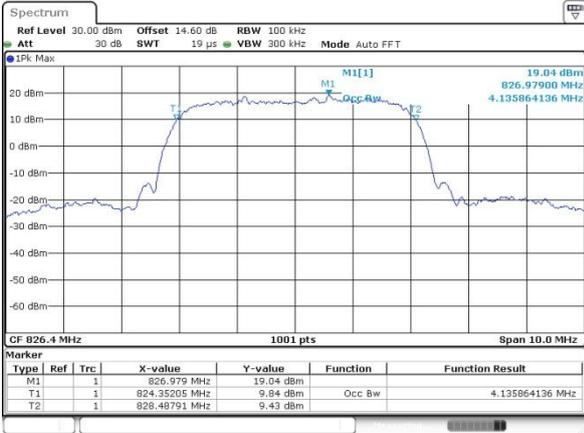




WCDMA Band V (RMC 12.2Kbps)

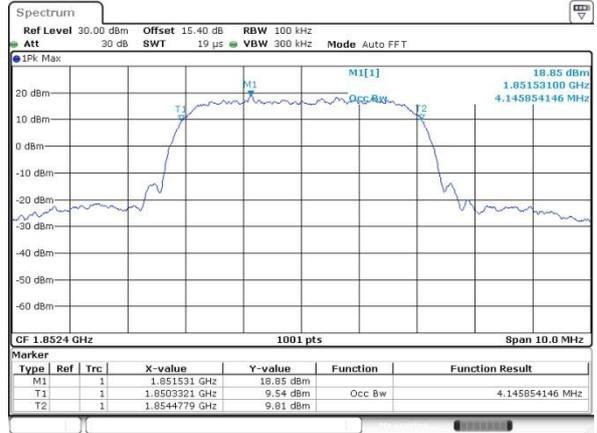
Lowest Channel



Date: 7.MAY.2025 19:49:10

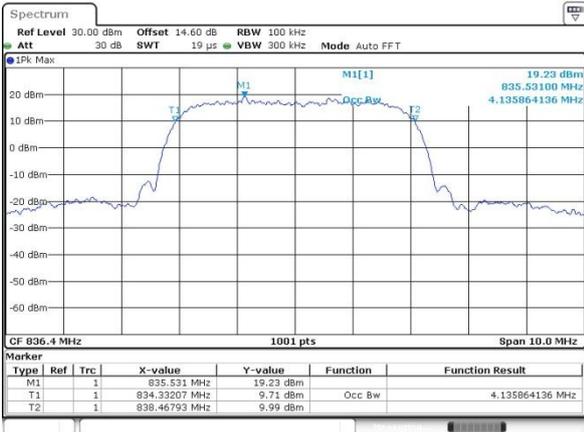
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



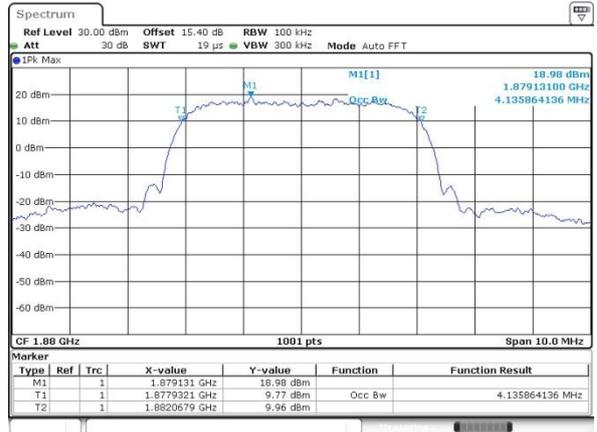
Date: 7.MAY.2025 20:21:45

Middle Channel



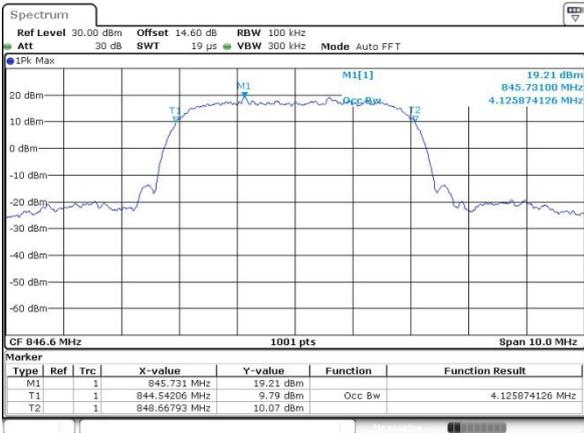
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Middle Channel



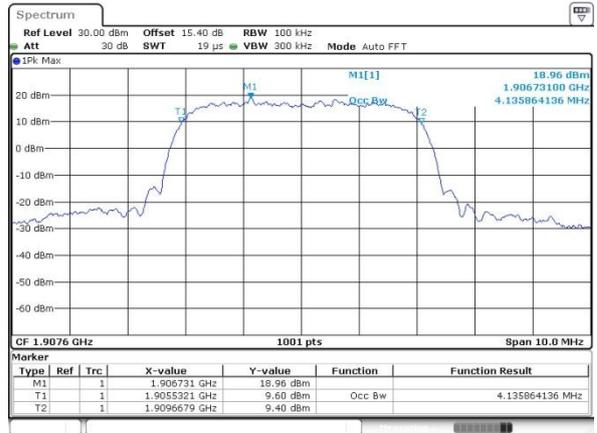
Date: 7.MAY.2025 20:22:20

Highest Channel



Date: 7.MAY.2025 19:50:06

Highest Channel



Date: 7.MAY.2025 20:22:48



# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge



### Highest Band Edge



## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge

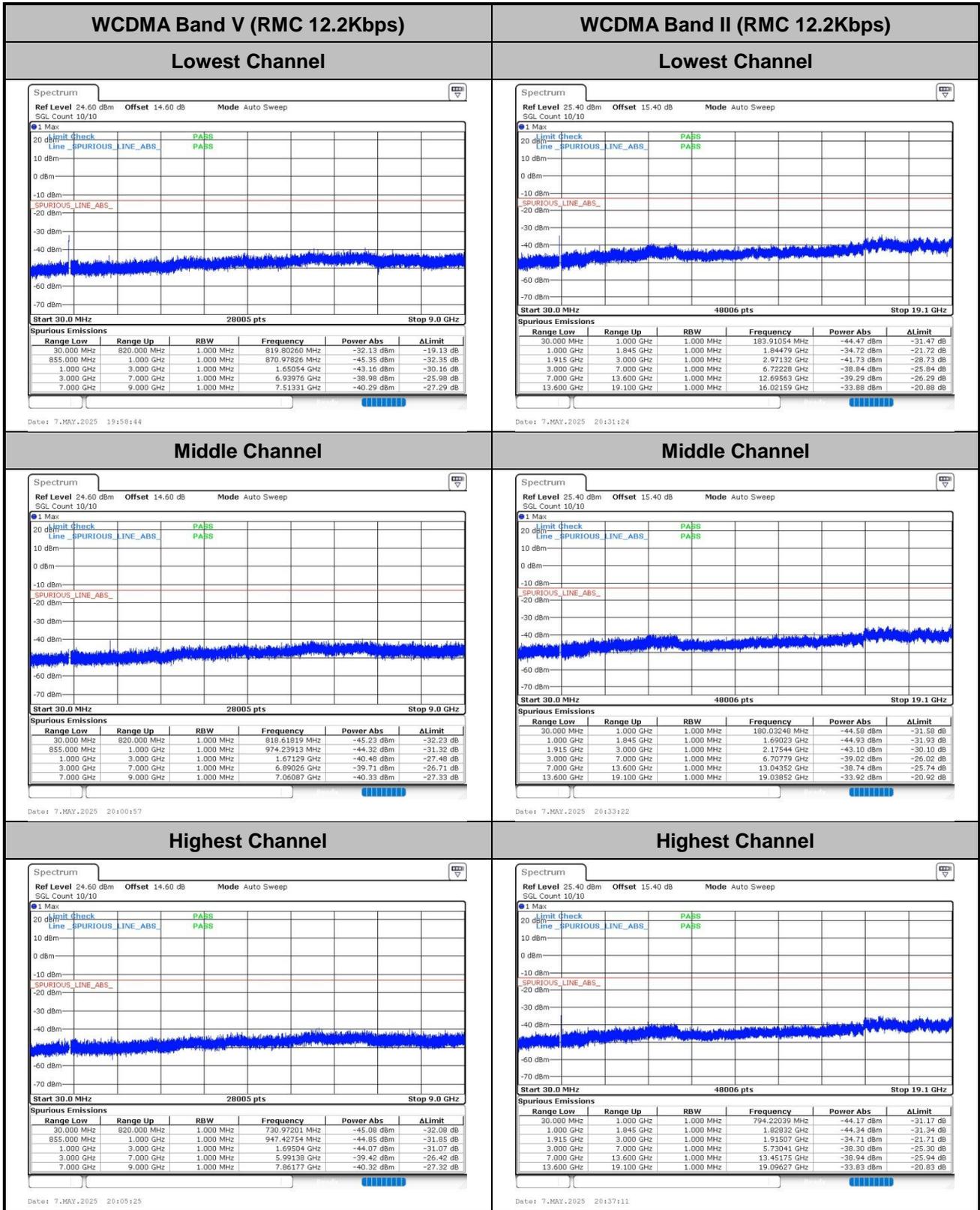


### Highest Band Edge





# Conducted Spurious Emission





### 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	0.0026	PASS
40	Normal Voltage	0.0421	
30	Normal Voltage	0.0410	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0095	
0	Normal Voltage	0.0251	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0261	
-30	Normal Voltage	0.0385	
20	Maximum Voltage	0.0274	
20	Normal Voltage	0.0165	
20	Battery End Point	0.0185	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0285	PASS
40	Normal Voltage	0.0412	
30	Normal Voltage	0.0352	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0285	
0	Normal Voltage	0.0195	
-10	Normal Voltage	0.0385	
-20	Normal Voltage	0.0174	
-30	Normal Voltage	0.0296	
20	Maximum Voltage	0.0185	
20	Normal Voltage	0.0160	
20	Battery End Point	0.0289	

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V
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 :	Jake	Temperature :	22~25°C
		Relative Humidity :	50~53%

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	-40.34	-13	-27.34	-47.31	1.58	10.70	H
	2512	-42.56	-13	-29.56	-50.81	2.102	12.50	H
	3344	-58.32	-13	-45.32	-67.21	2.856	13.90	H
	1672	-46.25	-13	-33.25	-53.22	1.58	10.70	V
	2512	-48.53	-13	-35.53	-56.78	2.10	12.50	V
	3344	-58.32	-13	-45.32	-67.21	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	-44.84	-13	-31.84	-51.81	1.58	10.70	H
	2512	-44.12	-13	-31.12	-52.37	2.102	12.50	H
	3344	-58.49	-13	-45.49	-67.38	2.856	13.90	H
	1672	-50.08	-13	-37.08	-57.05	1.58	10.70	V
	2512	-49.62	-13	-36.62	-57.87	2.10	12.50	V
	3344	-58.06	-13	-45.06	-66.95	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	-56.21	-13	-43.21	-68.47	2.64	14.90	H
	5640	-54.97	-13	-41.97	-66.83	2.94	14.80	H
	7515	-53.08	-13	-40.08	-62.85	3.39	13.16	H
	3765	-55.74	-13	-42.74	-68.00	2.64	14.90	V
	5640	-56.04	-13	-43.04	-67.90	2.94	14.80	V
	7515	-52.75	-13	-39.75	-62.52	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	-56.35	-13	-43.35	-68.61	2.64	14.90	H
	5640	-55.35	-13	-42.35	-67.21	2.94	14.80	H
	7515	-52.68	-13	-39.68	-62.45	3.39	13.16	H
	3765	-56.00	-13	-43.00	-68.26	2.64	14.90	V
	5640	-55.76	-13	-42.76	-67.62	2.94	14.80	V
	7515	-53.01	-13	-40.01	-62.78	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 )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-52.90	-13	-39.90	-59.87	1.58	10.70	H
	2512	-58.06	-13	-45.06	-66.31	2.102	12.50	H
	3344	-58.36	-13	-45.36	-67.25	2.856	13.90	H
	1672	-54.83	-13	-41.83	-61.80	1.58	10.70	V
	2512	-56.59	-13	-43.59	-64.84	2.10	12.50	V
	3344	-58.67	-13	-45.67	-67.56	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	-56.61	-13	-43.61	-68.87	2.64	14.90	H
	5640	-55.56	-13	-42.56	-67.42	2.94	14.80	H
	7515	-53.05	-13	-40.05	-62.82	3.39	13.16	H
	3765	-56.27	-13	-43.27	-68.53	2.64	14.90	V
	5640	-55.33	-13	-42.33	-67.19	2.94	14.80	V
	7515	-53.05	-13	-40.05	-62.82	3.39	13.16	V

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