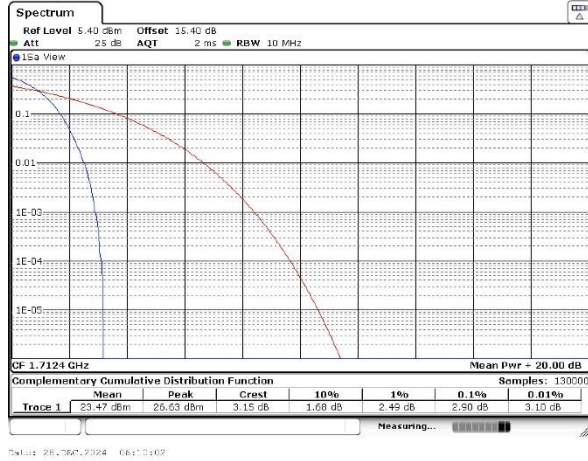
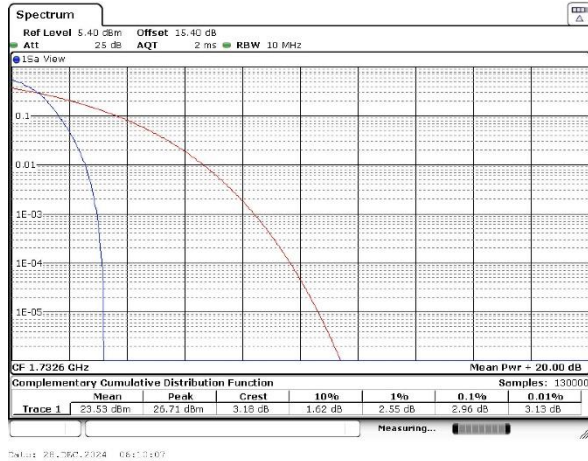


WCDMA Band IV (RMC 12.2Kbps)

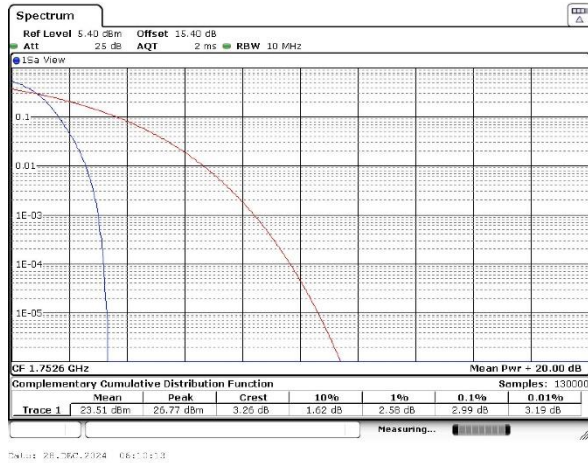
Lowest Channel



Middle Channel



Highest Channel





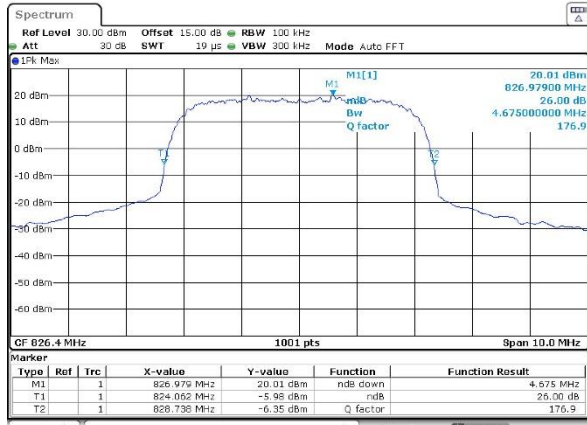
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.675	4.675	4.675
Middle CH	4.675	4.675	4.675
Highest CH	4.665	4.685	4.675



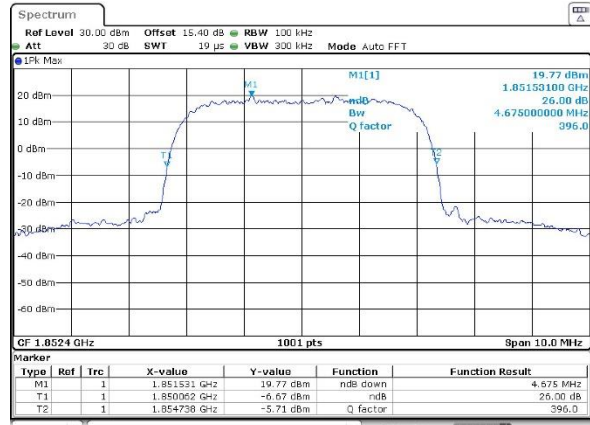
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

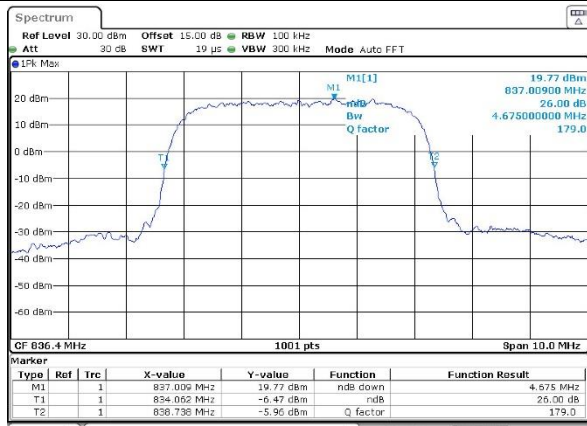


WCDMA Band II (RMC 12.2Kbps)

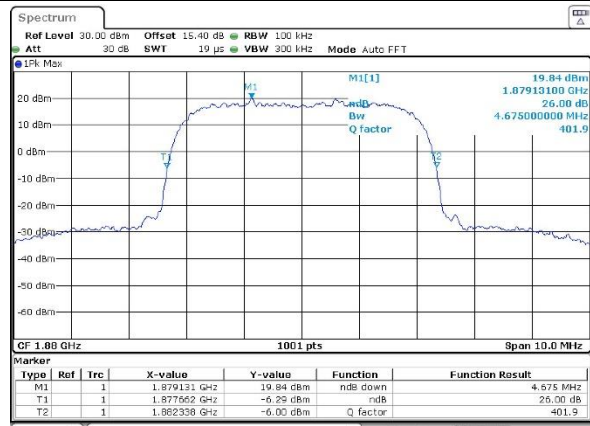
Lowest Channel



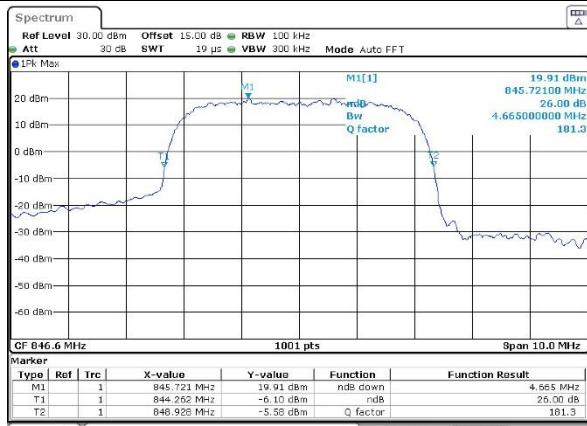
Middle Channel



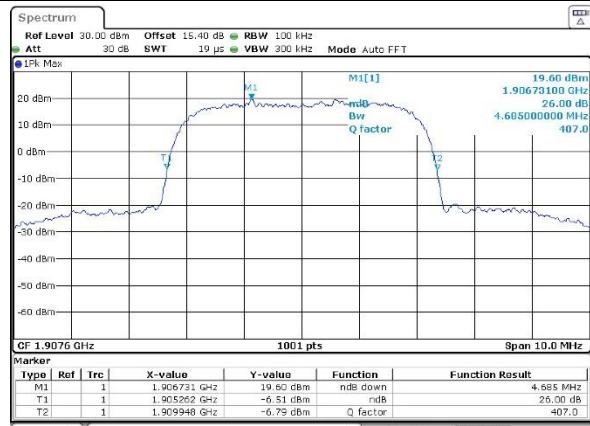
Middle Channel



Highest Channel



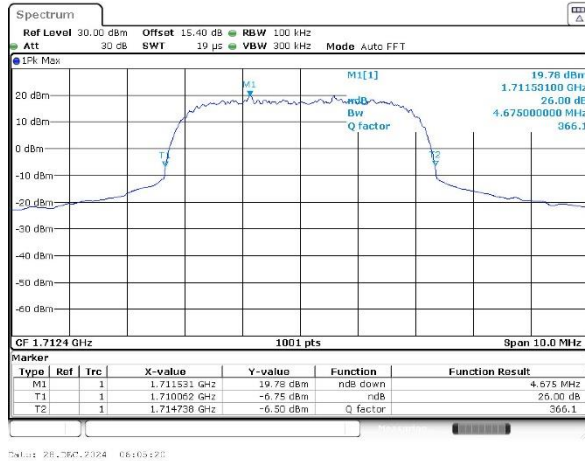
Highest Channel



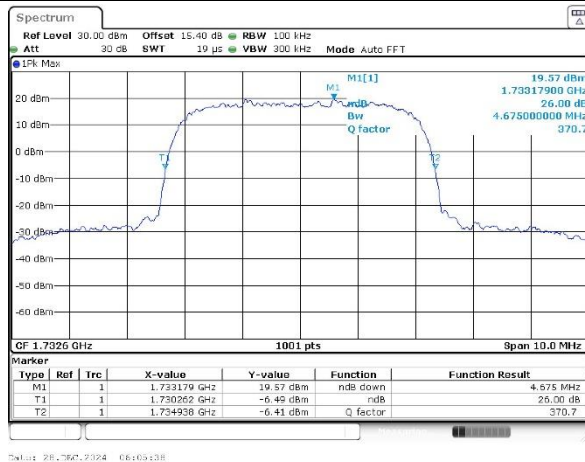


WCDMA Band IV (RMC 12.2Kbps)

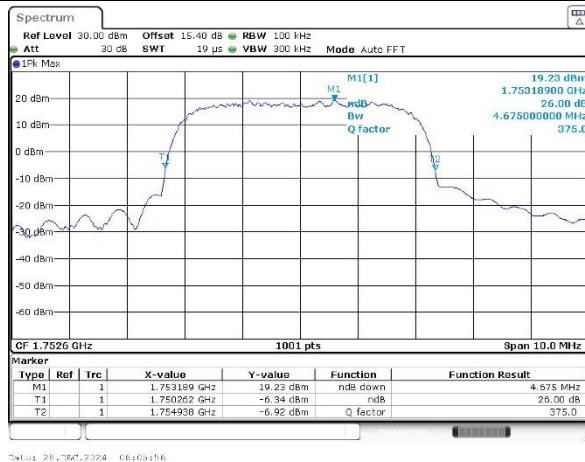
Lowest Channel



Middle Channel



Highest Channel





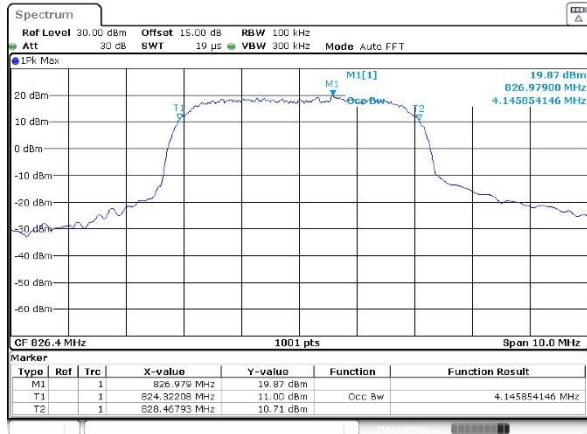
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.146	4.126	4.146
Middle CH	4.136	4.146	4.146
Highest CH	4.126	4.136	4.145



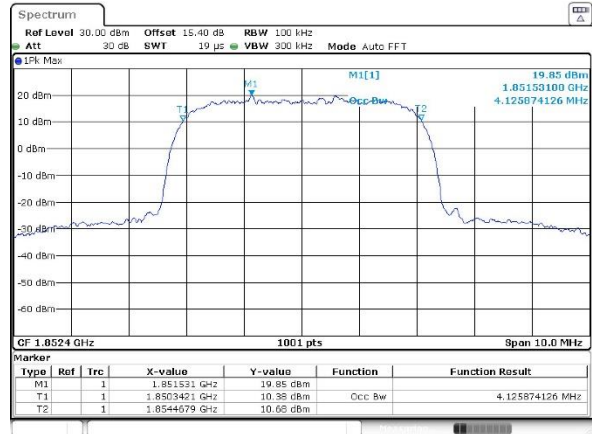
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

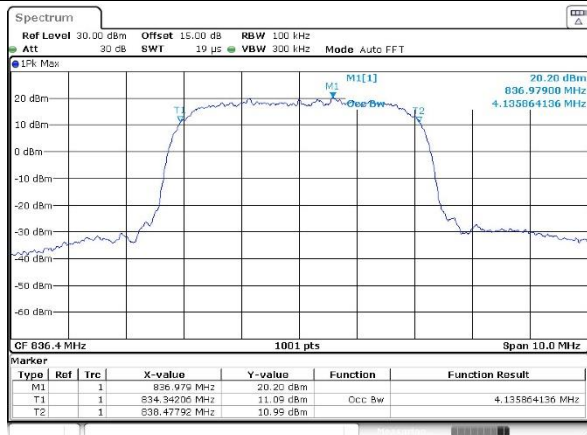


WCDMA Band II (RMC 12.2Kbps)

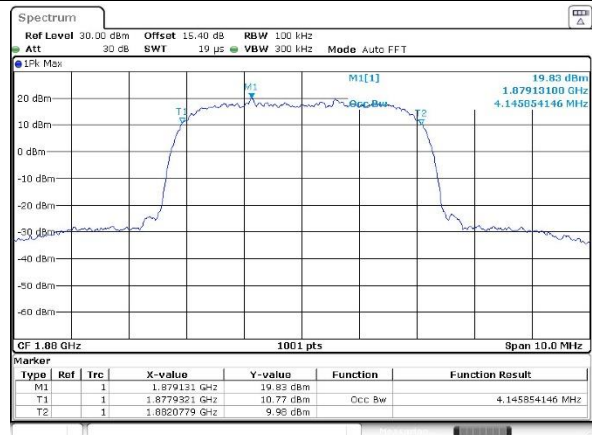
Lowest Channel



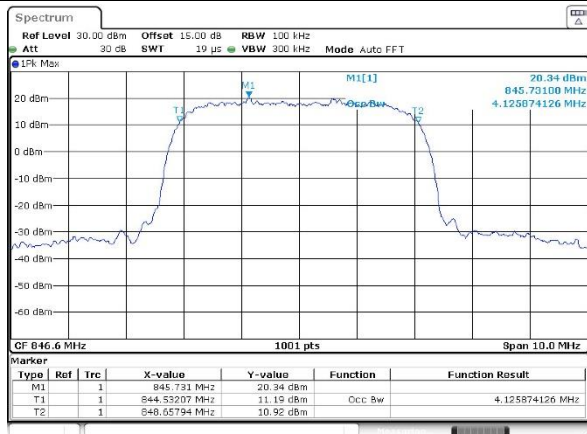
Middle Channel



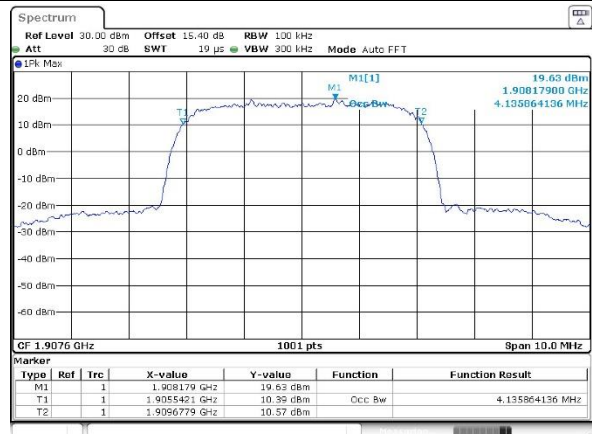
Middle Channel



Highest Channel



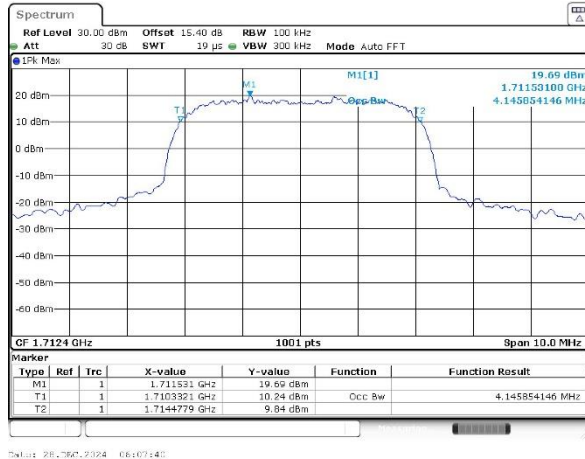
Highest Channel



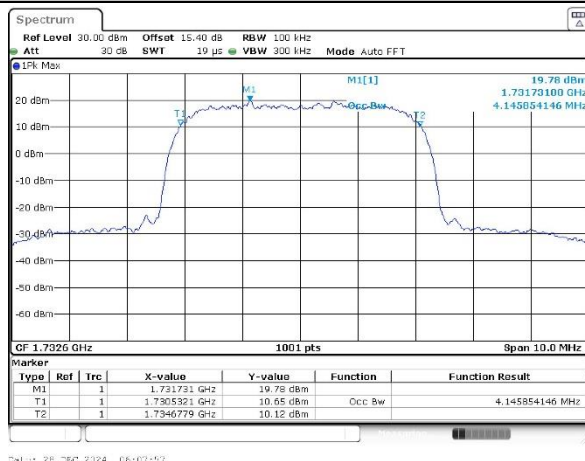


WCDMA Band IV (RMC 12.2Kbps)

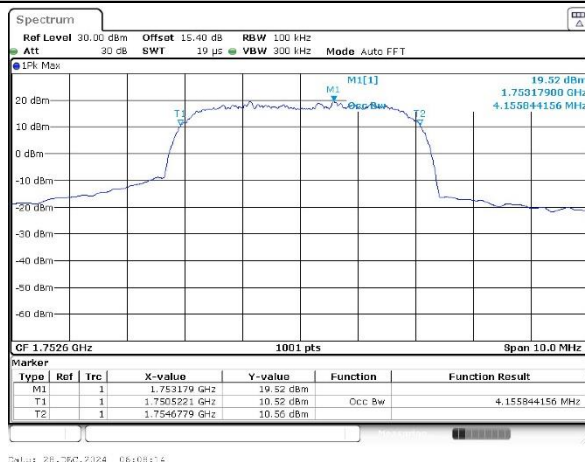
Lowest Channel



Middle Channel

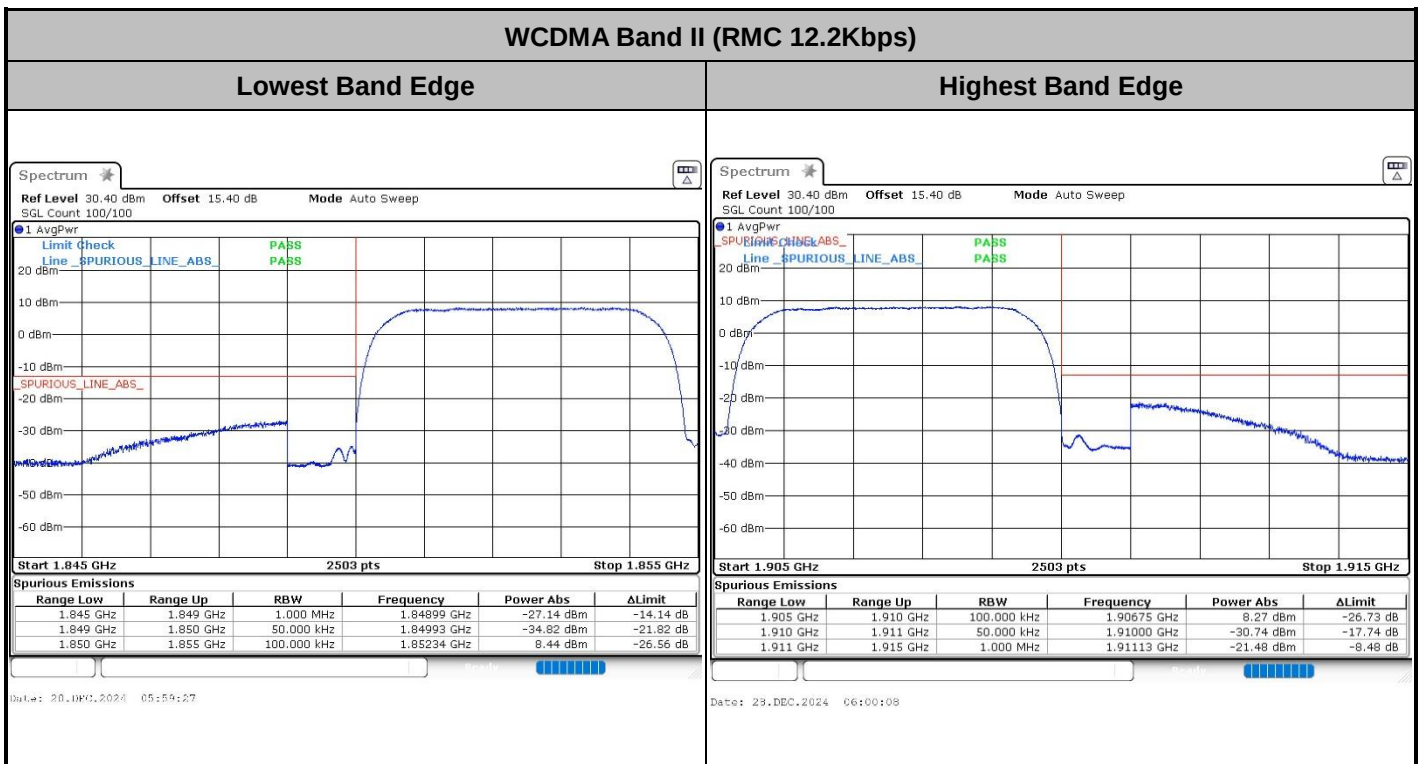
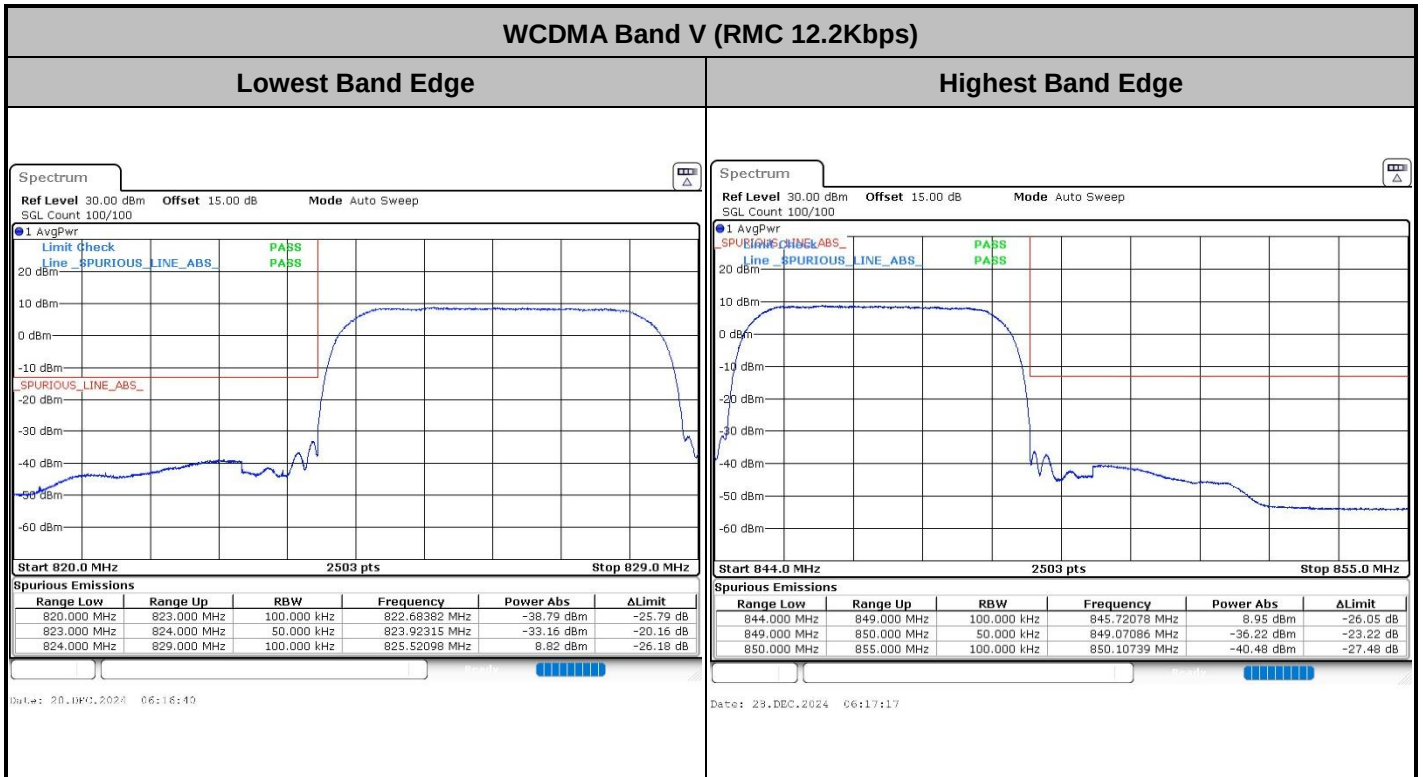


Highest Channel





Conducted Band Edge

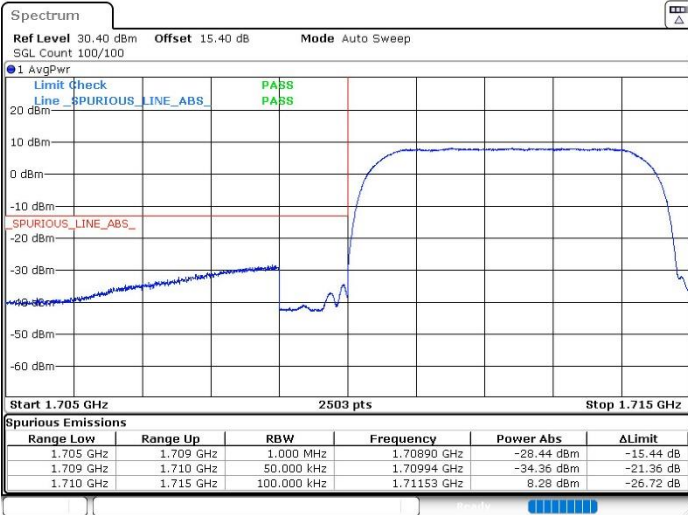




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 20.DEC.2024 06:08:14



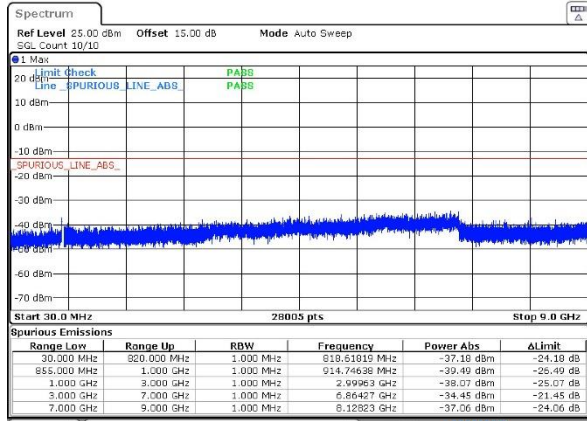
Date: 23.DEC.2024 06:09:11



Conducted Spurious Emission

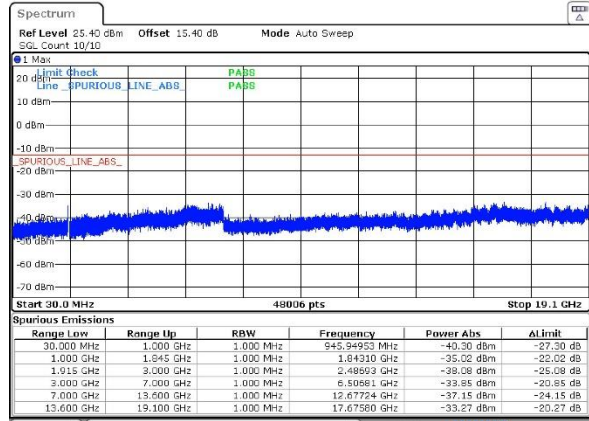
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

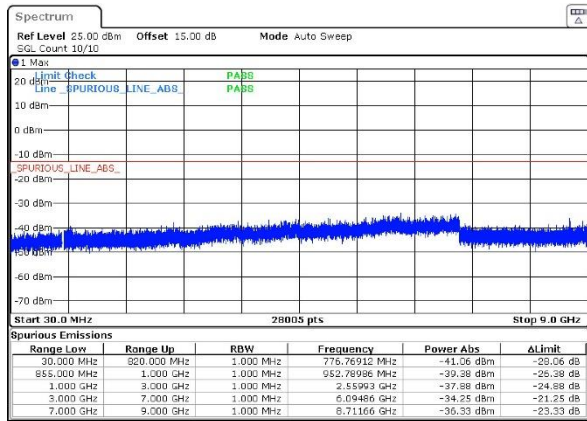


WCDMA Band II (RMC 12.2Kbps)

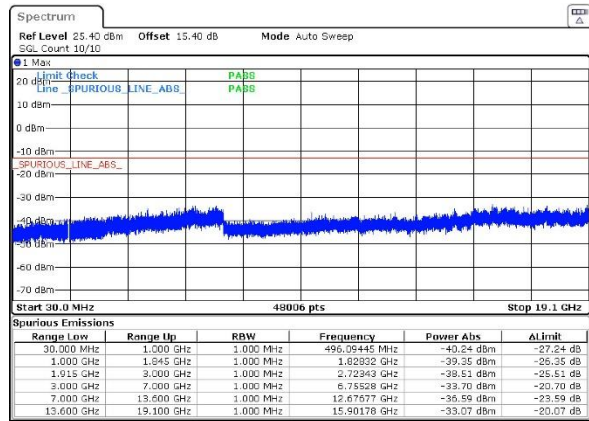
Lowest Channel



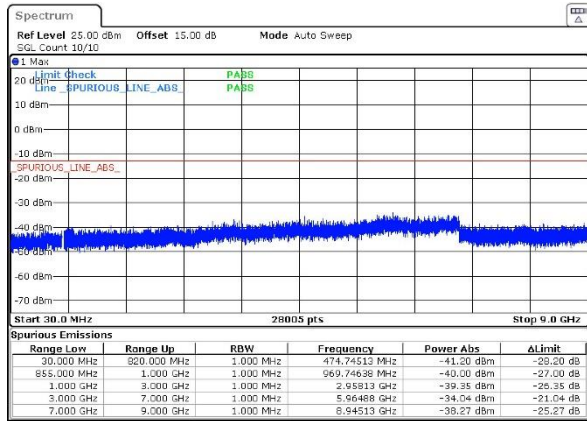
Middle Channel



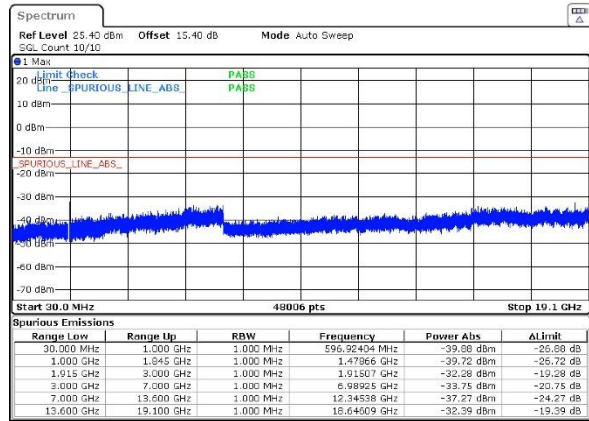
Middle Channel



Highest Channel



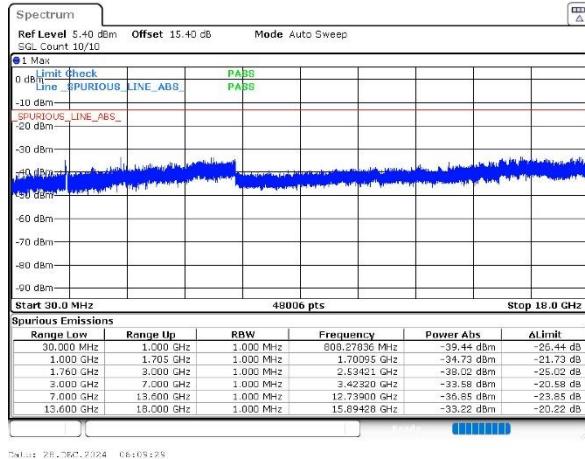
Highest Channel



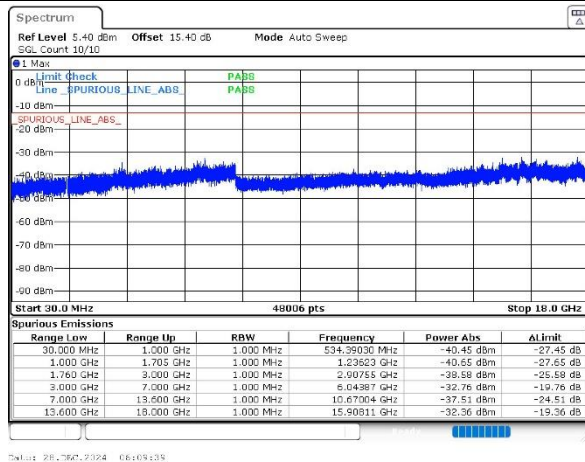


WCDMA Band IV (RMC 12.2Kbps)

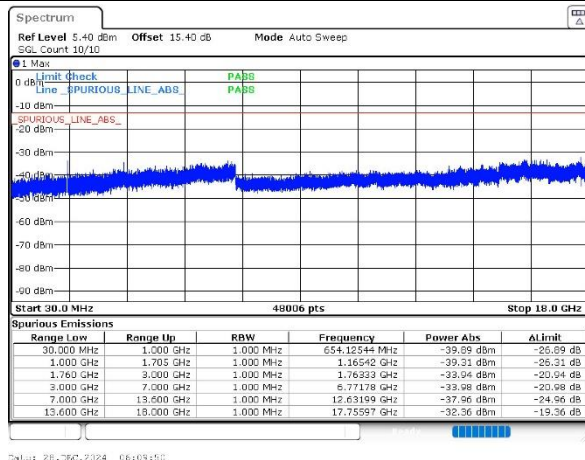
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0363	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0295	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0135	
-30	Normal Voltage	0.0412	
20	Maximum Voltage	0.0339	
20	Normal Voltage	0.0248	
20	Battery End Point	0.0213	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0126	PASS
40	Normal Voltage	0.0366	
30	Normal Voltage	0.0192	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0185	
0	Normal Voltage	0.0145	
-10	Normal Voltage	0.0228	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0118	
20	Normal Voltage	0.0042	
20	Battery End Point	0.0023	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0089	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0139	
20	Maximum Voltage	0.0159	
20	Normal Voltage	0.0258	
20	Battery End Point	0.0163	

Note:

1. Normal Voltage = 3.84V ; Battery End Point (BEP) =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 :	Chris	Temperature :	21~25°C
		Relative Humidity :	51~53%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

GSM850 (GSM) / Ant.1								
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	-55.55	-13	-42.55	-62.52	1.58	10.70	H
	2512	-49.09	-13	-36.09	-57.34	2.102	12.50	H
	3344	-46.15	-13	-33.15	-55.04	2.856	13.90	H
	4184	-58.91	-13	-45.91	-67.37	2.689	13.30	H
	5016	-48.13	-13	-35.13	-55.89	3.093	13.00	H
	5856	-54.59	-13	-41.59	-63.36	3.178	14.10	H
	6688	-53.48	-13	-40.48	-60.72	3.306	12.70	H
	1672	-48.36	-13	-35.36	-55.33	1.58	10.70	V
	2512	-39.12	-13	-26.12	-47.37	2.10	12.50	V
	3344	-50.86	-13	-37.86	-59.75	2.86	13.90	V
	4184	-59.17	-13	-46.17	-67.63	2.69	13.30	V
	5016	-53.57	-13	-40.57	-61.33	3.09	13.00	V
	5856	-55.51	-13	-42.51	-64.28	3.18	14.10	V
	6688	-51.53	-13	-38.53	-58.77	3.31	12.70	V

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

GSM850 (EDGE 1 Tx slots) / Ant.1								
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	-50.28	-13	-37.28	-57.25	1.58	10.70	H
	2512	-53.16	-13	-40.16	-61.41	2.102	12.50	H
	3344	-57.18	-13	-44.18	-66.07	2.856	13.90	H
	1672	-47.74	-13	-34.74	-54.71	1.58	10.70	V
	2512	-55.76	-13	-42.76	-64.01	2.10	12.50	V
	3344	-56.74	-13	-43.74	-65.63	2.86	13.90	V

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



GSM1900 (GSM) / Ant.1								
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	-45.80	-13	-32.80	-58.06	2.641	14.90	H
	5640	-41.49	-13	-28.49	-53.35	2.94	14.80	H
	7500	-51.61	-13	-38.61	-61.38	3.39	13.16	H
	3765	-45.52	-13	-32.52	-57.78	2.64	14.90	V
	5640	-51.56	-13	-38.56	-63.42	2.94	14.80	V
	7500	-52.25	-13	-39.25	-62.02	3.39	13.16	V

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

GSM1900 (EDGE 1 Tx slots) / Ant.1								
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	3762	-49.89	-13	-36.89	-62.15	2.64	14.90	H
	5640	-47.44	-13	-34.44	-59.30	2.94	14.80	H
	7518	-52.00	-13	-39.00	-61.77	3.39	13.16	H
	3762	-54.86	-13	-41.86	-67.12	2.64	14.90	V
	5640	-46.99	-13	-33.99	-58.85	2.94	14.80	V
	7518	-52.16	-13	-39.16	-61.93	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) / Ant.1								
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	-62.97	-13	-49.97	-69.94	1.58	10.70	H
	2512	-59.27	-13	-46.27	-67.52	2.102	12.50	H
	3344	-58.22	-13	-45.22	-67.11	2.856	13.90	H
	1672	-62.12	-13	-49.12	-69.09	1.58	10.70	V
	2512	-58.45	-13	-45.45	-66.70	2.10	12.50	V
	3344	-58.68	-13	-45.68	-67.57	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) / Ant.1								
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	-66.17	-13	-53.17	-78.43	2.641	14.90	H
	5640	-65.62	-13	-52.62	-77.48	2.94	14.80	H
	7515	-63.35	-13	-50.35	-73.12	3.39	13.16	H
	3765	-65.68	-13	-52.68	-77.94	2.64	14.90	V
	5640	-66.35	-13	-53.35	-78.21	2.94	14.80	V
	7515	-63.57	-13	-50.57	-73.34	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) / Ant.1								
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	-41.57	-13	-28.57	-52.31	2.604	13.34	H
	5205	-52.00	-13	-39.00	-62.51	3.011	13.52	H
	6930	-54.44	-13	-41.44	-64.64	3.271	13.47	H
	3465	-42.80	-13	-29.80	-53.54	2.604	13.34	V
	5205	-51.41	-13	-38.41	-61.92	3.011	13.52	V
	6930	-54.55	-13	-41.55	-64.75	3.271	13.47	V

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