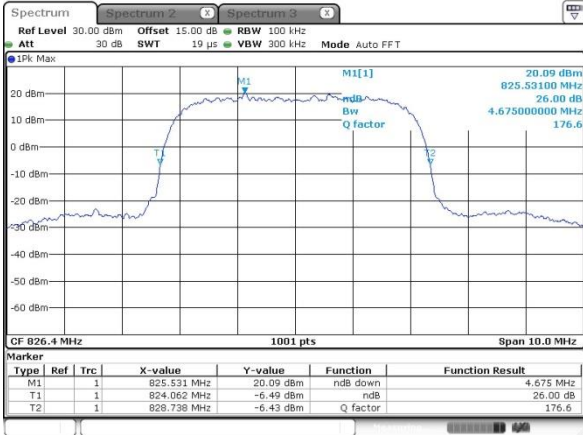




WCDMA Band V (RMC 12.2Kbps)

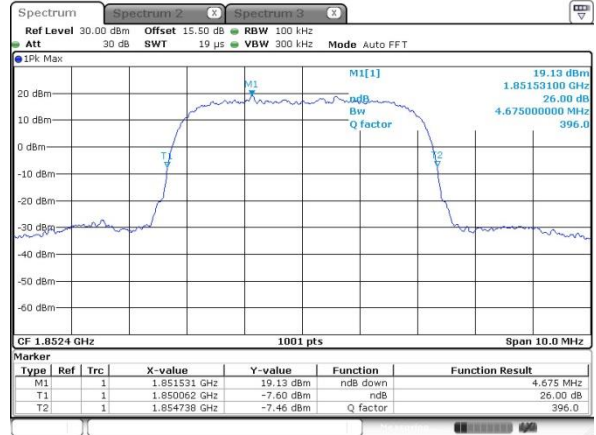
Lowest Channel



Date: 18\_DEC.2021 18:10:27

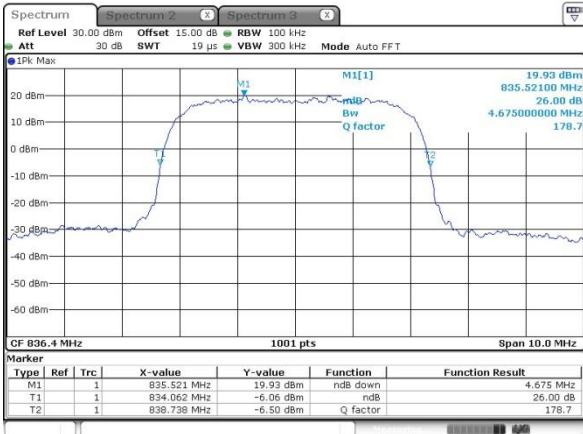
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



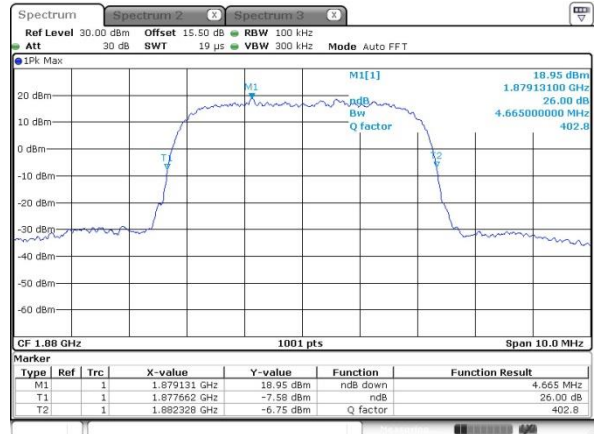
Date: 18\_DEC.2021 17:42:41

Middle Channel



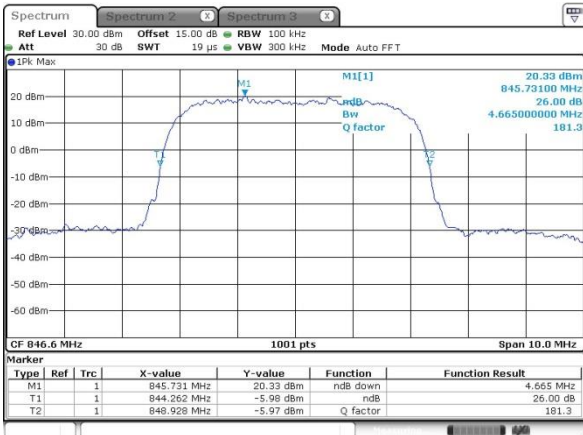
Date: 18\_DEC.2021 18:10:57

Middle Channel



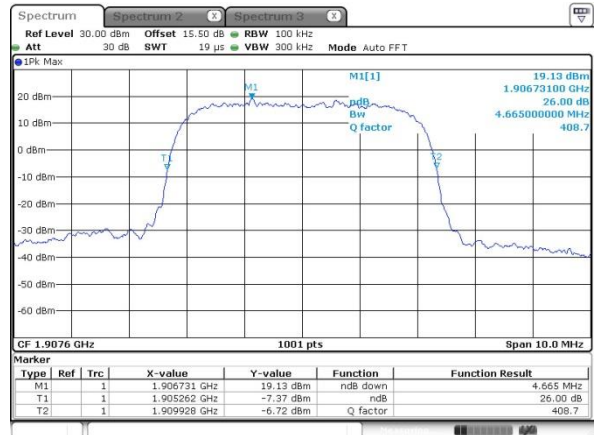
Date: 18\_DEC.2021 17:43:04

Highest Channel

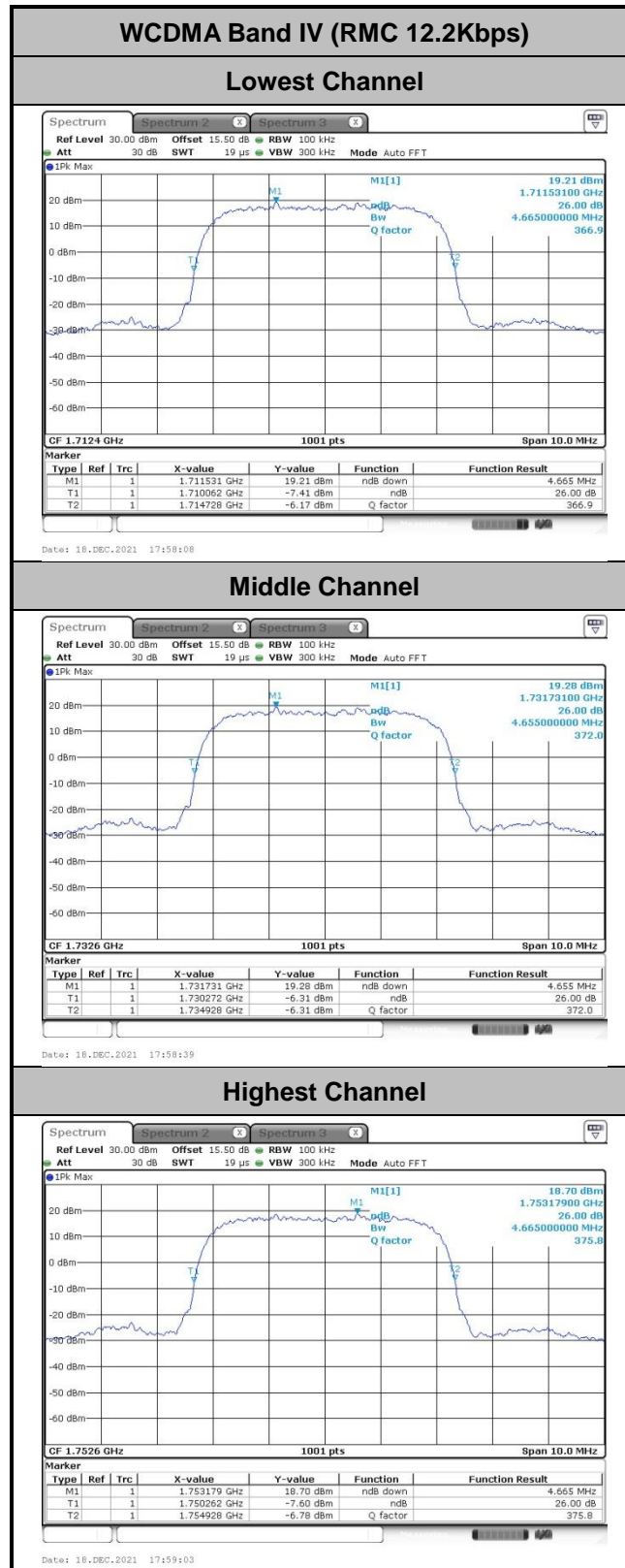


Date: 18\_DEC.2021 18:11:21

Highest Channel



Date: 18\_DEC.2021 17:43:34





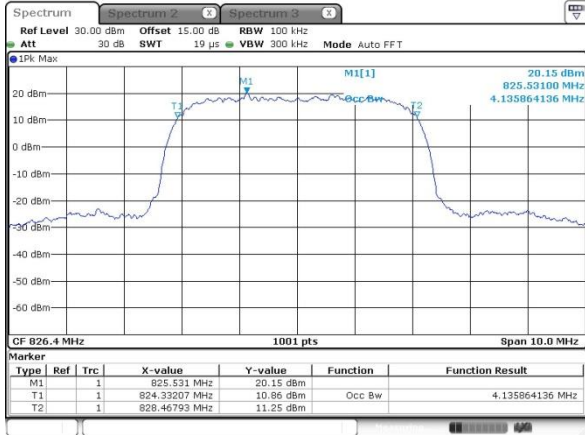
**Occupied Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.14	4.15	4.15
Middle CH	4.14	4.14	4.14
Highest CH	4.14	4.14	4.14



WCDMA Band V (RMC 12.2Kbps)

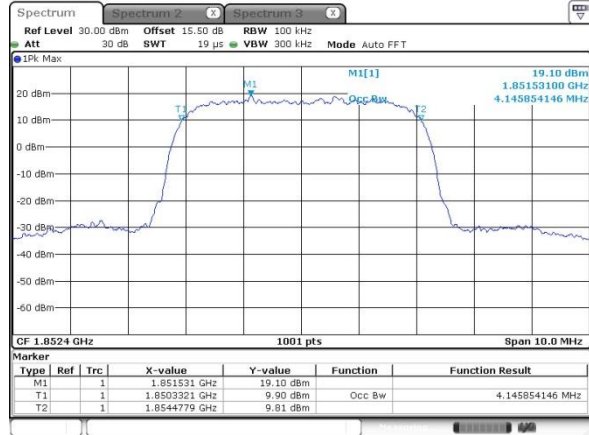
Lowest Channel



Date: 18\_DEC.2021 18:06:17

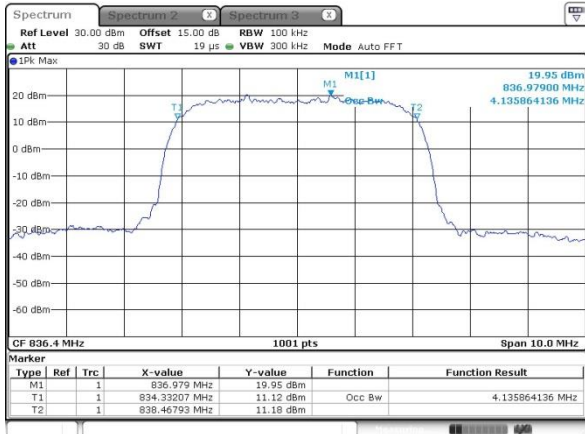
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



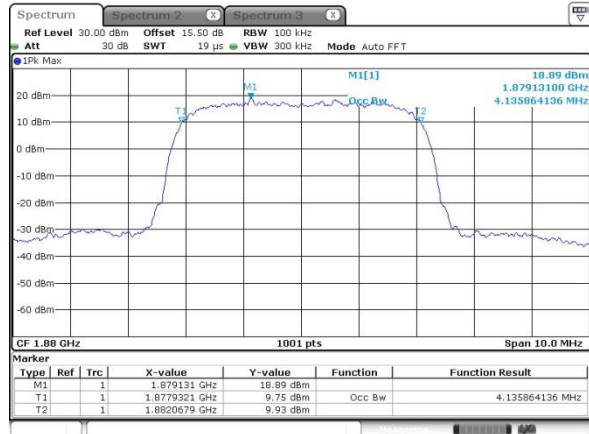
Date: 18\_DEC.2021 17:44:06

Middle Channel



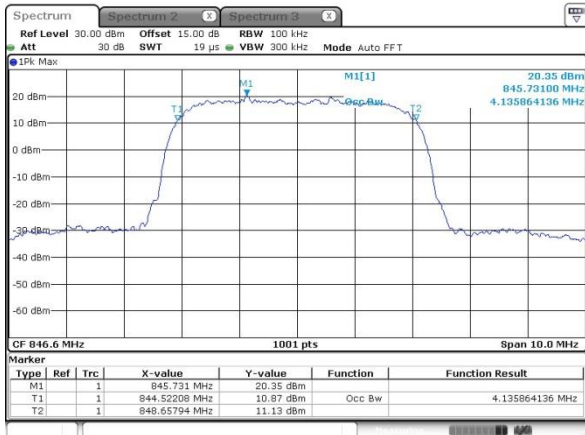
Date: 18\_DEC.2021 18:06:41

Middle Channel



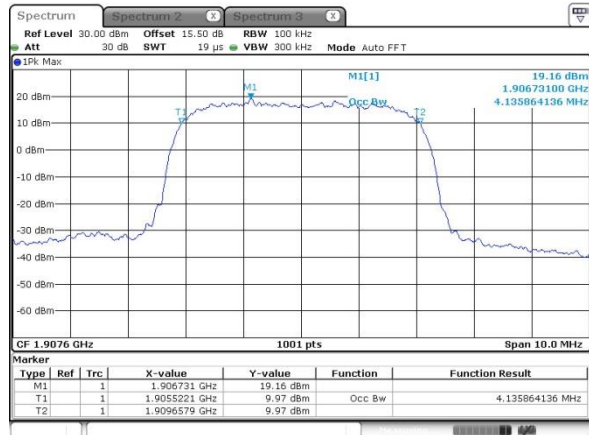
Date: 18\_DEC.2021 17:44:33

Highest Channel

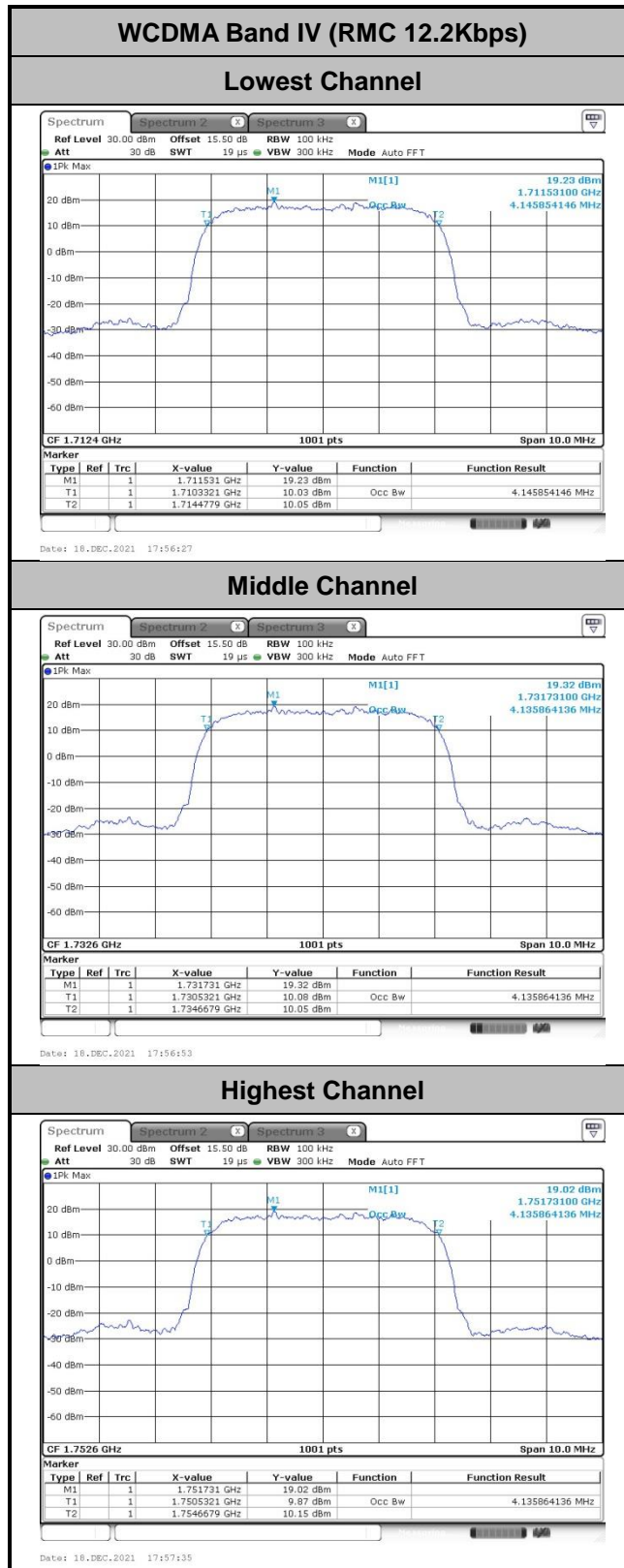


Date: 18\_DEC.2021 18:07:29

Highest Channel

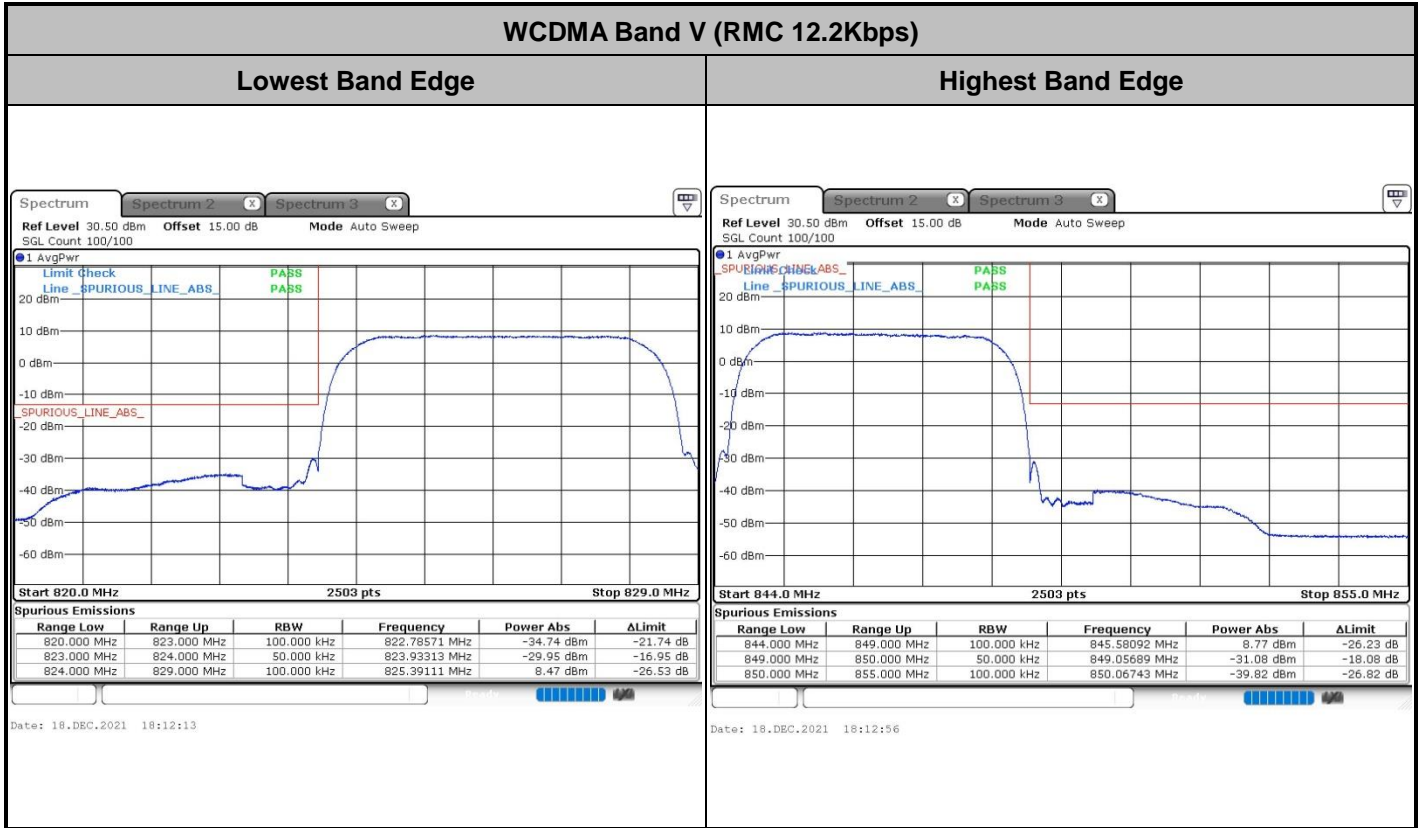


Date: 18\_DEC.2021 17:44:57





# Conducted Band Edge

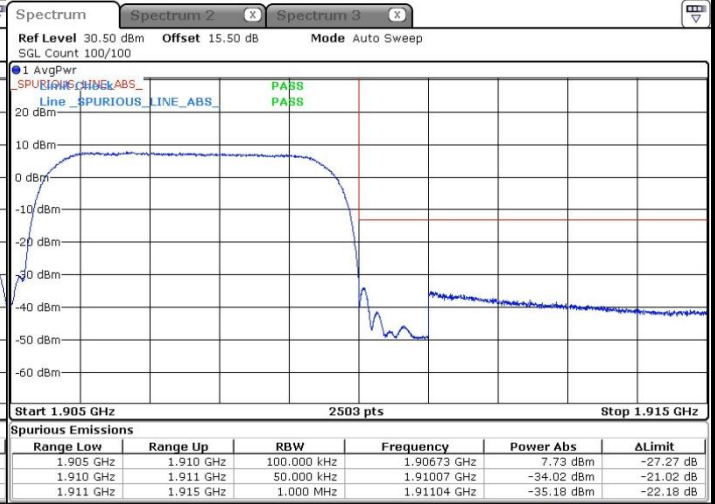




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

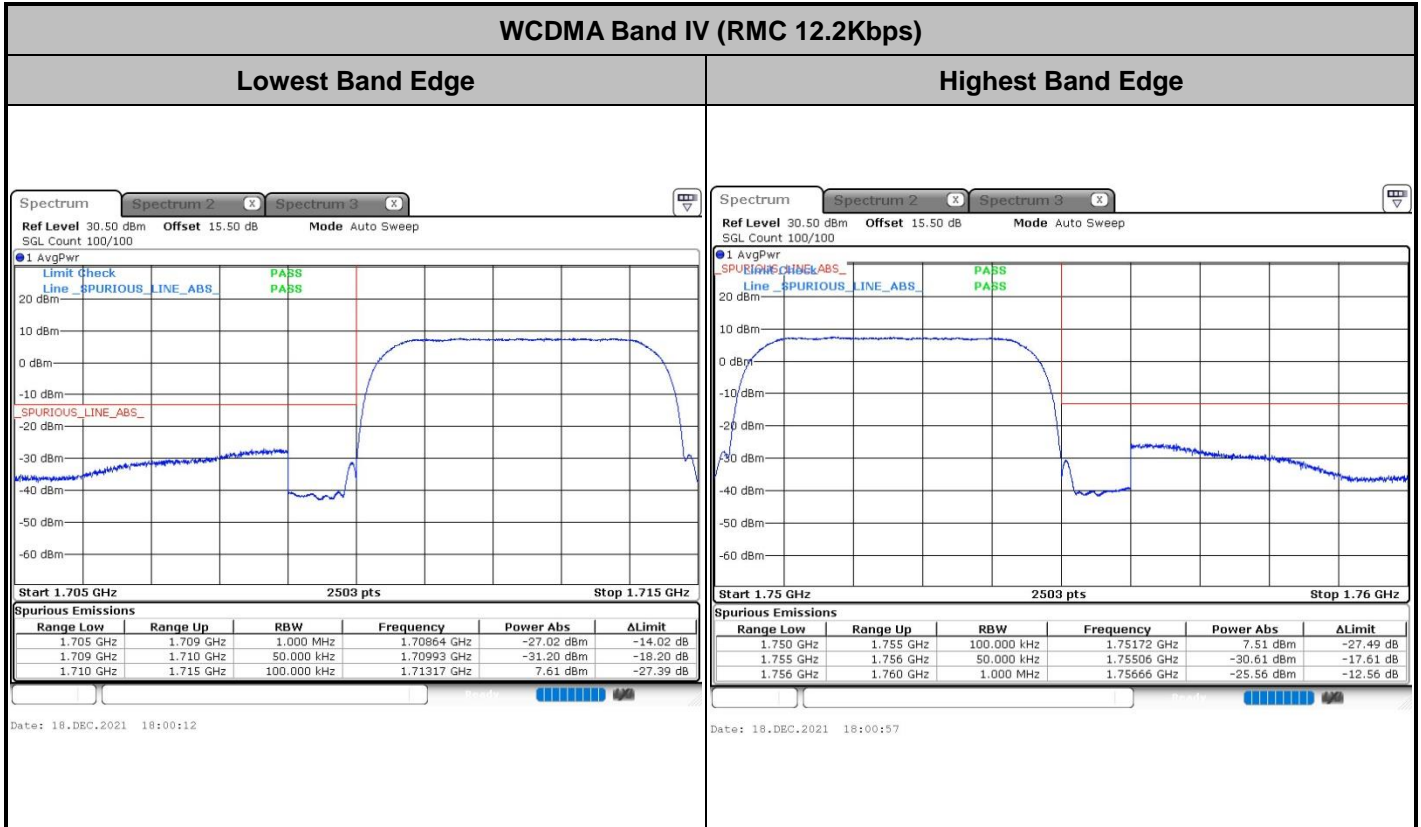
Highest Band Edge



Date: 18.DEC.2021 17:46:08

Date: 18.DEC.2021 17:46:52

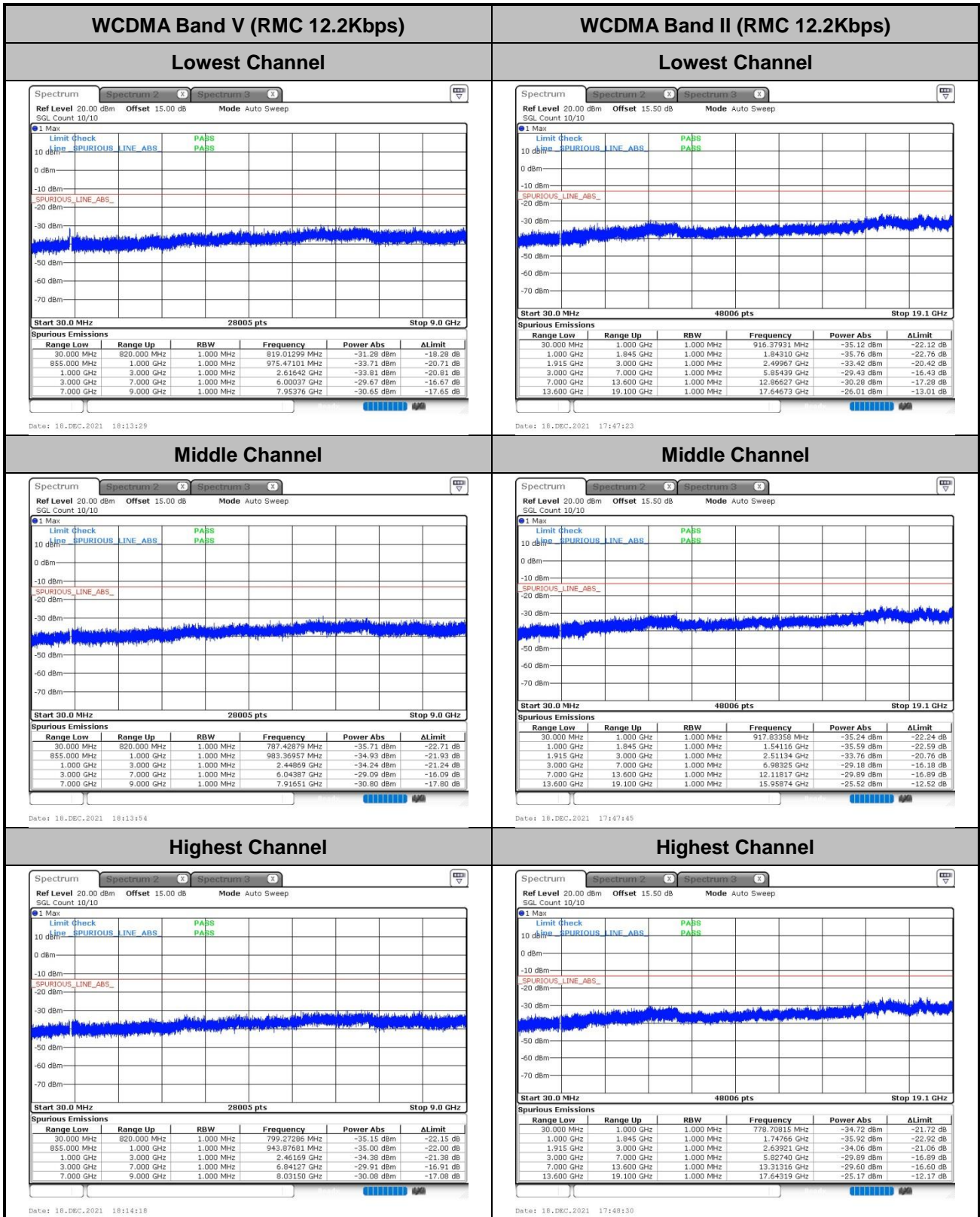


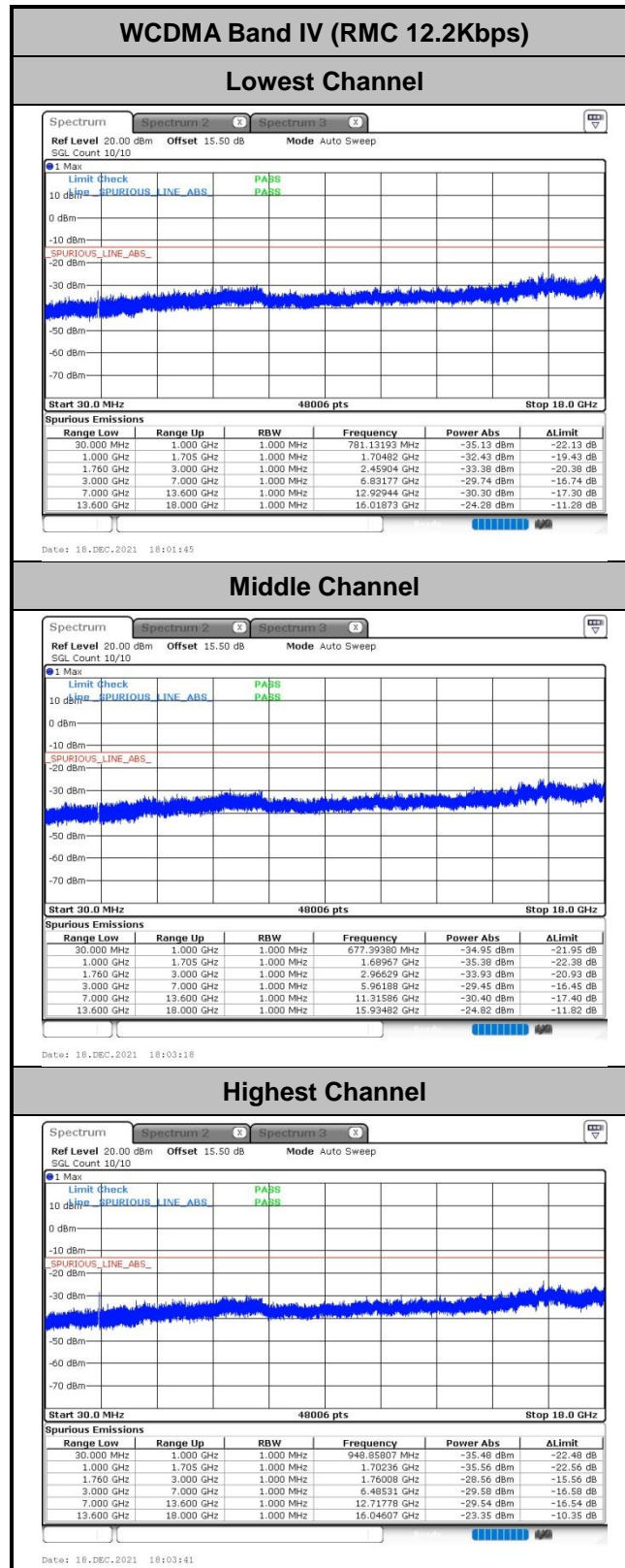






# Conducted Spurious Emission







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	0.0158	PASS
40	Normal Voltage	0.0377	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0169	
0	Normal Voltage	0.0244	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0063	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0169	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0144	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0156	
-10	Normal Voltage	0.0207	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0140	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0118	

**Note:**

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
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	-54.94	-13	-41.94	-61.91	1.58	10.70	H
	2512	-50.26	-13	-37.26	-58.51	2.102	12.50	H
	3344	-60.15	-13	-47.15	-69.04	2.856	13.90	H
	1672	-53.37	-13	-40.37	-60.34	1.58	10.70	V
	2512	-47.27	-13	-34.27	-55.52	2.10	12.50	V
	3344	-59.52	-13	-46.52	-68.41	2.86	13.90	V

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

GSM850 (EDGE class 8)								
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	-56.17	-13	-43.17	-63.14	1.58	10.70	H
	2512	-49.68	-13	-36.68	-57.93	2.102	12.50	H
	3344	-59.23	-13	-46.23	-68.12	2.856	13.90	H
	1672	-55.36	-13	-42.36	-62.33	1.58	10.70	V
	2512	-48.08	-13	-35.08	-56.33	2.10	12.50	V
	3344	-60.38	-13	-47.38	-69.27	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	3765	-56.35	-13	-43.35	-68.61	2.64	14.90	H
	5640	-49.67	-13	-36.67	-61.53	2.94	14.80	H
	7515	-53.40	-13	-40.40	-63.17	3.39	13.16	H
	3765	-53.19	-13	-40.19	-65.45	2.64	14.90	V
	5640	-43.05	-13	-30.05	-54.91	2.94	14.80	V
	7515	-53.25	-13	-40.25	-63.02	3.39	13.16	V

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

GSM1900 (EDGE class 8)								
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	-53.04	-13	-40.04	-65.30	2.64	14.90	H
	5640	-49.07	-13	-36.07	-60.93	2.94	14.80	H
	7515	-53.90	-13	-40.90	-63.67	3.39	13.16	H
	3765	-53.20	-13	-40.20	-65.46	2.64	14.90	V
	5640	-49.15	-13	-36.15	-61.01	2.94	14.80	V
	7515	-53.58	-13	-40.58	-63.35	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	-65.73	-13	-52.73	-72.70	1.58	10.70	H
	2512	-60.65	-13	-47.65	-68.90	2.102	12.50	H
	3344	-60.64	-13	-47.64	-69.53	2.856	13.90	H
	1672	-64.63	-13	-51.63	-71.60	1.58	10.70	V
	2512	-59.99	-13	-46.99	-68.24	2.10	12.50	V
	3344	-60.10	-13	-47.10	-68.99	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	-46.93	-13	-33.93	-59.19	2.64	14.90	H
	5640	-54.48	-13	-41.48	-66.34	2.94	14.80	H
	7515	-53.71	-13	-40.71	-63.48	3.39	13.16	H
	3765	-44.97	-13	-31.97	-57.23	2.64	14.90	V
	5640	-55.52	-13	-42.52	-67.38	2.94	14.80	V
	7515	-53.85	-13	-40.85	-63.62	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	-53.54	-13	-40.54	-64.28	2.604	13.34	H
	5190	-55.20	-13	-42.20	-65.71	3.011	13.52	H
	6930	-54.92	-13	-41.92	-65.12	3.271	13.47	H
	3465	-50.11	-13	-37.11	-60.85	2.604	13.34	V
	5190	-54.73	-13	-41.73	-65.24	3.011	13.52	V
	6930	-54.97	-13	-41.97	-65.17	3.271	13.47	V

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