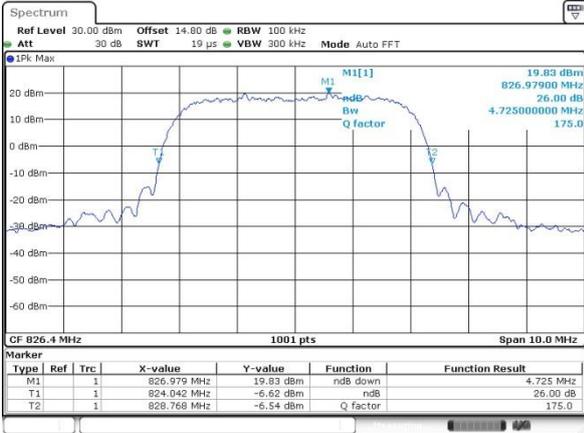




WCDMA Band V (RMC 12.2Kbps)

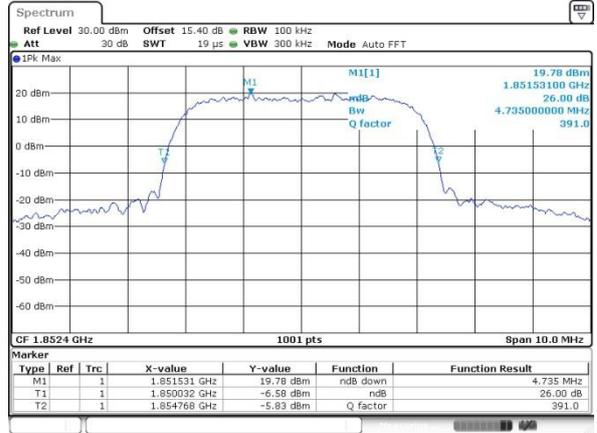
Lowest Channel



Date: 6 NOV 2022 10:06:02

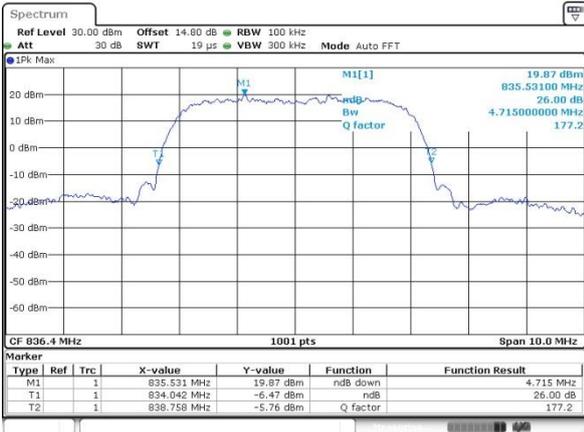
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



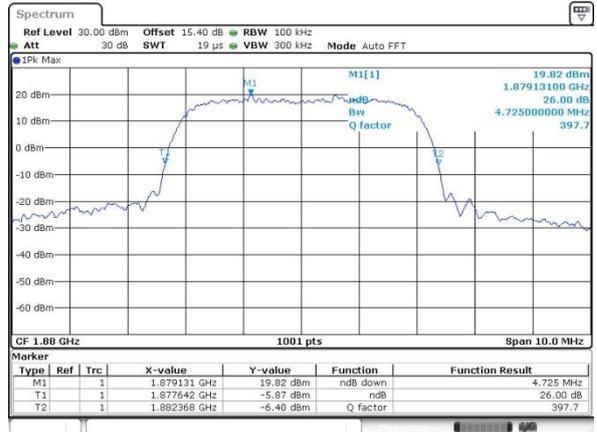
Date: 6 NOV 2022 09:25:36

Middle Channel



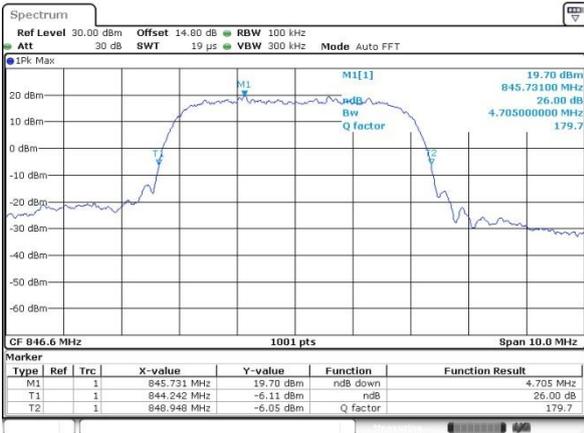
Date: 6 NOV 2022 10:06:27

Middle Channel



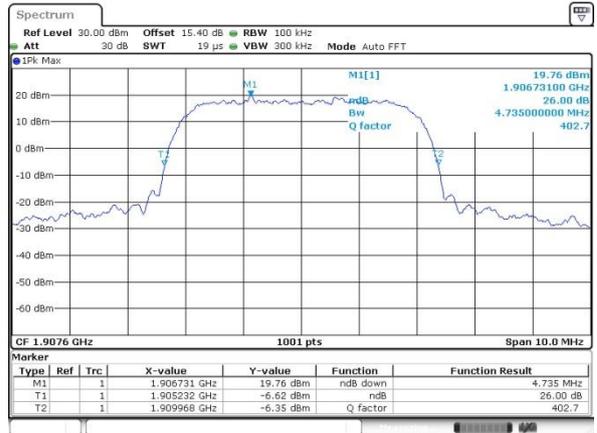
Date: 6 NOV 2022 09:26:04

Highest Channel

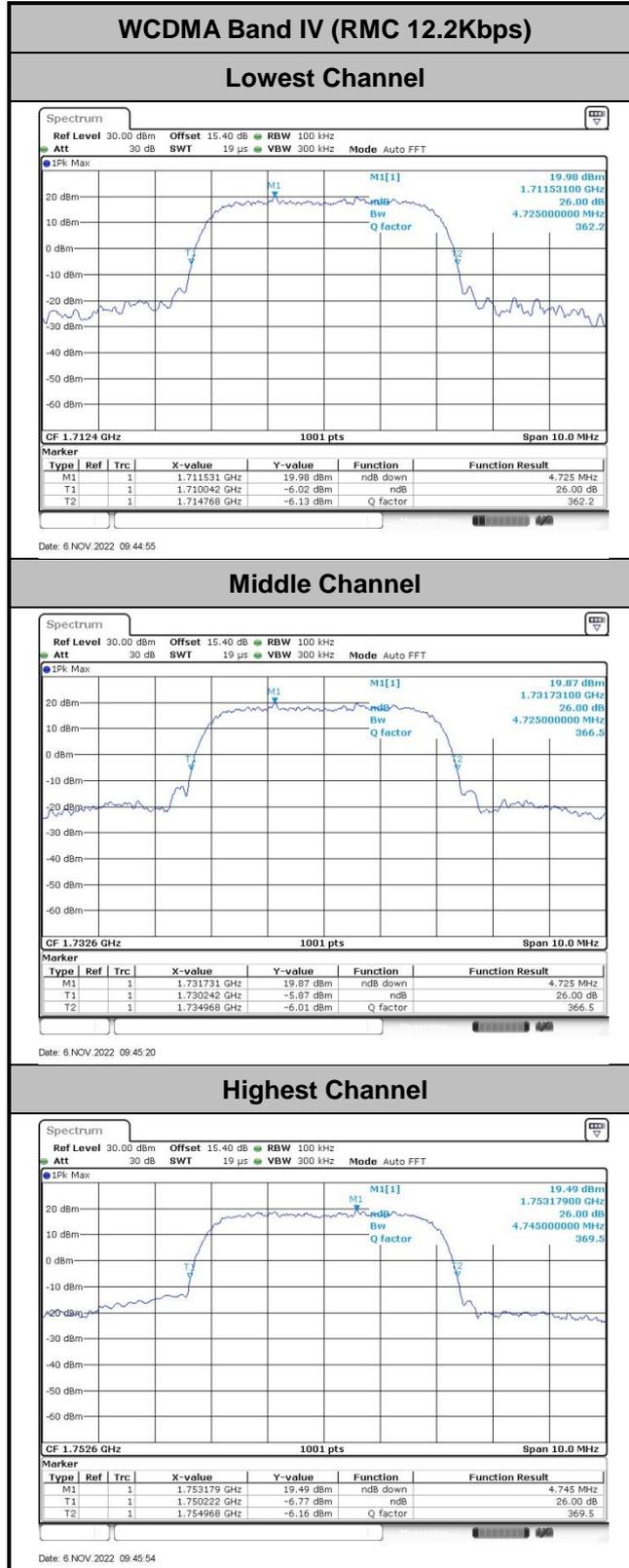


Date: 6 NOV 2022 10:07:17

Highest Channel



Date: 6 NOV 2022 09:26:38





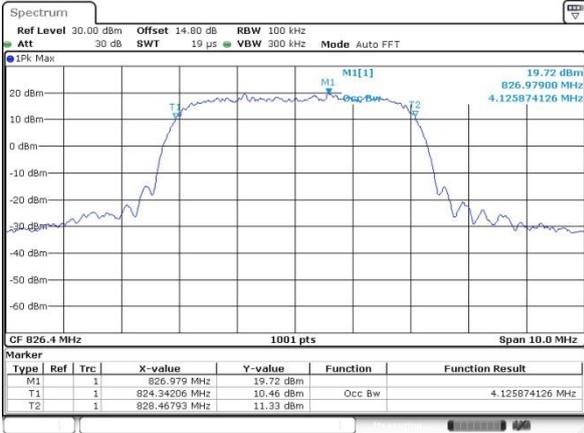
### Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.146	4.156
Middle CH	4.136	4.146	4.146
Highest CH	4.126	4.146	4.146



WCDMA Band V (RMC 12.2Kbps)

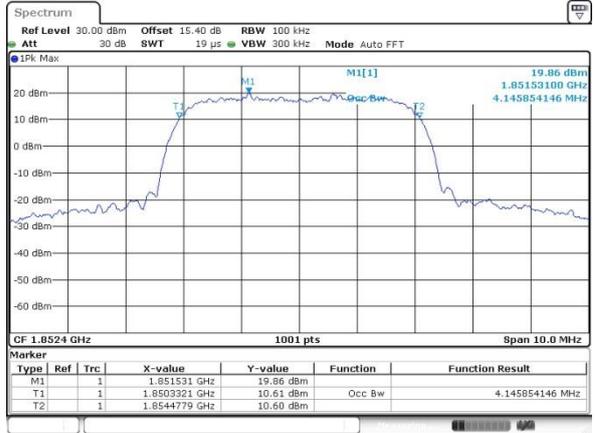
Lowest Channel



Date: 6 NOV 2022 10:08:16

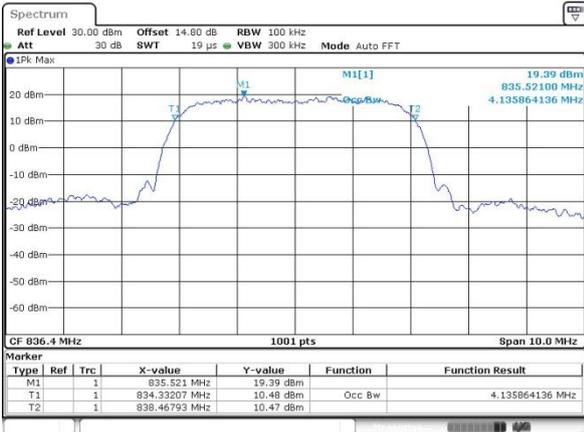
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



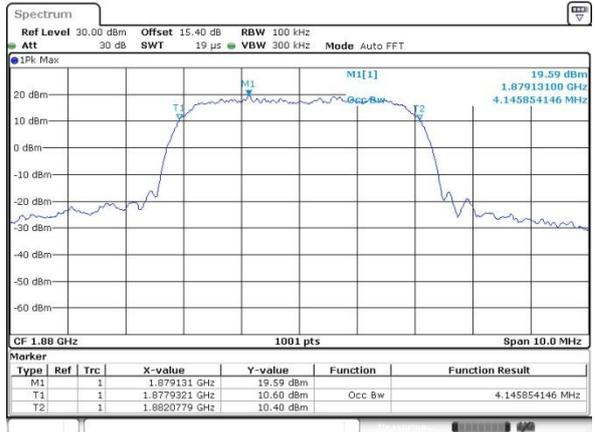
Date: 6 NOV 2022 09:27:22

Middle Channel



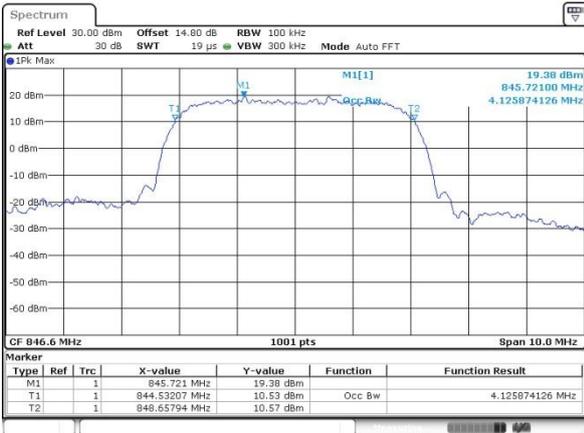
Date: 6 NOV 2022 10:08:39

Middle Channel



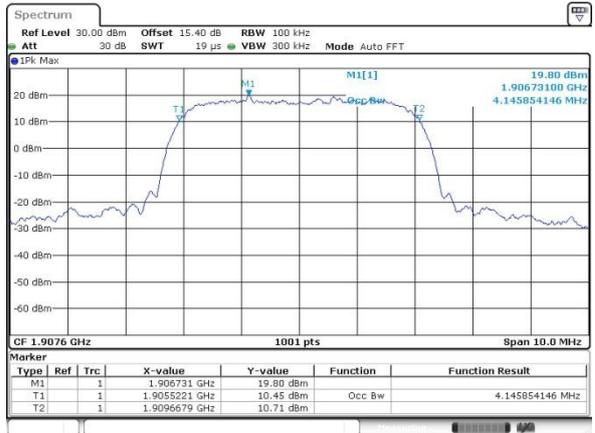
Date: 6 NOV 2022 09:27:48

Highest Channel

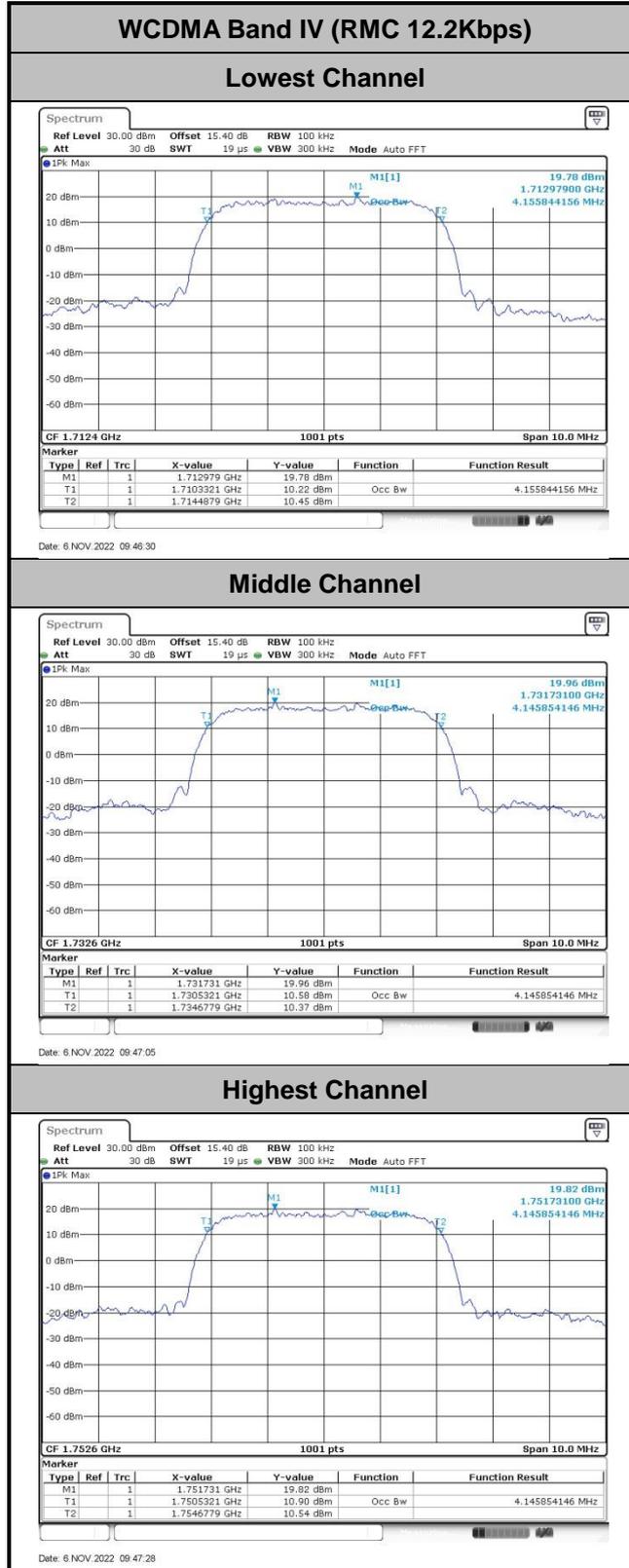


Date: 6 NOV 2022 10:09:02

Highest Channel



Date: 6 NOV 2022 09:28:12

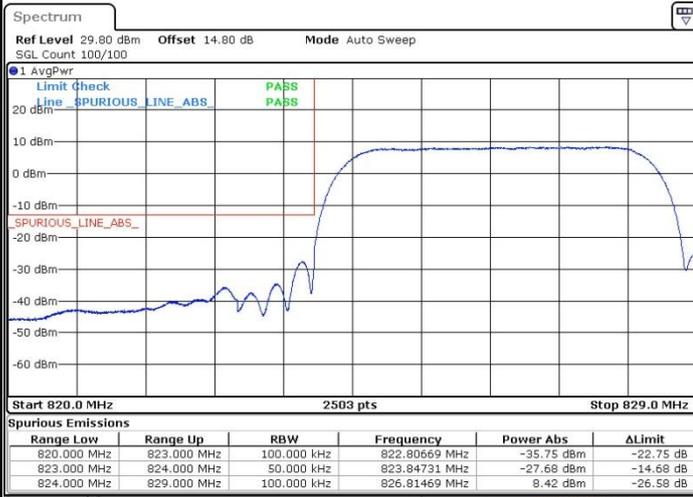




# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge



Date: 6 NOV 2022 10:10:51

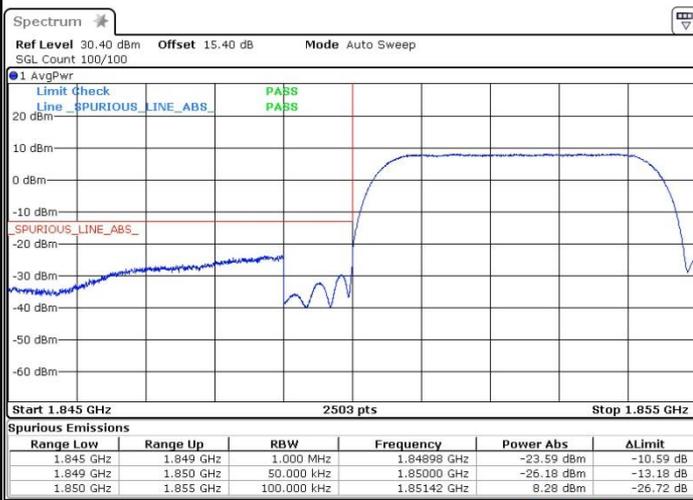
### Highest Band Edge



Date: 6 NOV 2022 10:12:24

## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



Date: 6 NOV 2022 09:30:11

### Highest Band Edge



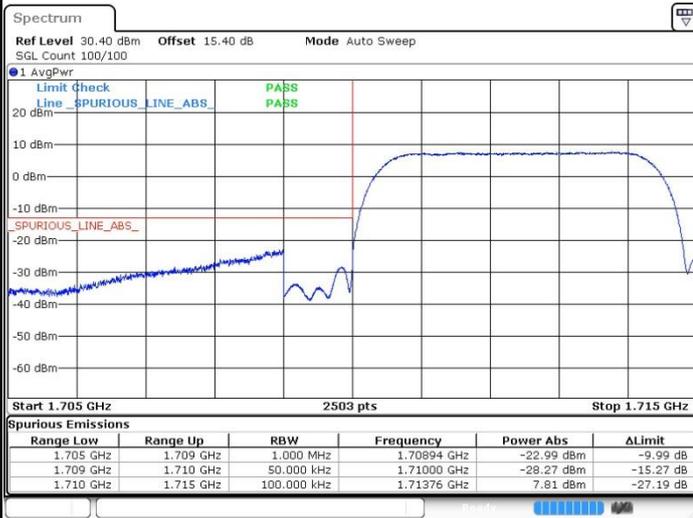
Date: 6 NOV 2022 09:31:45



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



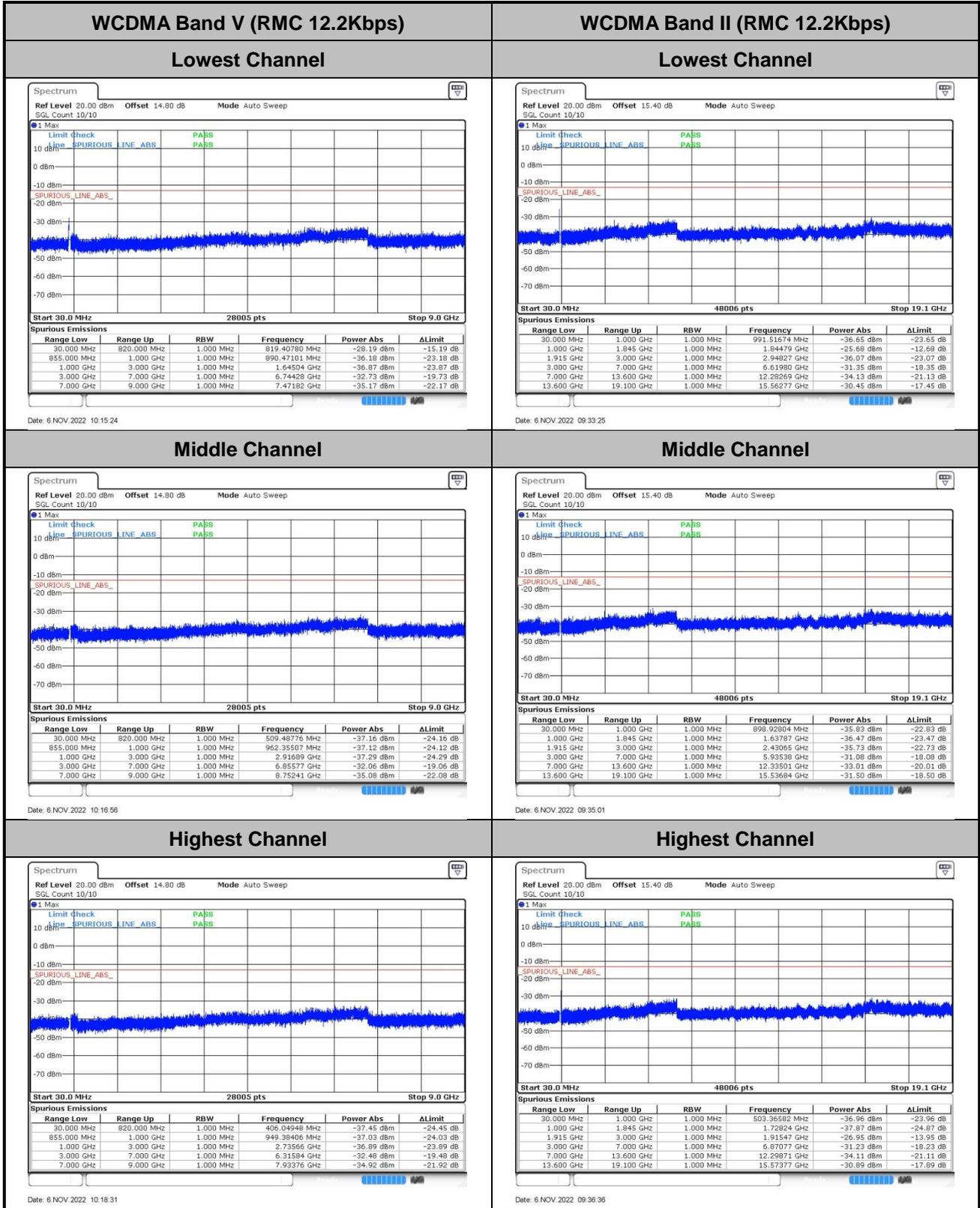
Date: 6 NOV.2022 09:49:56



Date: 6 NOV.2022 09:51:37



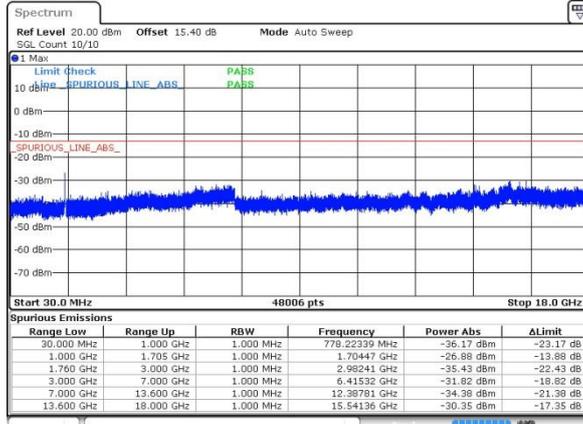
# Conducted Spurious Emission





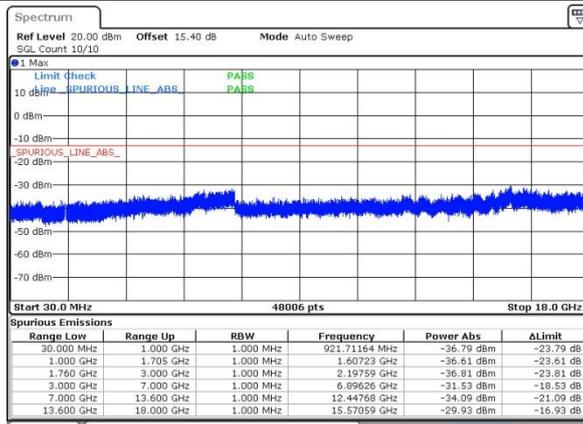
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



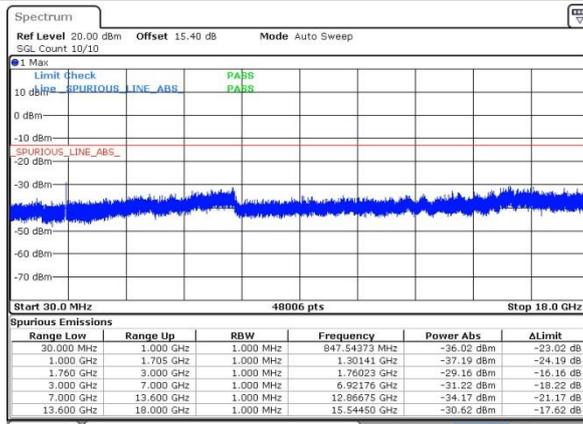
Date: 6 NOV 2022 09:56:06

Middle Channel



Date: 6 NOV 2022 09:58:37

Highest Channel



Date: 6 NOV 2022 10:00:28



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0050	PASS
40	Normal Voltage	0.0312	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0314	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0315	
-30	Normal Voltage	0.0311	
20	Maximum Voltage	0.0127	
20	Normal Voltage	0.0176	
20	Battery End Point	0.0063	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. 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 = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.25V
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

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	-53.82	-13	-40.82	-60.79	1.58	10.70	H
	2510	-47.20	-13	-34.20	-55.45	2.102	12.50	H
	3344	-60.35	-13	-47.35	-69.24	2.856	13.90	H
	1672	-42.98	-13	-29.98	-49.95	1.58	10.70	V
	2510	-46.87	-13	-33.87	-55.12	2.10	12.50	V
	3348	-60.76	-13	-47.76	-69.65	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	-64.76	-13	-51.76	-71.73	1.58	10.70	H
	2512	-60.14	-13	-47.14	-68.39	2.102	12.50	H
	3344	-60.50	-13	-47.50	-69.39	2.856	13.90	H
	1672	-62.41	-13	-49.41	-69.38	1.58	10.70	V
	2512	-59.64	-13	-46.64	-67.89	2.10	12.50	V
	3344	-60.06	-13	-47.06	-68.95	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	3759	-51.66	-13	-38.66	-63.92	2.641	14.90	H
	5640	-42.68	-13	-29.68	-54.54	2.94	14.80	H
	7524	-53.02	-13	-40.02	-62.79	3.39	13.16	H
	3759	-51.85	-13	-38.85	-64.11	2.64	14.90	V
	5640	-44.60	-13	-31.60	-56.46	2.94	14.80	V
	7524	-53.07	-13	-40.07	-62.84	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	3759	-54.65	-13	-41.65	-66.91	2.641	14.90	H
	5640	-46.62	-13	-33.62	-58.48	2.94	14.80	H
	7524	-51.01	-13	-38.01	-60.78	3.39	13.16	H
	3759	-50.87	-13	-37.87	-63.13	2.64	14.90	V
	5640	-45.59	-13	-32.59	-57.45	2.94	14.80	V
	7524	-51.06	-13	-38.06	-60.83	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	-65.91	-13	-52.91	-72.88	1.58	10.70	H
	2512	-60.84	-13	-47.84	-69.09	2.102	12.50	H
	3344	-60.56	-13	-47.56	-69.45	2.856	13.90	H
	1672	-65.21	-13	-52.21	-72.18	1.58	10.70	V
	2512	-60.27	-13	-47.27	-68.52	2.10	12.50	V
	3344	-60.56	-13	-47.56	-69.45	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	3759	-57.26	-13	-44.26	-69.52	2.64	14.90	H
	5640	-54.52	-13	-41.52	-66.38	2.94	14.80	H
	7524	-53.00	-13	-40.00	-62.77	3.39	13.16	H
	3759	-57.38	-13	-44.38	-69.64	2.64	14.90	V
	5640	-54.94	-13	-41.94	-66.80	2.94	14.80	V
	7524	-52.85	-13	-39.85	-62.62	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	-58.98	-13	-45.98	-69.72	2.604	13.34	H
	5196	-55.03	-13	-42.03	-65.54	3.011	13.52	H
	6936	-54.19	-13	-41.19	-64.39	3.271	13.47	H
	3465	-59.18	-13	-46.18	-69.92	2.604	13.34	V
	5196	-55.36	-13	-42.36	-65.87	3.011	13.52	V
	6936	-53.86	-13	-40.86	-64.06	3.271	13.47	V

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