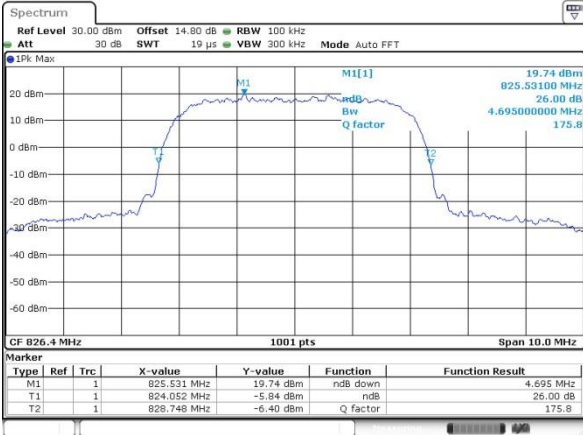




WCDMA Band V (RMC 12.2Kbps)

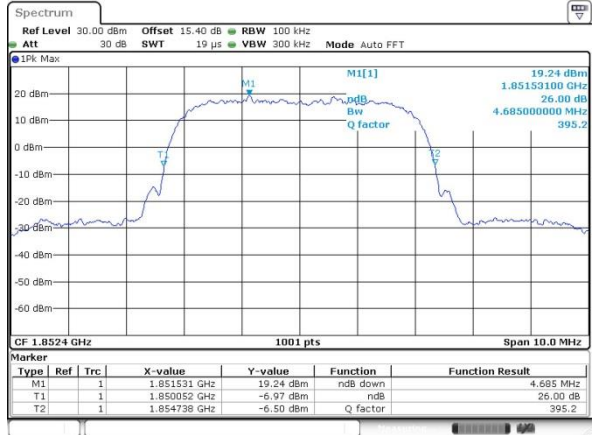
Lowest Channel



Date: 28 DEC 2021 15:06:20

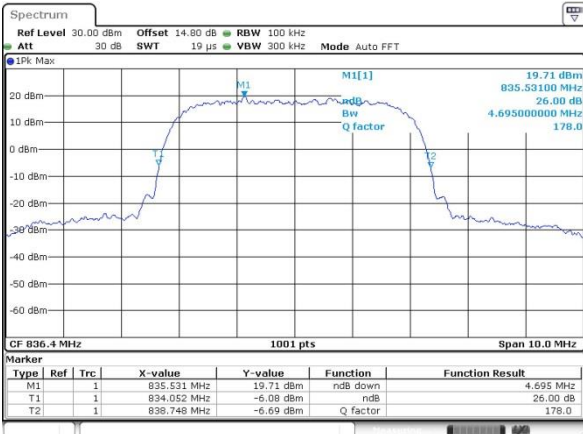
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



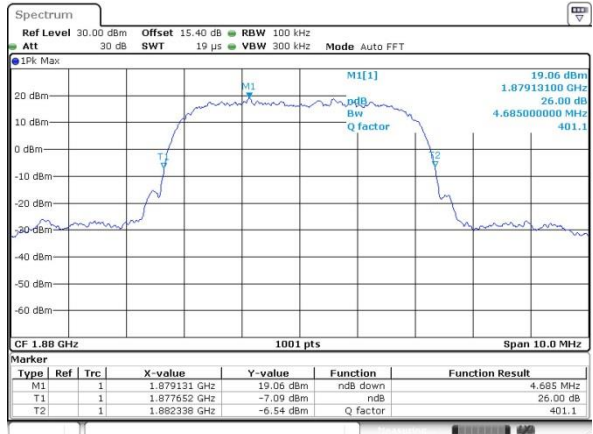
Date: 28 DEC 2021 14:40:53

Middle Channel



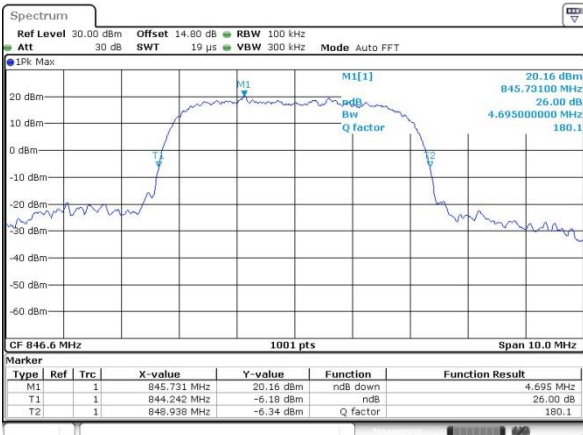
Date: 28 DEC 2021 15:08:44

Middle Channel



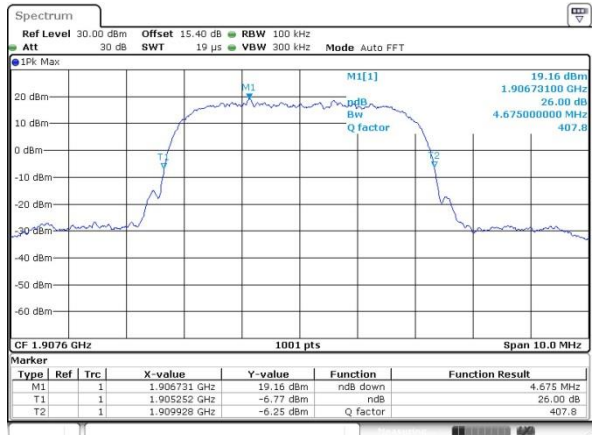
Date: 28 DEC 2021 14:41:48

Highest Channel

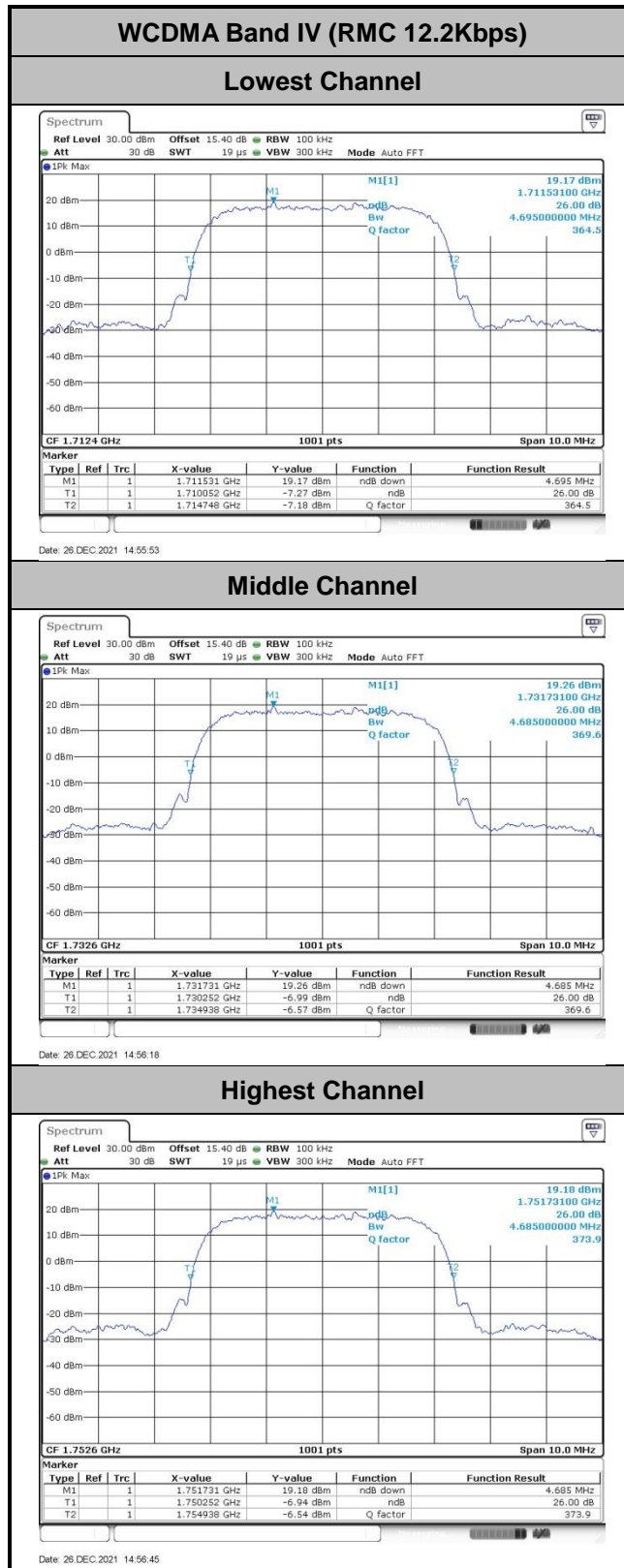


Date: 28 DEC 2021 15:07:06

Highest Channel



Date: 28 DEC 2021 14:42:10





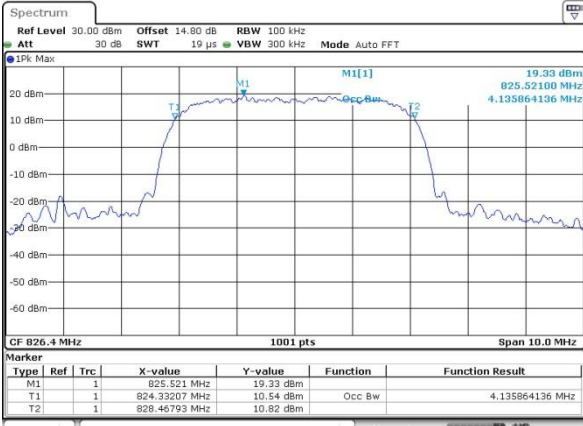
### Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.14	4.14	4.14
Middle CH	4.15	4.14	4.14
Highest CH	4.14	4.13	4.15



WCDMA Band V (RMC 12.2Kbps)

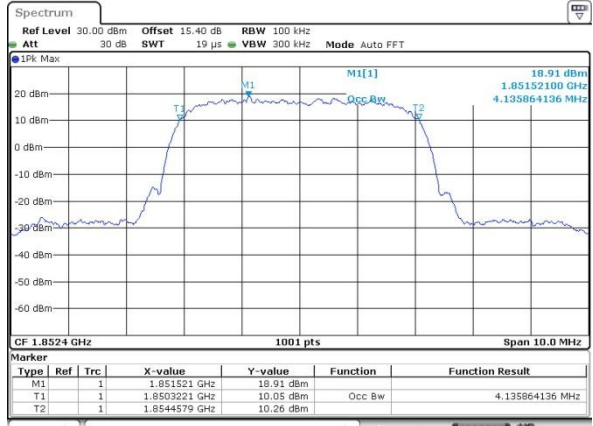
Lowest Channel



Date: 28 DEC 2021 15:07:35

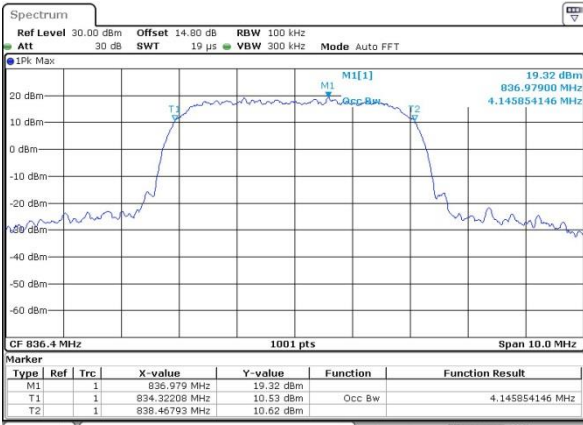
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



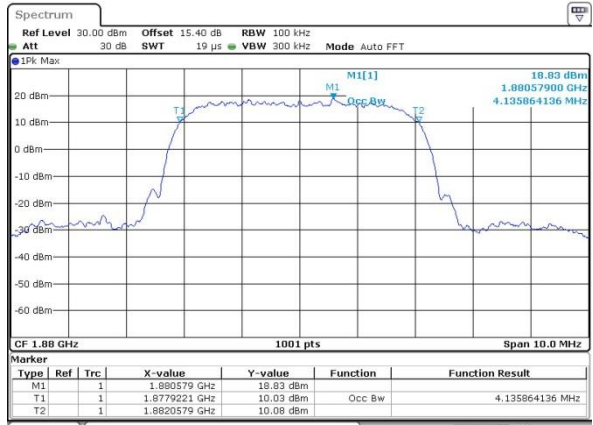
Date: 28 DEC 2021 14:42:50

Middle Channel



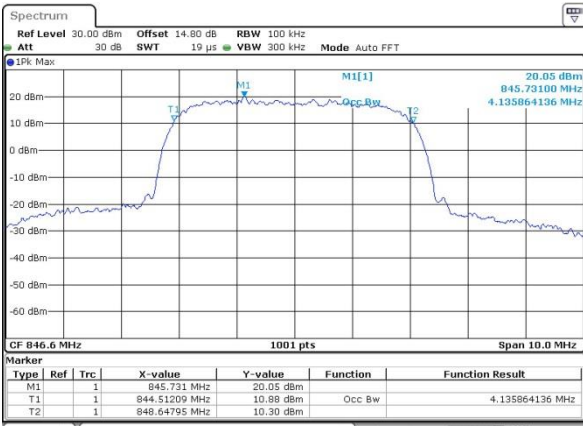
Date: 28 DEC 2021 15:07:57

Middle Channel



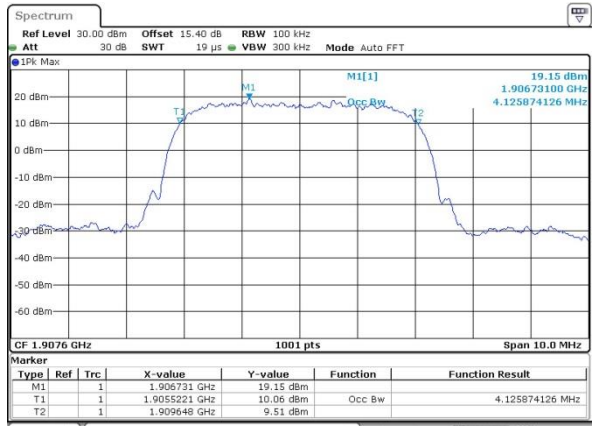
Date: 28 DEC 2021 14:43:12

Highest Channel

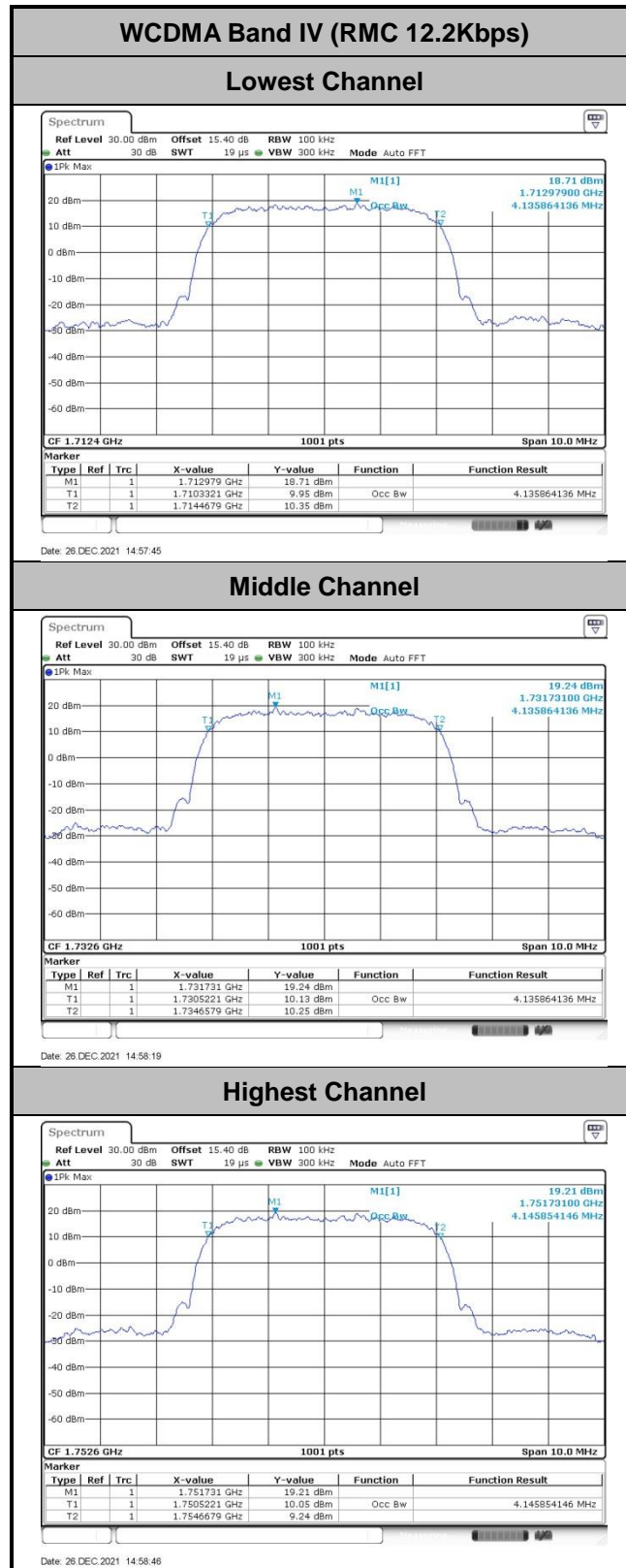


Date: 28 DEC 2021 15:08:20

Highest Channel

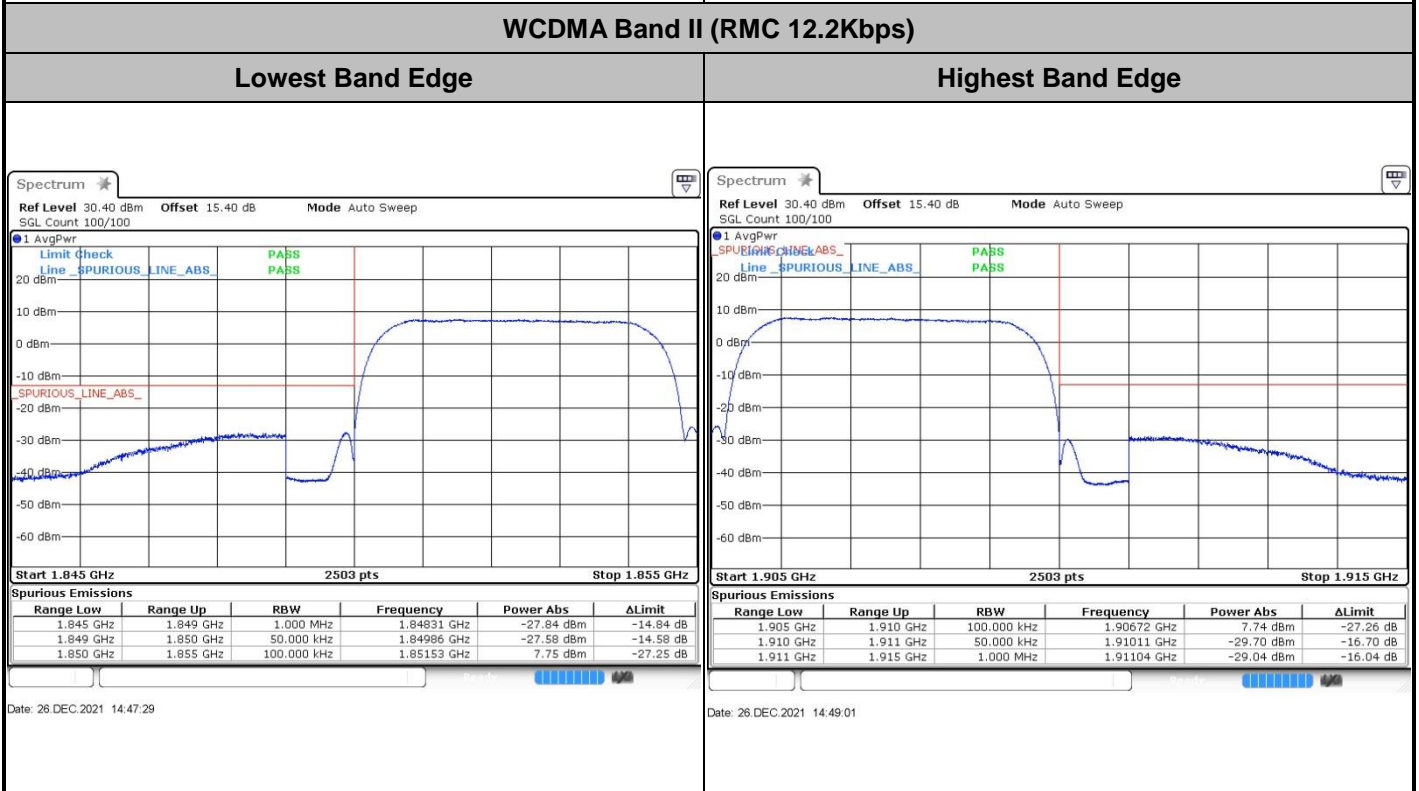
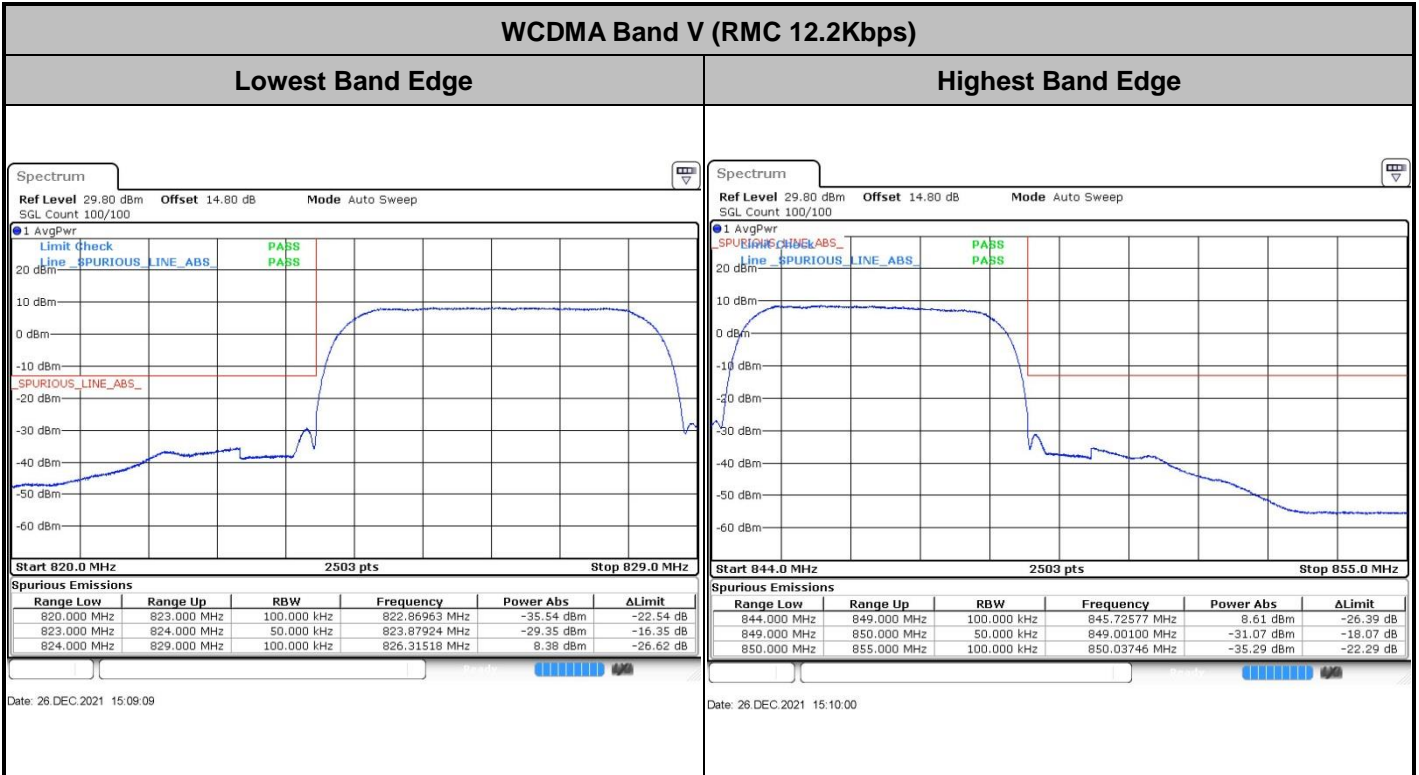


Date: 28 DEC 2021 14:43:38





# Conducted Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 26.DEC.2021 15:00:00

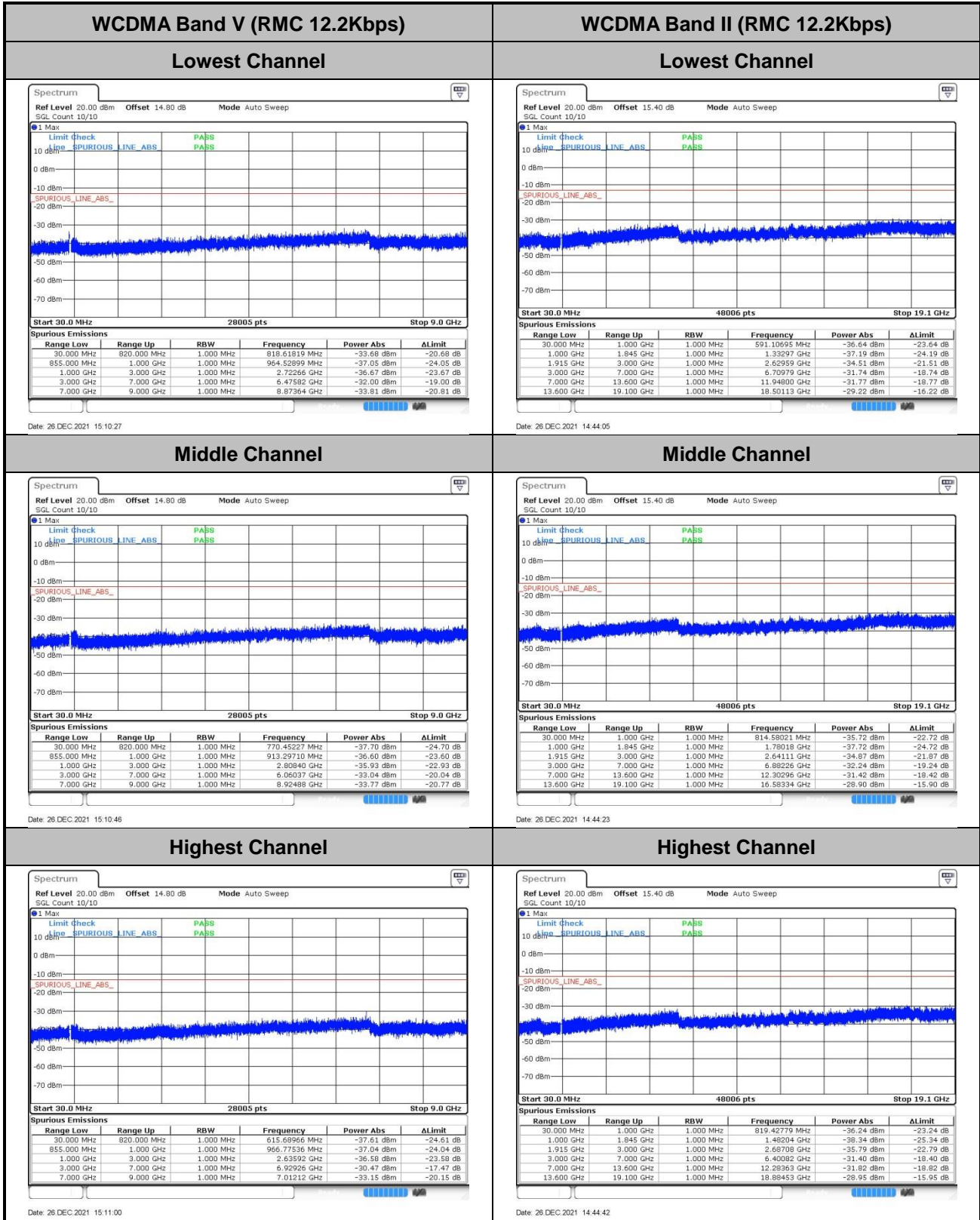


Date: 26.DEC.2021 15:00:42

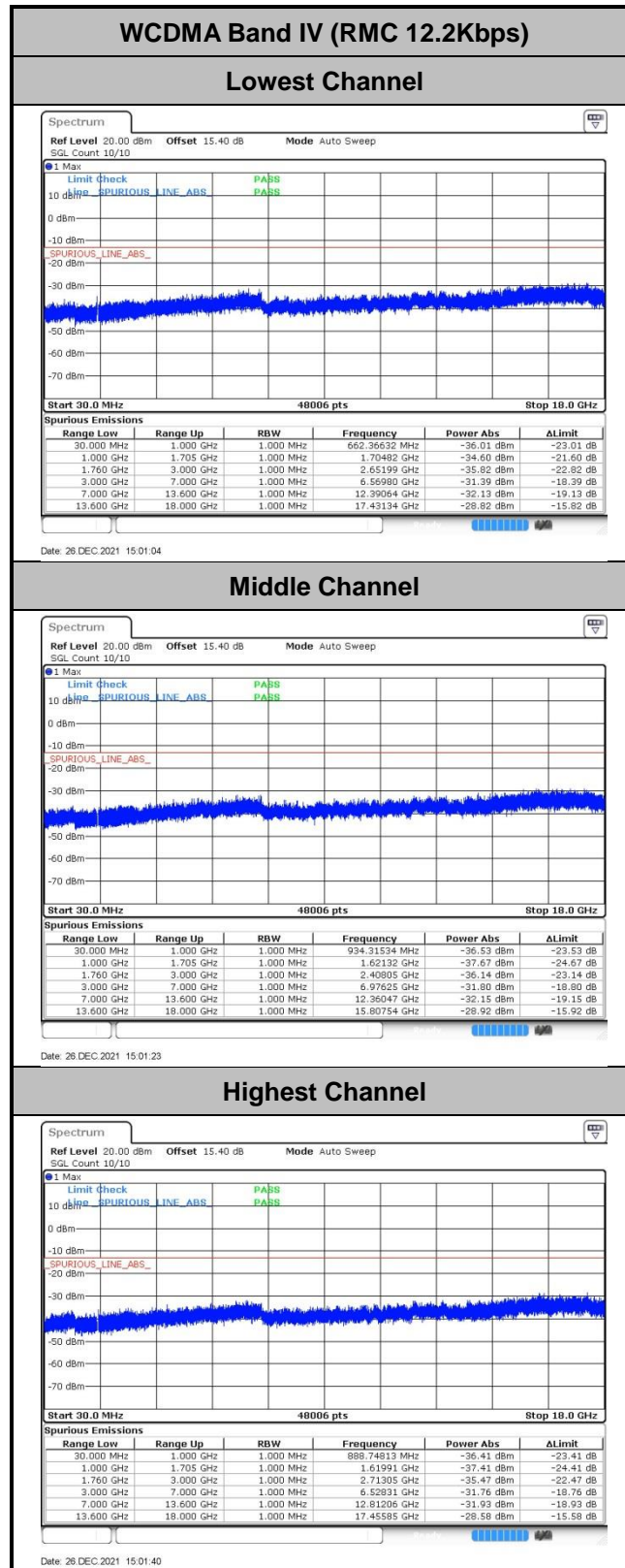




# Conducted Spurious Emission









**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	0.0058	PASS
40	Normal Voltage	0.0377	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0344	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0176	
20	Battery End Point	0.0058	

**Note:** Normal Voltage = 3.8 V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V

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	0.0136	
-10	Normal Voltage	0.0247	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0022	

**Note:**

1. Normal Voltage =3.8 V ; 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	0.0048	PASS
40	Normal Voltage	0.0146	
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	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0132	

**Note:**

1. Normal Voltage =3.8V ; 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

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	-61.72	-13	-48.72	-68.69	1.58	10.70	H
	2512	-54.18	-13	-41.18	-62.43	2.102	12.50	H
	3344	-63.76	-13	-50.76	-72.65	2.856	13.90	H
	1672	-57.08	-13	-44.08	-64.05	1.58	10.70	V
	2512	-52.33	-13	-39.33	-60.58	2.10	12.50	V
	3345.6	-64.00	-13	-51.00	-72.89	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	-60.85	-13	-47.85	-67.82	1.58	10.70	H
	2512	-57.56	-13	-44.56	-65.81	2.102	12.50	H
	3344	-58.90	-13	-45.90	-67.79	2.856	13.90	H
	1672	-60.53	-13	-47.53	-67.50	1.58	10.70	V
	2512	-51.78	-13	-38.78	-60.03	2.10	12.50	V
	3344	-59.01	-13	-46.01	-67.90	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	-53.70	-13	-40.70	-65.96	2.64	14.90	H
	5640	-47.72	-13	-34.72	-59.58	2.94	14.80	H
	7520	-57.54	-13	-44.54	-67.31	3.39	13.16	H
	9405	-48.82	-13	-35.82	-59.30	4.00	14.48	H
	11280	-53.78	-13	-40.78	-63.29	4.23	13.74	H
	13155	-47.72	-13	-34.72	-57.56	4.49	14.32	H
	3765	-49.91	-13	-36.91	-62.17	2.64	14.90	V
	5640	-53.19	-13	-40.19	-65.05	2.94	14.80	V
	7515	-57.50	-13	-44.50	-67.27	3.39	13.16	V
	9405	-51.67	-13	-38.67	-62.15	4.00	14.48	V
	11280	-53.14	-13	-40.14	-62.65	4.23	13.74	V
	13155	-46.70	-13	-33.70	-56.54	4.49	14.32	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	-51.72	-13	-38.72	-63.98	2.64	14.90	H
	5640	-52.90	-13	-39.90	-64.76	2.94	14.80	H
	7515	-50.92	-13	-37.92	-60.69	3.39	13.16	H
	3765	-52.17	-13	-39.17	-64.43	2.64	14.90	V
	5640	-54.32	-13	-41.32	-66.18	2.94	14.80	V
	7515	-50.94	-13	-37.94	-60.71	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	1672.8	-68.76	-13	-55.76	-75.73	1.58	10.70	H
	2510	-63.38	-13	-50.38	-71.63	2.102	12.50	H
	3344	-64.04	-13	-51.04	-72.93	2.856	13.90	H
	1672	-68.10	-13	-55.10	-75.07	1.58	10.70	V
	2510	-62.69	-13	-49.69	-70.94	2.10	12.50	V
	3345.6	-63.30	-13	-50.30	-72.19	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	-61.07	-13	-48.07	-73.33	2.64	14.90	H
	5640	-60.59	-13	-47.59	-72.45	2.94	14.80	H
	7520	-57.36	-13	-44.36	-67.13	3.39	13.16	H
	3760	-60.87	-13	-47.87	-73.13	2.64	14.90	V
	5640	-60.25	-13	-47.25	-72.11	2.94	14.80	V
	7515	-57.62	-13	-44.62	-67.39	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	-62.40	-13	-49.40	-73.14	2.604	13.34	H
	5197.8	-60.28	-13	-47.28	-70.79	3.011	13.52	H
	6930.4	-58.85	-13	-45.85	-69.05	3.271	13.47	H
	3465.2	-62.15	-13	-49.15	-72.89	2.604	13.34	V
	5197.8	-61.03	-13	-48.03	-71.54	3.011	13.52	V
	6930	-58.10	-13	-45.10	-68.30	3.271	13.47	V

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