





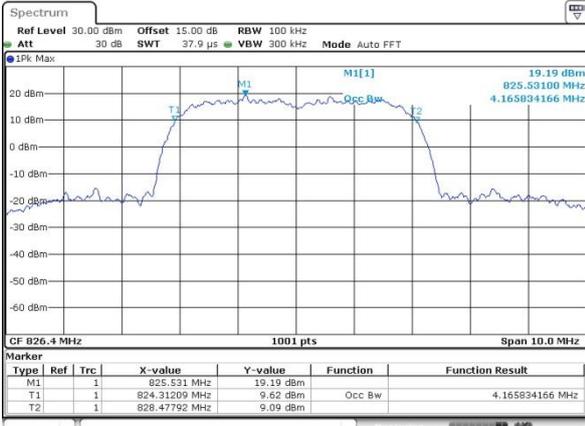
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.166	4.136	4.136
Middle CH	4.136	4.136	4.146
Highest CH	4.146	4.126	4.146



WCDMA Band V (RMC 12.2Kbps)

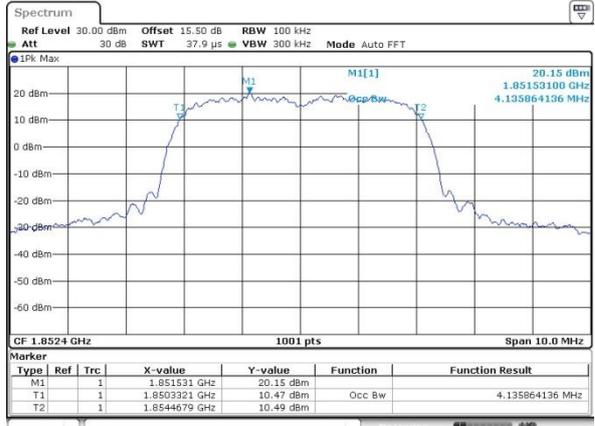
Lowest Channel



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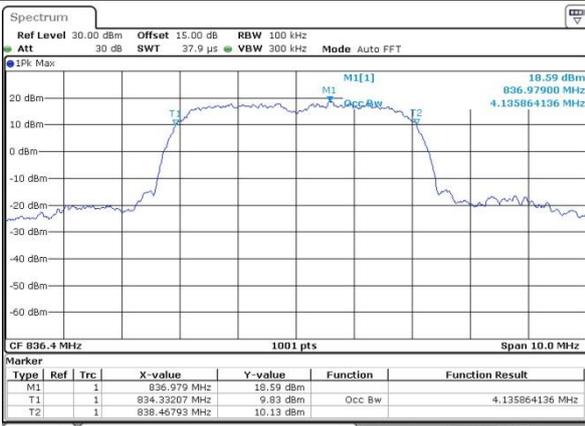
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



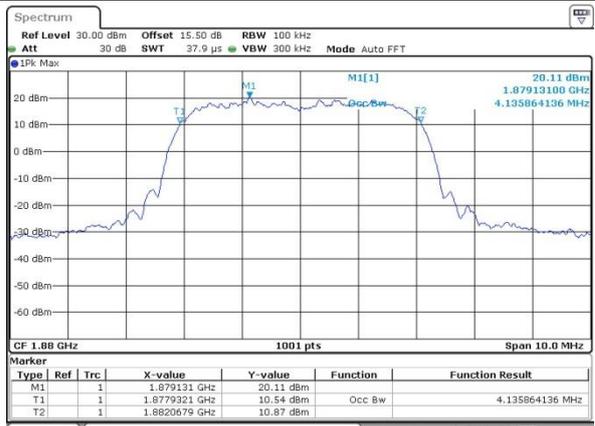
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Middle Channel



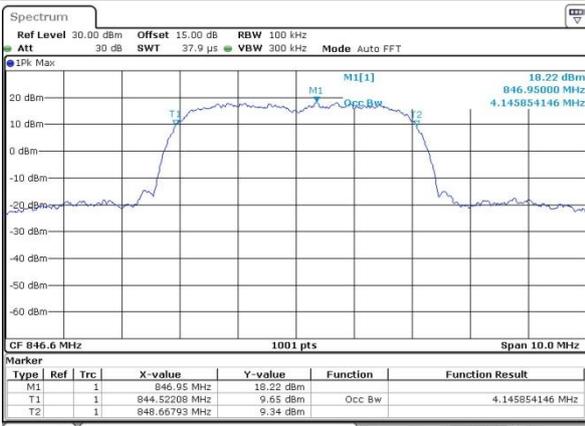
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Middle Channel



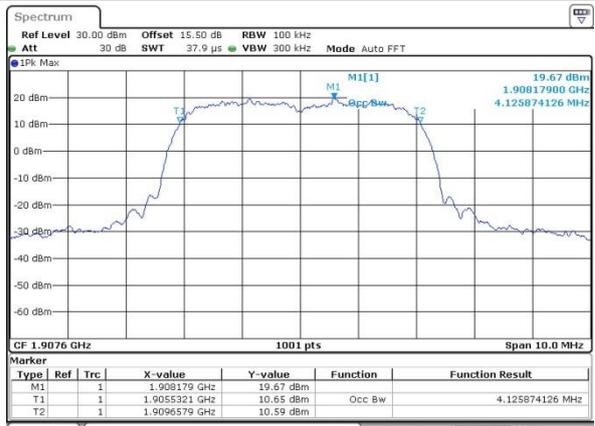
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Highest Channel

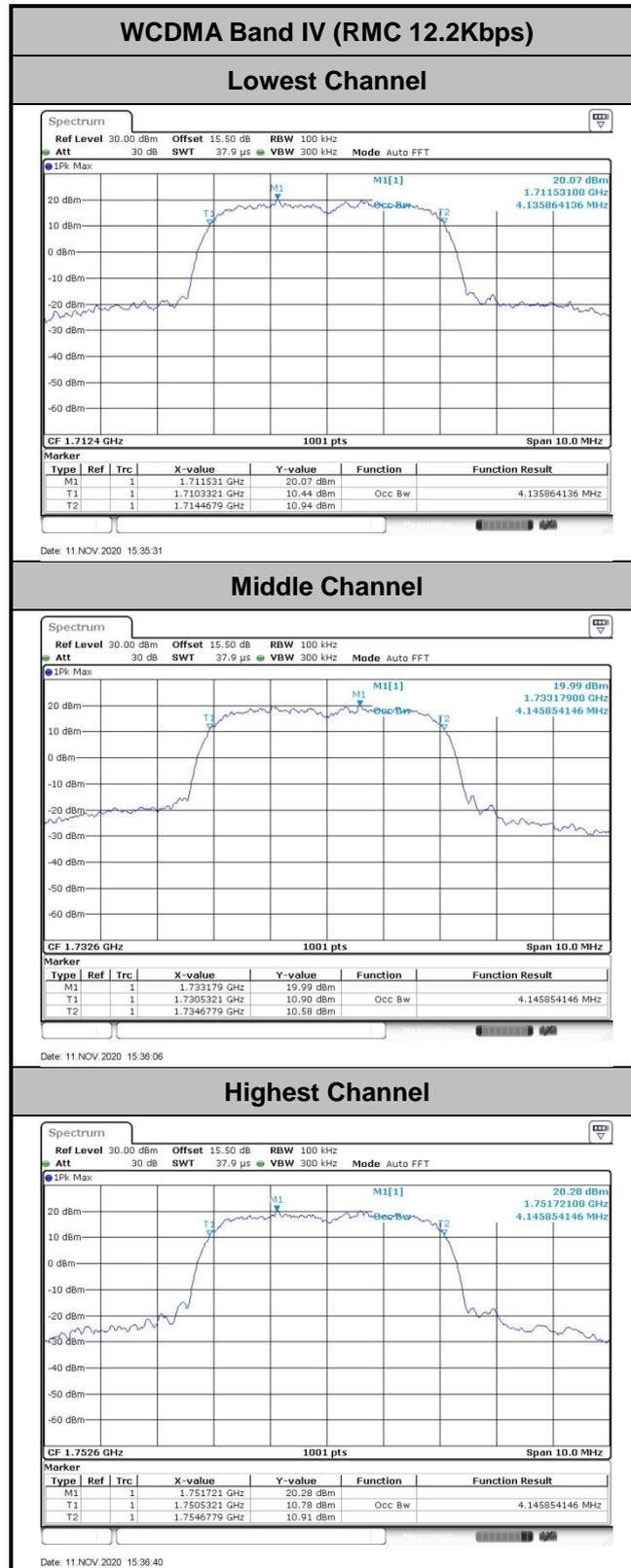


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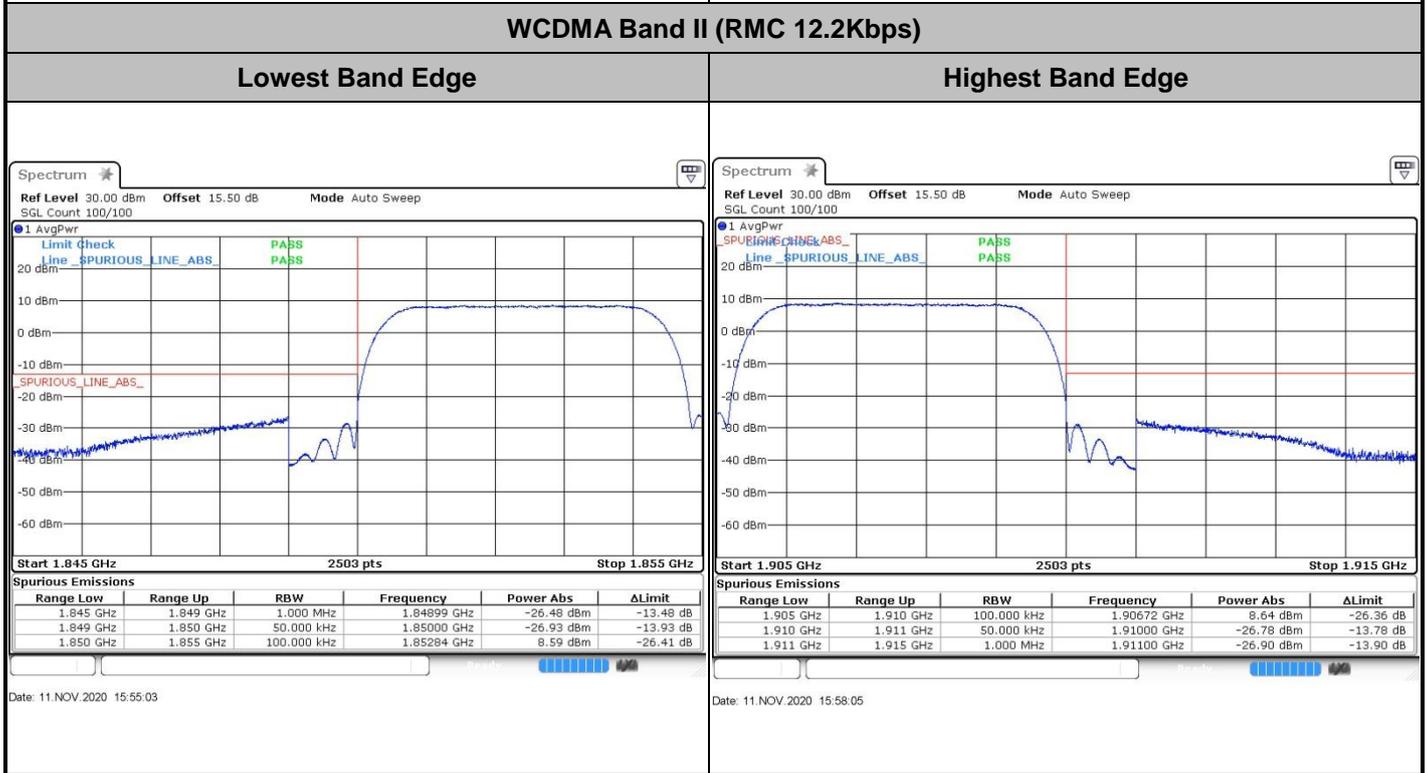
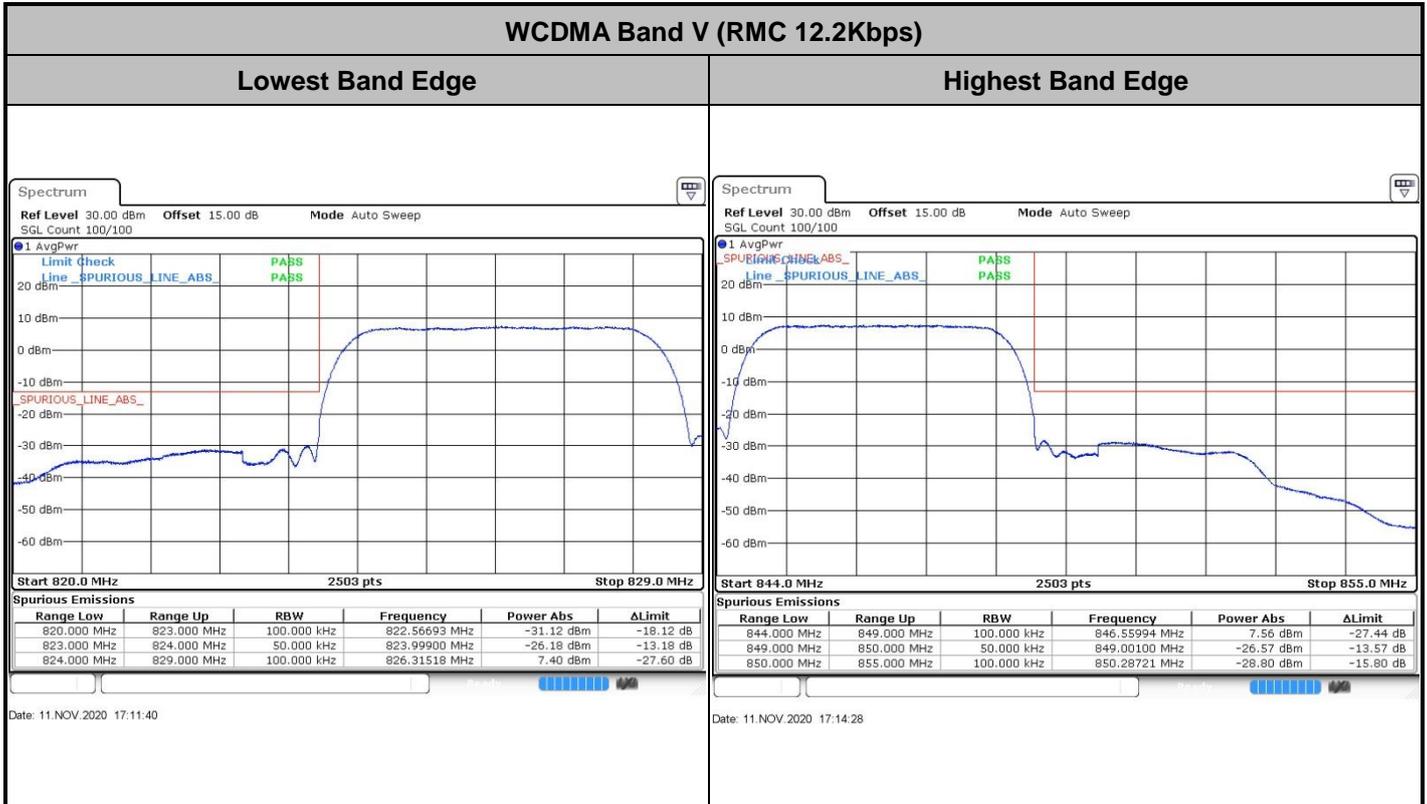


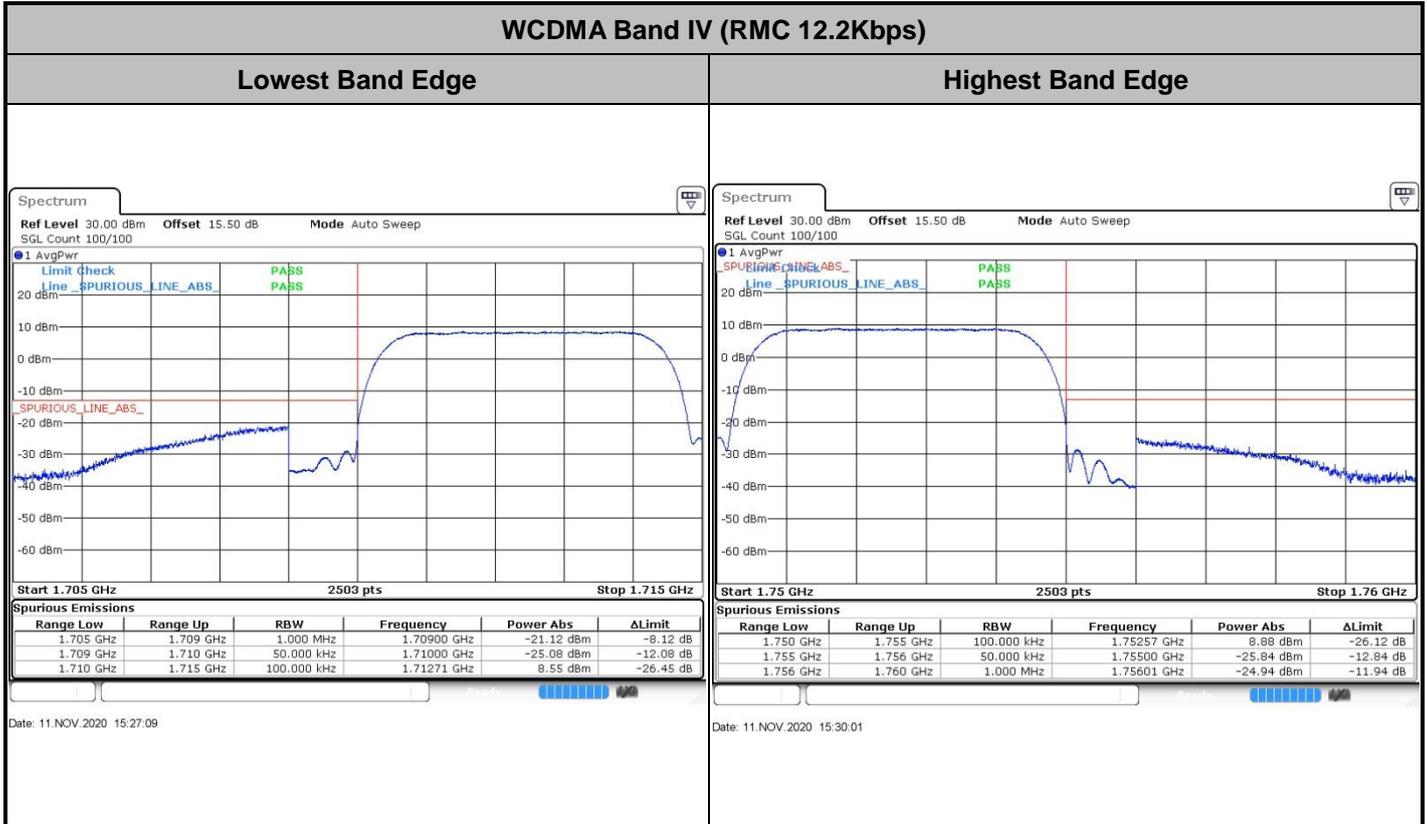
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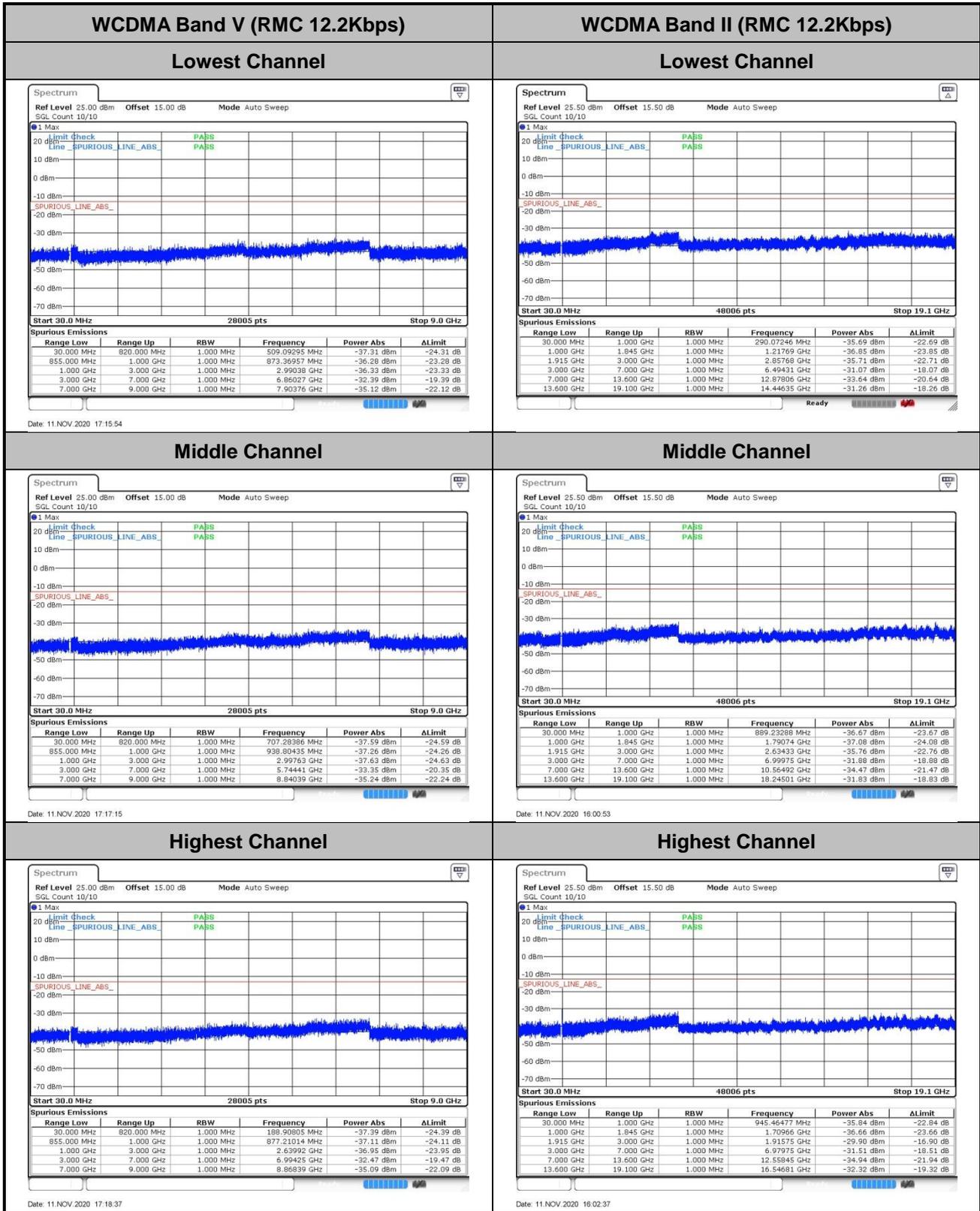
Conducted Band Edge

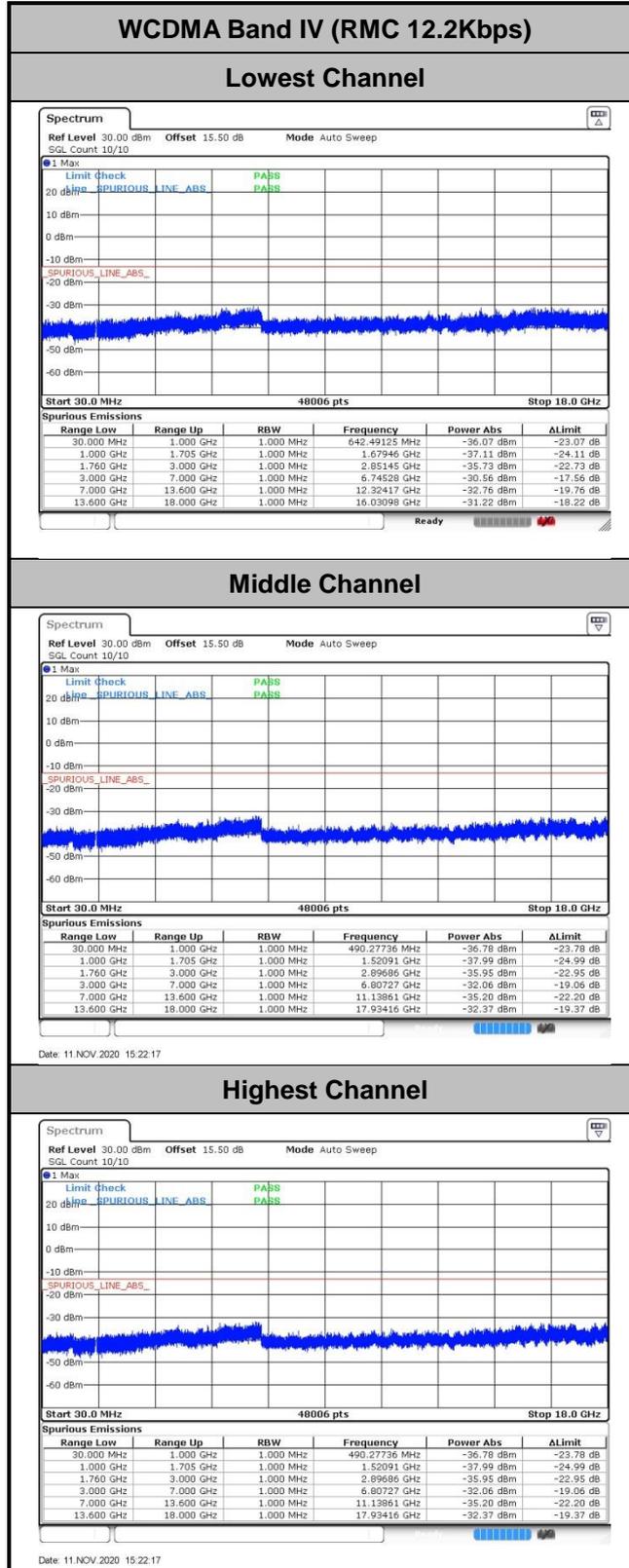






Conducted Spurious Emission







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	0.0088	PASS
40	Normal Voltage	0.0255	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0234	
20	Battery End Point	0.0263	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0122	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0174	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0032	

Note:

- 1. Normal Voltage = 3.87V ; 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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.87V. ; 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

GSM850 (GPRS 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	1674	-42.49	-13	-29.49	-49.46	1.58	10.70	H
	2510	-42.20	-13	-29.20	-50.45	2.102	12.50	H
	3348	-58.28	-13	-45.28	-67.17	2.856	13.90	H
	1672	-37.92	-13	-24.92	-44.89	1.58	10.70	V
	2510	-43.33	-13	-30.33	-51.58	2.10	12.50	V
	3348	-57.85	-13	-44.85	-66.74	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	1673	-40.88	-13	-27.88	-47.85	1.58	10.70	H
	2510	-38.28	-13	-25.28	-46.53	2.102	12.50	H
	3348	-58.40	-13	-45.40	-67.29	2.856	13.90	H
	1672	-37.80	-13	-24.80	-44.77	1.58	10.70	V
	2508	-41.60	-13	-28.60	-49.85	2.10	12.50	V
	3348	-58.66	-13	-45.66	-67.55	2.86	13.90	V

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



GSM1900 (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	3759	-42.25	-13	-29.25	-54.51	2.641	14.90	H
	5640	-51.84	-13	-38.84	-63.70	2.94	14.80	H
	7524	-50.00	-13	-37.00	-59.77	3.39	13.16	H
	3759	-32.19	-13	-19.19	-44.45	2.64	14.90	V
	5640	-52.33	-13	-39.33	-64.19	2.94	14.80	V
	7524	-49.86	-13	-36.86	-59.63	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-39.90	-13	-26.90	-52.16	2.641	14.90	H
	5640	-52.29	-13	-39.29	-64.15	2.94	14.80	H
	7524	-50.13	-13	-37.13	-59.90	3.39	13.16	H
	3759	-38.40	-13	-25.40	-50.66	2.64	14.90	V
	5640	-51.35	-13	-38.35	-63.21	2.94	14.80	V
	7524	-49.77	-13	-36.77	-59.54	3.39	13.16	V



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	-60.76	-13	-47.76	-67.73	1.58	10.70	H
	2510	-59.33	-13	-46.33	-67.58	2.102	12.50	H
	3348	-59.08	-13	-46.08	-67.97	2.856	13.90	H
	1672	-58.04	-13	-45.04	-65.01	1.58	10.70	V
	2510	-59.14	-13	-46.14	-67.39	2.10	12.50	V
	3348	-58.87	-13	-45.87	-67.76	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-53.66	-13	-40.66	-65.92	2.64	14.90	H
	5640	-52.58	-13	-39.58	-64.44	2.94	14.80	H
	7524	-50.07	-13	-37.07	-59.84	3.39	13.16	H
	3759	-49.47	-13	-36.47	-61.73	2.64	14.90	V
	5640	-52.55	-13	-39.55	-64.41	2.94	14.80	V
	7524	-50.30	-13	-37.30	-60.07	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-57.80	-13	-44.80	-68.54	2.604	13.34	H
	5199	-50.04	-13	-37.04	-60.55	3.011	13.52	H
	6936	-50.03	-13	-37.03	-60.23	3.271	13.47	H
	3465.2	-57.17	-13	-44.17	-67.91	2.604	13.34	V
	5199	-52.08	-13	-39.08	-62.59	3.011	13.52	V
	6936	-49.97	-13	-36.97	-60.17	3.271	13.47	V

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