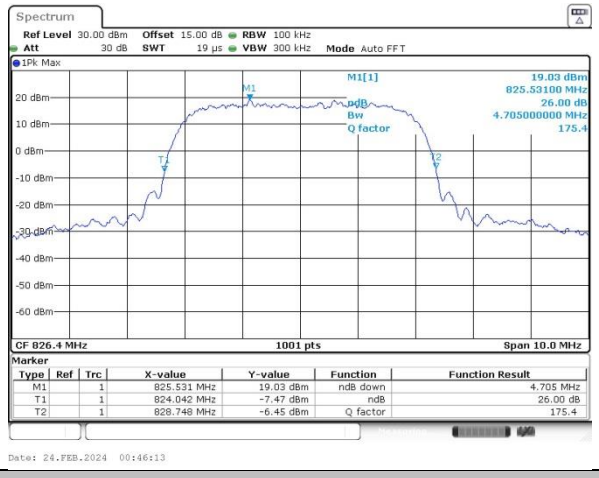
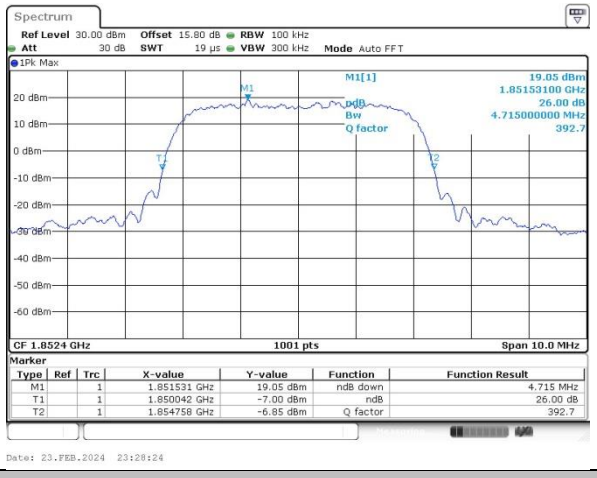
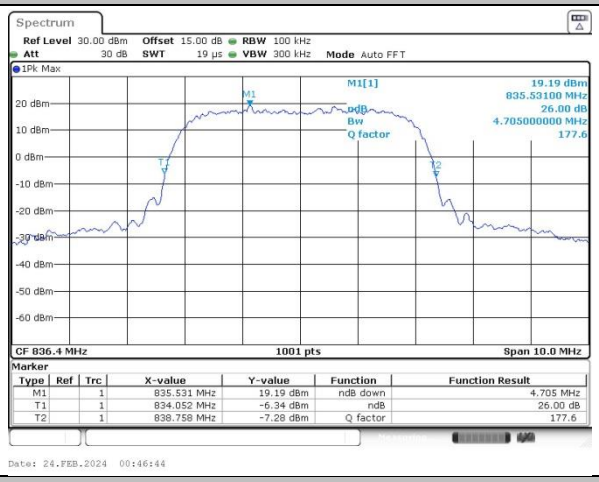
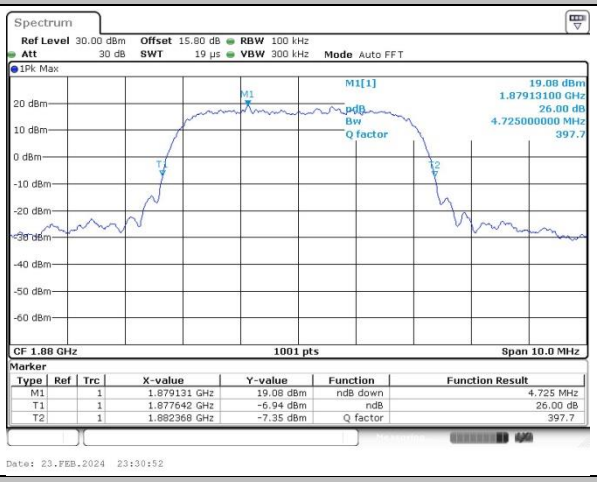
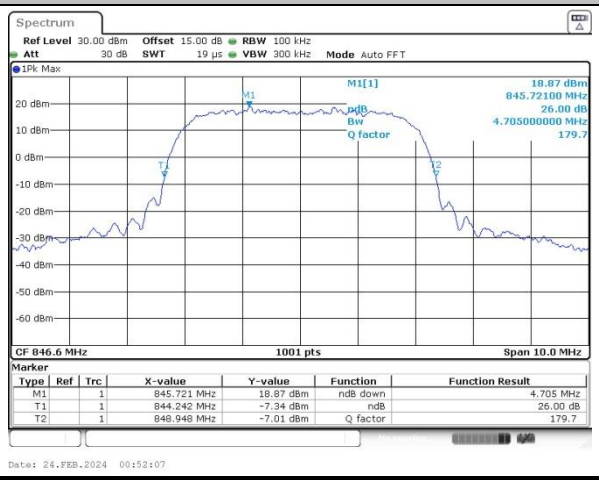
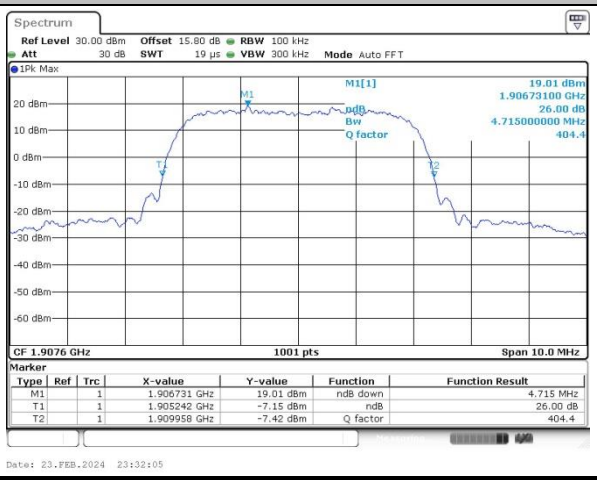
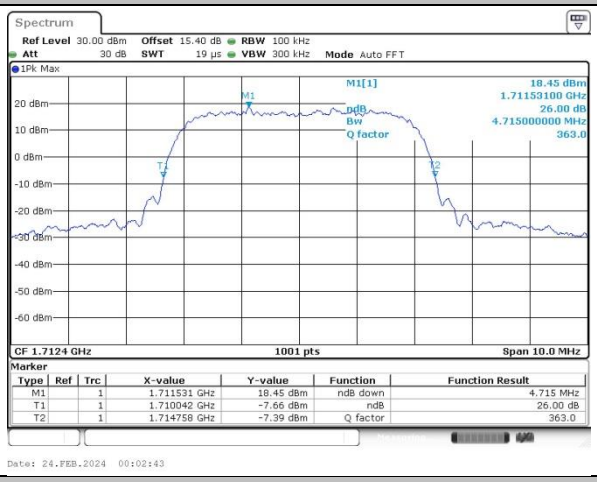
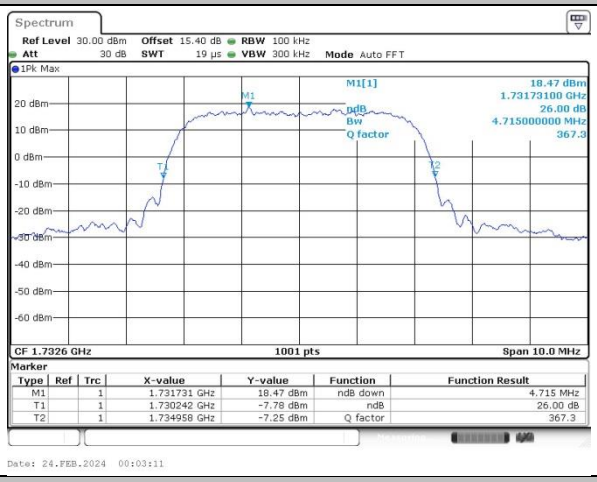
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

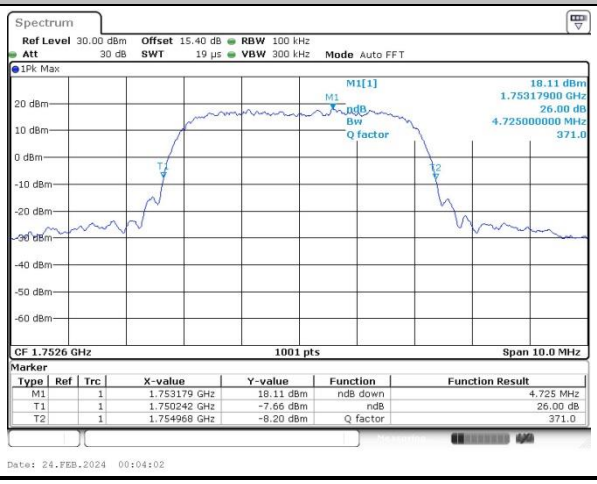
Lowest Channel



Middle Channel

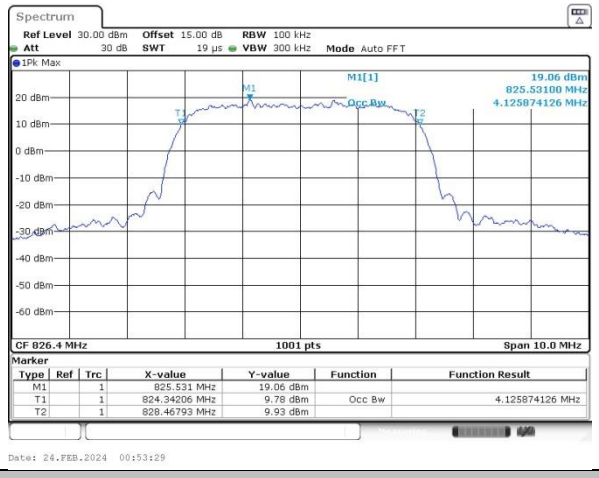
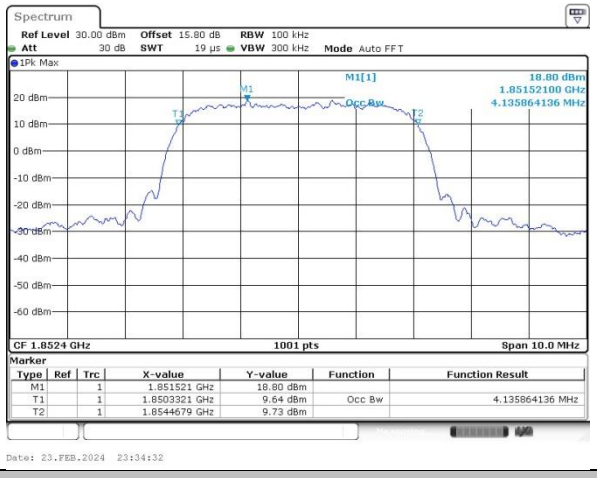
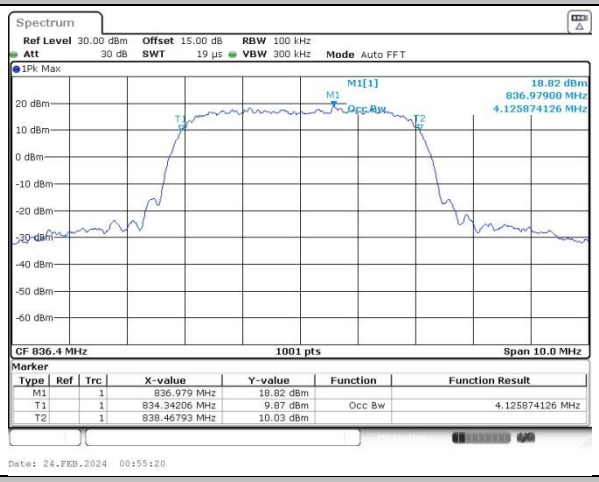
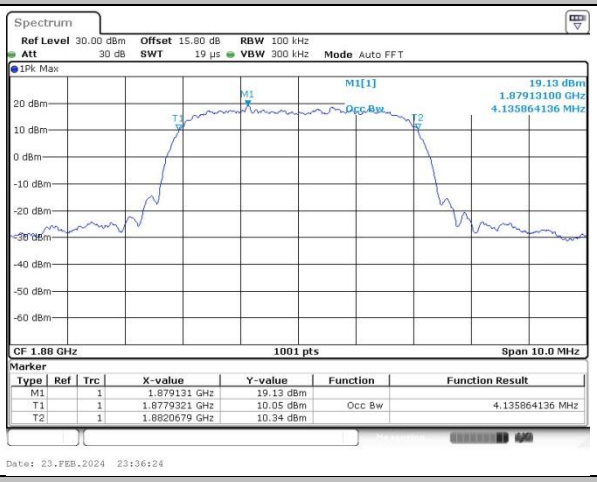
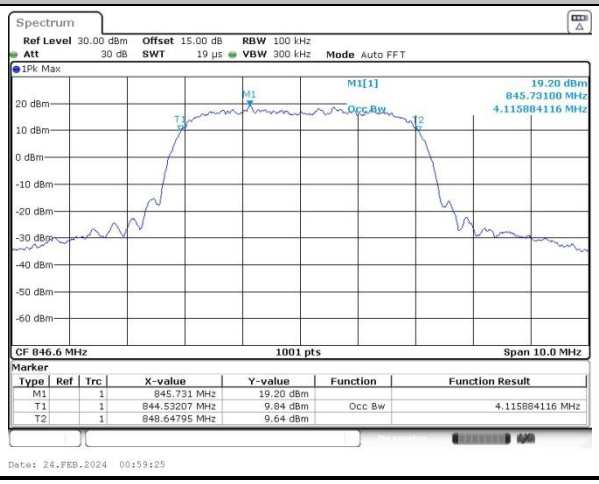
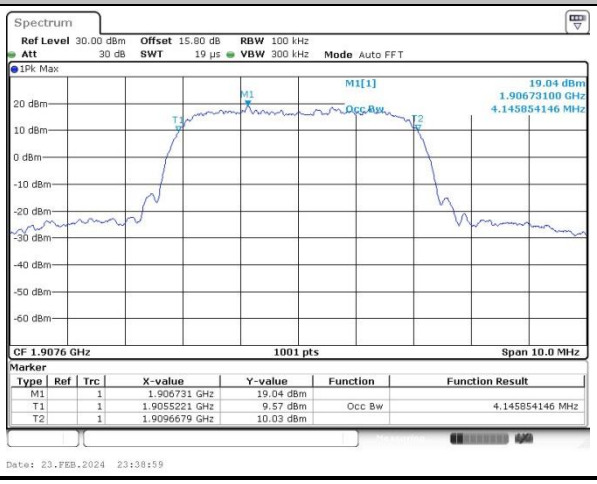


Highest Channel



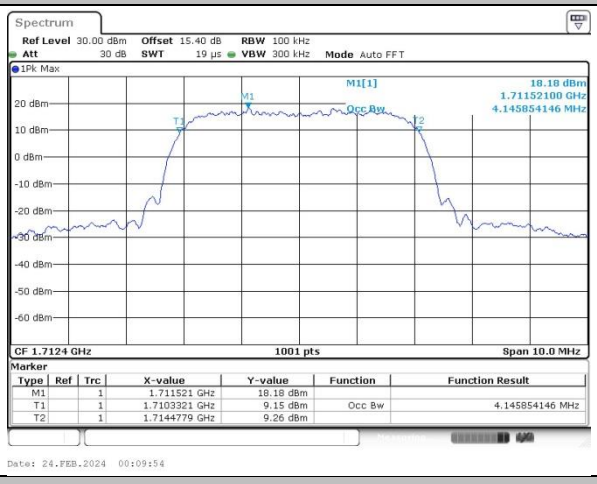
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.136	4.146
Middle CH	4.126	4.136	4.146
Highest CH	4.116	4.146	4.146

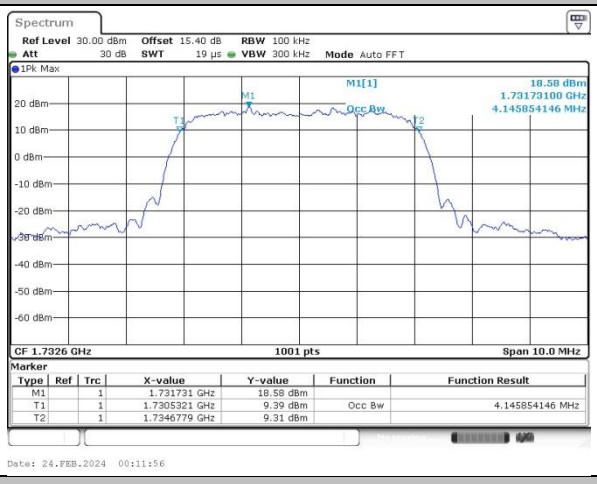
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

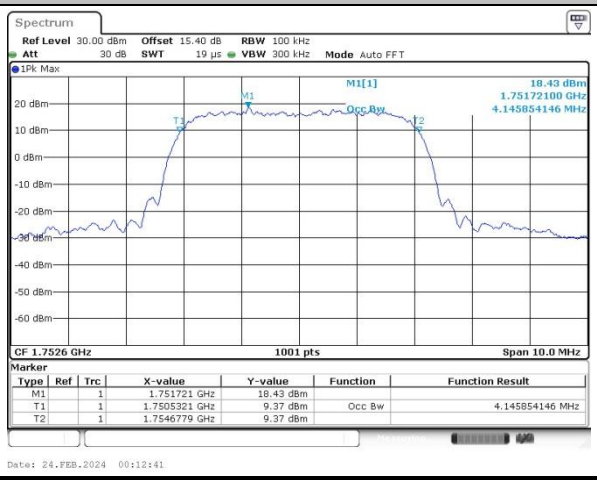
Lowest Channel



Middle Channel



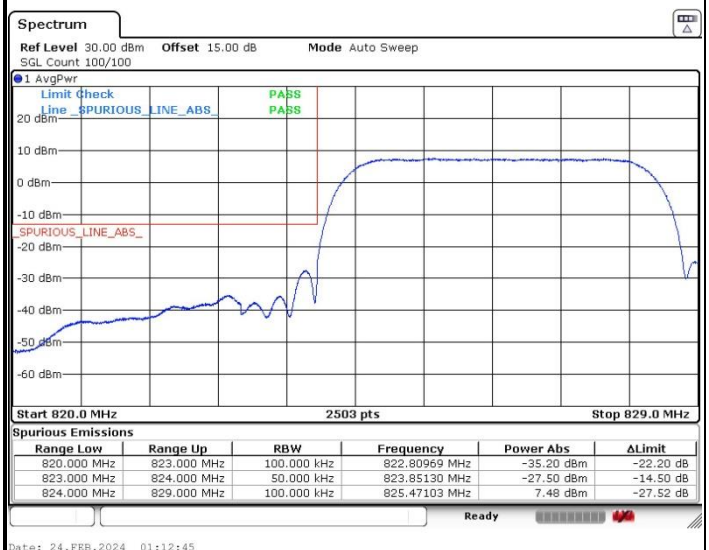
Highest Channel



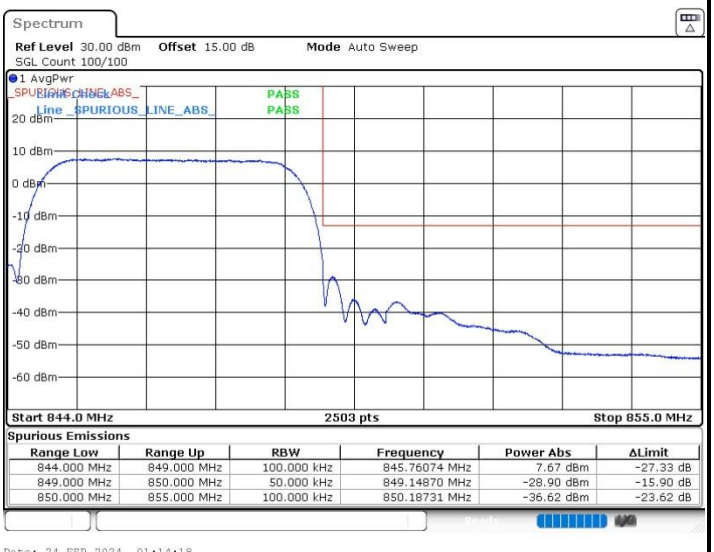
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

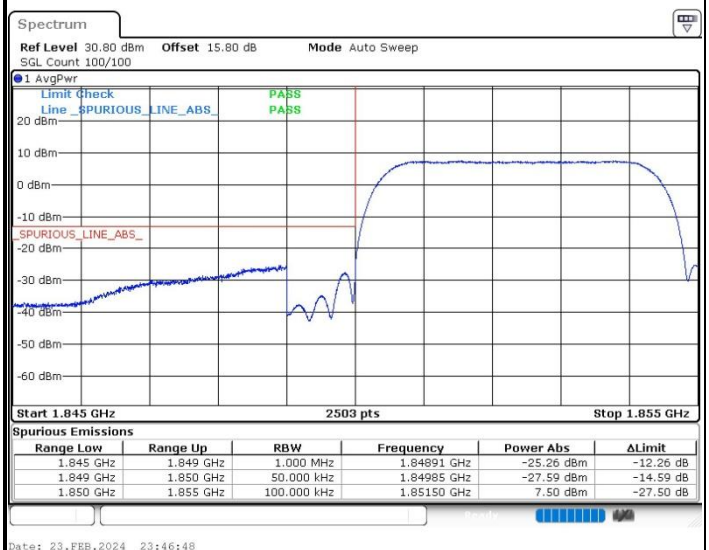


Highest Band Edge

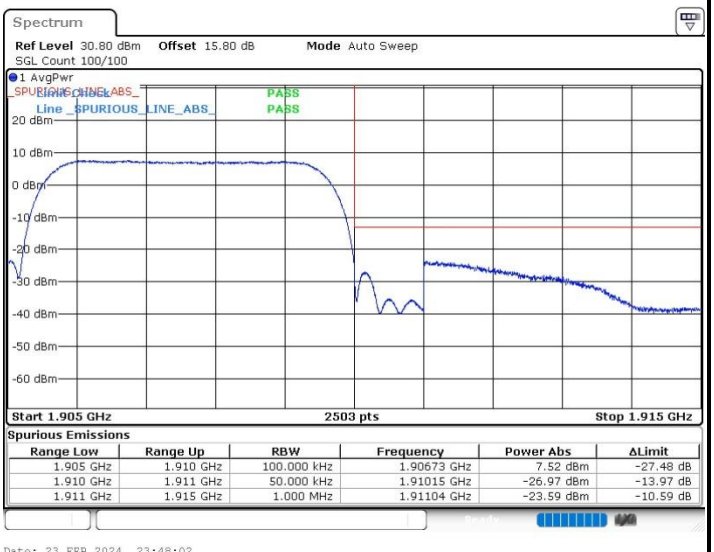


WCDMA Band II (RMC 12.2Kbps)

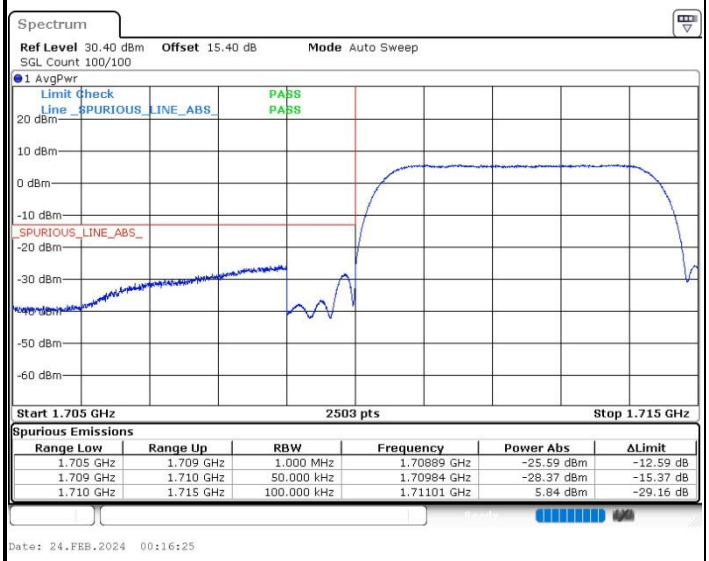
Lowest Band Edge

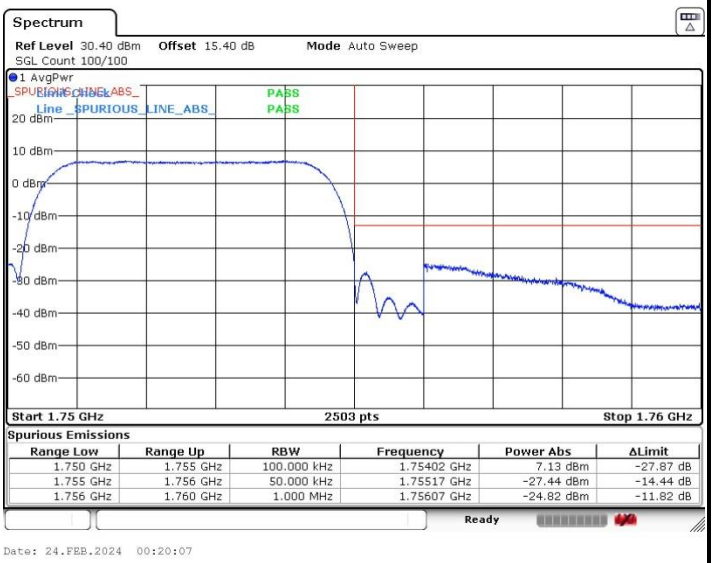


Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

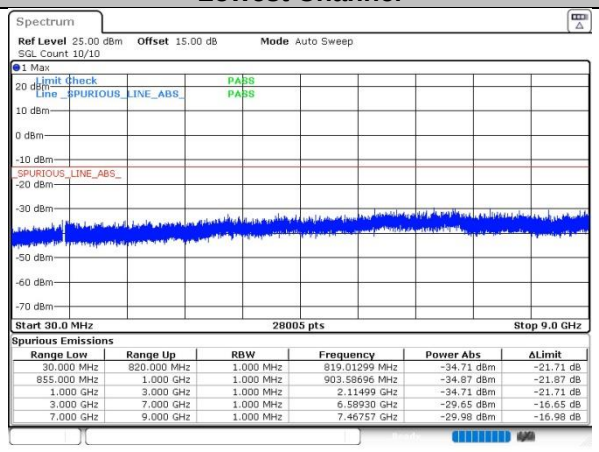




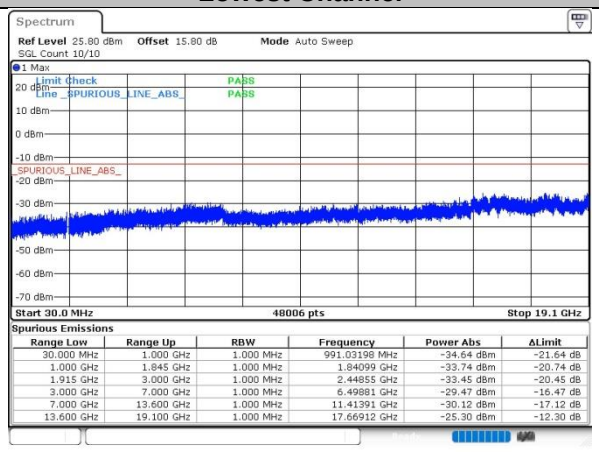
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

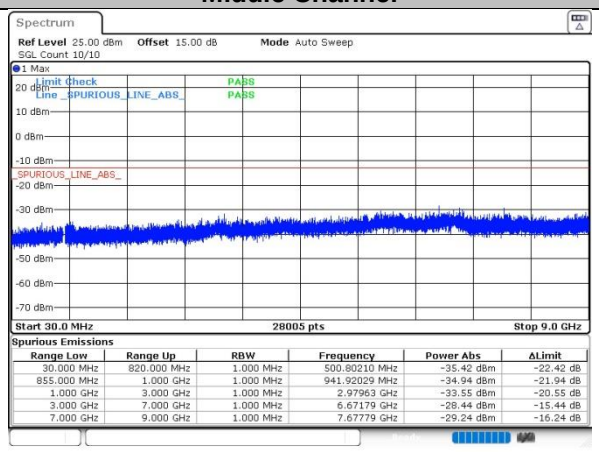
Lowest Channel



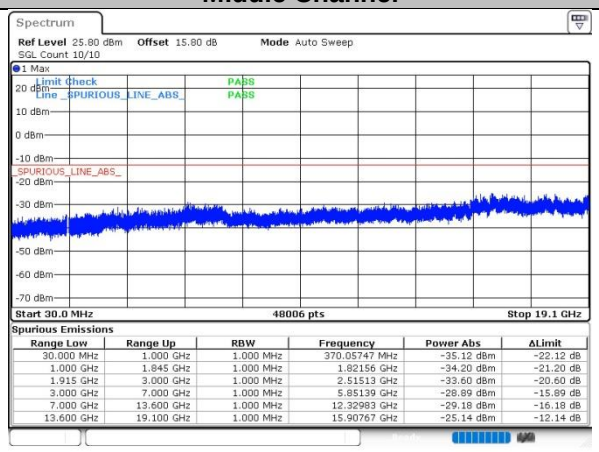
Lowest Channel



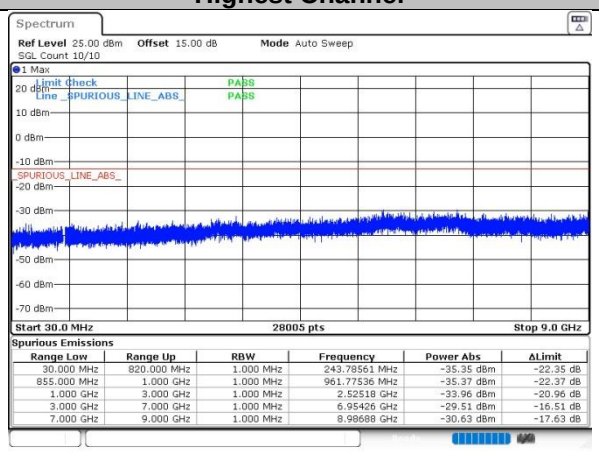
Middle Channel



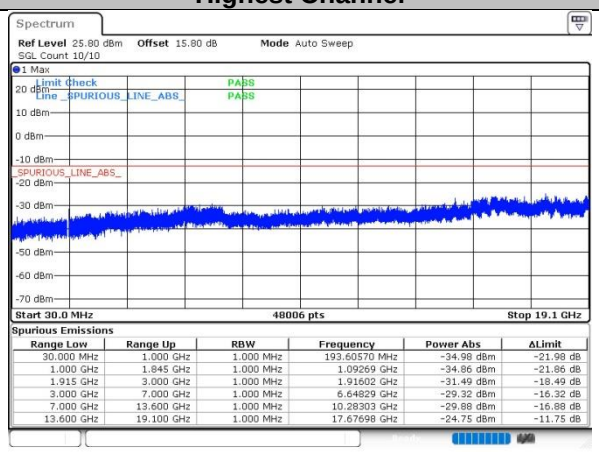
Middle Channel



Highest Channel

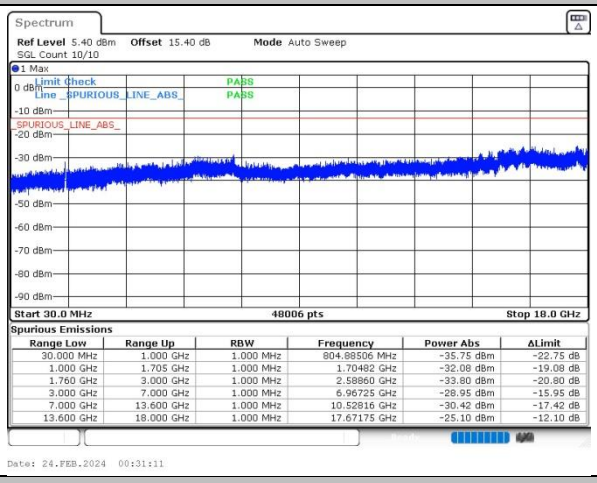


Highest Channel



WCDMA Band IV (RMC 12.2Kbps)

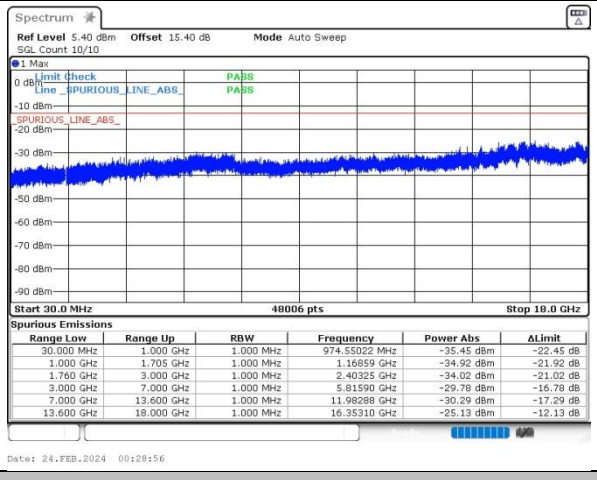
Lowest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	804.88506 MHz	-35.75 dBm	-22.75 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.70482 GHz	-32.08 dBm	-19.08 dB
1.760 GHz	3.000 GHz	1.000 MHz	2.58860 GHz	-33.80 dBm	-20.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96725 GHz	-28.95 dBm	-15.95 dB
7.000 GHz	13.600 GHz	1.000 MHz	10.52816 GHz	-30.42 dBm	-17.42 dB
13.600 GHz	18.000 GHz	1.000 MHz	17.67175 GHz	-25.10 dBm	-12.10 dB

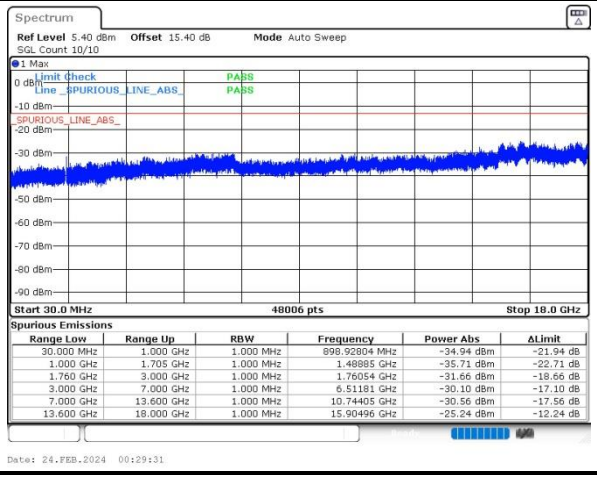
Middle Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-35.45 dBm	-22.45 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.16859 GHz	-34.92 dBm	-21.92 dB
1.760 GHz	3.000 GHz	1.000 MHz	2.40325 GHz	-34.02 dBm	-21.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.81590 GHz	-29.78 dBm	-16.78 dB
7.000 GHz	13.600 GHz	1.000 MHz	11.98288 GHz	-30.29 dBm	-17.29 dB
13.600 GHz	18.000 GHz	1.000 MHz	16.35310 GHz	-25.13 dBm	-12.13 dB

Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.92804 MHz	-34.94 dBm	-21.94 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.48885 GHz	-35.71 dBm	-22.71 dB
1.760 GHz	3.000 GHz	1.000 MHz	1.76054 GHz	-31.66 dBm	-18.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.51181 GHz	-30.10 dBm	-17.10 dB
7.000 GHz	13.600 GHz	1.000 MHz	10.74405 GHz	-30.56 dBm	-17.56 dB
13.600 GHz	18.000 GHz	1.000 MHz	15.90496 GHz	-25.24 dBm	-12.24 dB

Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0041	PASS
40	Normal Voltage	0.0088	
30	Normal Voltage	0.0372	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0144	
0	Normal Voltage	0.0327	
-10	Normal Voltage	0.0094	
-20	Normal Voltage	0.0268	
-30	Normal Voltage	0.0341	
20	Maximum Voltage	0.0423	
20	Normal Voltage	0.0259	
20	Battery End Point	0.0171	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0129	PASS
40	Normal Voltage	0.0235	
30	Normal Voltage	0.0147	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0242	
0	Normal Voltage	0.0175	
-10	Normal Voltage	0.0239	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0145	
20	Maximum Voltage	0.0274	
20	Normal Voltage	0.0355	
20	Battery End Point	0.0196	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0075	PASS
40	Normal Voltage	0.0139	
30	Normal Voltage	0.0221	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0132	
-10	Normal Voltage	0.0269	
-20	Normal Voltage	0.0224	
-30	Normal Voltage	0.0109	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0125	
20	Battery End Point	0.0131	

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 :	Jake zhou	Temperature :	23~25℃
		Relative Humidity :	41~42%

GSM850 (GSM) / ANT0								
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	-45.06	-13	-32.06	-52.03	1.58	10.70	H
	2512	-26.73	-13	-13.73	-34.98	2.102	12.50	H
	3344	-56.49	-13	-43.49	-65.38	2.856	13.90	H
	4184	-24.74	-13	-11.74	-32.50	3.093	13.00	H
	5016	-29.95	-13	-16.95	-38.72	3.178	14.10	H
	5856	-40.73	-13	-27.73	-47.97	3.306	12.70	H
	6688	-34.41	-13	-21.41	-41.79	3.621	13.15	H
	7528	-31.64	-13	-18.64	-39.33	3.406	13.25	H
	8360	-46.43	-13	-33.43	-54.21	3.406	13.34	H
	1672	-43.46	-13	-30.46	-50.43	1.58	10.70	V
	2512	-26.23	-13	-13.23	-34.48	2.10	12.50	V
	3344	-49.80	-13	-36.80	-58.69	2.86	13.90	V
	4184	-23.95	-13	-10.95	-31.71	3.09	13.00	V
	5016	-26.87	-13	-13.87	-35.64	3.18	14.10	V
	5856	-36.39	-13	-23.39	-43.63	3.31	12.70	V
	6688	-31.28	-13	-18.28	-39.28	3.00	13.15	V
	7528	-23.99	-13	-10.99	-30.76	3.56	12.48	V
	8360	-39.40	-13	-26.40	-47.46	3.48	13.69	V

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

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	-46.03	-13	-33.03	-53.00	1.58	10.70	H
	2512	-26.16	-13	-13.16	-34.41	2.102	12.50	H
	3344	-55.22	-13	-42.22	-64.11	2.856	13.90	H
	1672	-36.89	-13	-23.89	-43.86	1.58	10.70	V
	2512	-26.27	-13	-13.27	-34.52	2.10	12.50	V
	3344	-50.14	-13	-37.14	-59.03	2.86	13.90	V

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

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	-72.41	-13	-59.41	-79.38	1.58	10.70	H
	2512	-68.75	-13	-55.75	-77.00	2.102	12.50	H
	3344	-67.99	-13	-54.99	-76.88	2.856	13.90	H
	1672	-72.40	-13	-59.40	-79.37	1.58	10.70	V
	2512	-68.47	-13	-55.47	-76.72	2.10	12.50	V
	3344	-68.33	-13	-55.33	-77.22	2.86	13.90	V

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

GSM1900 (GSM) / ANT1								
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	3765	-62.97	-13	-49.97	-75.23	2.641	14.90	H
	5640	-48.90	-13	-35.90	-60.76	2.94	14.80	H
	7515	-58.23	-13	-45.23	-68.00	3.39	13.16	H
	3765	-62.53	-13	-49.53	-74.79	2.64	14.90	V
	5640	-50.92	-13	-37.92	-62.78	2.94	14.80	V
	7515	-58.87	-13	-45.87	-68.64	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-65.34	-13	-52.34	-77.60	2.641	14.90	H
	5640	-52.14	-13	-39.14	-64.00	2.94	14.80	H
	7515	-58.73	-13	-45.73	-68.50	3.39	13.16	H
	3765	-65.30	-13	-52.30	-77.56	2.64	14.90	V
	5640	-52.97	-13	-39.97	-64.83	2.94	14.80	V
	7515	-58.29	-13	-45.29	-68.06	3.39	13.16	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3765	-66.69	-13	-53.69	-78.95	2.64	14.90	H
	5640	-61.34	-13	-48.34	-73.20	2.94	14.80	H
	7515	-58.60	-13	-45.60	-68.37	3.39	13.16	H
	3765	-67.04	-13	-54.04	-79.30	2.64	14.90	V
	5640	-61.21	-13	-48.21	-73.07	2.94	14.80	V
	7515	-58.47	-13	-45.47	-68.24	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-67.19	-13	-54.19	-77.93	2.604	13.34	H
	5205	-61.01	-13	-48.01	-71.52	3.011	13.52	H
	6930	-59.19	-13	-46.19	-69.39	3.271	13.47	H
	3465	-67.31	-13	-54.31	-78.05	2.604	13.34	V
	5205	-61.76	-13	-48.76	-72.27	3.011	13.52	V
	6930	-59.52	-13	-46.52	-69.72	3.271	13.47	V

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