023 22:06:34

Middle Channel



Date: 28.FEB.2023 22:05:15

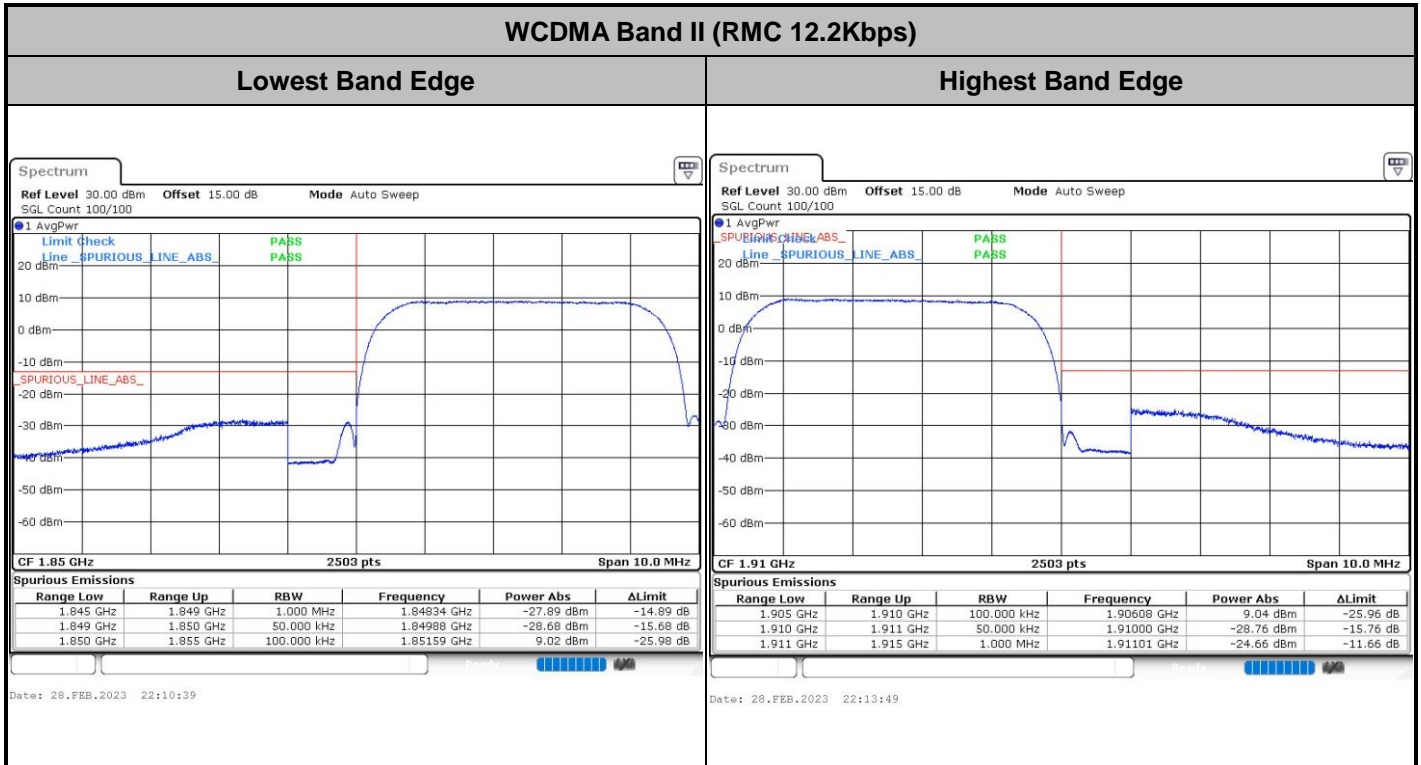
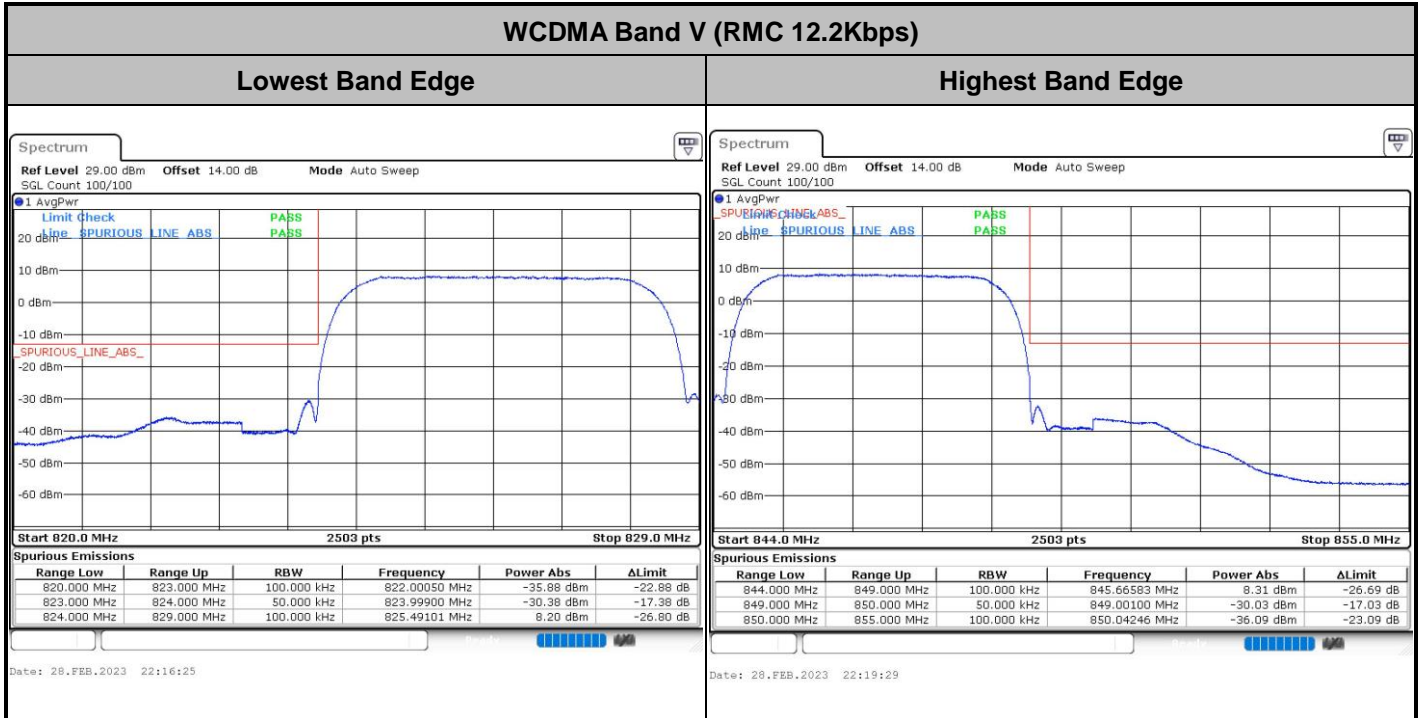
Highest Channel

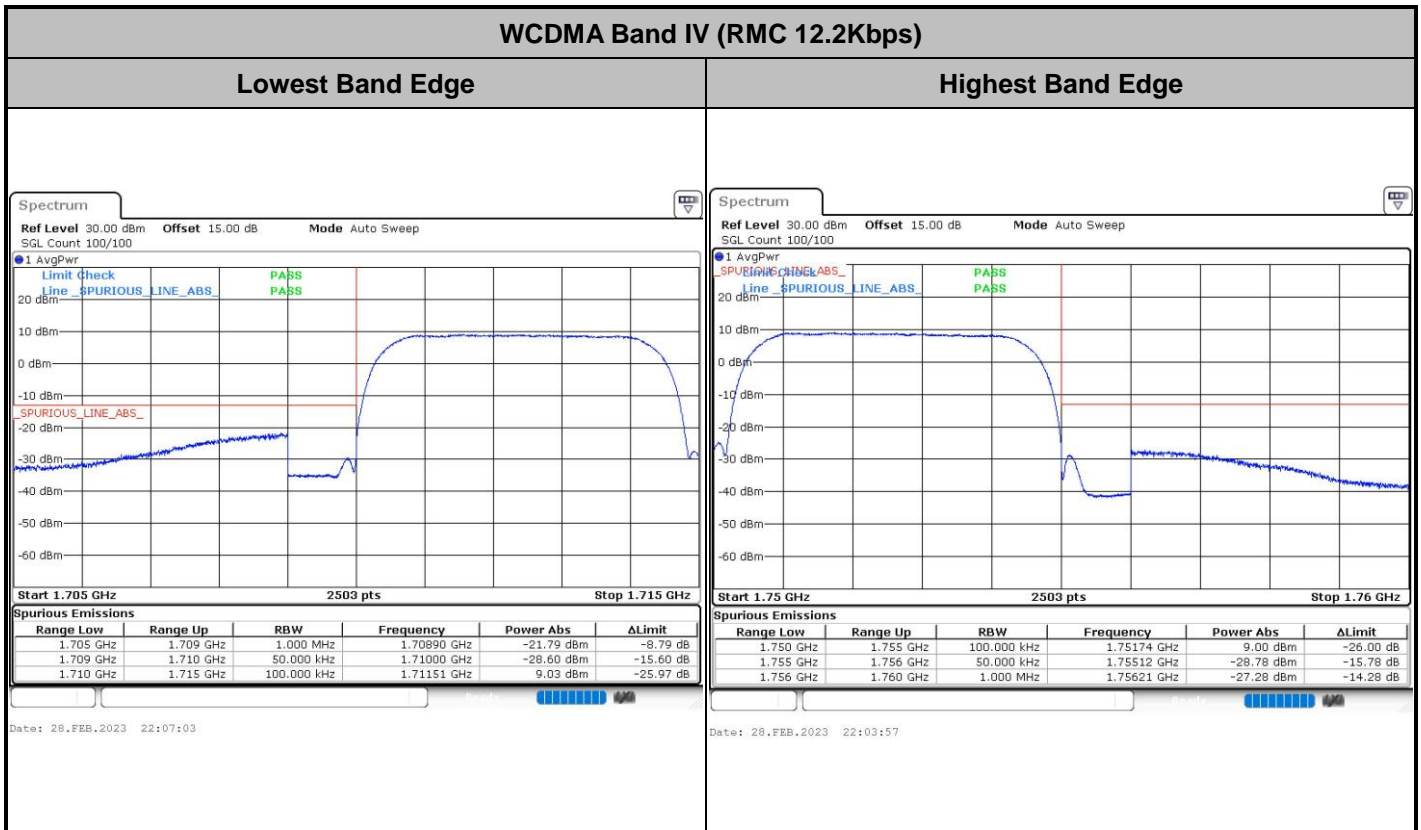


Date: 28.FEB.2023 22:03:22



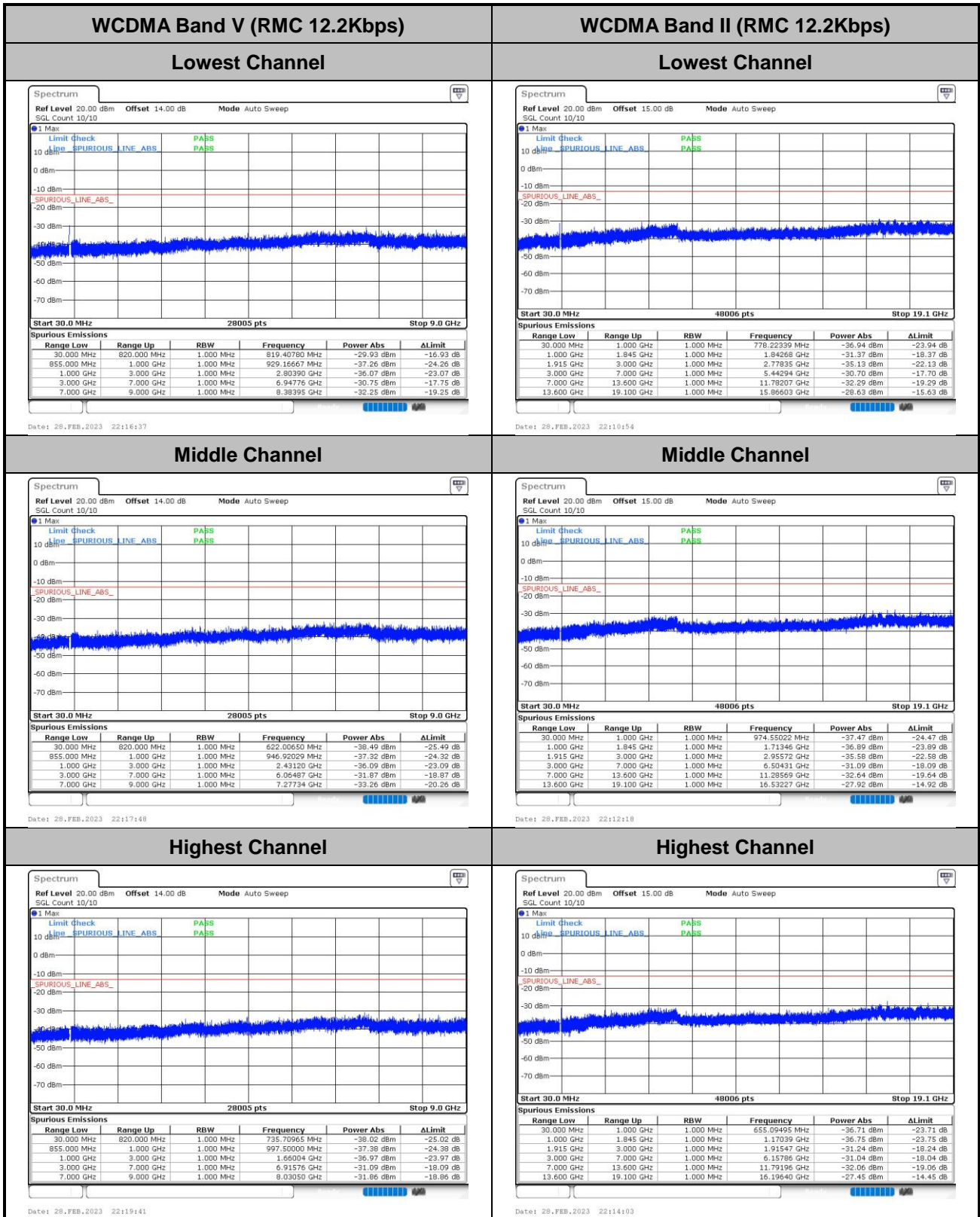
Conducted Band Edge







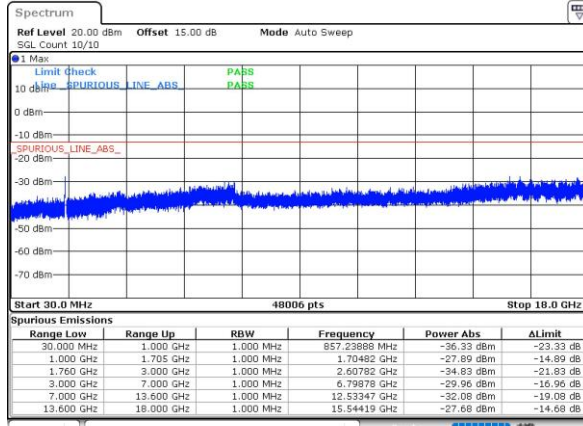
Conducted Spurious Emission





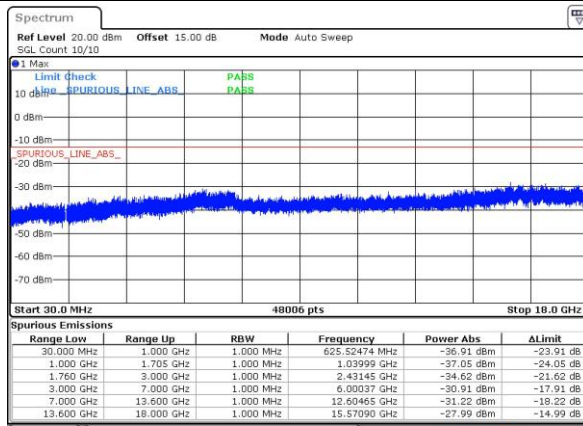
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



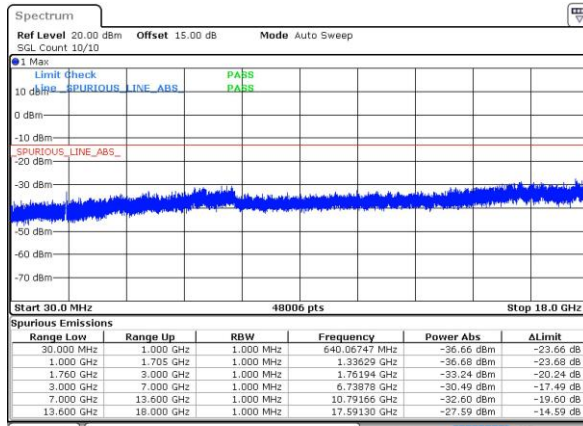
Date: 28.FEB.2023 22:07:19

Middle Channel



Date: 28.FEB.2023 22:05:28

Highest Channel



Date: 28.FEB.2023 22:04:10



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
55	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0011	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0007	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
55	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0000	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0004	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
55	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0008	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.89 V ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.48 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

RSE pre-scanned harmonic for different 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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-64.91	-13	-51.91	-71.88	1.58	10.70	H
	2509.2	-59.61	-13	-46.61	-67.86	2.102	12.50	H
	3345.6	-61.16	-13	-48.16	-70.05	2.856	13.90	H
	1672	-61.10	-13	-48.10	-68.07	1.58	10.70	V
	2509.2	-58.79	-13	-45.79	-67.04	2.10	12.50	V
	3345.6	-60.94	-13	-47.94	-69.83	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-64.88	-13	-51.88	-71.85	1.58	10.70	H
	2509.2	-60.33	-13	-47.33	-68.58	2.102	12.50	H
	3345.6	-61.53	-13	-48.53	-70.42	2.856	13.90	H
	1672	-63.46	-13	-50.46	-70.43	1.58	10.70	V
	2509.2	-59.69	-13	-46.69	-67.94	2.10	12.50	V
	3345.6	-61.35	-13	-48.35	-70.24	2.86	13.90	V

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

GSM1900 (GSM) Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-57.52	-13	-44.52	-69.78	2.64	14.90	H
	5640	-55.58	-13	-42.58	-67.44	2.94	14.80	H
	7520	-52.82	-13	-39.82	-62.59	3.39	13.16	H
	3765	-57.34	-13	-44.34	-69.60	2.64	14.90	V
	5640	-56.31	-13	-43.31	-68.17	2.94	14.80	V
	7520	-52.64	-13	-39.64	-62.41	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-59.06	-13	-46.06	-71.32	2.64	14.90	H
	5640	-56.99	-13	-43.99	-68.85	2.94	14.80	H
	7515	-53.55	-13	-40.55	-63.32	3.39	13.16	H
	3760	-57.73	-13	-44.73	-69.99	2.64	14.90	V
	5640	-56.13	-13	-43.13	-67.99	2.94	14.80	V
	7515	-52.95	-13	-39.95	-62.72	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-64.79	-13	-51.79	-71.76	1.58	10.70	H
	2509.2	-60.18	-13	-47.18	-68.43	2.102	12.50	H
	3345.6	-61.06	-13	-48.06	-69.95	2.856	13.90	H
	1672	-63.93	-13	-50.93	-70.90	1.58	10.70	V
	2509.2	-59.76	-13	-46.76	-68.01	2.10	12.50	V
	3345.6	-61.03	-13	-48.03	-69.92	2.86	13.90	V

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

WCDMA Band II(RMC 12.2Kbps) Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-57.67	-13	-44.67	-69.93	2.64	14.90	H
	5640	-54.43	-13	-41.43	-66.29	2.94	14.80	H
	7520	-52.54	-13	-39.54	-62.31	3.39	13.16	H
	3765	-57.35	-13	-44.35	-69.61	2.64	14.90	V
	5640	-56.21	-13	-43.21	-68.07	2.94	14.80	V
	7520	-52.89	-13	-39.89	-62.66	3.39	13.16	V

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

WCDMA Band IV(RMC 12.2Kbps) Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-57.78	-13	-44.78	-68.52	2.604	13.34	H
	5197.8	-54.69	-13	-41.69	-65.20	3.011	13.52	H
	6930.4	-54.54	-13	-41.54	-64.74	3.271	13.47	H
	3465.2	-57.96	-13	-44.96	-68.70	2.604	13.34	V
	5197.8	-54.84	-13	-41.84	-65.35	3.011	13.52	V
	6930	-54.55	-13	-41.55	-64.75	3.271	13.47	V

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