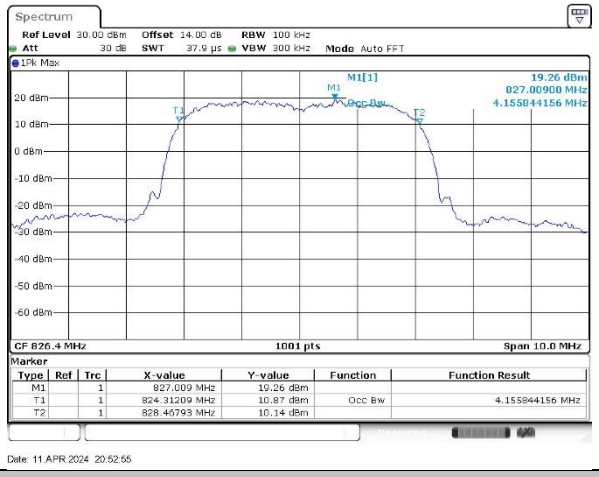
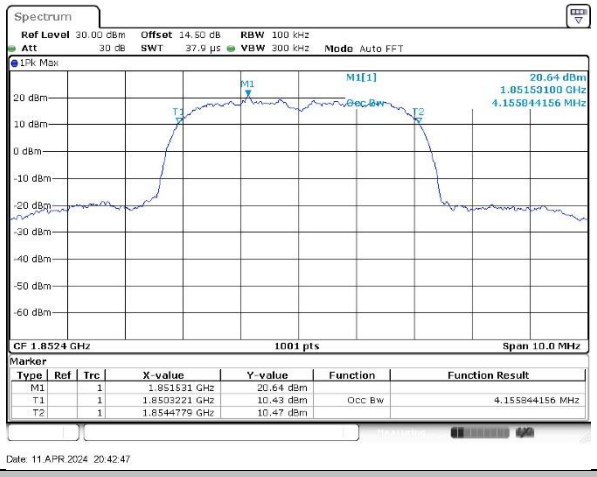
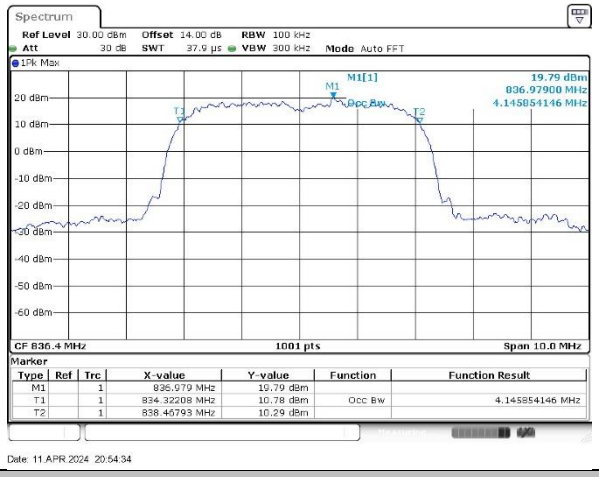
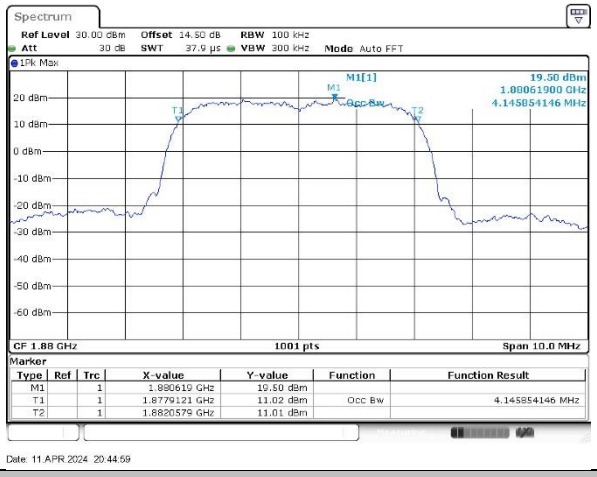
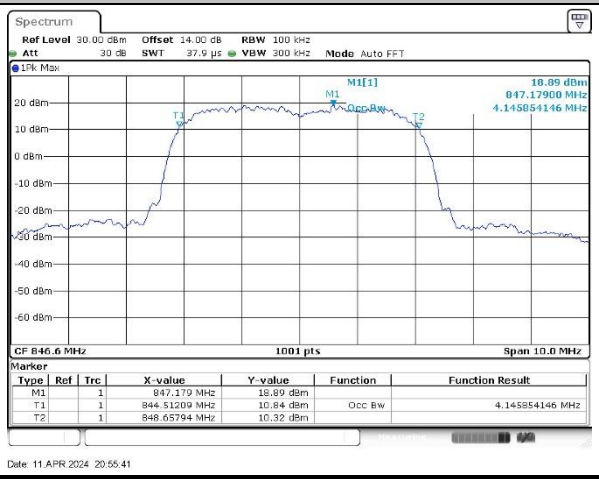
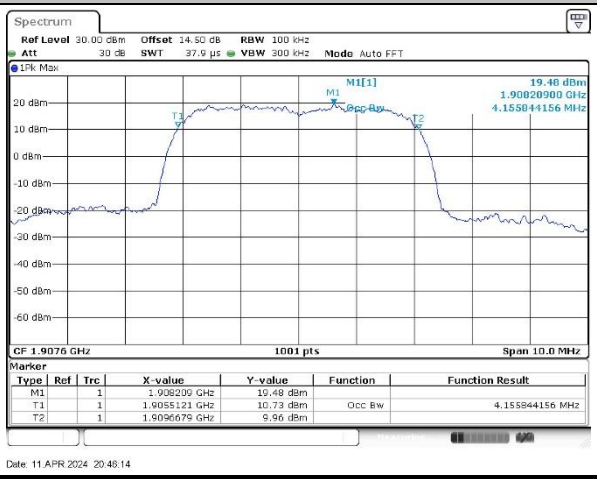
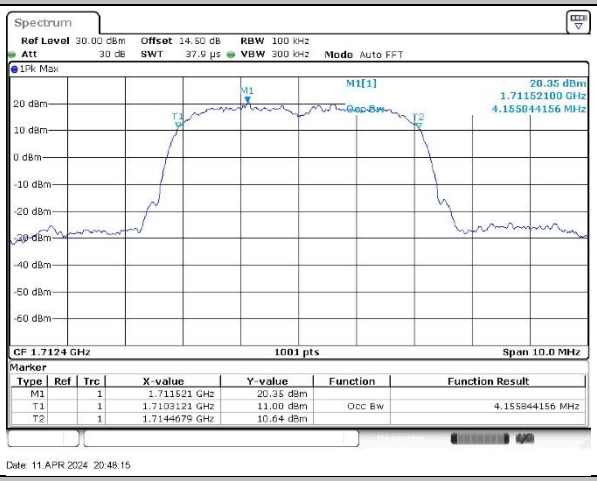
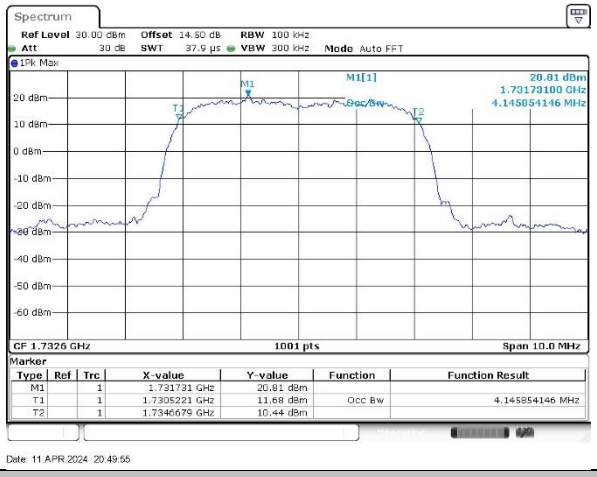
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

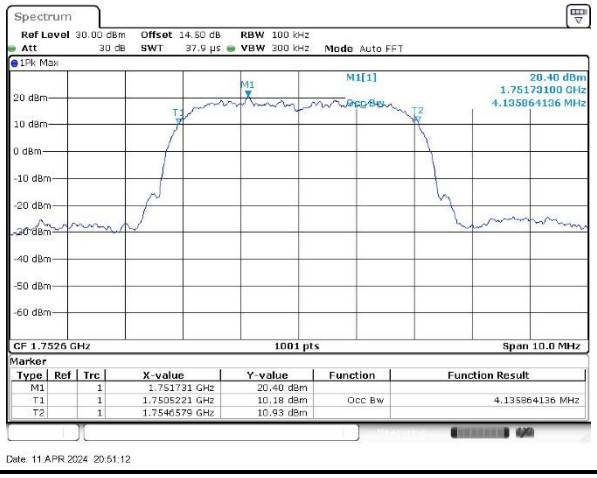
Lowest Channel



Middle Channel



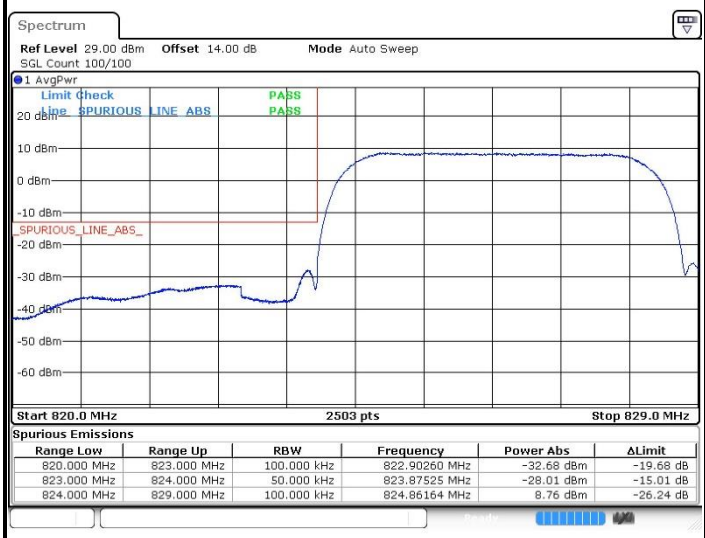
Highest Channel



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	822.90260 MHz	-32.68 dBm	-19.68 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.87525 MHz	-28.01 dBm	-15.01 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.86164 MHz	8.76 dBm	-26.24 dB

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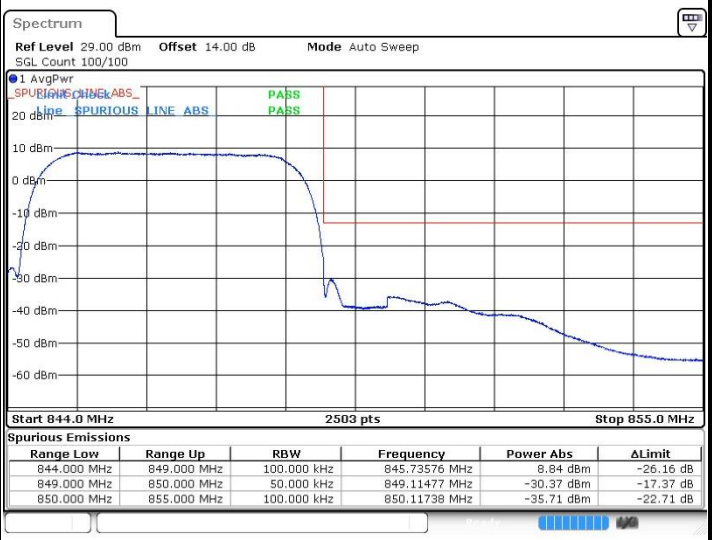
Highest Band Edge



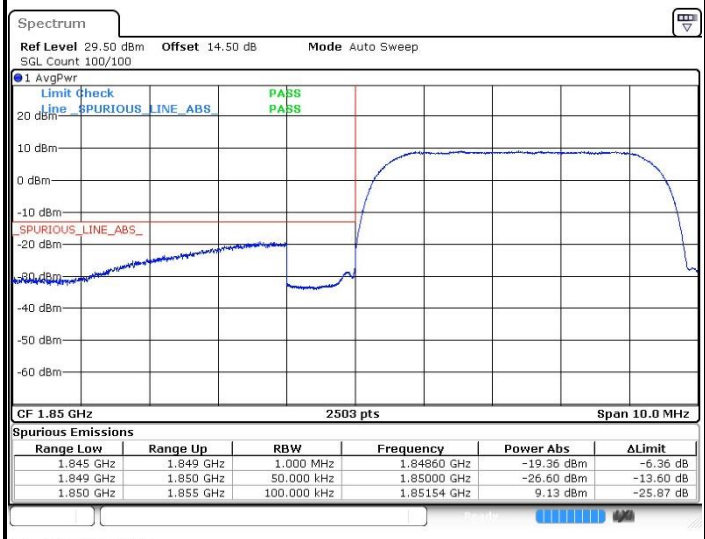
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.73576 MHz	8.84 dBm	-26.16 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.11477 MHz	-30.37 dBm	-17.37 dB
850.000 MHz	855.000 MHz	100.000 kHz	850.11738 MHz	-35.71 dBm	-22.71 dB

Date: 11.APR.2024 20:56:22

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	1.84860 GHz	-19.36 dBm	-6.36 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-26.60 dBm	-13.60 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85154 GHz	9.13 dBm	-25.87 dB

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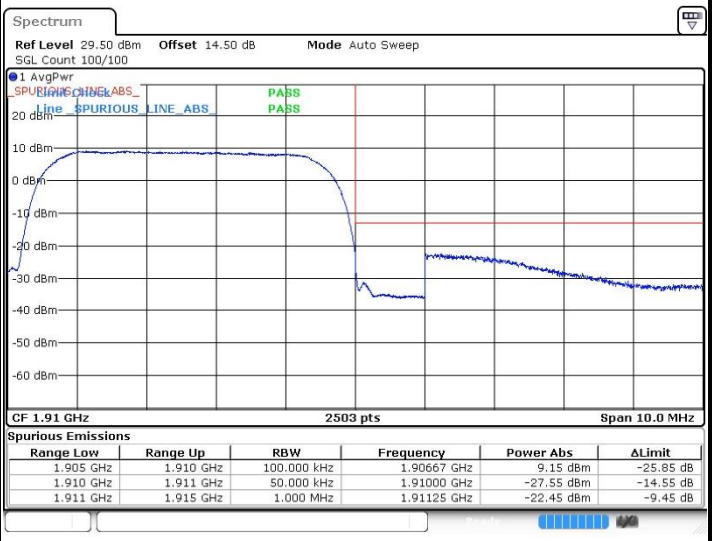
Highest Band Edge



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90667 GHz	9.15 dBm	-25.85 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-27.55 dBm	-14.55 dB
1.911 GHz	1.915 GHz	1.000 MHz	1.91125 GHz	-22.45 dBm	-9.45 dB

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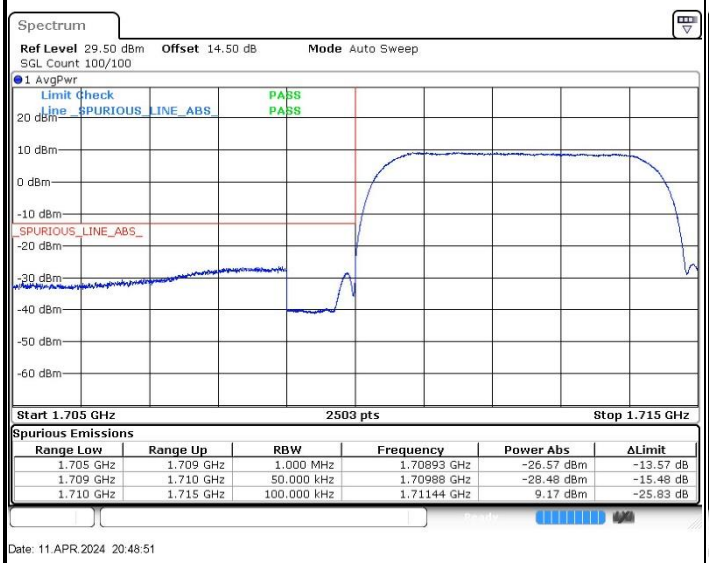
WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.705 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-26.57 dBm	-13.57 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70988 GHz	-28.48 dBm	-15.48 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71144 GHz	9.17 dBm	-25.83 dB

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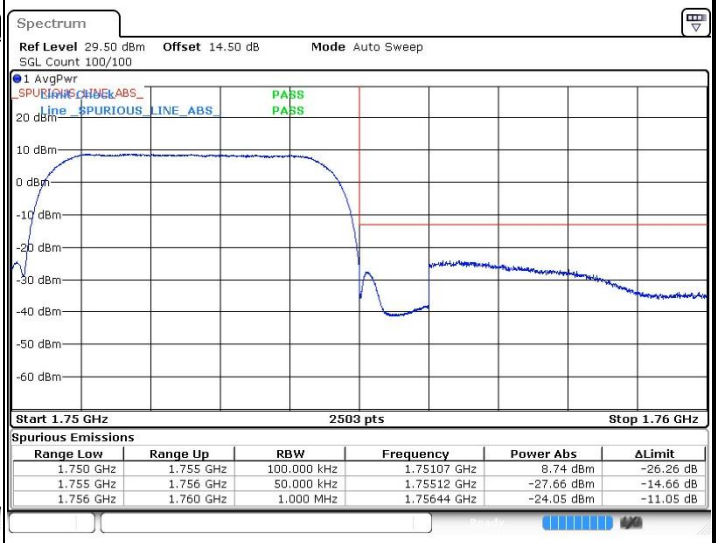

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75107 GHz	8.74 dBm	-26.26 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75512 GHz	-27.66 dBm	-14.66 dB
1.756 GHz	1.760 GHz	1.000 MHz	1.75644 GHz	-24.05 dBm	-11.05 dB

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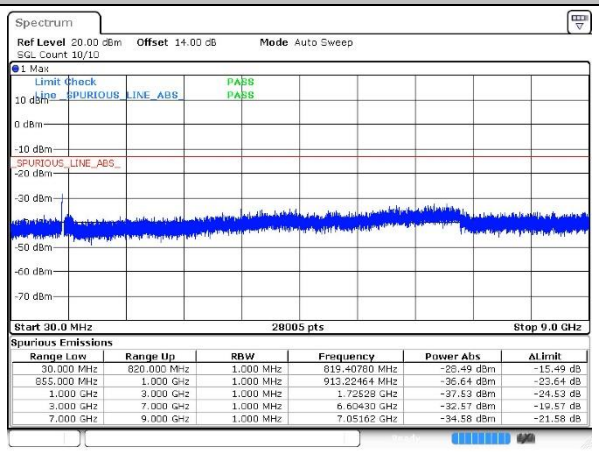
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	819.40780 MHz	-28.49 dBm	-15.49 dB
855.000 MHz	1.000 GHz	1.000 MHz	913.22464 MHz	-36.64 dBm	-23.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.72529 GHz	-37.53 dBm	-24.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.60430 GHz	-32.57 dBm	-19.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05162 GHz	-34.58 dBm	-21.58 dB

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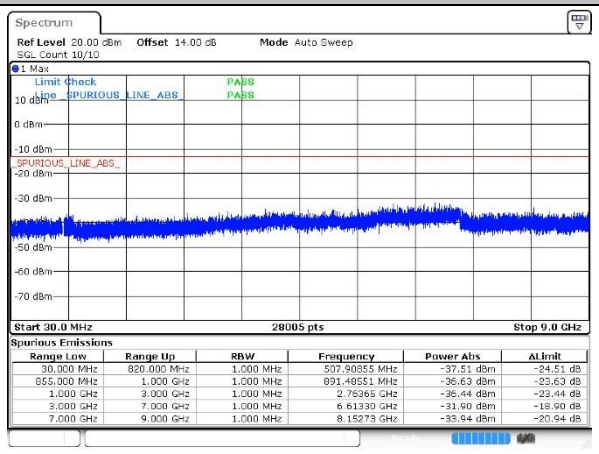
Middle Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	507.90855 MHz	-37.51 dBm	-24.51 dB
855.000 MHz	1.000 GHz	1.000 MHz	891.48551 MHz	-36.63 dBm	-23.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.76365 GHz	-36.44 dBm	-23.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.61330 GHz	-31.90 dBm	-18.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.15275 GHz	-33.94 dBm	-20.94 dB

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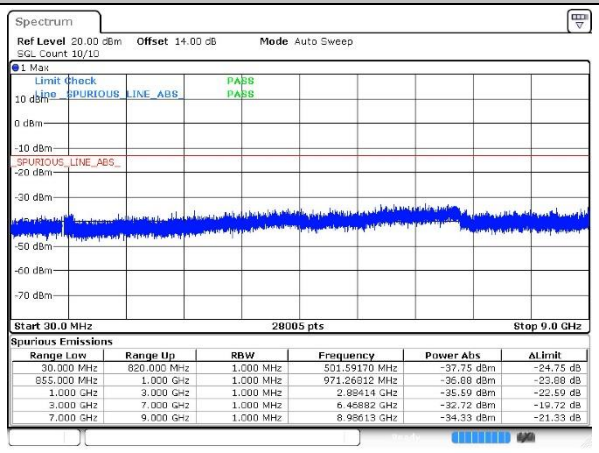
Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	501.59170 MHz	-37.75 dBm	-24.75 dB
855.000 MHz	1.000 GHz	1.000 MHz	971.26912 MHz	-36.88 dBm	-23.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.88414 GHz	-35.59 dBm	-22.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.46882 GHz	-32.72 dBm	-19.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.98613 GHz	-34.33 dBm	-21.33 dB

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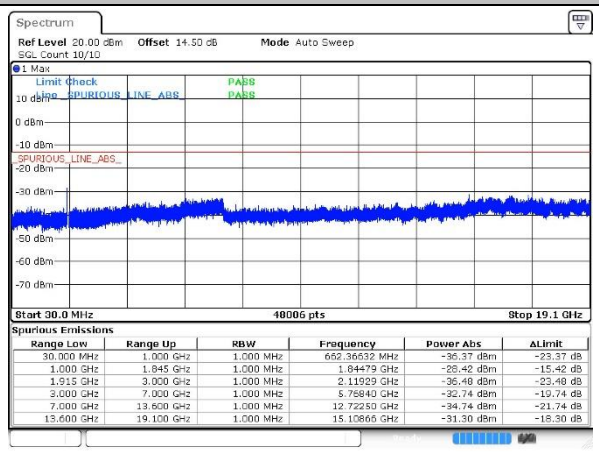
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	652.36632 MHz	-36.37 dBm	-23.37 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.84479 GHz	-28.42 dBm	-15.42 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.11929 GHz	-36.48 dBm	-23.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.76840 GHz	-32.74 dBm	-19.74 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.72250 GHz	-34.74 dBm	-21.74 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.10865 GHz	-31.30 dBm	-18.30 dB

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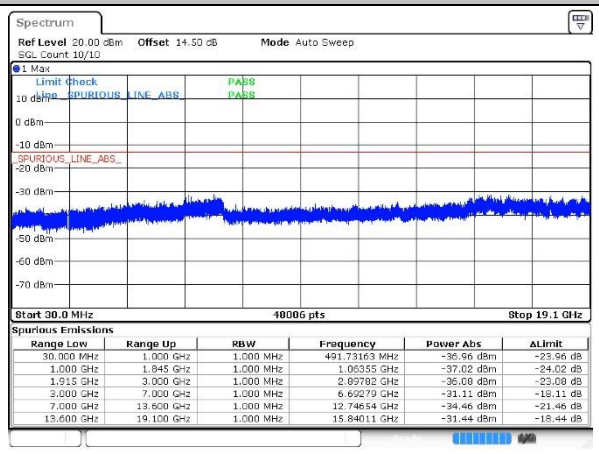
Middle Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	491.73163 MHz	-36.96 dBm	-23.96 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.06355 GHz	-37.02 dBm	-24.02 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.89782 GHz	-36.08 dBm	-23.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.69279 GHz	-31.11 dBm	-18.11 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.74654 GHz	-34.46 dBm	-21.46 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.84011 GHz	-31.44 dBm	-18.44 dB

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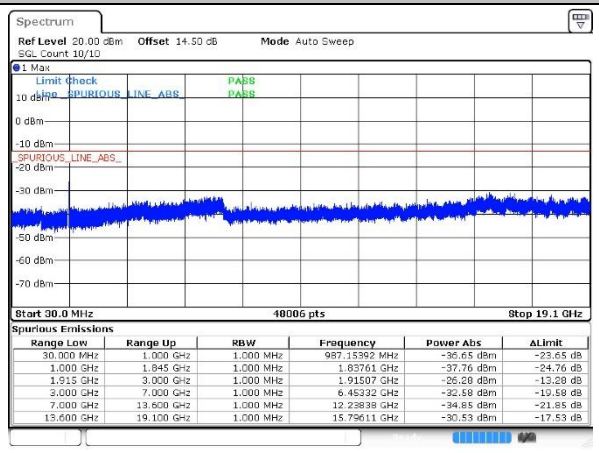
Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-36.65 dBm	-23.65 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.83761 GHz	-37.76 dBm	-24.76 dB
1.915 GHz	3.000 GHz	1.000 MHz	1.91507 GHz	-26.28 dBm	-13.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.45332 GHz	-32.58 dBm	-19.58 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.23838 GHz	-34.85 dBm	-21.85 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.79611 GHz	-30.53 dBm	-17.53 dB

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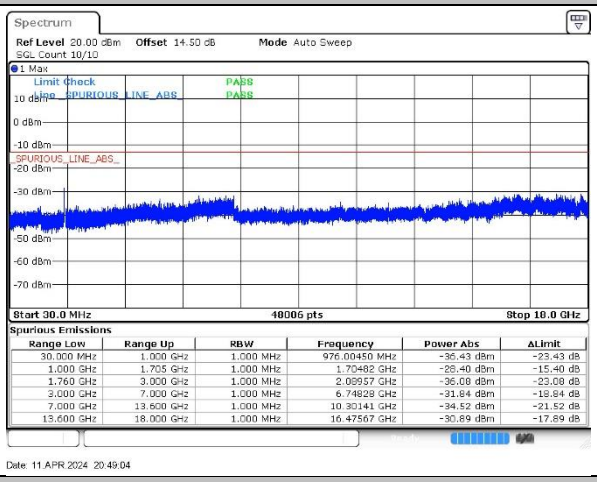
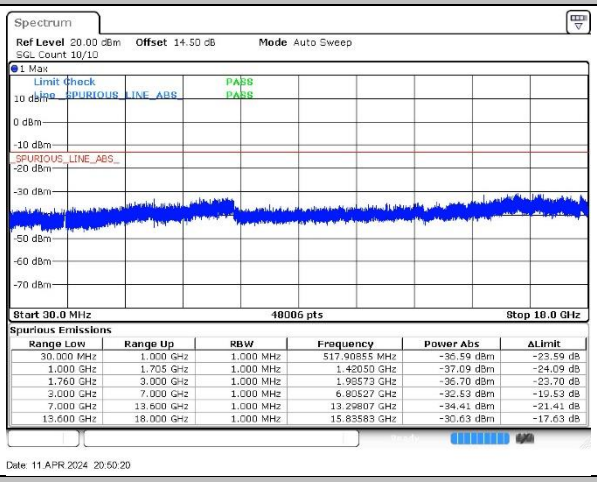
WCDMA Band IV (RMC 12.2Kbps)

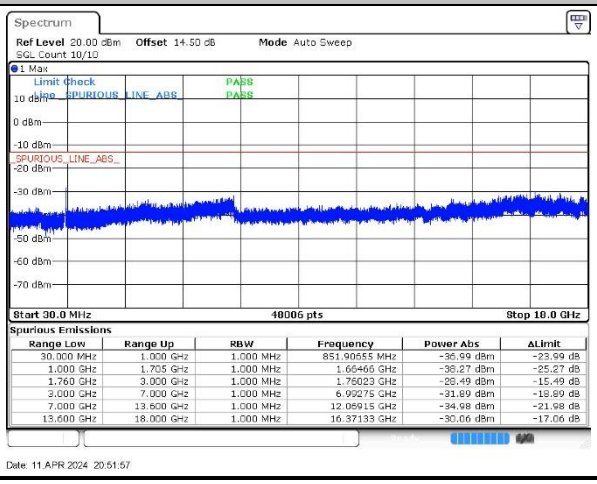
Lowest Channel



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	0.0016	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.91V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.5 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.91V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.5 V

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 :	Jia Kuang	Temperature :	22~23℃
		Relative Humidity :	48~52%

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

GSM850 (GSM) ANT 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-57.02	-13	-44.02	-63.24	-60.27	4.00	9.40	H
	2509.2	-37.87	-13	-24.87	-48.12	-41.44	4.88	10.60	H
	3345.6	-65.08	-13	-52.08	-77.11	-70.01	5.52	12.60	H
	1672.8	-56.13	-13	-43.13	-62.07	-59.38	4.00	9.40	V
	2509.2	-37.96	-13	-24.96	-48.54	-41.53	4.88	10.60	V
	3345.6	-64.58	-13	-51.58	-76.99	-69.51	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-52.03	-13	-39.03	-58.25	-55.28	4.00	9.40	H
	2509.2	-38.68	-13	-25.68	-48.93	-42.25	4.88	10.60	H
	3345.6	-65.39	-13	-52.39	-77.42	-70.32	5.52	12.60	H
	1672.8	-55.15	-13	-42.15	-61.09	-58.40	4.00	9.40	V
	2509.2	-41.95	-13	-28.95	-52.53	-45.52	4.88	10.60	V
	3345.6	-64.66	-13	-51.66	-77.07	-69.59	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-68.41	-13	-55.41	-74.63	-71.66	4.00	9.40	H
	2509.2	-59.48	-13	-46.48	-69.73	-63.05	4.88	10.60	H
	3345.6	-65.31	-13	-52.31	-77.34	-70.24	5.52	12.60	H
	1672.8	-68.65	-13	-55.65	-74.59	-71.90	4.00	9.40	V
	2509.2	-55.63	-13	-42.63	-66.21	-59.20	4.88	10.60	V
	3345.6	-65.01	-13	-52.01	-77.42	-69.94	5.52	12.60	V

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

GSM1900 (GSM) ANT 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-63.18	-13	-50.18	-77.83	-69.93	5.85	12.60	H
	5640	-61.72	-13	-48.72	-79.47	-67.52	7.30	13.10	H
	7520	-56.10	-13	-43.10	-78.41	-59.25	8.35	11.50	H
	3760	-62.65	-13	-49.65	-77.48	-69.40	5.85	12.60	V
	5640	-61.75	-13	-48.75	-79.39	-67.55	7.30	13.10	V
	7520	-56.06	-13	-43.06	-78.25	-59.21	8.35	11.50	V

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

GSM1900 (EDGE 1 Tx slots) ANT 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-62.97	-13	-49.97	-77.62	-69.72	5.85	12.60	H
	5640	-61.71	-13	-48.71	-79.46	-67.51	7.30	13.10	H
	7520	-56.21	-13	-43.21	-78.52	-59.36	8.35	11.50	H
	3760	-62.67	-13	-49.67	-77.5	-69.42	5.85	12.60	V
	5640	-61.93	-13	-48.93	-79.57	-67.73	7.30	13.10	V
	7520	-56.15	-13	-43.15	-78.34	-59.30	8.35	11.50	V

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

WCDMA Band II (RMC 12.2Kbps) ANT 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-62.95	-13	-49.95	-77.60	-69.70	5.85	12.60	H
	5640	-56.79	-13	-43.79	-74.54	-62.59	7.30	13.10	H
	7520	-56.23	-13	-43.23	-78.54	-59.38	8.35	11.50	H
	3760	-62.98	-13	-49.98	-77.81	-69.73	5.85	12.60	V
	5640	-57.85	-13	-44.85	-75.49	-63.65	7.30	13.10	V
	7520	-56.38	-13	-43.38	-78.57	-59.53	8.35	11.50	V

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

WCDMA Band IV (RMC 12.2Kbps) ANT 2									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465.2	-64.55	-13	-51.55	-77.30	-71.40	5.65	12.50	H
	5197.8	-59.82	-13	-46.82	-77.38	-65.49	7.13	12.80	H
	6930.4	-58.16	-13	-45.16	-79.01	-61.56	8.40	11.80	H
	3465.2	-63.01	-13	-50.01	-76.3	-69.86	5.65	12.50	V
	5197.8	-58.86	-13	-45.86	-76.37	-64.53	7.13	12.80	V
	6930.4	-57.91	-13	-44.91	-78.77	-61.31	8.40	11.80	V

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