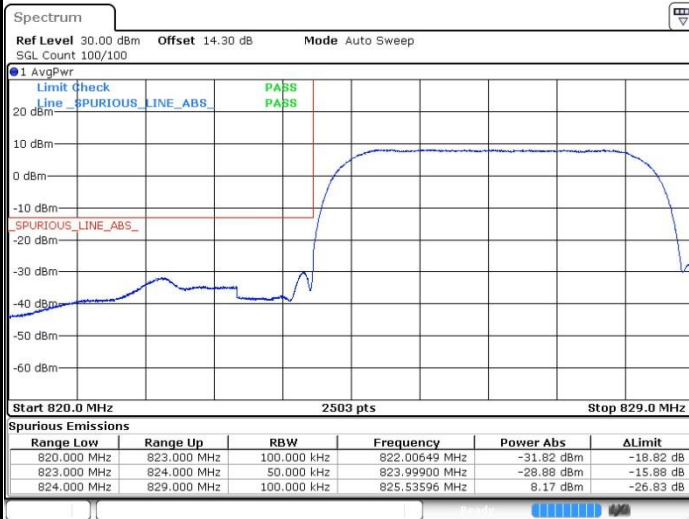




WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

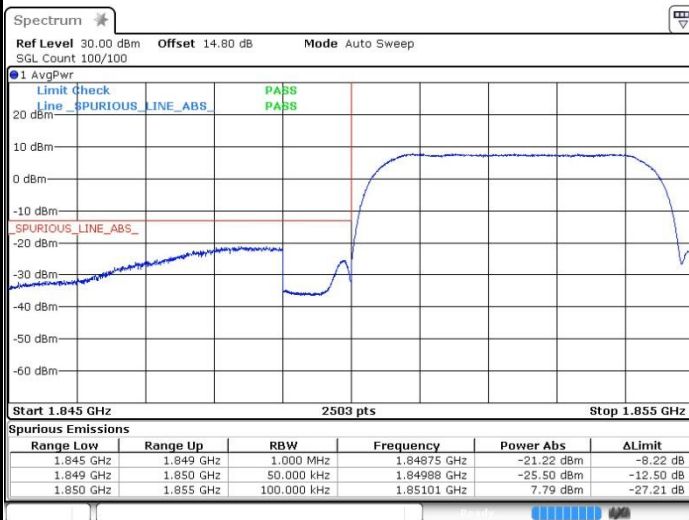


Highest Band Edge

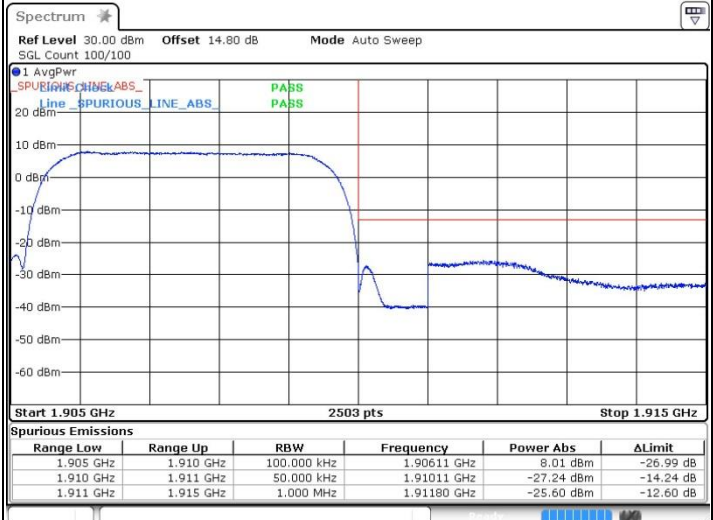


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

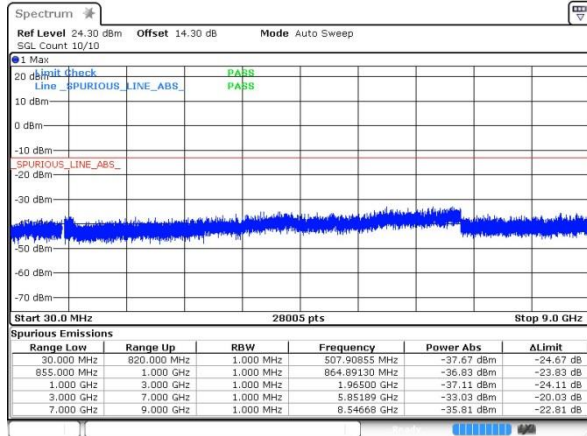




Conducted Spurious Emission

GSM850 (GSM)

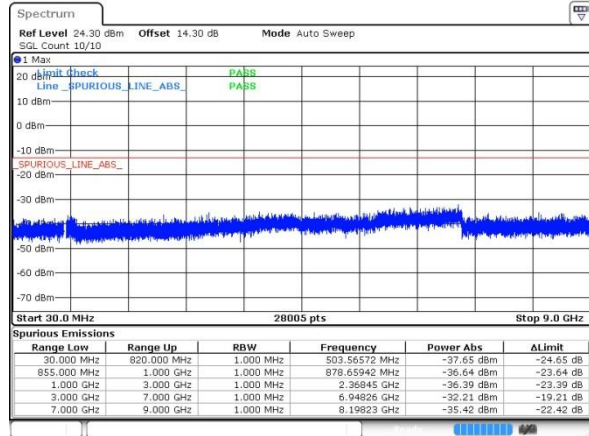
Lowest Channel



Date: 28 APR 2018 09:17:25

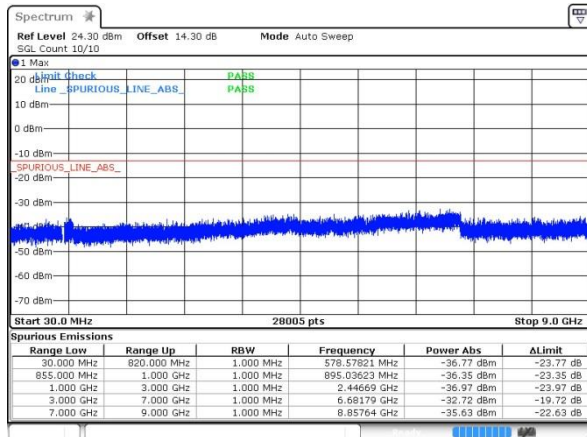
GSM850 (EDGE class 8)

Lowest Channel



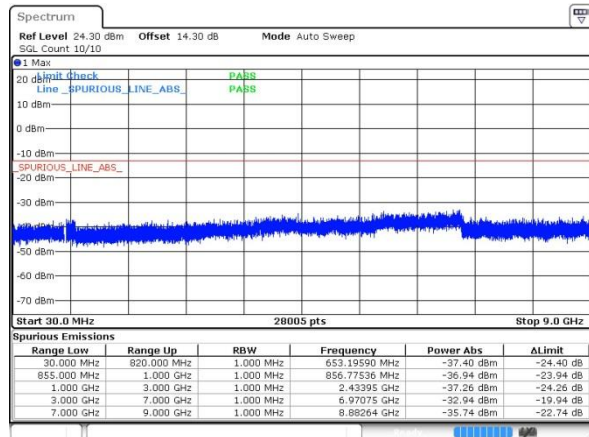
Date: 28 APR 2018 09:42:14

Middle Channel



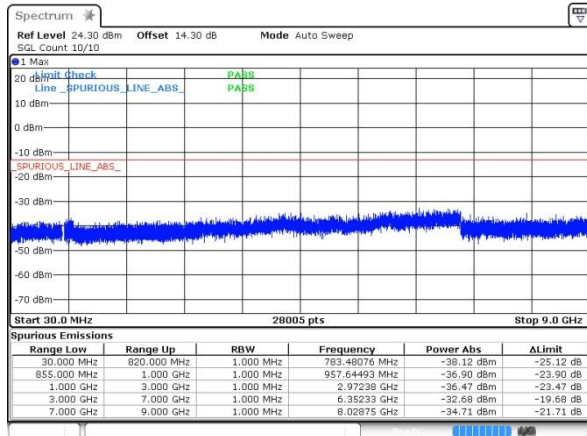
Date: 28 APR 2018 09:18:50

Middle Channel



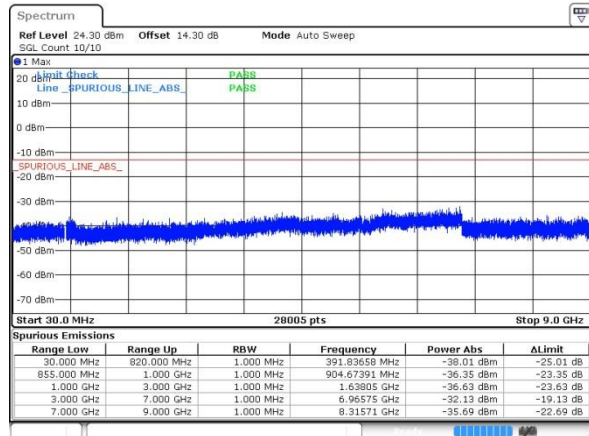
Date: 28 APR 2018 09:43:37

Highest Channel



Date: 28 APR 2018 09:20:17

Highest Channel

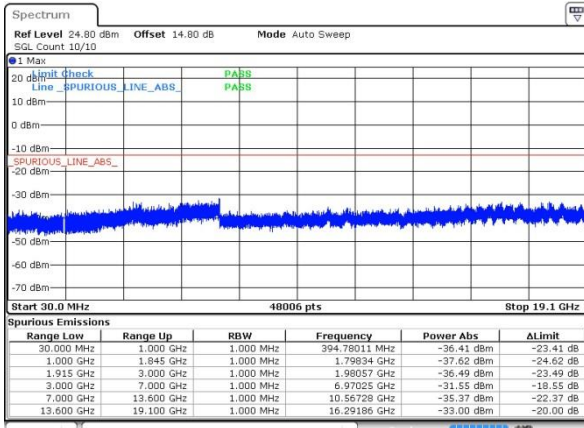


Date: 28 APR 2018 09:44:58



GSM1900 (GSM)

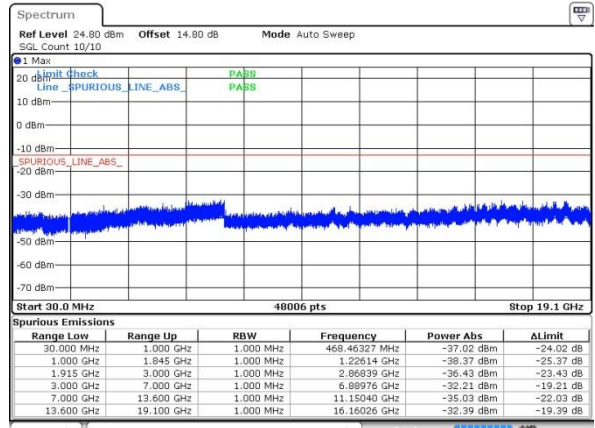
Lowest Channel



Date: 28 APR 2018 10:09:20

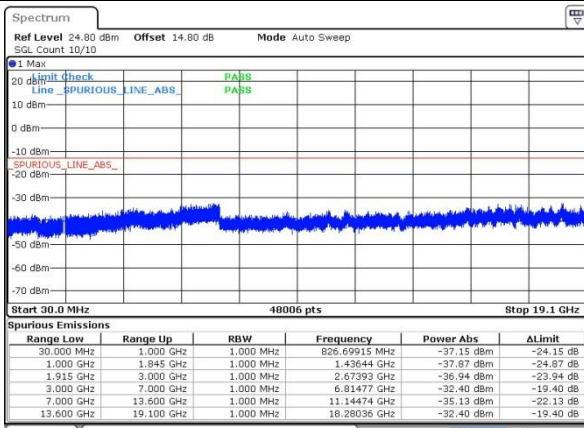
GSM1900 (EDGE class 8)

Lowest Channel

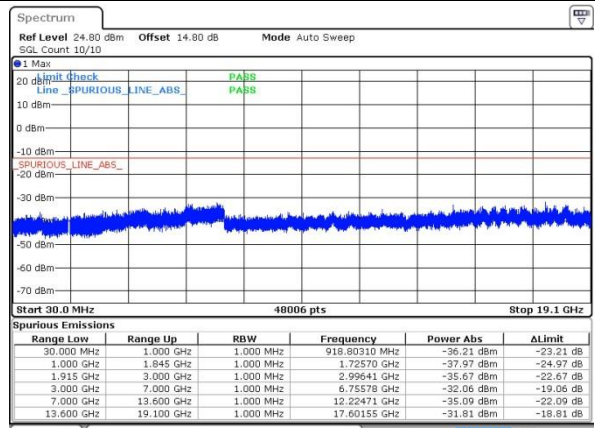


Date: 28 APR 2018 10:35:00

Middle Channel

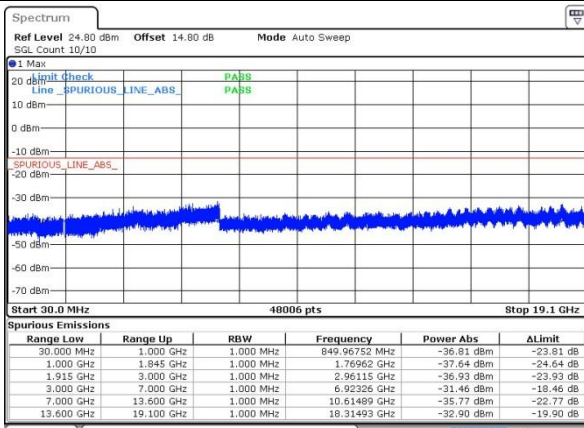


Date: 28 APR 2018 10:10:40

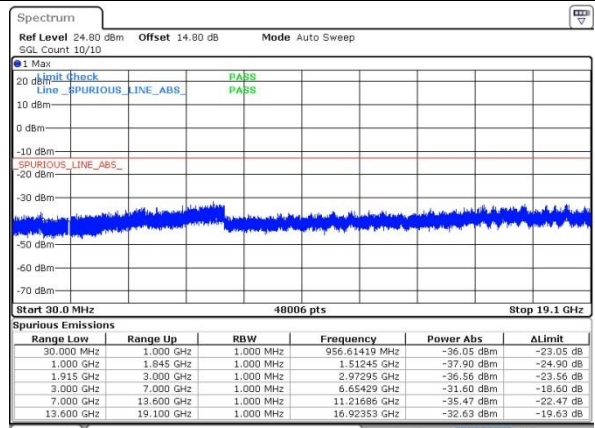


Date: 28 APR 2018 10:36:24

Highest Channel



Date: 28 APR 2018 10:12:06

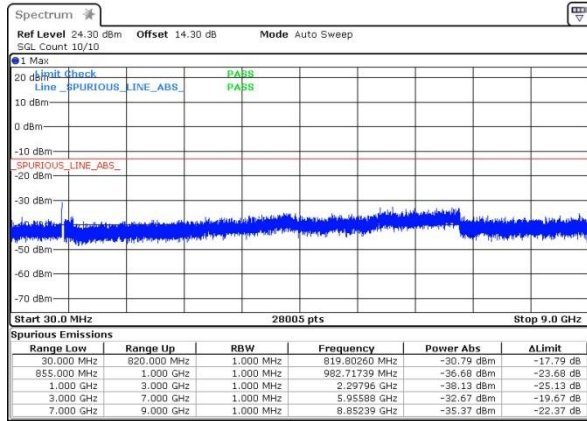


Date: 28 APR 2018 10:38:00



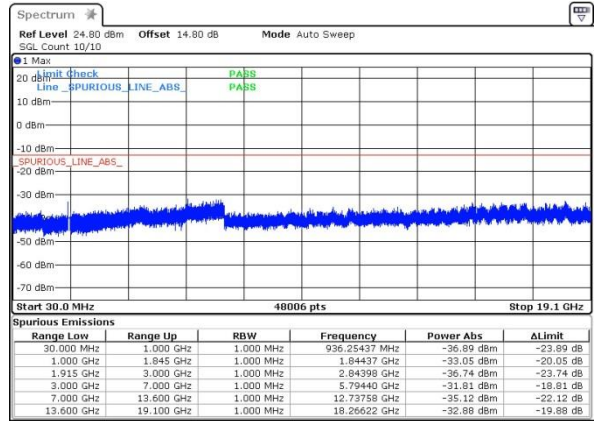
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

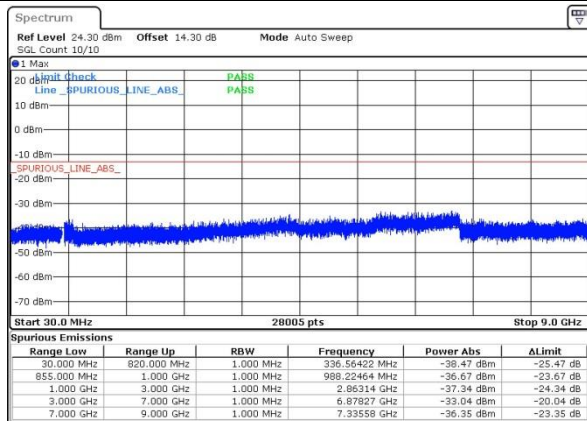


WCDMA Band II (RMC 12.2Kbps)

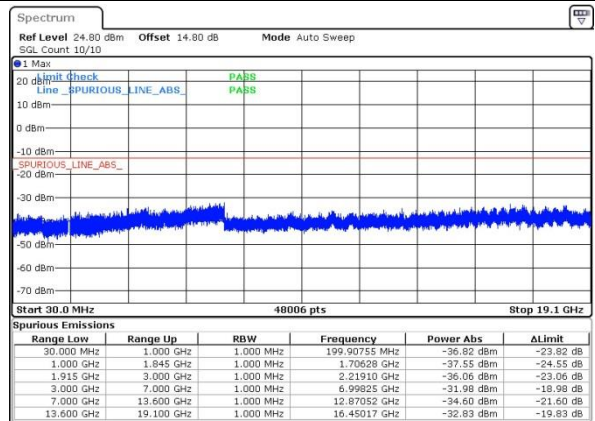
Lowest Channel



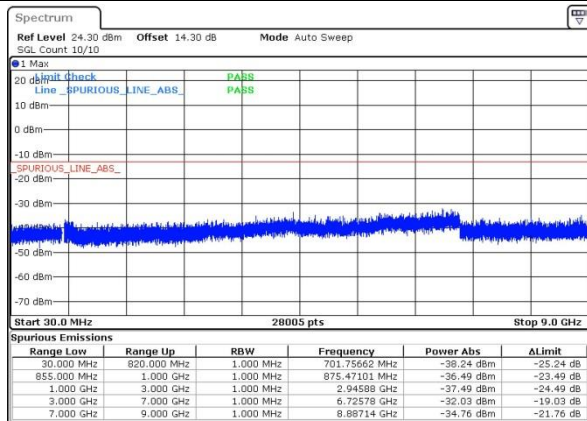
Middle Channel



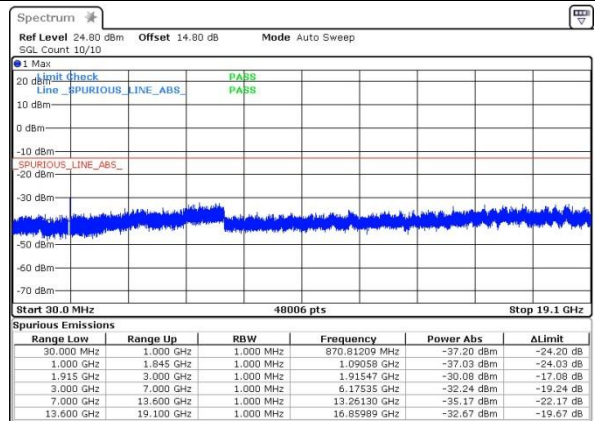
Middle Channel



Highest Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0167	0.0012	PASS
40	Normal Voltage	0.0096	0.0060	
30	Normal Voltage	0.0179	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0598	0.0072	
0	Normal Voltage	0.0108	0.0598	
-10	Normal Voltage	0.0526	0.0658	
-20	Normal Voltage	0.0263	0.0072	
-30	Normal Voltage	0.0191	0.0048	
20	Maximum Voltage	0.0550	0.0681	
20	Normal Voltage	0.0634	0.0012	
20	Battery End Point	0.0024	0.0060	

Note: Normal Voltage =3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0005	0.0622	PASS
40	Normal Voltage	0.0011	0.0670	
30	Normal Voltage	0.0043	0.0644	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0064	0.0628	
0	Normal Voltage	0.0005	0.0638	
-10	Normal Voltage	0.0096	0.0590	
-20	Normal Voltage	0.0122	0.0676	
-30	Normal Voltage	0.0739	0.0005	
20	Maximum Voltage	0.0702	0.0580	
20	Normal Voltage	0.0101	0.0564	
20	Battery End Point	0.0112	0.0005	

Note:

1. Normal Voltage =3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0155	PASS
40	Normal Voltage	0.0418	
30	Normal Voltage	0.0395	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0179	
0	Normal Voltage	0.0359	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0203	
-30	Normal Voltage	0.0311	
20	Maximum Voltage	0.0514	
20	Normal Voltage	0.0191	
20	Battery End Point	0.0048	

Note: Normal Voltage =3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0112	PASS
40	Normal Voltage	0.0101	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0080	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0080	
20	Battery End Point	0.0096	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Conducted 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	-69.01	-13	-56.01	-74.57	-73.42	2.84	9.40	H
	2509.2	-54.49	-13	-41.49	-64.91	-59.24	3.70	10.60	H
	3345.6	-66.90	-13	-53.90	-81.66	-72.98	4.37	12.60	H
	1672.8	-70.63	-13	-57.63	-75.34	-75.04	2.84	9.40	V
	2509.2	-56.65	-13	-43.65	-66.48	-61.40	3.70	10.60	V
	3345.6	-68.28	-13	-55.28	-81.85	-74.36	4.37	12.60	V

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

GSM850 (EDGE class 8)									
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	-65.35	-13	-52.35	-70.91	-69.76	2.84	9.40	H
	2509.2	-54.56	-13	-41.56	-64.98	-59.31	3.7	10.60	H
	3345.6	-67.00	-13	-54.00	-81.76	-73.08	4.37	12.60	H
	1672.8	-69.45	-13	-56.45	-74.16	-73.86	2.84	9.40	V
	2509.2	-55.93	-13	-42.93	-65.76	-60.68	3.70	10.60	V
	4182	-68.26	-13	-55.26	-81.83	-73.88	4.85	12.62	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	-54.29	-13	-41.29	-79.93	-62.04	4.85	12.60	H
	5640	-57.38	-13	-44.38	-80.83	-64.90	5.58	13.10	H
	7520	-58.48	-13	-45.48	-82.00	-63.22	6.56	11.30	H
	3760	-59.47	-13	-46.47	-79.86	-67.22	4.85	12.60	V
	5640	-56.06	-13	-43.06	-80.11	-63.58	5.58	13.10	V
	7520	-58.92	-13	-45.92	-82.46	-63.66	6.56	11.30	V

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

GSM1900 (EDGE class 8)									
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	-60.68	-13	-47.68	-80.29	-68.43	4.85	12.60	H
	5640	-58.18	-13	-45.18	-81.63	-65.70	5.58	13.10	H
	7520	-58.87	-13	-45.87	-82.39	-63.61	6.56	11.30	H
	3760	-59.81	-13	-46.81	-80.2	-67.56	4.85	12.60	V
	5640	-57.42	-13	-44.42	-81.47	-64.94	5.58	13.10	V
	7520	-58.83	-13	-45.83	-82.37	-63.57	6.56	11.30	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	-67.61	-13	-54.61	-73.17	-72.02	2.84	9.40	H
	2509.2	-63.59	-13	-50.59	-74.01	-68.34	3.7	10.60	H
	3345.6	-66.74	-13	-53.74	-81.50	-72.82	4.37	12.60	H
	1672.8	-72.17	-13	-59.17	-76.88	-76.58	2.84	9.40	V
	2509.2	-67.08	-13	-54.08	-76.91	-71.83	3.70	10.60	V
	3345.6	-67.95	-13	-54.95	-81.52	-74.03	4.37	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	-60.34	-13	-47.34	-79.95	-68.09	4.85	12.60	H
	5640	-57.24	-13	-44.24	-80.69	-64.76	5.58	13.10	H
	7520	-58.73	-13	-45.73	-82.25	-63.47	6.56	11.30	H
	3760	-59.10	-13	-46.10	-79.49	-66.85	4.85	12.60	V
	5640	-57.09	-13	-44.09	-81.14	-64.61	5.58	13.10	V
	7520	-58.40	-13	-45.40	-81.94	-63.14	6.56	11.30	V

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