



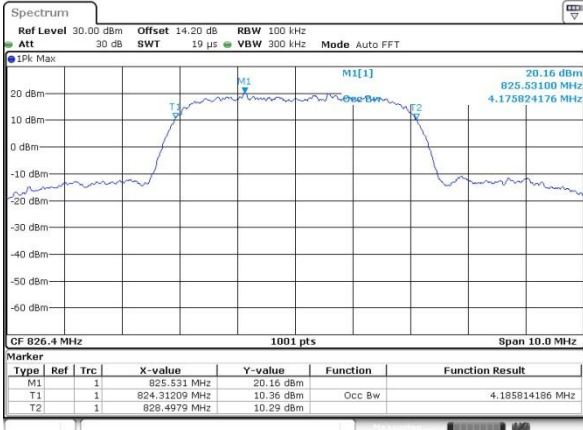
Occupied Bandwidth

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	4.19	4.15	4.15
Middle CH	4.15	4.17	4.15
Highest CH	4.16	4.16	4.15



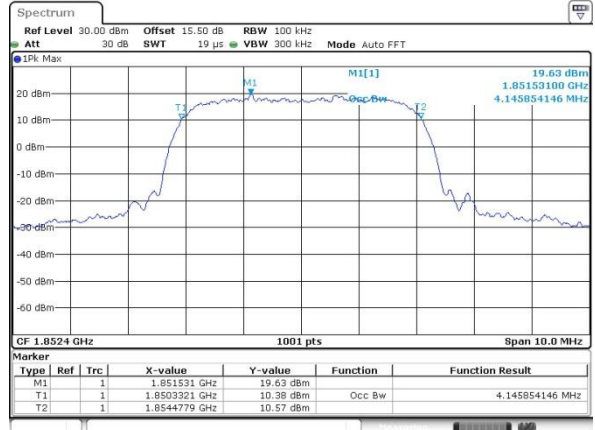
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

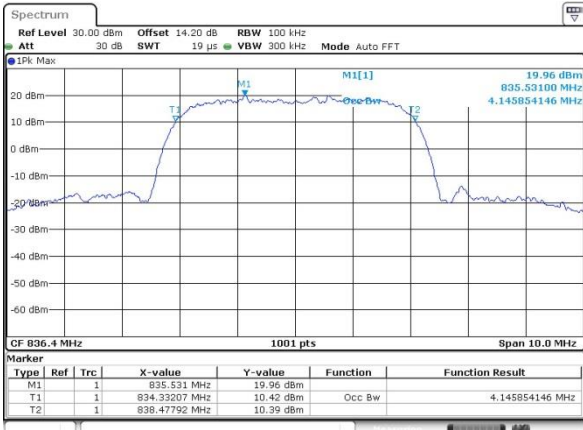


WCDMA Band II (RMC 12.2Kbps)

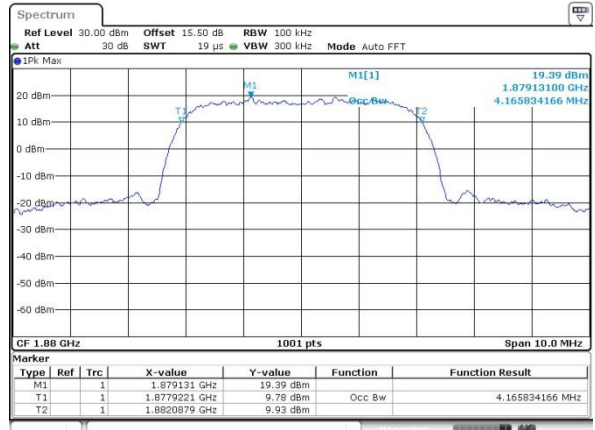
Lowest Channel



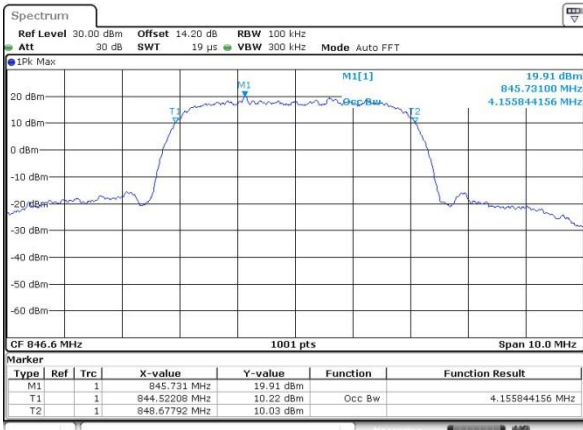
Middle Channel



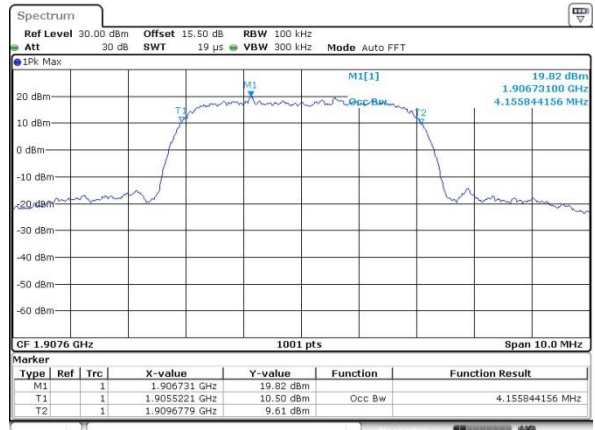
Middle Channel

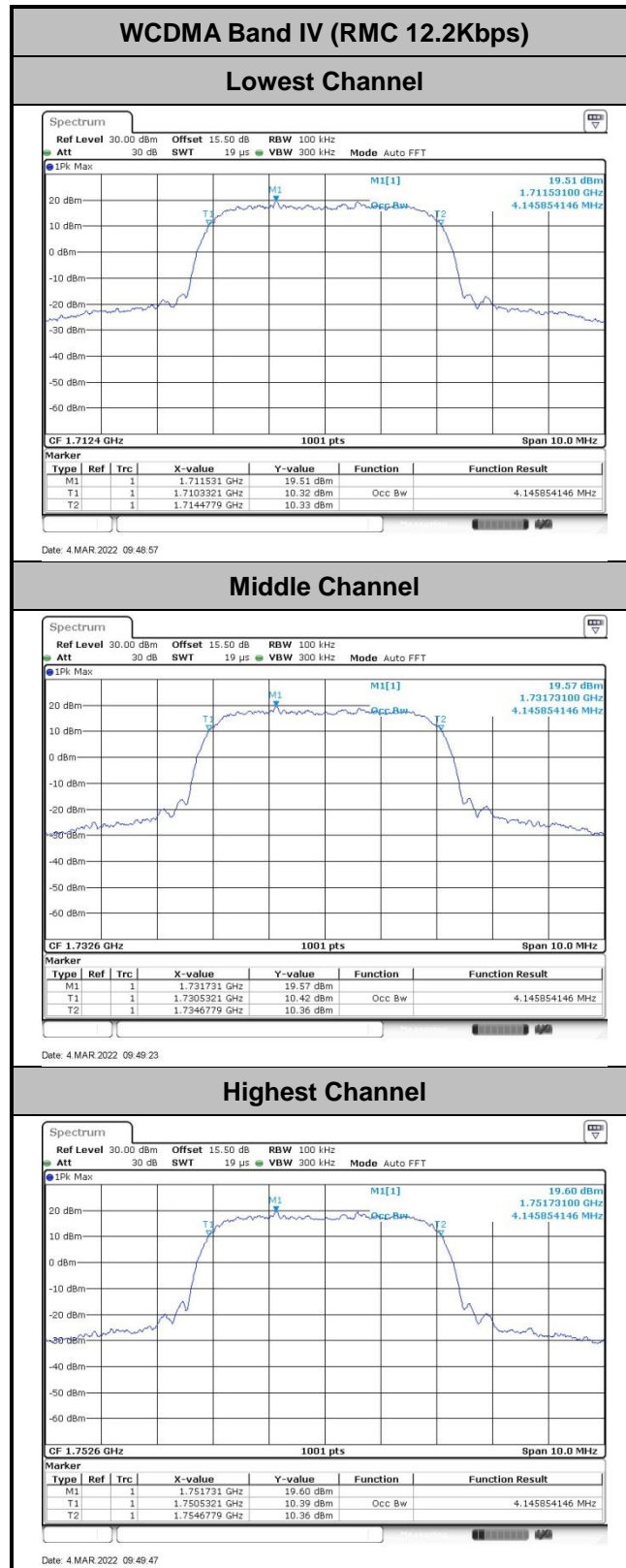


Highest Channel



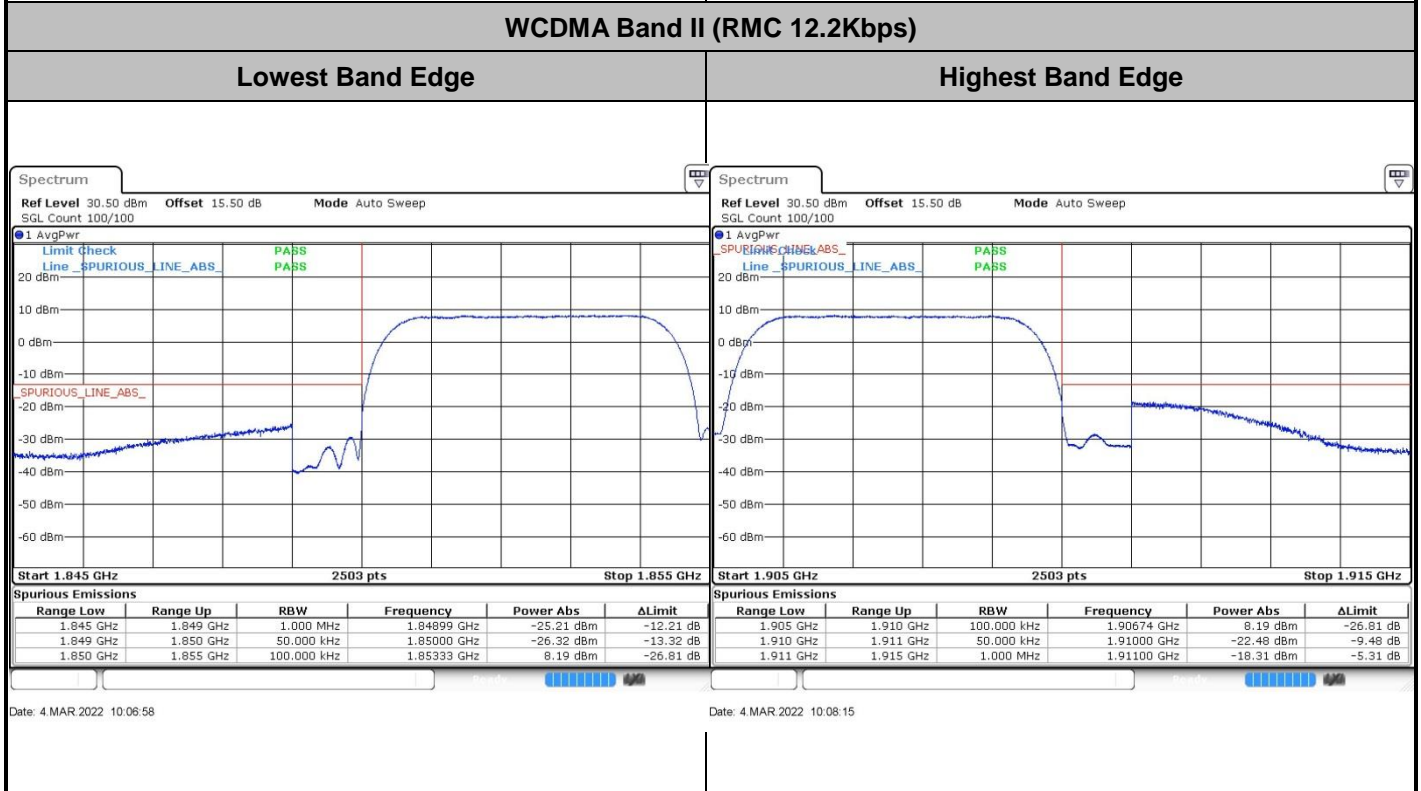
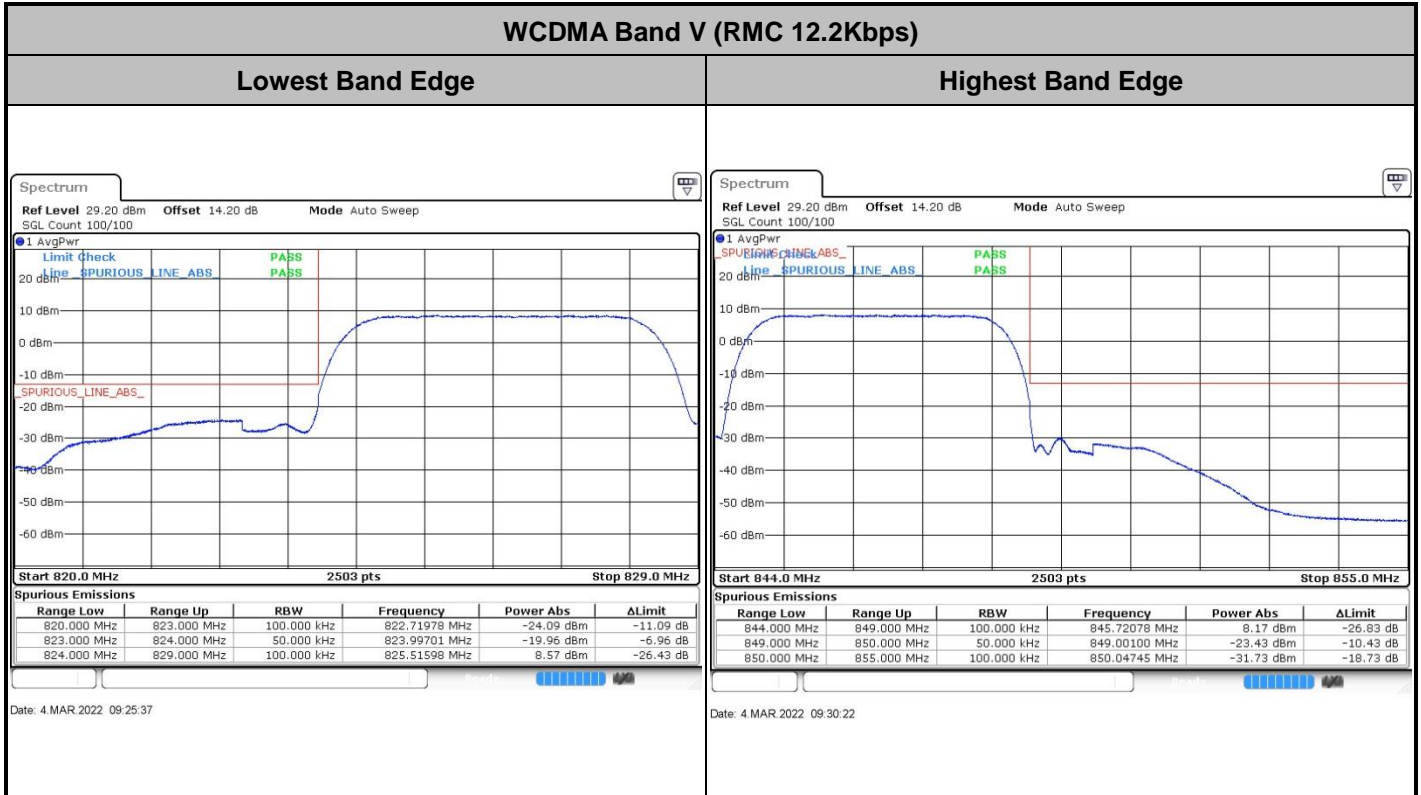
Highest Channel

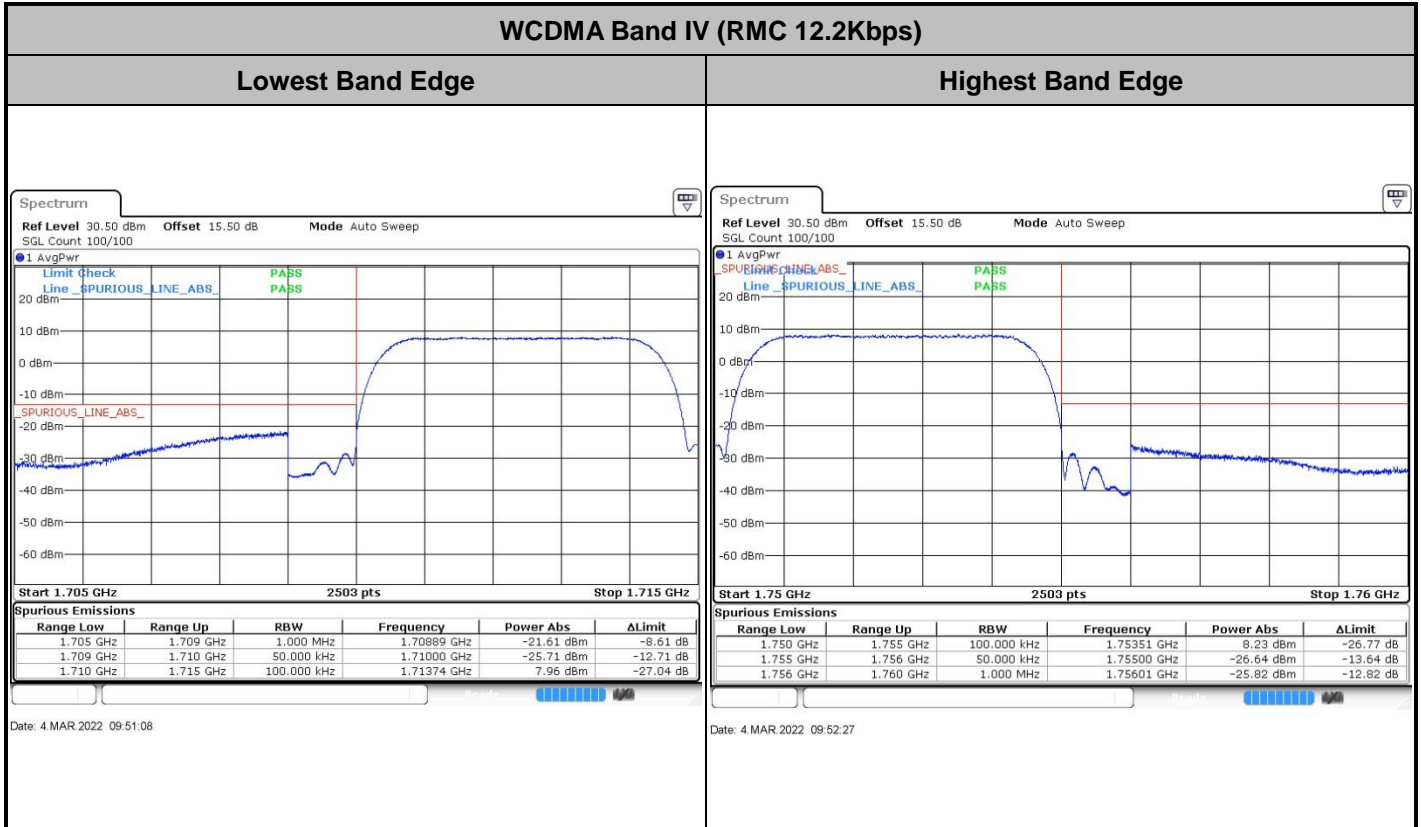






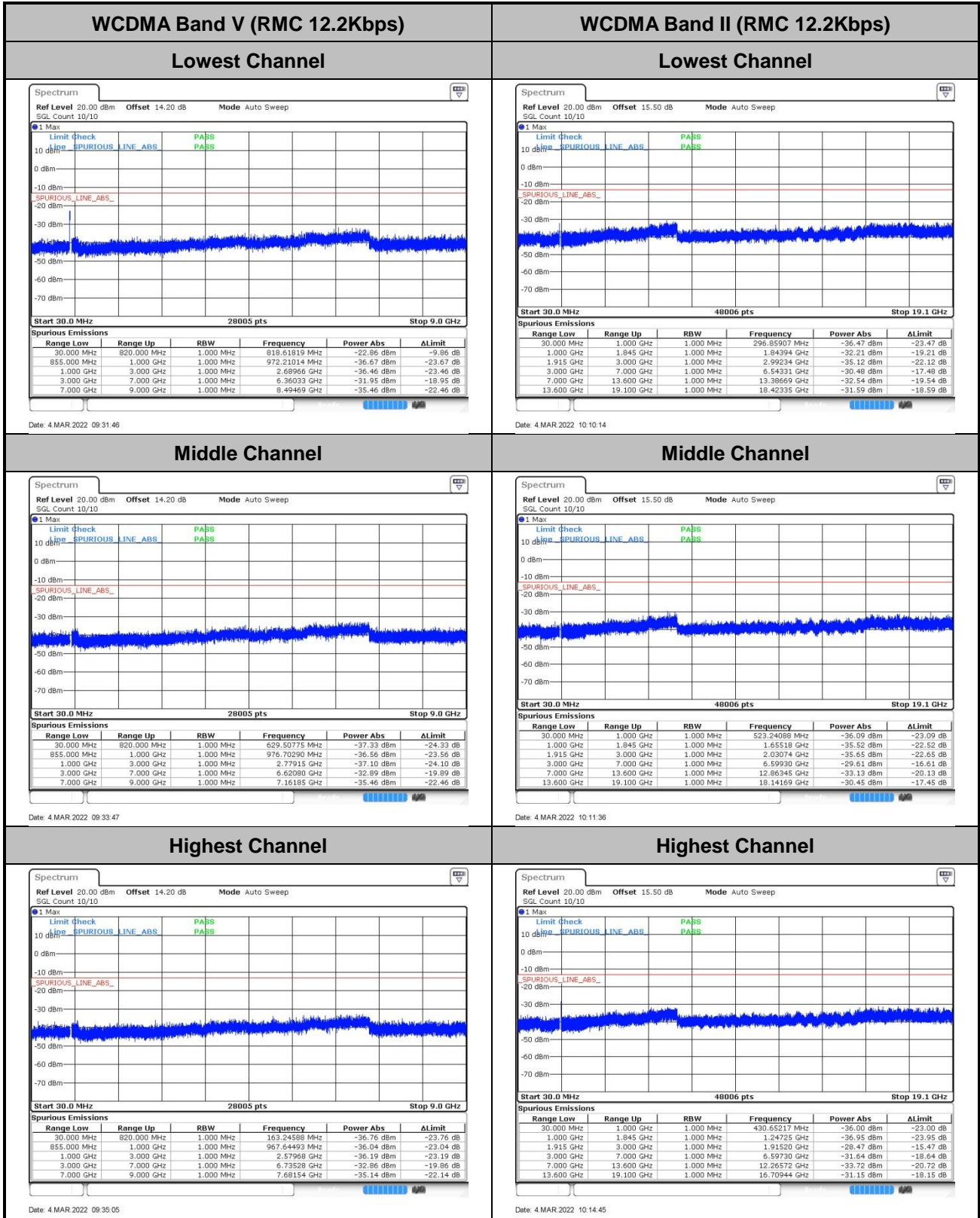
Conducted Band Edge

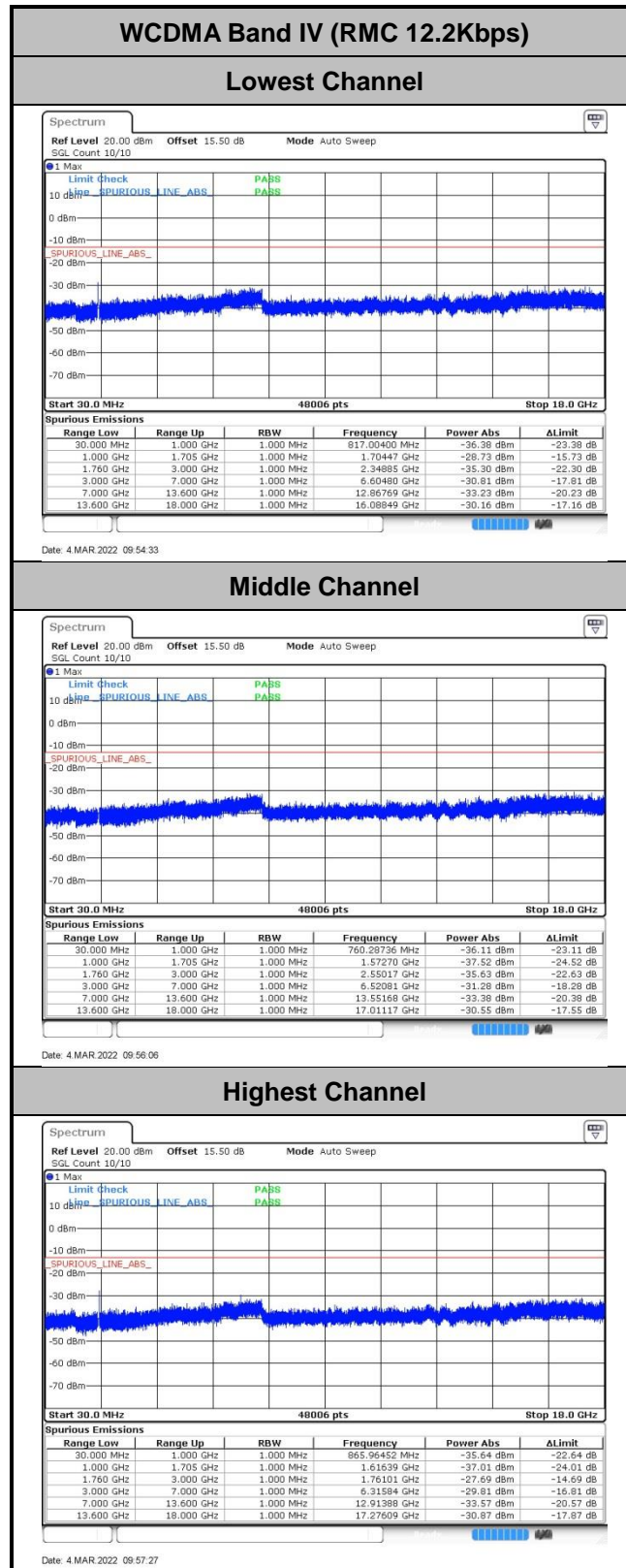






Conducted Spurious Emission







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	0.0021	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0133	
-20	Normal Voltage	0.0062	
-30	Normal Voltage	0.085	
20	Maximum Voltage	0.0118	
20	Normal Voltage	0.0111	
20	Battery End Point	0.0023	

Note: Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.3V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0123	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0105	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0145	
20	Maximum Voltage	0.0628	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage = 3.87V ; 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.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0065	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0740	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0089	
20	Battery End Point	0.0108	

Note:

1. Normal Voltage = 3.87V ; 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 :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

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	-58.37	-13	-45.37	-65.34	1.58	10.70	H
	2508	-43.04	-13	-30.04	-51.29	2.102	12.50	H
	3348	-60.04	-13	-47.04	-68.93	2.856	13.90	H
	1672	-57.18	-13	-44.18	-64.15	1.58	10.70	V
	2508	-41.56	-13	-28.56	-49.81	2.10	12.50	V
	3348	-59.87	-13	-46.87	-68.76	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	-48.15	-13	-35.15	-55.12	1.58	10.70	H
	2512	-50.01	-13	-37.01	-58.26	2.102	12.50	H
	3344	-58.78	-13	-45.78	-67.67	2.856	13.90	H
	1672	-48.98	-13	-35.98	-55.95	1.58	10.70	V
	2512	-54.57	-13	-41.57	-62.82	2.10	12.50	V
	3344	-59.23	-13	-46.23	-68.12	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	-53.90	-13	-40.90	-66.16	2.64	14.90	H
	5640	-45.50	-13	-32.50	-57.36	2.94	14.80	H
	7524	-52.56	-13	-39.56	-62.33	3.39	13.16	H
	3759	-53.52	-13	-40.52	-65.78	2.64	14.90	V
	5640	-48.21	-13	-35.21	-60.07	2.94	14.80	V
	7524	-51.32	-13	-38.32	-61.09	3.39	13.16	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	-56.14	-13	-43.14	-68.40	2.64	14.90	H
	5640	-49.09	-13	-36.09	-60.95	2.94	14.80	H
	7515	-51.77	-13	-38.77	-61.54	3.39	13.16	H
	3765	-56.32	-13	-43.32	-68.58	2.64	14.90	V
	5640	-54.15	-13	-41.15	-66.01	2.94	14.80	V
	7515	-51.60	-13	-38.60	-61.37	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)								
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	-61.89	-13	-48.89	-68.86	1.58	10.70	H
	2512	-57.13	-13	-44.13	-65.38	2.102	12.50	H
	3344	-57.22	-13	-44.22	-66.11	2.856	13.90	H
	1672	-62.37	-13	-49.37	-69.34	1.58	10.70	V
	2512	-57.44	-13	-44.44	-65.69	2.10	12.50	V
	3344	-57.30	-13	-44.30	-66.19	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	-56.15	-13	-43.15	-68.41	2.64	14.90	H
	5640	-54.23	-13	-41.23	-66.09	2.94	14.80	H
	7515	-51.51	-13	-38.51	-61.28	3.39	13.16	H
	3765	-56.00	-13	-43.00	-68.26	2.64	14.90	V
	5640	-54.60	-13	-41.60	-66.46	2.94	14.80	V
	7515	-51.83	-13	-38.83	-61.60	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)								
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	-57.21	-13	-44.21	-67.95	2.604	13.34	H
	5190	-54.01	-13	-41.01	-64.52	3.011	13.52	H
	6930	-52.53	-13	-39.53	-62.73	3.271	13.47	H
	3465	-57.53	-13	-44.53	-68.27	2.604	13.34	V
	5190	-54.10	-13	-41.10	-64.61	3.011	13.52	V
	6930	-52.94	-13	-39.94	-63.14	3.271	13.47	V

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