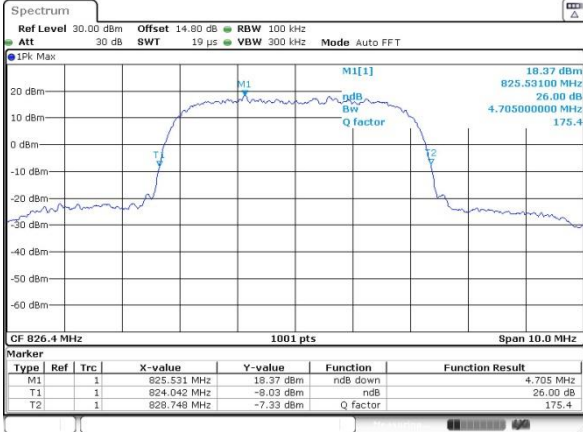




WCDMA Band V (RMC 12.2Kbps)

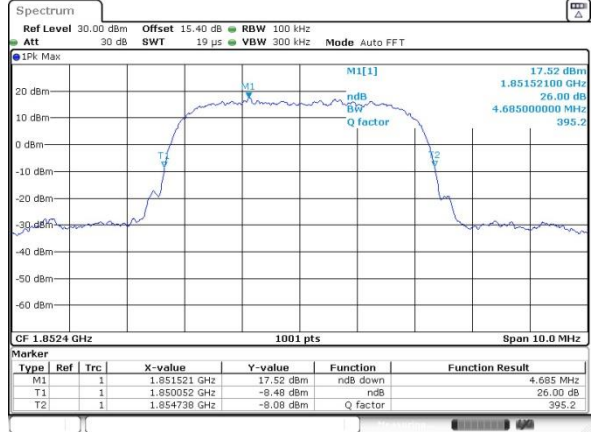
Lowest Channel



Date: 8.OCT.2023 22:10:49

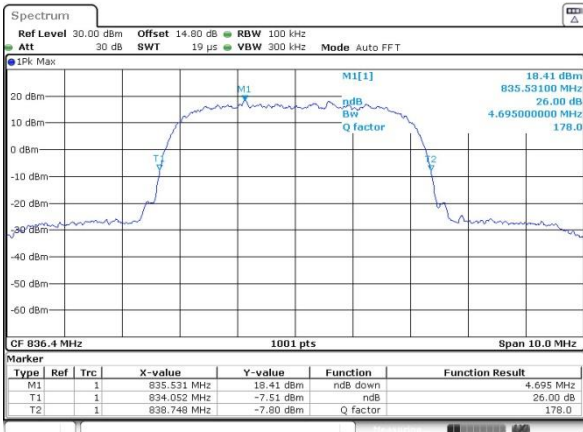
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



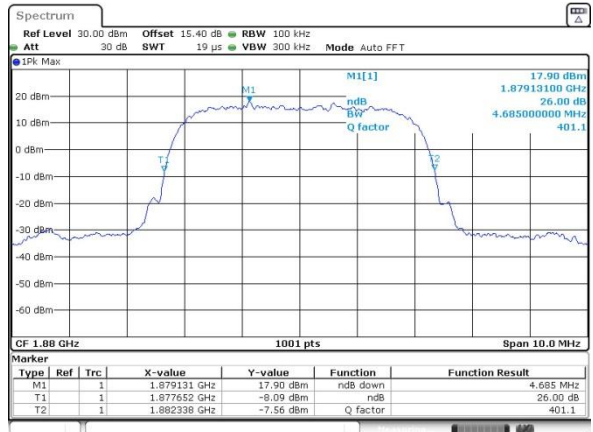
Date: 8.OCT.2023 21:50:53

Middle Channel



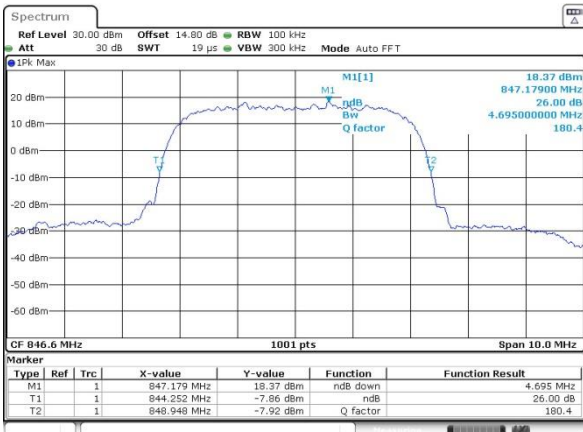
Date: 8.OCT.2023 22:10:13

Middle Channel



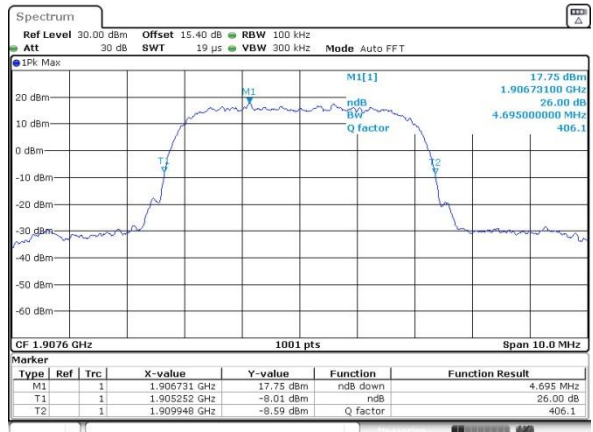
Date: 8.OCT.2023 21:51:21

Highest Channel



Date: 8.OCT.2023 22:10:13

Highest Channel

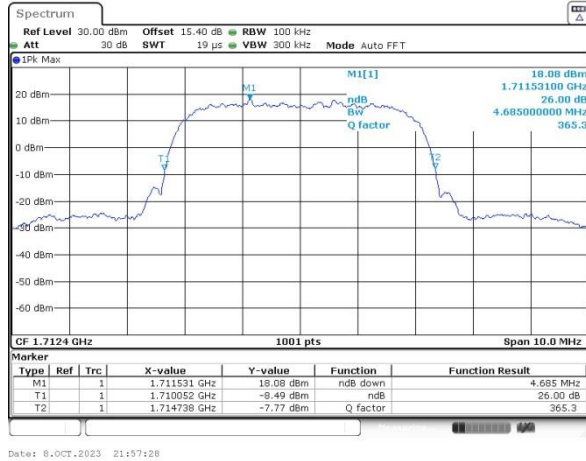


Date: 8.OCT.2023 21:51:43

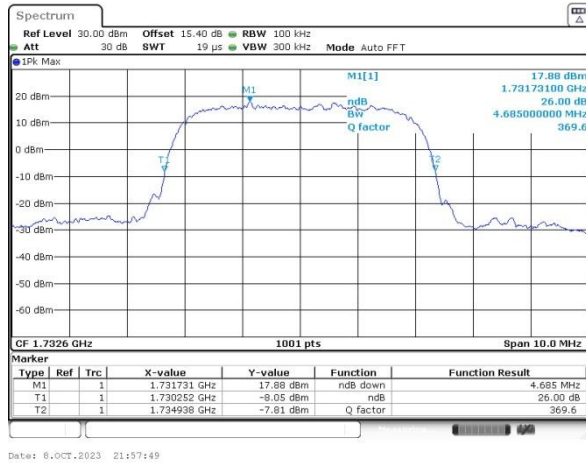


WCDMA Band IV (RMC 12.2Kbps)

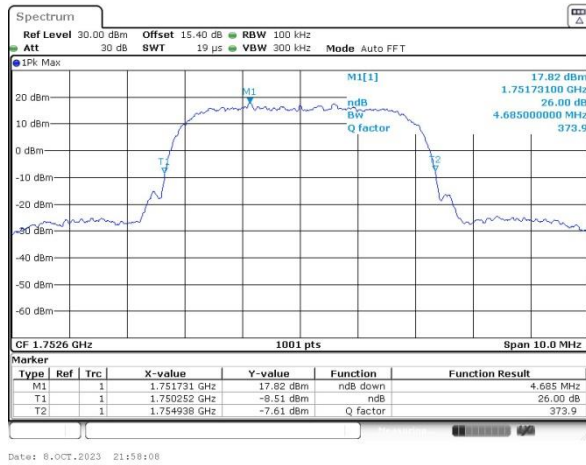
Lowest Channel



Middle Channel



Highest Channel





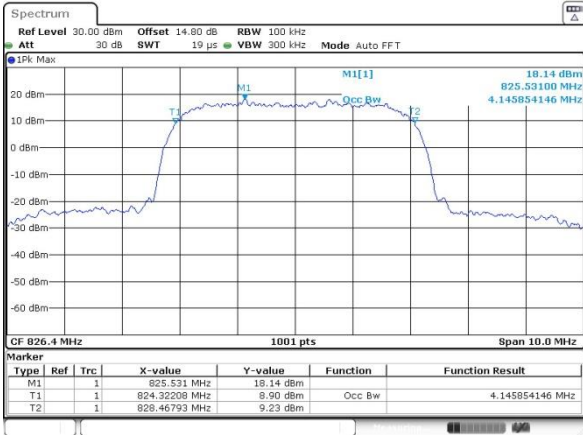
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

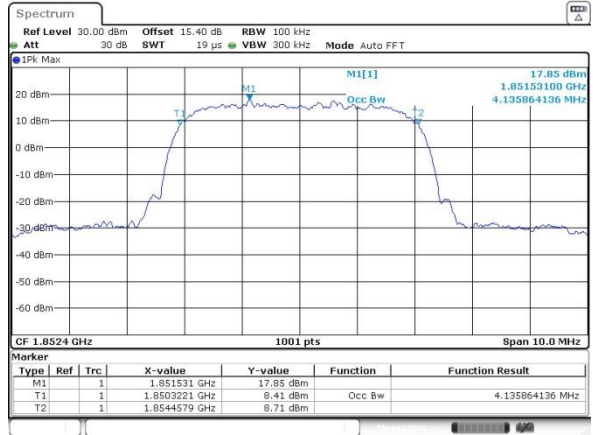
Lowest Channel



Date: 8.OCT.2023 22:10:15

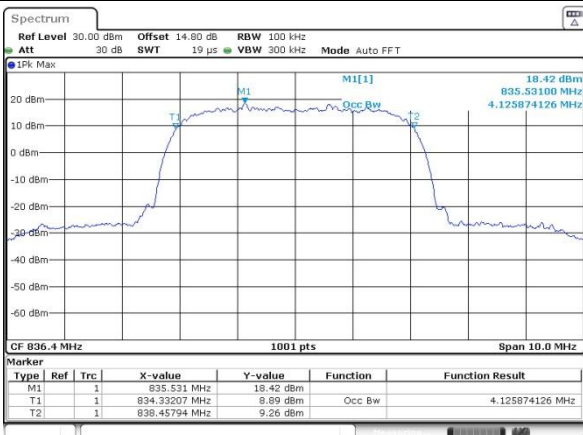
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



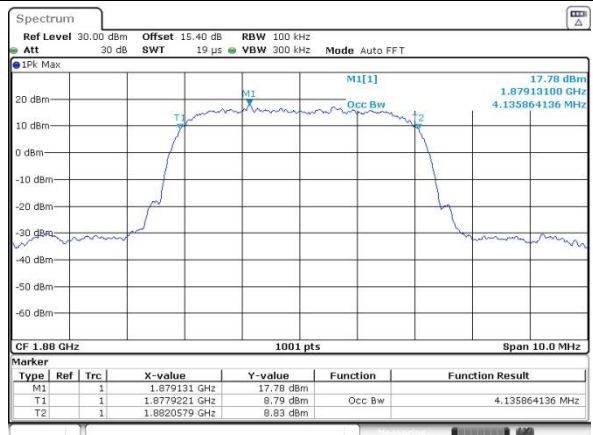
Date: 8.OCT.2023 21:53:21

Middle Channel



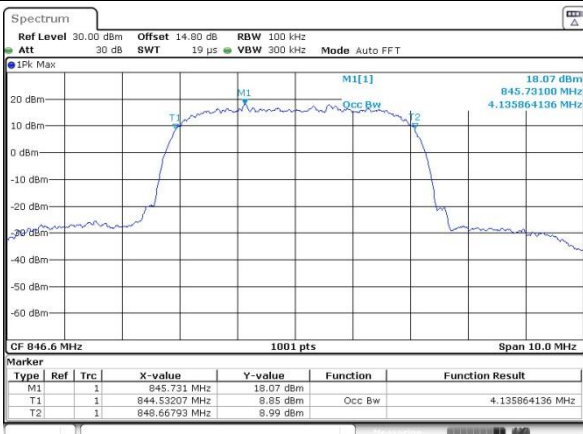
Date: 8.OCT.2023 22:10:32

Middle Channel



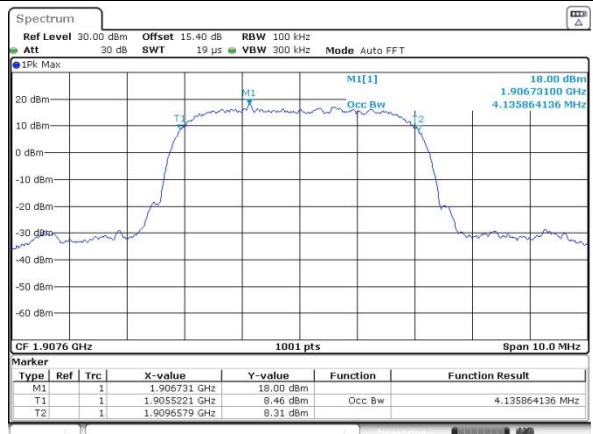
Date: 8.OCT.2023 21:53:40

Highest Channel



Date: 8.OCT.2023 22:10:48

Highest Channel

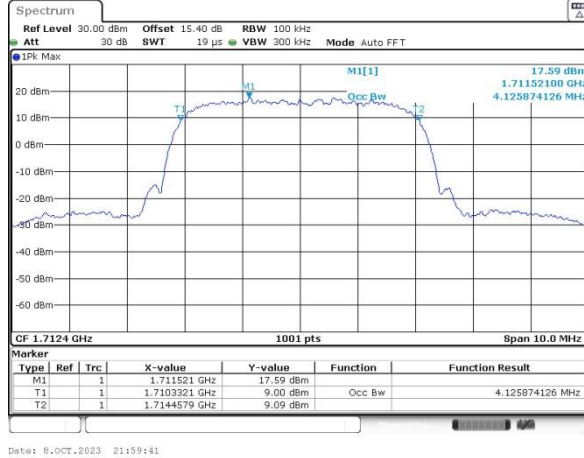


Date: 8.OCT.2023 21:54:02

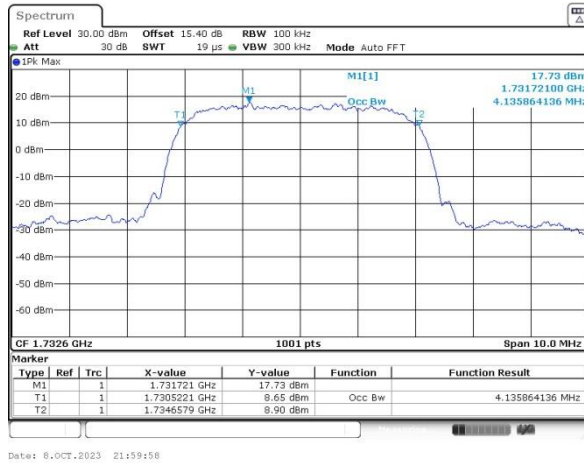


WCDMA Band IV (RMC 12.2Kbps)

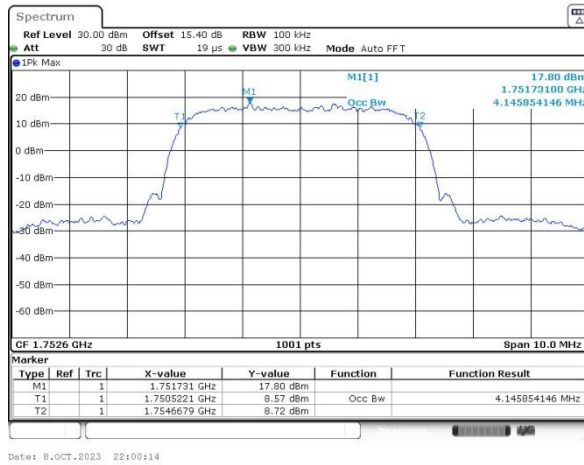
Lowest Channel



Middle Channel



Highest Channel





Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



Date: 8.OCT.2023 22:07:13

Date: 8.OCT.2023 22:07:51

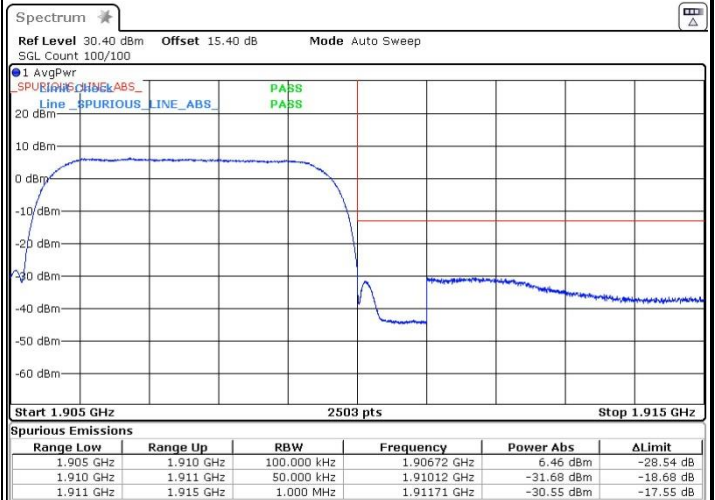
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 8.OCT.2023 21:54:50

Highest Band Edge



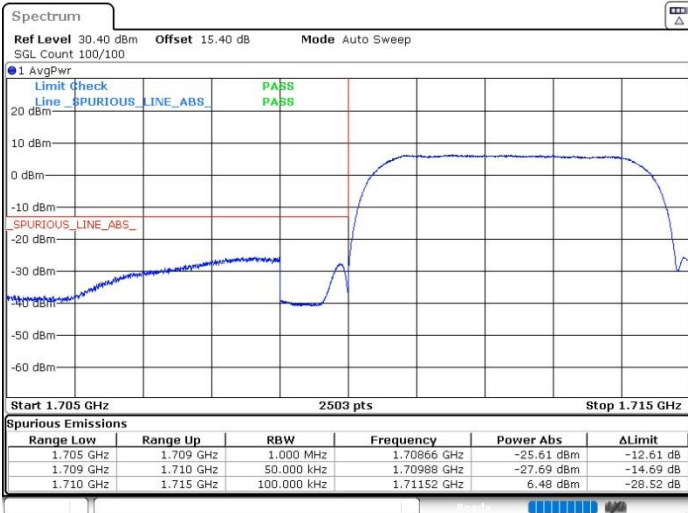
Date: 8.OCT.2023 21:55:32



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

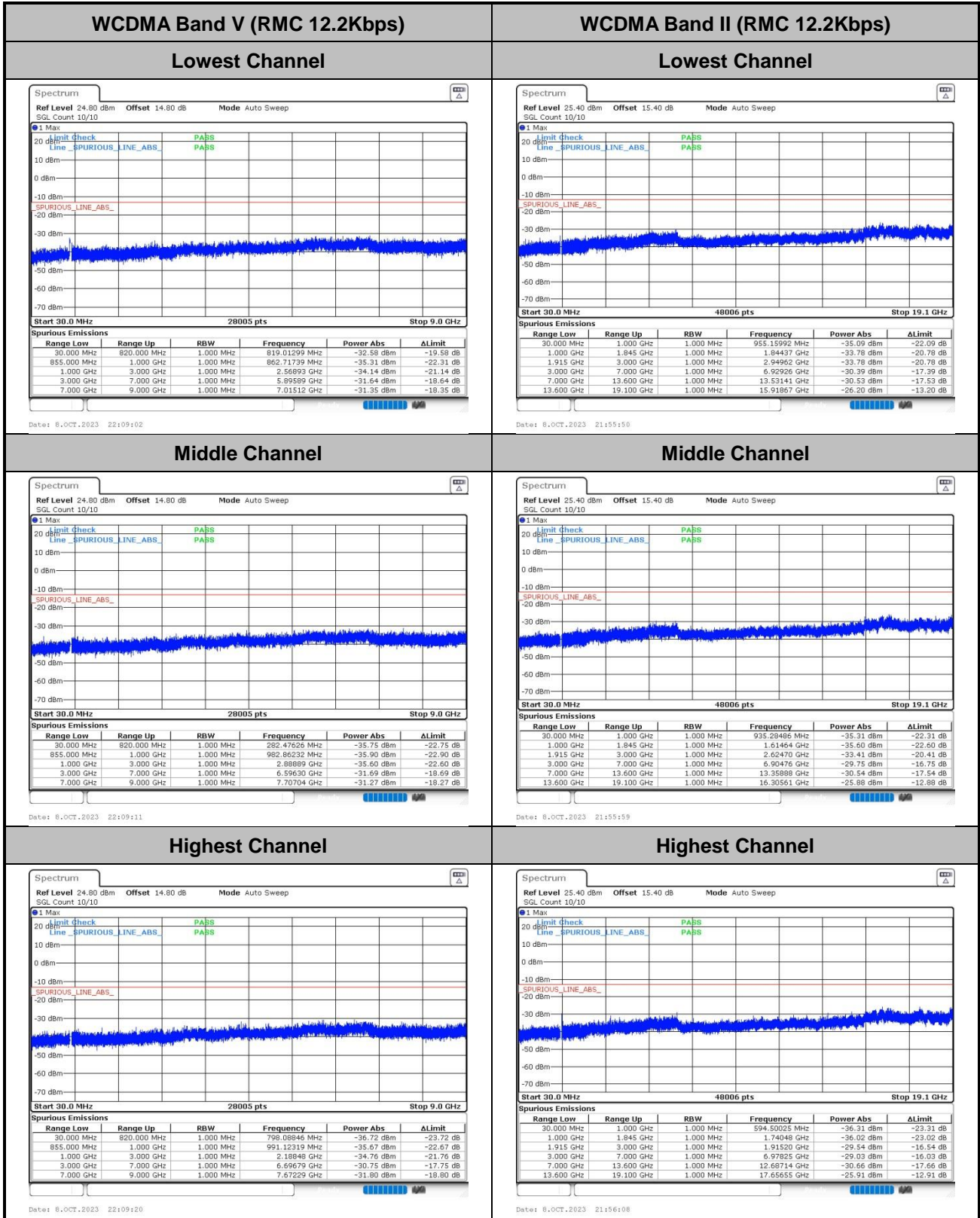


Date: 8.OCT.2023 22:00:45

Date: 8.OCT.2023 22:01:11



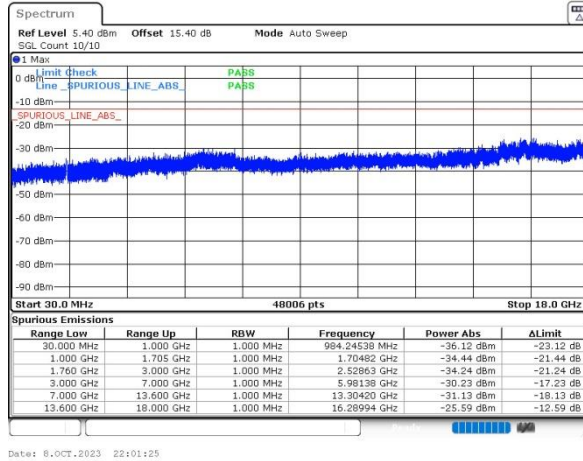
Conducted Spurious Emission



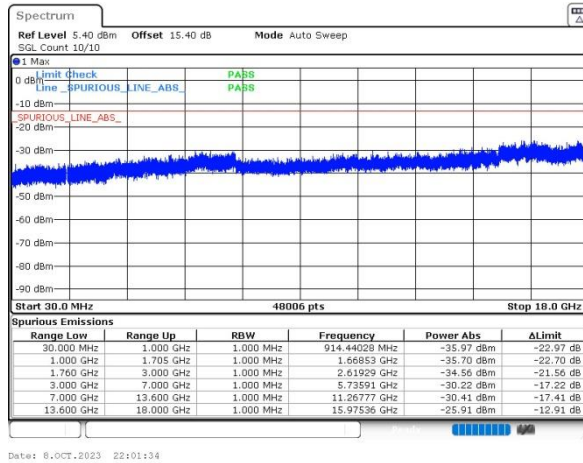


WCDMA Band IV (RMC 12.2Kbps)

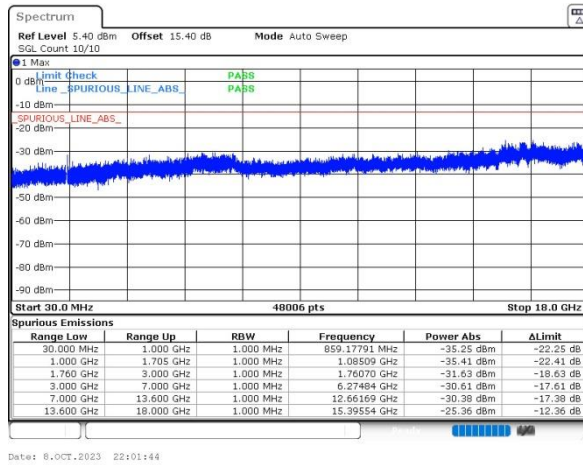
Lowest Channel



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	0.0026	PASS
40	Normal Voltage	0.0319	
30	Normal Voltage	0.0448	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0192	
-30	Normal Voltage	0.0327	
20	Maximum Voltage	0.0496	
20	Normal Voltage	0.0157	
20	Battery End Point	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0148	PASS
40	Normal Voltage	0.0134	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0246	
0	Normal Voltage	0.0381	
-10	Normal Voltage	0.0469	
-20	Normal Voltage	0.0075	
-30	Normal Voltage	0.0527	
20	Maximum Voltage	0.0166	
20	Normal Voltage	0.0118	
20	Battery End Point	0.0067	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0196	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0146	
-20	Normal Voltage	0.0241	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0149	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
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 :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850 (GSM)									
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)
Lowest	1648.4	-63.46	-13	-50.46	-75.55	-66.69	3.98	9.36	H
	2472.6	-56.18	-13	-43.18	-75.43	-59.73	4.85	10.55	H
	3296.8	-57.23	-13	-44.23	-78.28	-62.16	5.50	12.58	H
	1648.4	-62.16	-13	-49.16	-74.89	-65.39	3.98	9.36	V
	2472.6	-57.47	-13	-44.47	-77.04	-61.02	4.85	10.55	V
	3296.8	-56.04	-13	-43.04	-77.98	-60.97	5.50	12.58	V
Middle	1672.8	-63.44	-13	-50.44	-75.70	-66.69	4.00	9.40	H
	2509.2	-57.43	-13	-44.43	-76.93	-61.00	4.88	10.60	H
	3345.6	-56.83	-13	-43.83	-78.17	-61.76	5.52	12.60	H
	1672.8	-59.95	-13	-46.95	-72.92	-63.20	4.00	9.40	V
	2509.2	-57.55	-13	-44.55	-77.26	-61.12	4.88	10.60	V
	3345.6	-56.28	-13	-43.28	-77.92	-61.21	5.52	12.60	V
Highest	1697.6	-62.45	-13	-49.45	-75.01	-65.62	4.10	9.42	H
	2546.4	-57.53	-13	-44.53	-77.15	-61.11	4.90	10.63	H
	3395.2	-57.24	-13	-44.24	-77.31	-62.16	5.55	12.62	H
	1697.6	-57.70	-13	-44.70	-70.93	-60.87	4.10	9.42	V
	2546.4	-57.54	-13	-44.54	-77.38	-61.12	4.90	10.63	V
	3395.2	-56.27	-13	-43.27	-77.67	-61.19	5.55	12.62	V

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



GSM1900 (GSM)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700.4	-56.16	-13	-43.16	-79.34	-62.92	5.82	12.58	H
	5550.6	-55.70	-13	-42.70	-80.47	-61.42	7.28	13.00	H
	7400.8	-54.21	-13	-41.21	-81.59	-57.37	8.32	11.48	H
	3700.4	-53.53	-13	-40.53	-78.4	-60.29	5.82	12.58	V
	5550.6	-55.62	-13	-42.62	-80.82	-61.34	7.28	13.00	V
	7400.8	-54.26	-13	-41.26	-81.61	-57.42	8.32	11.48	V
Middle	3760	-55.88	-13	-42.88	-78.37	-62.63	5.85	12.60	H
	5640	-55.92	-13	-42.92	-80.32	-61.72	7.30	13.10	H
	7520	-54.57	-13	-41.57	-81.45	-57.72	8.35	11.50	H
	3760	-53.13	-13	-40.13	-78.78	-59.88	5.85	12.60	V
	5640	-55.77	-13	-42.77	-80.32	-61.57	7.30	13.10	V
	7520	-54.40	-13	-41.40	-81.26	-57.55	8.35	11.50	V
Highest	3819.6	-56.06	-13	-43.06	-78.95	-62.80	5.88	12.62	H
	5729.4	-55.56	-13	-42.56	-80.40	-61.37	7.32	13.13	H
	7639.2	-54.59	-13	-41.59	-81.09	-57.75	8.38	11.54	H
	3819.6	-53.99	-13	-40.99	-78.48	-60.73	5.88	12.62	V
	5729.4	-55.30	-13	-42.30	-80.62	-61.11	7.32	13.13	V
	7639.2	-53.66	-13	-40.66	-81.19	-56.82	8.38	11.54	V

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

WCDMA Band V(RMC 12.2Kbps)									
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)
Lowest	1652.8	-64.00	-13	-51.00	-76.13	-67.23	3.98	9.36	H
	2479.2	-57.81	-13	-44.81	-77.06	-61.36	4.85	10.55	H
	3305.6	-57.25	-13	-44.25	-78.40	-62.18	5.50	12.58	H
	1652.8	-62.89	-13	-49.89	-75.66	-66.12	3.98	9.36	V
	2479.2	-57.76	-13	-44.76	-77.33	-61.31	4.85	10.55	V
	3305.6	-56.74	-13	-43.74	-78.59	-61.67	5.50	12.58	V
Middle	1672.8	-63.33	-13	-50.33	-75.59	-66.58	4.00	9.40	H
	2509.2	-57.67	-13	-44.67	-77.17	-61.24	4.88	10.60	H
	3345.6	-57.24	-13	-44.24	-78.58	-62.17	5.52	12.60	H
	1672.8	-62.97	-13	-49.97	-75.94	-66.22	4.00	9.40	V
	2509.2	-57.73	-13	-44.73	-77.44	-61.30	4.88	10.60	V
	3345.6	-56.75	-13	-43.75	-78.39	-61.68	5.52	12.60	V
Highest	1693.2	-63.43	-13	-50.43	-75.99	-66.60	4.10	9.42	H
	2539.8	-57.60	-13	-44.60	-77.22	-61.18	4.90	10.63	H
	3386.4	-58.08	-13	-45.08	-78.57	-63.00	5.55	12.62	H
	1693.2	-63.06	-13	-50.06	-76.29	-66.23	4.10	9.42	V
	2539.8	-57.30	-13	-44.30	-77.14	-60.88	4.90	10.63	V
	3386.4	-56.53	-13	-43.53	-78.01	-61.45	5.55	12.62	V

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



WCDMA Band II(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3704.8	-56.12	-13	-43.12	-79.30	-62.88	5.82	12.58	H
	5557.2	-56.00	-13	-43.00	-80.75	-61.72	7.28	13.00	H
	7409.6	-54.40	-13	-41.40	-81.78	-57.56	8.32	11.48	H
	3704.8	-53.44	-13	-40.44	-78.31	-60.20	5.82	12.58	V
	5557.2	-55.64	-13	-42.64	-80.82	-61.36	7.28	13.00	V
	7409.6	-54.19	-13	-41.19	-81.54	-57.35	8.32	11.48	V
Middle	3760	-55.96	-13	-42.96	-78.45	-62.71	5.85	12.60	H
	5640	-56.17	-13	-43.17	-80.57	-61.97	7.30	13.10	H
	7520	-54.49	-13	-41.49	-81.37	-57.64	8.35	11.50	H
	3760	-53.53	-13	-40.53	-79.18	-60.28	5.85	12.60	V
	5640	-56.01	-13	-43.01	-80.56	-61.81	7.30	13.10	V
	7520	-54.81	-13	-41.81	-81.67	-57.96	8.35	11.50	V
Highest	3815.2	-56.14	-13	-43.14	-79.04	-62.88	5.88	12.62	H
	5722.8	-55.96	-13	-42.96	-80.80	-61.77	7.32	13.13	H
	7630.4	-55.21	-13	-42.21	-81.75	-58.37	8.38	11.54	H
	3815.2	-54.79	-13	-41.79	-79.29	-61.53	5.88	12.62	V
	5722.8	-55.58	-13	-42.58	-80.9	-61.39	7.32	13.13	V
	7630.4	-54.18	-13	-41.18	-81.4	-57.34	8.38	11.54	V

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

WCDMA Band IV(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3424.8	-56.82	-13	-43.82	-78.48	-63.70	5.60	12.48	H
	5137.2	-55.71	-13	-42.71	-80.17	-61.39	7.10	12.78	H
	6849.6	-55.94	-13	-42.94	-82.00	-59.33	8.38	11.77	H
	3424.8	-55.76	-13	-42.76	-78.49	-62.64	5.60	12.48	V
	5137.2	-55.30	-13	-42.30	-80.5	-60.98	7.10	12.78	V
	6849.6	-54.27	-13	-41.27	-82.16	-57.66	8.38	11.77	V
Middle	3465.2	-56.66	-13	-43.66	-78.91	-63.51	5.65	12.50	H
	5197.8	-56.13	-13	-43.13	-80.98	-61.80	7.13	12.80	H
	6930.4	-55.73	-13	-42.73	-82.02	-59.13	8.40	11.80	H
	3465.2	-56.10	-13	-43.10	-78.15	-62.95	5.65	12.50	V
	5197.8	-55.78	-13	-42.78	-80.9	-61.45	7.13	12.80	V
	6930.4	-54.53	-13	-41.53	-81.74	-57.93	8.40	11.80	V
Highest	3505.2	-56.21	-13	-43.21	-78.04	-63.05	5.68	12.52	H
	5257.8	-56.12	-13	-43.12	-81.08	-61.79	7.15	12.82	H
	7010.4	-55.22	-13	-42.22	-81.74	-58.65	8.42	11.85	H
	3505.2	-55.62	-13	-42.62	-78.99	-62.46	5.68	12.52	V
	5257.8	-56.40	-13	-43.40	-81.33	-62.07	7.15	12.82	V
	7010.4	-54.78	-13	-41.78	-81.65	-58.21	8.42	11.85	V

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