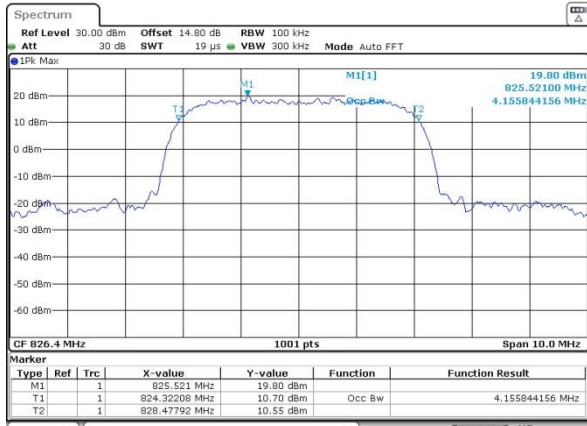




WCDMA Band V (RMC 12.2Kbps)

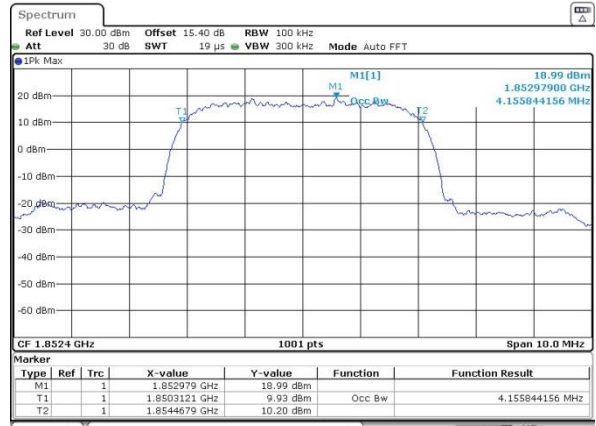
Lowest Channel



Date: 29.MAY.2020 03:24:35

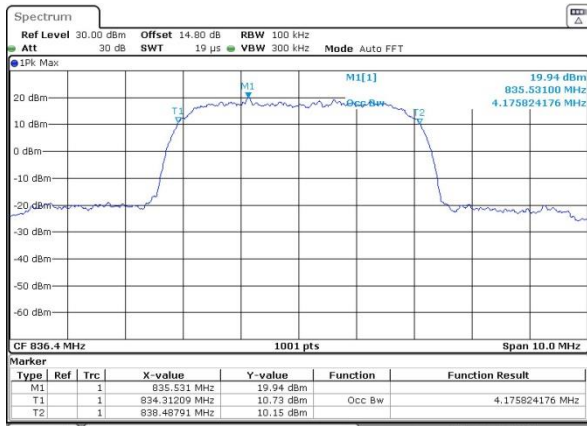
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



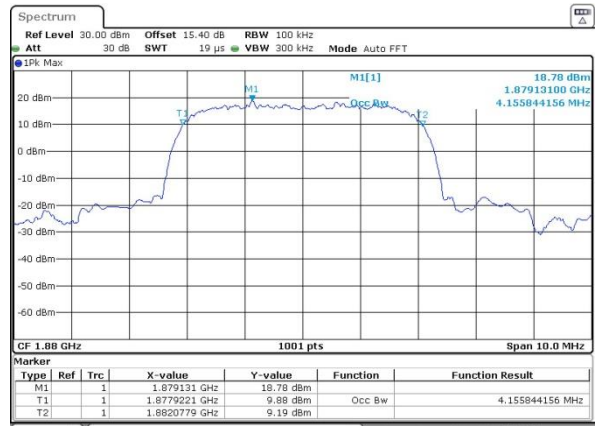
Date: 29.MAY.2020 03:38:18

Middle Channel



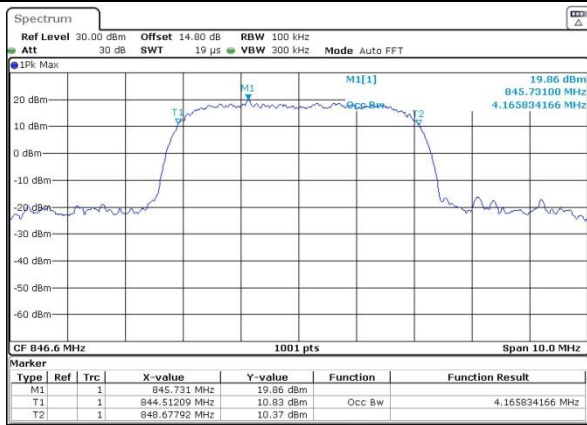
Date: 29.MAY.2020 03:25:00

Middle Channel



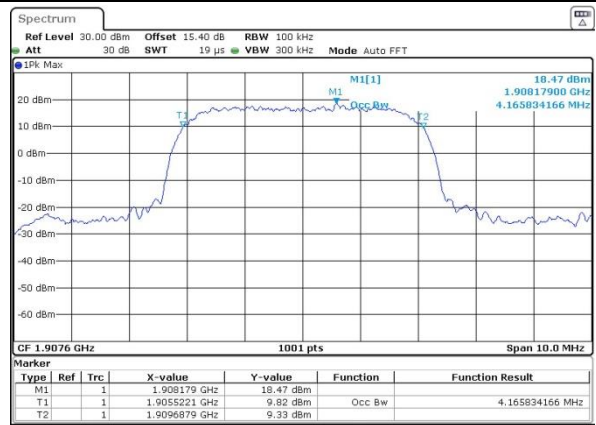
Date: 29.MAY.2020 03:38:35

Highest Channel



Date: 29.MAY.2020 03:25:43

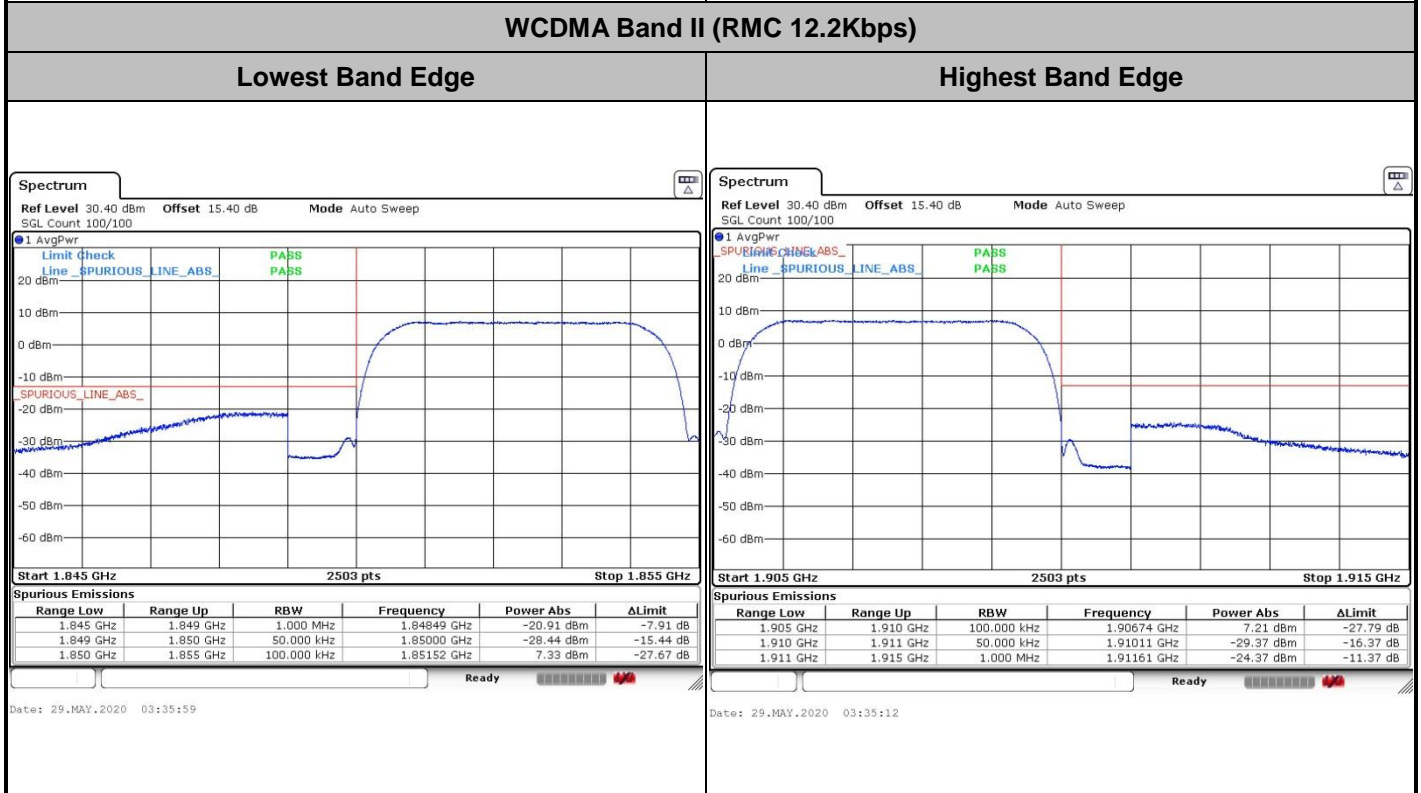
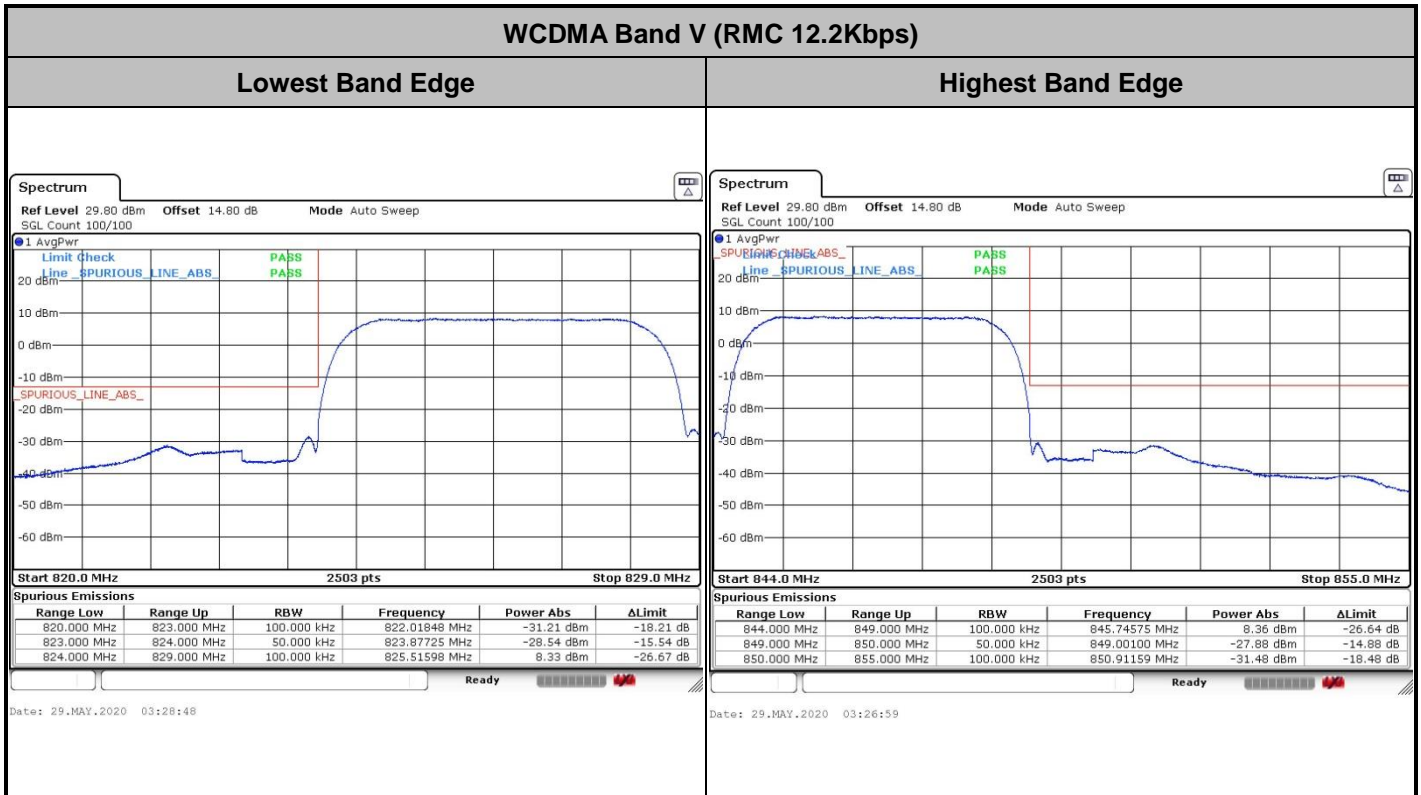
Highest Channel



Date: 29.MAY.2020 03:38:52

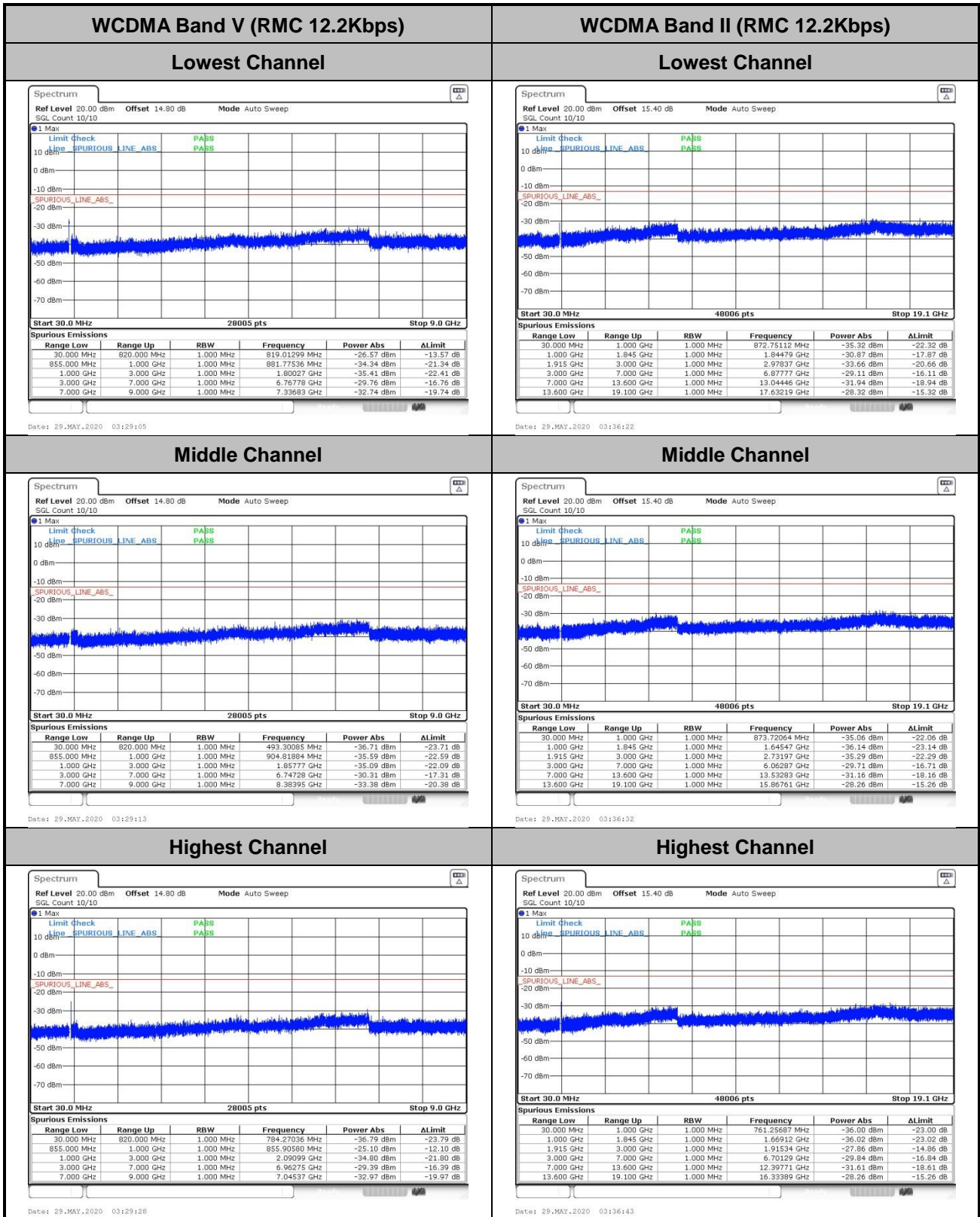


Conducted Band Edge





Conducted Spurious Emission





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	0.0088	PASS
40	Normal Voltage	0.0254	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0275	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0236	
20	Battery End Point	0.0263	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0122	
30	Normal Voltage	0.0117	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0174	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0096	
20	Battery End Point	0.00325	

Note:

1. Normal Voltage = 3.85V ; Battery End Point (BEP) =3.45V ; Maximum Voltage =4.35V
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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-54.29	-13	-41.29	-61.26	1.58	10.70	H
	2510	-52.54	-13	-39.54	-60.79	2.102	12.50	H
	3348	-55.88	-13	-42.88	-64.77	2.856	13.90	H
	4182	-58.23	-13	-45.23	-66.69	2.689	13.30	H
	5016	-52.94	-13	-39.94	-60.70	3.093	13.00	H
	1672	-55.84	-13	-42.84	-62.81	1.58	10.70	V
	2510	-51.07	-13	-38.07	-59.32	2.10	12.50	V
	3348	-61.17	-13	-48.17	-70.06	2.86	13.90	V
	4182	-58.89	-13	-45.89	-67.35	2.69	13.30	V
5016	-53.88	-13	-40.88	-61.64	3.09	13.00	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-59.86	-13	-46.86	-66.83	1.58	10.70	H
	2510	-59.17	-13	-46.17	-67.42	2.102	12.50	H
	3348	-62.39	-13	-49.39	-71.28	2.856	13.90	H
	1672	-60.05	-13	-47.05	-67.02	1.58	10.70	V
	2510	-54.07	-13	-41.07	-62.32	2.10	12.50	V
	3348	-62.41	-13	-49.41	-71.30	2.86	13.90	V

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

GSM1900 (GSM)								
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	-60.77	-13	-47.77	-67.74	1.58	10.70	H
	2510	-64.34	-13	-51.34	-72.59	2.102	12.50	H
	3348	-62.59	-13	-49.59	-71.48	2.856	13.90	H
	1672	-61.22	-13	-48.22	-68.19	1.58	10.70	V
	2510	-57.99	-13	-44.99	-66.24	2.10	12.50	V
	3348	-62.38	-13	-49.38	-71.27	2.86	13.90	V

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



GSM1900 (EDGE 1 Tx slots)								
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	3759	-57.41	-13	-44.41	-69.67	2.64	14.90	H
	5640	-53.21	-13	-40.21	-65.07	2.94	14.80	H
	7524	-48.04	-13	-35.04	-57.81	3.39	13.16	H
	3759	-57.41	-13	-44.41	-69.67	2.64	14.90	V
	5640	-53.54	-13	-40.54	-65.40	2.94	14.80	V
	7524	-47.79	-13	-34.79	-57.56	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)								
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	3759	-57.43	-13	-44.43	-69.69	2.64	14.90	H
	5640	-53.63	-13	-40.63	-65.49	2.94	14.80	H
	7524	-48.09	-13	-35.09	-57.86	3.39	13.16	H
	3759	-57.17	-13	-44.17	-69.43	2.64	14.90	V
	5640	-53.43	-13	-40.43	-65.29	2.94	14.80	V
	7524	-48.02	-13	-35.02	-57.79	3.39	13.16	V

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

WCDMA Band II(RMC 12.2Kbps)								
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	3759	-55.05	-13	-42.05	-67.31	2.64	14.90	H
	5640	-52.74	-13	-39.74	-64.60	2.94	14.80	H
	7524	-48.34	-13	-35.34	-58.11	3.39	13.16	H
	3759	-55.85	-13	-42.85	-68.11	2.64	14.90	V
	5640	-53.34	-13	-40.34	-65.20	2.94	14.80	V
	7524	-48.33	-13	-35.33	-58.10	3.39	13.16	V

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