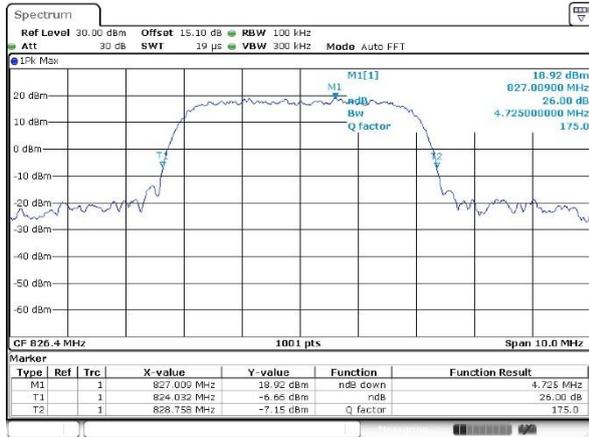




WCDMA Band V (RMC 12.2Kbps)

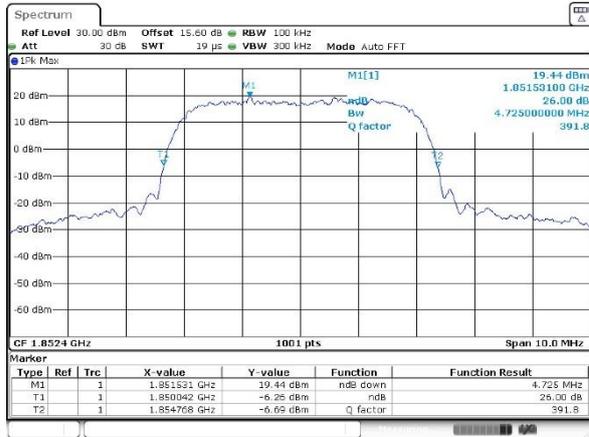
Lowest Channel



Date: 4.APR.2024 15:32:06

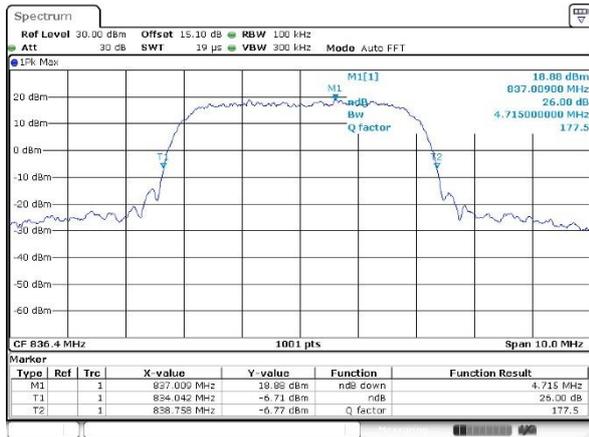
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



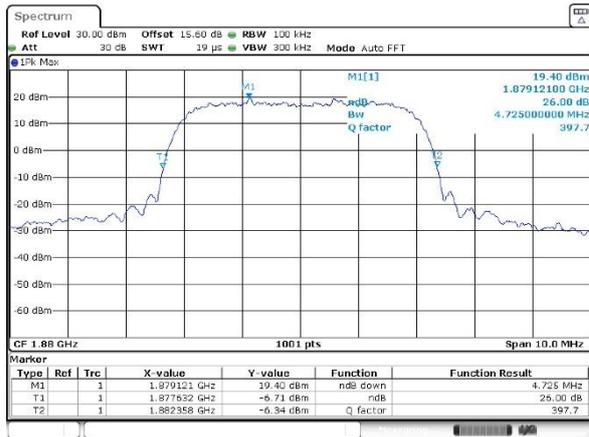
Date: 4.APR.2024 14:05:45

Middle Channel



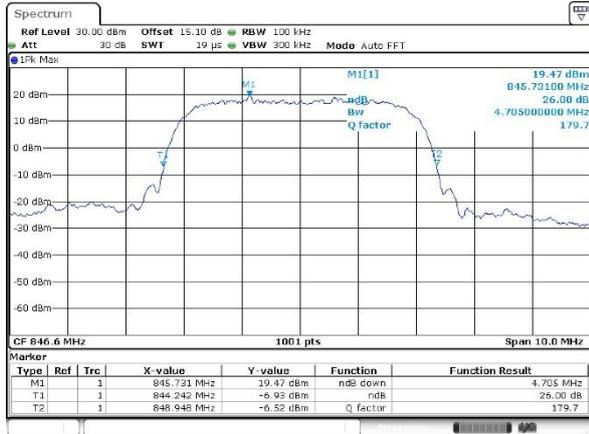
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Middle Channel



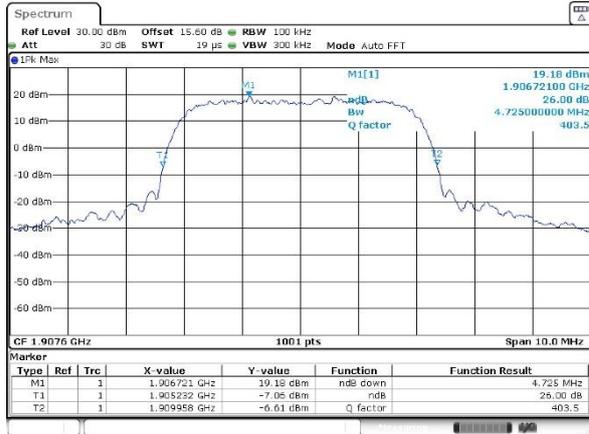
Date: 4.APR.2024 14:06:23

Highest Channel



Date: 4.APR.2024 15:32:53

Highest Channel

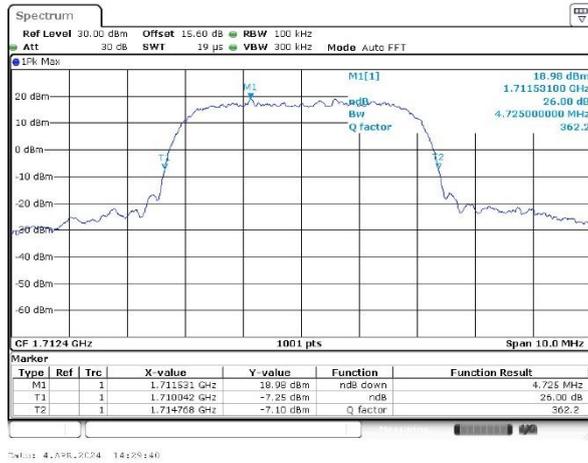


Date: 4.APR.2024 14:07:33

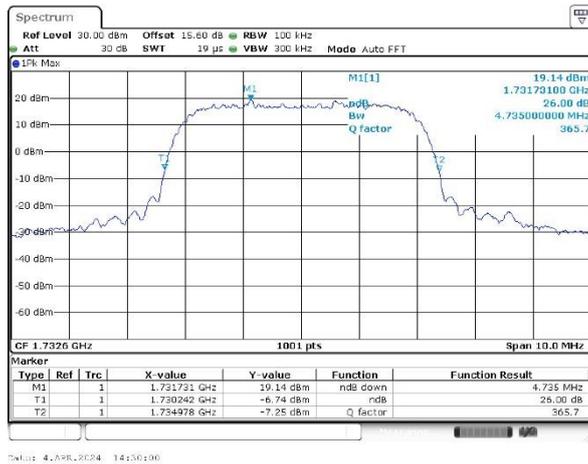


WCDMA Band IV (RMC 12.2Kbps)

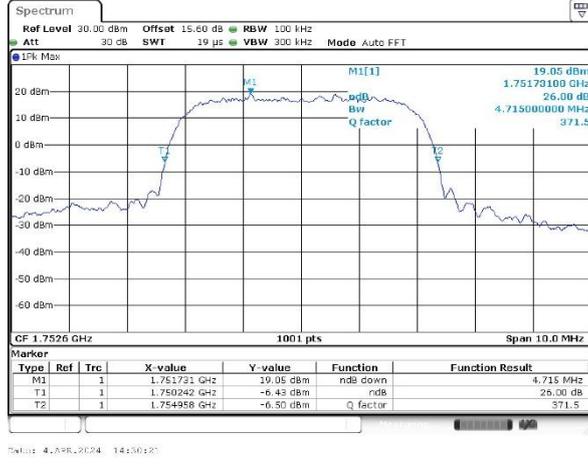
Lowest Channel



Middle Channel



Highest Channel





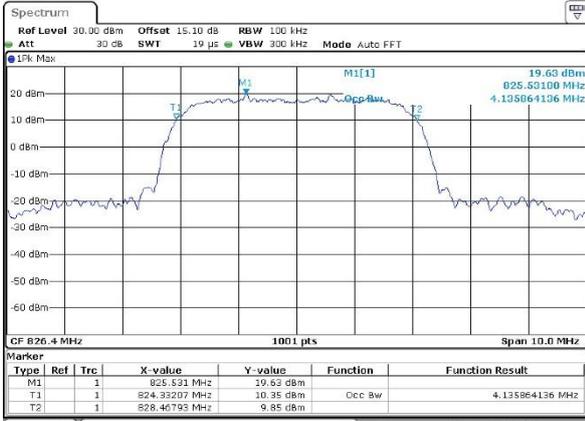
Occupied Bandwidth

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	4.136
Middle CH	4.126	4.136	4.146
Highest CH	4.126	4.146	4.146



WCDMA Band V (RMC 12.2Kbps)

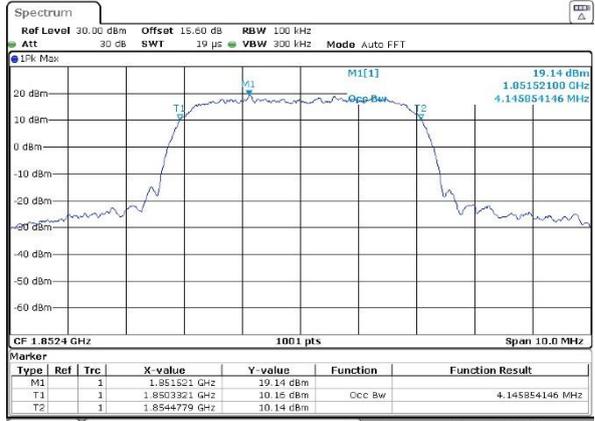
Lowest Channel



Date: 4.APR.2024 15:34:50

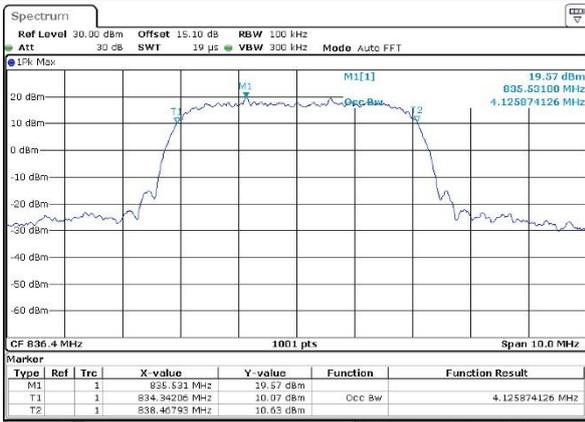
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



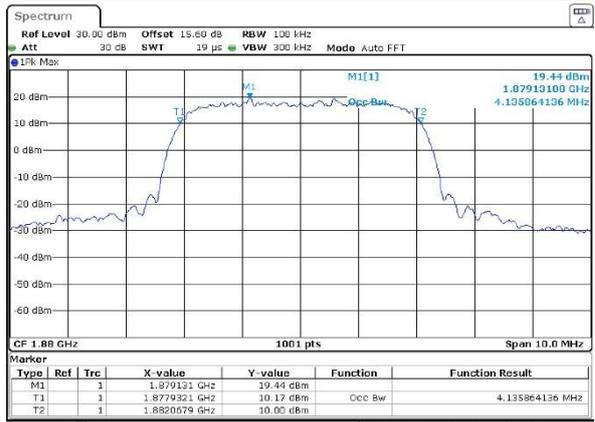
Date: 4.APR.2024 14:07:42

Middle Channel



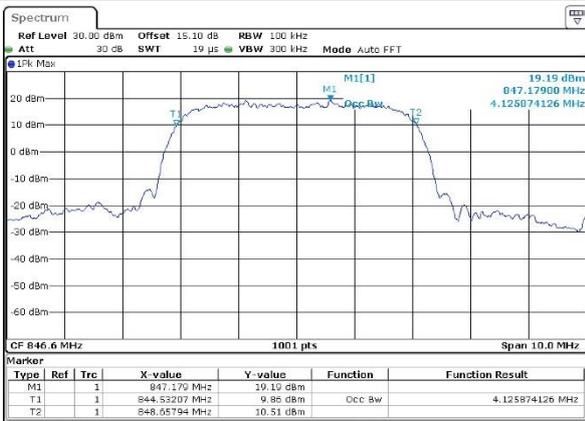
Date: 4.APR.2024 15:35:10

Middle Channel



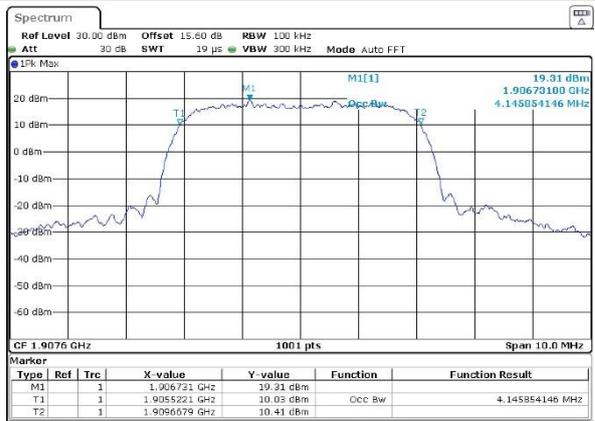
Date: 4.APR.2024 14:08:06

Highest Channel



Date: 4.APR.2024 15:35:29

Highest Channel

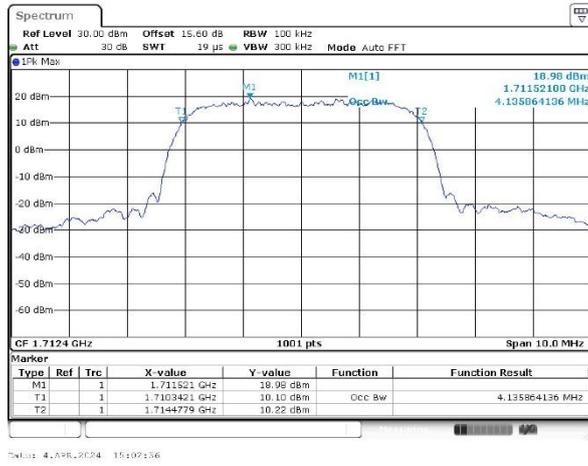


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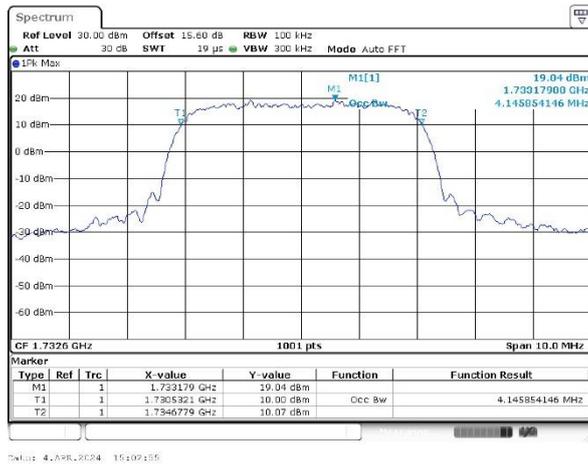


WCDMA Band IV (RMC 12.2Kbps)

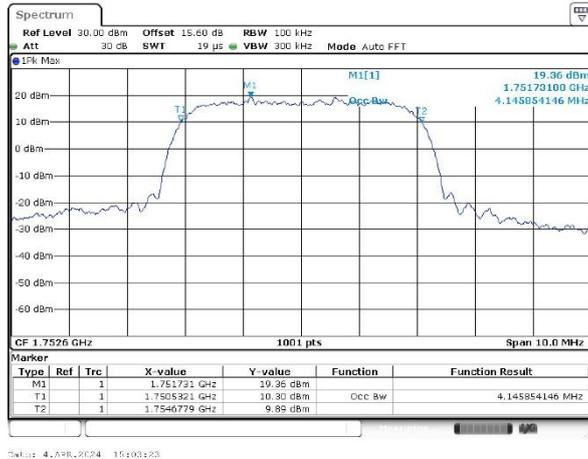
Lowest Channel



Middle Channel



Highest Channel

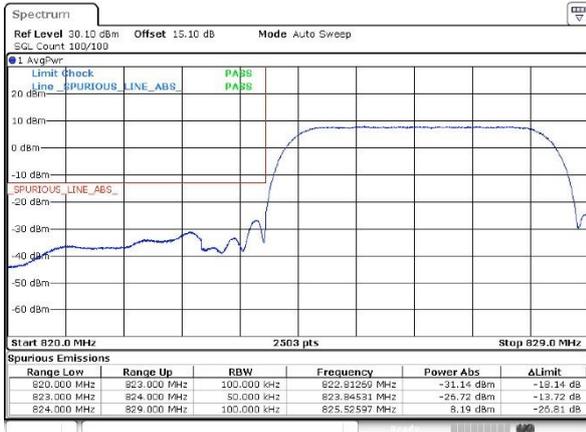




Conducted Band Edge

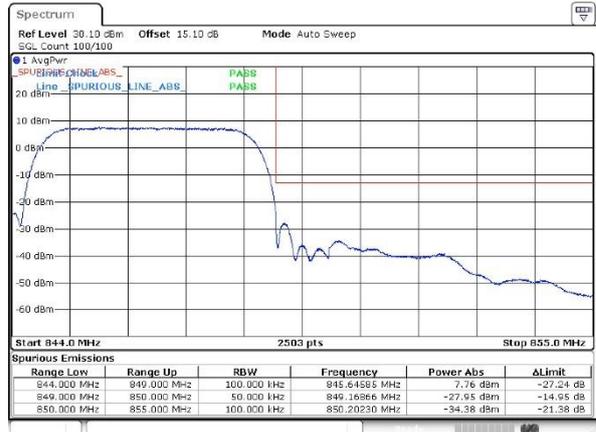
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 4 APR 2024 15:57:27

Highest Band Edge



Date: 4 APR 2024 15:58:16

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 4 APR 2024 14:13:20

Highest Band Edge

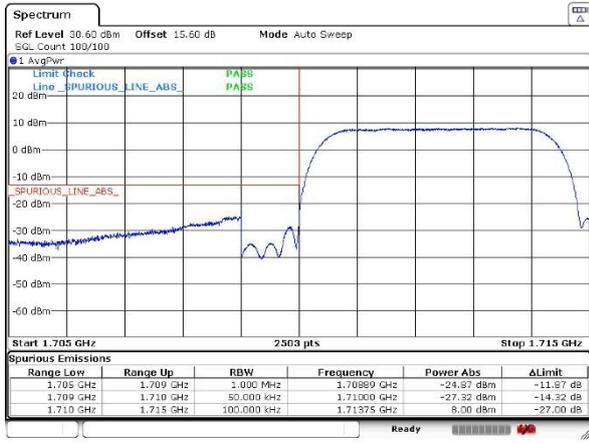


Date: 4 APR 2024 14:14:18

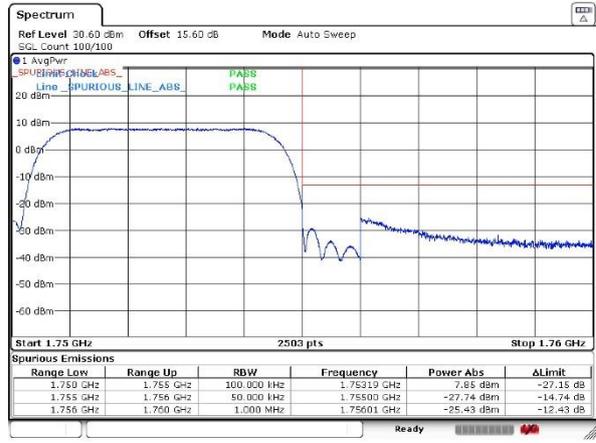


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

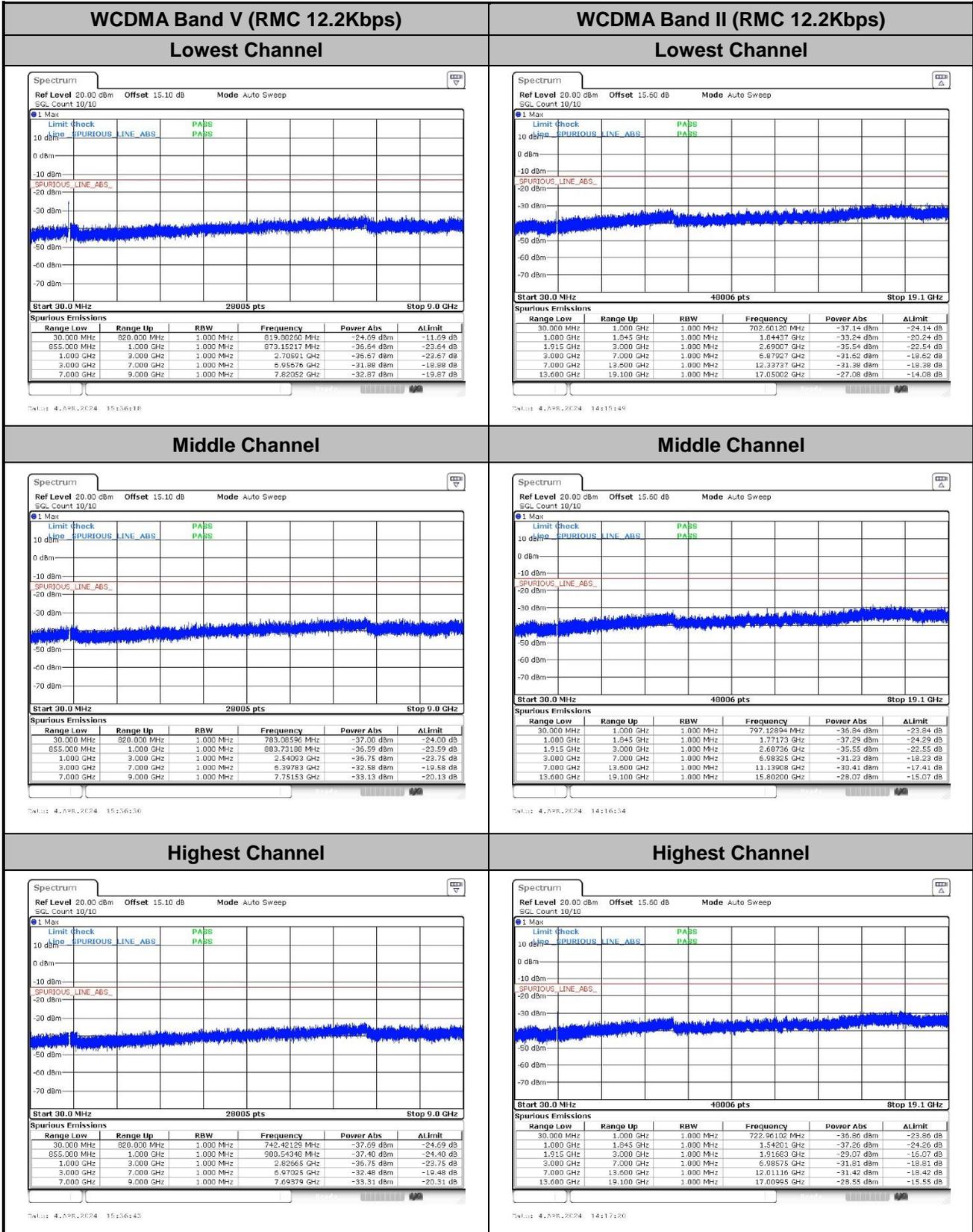


Highest Band Edge





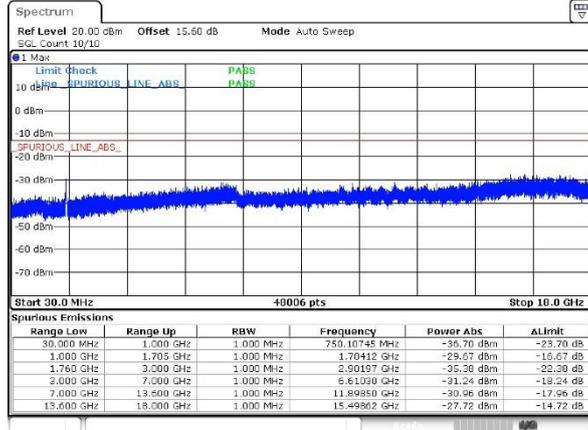
Conducted Spurious Emission



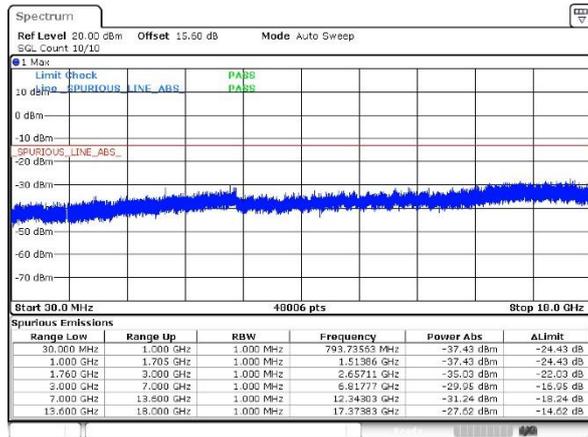


WCDMA Band IV (RMC 12.2Kbps)

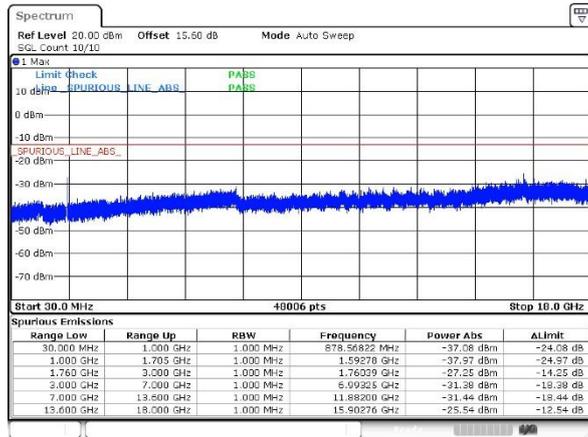
Lowest Channel



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	0.0221	PASS
40	Normal Voltage	0.0343	
30	Normal Voltage	0.0217	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0231	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0239	
-30	Normal Voltage	0.0515	
20	Maximum Voltage	0.0347	
20	Normal Voltage	0.0226	
20	Battery End Point	0.0089	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0142	PASS
40	Normal Voltage	0.0297	
30	Normal Voltage	0.0155	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0224	
0	Normal Voltage	0.0359	
-10	Normal Voltage	0.0241	
-20	Normal Voltage	0.0122	
-30	Normal Voltage	0.0334	
20	Maximum Voltage	0.0147	
20	Normal Voltage	0.0551	
20	Battery End Point	0.0227	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0252	PASS
40	Normal Voltage	0.0149	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0128	
0	Normal Voltage	0.0171	
-10	Normal Voltage	0.0223	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0176	
20	Maximum Voltage	0.0259	
20	Normal Voltage	0.0175	
20	Battery End Point	0.0149	

Note:

- 1. Normal Voltage = 3.86V ; 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 :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported Antennas and open/close status, only the worst results are shown in the report.

GSM850 (GSM) / ANT 0 / Open Status								
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	-43.11	-13	-30.11	-50.08	1.58	10.70	H
	2512	-60.43	-13	-47.43	-68.68	2.102	12.50	H
	3344	-60.90	-13	-47.90	-69.79	2.856	13.90	H
	1672	-37.71	-13	-24.71	-44.68	1.58	10.70	V
	2512	-57.08	-13	-44.08	-65.33	2.10	12.50	V
	3344	-61.10	-13	-48.10	-69.99	2.86	13.90	V

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

GSM850 (EDGE class 8) / ANT 0 / Open Status								
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	-64.33	-13	-51.33	-71.30	1.58	10.70	H
	2512	-60.14	-13	-47.14	-68.39	2.102	12.50	H
	3344	-61.06	-13	-48.06	-69.95	2.856	13.90	H
	1672	-61.69	-13	-48.69	-68.66	1.58	10.70	V
	2512	-58.89	-13	-45.89	-67.14	2.10	12.50	V
	3344	-61.22	-13	-48.22	-70.11	2.86	13.90	V

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

GSM1900 (GSM) / ANT 5 / Open Status								
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	-57.54	-13	-44.54	-69.80	2.64	14.90	H
	5640	-55.94	-13	-42.94	-67.80	2.94	14.80	H
	7515	-53.23	-13	-40.23	-63.00	3.39	13.16	H
	3765	-57.13	-13	-44.13	-69.39	2.64	14.90	V
	5640	-56.88	-13	-43.88	-68.74	2.94	14.80	V
	7515	-53.92	-13	-40.92	-63.69	3.39	13.16	V

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



GSM1900 (EDGE class 8) / ANT 5 / Open Status								
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	-57.19	-13	-44.19	-69.45	2.64	14.90	H
	5640	-56.16	-13	-43.16	-68.02	2.94	14.80	H
	7515	-53.93	-13	-40.93	-63.70	3.39	13.16	H
	3765	-56.76	-13	-43.76	-69.02	2.64	14.90	V
	5640	-56.28	-13	-43.28	-68.14	2.94	14.80	V
	7515	-54.00	-13	-41.00	-63.77	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 0 / Open Status								
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	-64.94	-13	-51.94	-71.91	1.58	10.70	H
	2512	-60.61	-13	-47.61	-68.86	2.102	12.50	H
	3344	-61.29	-13	-48.29	-70.18	2.856	13.90	H
	1672	-63.94	-13	-50.94	-70.91	1.58	10.70	V
	2512	-59.84	-13	-46.84	-68.09	2.10	12.50	V
	3344	-61.20	-13	-48.20	-70.09	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 5 / Open Status								
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	-57.54	-13	-44.54	-69.80	2.64	14.90	H
	5640	-56.46	-13	-43.46	-68.32	2.94	14.80	H
	7515	-54.06	-13	-41.06	-63.83	3.39	13.16	H
	3765	-57.69	-13	-44.69	-69.95	2.64	14.90	V
	5640	-57.29	-13	-44.29	-69.15	2.94	14.80	V
	7515	-54.14	-13	-41.14	-63.91	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 5 / Open Status								
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	-58.14	-13	-45.14	-68.88	2.604	13.34	H
	5205	-55.55	-13	-42.55	-66.06	3.011	13.52	H
	6930	-56.38	-13	-43.38	-66.58	3.271	13.47	H
	3465	-58.38	-13	-45.38	-69.12	2.604	13.34	V
	5205	-56.10	-13	-43.10	-66.61	3.011	13.52	V
	6930	-56.40	-13	-43.40	-66.60	3.271	13.47	V

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