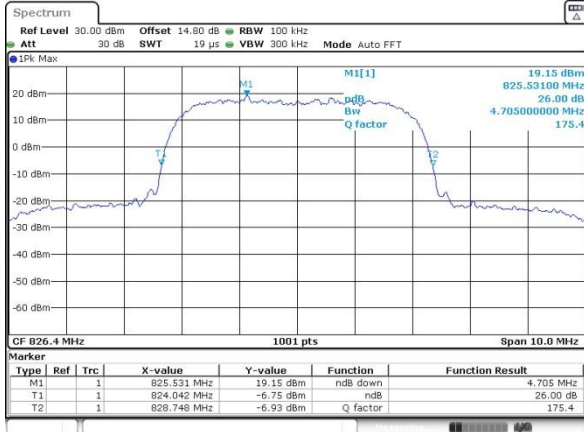




WCDMA Band V (RMC 12.2Kbps)

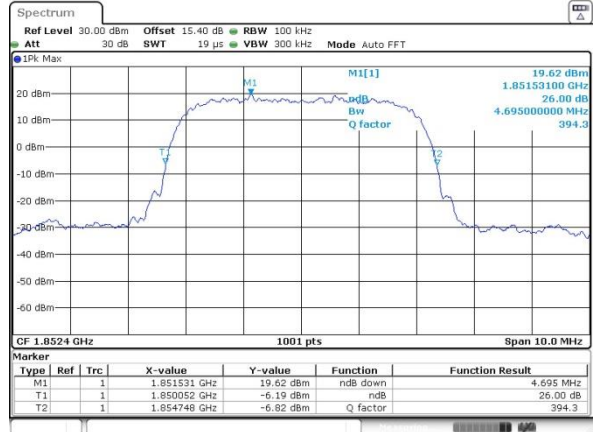
Lowest Channel



Date: 26 JUN 2023 04:16:19

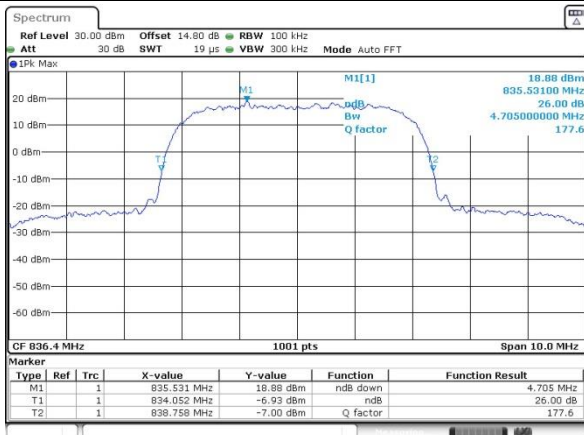
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



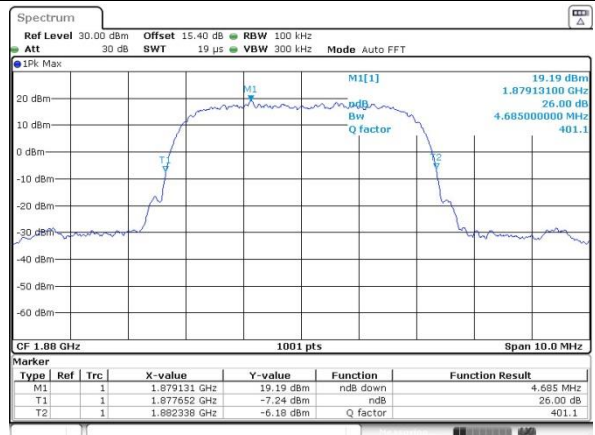
Date: 26 JUN 2023 05:06:12

Middle Channel



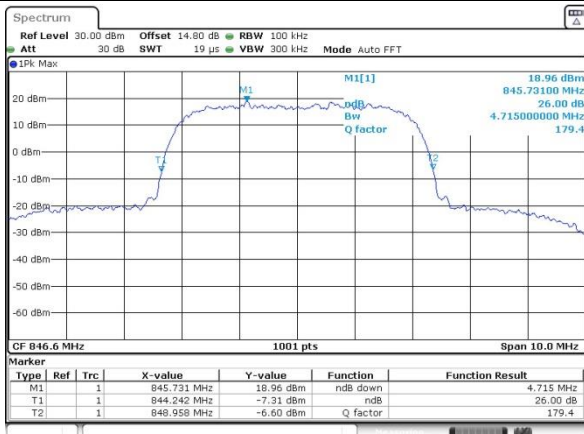
Date: 26 JUN 2023 04:16:42

Middle Channel



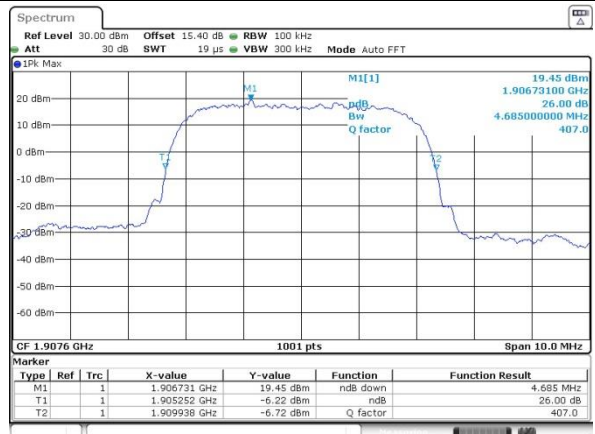
Date: 26 JUN 2023 05:06:34

Highest Channel



Date: 26 JUN 2023 04:17:07

Highest Channel

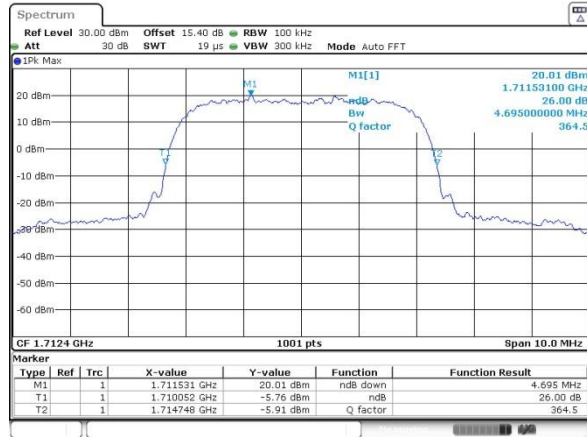


Date: 26 JUN 2023 05:06:57

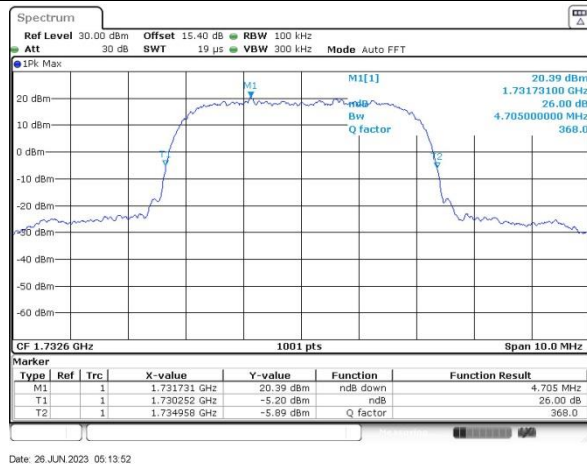


WCDMA Band IV (RMC 12.2Kbps)

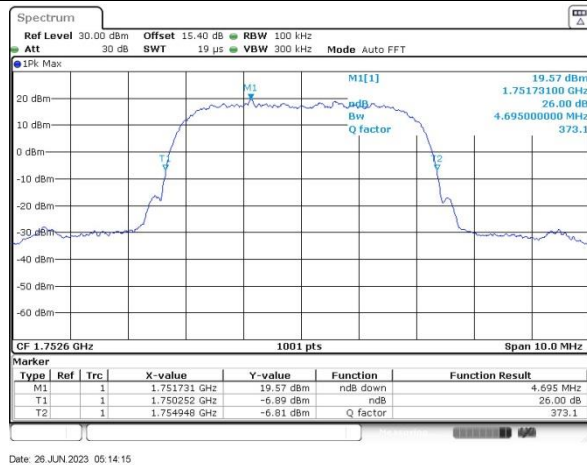
Lowest Channel



Middle Channel



Highest Channel





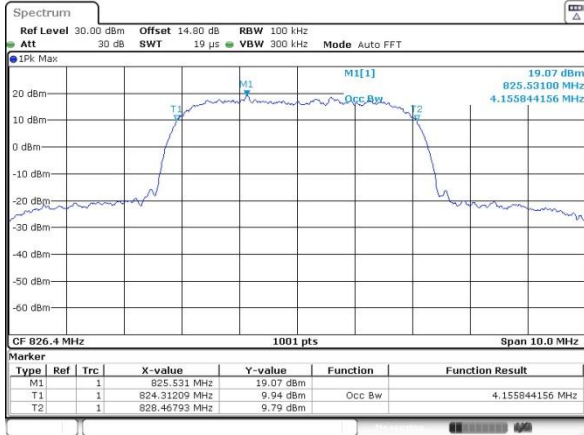
Occupied Bandwidth

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)

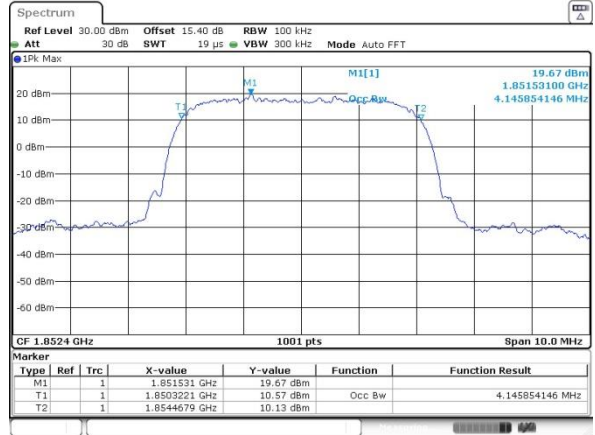
Lowest Channel



Date: 26 JUN 2023 04:20:42

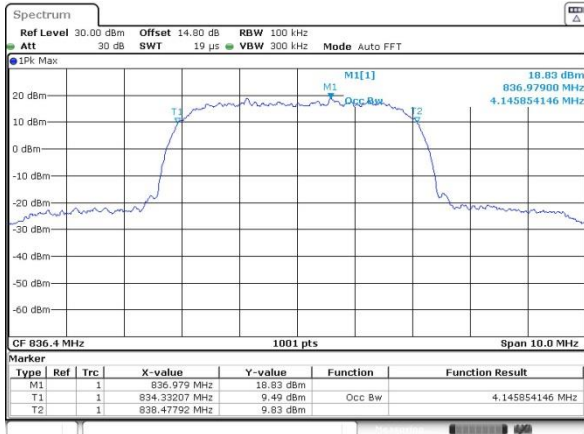
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



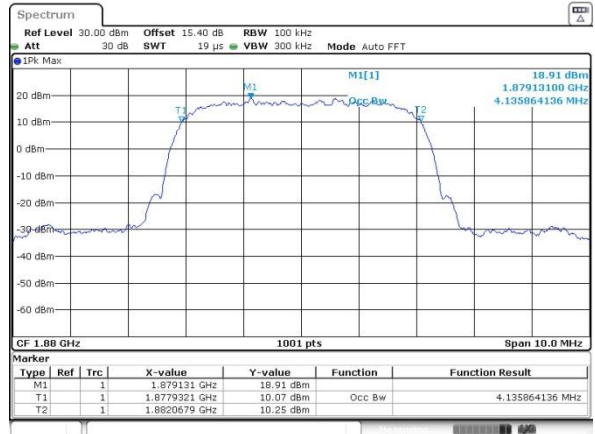
Date: 26 JUN 2023 05:08:42

Middle Channel



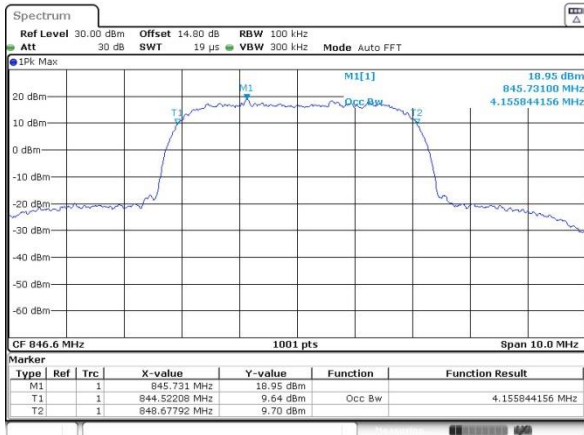
Date: 26 JUN 2023 04:21:07

Middle Channel



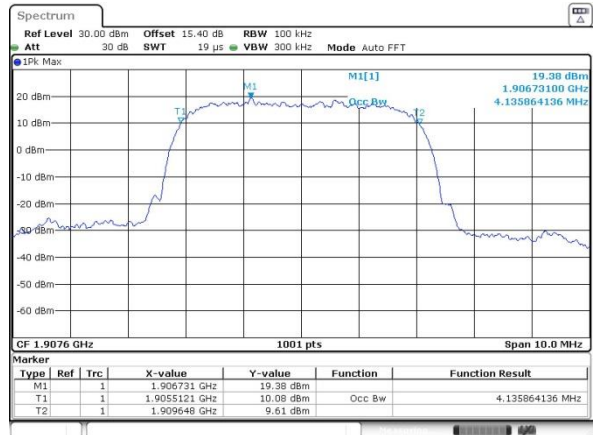
Date: 26 JUN 2023 05:09:05

Highest Channel



Date: 26 JUN 2023 04:21:26

Highest Channel

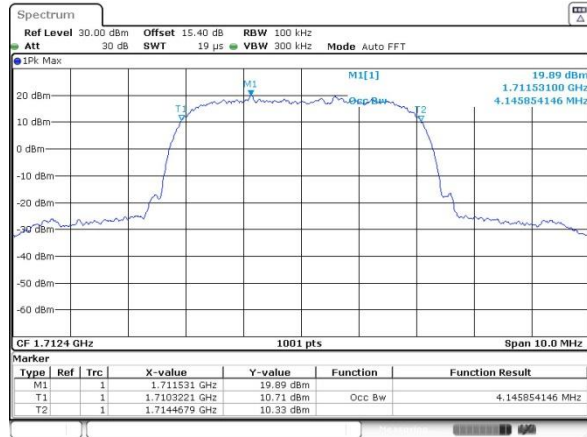


Date: 26 JUN 2023 05:09:26

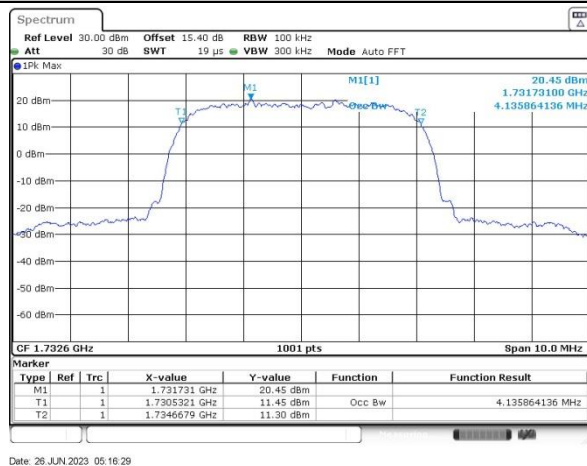


WCDMA Band IV (RMC 12.2Kbps)

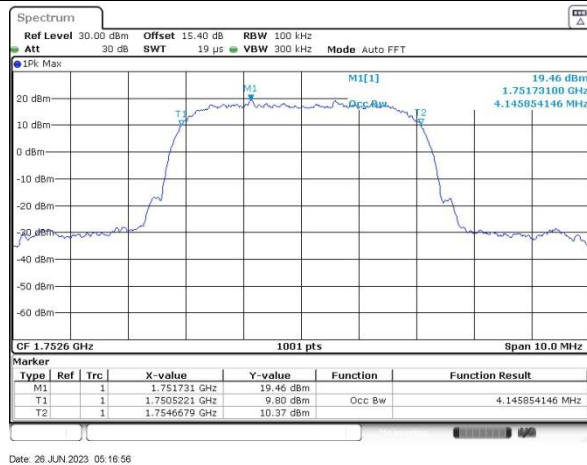
Lowest Channel



Middle Channel



Highest Channel

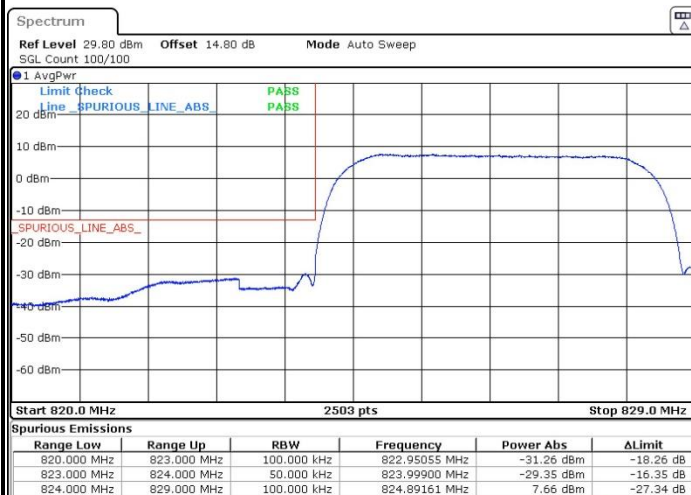




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



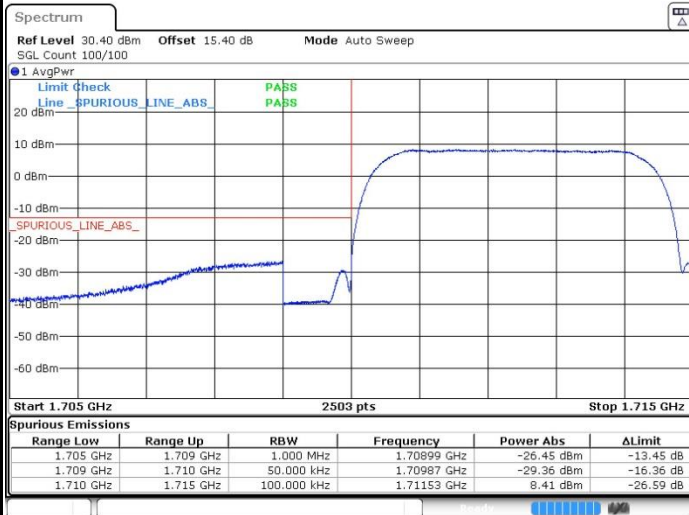
Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

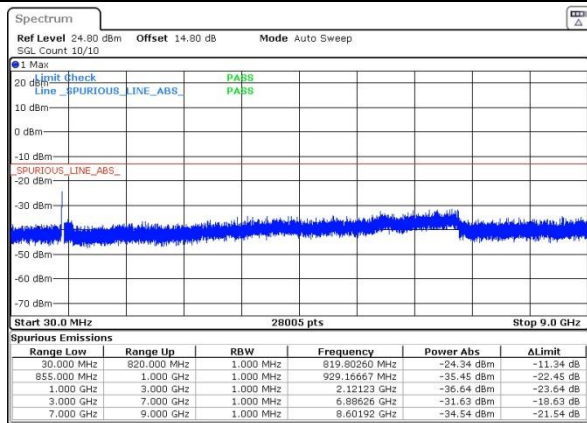




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

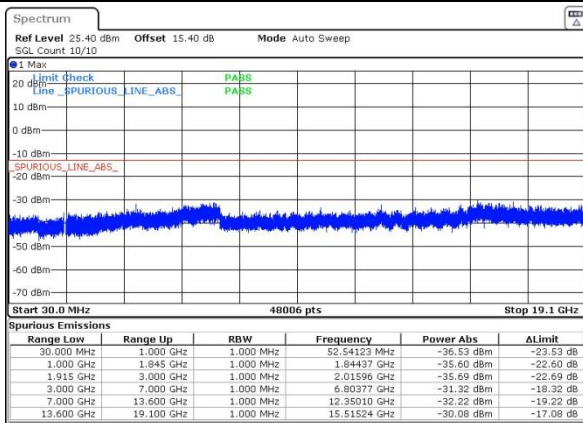
Lowest Channel



Date: 26 JUN 2023 04:27:46

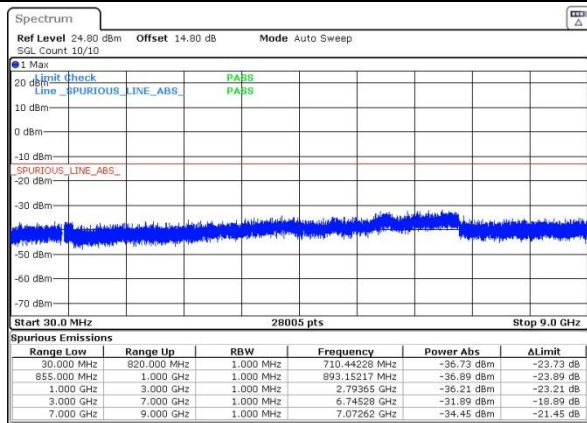
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



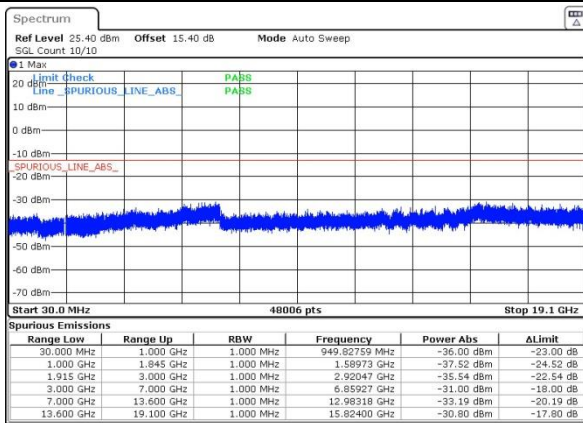
Date: 26 JUN 2023 05:11:03

Middle Channel



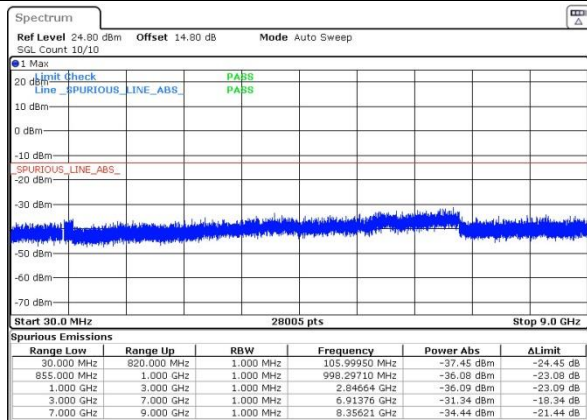
Date: 26 JUN 2023 04:28:01

Middle Channel



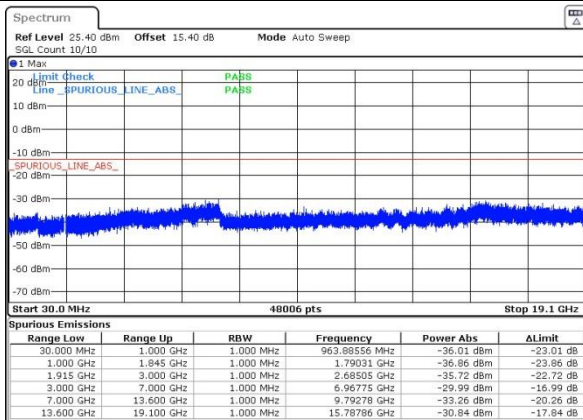
Date: 26 JUN 2023 05:11:19

Highest Channel



Date: 26 JUN 2023 04:28:15

Highest Channel

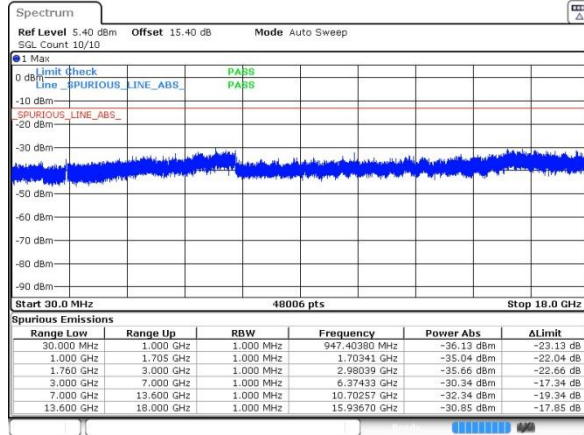


Date: 26 JUN 2023 05:11:31

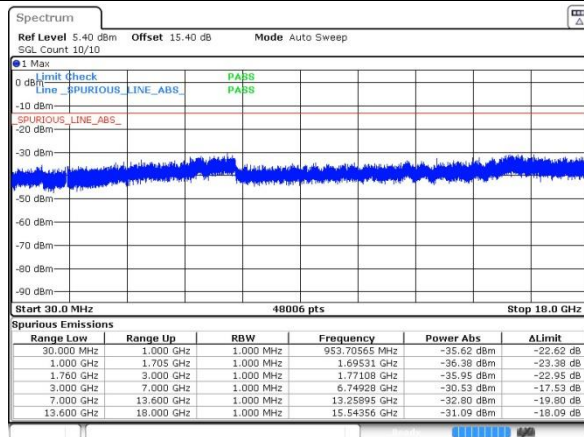


WCDMA Band IV (RMC 12.2Kbps)

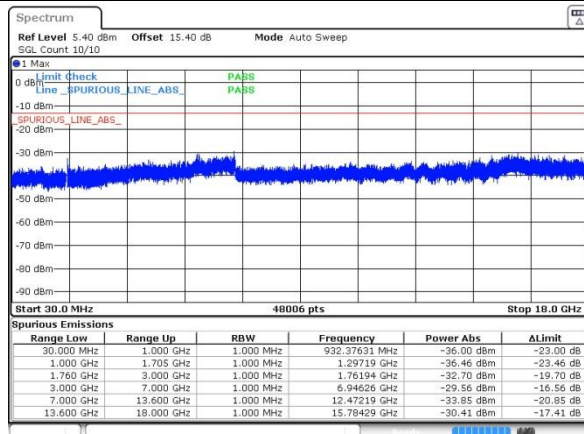
Lowest Channel



Middle Channel



Highest Channel



**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.