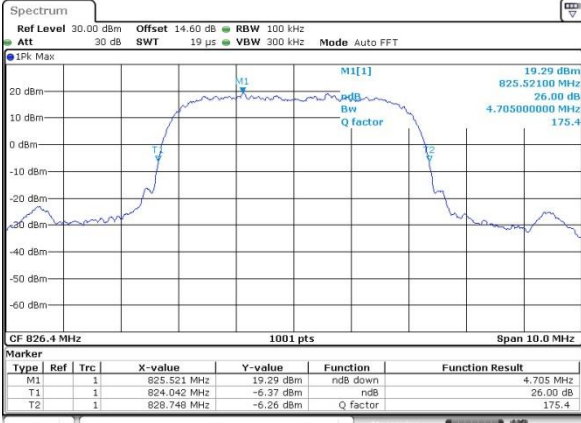




WCDMA Band V (RMC 12.2Kbps)

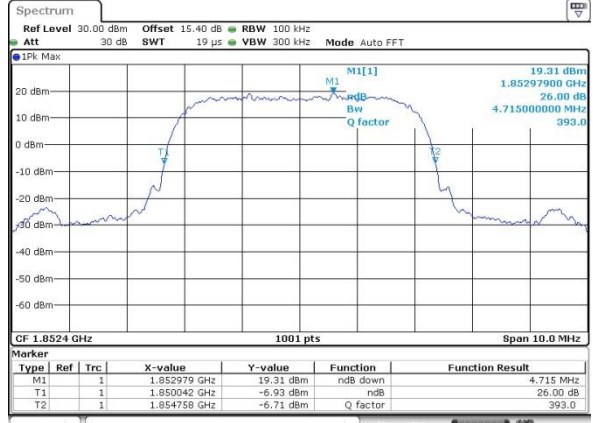
Lowest Channel



Date: 22 AUG 2022 23:15:17

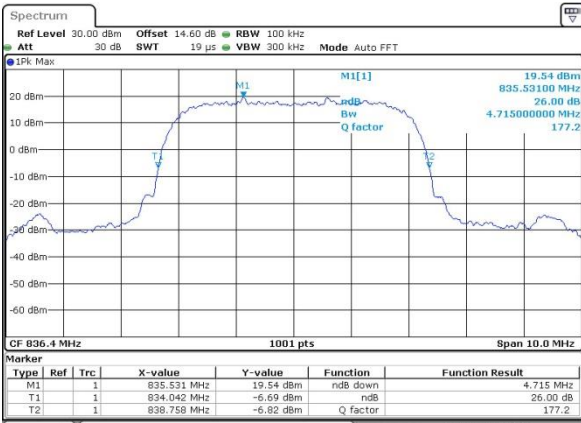
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



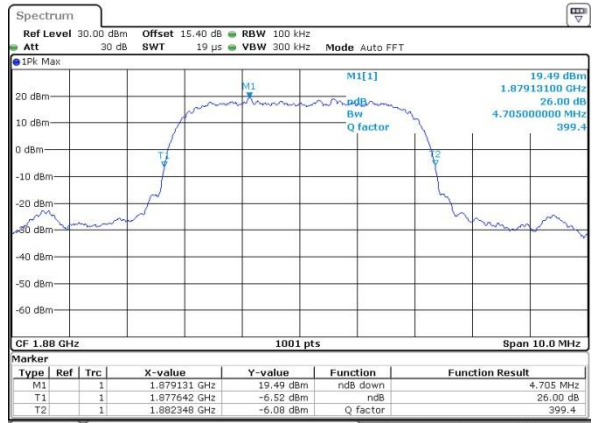
Date: 22 AUG 2022 23:44:33

Middle Channel



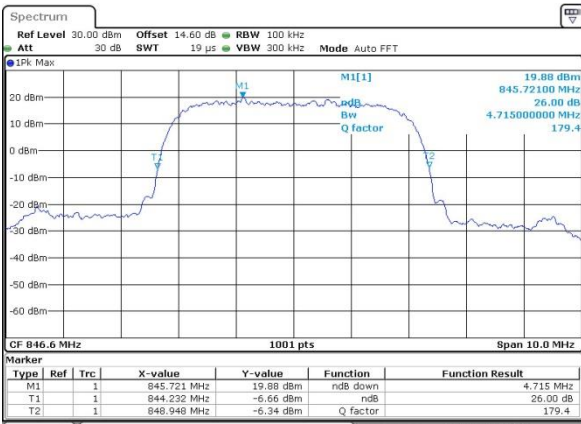
Date: 22 AUG 2022 23:15:50

Middle Channel



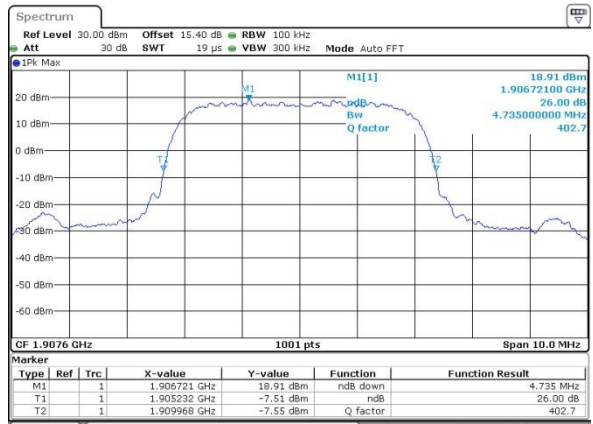
Date: 22 AUG 2022 23:45:27

Highest Channel



Date: 22 AUG 2022 23:16:23

Highest Channel



Date: 22 AUG 2022 23:46:23



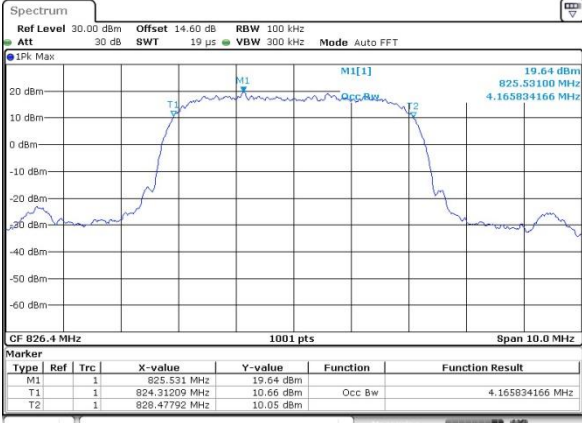
Occupied Bandwidth

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.166	4.156
Middle CH	4.156	4.156
Highest CH	4.146	4.166



WCDMA Band V (RMC 12.2Kbps)

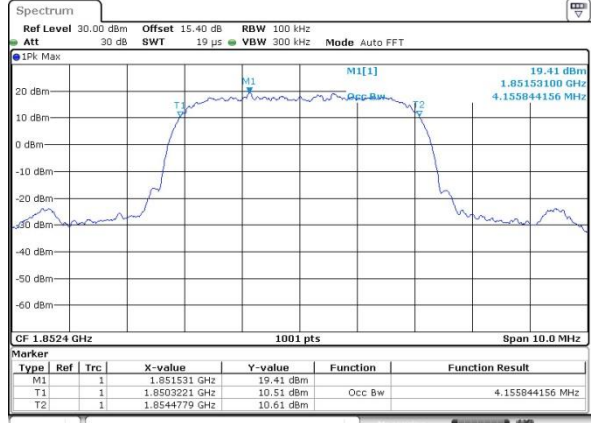
Lowest Channel



Date: 22 AUG 2022 23:23:18

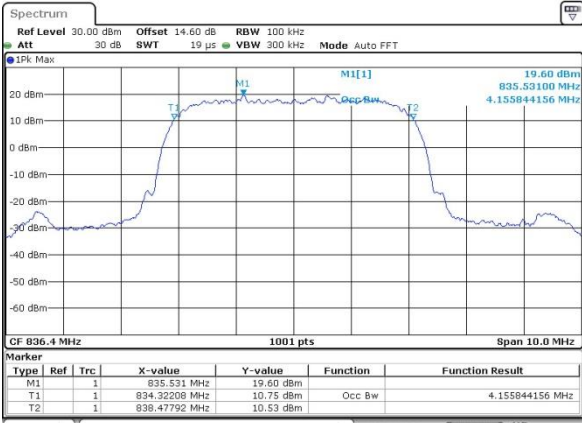
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



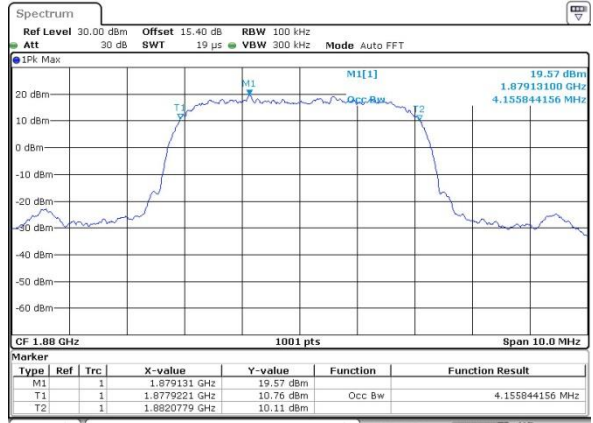
Date: 22 AUG 2022 23:49:31

Middle Channel



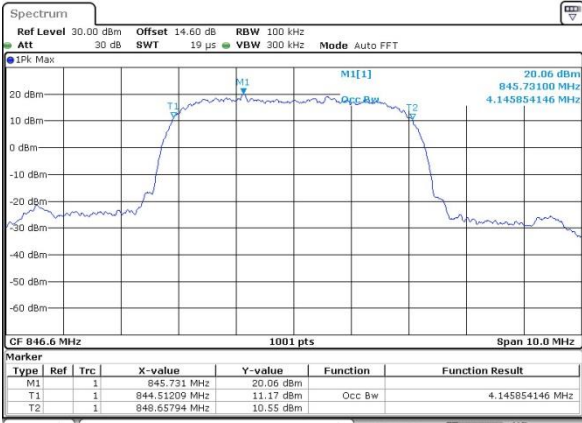
Date: 22 AUG 2022 23:28:28

Middle Channel



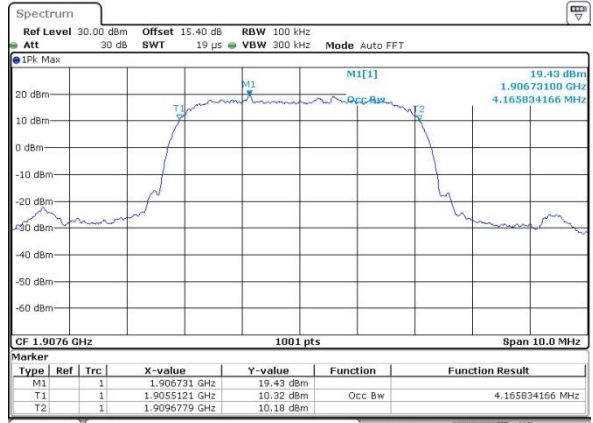
Date: 22 AUG 2022 23:50:02

Highest Channel



Date: 22 AUG 2022 23:27:12

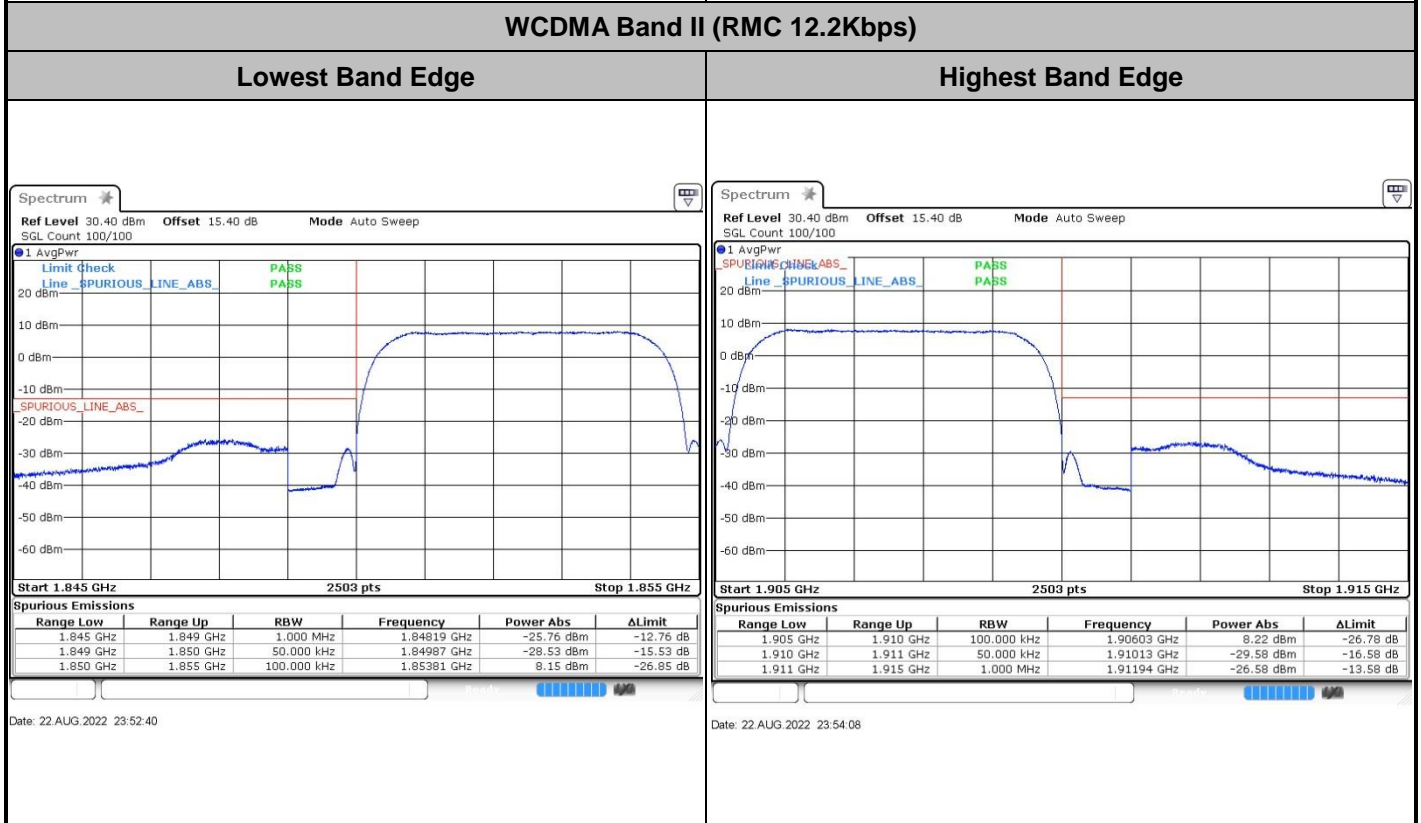
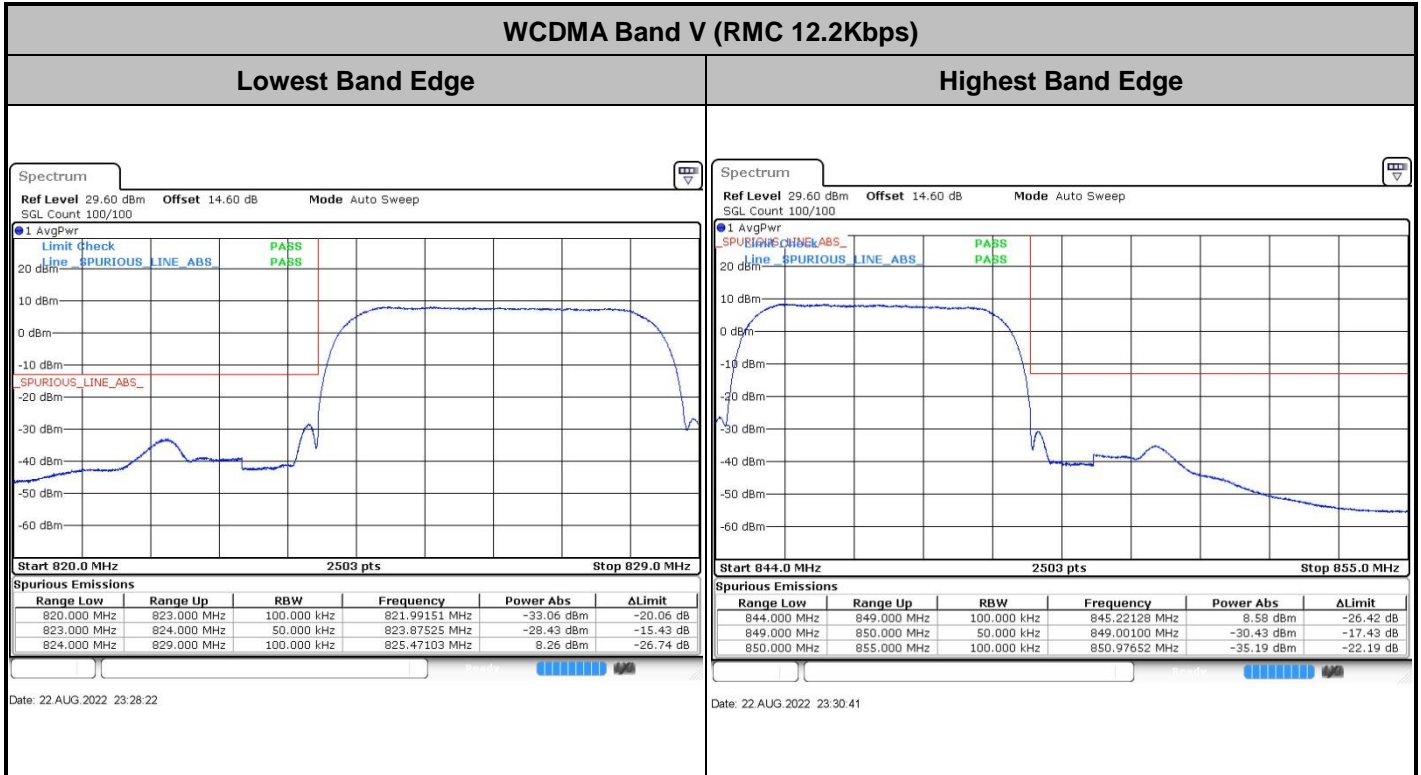
Highest Channel



Date: 22 AUG 2022 23:50:38

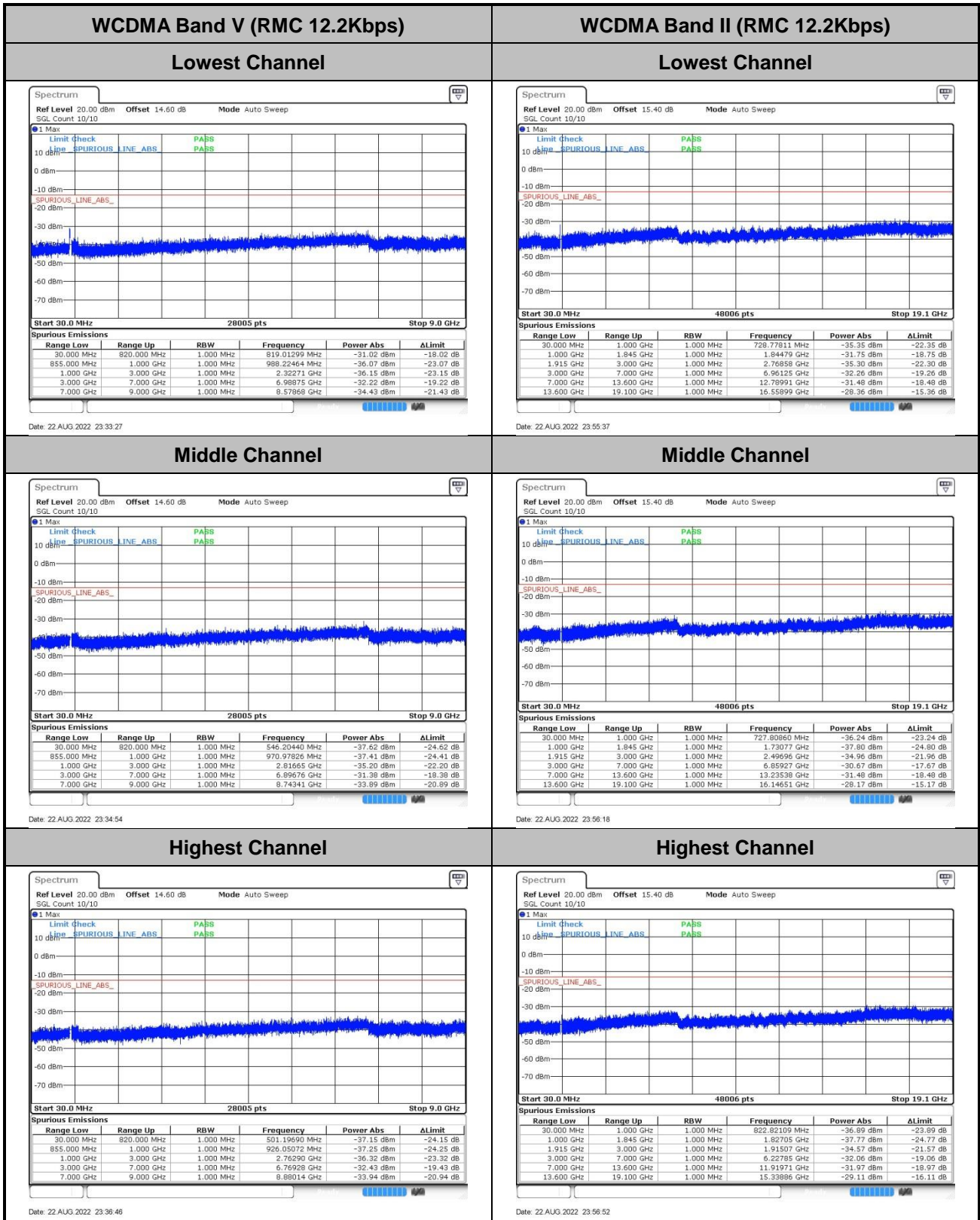


Conducted Band Edge





Conducted Spurious Emission





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	0.0028	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage = 3.86V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
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 II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage = 3.86V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
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 :	Levi zhuo	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

GSM850 (GSM)								
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	-37.48	-13	-24.48	-44.45	1.58	10.70	H
	2508	-30.84	-13	-17.84	-39.09	2.102	12.50	H
	3348	-50.86	-13	-37.86	-59.75	2.856	13.90	H
	1672	-42.28	-13	-29.28	-49.25	1.58	10.70	V
	2510	-35.55	-13	-22.55	-43.80	2.10	12.50	V
	3348	-52.58	-13	-39.58	-61.47	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots)								
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	-39.20	-13	-26.20	-46.17	1.58	10.70	H
	2512	-43.79	-13	-30.79	-52.04	2.102	12.50	H
	3344	-52.66	-13	-39.66	-61.55	2.856	13.90	H
	1672	-40.21	-13	-27.21	-47.18	1.58	10.70	V
	2512	-43.35	-13	-30.35	-51.60	2.10	12.50	V
	3344	-52.07	-13	-39.07	-60.96	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-46.57	-13	-33.57	-58.83	2.64	14.90	H
	5640	-38.30	-13	-25.30	-50.16	2.94	14.80	H
	7524	-51.74	-13	-38.74	-61.51	3.39	13.16	H
	9396	-44.91	-13	-31.91	-55.39	4.00	14.48	H
	3759	-51.76	-13	-38.76	-64.02	2.64	14.90	V
	5640	-34.04	-13	-21.04	-45.90	2.94	14.80	V
	7524	-50.82	-13	-37.82	-60.59	3.39	13.16	V
	9396	-47.49	-13	-34.49	-57.97	4.00	14.48	V

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

GSM1900 (EDGE 1 Tx slots)								
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	-51.46	-13	-38.46	-63.72	2.64	14.90	H
	5640	-36.95	-13	-23.95	-48.81	2.94	14.80	H
	7515	-51.79	-13	-38.79	-61.56	3.39	13.16	H
	9405	-45.51	-13	-32.51	-55.99	4.00	14.48	H
	3765	-50.03	-13	-37.03	-62.29	2.64	14.90	V
	5640	-33.10	-13	-20.10	-44.96	2.94	14.80	V
	7515	-50.73	-13	-37.73	-60.50	3.39	13.16	V
	9405	-46.44	-13	-33.44	-56.92	4.00	14.48	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-60.11	-13	-47.11	-67.08	1.58	10.70	H
	2512	-59.92	-13	-46.92	-68.17	2.102	12.50	H
	3344	-60.20	-13	-47.20	-69.09	2.856	13.90	H
	1672	-57.76	-13	-44.76	-64.73	1.58	10.70	V
	2512	-58.73	-13	-45.73	-66.98	2.10	12.50	V
	3344	-60.15	-13	-47.15	-69.04	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)								
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	-55.35	-13	-42.35	-67.61	2.64	14.90	H
	5640	-54.48	-13	-41.48	-66.34	2.94	14.80	H
	7515	-52.60	-13	-39.60	-62.37	3.39	13.16	H
	3765	-55.96	-13	-42.96	-68.22	2.64	14.90	V
	5640	-54.59	-13	-41.59	-66.45	2.94	14.80	V
	7515	-52.82	-13	-39.82	-62.59	3.39	13.16	V

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