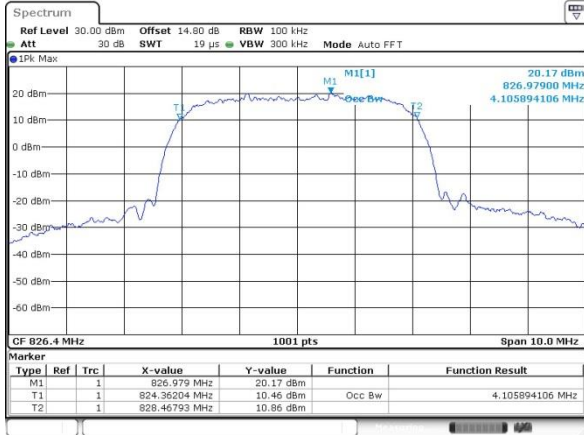




WCDMA Band V (RMC 12.2Kbps)

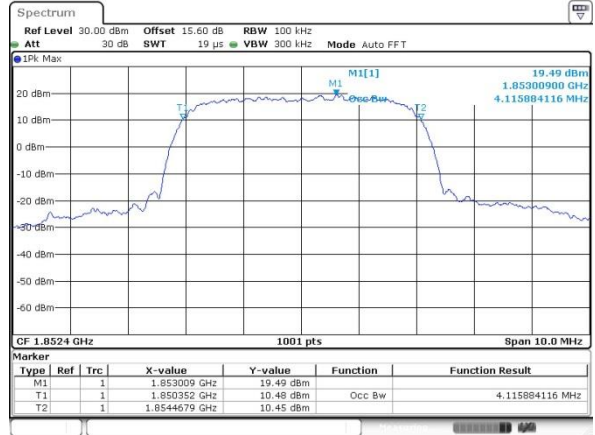
Lowest Channel



Date: 8.AUG.2024 02:28:49

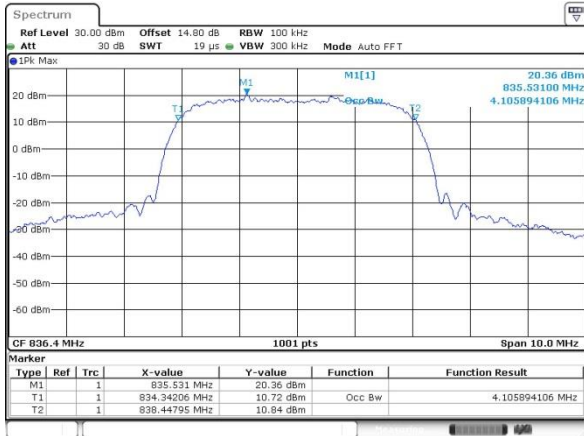
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



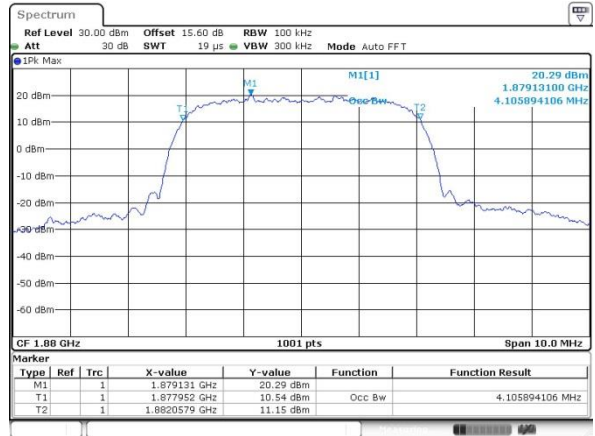
Date: 8.AUG.2024 01:55:45

Middle Channel



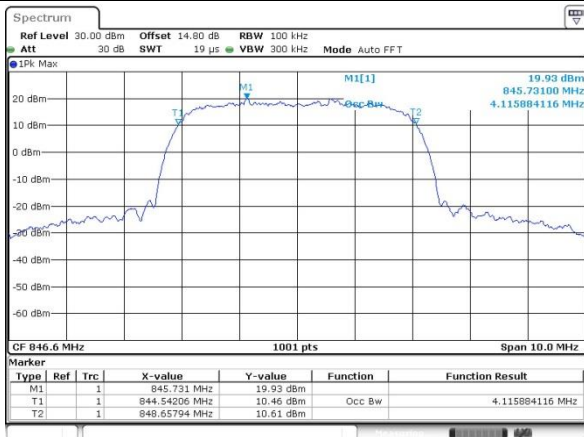
Date: 8.AUG.2024 02:29:15

Middle Channel



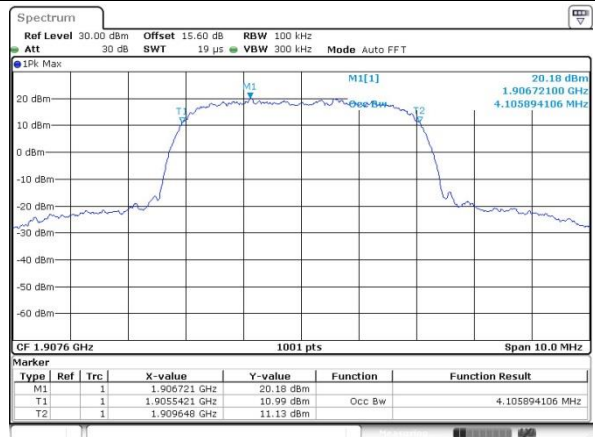
Date: 8.AUG.2024 01:56:17

Highest Channel



Date: 8.AUG.2024 02:29:41

Highest Channel

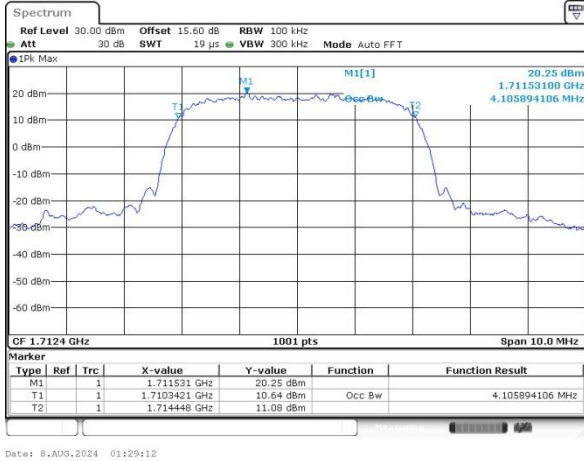


Date: 8.AUG.2024 01:56:43

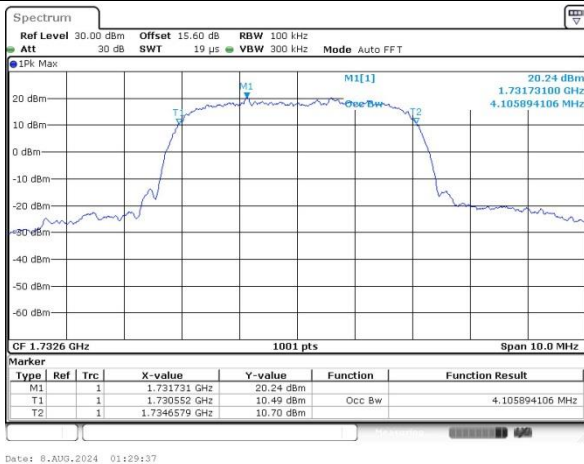


WCDMA Band IV (RMC 12.2Kbps)

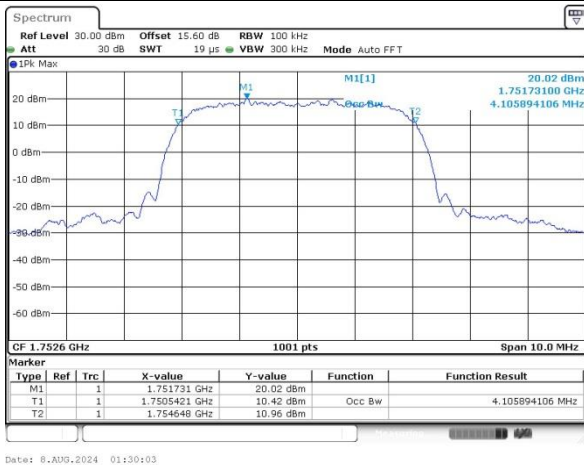
Lowest Channel



Middle Channel



Highest Channel

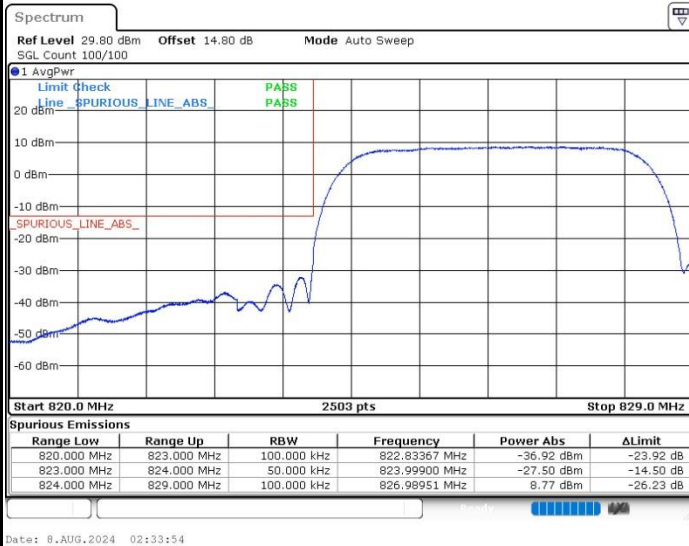




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

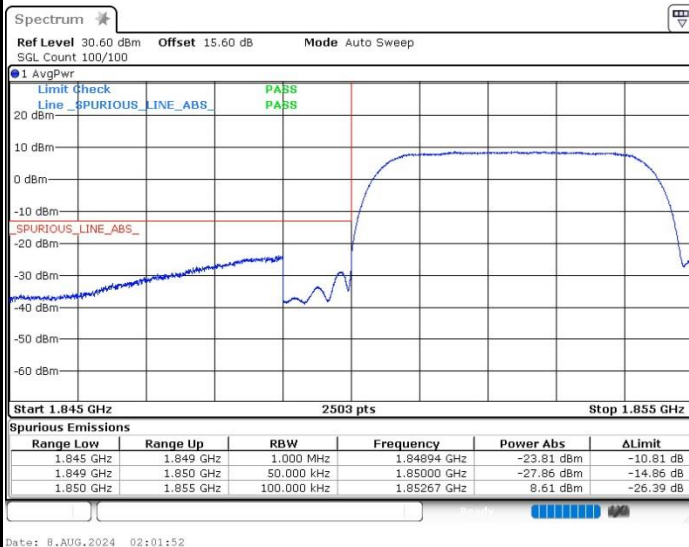


Highest Band Edge



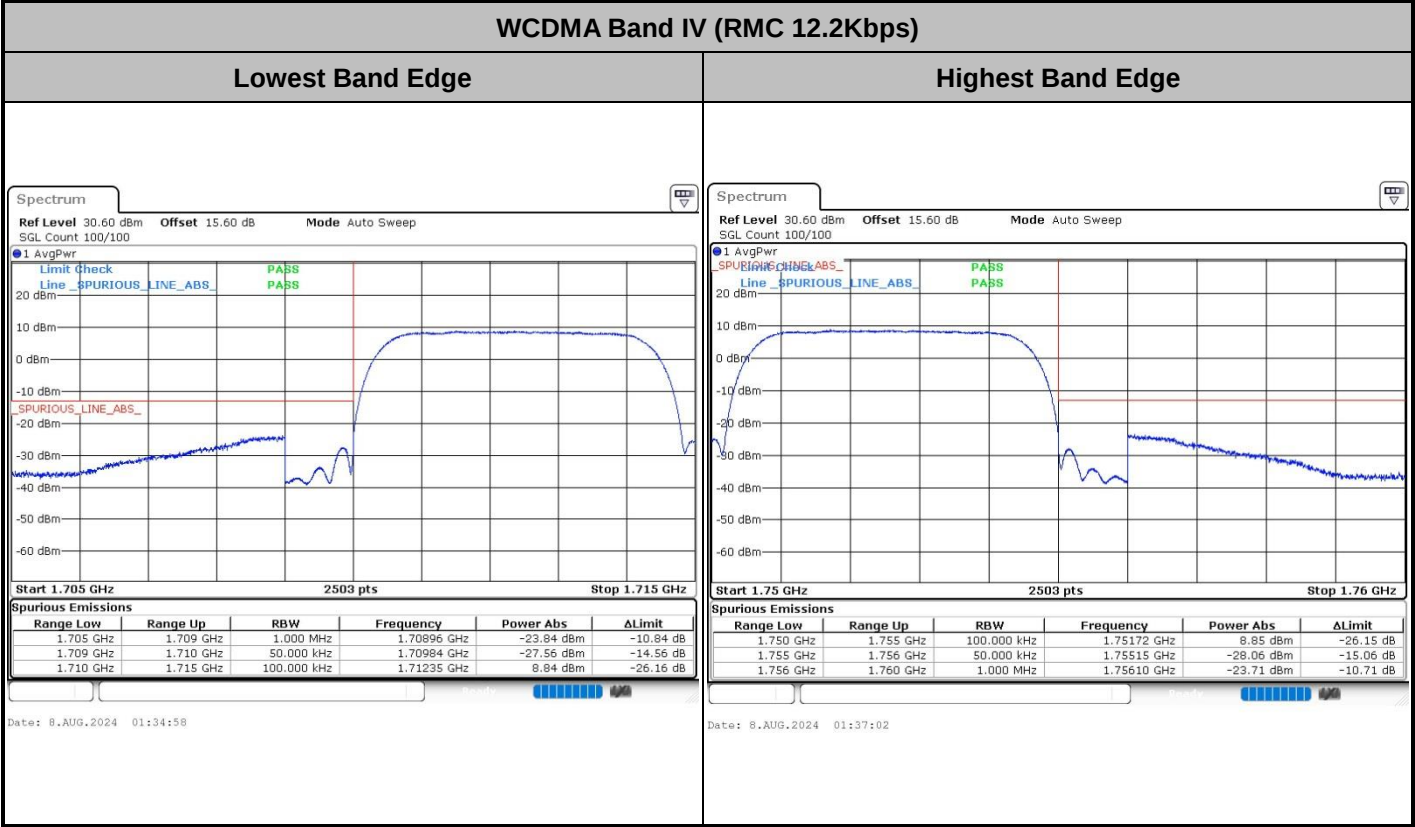
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



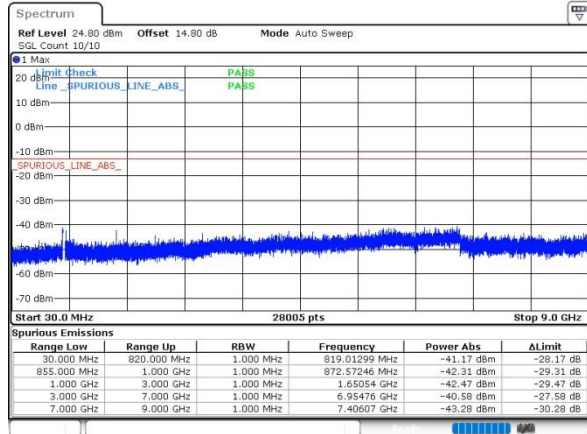




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

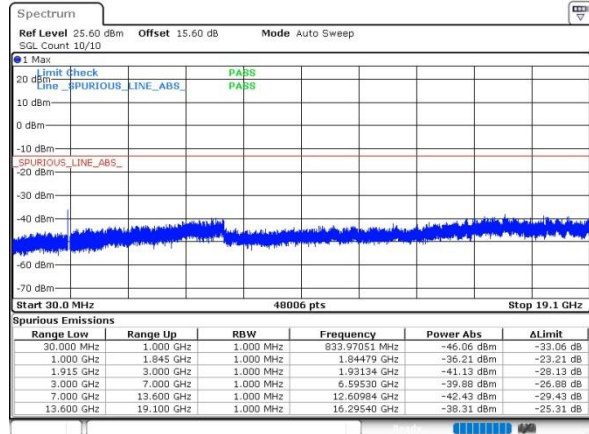
Lowest Channel



Date: 8.AUG.2024 02:13:17

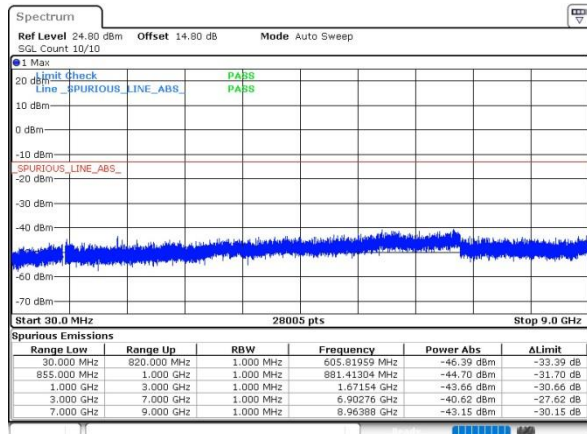
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



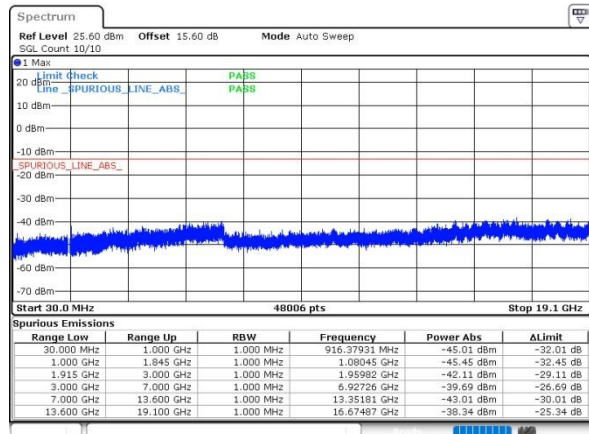
Date: 8.AUG.2024 02:14:17

Middle Channel



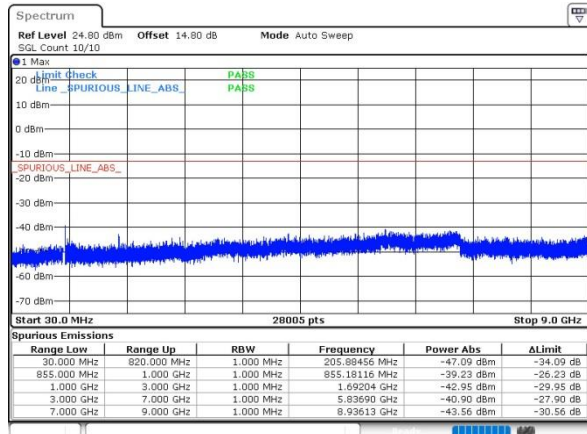
Date: 8.AUG.2024 02:14:18

Middle Channel



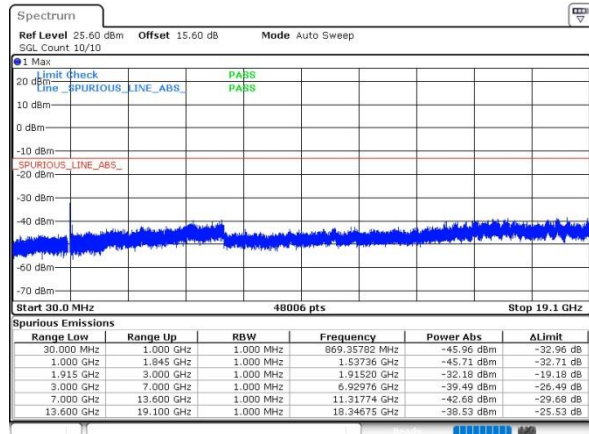
Date: 8.AUG.2024 02:16:23

Highest Channel



Date: 8.AUG.2024 02:14:22

Highest Channel



Date: 8.AUG.2024 02:19:49

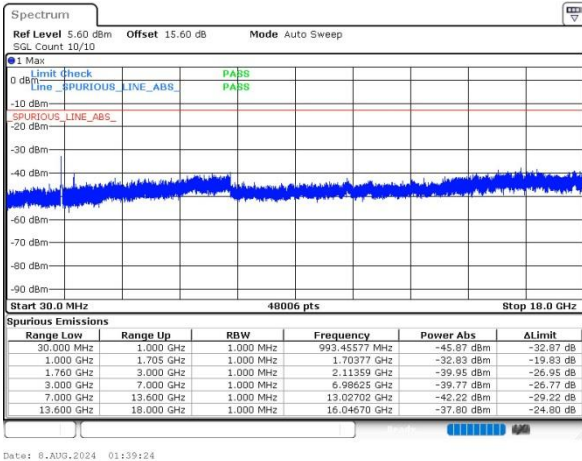


WCDMA Band IV (RMC 12.2Kbps)

-

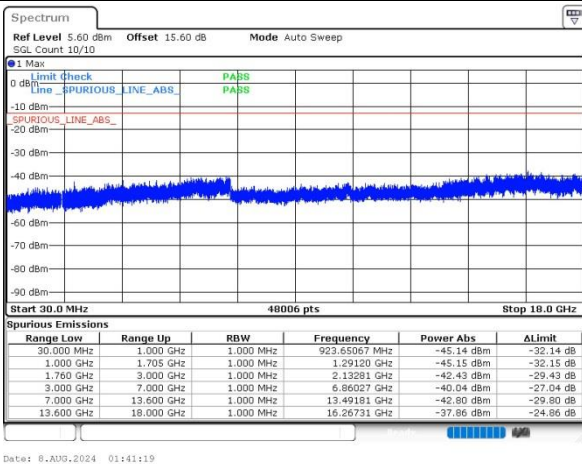
Lowest Channel

-



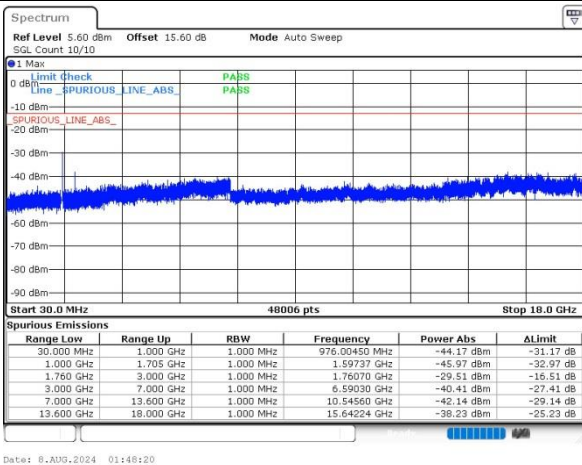
Middle Channel

-



Highest Channel

-



**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	0.0121	PASS
40	Normal Voltage	0.0237	
30	Normal Voltage	0.0275	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0249	
0	Normal Voltage	0.0311	
-10	Normal Voltage	0.0227	
-20	Normal Voltage	0.0129	
-30	Normal Voltage	0.0344	
20	Maximum Voltage	0.0456	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0147	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0155	PASS
40	Normal Voltage	0.0198	
30	Normal Voltage	0.0068	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0134	
0	Normal Voltage	0.0172	
-10	Normal Voltage	0.0248	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0171	
20	Maximum Voltage	0.0234	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0069	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0096	PASS
40	Normal Voltage	0.0124	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0119	
-20	Normal Voltage	0.0126	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0142	

Note:

1. Normal Voltage = 3.8V ; Minimum Voltage =3.55V. ; 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 Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	51~52%

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	-50.55	-13	-37.55	-57.52	1.58	10.70	H
	2512	-60.01	-13	-47.01	-68.26	2.102	12.50	H
	3344	-59.36	-13	-46.36	-68.25	2.856	13.90	H
	1672	-47.78	-13	-34.78	-54.75	1.58	10.70	V
	2512	-59.77	-13	-46.77	-68.02	2.10	12.50	V
	3344	-60.91	-13	-47.91	-69.80	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)
Middle	1672	-54.98	-13	-41.98	-61.95	1.58	10.70	H
	2512	-58.48	-13	-45.48	-66.73	2.102	12.50	H
	3344	-58.62	-13	-45.62	-67.51	2.856	13.90	H
	1672	-51.49	-13	-38.49	-58.46	1.58	10.70	V
	2512	-59.92	-13	-46.92	-68.17	2.10	12.50	V
	3344	-60.42	-13	-47.42	-69.31	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	3765	-48.92	-13	-35.92	-61.18	2.64	14.90	H
	5640	-46.11	-13	-33.11	-57.97	2.94	14.80	H
	7515	-53.97	-13	-40.97	-63.74	3.39	13.16	H
	3765	-42.60	-13	-29.60	-54.86	2.64	14.90	V
	5640	-48.89	-13	-35.89	-60.75	2.94	14.80	V
	7515	-54.11	-13	-41.11	-63.88	3.39	13.16	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)
Middle	3765	-46.75	-13	-33.75	-59.01	2.64	14.90	H
	5640	-49.23	-13	-36.23	-61.09	2.94	14.80	H
	7515	-53.61	-13	-40.61	-63.38	3.39	13.16	H
	3765	-42.60	-13	-29.60	-54.86	2.64	14.90	V
	5640	-46.33	-13	-33.33	-58.19	2.94	14.80	V
	7515	-52.12	-13	-39.12	-61.89	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	-64.69	-13	-51.69	-71.66	1.58	10.70	H
	2512	-60.72	-13	-47.72	-68.97	2.102	12.50	H
	3344	-60.86	-13	-47.86	-69.75	2.856	13.90	H
	1672	-63.78	-13	-50.78	-70.75	1.58	10.70	V
	2512	-60.26	-13	-47.26	-68.51	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)								
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	-55.72	-13	-42.72	-67.98	2.64	14.90	H
	5640	-55.13	-13	-42.13	-66.99	2.94	14.80	H
	7515	-54.10	-13	-41.10	-63.87	3.39	13.16	H
	3765	-55.92	-13	-42.92	-68.18	2.64	14.90	V
	5640	-55.68	-13	-42.68	-67.54	2.94	14.80	V
	7515	-53.77	-13	-40.77	-63.54	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	-57.62	-13	-44.62	-68.36	2.604	13.34	H
	5205	-55.07	-13	-42.07	-65.58	3.011	13.52	H
	6930	-55.43	-13	-42.43	-65.63	3.271	13.47	H
	3465	-50.50	-13	-37.50	-61.24	2.604	13.34	V
	5205	-54.88	-13	-41.88	-65.39	3.011	13.52	V
	6930	-55.84	-13	-42.84	-66.04	3.271	13.47	V

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