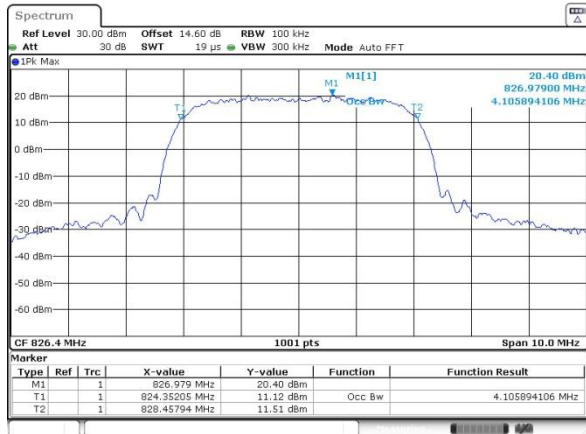




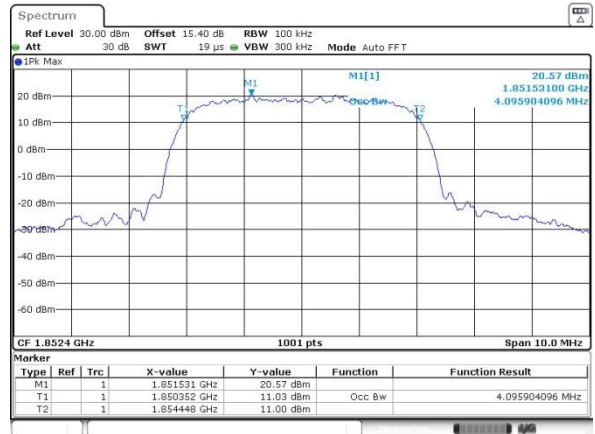
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

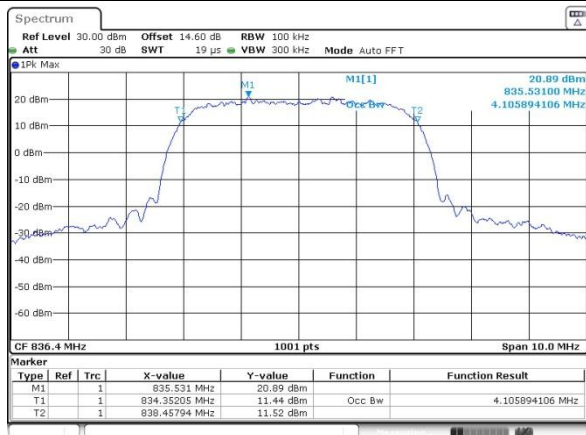


WCDMA Band II (RMC 12.2Kbps)

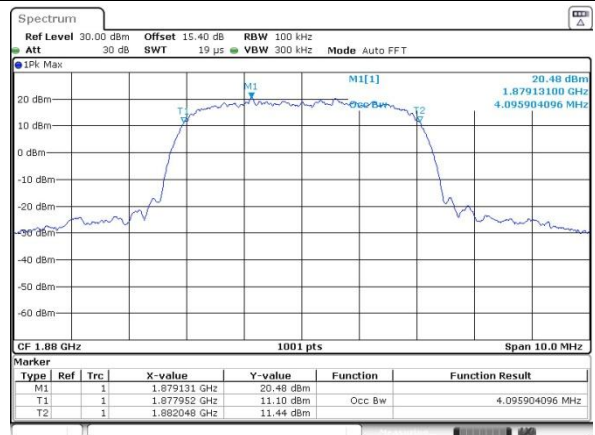
Lowest Channel



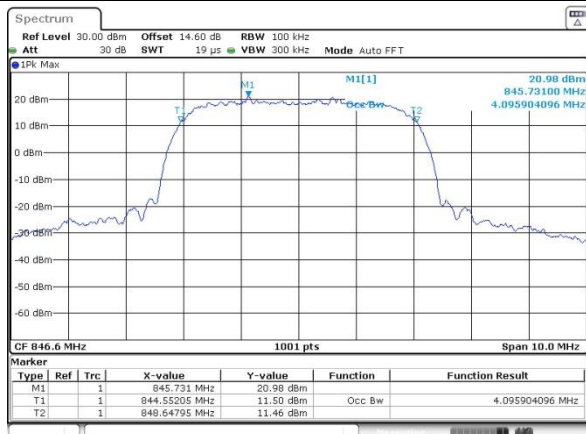
Middle Channel



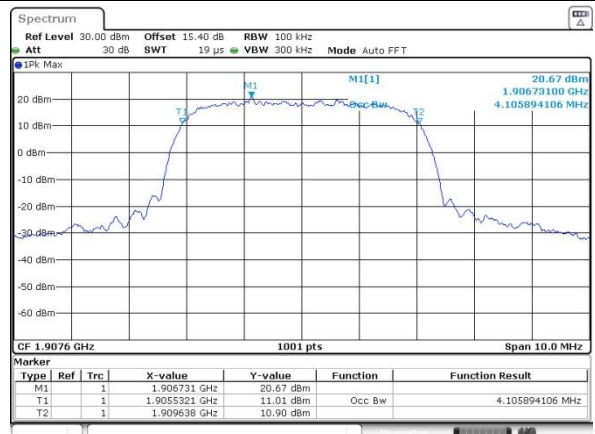
Middle Channel



Highest Channel



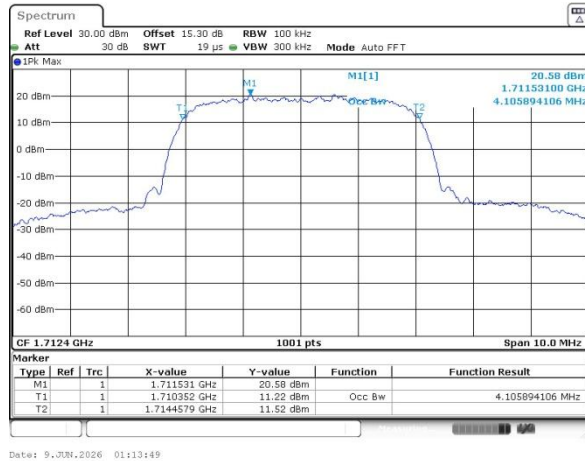
Highest Channel



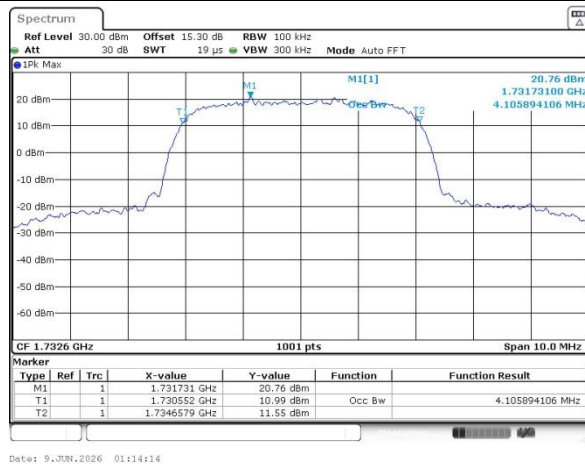


WCDMA Band IV (RMC 12.2Kbps)

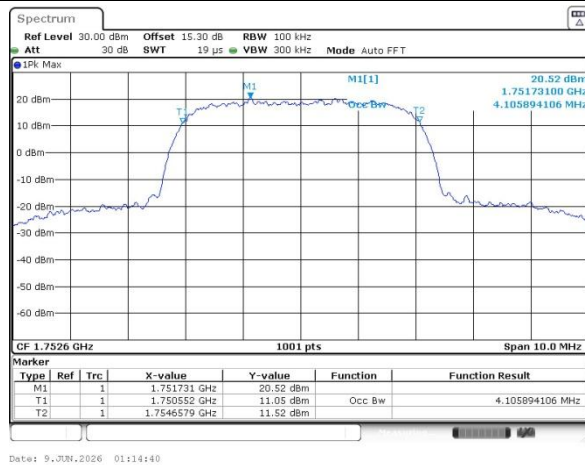
Lowest Channel



Middle Channel

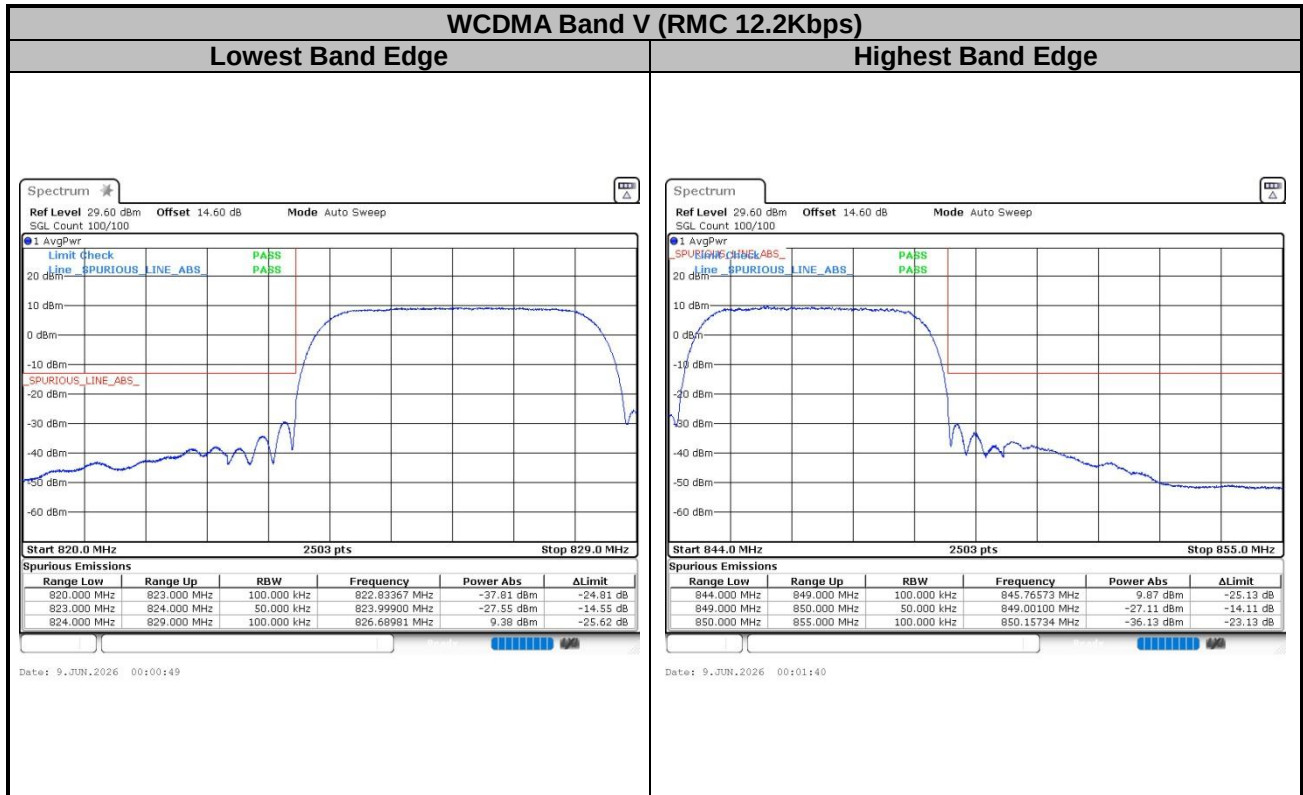


Highest Channel





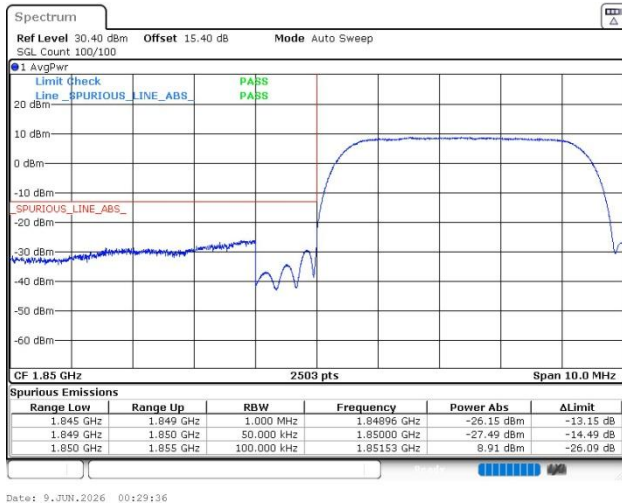
Conducted Band Edge



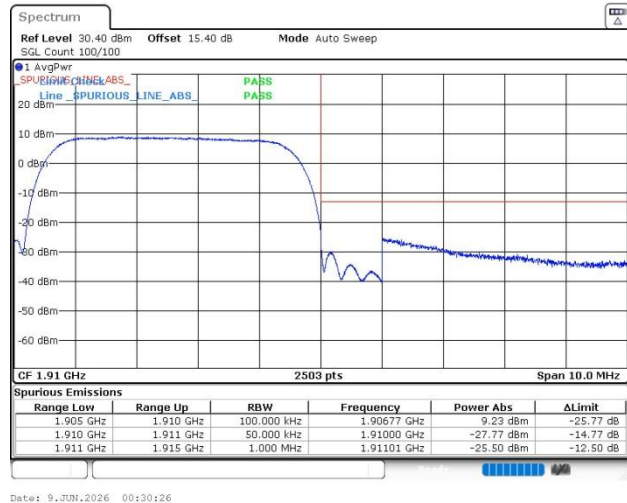


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

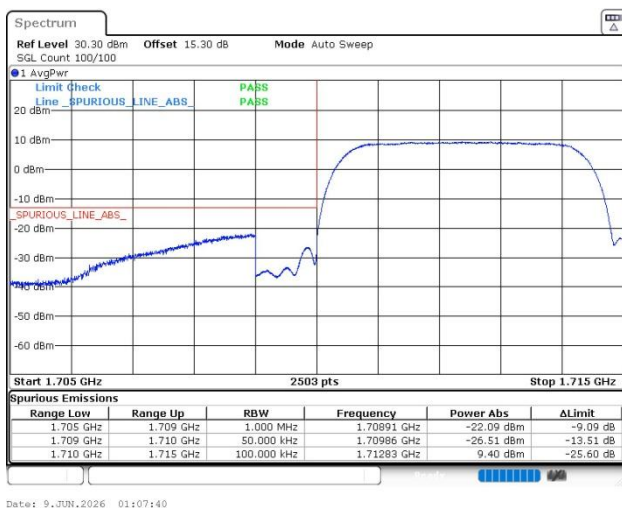


Highest Band Edge

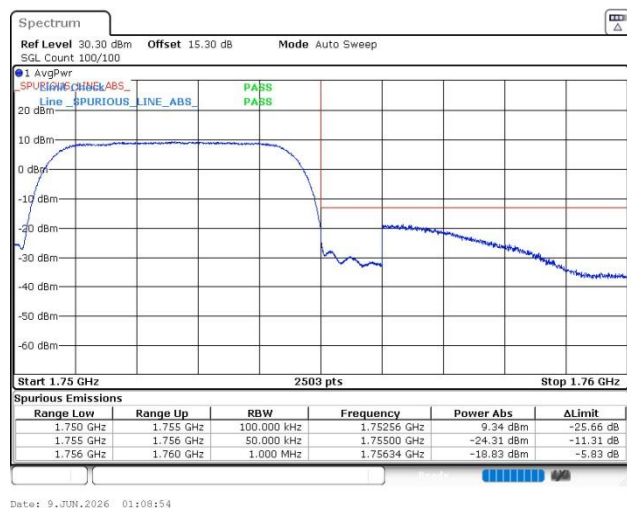


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

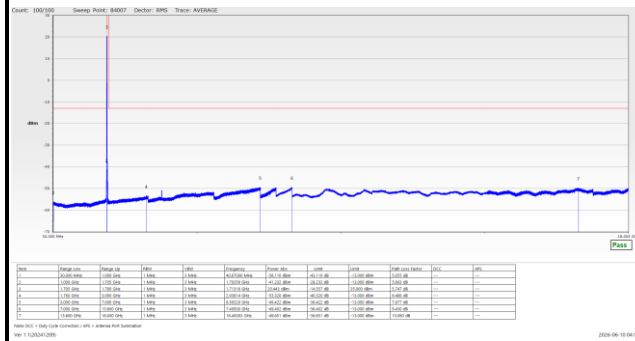


Conducted Spurious Emission

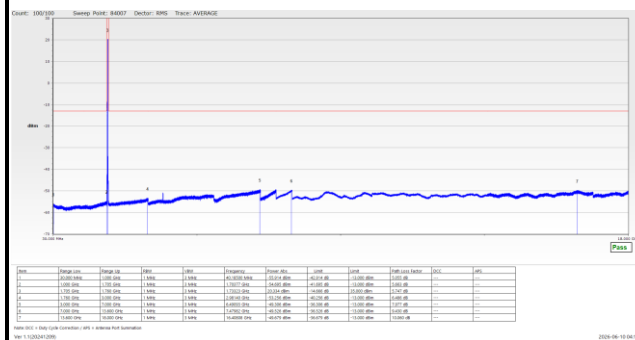
[illegible]

WCDMA Band IV (RMC 12.2Kbps)

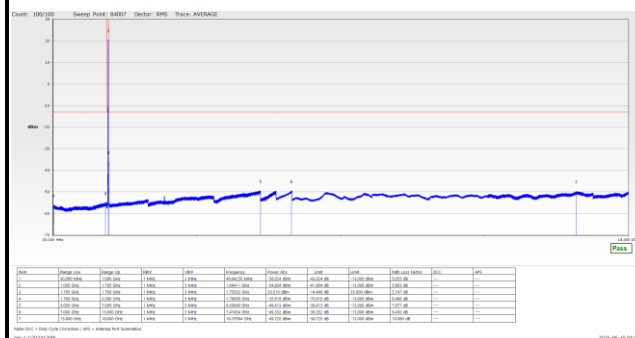
Lowest Channel



Middle Channel



Highest Channel



**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	0.0007	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0011	
20	Minimum Voltage	0.0022	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0004	
20	Minimum Voltage	0.0024	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0019	
20	Minimum Voltage	0.0010	

Note:

1. Normal Voltage = 3.8 V ; Minimum Voltage =3.5V. ; 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

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

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)
Lowest	1648	-41.23	-13	-28.23	-48.20	1.58	10.70	H
	2472	-59.01	-13	-46.01	-67.26	2.102	12.50	H
	3296	-57.86	-13	-44.86	-66.75	2.856	13.90	H
	1648	-46.46	-13	-33.46	-53.43	1.58	10.70	V
	2472	-51.11	-13	-38.11	-59.36	2.10	12.50	V
	3296	-54.98	-13	-41.98	-63.87	2.86	13.90	V
Middle	1672	-37.23	-13	-24.23	-44.20	1.58	10.70	H
	2512	-55.24	-13	-42.24	-63.49	2.102	12.50	H
	3344	-57.88	-13	-44.88	-66.77	2.856	13.90	H
	1672	-42.47	-13	-29.47	-49.44	1.58	10.70	V
	2512	-54.61	-13	-41.61	-62.86	2.10	12.50	V
	3344	-57.12	-13	-44.12	-66.01	2.86	13.90	V
Highest	1696	-45.91	-13	-32.91	-52.88	1.58	10.70	H
	2544	-58.71	-13	-45.71	-66.96	2.102	12.50	H
	3392	-58.79	-13	-45.79	-67.68	2.856	13.90	H
	1696	-48.58	-13	-35.58	-55.55	1.58	10.70	V
	2544	-58.09	-13	-45.09	-66.34	2.10	12.50	V
	3392	-57.84	-13	-44.84	-66.73	2.86	13.90	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)
Lowest	1648	-39.27	-13	-26.27	-46.24	1.58	10.70	H
	2472	-54.37	-13	-41.37	-62.62	2.102	12.50	H
	3296	-57.46	-13	-44.46	-66.35	2.856	13.90	H
	1648	-46.27	-13	-33.27	-53.24	1.58	10.70	V
	2472	-51.25	-13	-38.25	-59.50	2.10	12.50	V
	3296	-55.71	-13	-42.71	-64.60	2.86	13.90	V
Middle	1672	-38.35	-13	-25.35	-45.32	1.58	10.70	H
	2512	-57.91	-13	-44.91	-66.16	2.102	12.50	H
	3344	-57.47	-13	-44.47	-66.36	2.856	13.90	H
	1672	-44.75	-13	-31.75	-51.72	1.58	10.70	V
	2512	-53.85	-13	-40.85	-62.10	2.10	12.50	V
	3344	-55.95	-13	-42.95	-64.84	2.86	13.90	V
Highest	1696	-45.37	-13	-32.37	-52.34	1.58	10.70	H
	2544	-58.96	-13	-45.96	-67.21	2.102	12.50	H
	3392	-58.56	-13	-45.56	-67.45	2.856	13.90	H
	1696	-47.95	-13	-34.95	-54.92	1.58	10.70	V
	2544	-56.78	-13	-43.78	-65.03	2.10	12.50	V
	3392	-56.73	-13	-43.73	-65.62	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)
Lowest	3705	-50.19	-13	-37.19	-62.45	2.641	14.90	H
	5550	-56.44	-13	-43.44	-68.30	2.94	14.80	H
	7395	-53.87	-13	-40.87	-63.64	3.39	13.16	H
	9255	-52.49	-13	-39.49	-62.97	4.00	14.48	H
	3705	-45.78	-13	-32.78	-58.04	2.64	14.90	V
	5550	-56.01	-13	-43.01	-67.87	2.94	14.80	V
	7395	-53.60	-13	-40.60	-63.37	3.39	13.16	V
	9255	-52.80	-13	-39.80	-63.28	4.00	14.48	V
Middle	3765	-55.62	-13	-42.62	-67.88	2.641	14.90	H
	5640	-55.75	-13	-42.75	-67.61	2.94	14.80	H
	7515	-52.93	-13	-39.93	-62.70	3.39	13.16	H
	9405	-51.61	-13	-38.61	-62.09	4.00	14.48	H
	3765	-50.23	-13	-37.23	-62.49	2.64	14.90	V
	5640	-55.93	-13	-42.93	-67.79	2.94	14.80	V
	7515	-52.43	-13	-39.43	-62.20	3.39	13.16	V
	9405	-51.66	-13	-38.66	-62.14	4.00	14.48	V
Highest	3825	-55.69	-13	-42.69	-67.95	2.641	14.90	H
	5730	-56.02	-13	-43.02	-67.88	2.94	14.80	H
	7635	-53.10	-13	-40.10	-62.87	3.39	13.16	H
	9555	-51.65	-13	-38.65	-62.13	4.00	14.48	H
	3825	-49.17	-13	-36.17	-61.43	2.64	14.90	V
	5730	-55.71	-13	-42.71	-67.57	2.94	14.80	V
	7635	-52.78	-13	-39.78	-62.55	3.39	13.16	V
	9555	-52.02	-13	-39.02	-62.50	4.00	14.48	V

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



GSM1900 (EDGE 1 Tx slots)								
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)
Lowest	3705	-51.77	-13	-38.77	-64.03	2.641	14.90	H
	5550	-55.94	-13	-42.94	-67.80	2.94	14.80	H
	7395	-53.72	-13	-40.72	-63.49	3.39	13.16	H
	3705	-44.87	-13	-31.87	-57.13	2.64	14.90	V
	5550	-56.40	-13	-43.40	-68.26	2.94	14.80	V
	7395	-53.99	-13	-40.99	-63.76	3.39	13.16	V
Middle	3765	-55.09	-13	-42.09	-67.35	2.641	14.90	H
	5640	-55.59	-13	-42.59	-67.45	2.94	14.80	H
	7515	-52.78	-13	-39.78	-62.55	3.39	13.16	H
	3765	-49.00	-13	-36.00	-61.26	2.64	14.90	V
	5640	-54.57	-13	-41.57	-66.43	2.94	14.80	V
	7515	-53.01	-13	-40.01	-62.78	3.39	13.16	V
Highest	3825	-56.03	-13	-43.03	-68.29	2.641	14.90	H
	5730	-55.85	-13	-42.85	-67.71	2.94	14.80	H
	7635	-53.03	-13	-40.03	-62.80	3.39	13.16	H
	3825	-50.12	-13	-37.12	-62.38	2.64	14.90	V
	5730	-55.33	-13	-42.33	-67.19	2.94	14.80	V
	7635	-52.99	-13	-39.99	-62.76	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)
Lowest	1648	-48.61	-13	-35.61	-55.58	1.58	10.70	H
	2472	-58.90	-13	-45.90	-67.15	2.102	12.50	H
	3296	-57.70	-13	-44.70	-66.59	2.856	13.90	H
	1648	-50.77	-13	-37.77	-57.74	1.58	10.70	V
	2472	-53.97	-13	-40.97	-62.22	2.10	12.50	V
	3296	-57.63	-13	-44.63	-66.52	2.86	13.90	V
Middle	1664	-45.02	-13	-32.02	-51.99	1.58	10.70	H
	2496	-57.98	-13	-44.98	-66.23	2.102	12.50	H
	3328	-58.31	-13	-45.31	-67.20	2.856	13.90	H
	1664	-49.71	-13	-36.71	-56.68	1.58	10.70	V
	2496	-53.32	-13	-40.32	-61.57	2.10	12.50	V
	3328	-58.10	-13	-45.10	-66.99	2.86	13.90	V
Highest	1680	-46.70	-13	-33.70	-53.67	1.58	10.70	H
	2520	-58.62	-13	-45.62	-66.87	2.102	12.50	H
	3360	-58.19	-13	-45.19	-67.08	2.856	13.90	H
	1680	-50.36	-13	-37.36	-57.33	1.58	10.70	V
	2520	-53.84	-13	-40.84	-62.09	2.10	12.50	V
	3360	-58.05	-13	-45.05	-66.94	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)
Lowest	3705	-53.08	-13	-40.08	-65.34	2.64	14.90	H
	5550	-50.34	-13	-37.34	-62.20	2.94	14.80	H
	7410	-53.20	-13	-40.20	-62.97	3.39	13.16	H
	3705	-47.45	-13	-34.45	-59.71	2.64	14.90	V
	5550	-41.16	-13	-28.16	-53.02	2.94	14.80	V
	7410	-53.14	-13	-40.14	-62.91	3.39	13.16	V
Middle	3735	-53.62	-13	-40.62	-65.88	2.64	14.90	H
	5610	-48.26	-13	-35.26	-60.12	2.94	14.80	H
	7485	-52.51	-13	-39.51	-62.28	3.39	13.16	H
	3735	-48.66	-13	-35.66	-60.92	2.64	14.90	V
	5610	-43.28	-13	-30.28	-55.14	2.94	14.80	V
	7485	-52.52	-13	-39.52	-62.29	3.39	13.16	V
Highest	3780	-54.11	-13	-41.11	-66.37	2.64	14.90	H
	5670	-46.75	-13	-33.75	-58.61	2.94	14.80	H
	7560	-52.41	-13	-39.41	-62.18	3.39	13.16	H
	3780	-50.60	-13	-37.60	-62.86	2.64	14.90	V
	5670	-46.00	-13	-33.00	-57.86	2.94	14.80	V
	7560	-52.23	-13	-39.23	-62.00	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)
Lowest	3420	-56.84	-13	-43.84	-67.58	2.604	13.34	H
	5130	-50.76	-13	-37.76	-61.27	3.011	13.52	H
	6840	-54.48	-13	-41.48	-64.68	3.271	13.47	H
	3420	-53.49	-13	-40.49	-64.23	2.604	13.34	V
	5130	-43.16	-13	-30.16	-53.67	3.011	13.52	V
	6840	-53.94	-13	-40.94	-64.14	3.271	13.47	V
Middle	3450	-56.74	-13	-43.74	-67.48	2.604	13.34	H
	5175	-52.38	-13	-39.38	-62.89	3.011	13.52	H
	6900	-54.63	-13	-41.63	-64.83	3.271	13.47	H
	3450	-52.46	-13	-39.46	-63.20	2.604	13.34	V
	5175	-46.33	-13	-33.33	-56.84	3.011	13.52	V
	6900	-54.42	-13	-41.42	-64.62	3.271	13.47	V
Highest	3465	-57.17	-13	-44.17	-67.91	2.604	13.34	H
	5205	-52.99	-13	-39.99	-63.50	3.011	13.52	H
	6945	-54.32	-13	-41.32	-64.52	3.271	13.47	H
	3465	-53.83	-13	-40.83	-64.57	2.604	13.34	V
	5205	-46.73	-13	-33.73	-57.24	3.011	13.52	V
	6945	-54.19	-13	-41.19	-64.39	3.271	13.47	V

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