



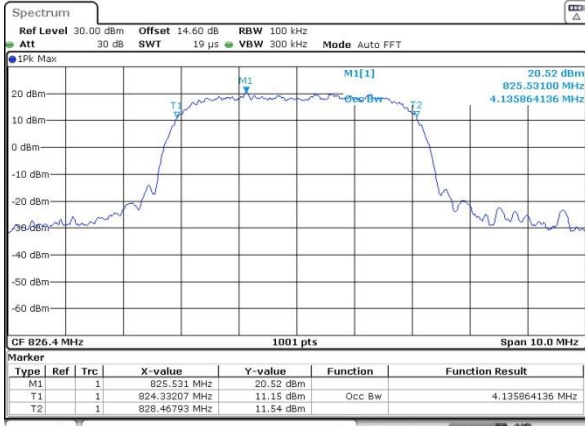
### Occupied Bandwidth

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	4.14	4.14	4.15
Middle CH	4.14	4.15	4.15
Highest CH	4.15	4.16	4.16



WCDMA Band V (RMC 12.2Kbps)

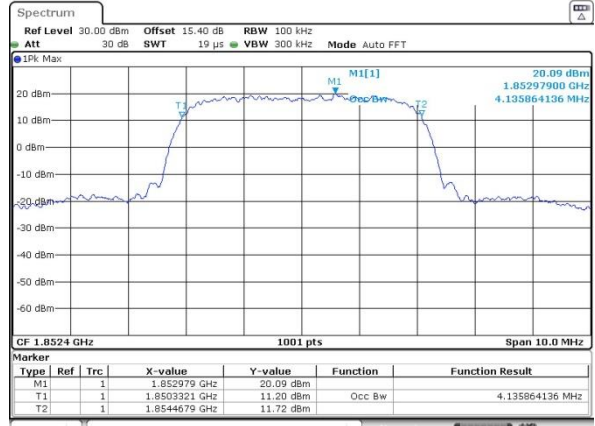
Lowest Channel



Date: 30\_JAN.2022 05:01:30

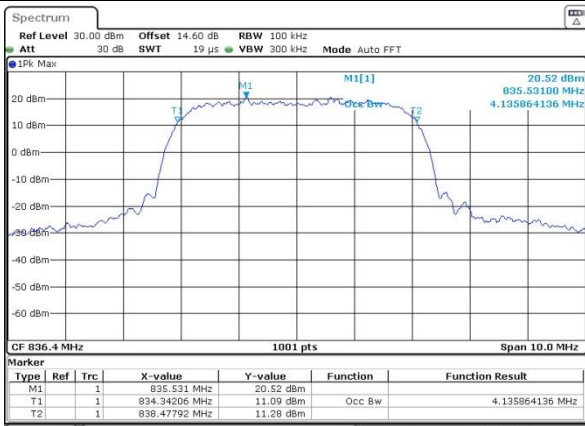
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



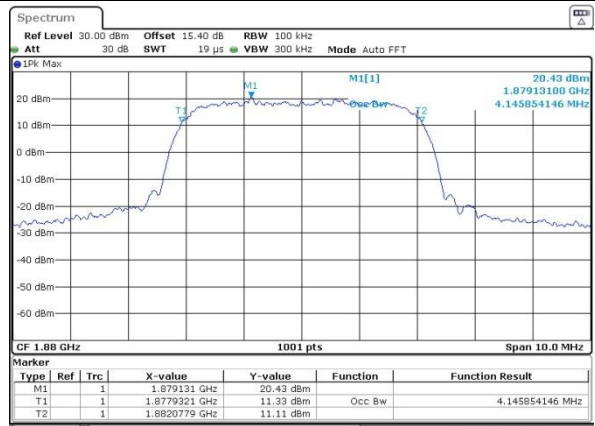
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Middle Channel



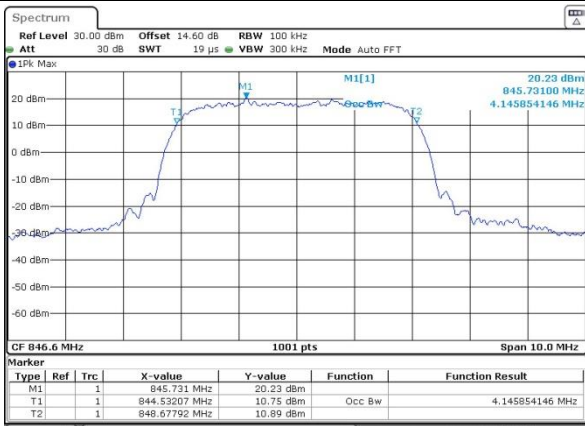
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Middle Channel



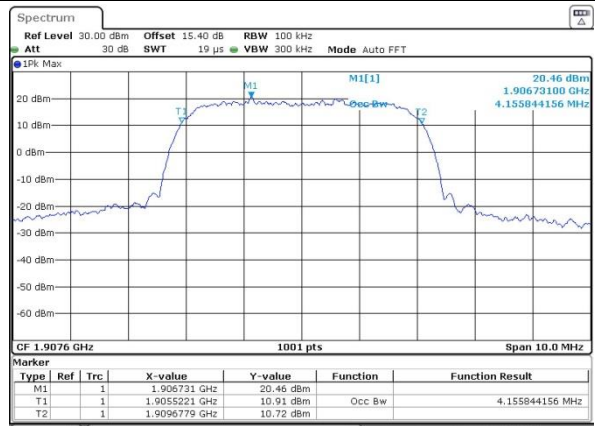
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Highest Channel

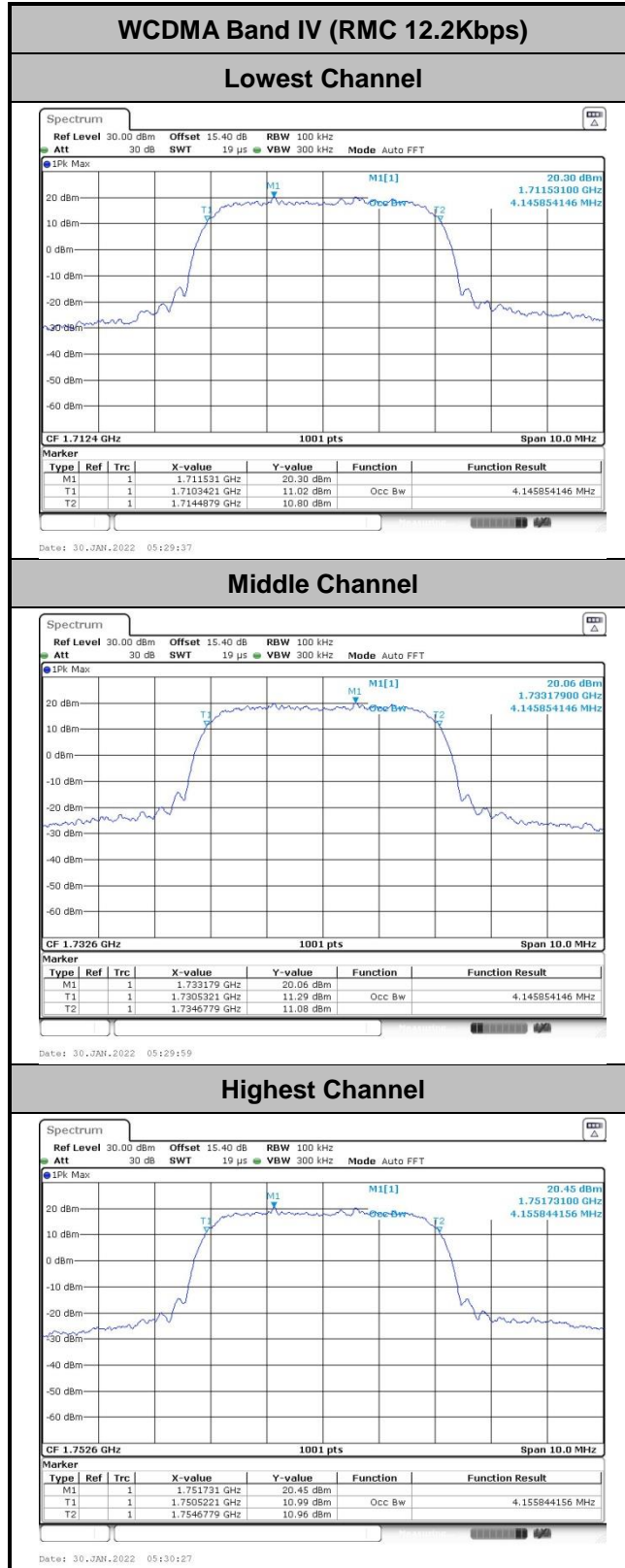


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Highest Channel

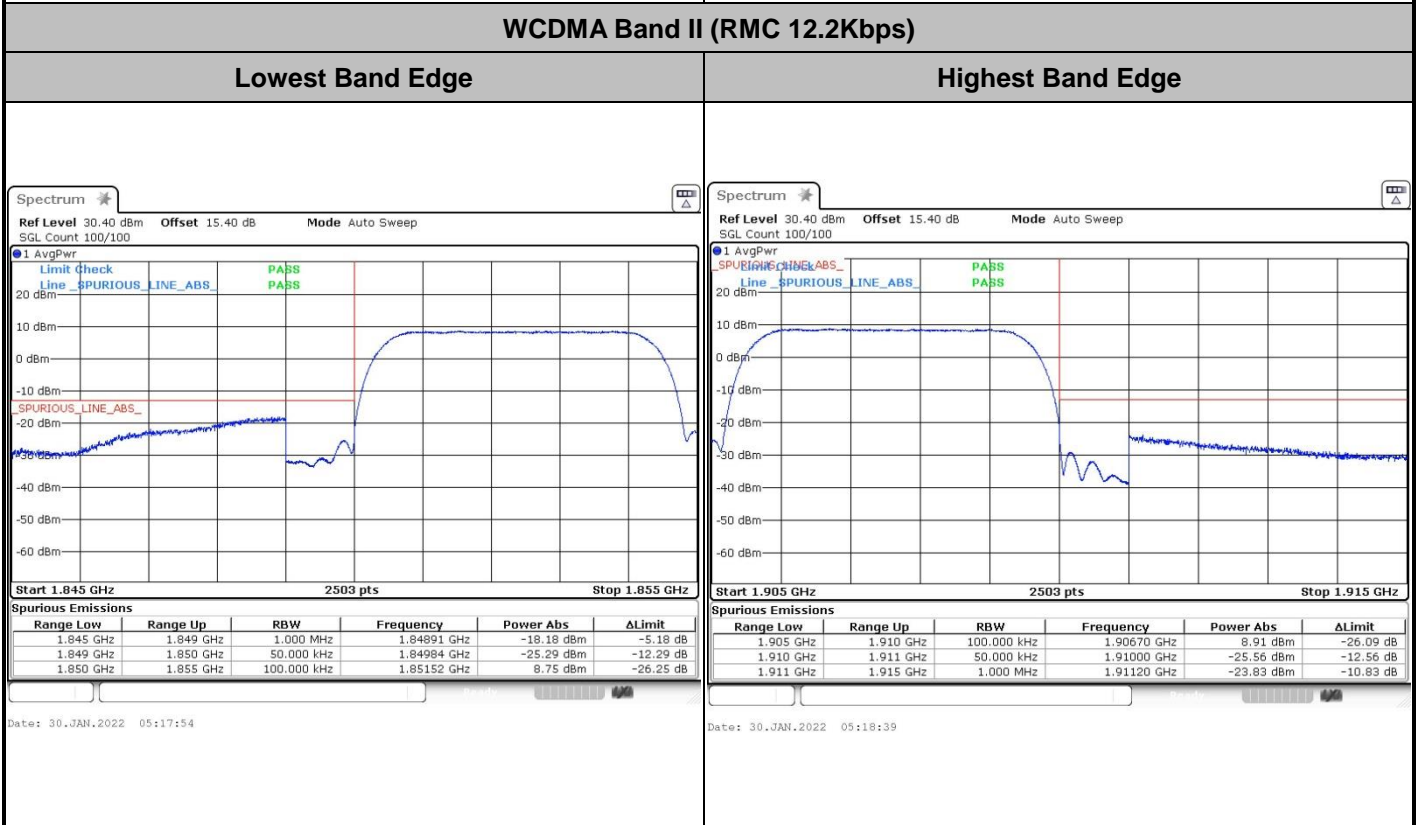
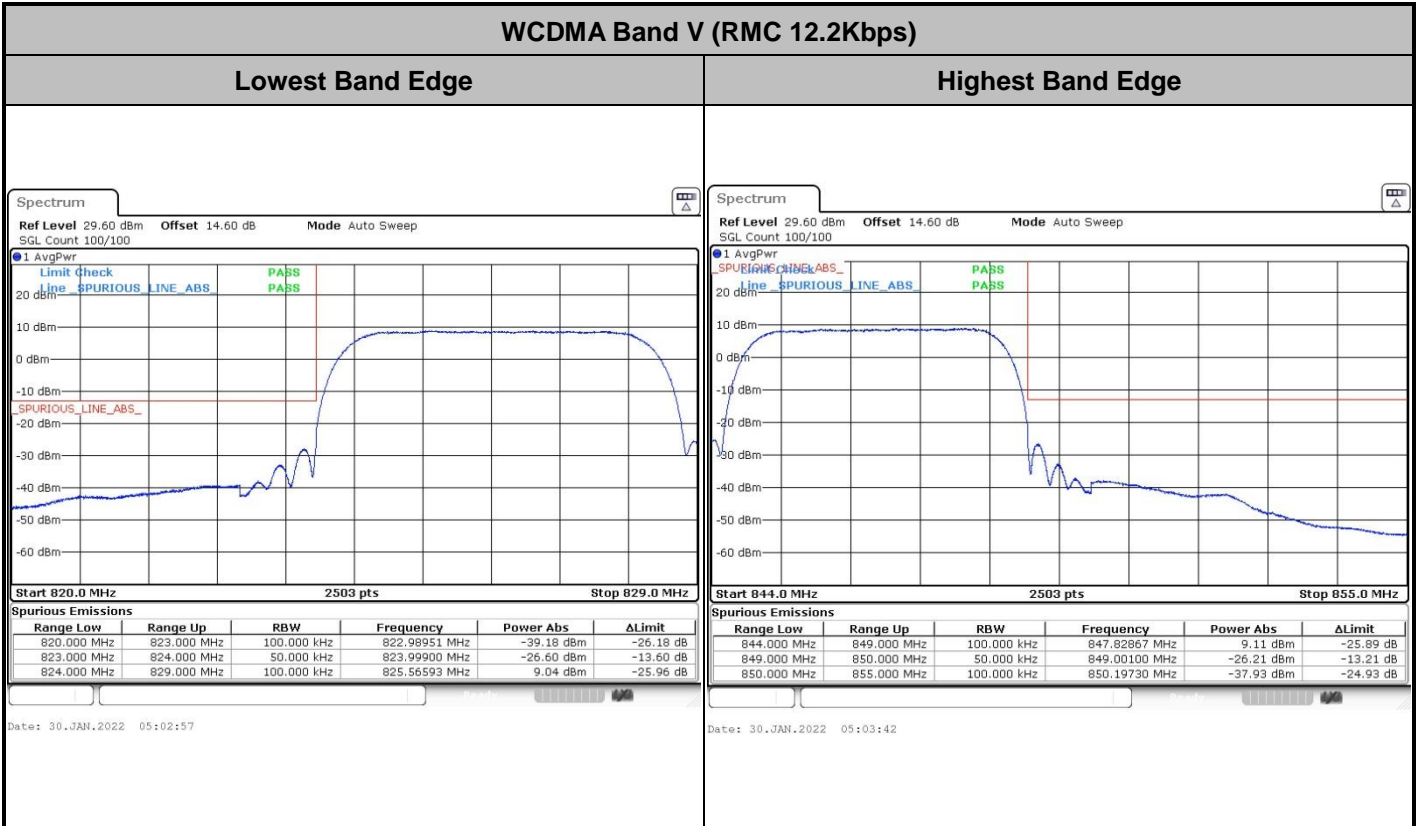


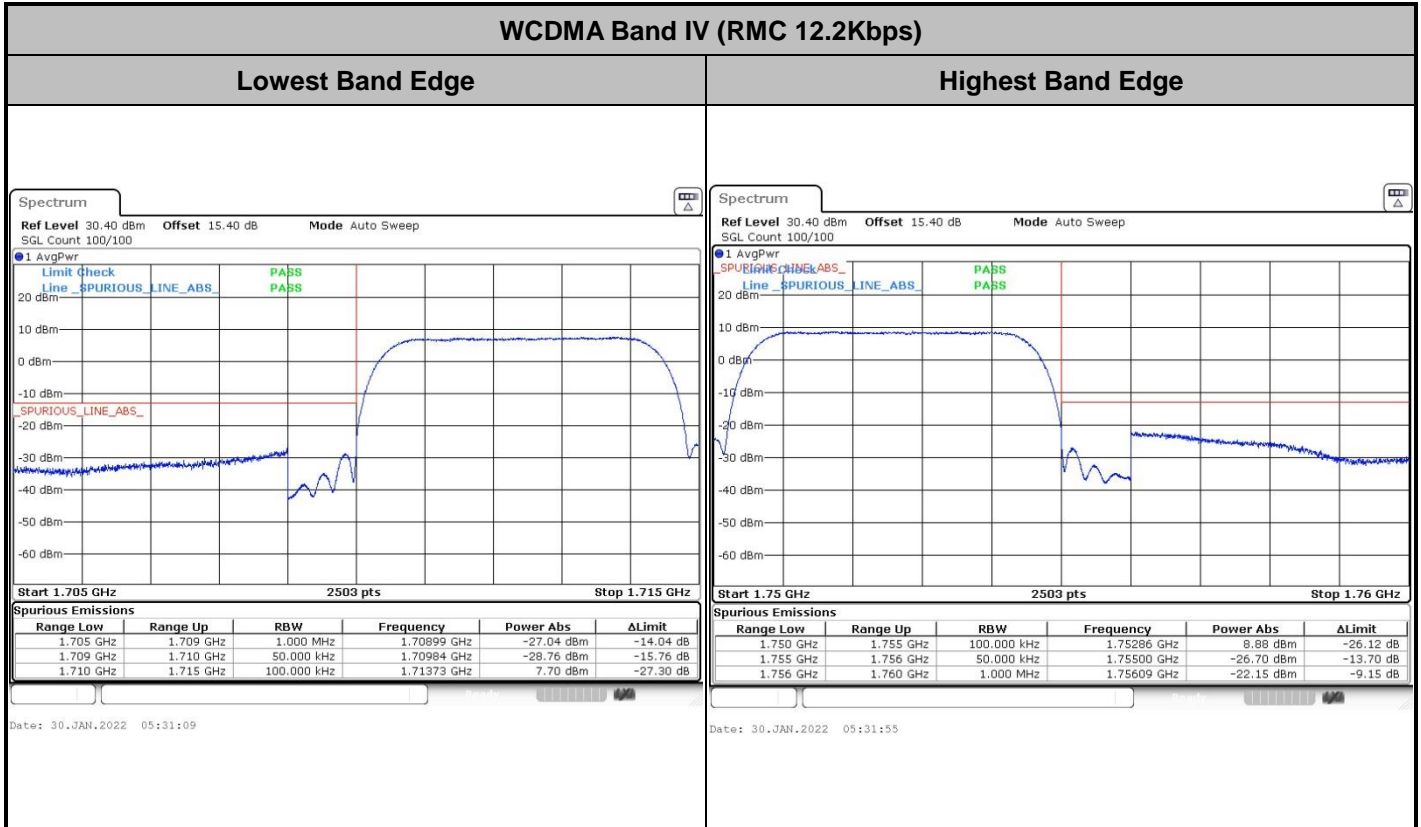
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# Conducted Band Edge

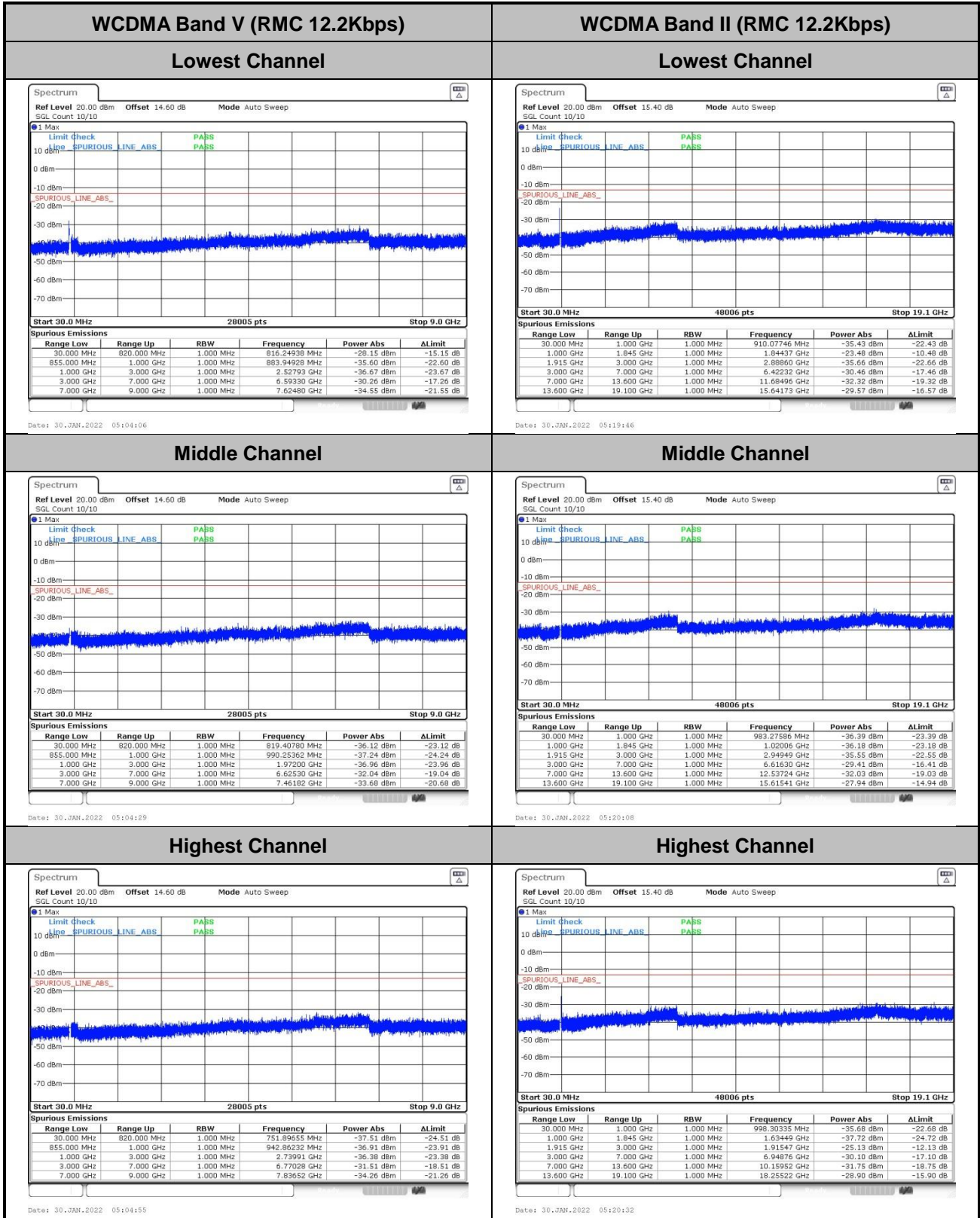


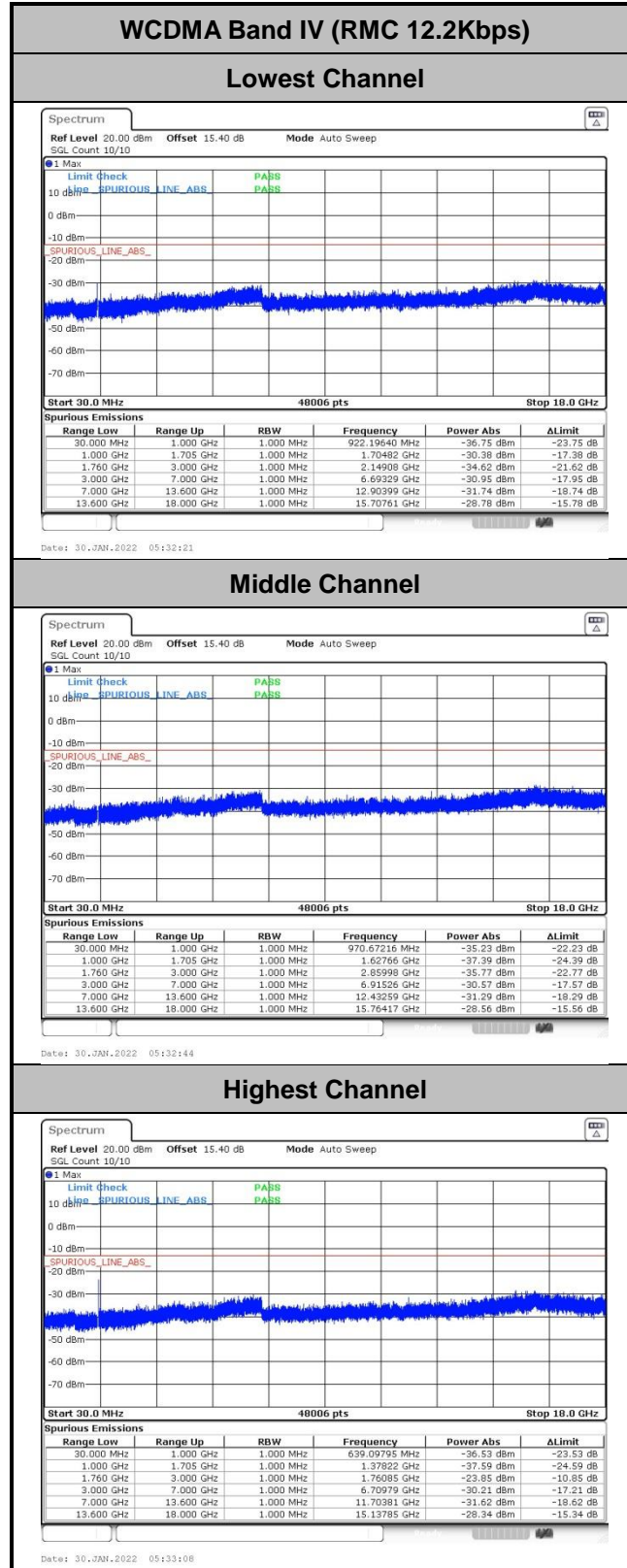






# Conducted Spurious Emission









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	0.0054	PASS
40	Normal Voltage	0.0375	
30	Normal Voltage	0.0488	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0345	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0413	
20	Normal Voltage	0.0174	
20	Battery End Point	0.0065	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0165	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0154	
0	Normal Voltage	0.0136	
-10	Normal Voltage	0.0245	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0165	
20	Maximum Voltage	0.0165	
20	Normal Voltage	0.0125	
20	Battery End Point	0.0016	



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	0.0147	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0176	
-20	Normal Voltage	0.0164	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0114	

**Note:**

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48V
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%

Note: Pre-scanned harmonic for testing, we choose the worst antenna mode to test.

GSM850 (GSM) for Ant.0								
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	-65.54	-13	-52.54	-72.51	1.58	10.70	H
	2512	-60.18	-13	-47.18	-68.43	2.102	12.50	H
	3344	-59.52	-13	-46.52	-68.41	2.856	13.90	H
	1672	-64.78	-13	-51.78	-71.75	1.58	10.70	V
	2512	-59.91	-13	-46.91	-68.16	2.10	12.50	V
	3344	-59.95	-13	-46.95	-68.84	2.86	13.90	V

GSM850 (EDGE class 8) for Ant.0								
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	1680	-63.40	-13	-50.40	-70.37	1.58	10.70	H
	2512	-60.11	-13	-47.11	-68.36	2.102	12.50	H
	3344	-59.57	-13	-46.57	-68.46	2.856	13.90	H
	1680	-62.19	-13	-49.19	-69.16	1.58	10.70	V
	2512	-59.79	-13	-46.79	-68.04	2.10	12.50	V
	3344	-59.31	-13	-46.31	-68.20	2.86	13.90	V

GSM1900 (GSM) for Ant.5								
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	-46.12	-13	-33.12	-58.38	2.64	14.90	H
	5640	-55.02	-13	-42.02	-66.88	2.94	14.80	H
	7524	-52.71	-13	-39.71	-62.48	3.39	13.16	H
	3759	-50.11	-13	-37.11	-62.37	2.64	14.90	V
	5640	-55.62	-13	-42.62	-67.48	2.94	14.80	V
	7524	-53.03	-13	-40.03	-62.80	3.39	13.16	V



GSM1900 (EDGE class 8) for Ant.5								
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	-48.59	-13	-35.59	-60.85	2.64	14.90	H
	5640	-54.94	-13	-41.94	-66.80	2.94	14.80	H
	7515	-52.88	-13	-39.88	-62.65	3.39	13.16	H
	3765	-54.18	-13	-41.18	-66.44	2.64	14.90	V
	5640	-54.61	-13	-41.61	-66.47	2.94	14.80	V
	7515	-52.49	-13	-39.49	-62.26	3.39	13.16	V

WCDMA Band V(RMC 12.2Kbps) for Ant.0								
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	1680	-63.90	-13	-50.90	-70.87	1.58	10.70	H
	2512	-60.51	-13	-47.51	-68.76	2.102	12.50	H
	3344	-59.18	-13	-46.18	-68.07	2.856	13.90	H
	1680	-62.55	-13	-49.55	-69.52	1.58	10.70	V
	2512	-59.96	-13	-46.96	-68.21	2.10	12.50	V
	3344	-59.84	-13	-46.84	-68.73	2.86	13.90	V

WCDMA Band II(RMC 12.2Kbps) for Ant.5								
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	-55.33	-13	-42.33	-67.59	2.64	14.90	H
	5640	-54.51	-13	-41.51	-66.37	2.94	14.80	H
	7515	-51.66	-13	-38.66	-61.43	3.39	13.16	H
	3765	-56.57	-13	-43.57	-68.83	2.64	14.90	V
	5640	-54.74	-13	-41.74	-66.60	2.94	14.80	V
	7515	-52.50	-13	-39.50	-62.27	3.39	13.16	V

WCDMA Band IV(RMC 12.2Kbps) for Ant.5								
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	-55.91	-13	-42.91	-66.65	2.604	13.34	H
	5190	-54.65	-13	-41.65	-65.16	3.011	13.52	H
	6930	-54.22	-13	-41.22	-64.42	3.271	13.47	H
	3465	-56.70	-13	-43.70	-67.44	2.604	13.34	V
	5190	-54.62	-13	-41.62	-65.13	3.011	13.52	V
	6930	-54.06	-13	-41.06	-64.26	3.271	13.47	V

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