

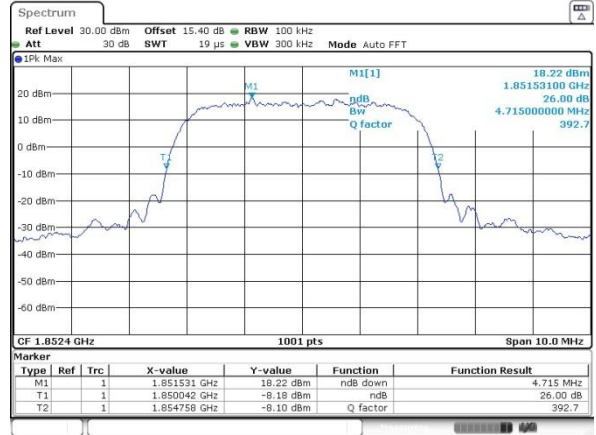
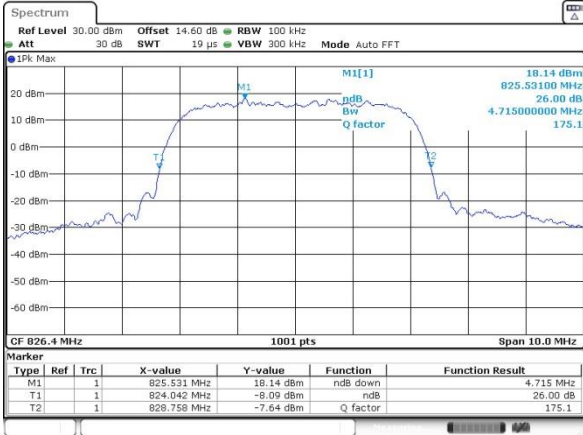


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

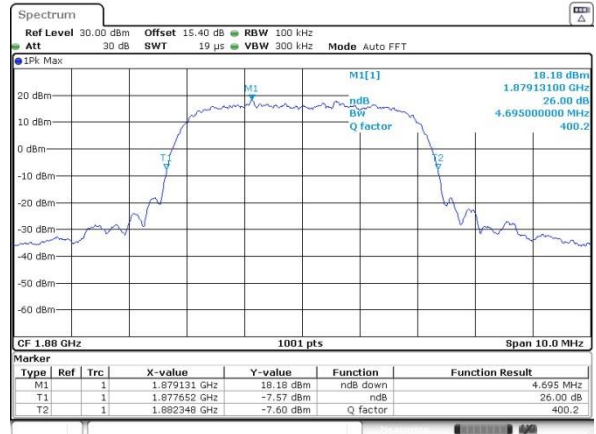
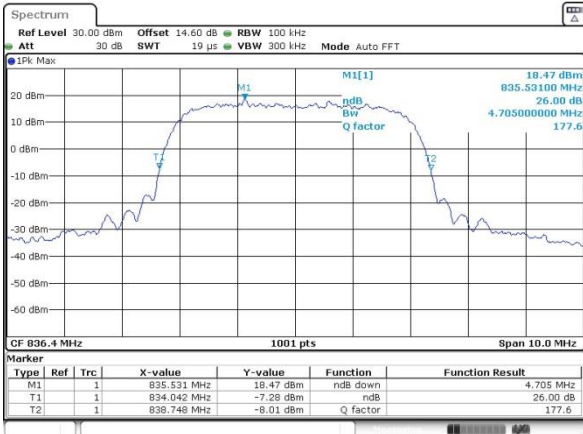


Date: 3.AUG.2023 10:15:25

Date: 3.AUG.2023 13:10:20

Middle Channel

Middle Channel

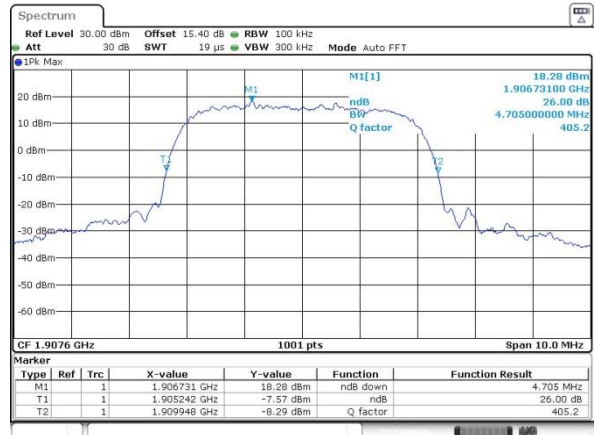
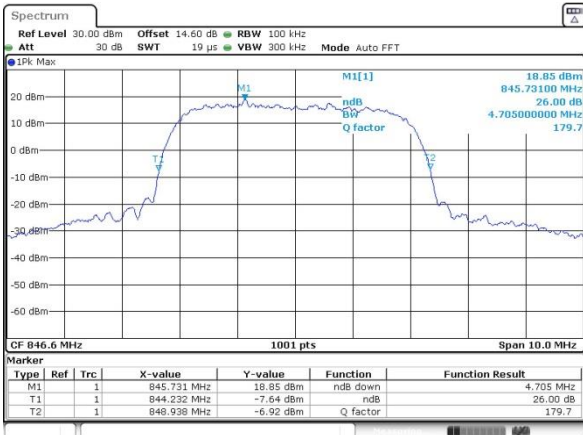


Date: 3.AUG.2023 10:15:00

Date: 3.AUG.2023 13:10:51

Highest Channel

Highest Channel



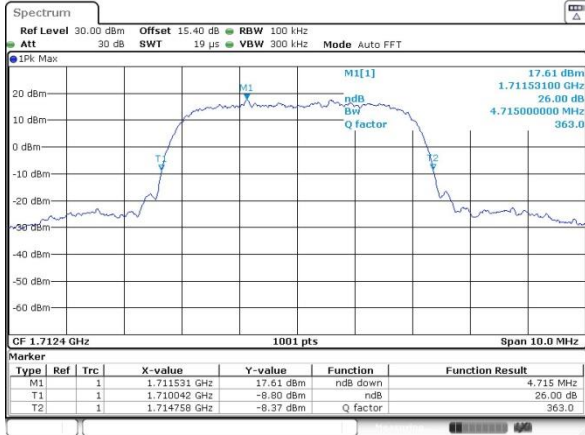
Date: 3.AUG.2023 10:15:39

Date: 3.AUG.2023 13:11:20



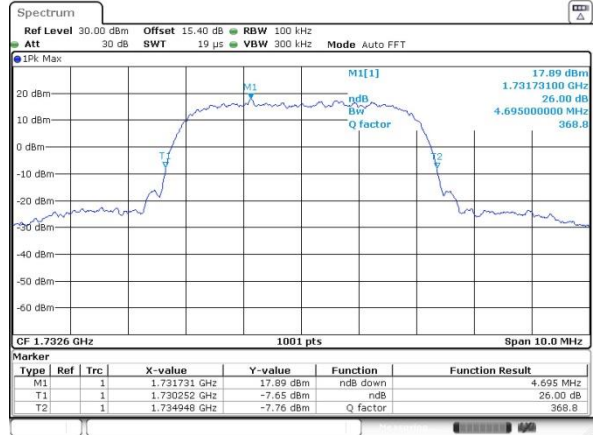
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



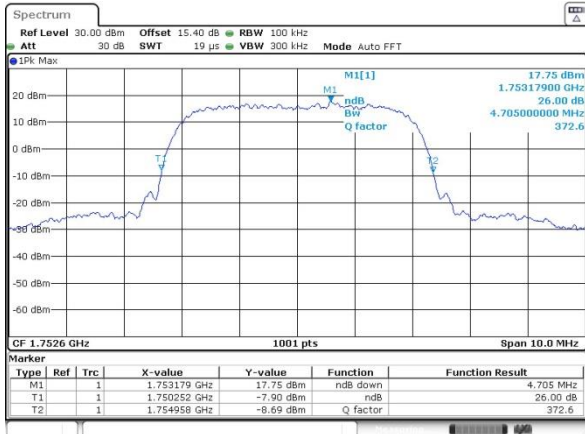
Date: 3.AUG.2023 11:32:48

Middle Channel



Date: 3.AUG.2023 11:33:34

Highest Channel



Date: 3.AUG.2023 11:34:02



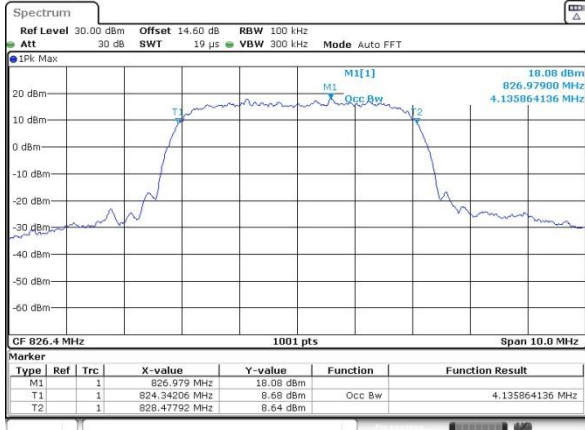
Occupied Bandwidth

Mode	WCDMA Band V (MHz)	WCDMA Band II (MHz)	WCDMA Band IV (MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.126	4.116
Middle CH	4.126	4.116	4.126
Highest CH	4.126	4.116	4.116



WCDMA Band V (RMC 12.2Kbps)

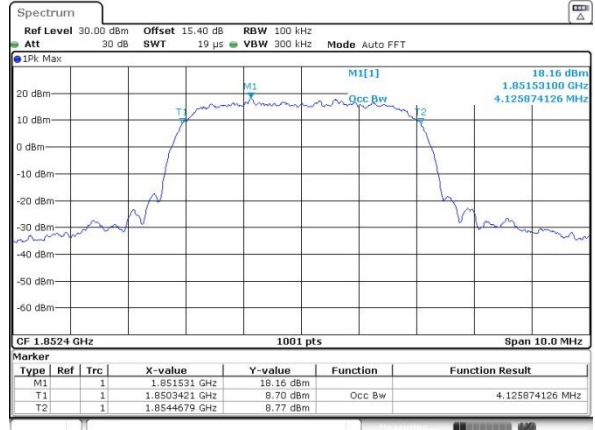
Lowest Channel



Date: 3.AUG.2023 10:59:53

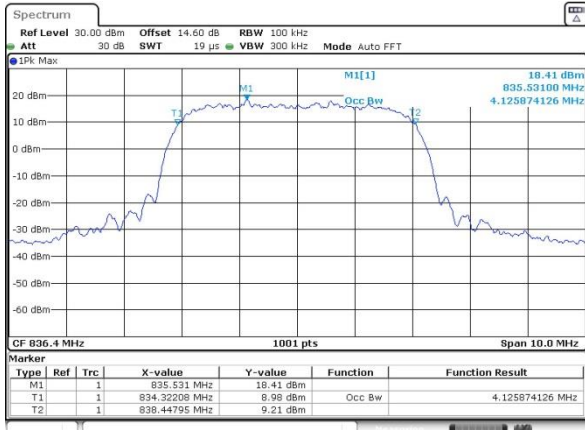
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



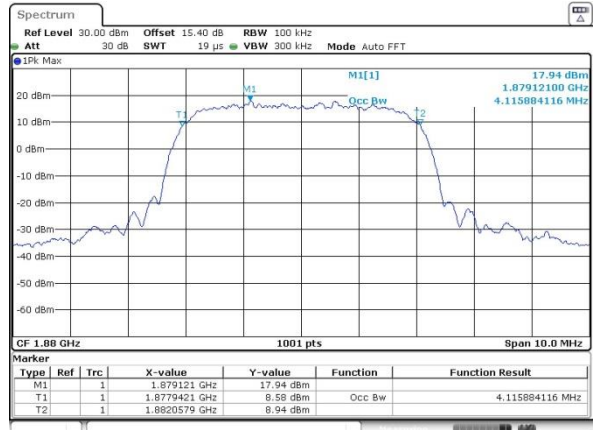
Date: 3.AUG.2023 13:12:03

Middle Channel



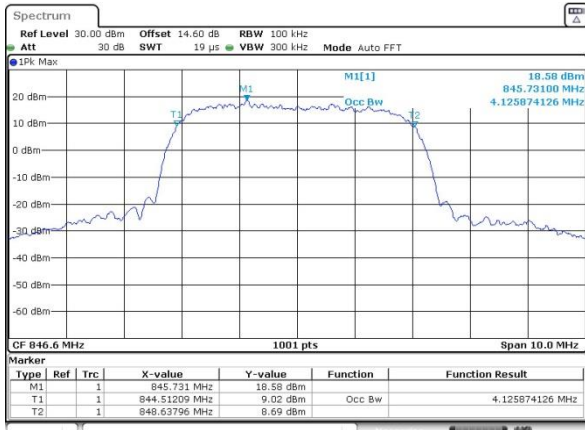
Date: 3.AUG.2023 11:00:22

Middle Channel



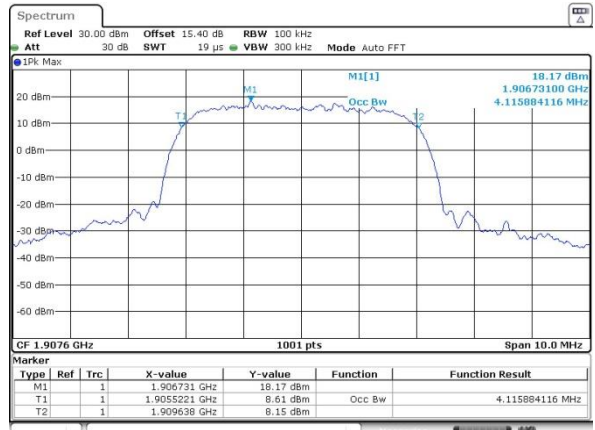
Date: 3.AUG.2023 13:12:40

Highest Channel



Date: 3.AUG.2023 11:00:55

Highest Channel

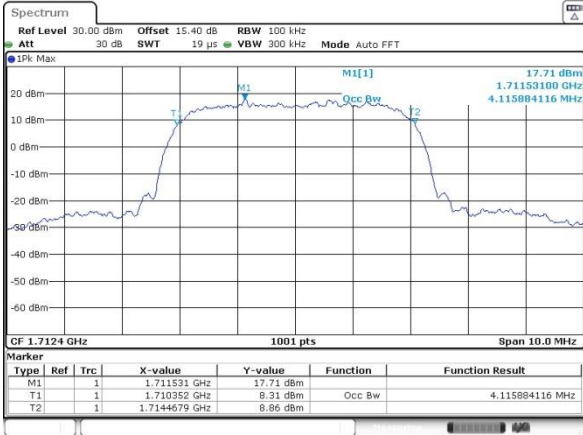


Date: 3.AUG.2023 13:13:12

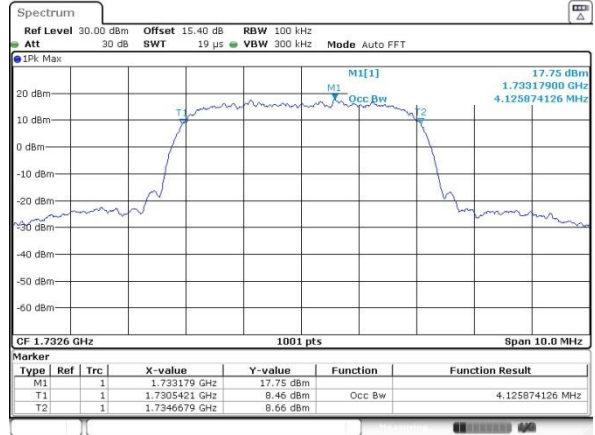


WCDMA Band IV (RMC 12.2Kbps)

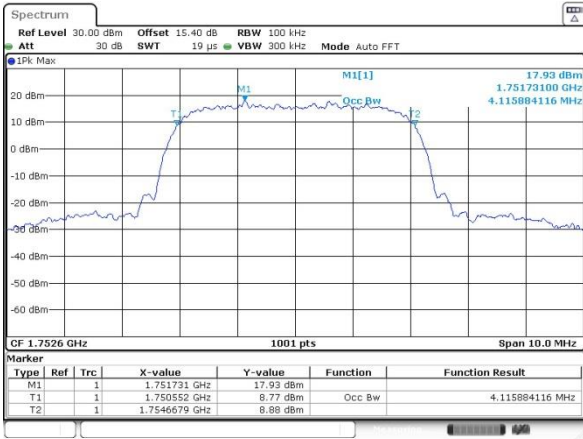
Lowest Channel



Middle Channel

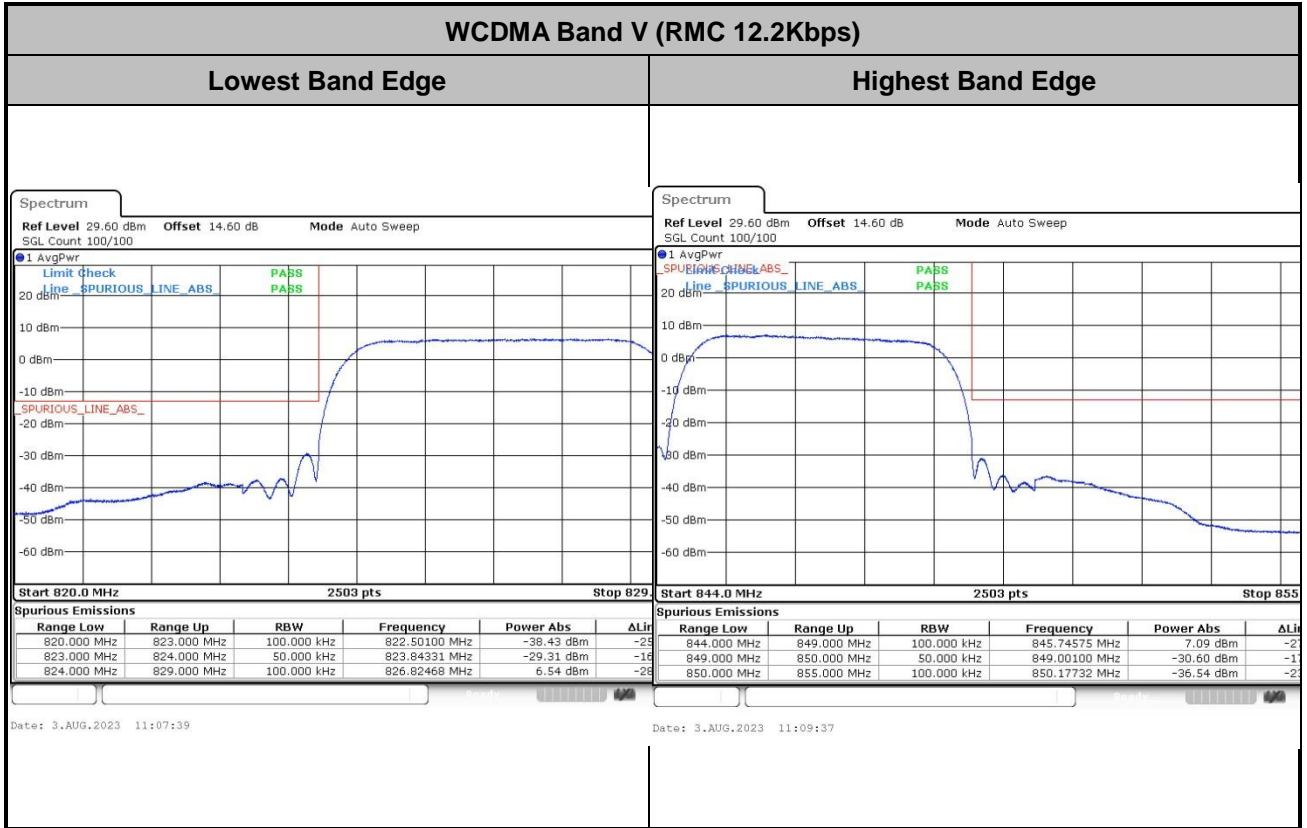


Highest Channel





Conducted Band Edge

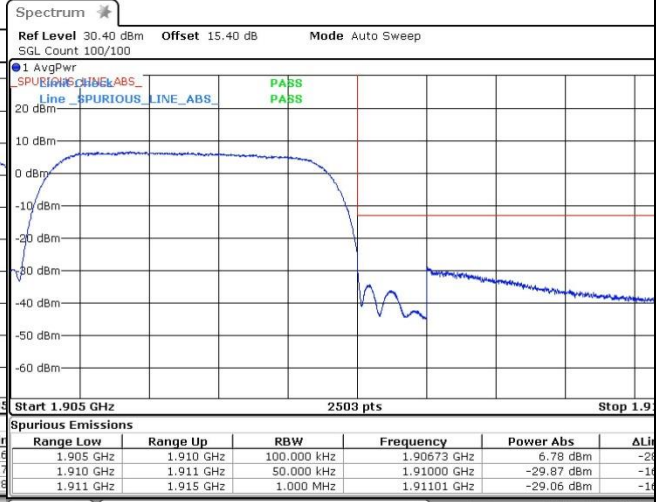
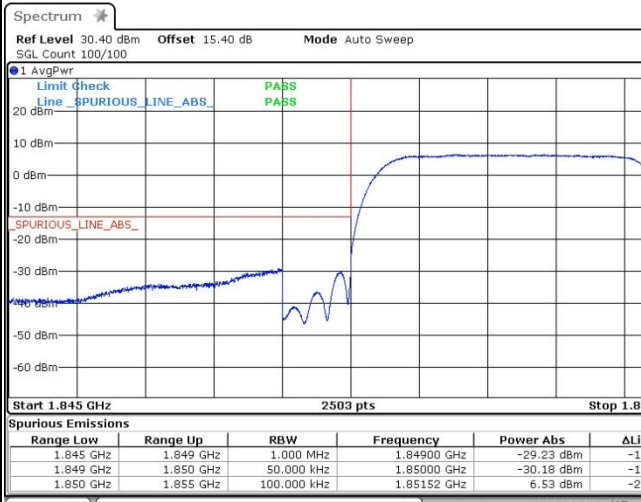




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



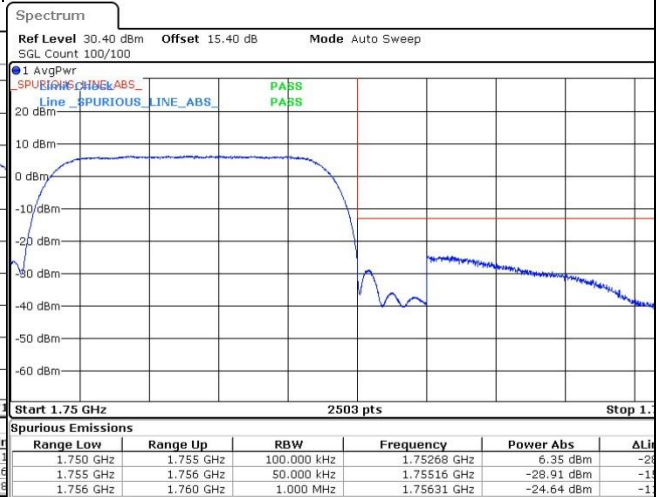
Date: 3.AUG.2023 13:15:26

Date: 3.AUG.2023 13:17:30

WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

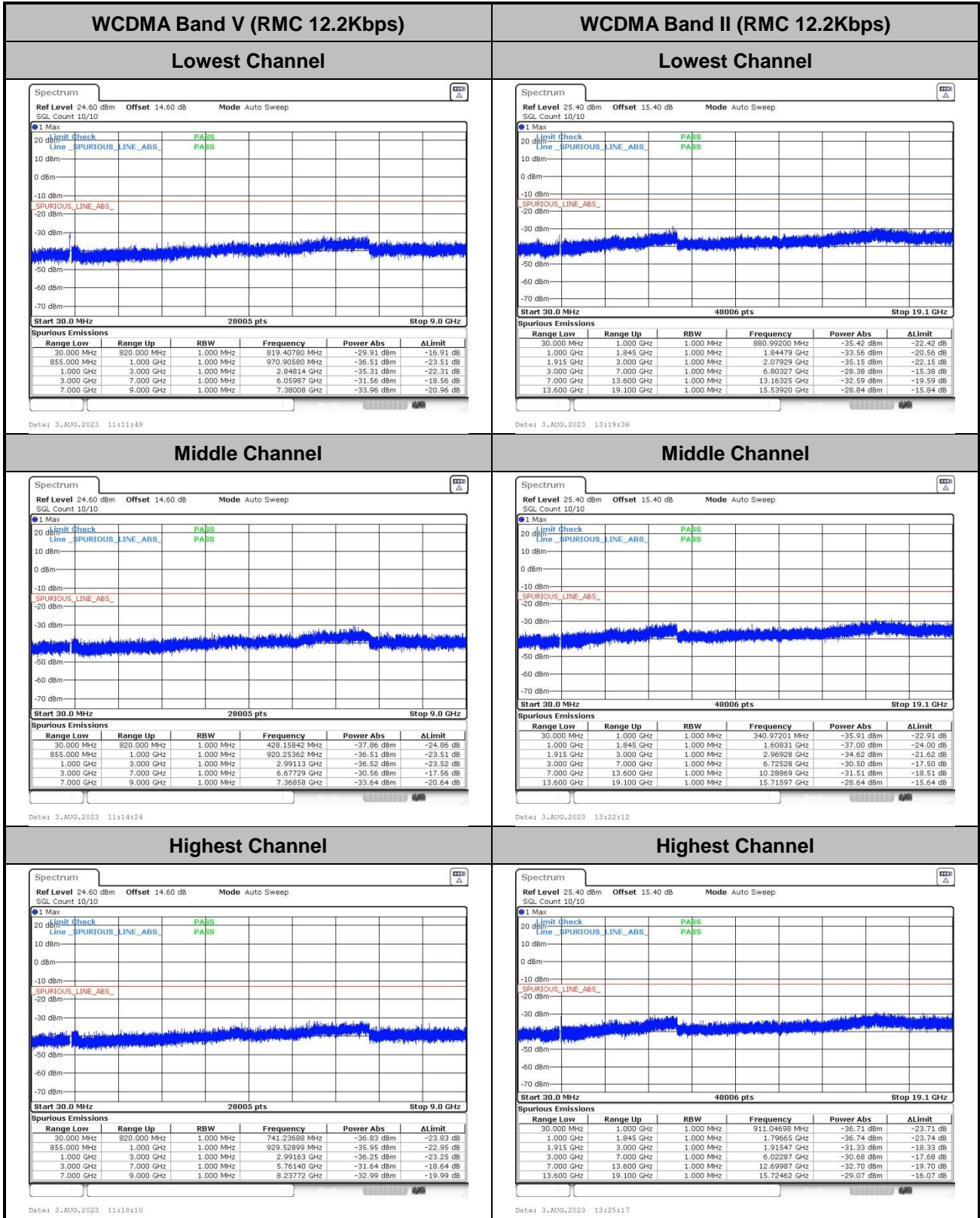


Date: 3.AUG.2023 11:38:10

Date: 3.AUG.2023 11:40:09



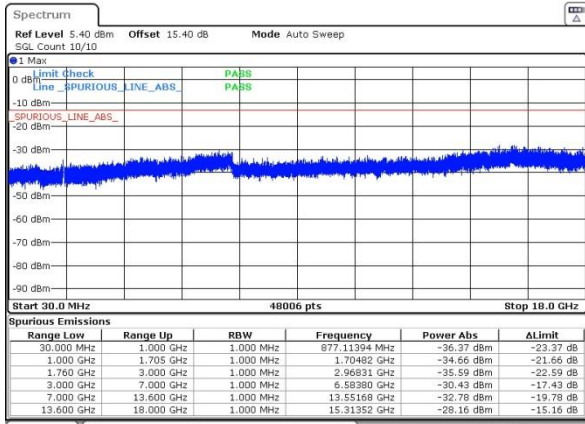
Conducted Spurious Emission





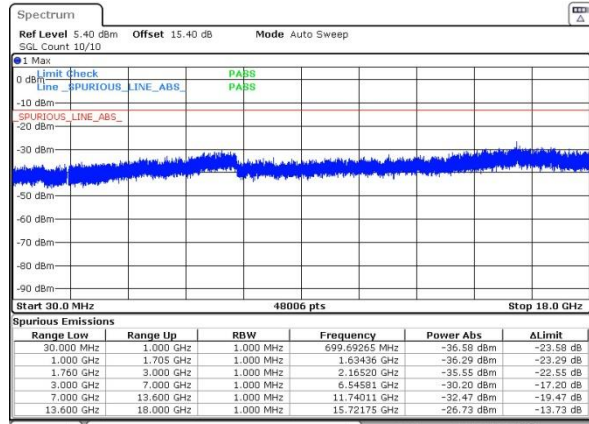
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



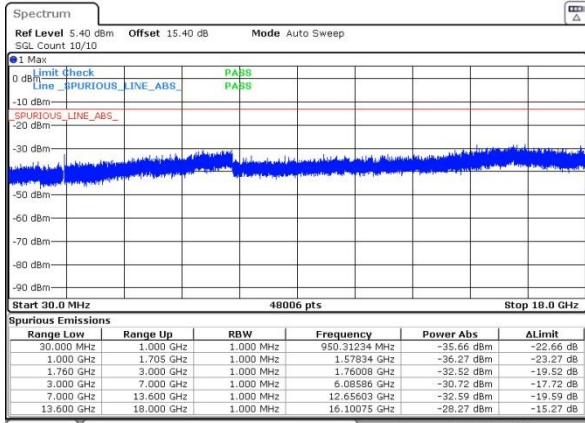
Date: 3.AUG.2023 11:42:12

Middle Channel



Date: 3.AUG.2023 11:44:12

Highest Channel



Date: 3.AUG.2023 11:47:08



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	0.0042	PASS
40	Normal Voltage	0.0365	
30	Normal Voltage	0.0491	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0334	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0118	
-30	Normal Voltage	0.0249	
20	Maximum Voltage	0.0483	
20	Normal Voltage	0.0128	
20	Minimum Voltage	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0138	PASS
40	Normal Voltage	0.0246	
30	Normal Voltage	0.0184	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0378	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0249	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0163	
20	Normal Voltage	0.0276	
20	Minimum Voltage	0.0014	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0159	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0184	
-20	Normal Voltage	0.0248	
-30	Normal Voltage	0.0263	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0051	
20	Minimum Voltage	0.0138	

Note:

1. Normal Voltage = 3.8V ; Minimum Voltage =3.5V. ; Maximum Voltage =4.35V
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%

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	-50.20	-13	-37.20	-57.17	1.58	10.70	H
	2510	-51.78	-13	-38.78	-60.03	2.102	12.50	H
	3348	-60.15	-13	-47.15	-69.04	2.856	13.90	H
	1672	-55.44	-13	-42.44	-62.41	1.58	10.70	V
	2510	-50.23	-13	-37.23	-58.48	2.10	12.50	V
	3348	-61.99	-13	-48.99	-70.88	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	-48.37	-13	-35.37	-55.34	1.58	10.70	H
	2512	-45.63	-13	-32.63	-53.88	2.102	12.50	H
	3344	-50.41	-13	-37.41	-59.30	2.856	13.90	H
	1672	-56.29	-13	-43.29	-63.26	1.58	10.70	V
	2512	-55.48	-13	-42.48	-63.73	2.10	12.50	V
	3344	-57.52	-13	-44.52	-66.41	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	-43.48	-13	-30.48	-55.74	2.64	14.90	H
	5640	-54.37	-13	-41.37	-66.23	2.94	14.80	H
	7515	-52.74	-13	-39.74	-62.51	3.39	13.16	H
	3765	-37.85	-13	-24.85	-50.11	2.64	14.90	V
	5640	-52.61	-13	-39.61	-64.47	2.94	14.80	V
	7515	-50.43	-13	-37.43	-60.20	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	-43.67	-13	-30.67	-55.93	2.64	14.90	H
	5640	-55.27	-13	-42.27	-67.13	2.94	14.80	H
	7515	-52.83	-13	-39.83	-62.60	3.39	13.16	H
	3765	-39.17	-13	-26.17	-51.43	2.64	14.90	V
	5640	-48.85	-13	-35.85	-60.71	2.94	14.80	V
	7515	-51.89	-13	-38.89	-61.66	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	-65.11	-13	-52.11	-72.08	1.58	10.70	H
	2512	-60.56	-13	-47.56	-68.81	2.102	12.50	H
	3344	-61.13	-13	-48.13	-70.02	2.856	13.90	H
	1672	-63.93	-13	-50.93	-70.90	1.58	10.70	V
	2512	-59.85	-13	-46.85	-68.10	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.

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	-52.12	-13	-39.12	-64.38	2.64	14.90	H
	5640	-55.85	-13	-42.85	-67.71	2.94	14.80	H
	7524	-52.55	-13	-39.55	-62.32	3.39	13.16	H
	3759	-45.38	-13	-32.38	-57.64	2.64	14.90	V
	5640	-56.41	-13	-43.41	-68.27	2.94	14.80	V
	7524	-52.81	-13	-39.81	-62.58	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	-49.78	-13	-36.78	-60.52	2.604	13.34	H
	5190	-53.64	-13	-40.64	-64.15	3.011	13.52	H
	6930	-54.65	-13	-41.65	-64.85	3.271	13.47	H
	3465	-40.78	-13	-27.78	-51.52	2.604	13.34	V
	5190	-53.21	-13	-40.21	-63.72	3.011	13.52	V
	6930	-54.27	-13	-41.27	-64.47	3.271	13.47	V

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