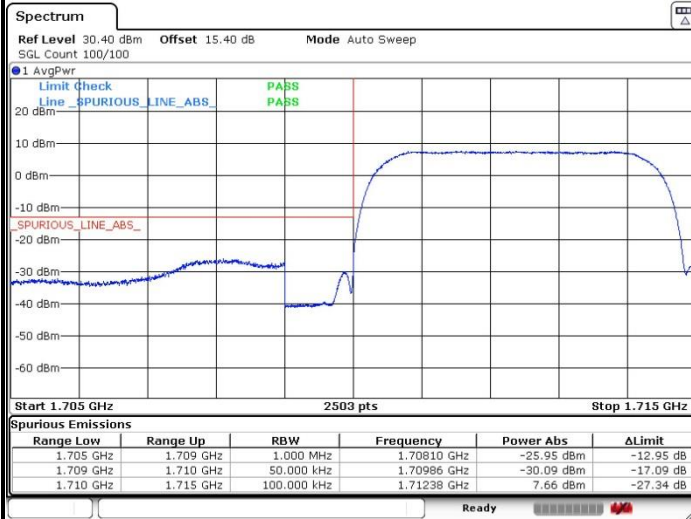




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

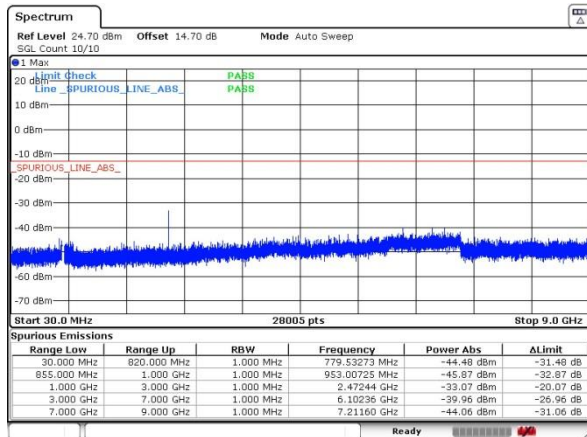




Conducted Spurious Emission

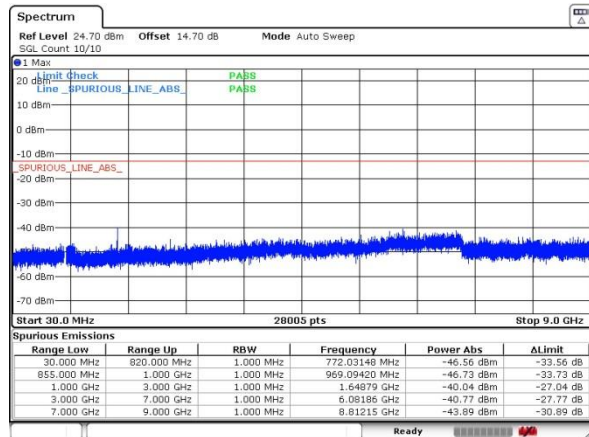
GSM850 (GSM)

Lowest Channel

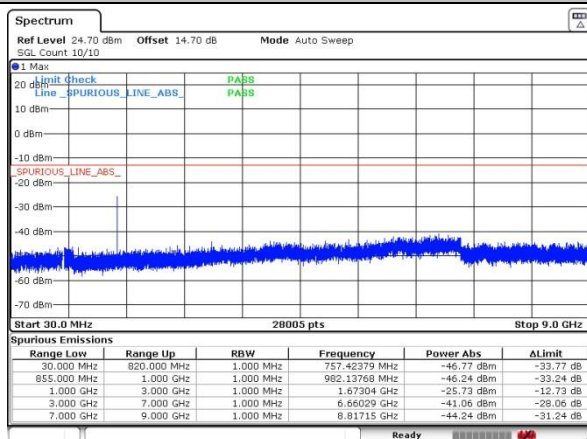


GSM850 (EDGE class 8)

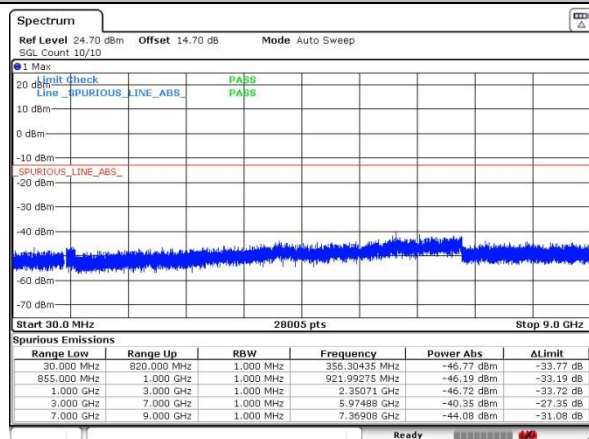
Lowest Channel



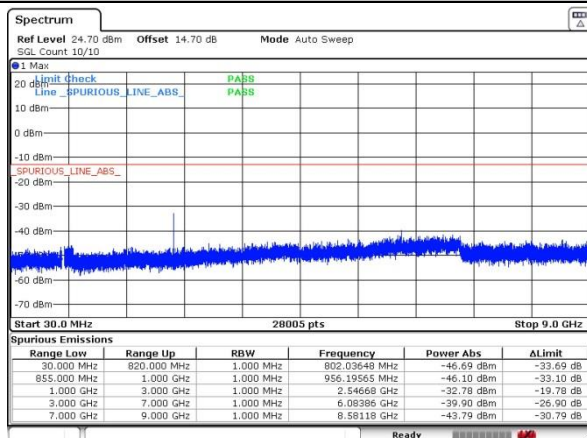
Middle Channel



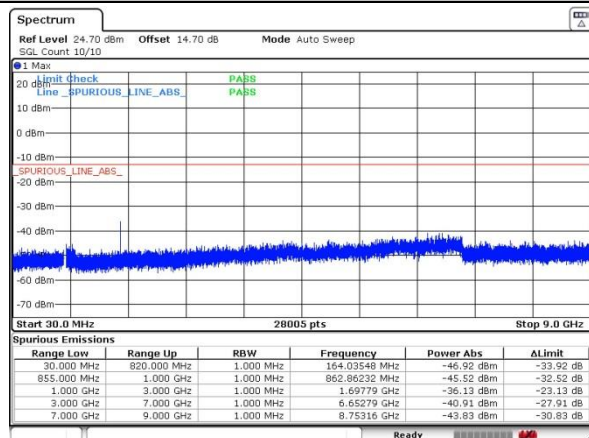
Middle Channel



Highest Channel



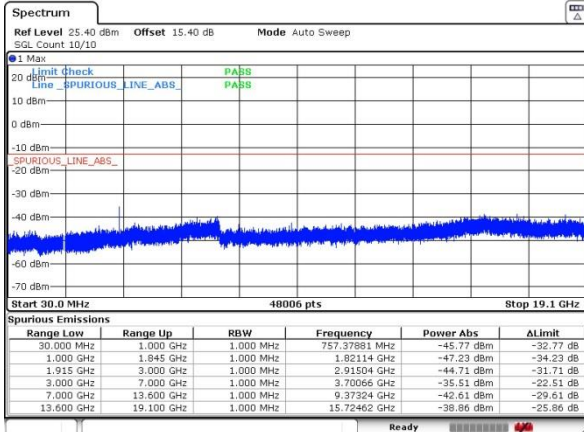
Highest Channel





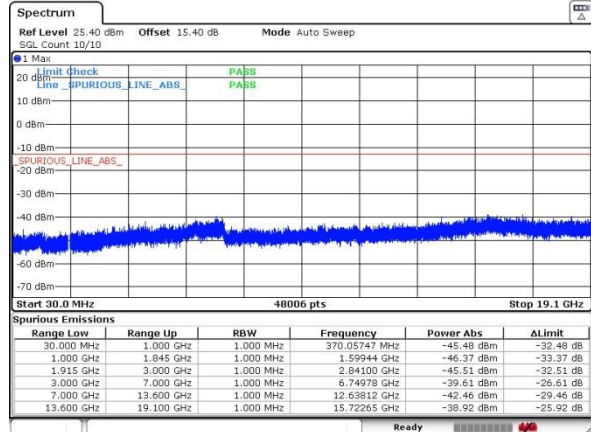
GSM1900 (GSM)

Lowest Channel

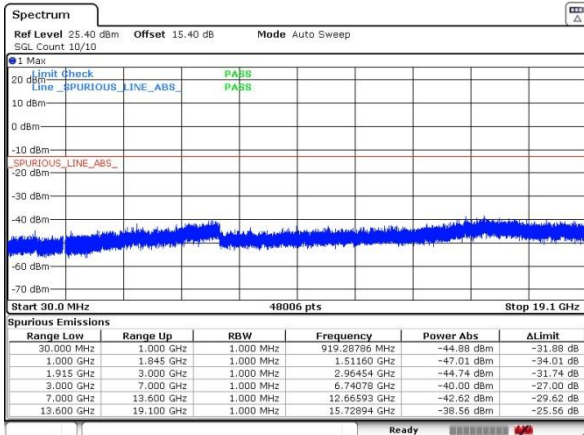


GSM1900 (EDGE class 8)

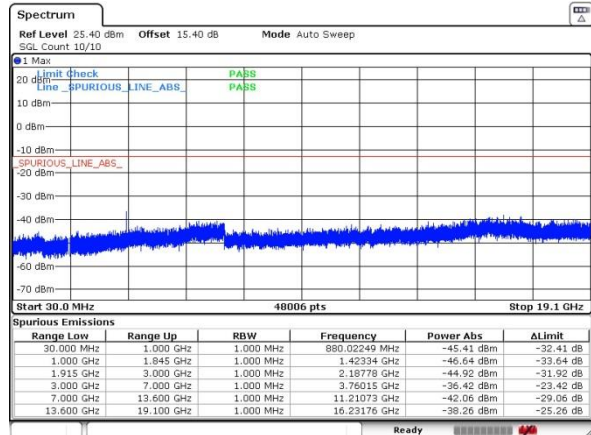
Lowest Channel



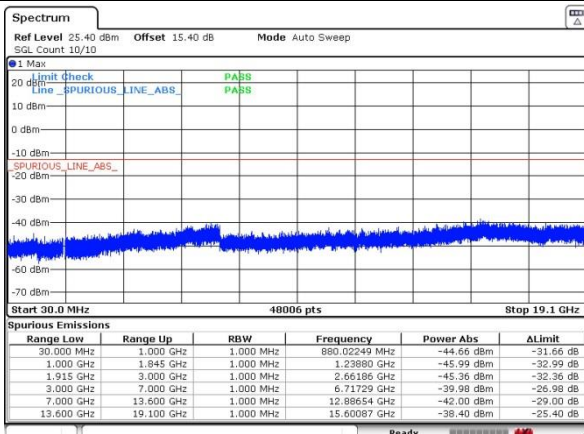
Middle Channel



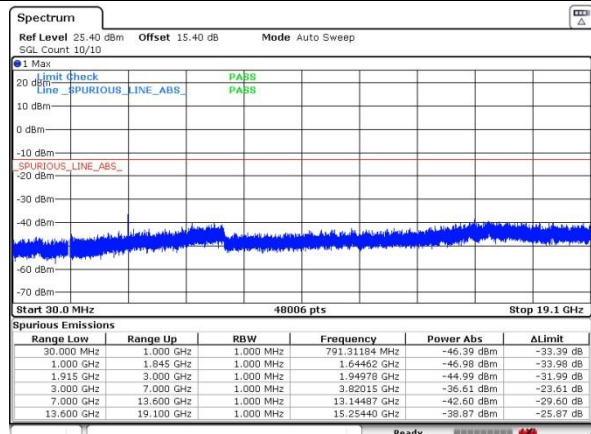
Middle Channel



Highest Channel



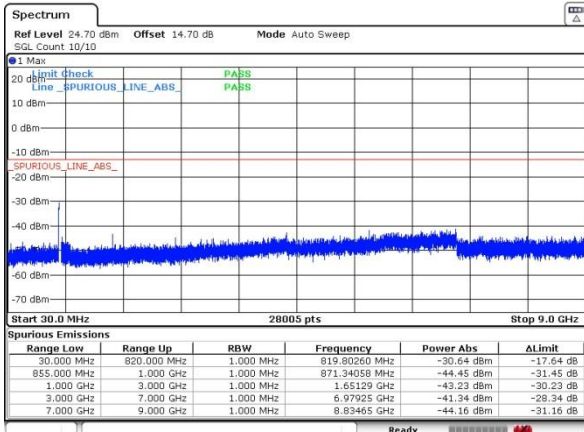
Highest Channel





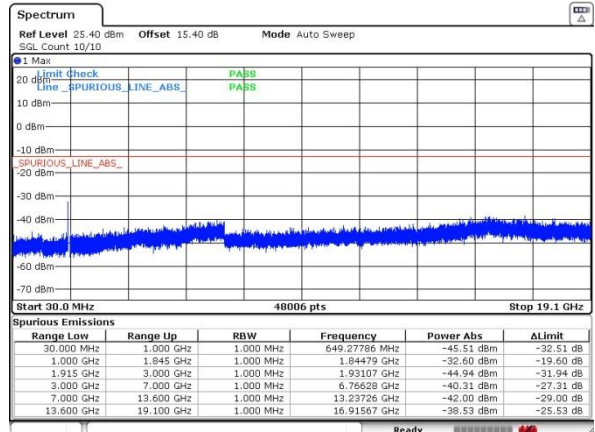
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

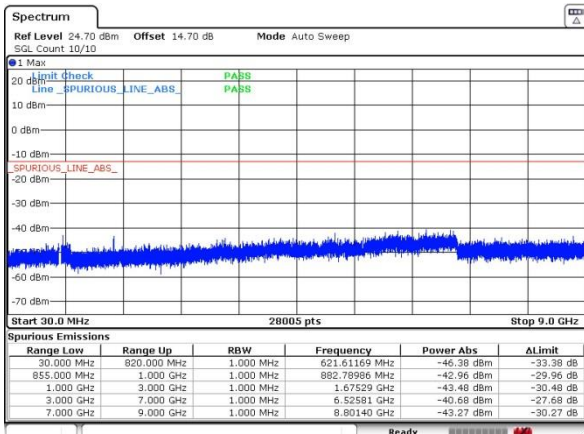


WCDMA Band II (RMC 12.2Kbps)

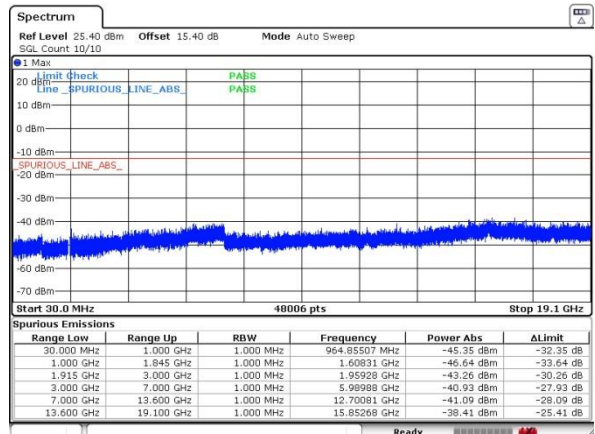
Lowest Channel



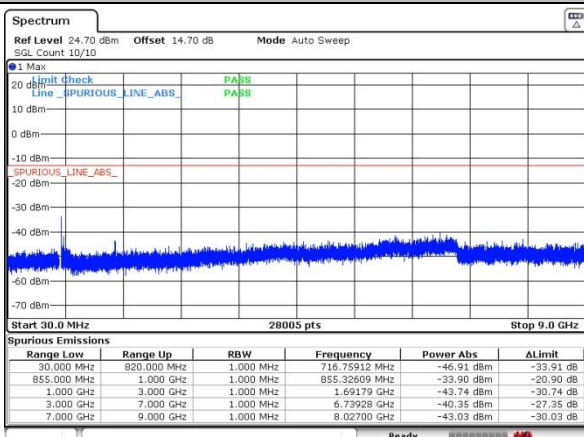
Middle Channel



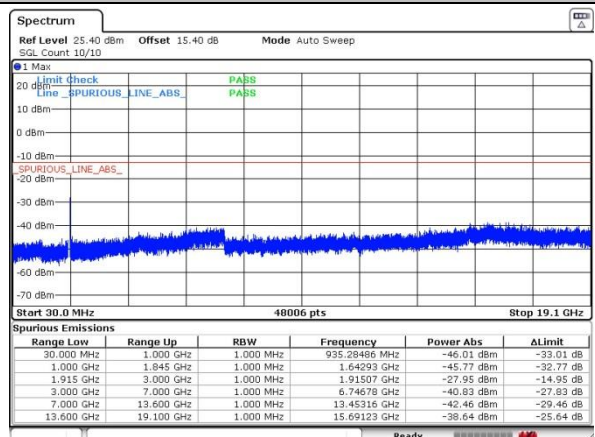
Middle Channel



Highest Channel



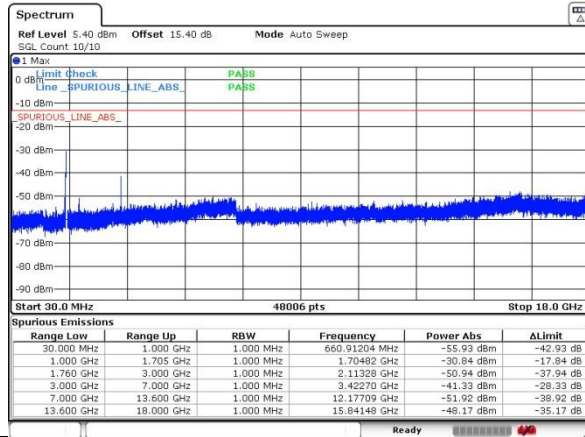
Highest Channel



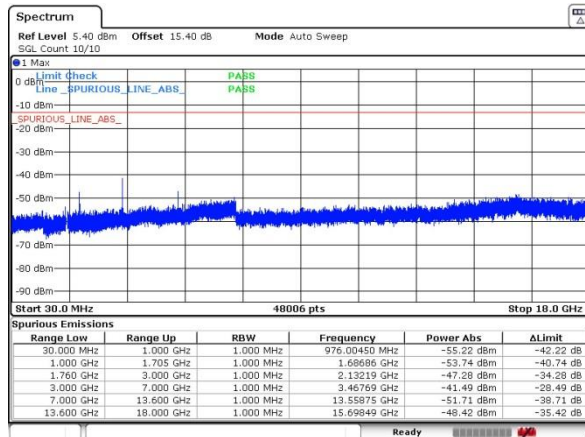


WCDMA Band IV (RMC 12.2Kbps)

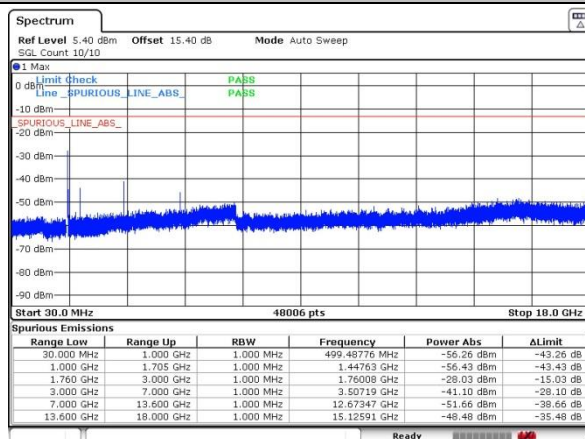
Lowest Channel



Middle 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	0.0108	0.0224	PASS
40	Normal Voltage	0.0033	0.0178	
30	Normal Voltage	0.0130	0.0097	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0145	0.0155	
0	Normal Voltage	0.0078	0.0167	
-10	Normal Voltage	0.0175	0.0234	
-20	Normal Voltage	0.0169	0.0065	
-30	Normal Voltage	0.0143	0.0109	
20	Maximum Voltage	0.0096	0.0132	
20	Normal Voltage	0.0121	0.0204	
20	Battery End Point	0.0191	0.0036	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0056	0.0171	PASS
40	Normal Voltage	0.0025	0.0131	
30	Normal Voltage	0.0112	0.0023	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0135	0.0142	
0	Normal Voltage	0.0136	0.0135	
-10	Normal Voltage	0.0089	0.0174	
-20	Normal Voltage	0.0021	0.0137	
-30	Normal Voltage	0.0118	0.0119	
20	Maximum Voltage	0.0052	0.0018	
20	Normal Voltage	0.0011	0.0134	
20	Battery End Point	0.0124	0.0027	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
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 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0082	PASS
40	Normal Voltage	0.0253	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0253	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0234	
20	Battery End Point	0.0263	

Note: Normal Voltage = 3.85V. : Battery End Point (BEP) =3.6V. : Maximum Voltage =4.45V

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	0.0172	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0114	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0066	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage = 3.85V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.45V
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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0151	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V
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	-46.67	-13	-33.67	-53.64	1.58	10.70	H
	2510	-31.40	-13	-18.40	-39.65	2.102	12.50	H
	3348	-52.66	-13	-39.66	-61.55	2.856	13.90	H
	1672	-52.72	-13	-39.72	-59.69	1.58	10.70	V
	2510	-28.80	-13	-15.80	-37.05	2.10	12.50	V
	3348	-53.41	-13	-40.41	-62.30	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-58.00	-13	-45.00	-64.97	1.58	10.70	H
	2508	-57.32	-13	-44.32	-65.57	2.102	12.50	H
	3348	-64.25	-13	-51.25	-73.14	2.856	13.90	H
	1672	-64.41	-13	-51.41	-71.38	1.58	10.70	V
	2509.2	-63.15	-13	-50.15	-71.40	2.10	12.50	V
	3348	-63.87	-13	-50.87	-72.76	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-45.73	-13	-32.73	-57.99	2.64	14.90	H
	5640	-51.94	-13	-38.94	-63.80	2.94	14.80	H
	7524	-49.43	-13	-36.43	-59.20	3.39	13.16	H
	3759	-42.30	-13	-29.30	-54.56	2.64	14.90	V
	5640	-50.25	-13	-37.25	-62.11	2.94	14.80	V
	7524	-49.87	-13	-36.87	-59.64	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-48.93	-13	-35.93	-61.19	2.64	14.90	H
	5640	-54.75	-13	-41.75	-66.61	2.94	14.80	H
	7524	-50.48	-13	-37.48	-60.25	3.39	13.16	H
	3759	-49.06	-13	-36.06	-61.32	2.64	14.90	V
	5640	-54.43	-13	-41.43	-66.29	2.94	14.80	V
	7524	-49.53	-13	-36.53	-59.30	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	1672	-67.43	-13	-54.43	-74.40	1.58	10.70	H
	2510	-63.10	-13	-50.10	-71.35	2.102	12.50	H
	3348	-64.14	-13	-51.14	-73.03	2.856	13.90	H
	1672	-68.12	-13	-55.12	-75.09	1.58	10.70	V
	2510	-63.38	-13	-50.38	-71.63	2.10	12.50	V
	3348	-63.63	-13	-50.63	-72.52	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)								
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	3759	-51.89	-13	-38.89	-64.15	2.64	14.90	H
	5640	-54.59	-13	-41.59	-66.45	2.94	14.80	H
	7524	-50.31	-13	-37.31	-60.08	3.39	13.16	H
	3760	-51.58	-13	-38.58	-63.84	2.64	14.90	V
	5640	-54.46	-13	-41.46	-66.32	2.94	14.80	V
	7524	-49.91	-13	-36.91	-59.68	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)								
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	-60.07	-13	-47.07	-70.81	2.604	13.34	H
	5197.8	-56.40	-13	-43.40	-66.91	3.011	13.52	H
	6936	-52.86	-13	-39.86	-63.06	3.271	13.47	H
	3465	-60.81	-13	-47.81	-71.55	2.604	13.34	V
	5197.8	-56.40	-13	-43.40	-66.91	3.011	13.52	V
	6936	-53.69	-13	-40.69	-63.89	3.271	13.47	V

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