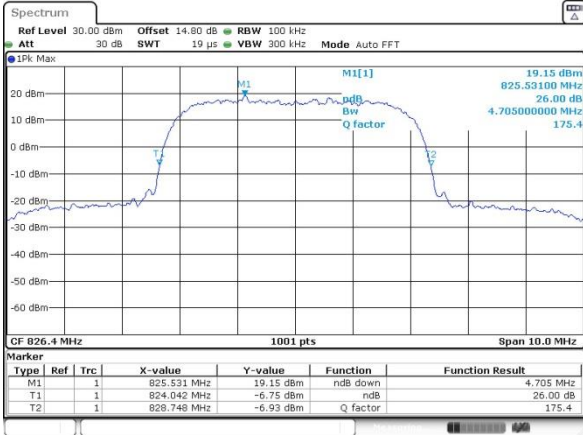




WCDMA Band V (RMC 12.2Kbps)

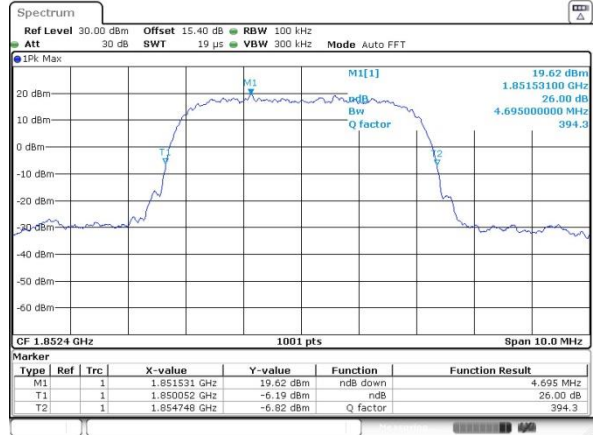
Lowest Channel



Date: 26 JUN 2023 04:16:19

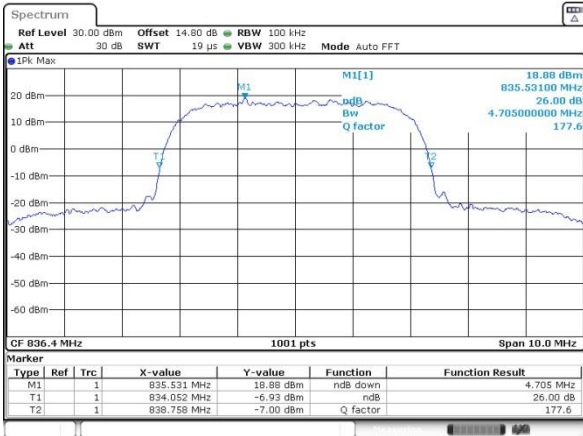
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



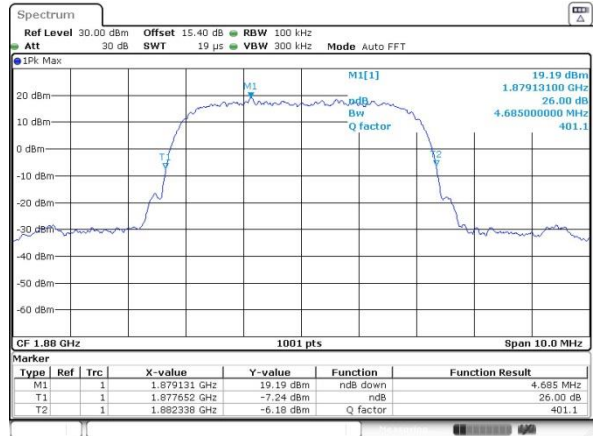
Date: 26 JUN 2023 05:06:12

Middle Channel



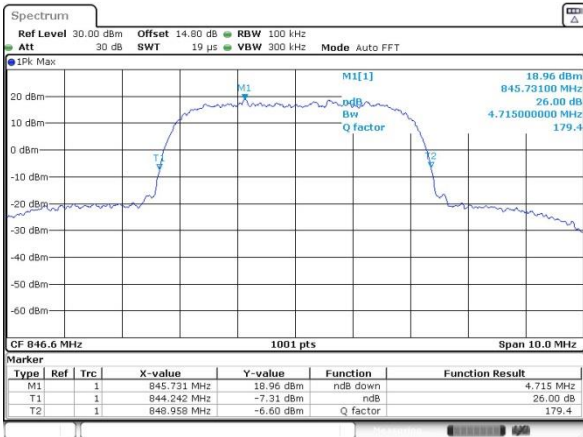
Date: 26 JUN 2023 04:16:42

Middle Channel



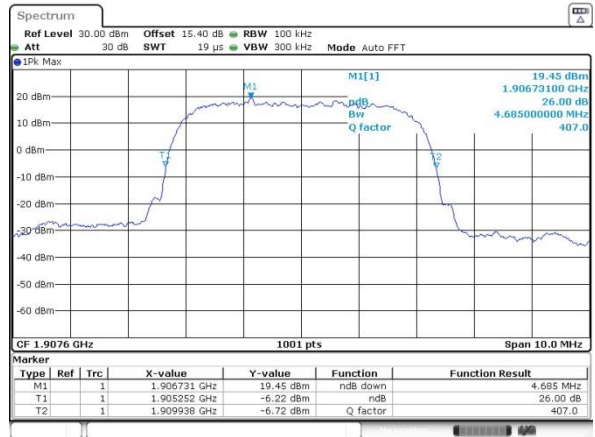
Date: 26 JUN 2023 05:06:34

Highest Channel

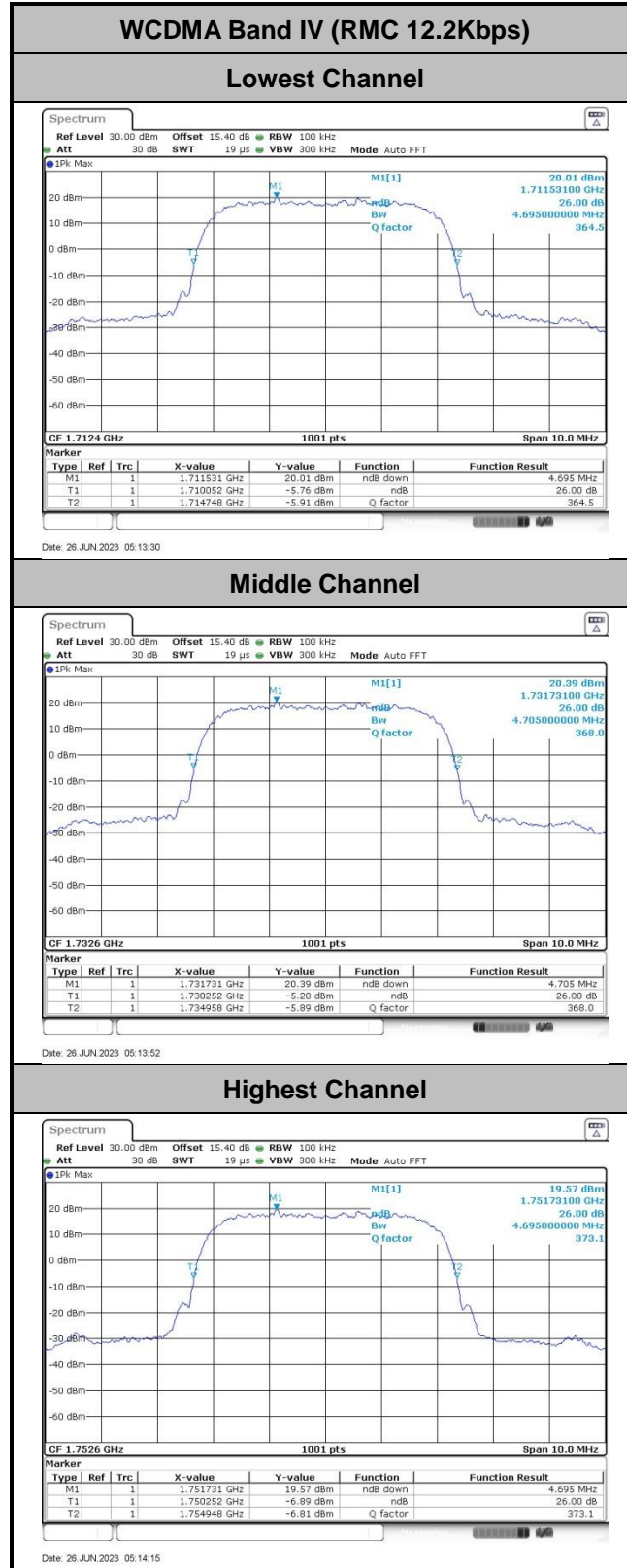


Date: 26 JUN 2023 04:17:07

Highest Channel



Date: 26 JUN 2023 05:06:57





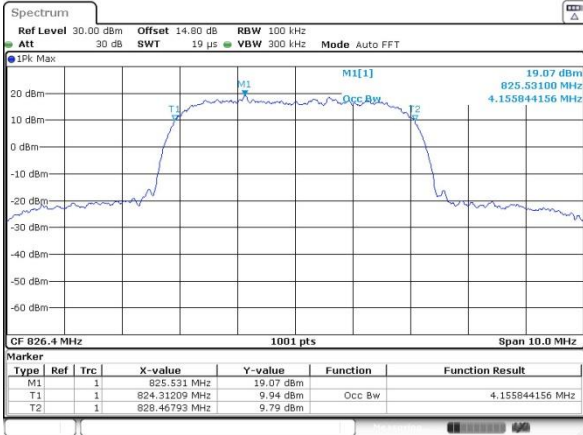
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

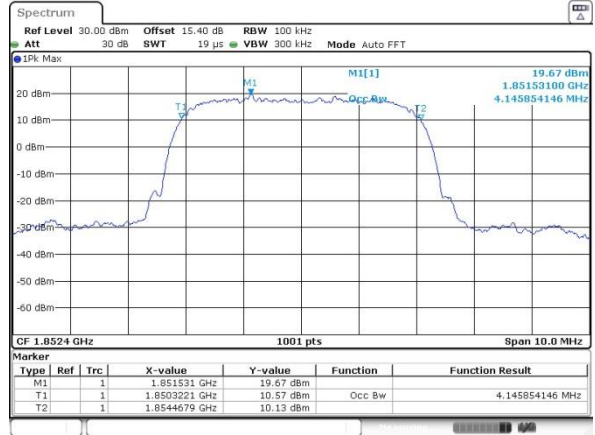
Lowest Channel



Date: 26 JUN 2023 04:20:42

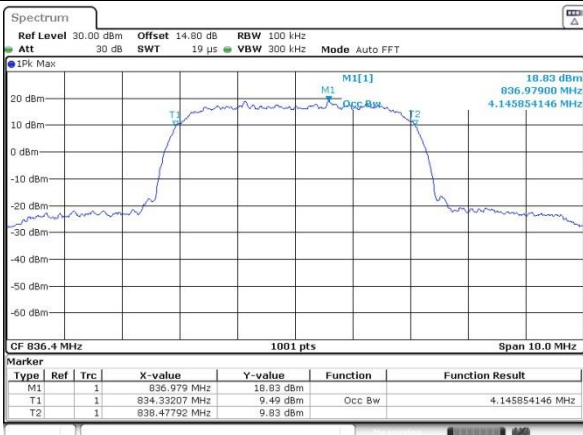
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



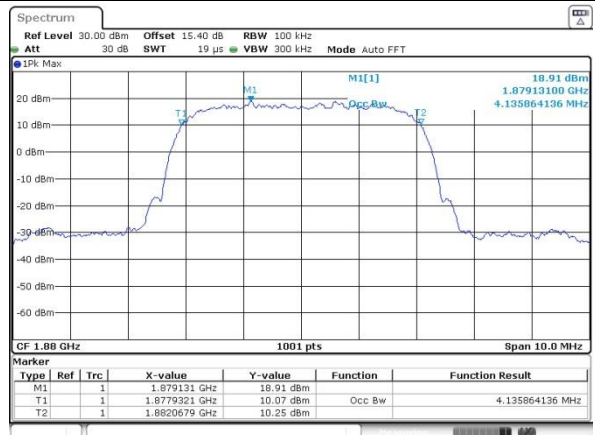
Date: 26 JUN 2023 05:08:42

Middle Channel



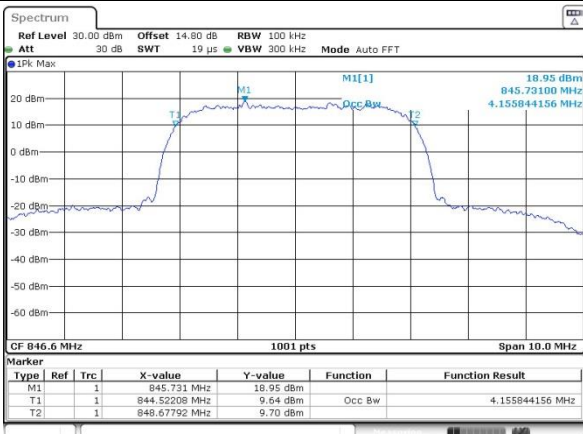
Date: 26 JUN 2023 04:21:07

Middle Channel



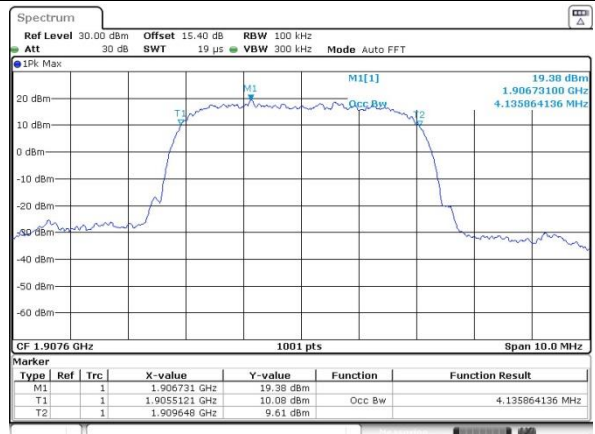
Date: 26 JUN 2023 05:09:05

Highest Channel

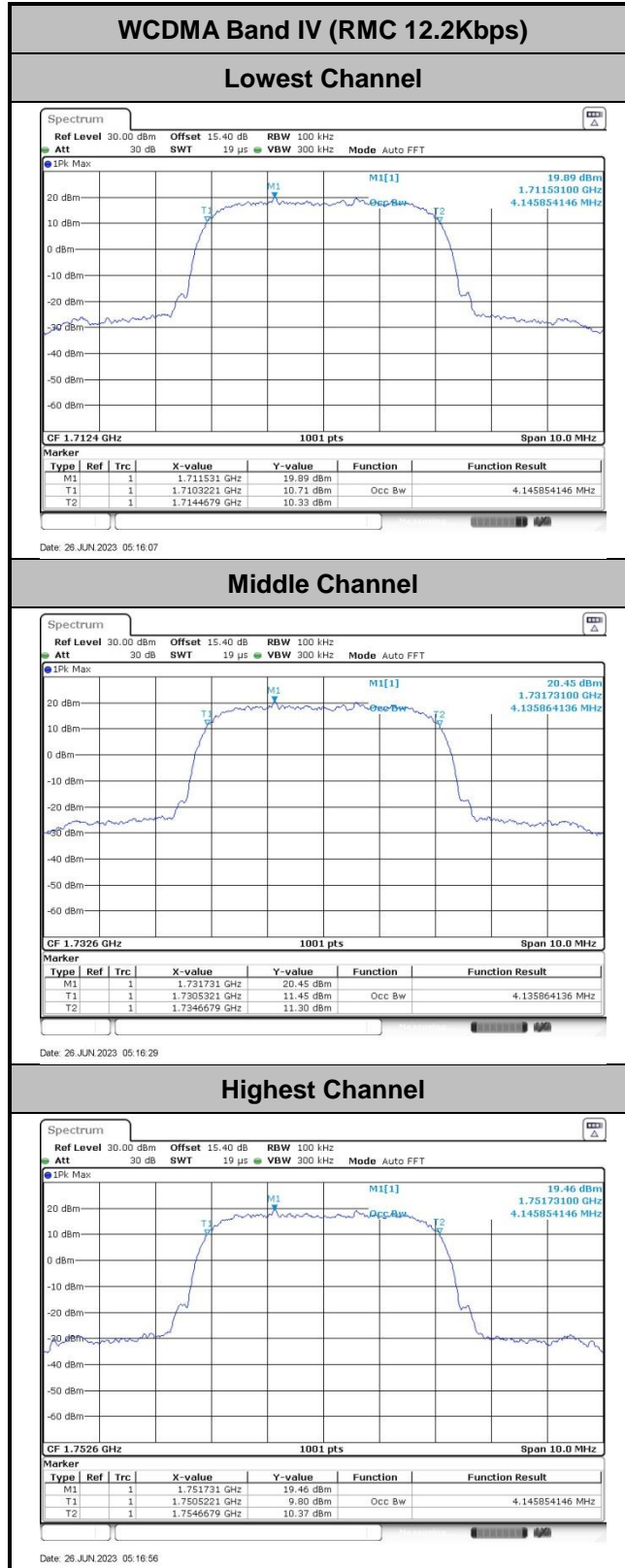


Date: 26 JUN 2023 04:21:26

Highest Channel

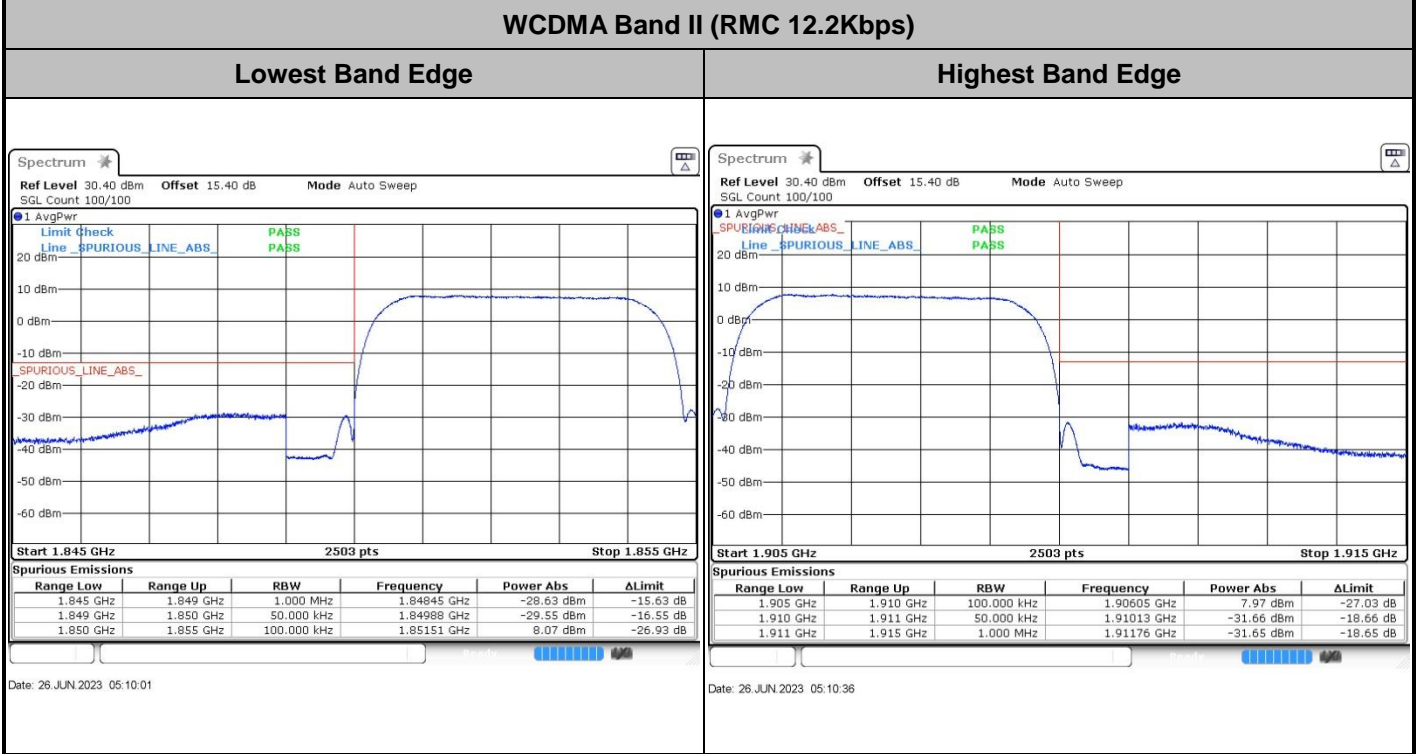
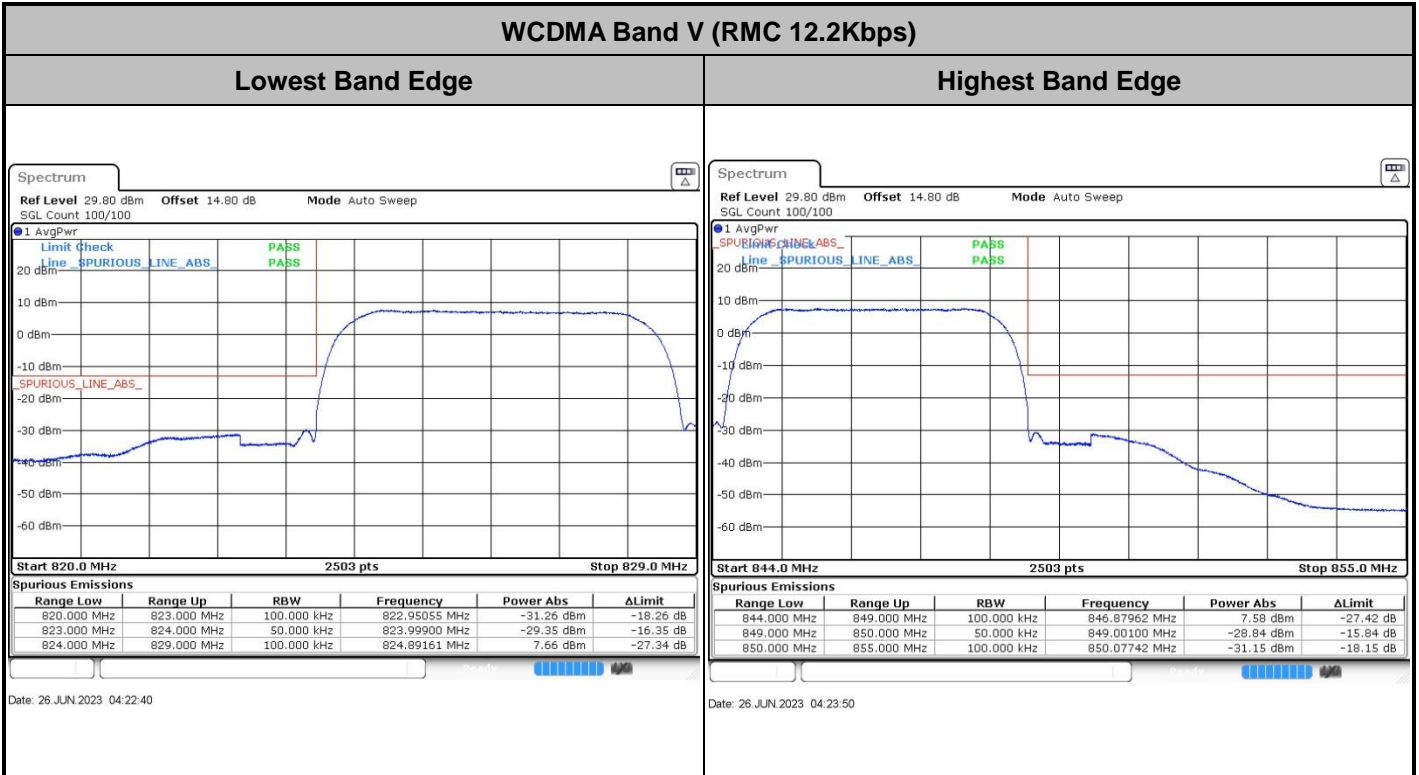


Date: 26 JUN 2023 05:09:26





Conducted Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



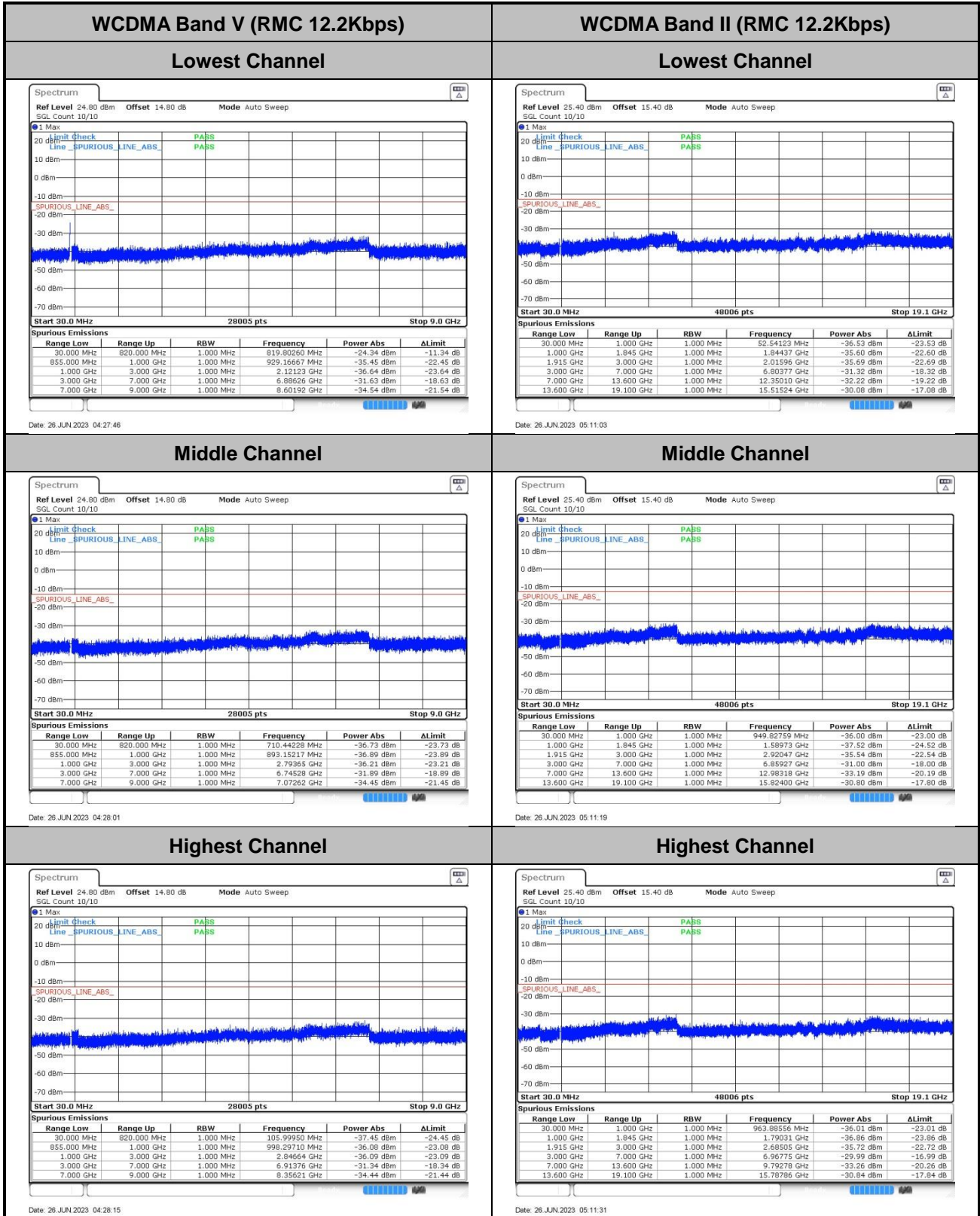
Date: 26 JUN 2023 05:18:21



Date: 26 JUN 2023 05:18:54



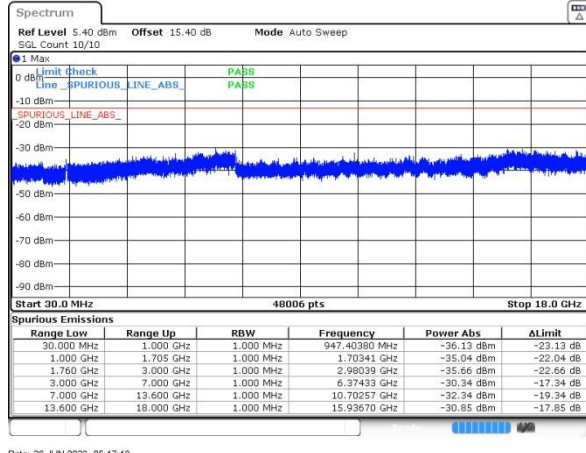
Conducted Spurious Emission





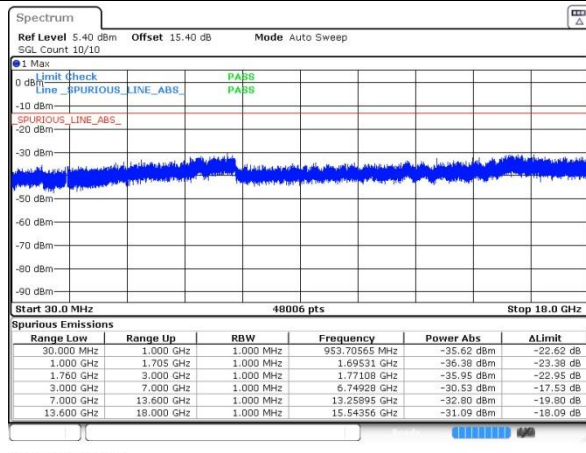
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



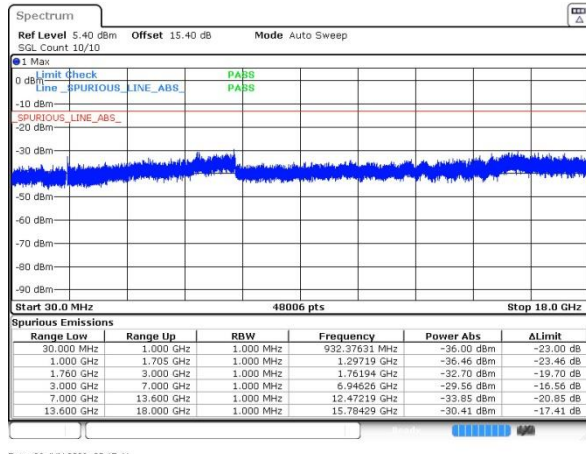
Date: 26 JUN 2023 05:17:13

Middle Channel



Date: 26 JUN 2023 05:17:28

Highest Channel



Date: 26 JUN 2023 05:17:41



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	0.0077	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0076	
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	0.0069	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0028	
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	0.0046	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.5V. ; 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 :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE Pre-scanned harmonic for the different antennas, only the worst antenna are shown in the report.

GSM850 (GSM) / 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	-58.90	-13	-45.90	-65.87	1.58	10.70	H
	2512	-48.24	-13	-35.24	-56.49	2.102	12.50	H
	3344	-67.62	-13	-54.62	-76.51	2.856	13.90	H
	1672	-58.27	-13	-45.27	-65.24	1.58	10.70	V
	2512	-35.44	-13	-22.44	-43.69	2.10	12.50	V
	3344	-66.53	-13	-53.53	-75.42	2.86	13.90	V

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	-60.87	-13	-47.87	-67.84	1.58	10.70	H
	2512	-61.67	-13	-48.67	-69.92	2.102	12.50	H
	3344	-65.91	-13	-52.91	-74.80	2.856	13.90	H
	1672	-66.11	-13	-53.11	-73.08	1.58	10.70	V
	2512	-60.82	-13	-47.82	-69.07	2.10	12.50	V
	3344	-65.99	-13	-52.99	-74.88	2.86	13.90	V

GSM1900 (GSM) / Ant.0								
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	-65.15	-13	-52.15	-77.41	2.641	14.90	H
	5640	-49.49	-13	-36.49	-61.35	2.94	14.80	H
	7524	-58.55	-13	-45.55	-68.32	3.39	13.16	H
	3759	-61.74	-13	-48.74	-74.00	2.64	14.90	V
	5640	-43.23	-13	-30.23	-55.09	2.94	14.80	V
	7524	-58.16	-13	-45.16	-67.93	3.39	13.16	V



GSM1900 (EDGE 1 Tx slots) / Ant.0								
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	-68.55	-13	-55.55	-80.81	2.64	14.90	H
	5640	-56.76	-13	-43.76	-68.62	2.94	14.80	H
	7524	-58.39	-13	-45.39	-68.16	3.39	13.16	H
	3759	-69.32	-13	-56.32	-81.58	2.64	14.90	V
	5640	-51.25	-13	-38.25	-63.11	2.94	14.80	V
	7524	-58.37	-13	-45.37	-68.14	3.39	13.16	V

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	-72.95	-13	-59.95	-79.92	1.58	10.70	H
	2512	-68.60	-13	-55.60	-76.85	2.102	12.50	H
	3344	-68.49	-13	-55.49	-77.38	2.856	13.90	H
	1672	-72.10	-13	-59.10	-79.07	1.58	10.70	V
	2512	-68.75	-13	-55.75	-77.00	2.10	12.50	V
	3344	-68.43	-13	-55.43	-77.32	2.86	13.90	V

WCDMA Band II(RMC 12.2Kbps) / Ant.0								
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	-67.33	-13	-54.33	-79.59	2.641	14.90	H
	5640	-60.52	-13	-47.52	-72.38	2.94	14.80	H
	7524	-58.43	-13	-45.43	-68.20	3.39	13.16	H
	3759	-68.03	-13	-55.03	-80.29	2.64	14.90	V
	5640	-60.15	-13	-47.15	-72.01	2.94	14.80	V
	7524	-57.99	-13	-44.99	-67.76	3.39	13.16	V

WCDMA Band IV(RMC 12.2Kbps) / Ant.0								
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	-67.67	-13	-54.67	-78.41	2.604	13.34	H
	5199	-60.21	-13	-47.21	-70.72	3.011	13.52	H
	6936	-58.03	-13	-45.03	-68.23	3.271	13.47	H
	3465	-68.28	-13	-55.28	-79.02	2.604	13.34	V
	5199	-61.01	-13	-48.01	-71.52	3.011	13.52	V
	6936	-58.52	-13	-45.52	-68.72	3.271	13.47	V

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