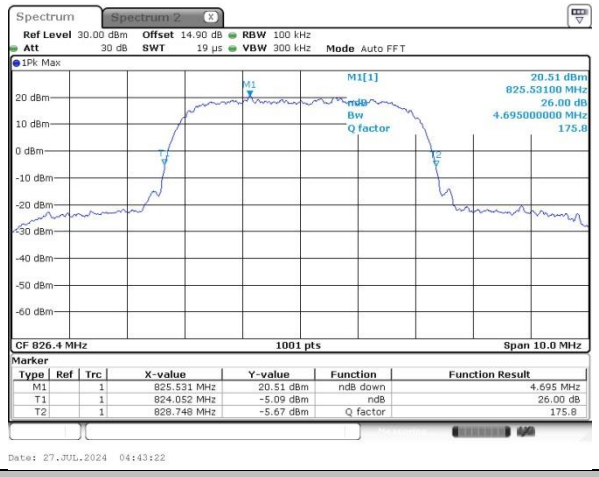
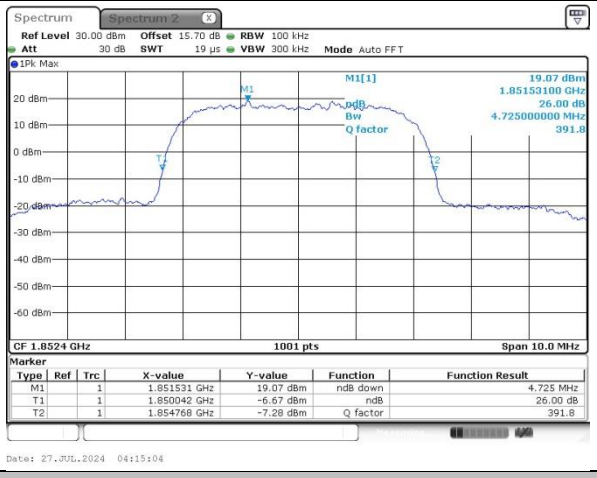
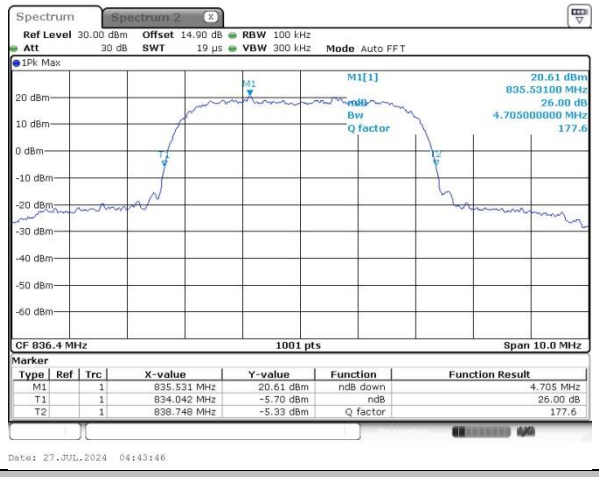
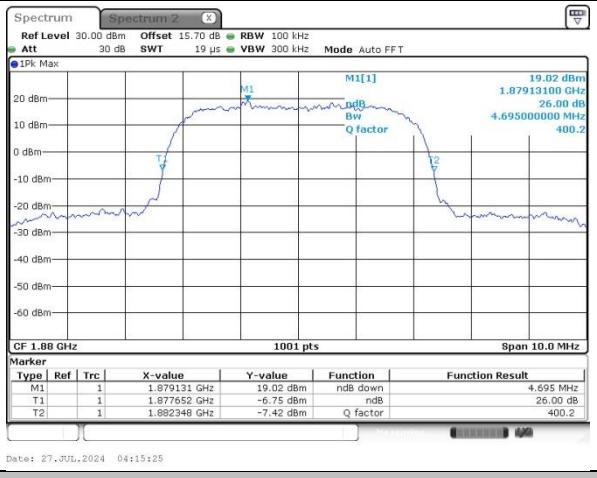
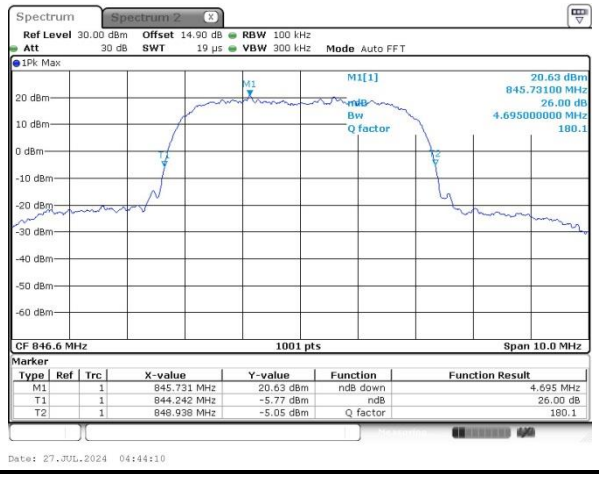
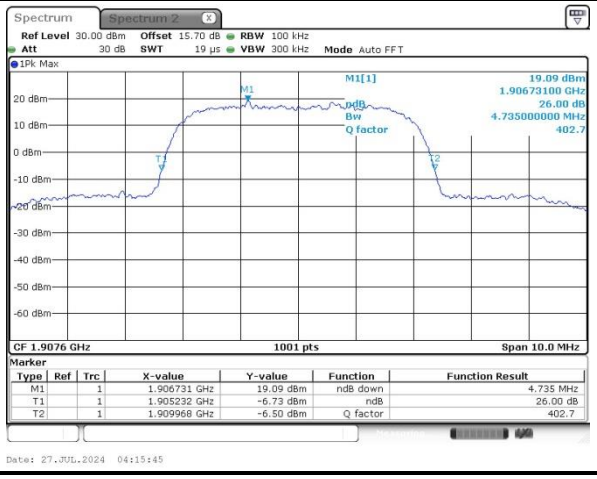
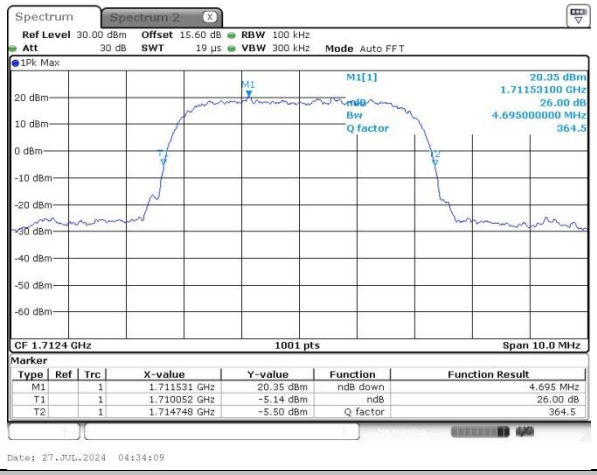
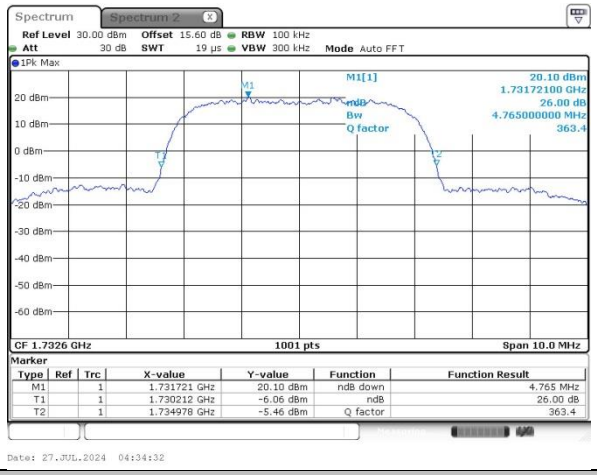
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channl	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

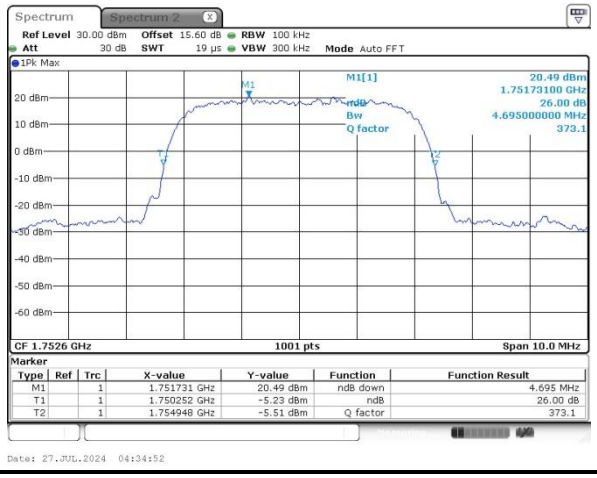
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel



Middle Channel

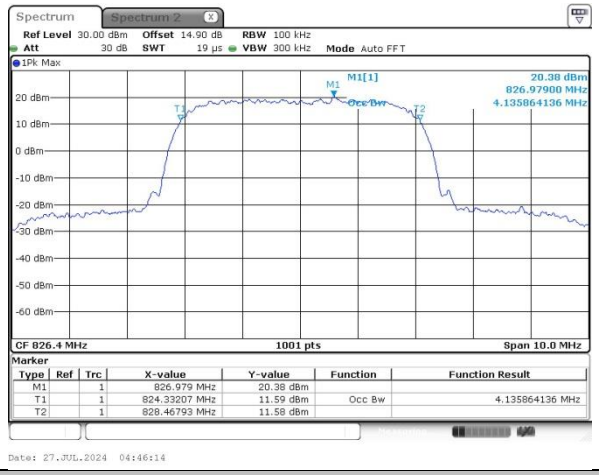
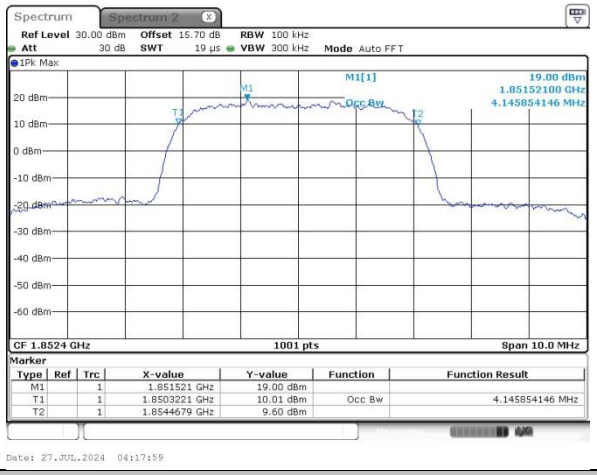
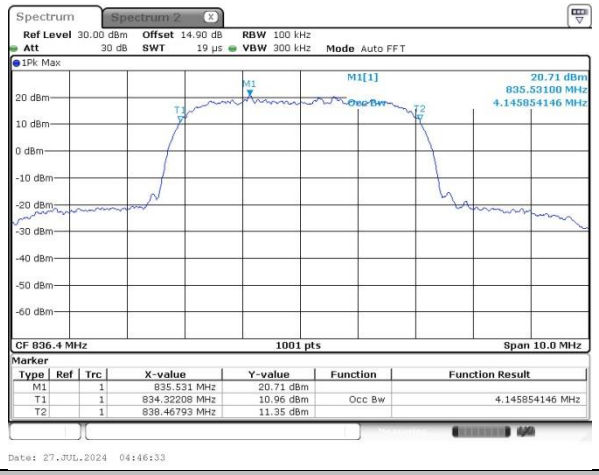
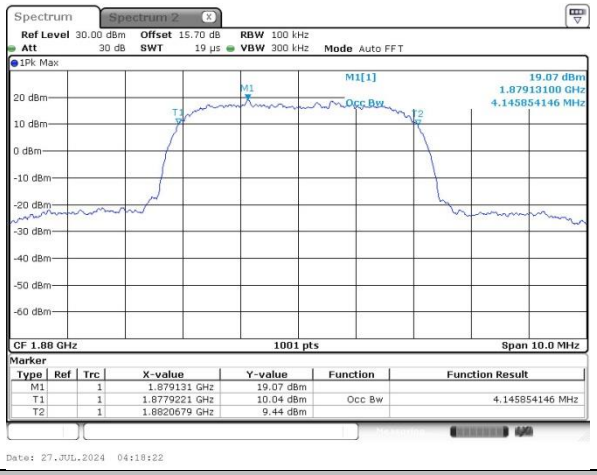
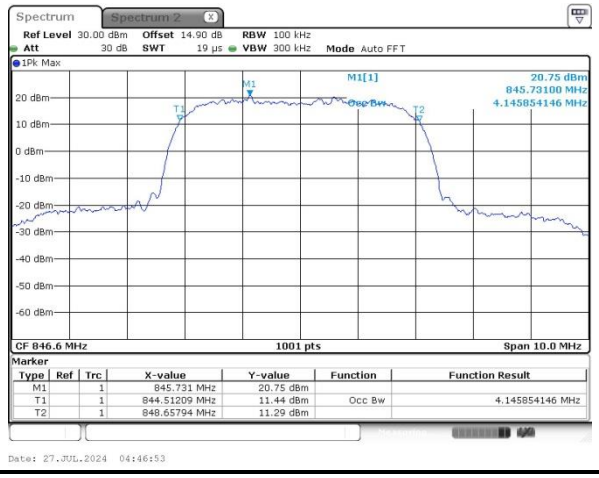
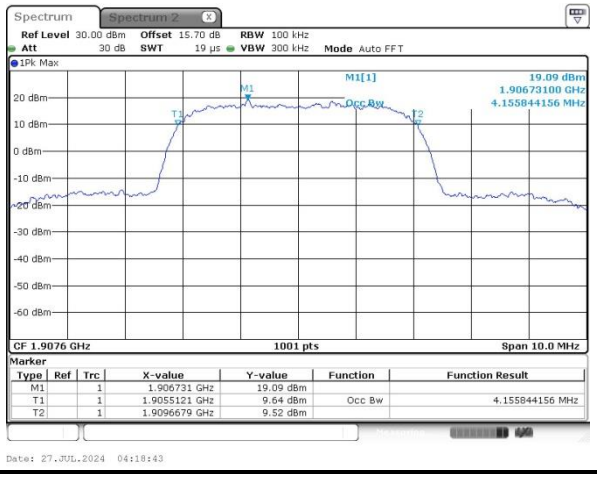


Highest Channel

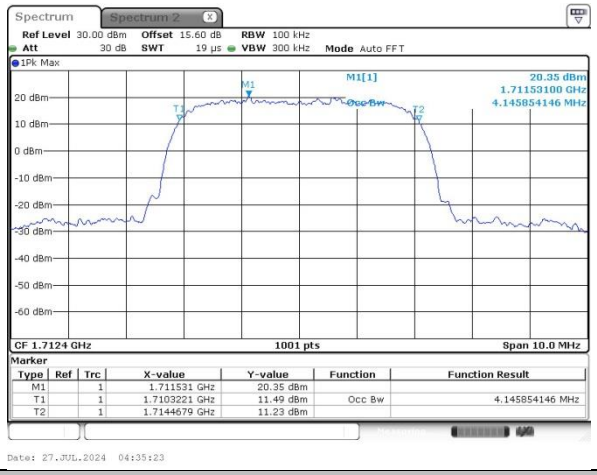


Occupied Bandwidth

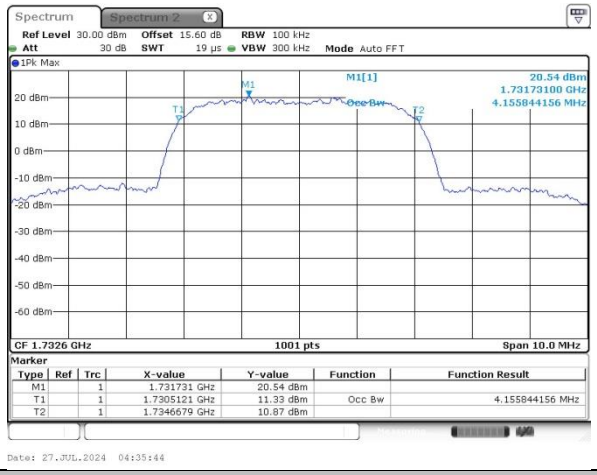
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.146	4.146
Middle CH	4.146	4.146	4.156
Highest CH	4.146	4.156	4.146

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

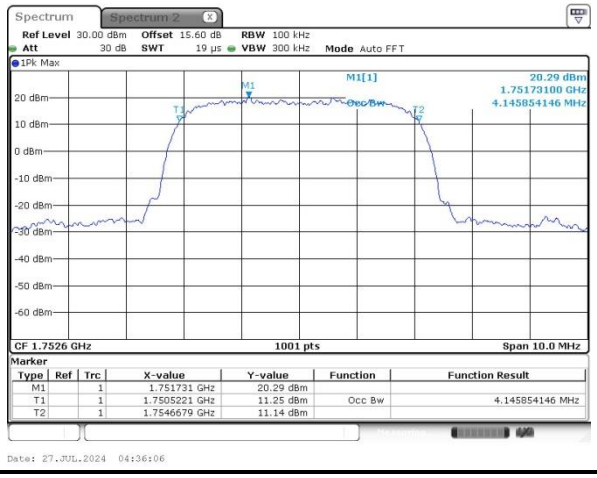
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel



Middle Channel



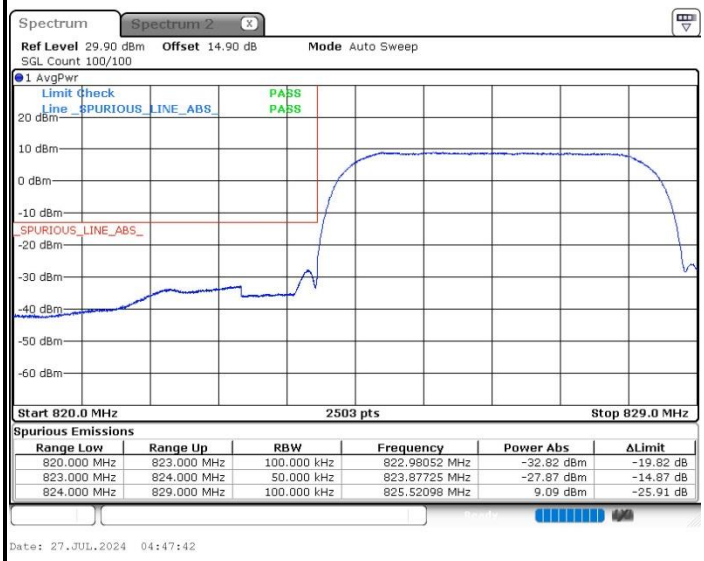
Highest Channel



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
820.000 MHz	823.000 MHz	100.000 kHz	822.98052 MHz	-32.82 dBm	-19.82 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.87725 MHz	-27.87 dBm	-14.87 dB
824.000 MHz	829.000 MHz	100.000 kHz	825.52098 MHz	9.09 dBm	-25.91 dB

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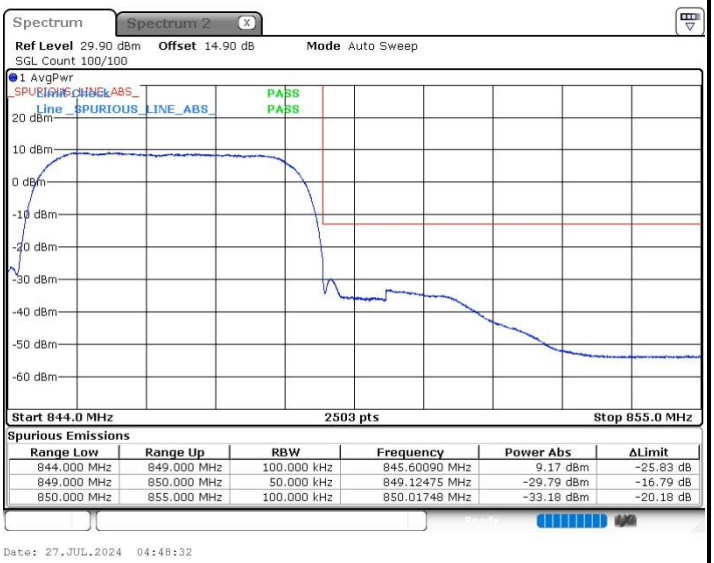
Highest Band Edge



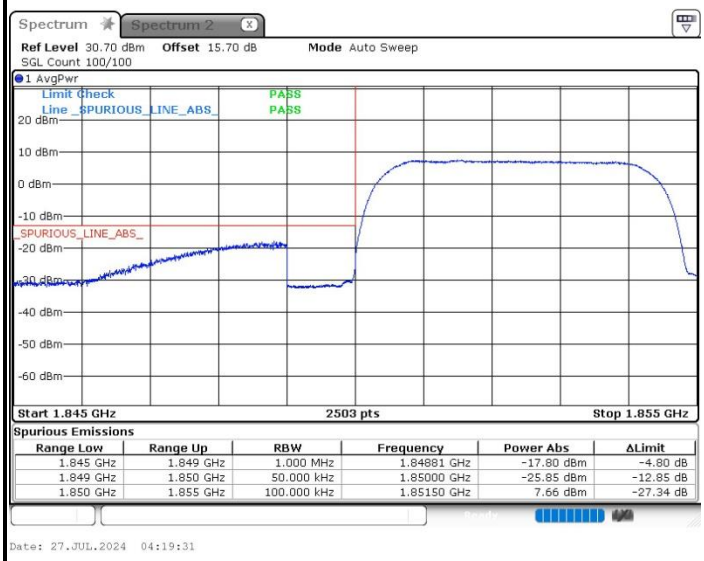
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.60090 MHz	9.17 dBm	-25.83 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.12475 MHz	-29.79 dBm	-16.79 dB
850.000 MHz	855.000 MHz	100.000 kHz	850.01748 MHz	-33.18 dBm	-20.18 dB

Date: 27.JUL.2024 04:48:32

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.845 GHz	1.849 GHz	1.000 MHz	1.84881 GHz	-17.80 dBm	-4.80 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-25.85 dBm	-12.85 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85150 GHz	7.66 dBm	-27.34 dB

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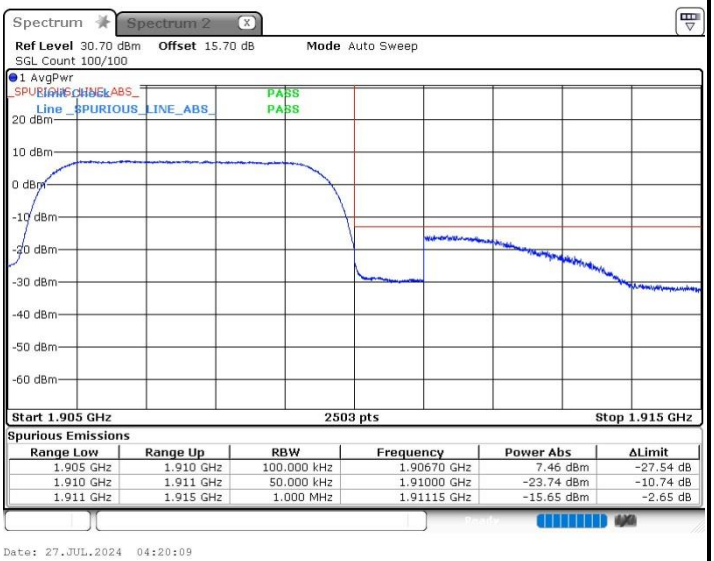
Highest Band Edge



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90670 GHz	7.46 dBm	-27.54 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-23.74 dBm	-10.74 dB
1.911 GHz	1.915 GHz	1.000 MHz	1.91115 GHz	-15.65 dBm	-2.65 dB

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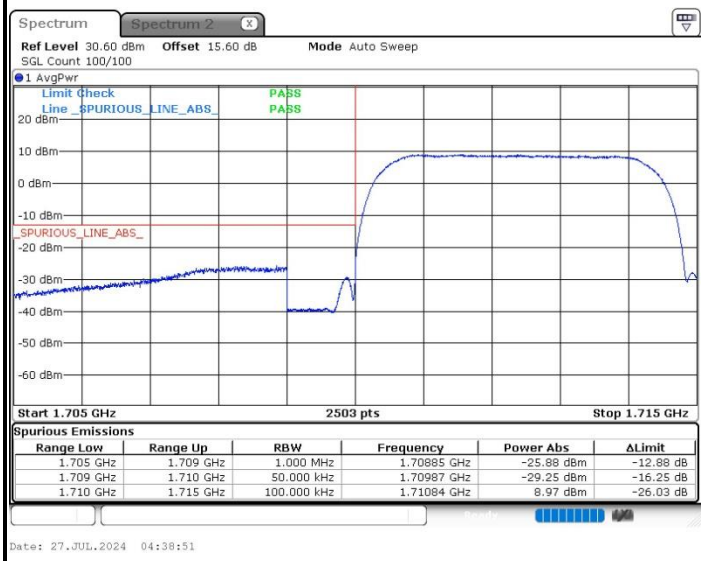
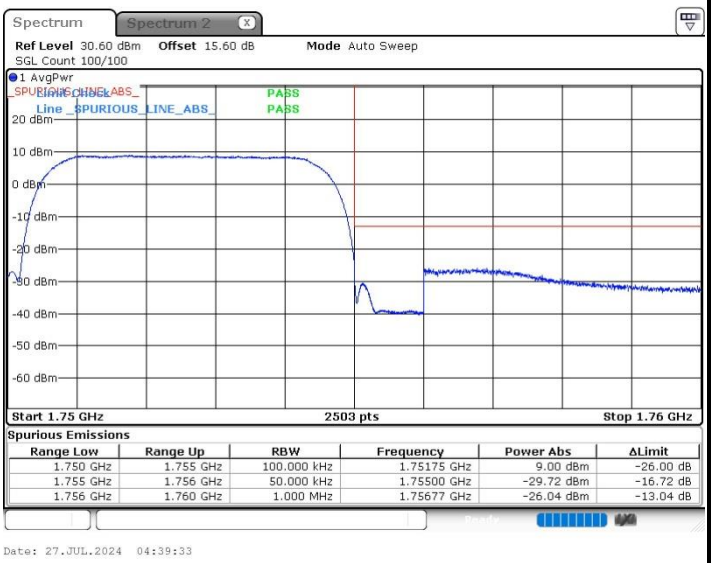
WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

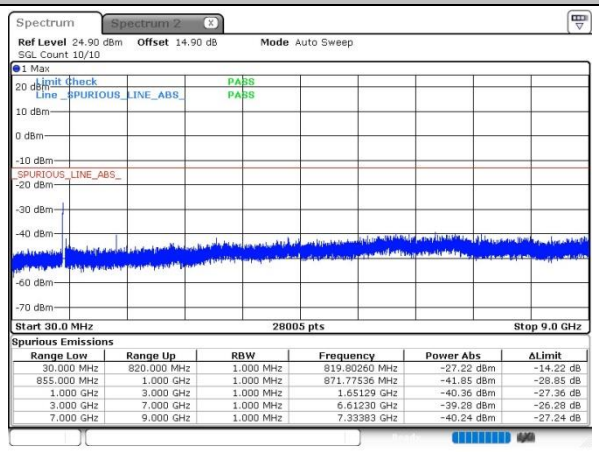




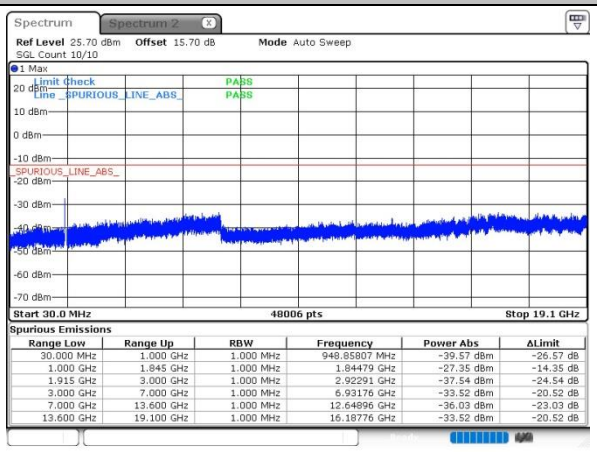
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

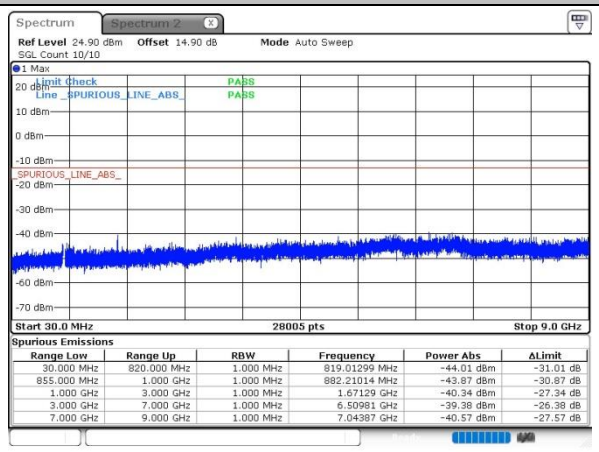
Lowest Channel



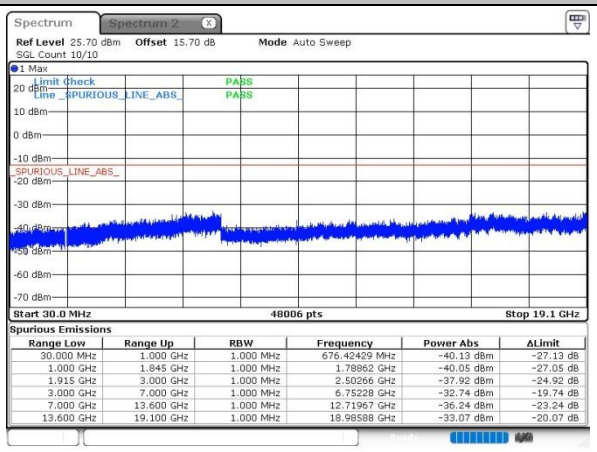
Lowest Channel



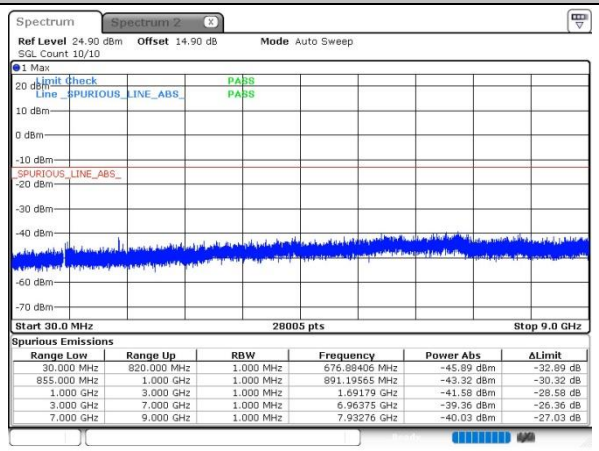
Middle Channel



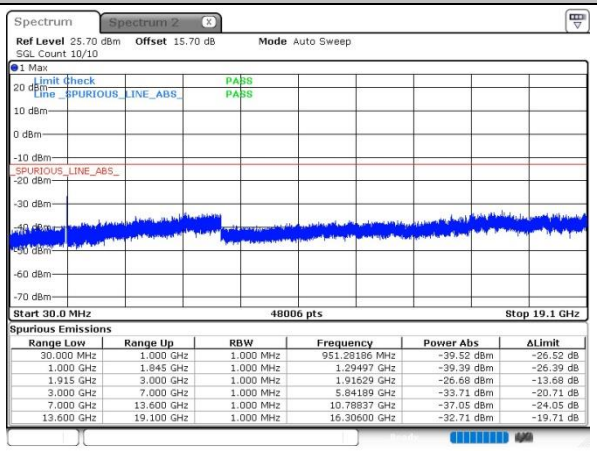
Middle Channel



Highest Channel

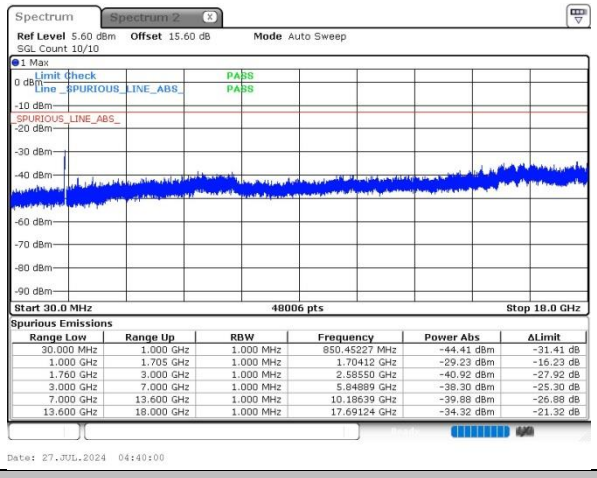


Highest Channel

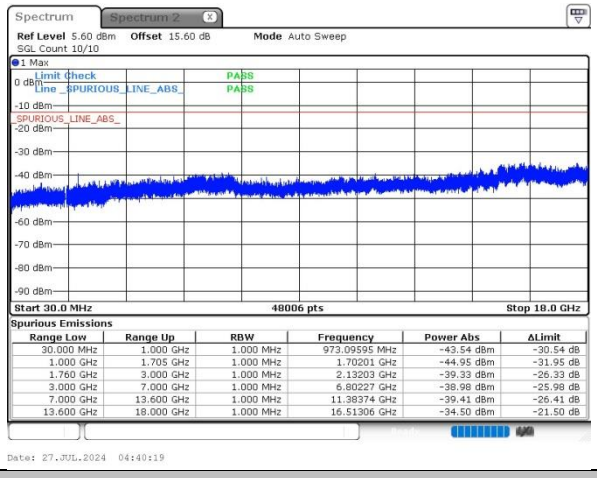


WCDMA Band IV (RMC 12.2Kbps)

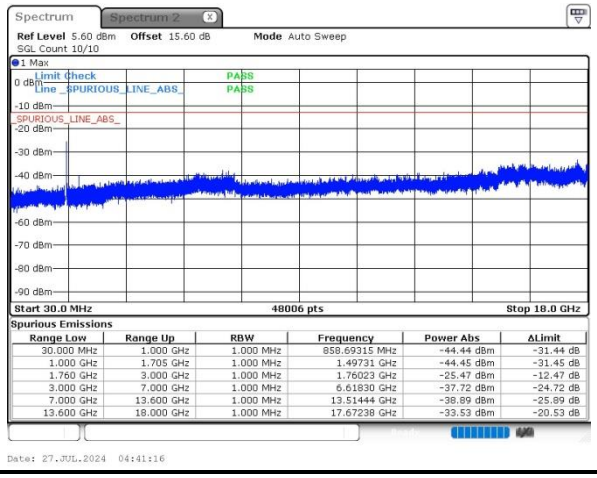
Lowest Channel



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	0.0091	PASS
40	Normal Voltage	0.0174	
30	Normal Voltage	0.0226	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0193	
0	Normal Voltage	0.0155	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0314	
-30	Normal Voltage	0.0327	
20	Maximum Voltage	0.0343	
20	Normal Voltage	0.0275	
20	Battery End Point	0.0118	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0116	
30	Normal Voltage	0.0094	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0141	
0	Normal Voltage	0.0219	
-10	Normal Voltage	0.0256	
-20	Normal Voltage	0.0137	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0174	
20	Battery End Point	0.0114	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0159	PASS
40	Normal Voltage	0.0247	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0075	
0	Normal Voltage	0.0091	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0121	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0091	
20	Battery End Point	0.0154	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.3V

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 :	Bruce	Temperature :	23~25℃
		Relative Humidity :	41~42%

RSE pretest all the supported Antennas, only the worst results are shown in the report.

GSM850 (GSM) / ANT 4								
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	-63.49	-13	-50.49	-70.46	1.58	10.70	H
	2512	-49.39	-13	-36.39	-57.64	2.102	12.50	H
	3344	-61.29	-13	-48.29	-70.18	2.856	13.90	H
	1672	-60.18	-13	-47.18	-67.15	1.58	10.70	V
	2512	-51.41	-13	-38.41	-59.66	2.10	12.50	V
	3344	-61.02	-13	-48.02	-69.91	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots) / ANT 4								
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	-63.63	-13	-50.63	-70.60	1.58	10.70	H
	2512	-46.69	-13	-33.69	-54.94	2.102	12.50	H
	3344	-60.89	-13	-47.89	-69.78	2.856	13.90	H
	1672	-60.33	-13	-47.33	-67.30	1.58	10.70	V
	2512	-59.40	-13	-46.40	-67.65	2.10	12.50	V
	3344	-60.85	-13	-47.85	-69.74	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	-56.14	-13	-43.14	-68.40	2.64	14.90	H
	5640	-55.39	-13	-42.39	-67.25	2.94	14.80	H
	7515	-54.42	-13	-41.42	-64.19	3.39	13.16	H
	3765	-55.63	-13	-42.63	-67.89	2.64	14.90	V
	5640	-55.64	-13	-42.64	-67.50	2.94	14.80	V
	7515	-54.29	-13	-41.29	-64.06	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	3765	-53.87	-13	-40.87	-66.13	2.64	14.90	H
	5640	-55.21	-13	-42.21	-67.07	2.94	14.80	H
	7515	-54.40	-13	-41.40	-64.17	3.39	13.16	H
	3765	-55.50	-13	-42.50	-67.76	2.64	14.90	V
	5640	-55.66	-13	-42.66	-67.52	2.94	14.80	V
	7515	-54.10	-13	-41.10	-63.87	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 4								
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	-64.59	-13	-51.59	-71.56	1.58	10.70	H
	2512	-58.77	-13	-45.77	-67.02	2.102	12.50	H
	3344	-61.19	-13	-48.19	-70.08	2.856	13.90	H
	1672	-63.65	-13	-50.65	-70.62	1.58	10.70	V
	2512	-59.26	-13	-46.26	-67.51	2.10	12.50	V
	3344	-61.14	-13	-48.14	-70.03	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	-56.21	-13	-43.21	-68.47	2.64	14.90	H
	5640	-55.01	-13	-42.01	-66.87	2.94	14.80	H
	7515	-54.32	-13	-41.32	-64.09	3.39	13.16	H
	3765	-55.78	-13	-42.78	-68.04	2.64	14.90	V
	5640	-55.87	-13	-42.87	-67.73	2.94	14.80	V
	7515	-53.97	-13	-40.97	-63.74	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	-56.99	-13	-43.99	-67.73	2.604	13.34	H
	5205	-54.08	-13	-41.08	-64.59	3.011	13.52	H
	6930	-55.81	-13	-42.81	-66.01	3.271	13.47	H
	3465	-57.76	-13	-44.76	-68.50	2.604	13.34	V
	5205	-54.81	-13	-41.81	-65.32	3.011	13.52	V
	6930	-55.66	-13	-42.66	-65.86	3.271	13.47	V

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