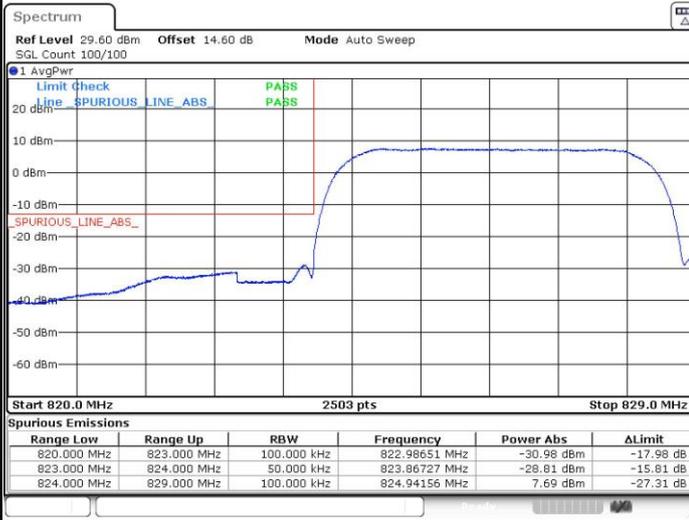




# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge

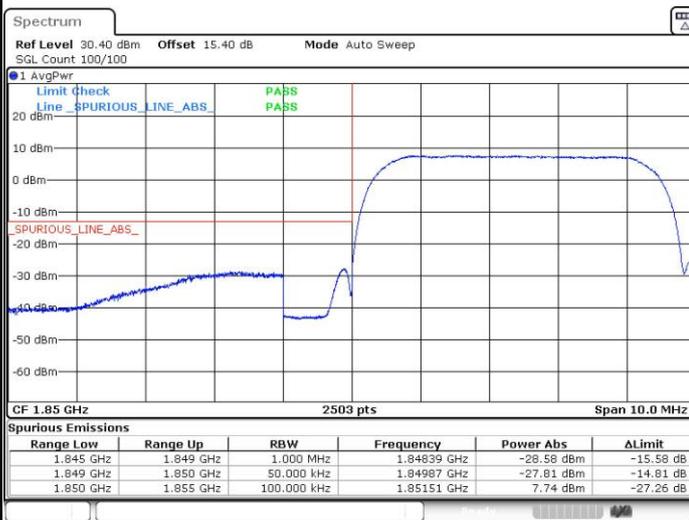


### Highest Band Edge

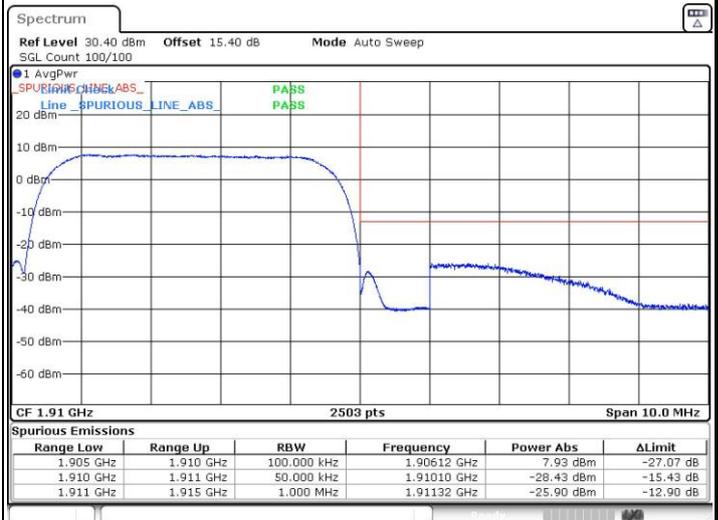


## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



### Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



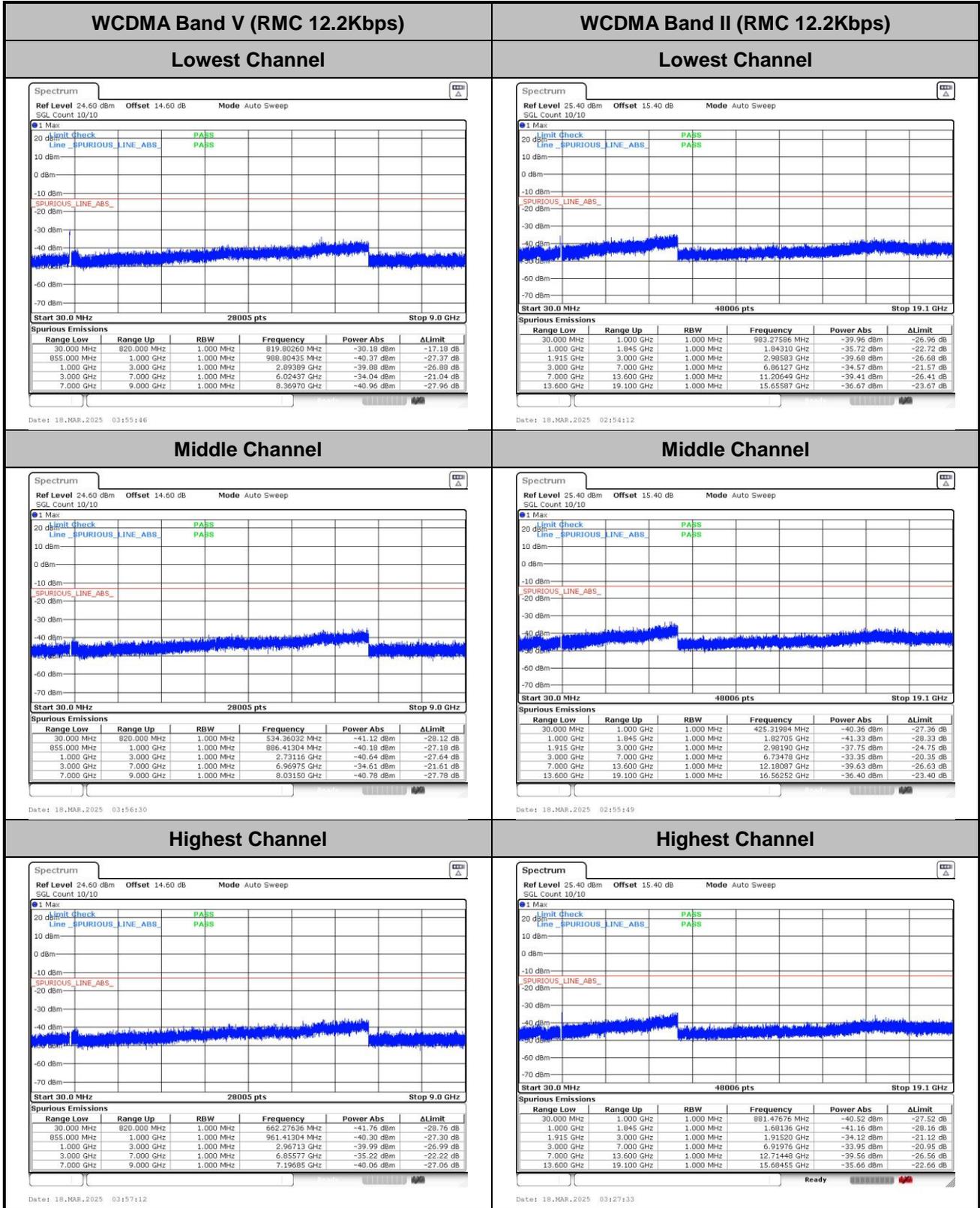
Date: 18.MAR.2025 03:36:44



Date: 18.MAR.2025 03:37:47



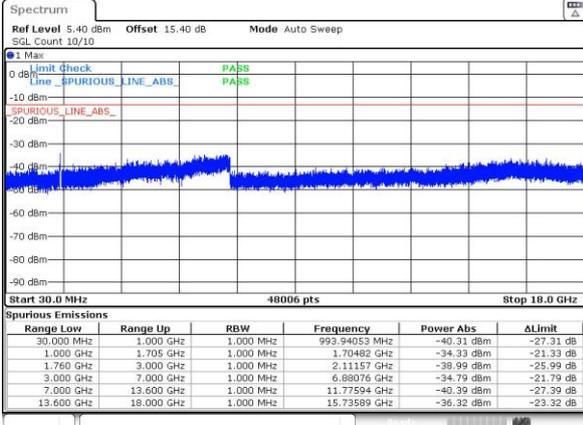
# Conducted Spurious Emission





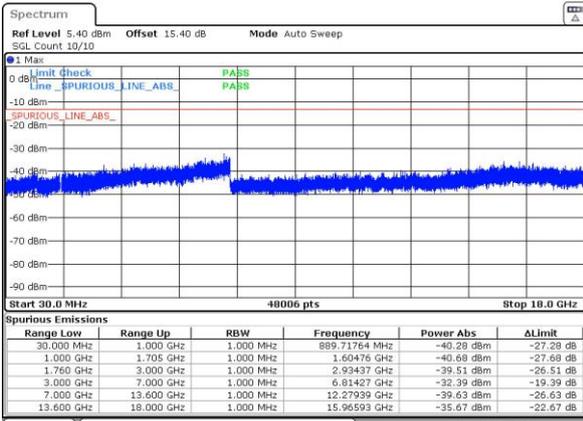
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



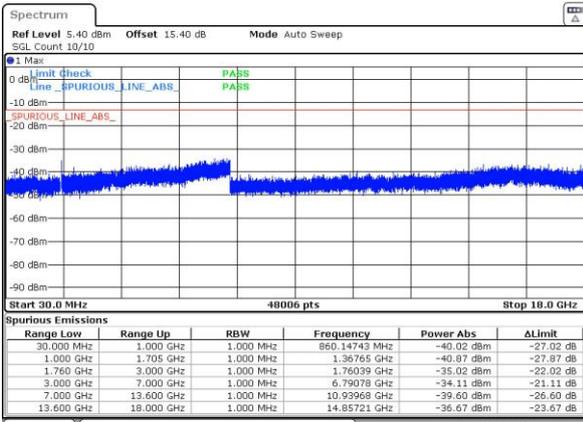
Date: 18\_MAR\_2025 03:43:12

Middle Channel



Date: 18\_MAR\_2025 03:44:14

Highest Channel



Date: 18\_MAR\_2025 03:45:19



### 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	0.0028	PASS
40	Normal Voltage	0.0362	
30	Normal Voltage	0.0259	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0362	
0	Normal Voltage	0.0341	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0195	
-30	Normal Voltage	0.0513	
20	Maximum Voltage	0.0429	
20	Normal Voltage	0.0125	
20	Battery End Point	0.0055	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0144	PASS
40	Normal Voltage	0.0125	
30	Normal Voltage	0.0188	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0241	
0	Normal Voltage	0.0175	
-10	Normal Voltage	0.0282	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0177	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0032	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0095	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0189	
-20	Normal Voltage	0.0158	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0046	
20	Battery End Point	0.0122	

**Note:**

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.6.; 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 :	Wenbo Xiao	Temperature :	22~25°C
		Relative Humidity :	48~52%

Sample 1

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	-61.79	-13	-48.79	-71.75	-65.04	4.00	9.40	H
	2509.2	-46.50	-13	-33.50	-60.90	-50.07	4.88	10.60	H
	3345.6	-62.63	-13	-49.63	-78.62	-67.56	5.52	12.60	H
	1672.8	-62.32	-13	-49.32	-71.73	-65.57	4.00	9.40	V
	2509.2	-34.61	-13	-21.61	-48.97	-38.18	4.88	10.60	V
	3345.6	-63.01	-13	-50.01	-78.73	-67.94	5.52	12.60	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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-60.23	-13	-47.23	-70.19	-63.48	4.00	9.40	H
	2509.2	-52.40	-13	-39.40	-66.80	-55.97	4.88	10.60	H
	3345.6	-62.53	-13	-49.53	-78.52	-67.46	5.52	12.60	H
	1672.8	-59.61	-13	-46.61	-69.02	-62.86	4.00	9.40	V
	2509.2	-53.50	-13	-40.50	-67.86	-57.07	4.88	10.60	V
	3345.6	-62.86	-13	-49.86	-78.58	-67.79	5.52	12.60	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	-61.29	-13	-48.29	-79.92	-68.04	5.85	12.60	H
	5640	-58.52	-13	-45.52	-81.78	-64.32	7.30	13.10	H
	7520	-54.77	-13	-41.77	-81.58	-57.92	8.35	11.50	H
	3760	-61.26	-13	-48.26	-79.82	-68.01	5.85	12.60	V
	5640	-59.25	-13	-46.25	-81.76	-65.05	7.30	13.10	V
	7520	-54.95	-13	-41.95	-81.74	-58.10	8.35	11.50	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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-61.11	-13	-48.11	-79.74	-67.86	5.85	12.60	H
	5640	-58.66	-13	-45.66	-81.92	-64.46	7.30	13.10	H
	7520	-54.99	-13	-41.99	-81.80	-58.14	8.35	11.50	H
	3760	-61.31	-13	-48.31	-79.87	-68.06	5.85	12.60	V
	5640	-59.45	-13	-46.45	-81.96	-65.25	7.30	13.10	V
	7520	-54.86	-13	-41.86	-81.65	-58.01	8.35	11.50	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	-63.33	-13	-50.33	-73.29	-66.58	4.00	9.40	H
	2509.2	-60.79	-13	-47.79	-75.19	-64.36	4.88	10.60	H
	3345.6	-62.11	-13	-49.11	-78.10	-67.04	5.52	12.60	H
	1672.8	-61.93	-13	-48.93	-71.34	-65.18	4.00	9.40	V
	2509.2	-59.05	-13	-46.05	-73.41	-62.62	4.88	10.60	V
	3345.6	-62.43	-13	-49.43	-78.15	-67.36	5.52	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	-61.20	-13	-48.20	-79.83	-67.95	5.85	12.60	H
	5640	-58.69	-13	-45.69	-81.95	-64.49	7.30	13.10	H
	7520	-54.83	-13	-41.83	-81.64	-57.98	8.35	11.50	H
	3760	-58.59	-13	-45.59	-77.15	-65.34	5.85	12.60	V
	5640	-59.01	-13	-46.01	-81.52	-64.81	7.30	13.10	V
	7520	-54.91	-13	-41.91	-81.7	-58.06	8.35	11.50	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 )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465.2	-60.54	-13	-47.54	-77.44	-67.39	5.65	12.50	H
	5197.8	-60.54	-13	-47.54	-82.31	-66.21	7.13	12.80	H
	6930.4	-56.28	-13	-43.28	-82.08	-59.68	8.40	11.80	H
	3465.2	-55.92	-13	-42.92	-72.84	-62.77	5.65	12.50	V
	5197.8	-60.01	-13	-47.01	-82.09	-65.68	7.13	12.80	V
	6930.4	-55.70	-13	-42.70	-81.97	-59.10	8.40	11.80	V

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



Sample 2

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	-52.10	-13	-39.10	-62.06	-55.35	4.00	9.40	H
	2509.2	-41.67	-13	-28.67	-56.07	-45.24	4.88	10.60	H
	3345.6	-62.80	-13	-49.80	-78.79	-67.73	5.52	12.60	H
	1672.8	-50.06	-13	-37.06	-59.47	-53.31	4.00	9.40	V
	2509.2	-41.79	-13	-28.79	-56.15	-45.36	4.88	10.60	V
	3345.6	-62.79	-13	-49.79	-78.51	-67.72	5.52	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	-58.48	-13	-45.48	-77.11	-65.23	5.85	12.60	H
	5640	-54.83	-13	-41.83	-78.09	-60.63	7.30	13.10	H
	7520	-55.23	-13	-42.23	-82.04	-58.38	8.35	11.50	H
	3760	-56.91	-13	-43.91	-75.47	-63.66	5.85	12.60	V
	5640	-55.31	-13	-42.31	-77.82	-61.11	7.30	13.10	V
	7520	-55.00	-13	-42.00	-81.79	-58.15	8.35	11.50	V

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