



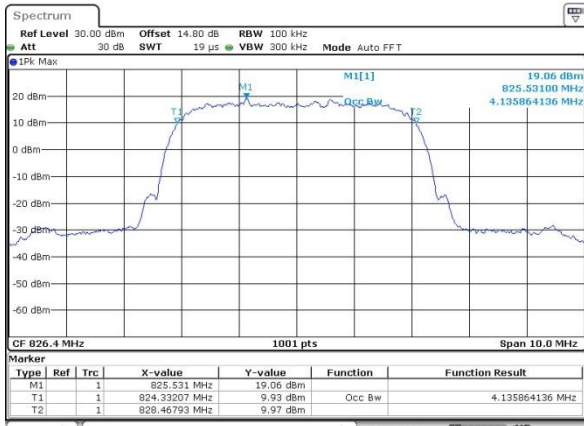
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.146	4.136
Middle CH	4.146	4.146	4.136
Highest CH	4.136	4.136	4.136



WCDMA Band V (RMC 12.2Kbps)

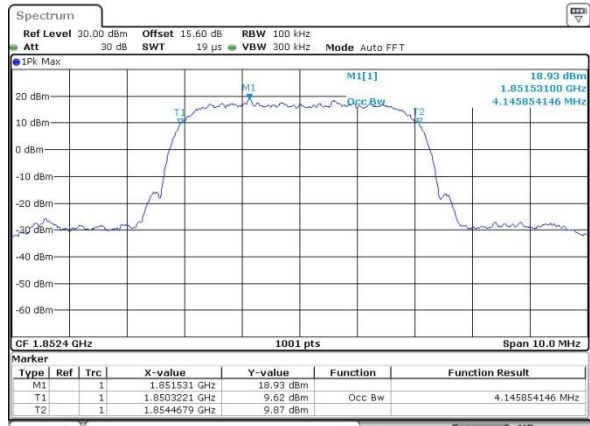
Lowest Channel



Date: 17 JUN 2024 06:31:37

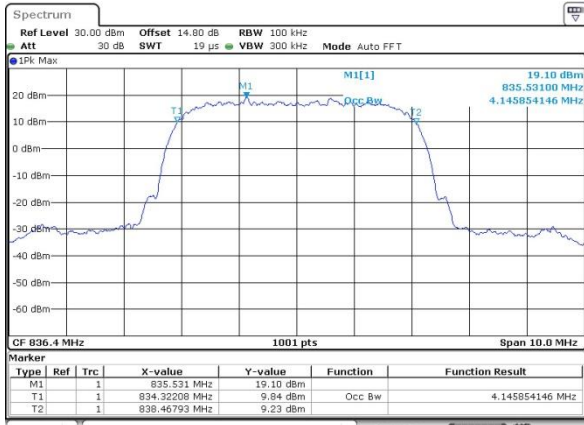
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



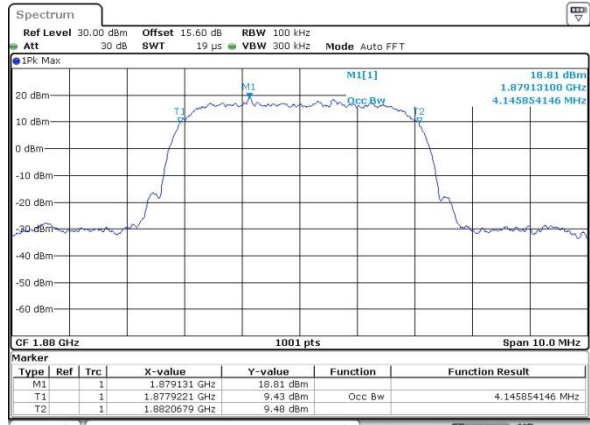
Date: 17 JUN 2024 06:04:24

Middle Channel



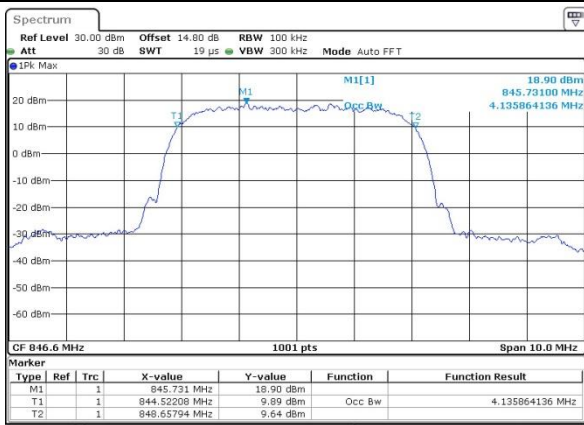
Date: 17 JUN 2024 06:32:00

Middle Channel



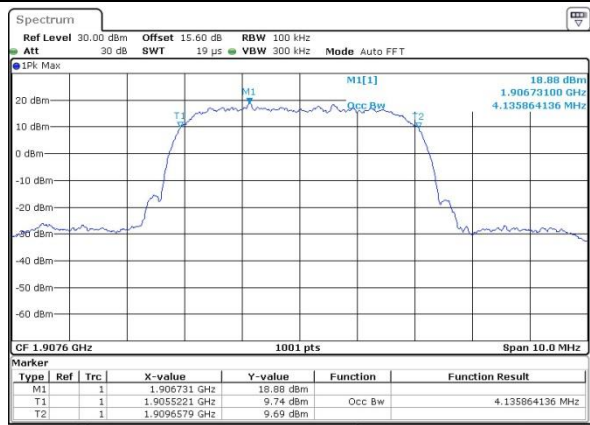
Date: 17 JUN 2024 06:04:47

Highest Channel



Date: 17 JUN 2024 06:32:55

Highest Channel

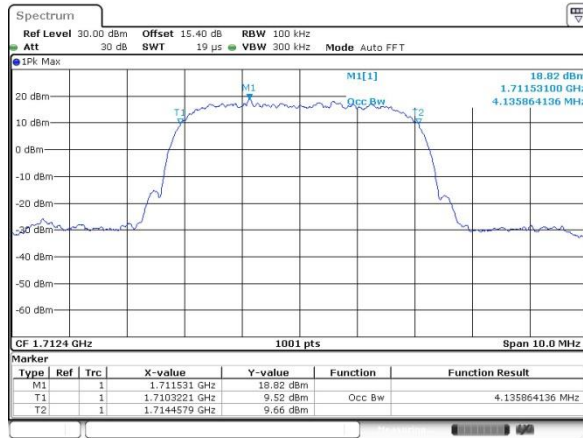


Date: 17 JUN 2024 06:05:50



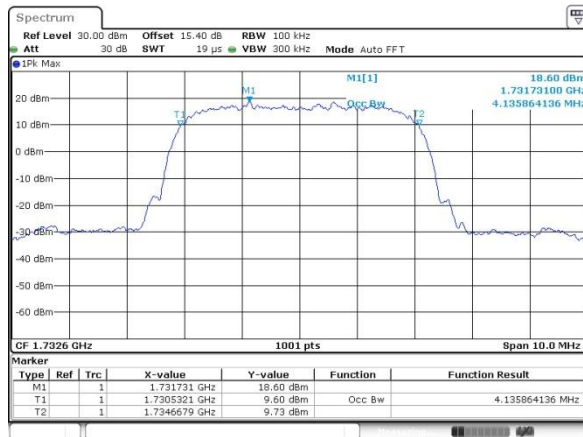
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



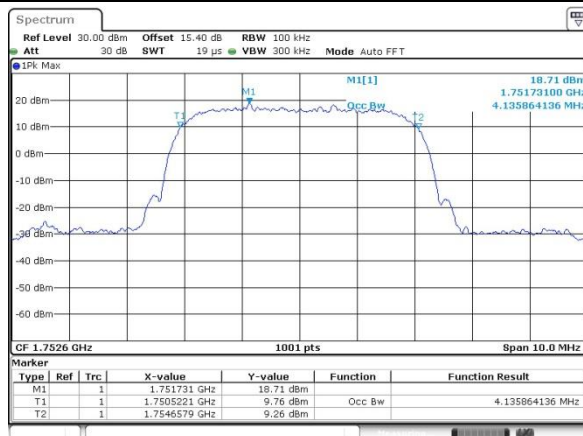
Date: 17 JUN 2024 06:18:28

Middle Channel



Date: 17 JUN 2024 06:18:51

Highest Channel



Date: 17 JUN 2024 06:19:15



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.JUN.2024 06:40:14

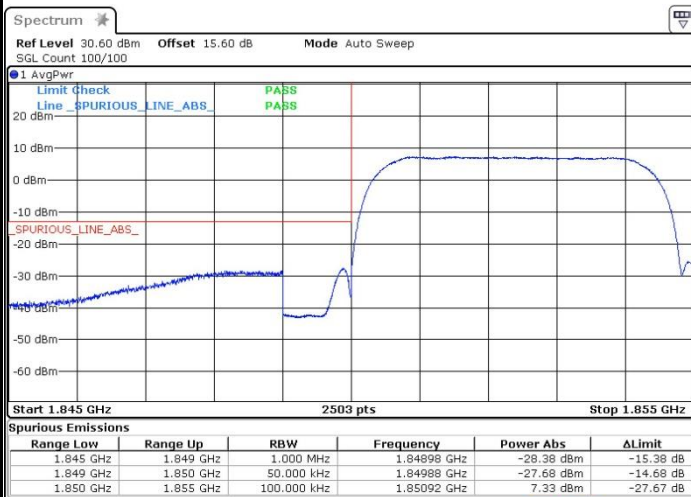
Highest Band Edge



Date: 17.JUN.2024 06:41:18

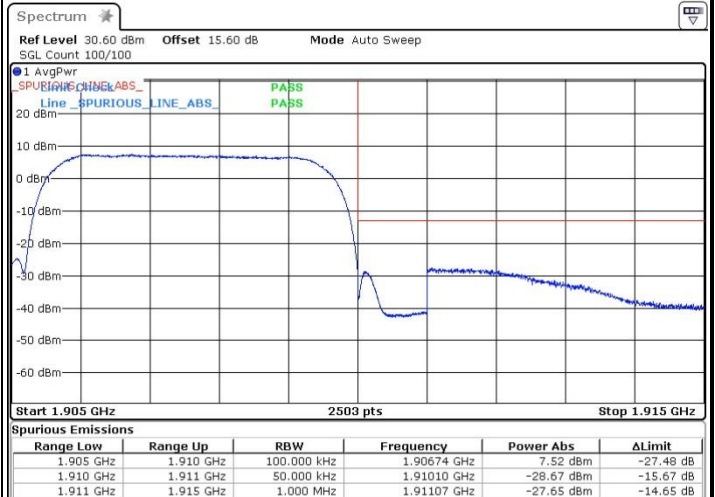
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.JUN.2024 06:07:13

Highest Band Edge



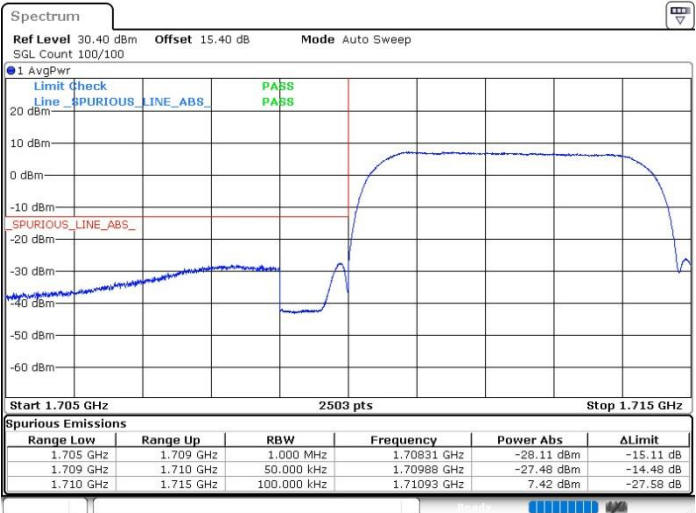
Date: 17.JUN.2024 06:07:58



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



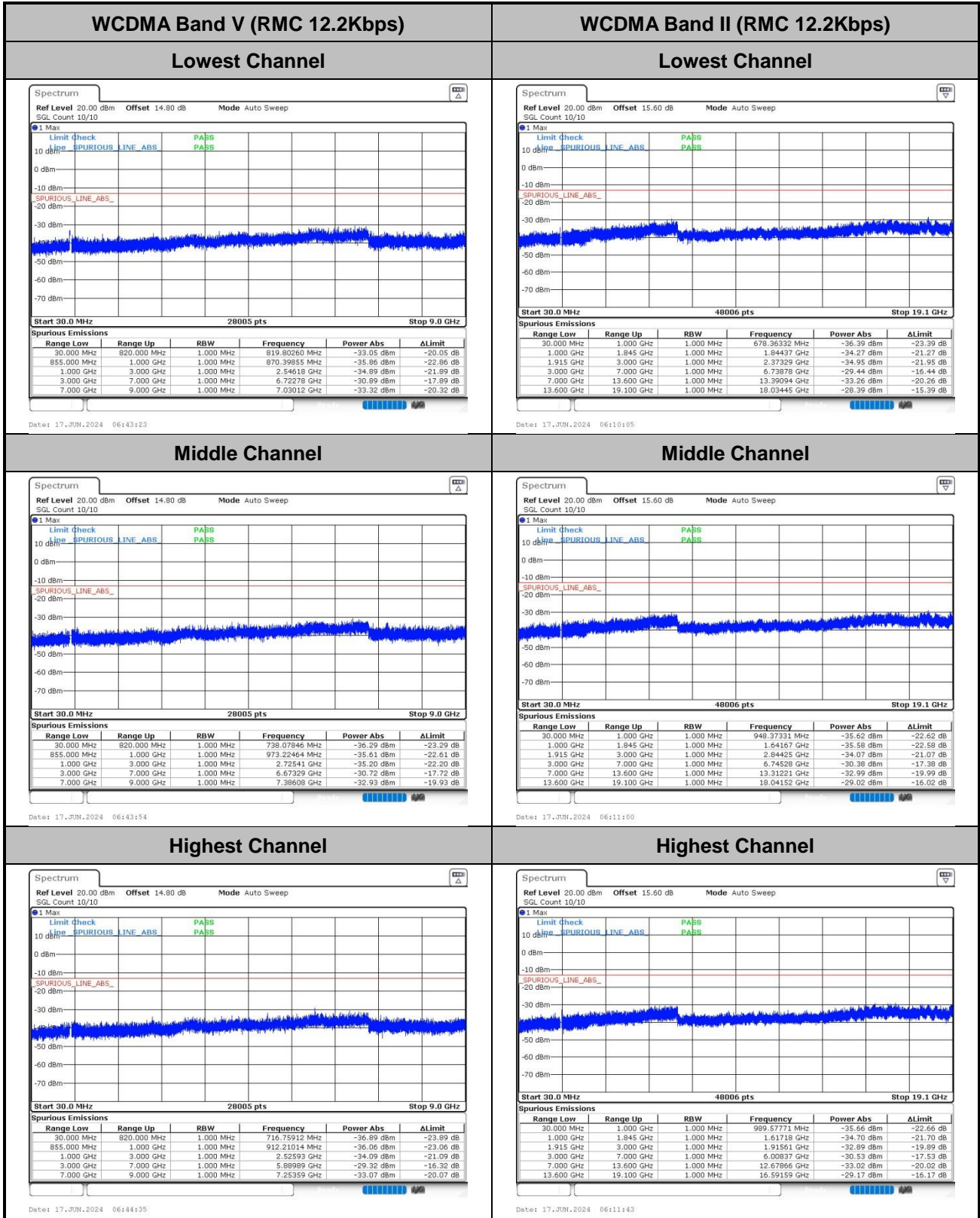
Date: 17.JUN.2024 06:20:34



Date: 17.JUN.2024 06:21:19



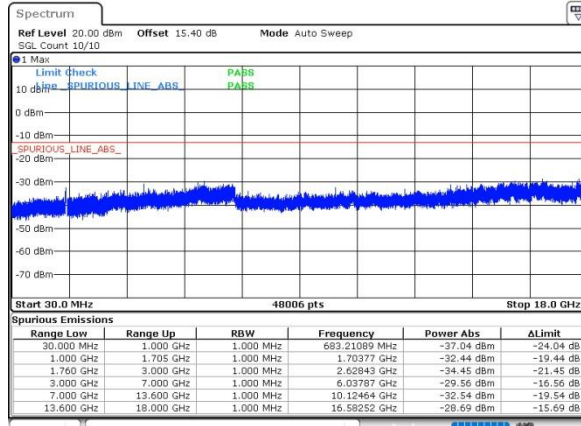
Conducted Spurious Emission





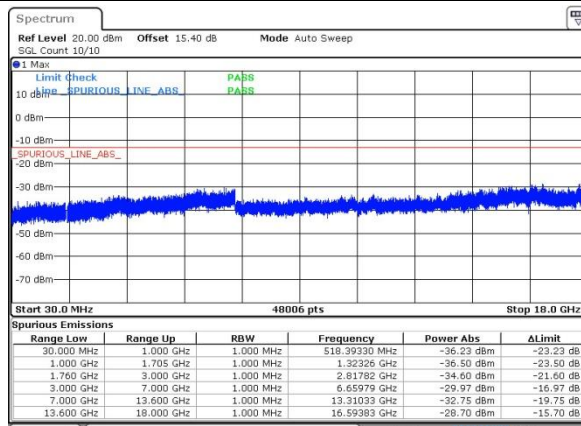
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



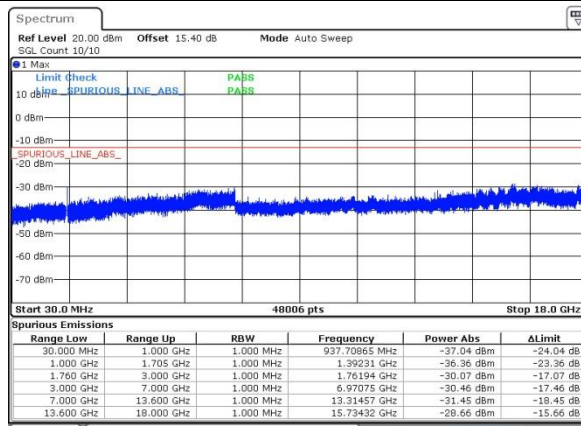
Date: 17 JUN 2024 06:22:16

Middle Channel



Date: 17 JUN 2024 06:22:43

Highest Channel



Date: 17 JUN 2024 06:23:12



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	0.0143	PASS
40	Normal Voltage	0.0156	
30	Normal Voltage	0.0224	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0154	
0	Normal Voltage	0.0211	
-10	Normal Voltage	0.0169	
-20	Normal Voltage	0.0117	
-30	Normal Voltage	0.0215	
20	Maximum Voltage	0.0154	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0214	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0156	PASS
40	Normal Voltage	0.0241	
30	Normal Voltage	0.0272	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0347	
0	Normal Voltage	0.0124	
-10	Normal Voltage	0.0219	
-20	Normal Voltage	0.0165	
-30	Normal Voltage	0.0171	
20	Maximum Voltage	0.0146	
20	Normal Voltage	0.0119	
20	Battery End Point	0.0247	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0143	PASS
40	Normal Voltage	0.0272	
30	Normal Voltage	0.0156	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0141	
0	Normal Voltage	0.0215	
-10	Normal Voltage	0.0117	
-20	Normal Voltage	0.0162	
-30	Normal Voltage	0.0235	
20	Maximum Voltage	0.0172	
20	Normal Voltage	0.0147	
20	Battery End Point	0.0271	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.5V
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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

GSM850 (GSM) / Ant.0								
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	-64.33	-13	-51.33	-71.30	1.58	10.70	H
	2512	-60.94	-13	-47.94	-69.19	2.102	12.50	H
	3344	-61.16	-13	-48.16	-70.05	2.856	13.90	H
	1672	-56.07	-13	-43.07	-63.04	1.58	10.70	V
	2512	-59.66	-13	-46.66	-67.91	2.10	12.50	V
	3344	-60.93	-13	-47.93	-69.82	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots) / Ant.0								
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	-64.67	-13	-51.67	-71.64	1.58	10.70	H
	2512	-61.26	-13	-48.26	-69.51	2.102	12.50	H
	3344	-61.33	-13	-48.33	-70.22	2.856	13.90	H
	1672	-56.79	-13	-43.79	-63.76	1.58	10.70	V
	2512	-60.17	-13	-47.17	-68.42	2.10	12.50	V
	3344	-61.33	-13	-48.33	-70.22	2.86	13.90	V

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

GSM1900 (GSM) / Ant.1								
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	-55.58	-13	-42.58	-67.84	2.64	14.90	H
	5640	-48.35	-13	-35.35	-60.21	2.94	14.80	H
	7515	-54.46	-13	-41.46	-64.23	3.39	13.16	H
	3765	-55.51	-13	-42.51	-67.77	2.64	14.90	V
	5640	-51.46	-13	-38.46	-63.32	2.94	14.80	V
	7515	-54.28	-13	-41.28	-64.05	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) / Ant.1								
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	-56.40	-13	-43.40	-68.66	2.64	14.90	H
	5640	-55.81	-13	-42.81	-67.67	2.94	14.80	H
	7515	-54.49	-13	-41.49	-64.26	3.39	13.16	H
	3765	-56.26	-13	-43.26	-68.52	2.64	14.90	V
	5640	-55.69	-13	-42.69	-67.55	2.94	14.80	V
	7515	-54.71	-13	-41.71	-64.48	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) / Ant.0								
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	-64.76	-13	-51.76	-71.73	1.58	10.70	H
	2512	-61.07	-13	-48.07	-69.32	2.102	12.50	H
	3344	-61.20	-13	-48.20	-70.09	2.856	13.90	H
	1672	-63.92	-13	-50.92	-70.89	1.58	10.70	V
	2512	-60.48	-13	-47.48	-68.73	2.10	12.50	V
	3344	-60.48	-13	-47.48	-69.37	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) / Ant.1								
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	-56.62	-13	-43.62	-68.88	2.64	14.90	H
	5640	-55.34	-13	-42.34	-67.20	2.94	14.80	H
	7515	-54.28	-13	-41.28	-64.05	3.39	13.16	H
	3765	-56.43	-13	-43.43	-68.69	2.64	14.90	V
	5640	-56.05	-13	-43.05	-67.91	2.94	14.80	V
	7515	-54.43	-13	-41.43	-64.20	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) / Ant.1								
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	-57.81	-13	-44.81	-68.55	2.604	13.34	H
	5205	-55.20	-13	-42.20	-65.71	3.011	13.52	H
	6930	-55.90	-13	-42.90	-66.10	3.271	13.47	H
	3465	-58.11	-13	-45.11	-68.85	2.604	13.34	V
	5205	-55.44	-13	-42.44	-65.95	3.011	13.52	V
	6930	-55.68	-13	-42.68	-65.88	3.271	13.47	V

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