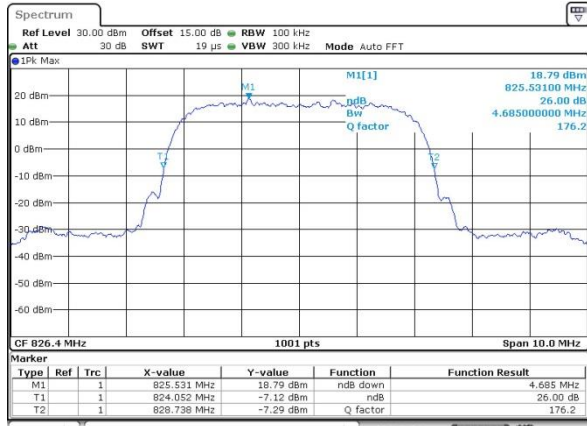




WCDMA Band V (RMC 12.2Kbps)

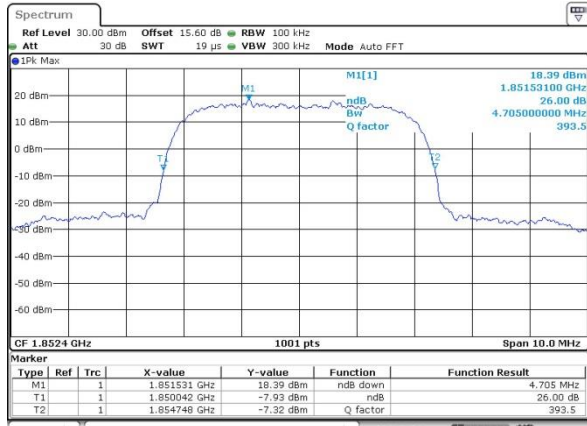
Lowest Channel



Date: 8.MAR.2024 21:40:08

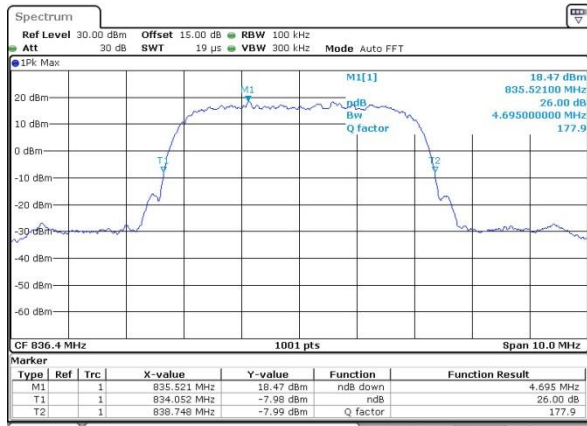
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



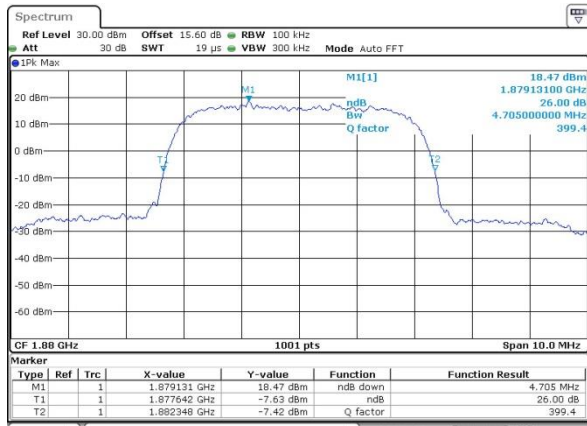
Date: 8.MAR.2024 22:15:39

Middle Channel



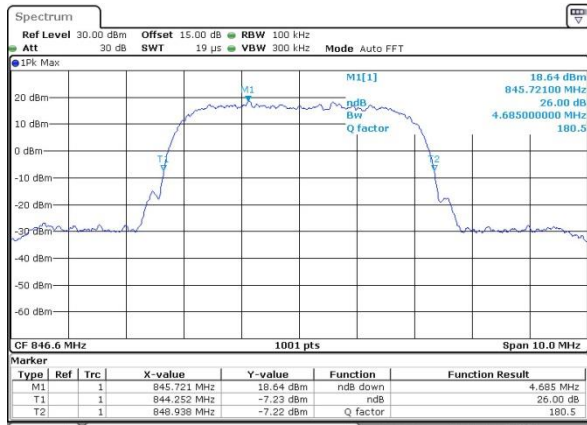
Date: 8.MAR.2024 21:41:11

Middle Channel



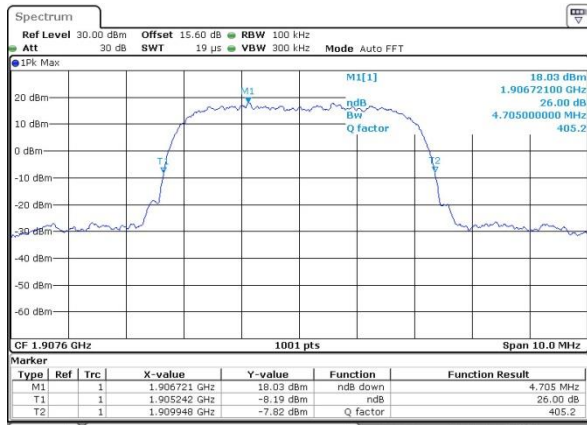
Date: 8.MAR.2024 22:16:00

Highest Channel

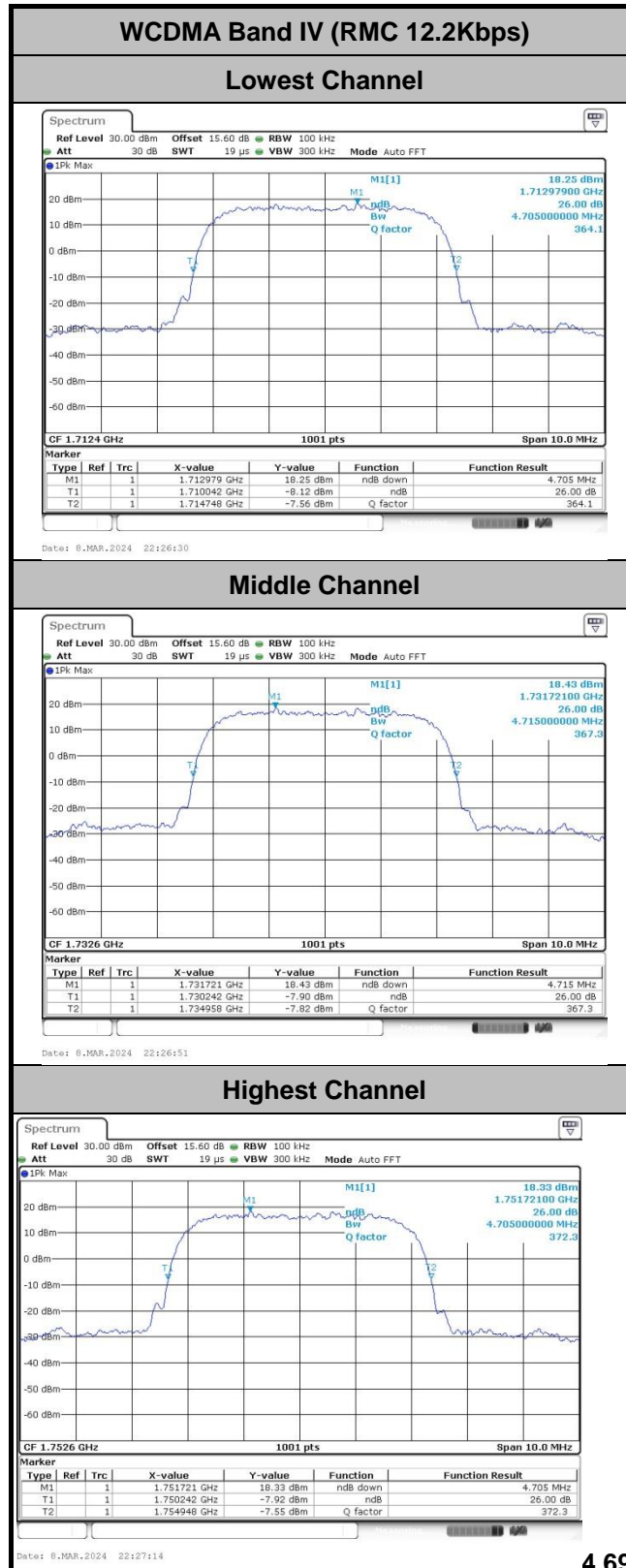


Date: 8.MAR.2024 21:41:39

Highest Channel



Date: 8.MAR.2024 22:16:23





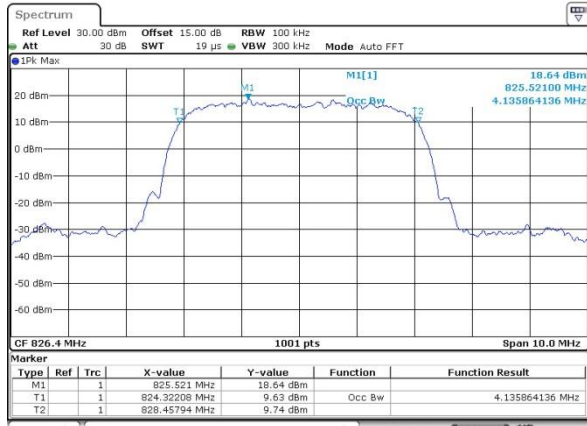
### Occupied Bandwidth

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	4.146
Middle CH	4.136	4.146	4.146
Highest CH	4.136	4.136	4.146



WCDMA Band V (RMC 12.2Kbps)

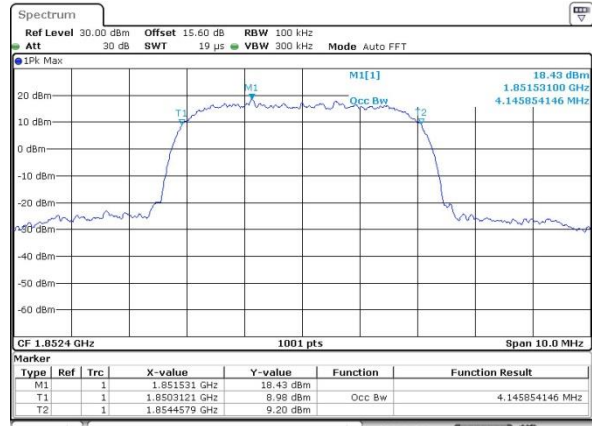
Lowest Channel



Date: 8.MAR.2024 21:44:35

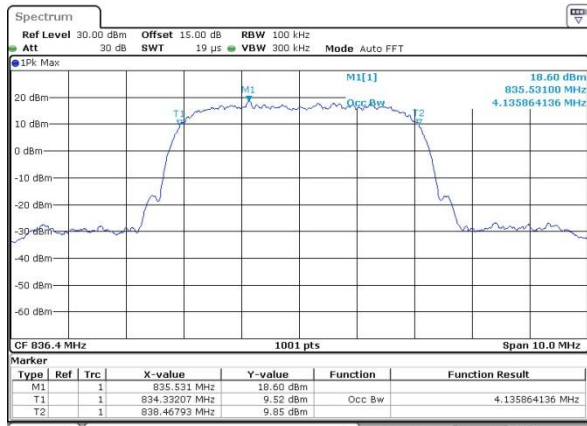
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



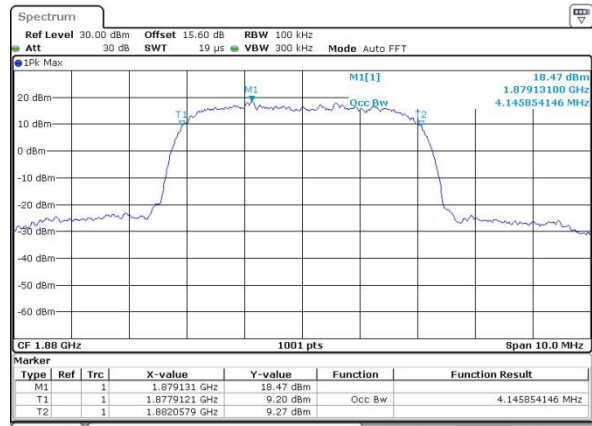
Date: 8.MAR.2024 22:18:13

Middle Channel



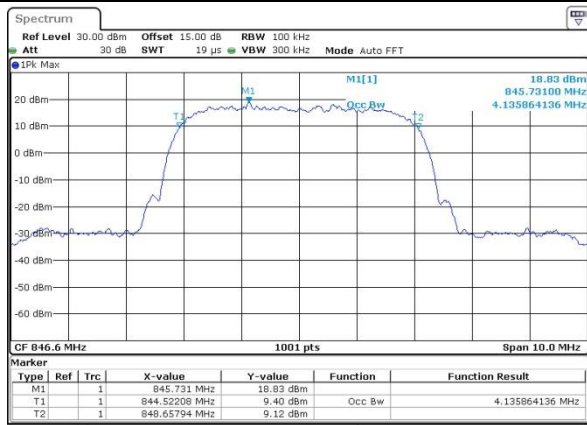
Date: 8.MAR.2024 21:45:31

Middle Channel



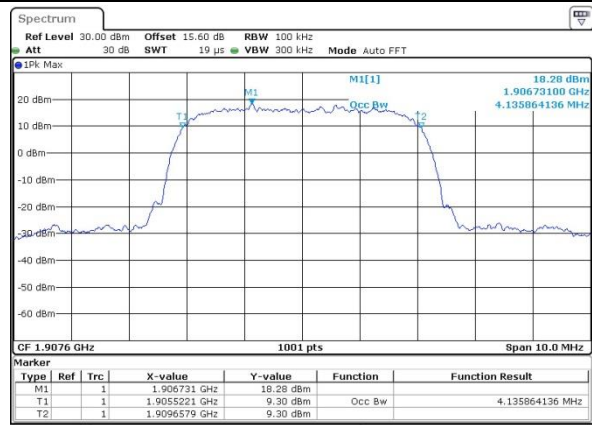
Date: 8.MAR.2024 22:19:37

Highest Channel

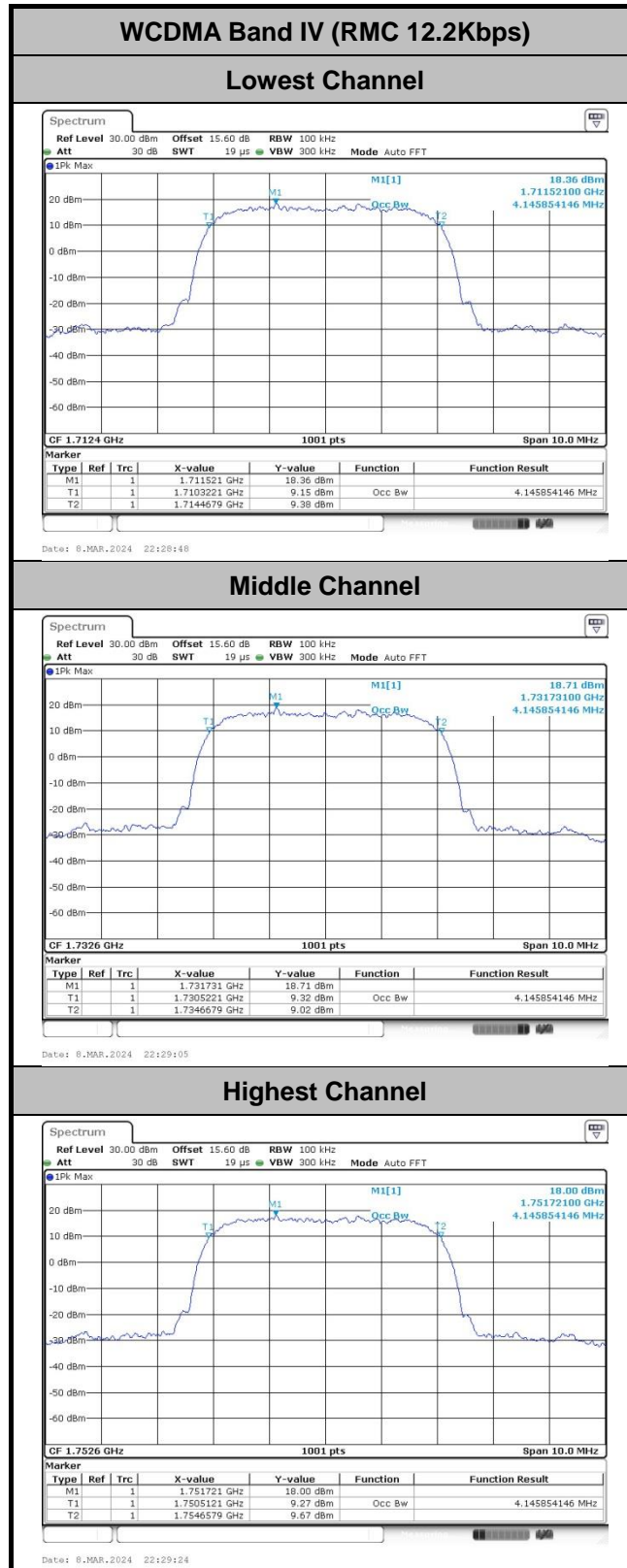


Date: 8.MAR.2024 21:46:19

Highest Channel



Date: 8.MAR.2024 22:19:09

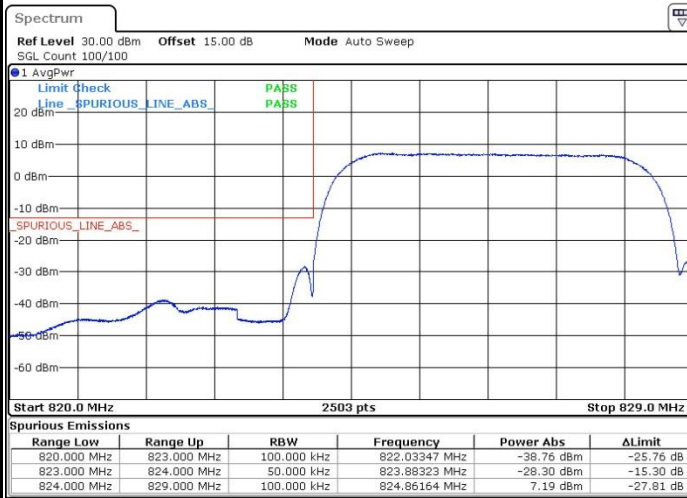




# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge



### Highest Band Edge



## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



### Highest Band Edge

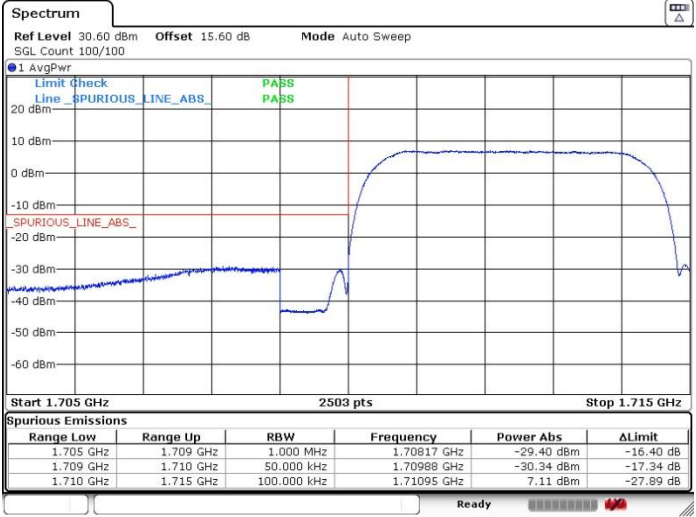




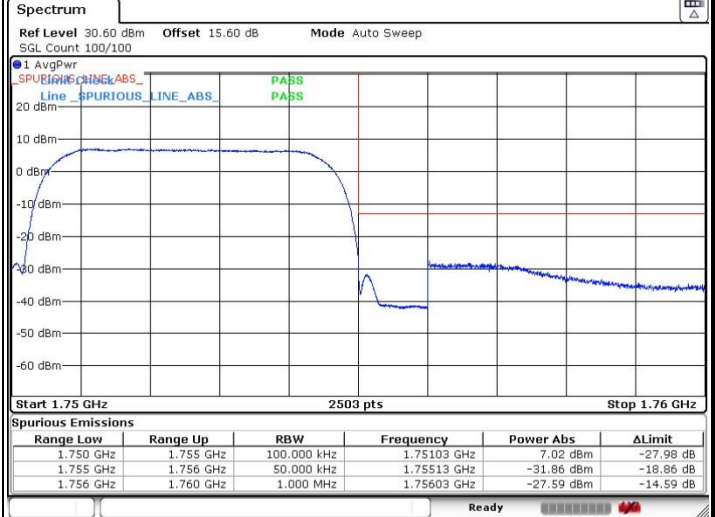
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



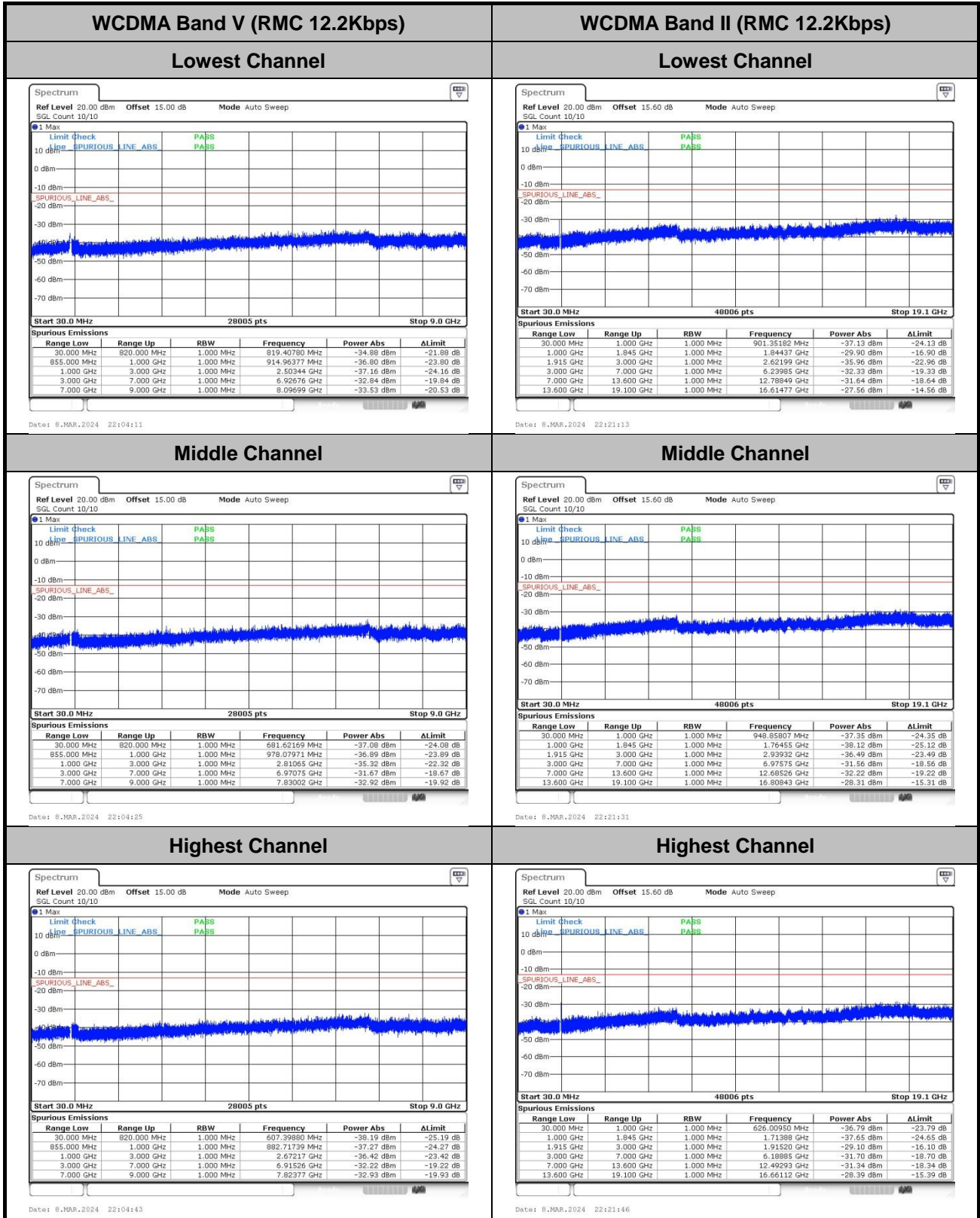
Date: 8.MAR.2024 22:39:18



Date: 8.MAR.2024 22:40:12



# Conducted Spurious Emission

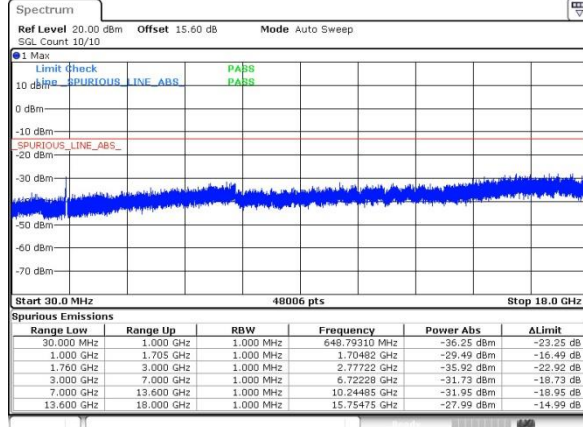






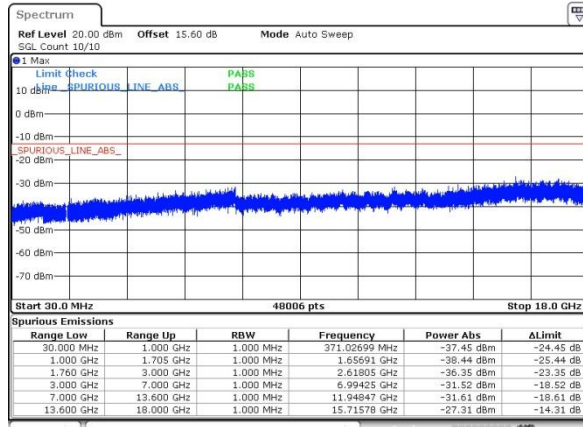
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



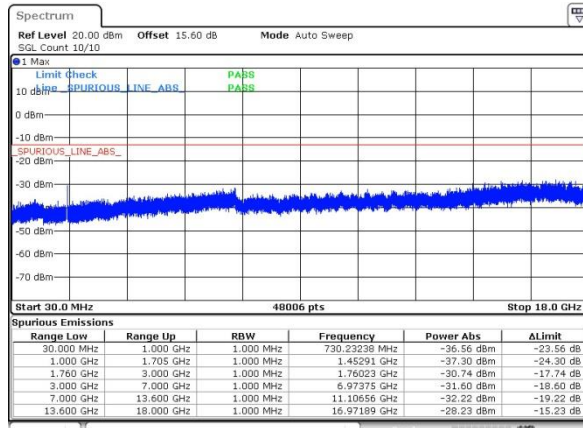
Date: 8.MAR.2024 22:34:07

#### Middle Channel



Date: 8.MAR.2024 22:34:23

#### Highest Channel



Date: 8.MAR.2024 22:34:38



### 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	0.0058	PASS
40	Normal Voltage	0.0377	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0344	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0176	
20	Battery End Point	0.0063	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0169	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0144	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0136	
-10	Normal Voltage	0.0247	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0019	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0146	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0118	

**Note:**

1. Normal Voltage = 3.88V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48V
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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst results are recorded in the report.

GSM850 (GSM) / ANT0								
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	-66.01	-13	-53.01	-72.98	1.58	10.70	H
	2512	-61.30	-13	-48.30	-69.55	2.102	12.50	H
	3344	-61.93	-13	-48.93	-70.82	2.856	13.90	H
	1672	-63.94	-13	-50.94	-70.91	1.58	10.70	V
	2512	-60.17	-13	-47.17	-68.42	2.10	12.50	V
	3344	-61.61	-13	-48.61	-70.50	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	-60.44	-13	-47.44	-67.41	1.58	10.70	H
	2512	-60.26	-13	-47.26	-68.51	2.102	12.50	H
	3344	-61.20	-13	-48.20	-70.09	2.856	13.90	H
	1672	-64.40	-13	-51.40	-71.37	1.58	10.70	V
	2512	-60.15	-13	-47.15	-68.40	2.10	12.50	V
	3344	-60.99	-13	-47.99	-69.88	2.86	13.90	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	-65.29	-13	-52.29	-72.26	1.58	10.70	H
	2512	-60.61	-13	-47.61	-68.86	2.102	12.50	H
	3344	-61.39	-13	-48.39	-70.28	2.856	13.90	H
	1672	-63.92	-13	-50.92	-70.89	1.58	10.70	V
	2512	-60.09	-13	-47.09	-68.34	2.10	12.50	V
	3344	-61.37	-13	-48.37	-70.26	2.86	13.90	V

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



GSM1900 (GSM) / ANT2								
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	3765	-56.23	-13	-43.23	-68.49	2.64	14.90	H
	5640	-54.38	-13	-41.38	-66.24	2.94	14.80	H
	7515	-52.88	-13	-39.88	-62.65	3.39	13.16	H
	3765	-55.89	-13	-42.89	-68.15	2.64	14.90	V
	5640	-55.06	-13	-42.06	-66.92	2.94	14.80	V
	7515	-53.11	-13	-40.11	-62.88	3.39	13.16	V

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

GSM1900 (EDGE 1 Tx slots) /ANT2								
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	3765	-56.02	-13	-43.02	-68.28	2.64	14.90	H
	5640	-53.69	-13	-40.69	-65.55	2.94	14.80	H
	7515	-52.82	-13	-39.82	-62.59	3.39	13.16	H
	3765	-55.99	-13	-42.99	-68.25	2.64	14.90	V
	5640	-54.19	-13	-41.19	-66.05	2.94	14.80	V
	7515	-52.91	-13	-39.91	-62.68	3.39	13.16	V

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

WCDMA Band II(RMC 12.2Kbps) / ANT2								
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	3765	-56.12	-13	-43.12	-68.38	2.64	14.90	H
	5640	-54.60	-13	-41.60	-66.46	2.94	14.80	H
	7515	-52.80	-13	-39.80	-62.57	3.39	13.16	H
	3765	-55.84	-13	-42.84	-68.10	2.64	14.90	V
	5640	-54.90	-13	-41.90	-66.76	2.94	14.80	V
	7515	-53.02	-13	-40.02	-62.79	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) / ANT2								
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	3465	-58.07	-13	-45.07	-68.81	2.604	13.34	H
	5205	-53.21	-13	-40.21	-63.72	3.011	13.52	H
	6930	-54.46	-13	-41.46	-64.66	3.271	13.47	H
	3465	-58.20	-13	-45.20	-68.94	2.604	13.34	V
	5205	-53.40	-13	-40.40	-63.91	3.011	13.52	V
	6930	-54.50	-13	-41.50	-64.70	3.271	13.47	V

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