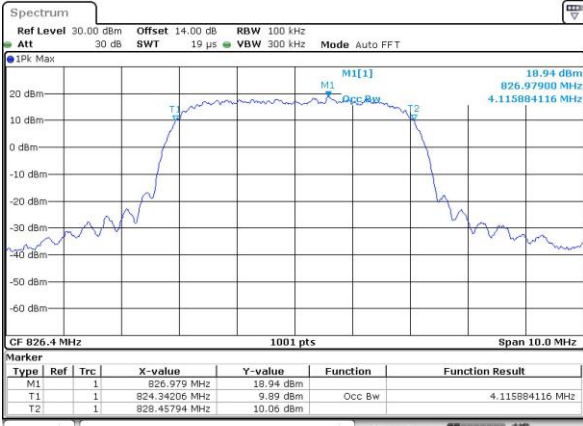




WCDMA Band V (RMC 12.2Kbps)

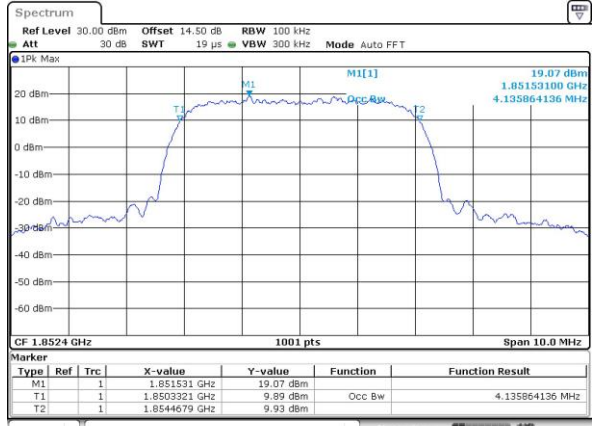
Lowest Channel



Date: 7.FEB.2021 11:03:37

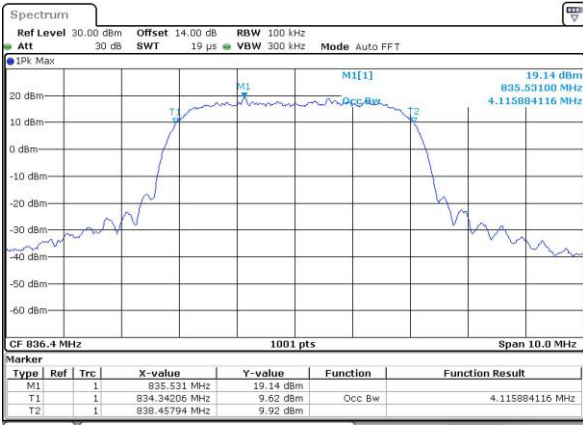
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



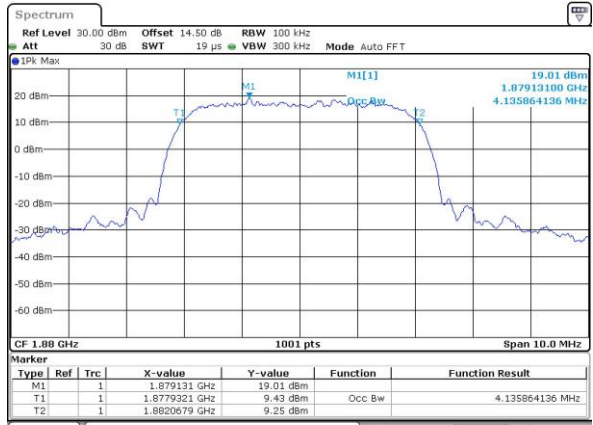
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Middle Channel



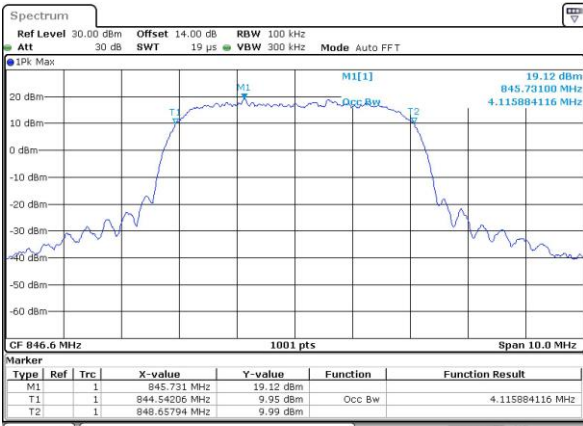
Date: 7.FEB.2021 11:04:00

Middle Channel



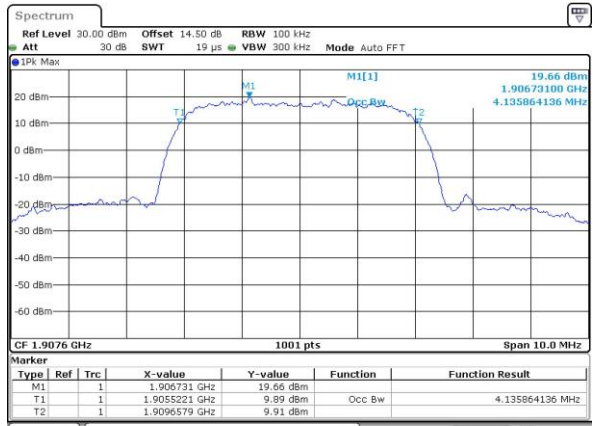
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Highest Channel

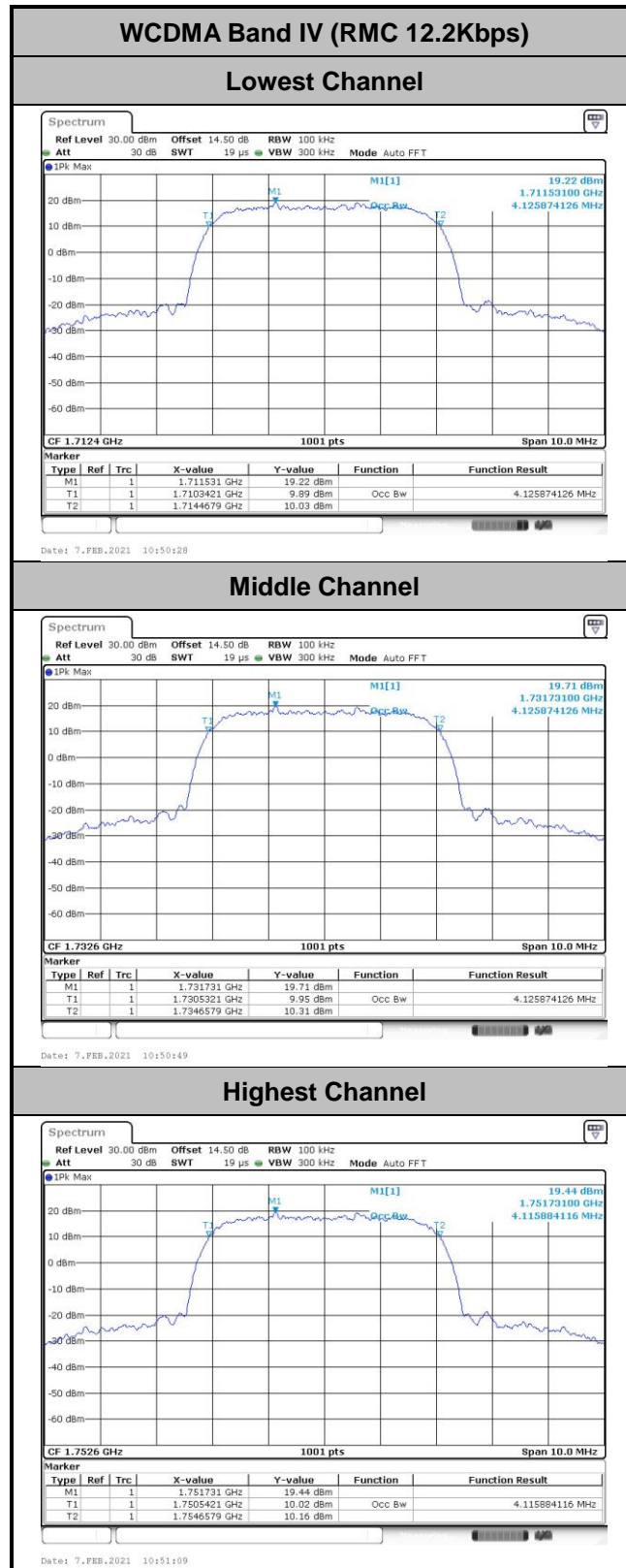


Date: 7.FEB.2021 11:04:22

Highest Channel

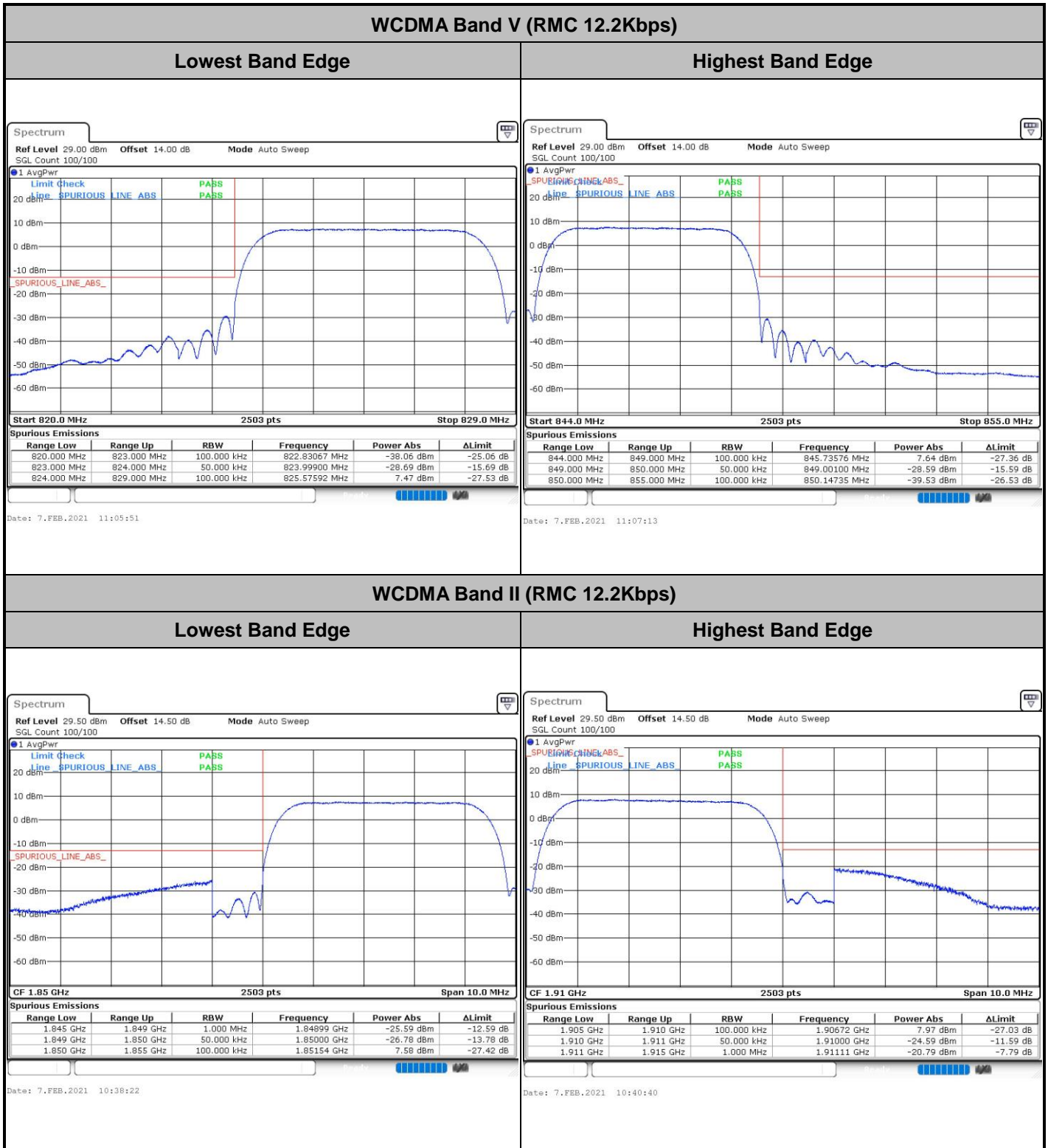


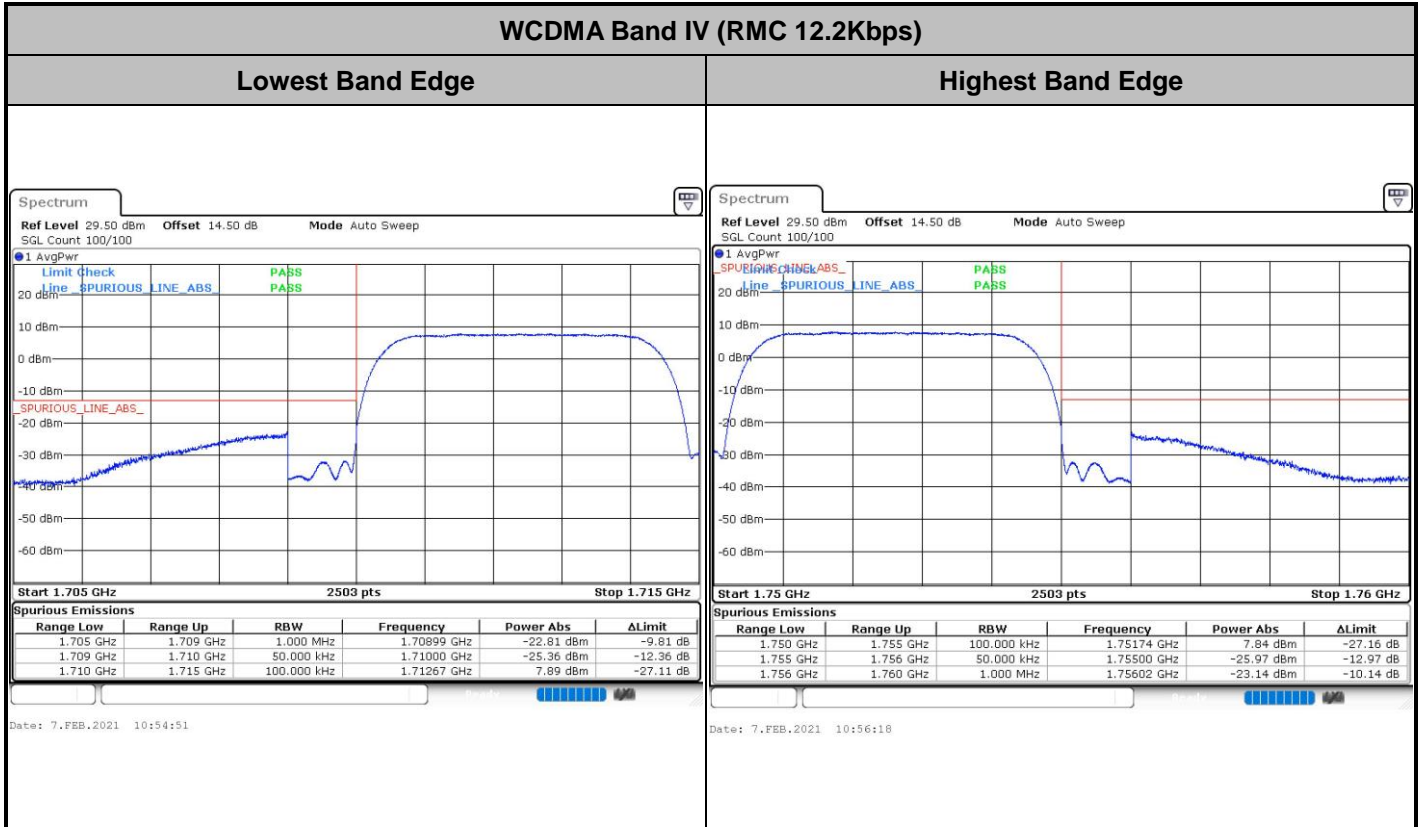
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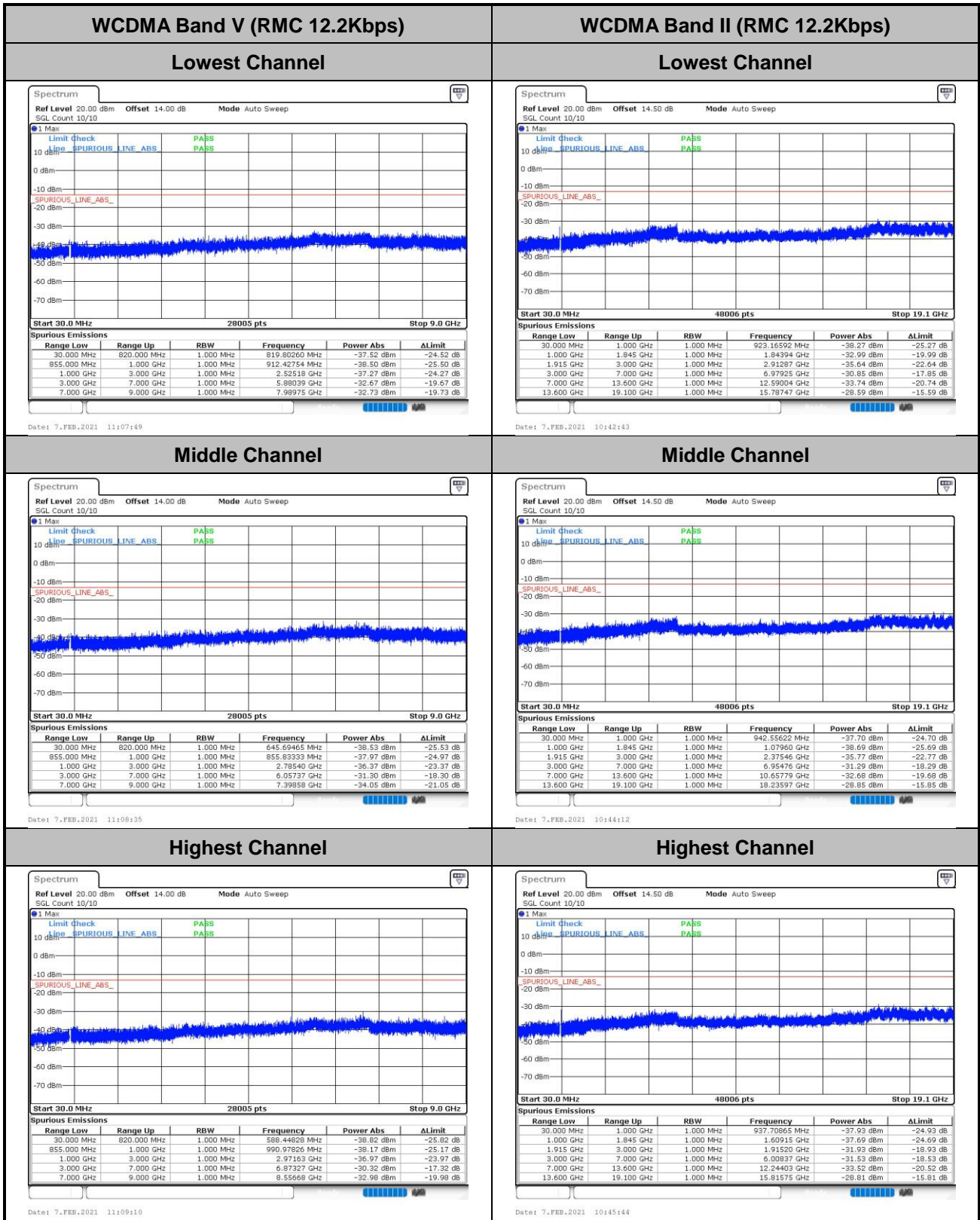
Conducted Band Edge

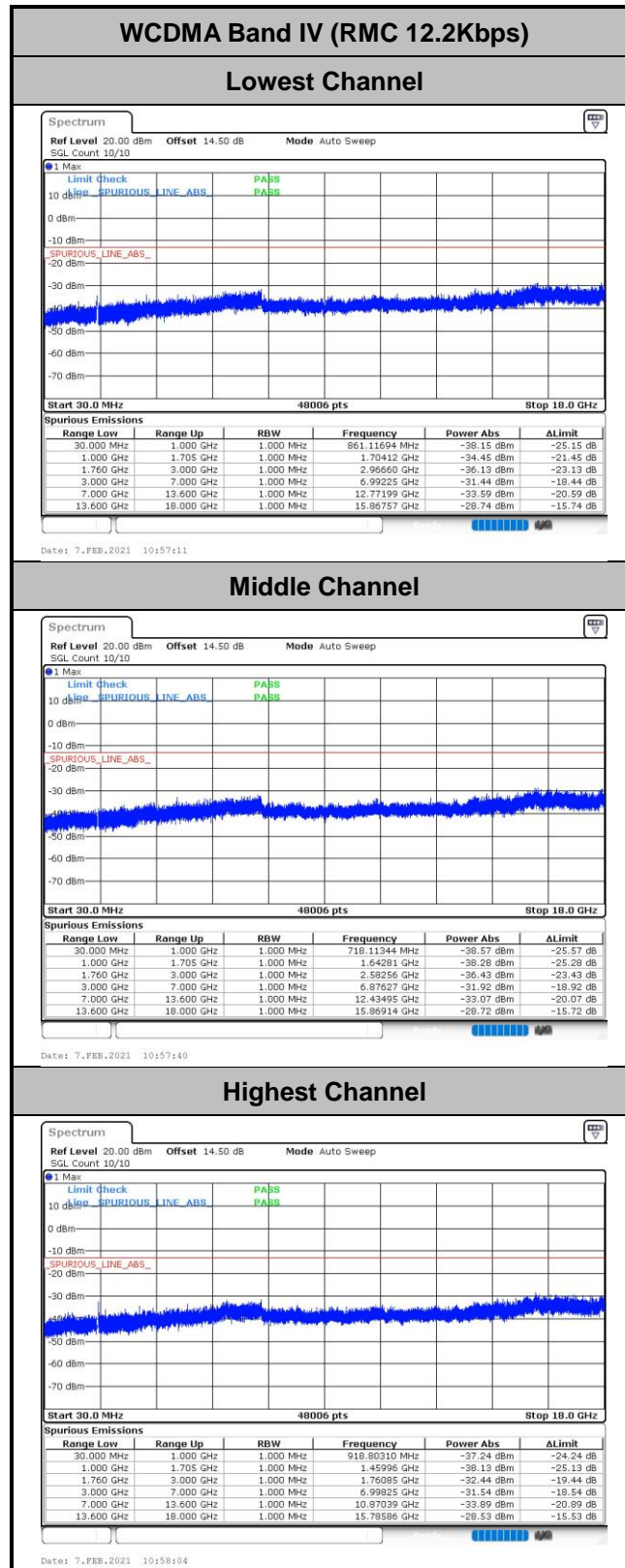






Conducted Spurious Emission







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	0.0012	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0002	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0081	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 V
- 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

GSM850 (GPRS 1 Tx slots)									
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)
Middle	1672.8	-42.61	-13	-29.61	-52.37	-45.86	4.00	9.40	H
	2509.2	-51.72	-13	-38.72	-65.92	-55.29	4.88	10.60	H
	3345.6	-60.31	-13	-47.31	-76.65	-65.24	5.52	12.60	H
	1672.8	-45.91	-13	-32.91	-55.12	-49.16	4.00	9.40	V
	2509.2	-50.55	-13	-37.55	-64.71	-54.12	4.88	10.60	V
	3345.6	-60.57	-13	-47.57	-76.64	-65.50	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-42.75	-13	-29.75	-52.51	-46.00	4.00	9.40	H
	2509.2	-48.15	-13	-35.15	-62.35	-51.72	4.88	10.60	H
	3345.6	-60.55	-13	-47.55	-76.89	-65.48	5.52	12.60	H
	1672.8	-40.63	-13	-27.63	-49.84	-43.88	4.00	9.40	V
	2509.2	-48.48	-13	-35.48	-62.64	-52.05	4.88	10.60	V
	3345.6	-59.99	-13	-46.99	-76.06	-64.92	5.52	12.60	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	3760	-44.99	-13	-31.99	-64.07	-51.74	5.85	12.60	H
	5640	-48.03	-13	-35.03	-72.13	-53.83	7.30	13.10	H
	7520	-49.78	-13	-36.78	-76.52	-52.93	8.35	11.50	H
	3760	-37.96	-13	-24.96	-56.97	-44.71	5.85	12.60	V
	5640	-49.27	-13	-36.27	-72.62	-55.07	7.30	13.10	V
	7520	-49.80	-13	-36.80	-76.52	-52.95	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3760	-44.82	-13	-31.82	-63.90	-51.57	5.85	12.60	H
	5640	-49.44	-13	-36.44	-73.54	-55.24	7.30	13.10	H
	7520	-50.60	-13	-37.60	-77.34	-53.75	8.35	11.50	H
	3760	-44.42	-13	-31.42	-63.43	-51.17	5.85	12.60	V
	5640	-53.47	-13	-40.47	-76.82	-59.27	7.30	13.10	V
	7520	-50.46	-13	-37.46	-77.18	-53.61	8.35	11.50	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)
Middle	1672.8	-49.10	-13	-36.10	-58.86	-52.35	4.00	9.40	H
	2509.2	-61.70	-13	-48.70	-75.90	-65.27	4.88	10.60	H
	3345.6	-60.58	-13	-47.58	-76.92	-65.51	5.52	12.60	H
	1672.8	-48.92	-13	-35.92	-58.13	-52.17	4.00	9.40	V
	2509.2	-61.78	-13	-48.78	-75.94	-65.35	4.88	10.60	V
	3345.6	-60.70	-13	-47.70	-76.77	-65.63	5.52	12.60	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)
Middle	3760	-45.21	-13	-32.21	-64.29	-51.96	5.85	12.60	H
	5640	-50.04	-13	-37.04	-74.14	-55.84	7.30	13.10	H
	7520	-37.93	-13	-24.93	-64.67	-41.08	8.35	11.50	H
	3760	-44.44	-13	-31.44	-63.45	-51.19	5.85	12.60	V
	5640	-51.12	-13	-38.12	-74.47	-56.92	7.30	13.10	V
	7520	-37.03	-13	-24.03	-63.75	-40.18	8.35	11.50	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	3465.2	-43.09	-13	-30.09	-60.53	-49.94	5.65	12.50	H
	5197.8	-49.84	-13	-36.84	-72.43	-55.51	7.13	12.80	H
	6930.4	-39.28	-13	-26.28	-65.49	-42.68	8.40	11.80	H
	8663	-41.03	-13	-28.03	-70.92	-43.88	8.75	11.60	H
	3465.2	-43.32	-13	-30.32	-60.78	-50.17	5.65	12.50	V
	5197.8	-48.96	-13	-35.96	-71.86	-54.63	7.13	12.80	V
	6930.4	-39.51	-13	-26.51	-66.19	-42.91	8.40	11.80	V
	8663	-41.68	-13	-28.68	-70.82	-44.53	8.75	11.60	V

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