



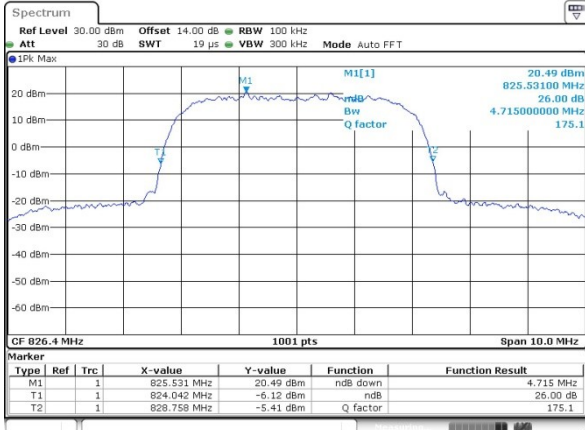
**26dB Bandwidth**

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	4.72	4.70	4.73
Middle CH	4.70	4.70	4.70
Highest CH	4.68	4.69	4.70



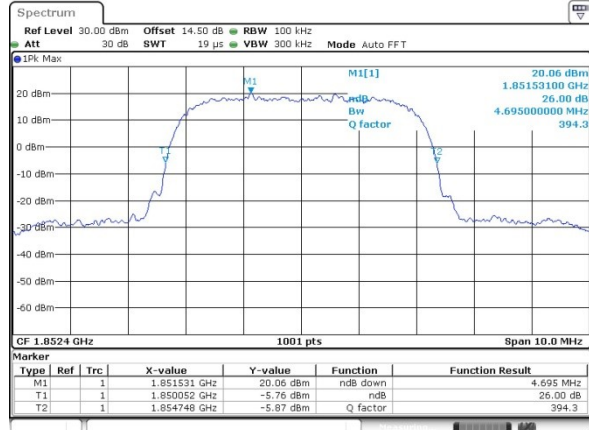
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

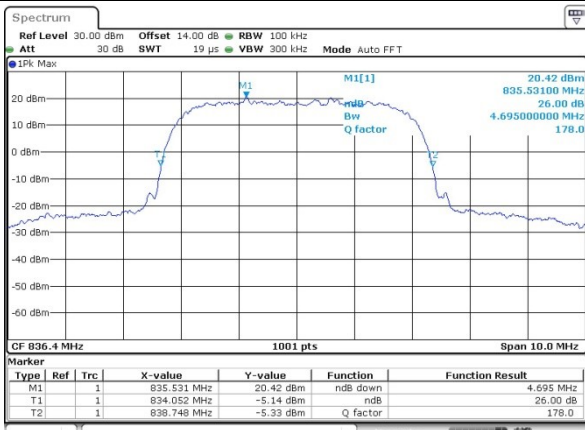


WCDMA Band II (RMC 12.2Kbps)

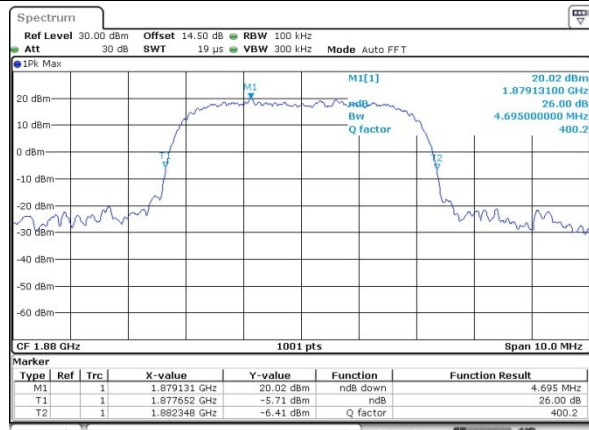
Lowest Channel



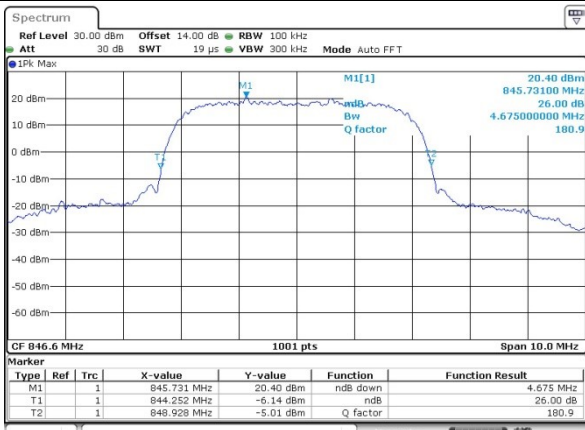
Middle Channel



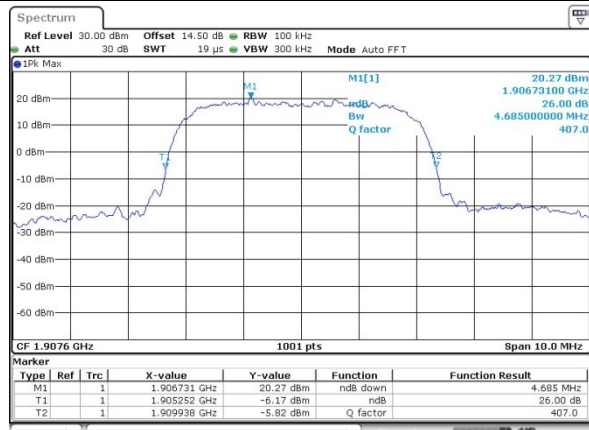
Middle Channel

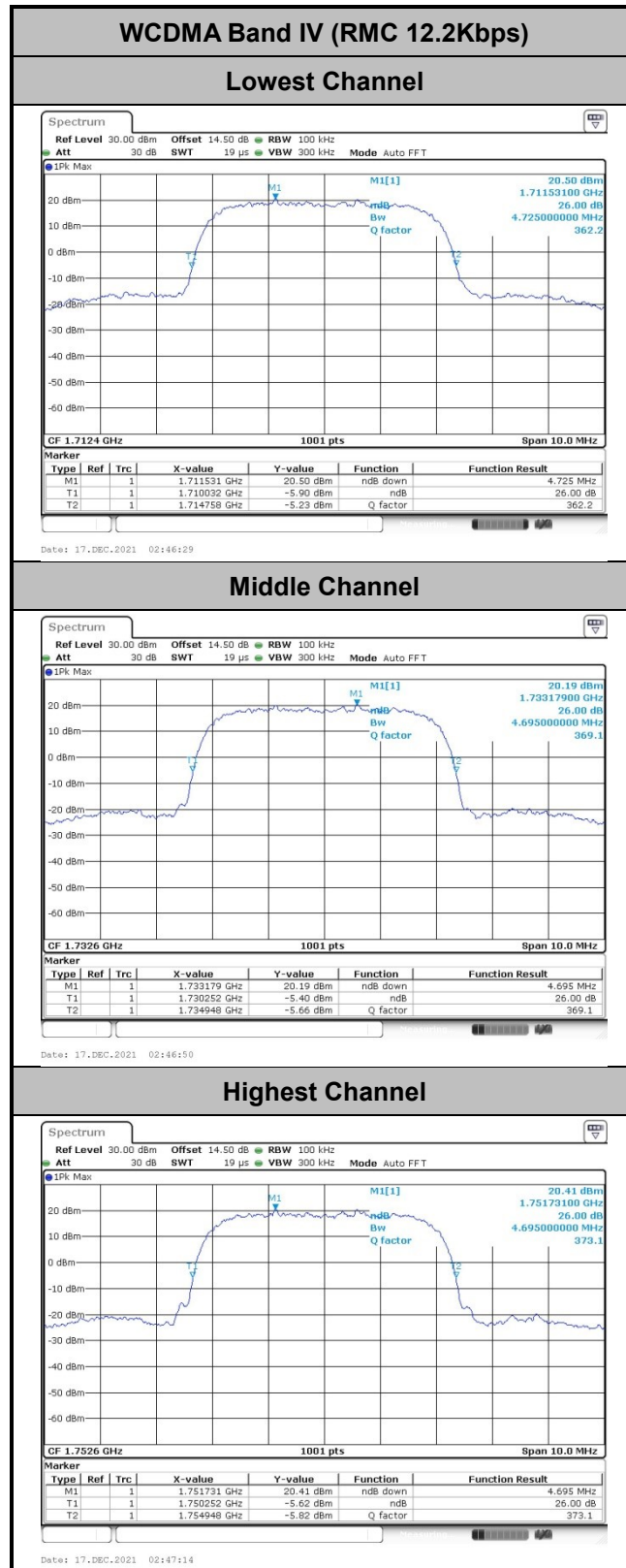


Highest Channel



Highest Channel







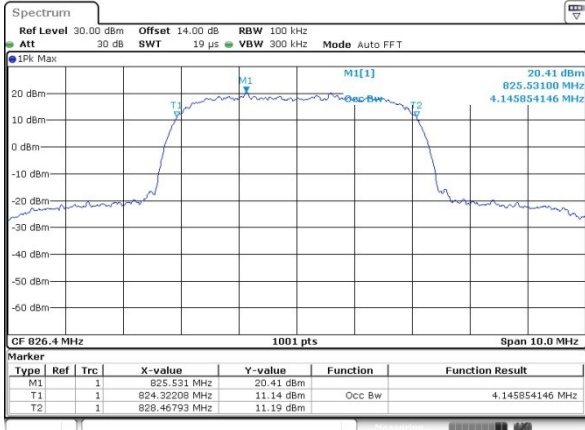
**Occupied Bandwidth**

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	4.15	4.14	4.16
Middle CH	4.14	4.15	4.14
Highest CH	4.14	4.13	4.14



WCDMA Band V (RMC 12.2Kbps)

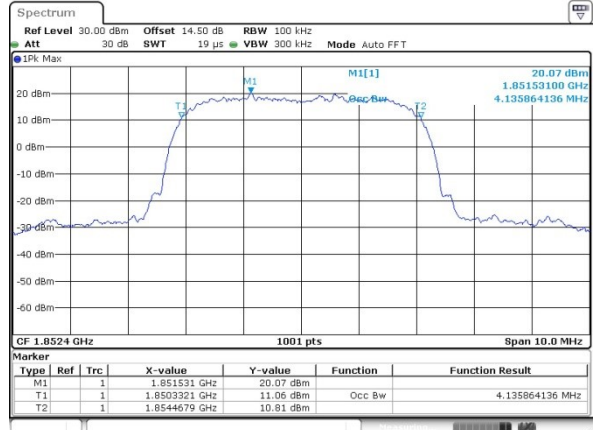
Lowest Channel



Date: 17\_DEC.2021 04:13:32

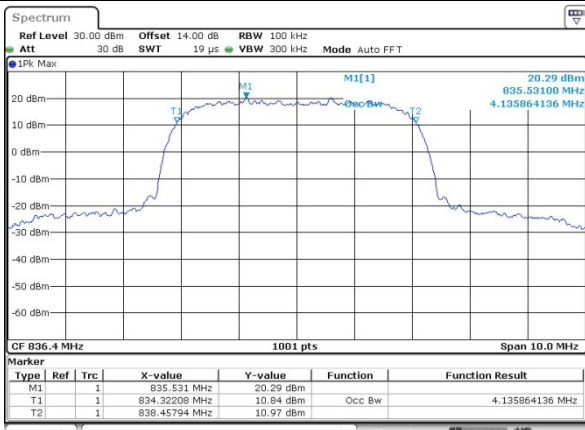
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



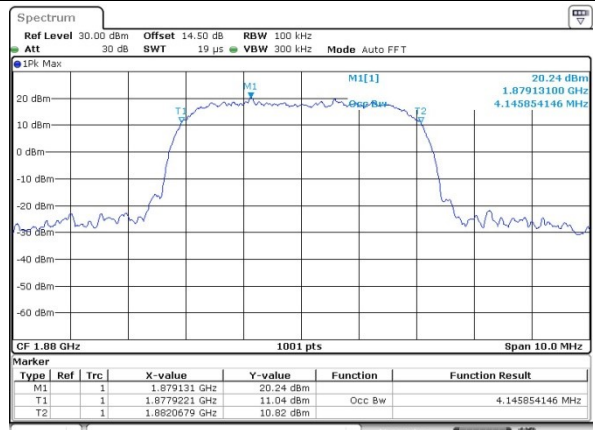
Date: 17\_DEC.2021 02:41:14

Middle Channel



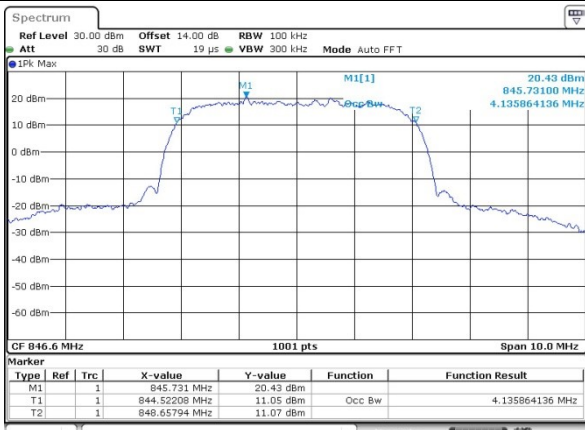
Date: 17\_DEC.2021 04:13:54

Middle Channel



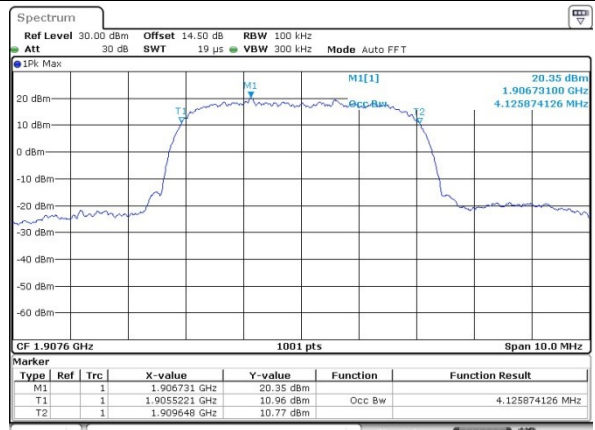
Date: 17\_DEC.2021 02:41:33

Highest Channel

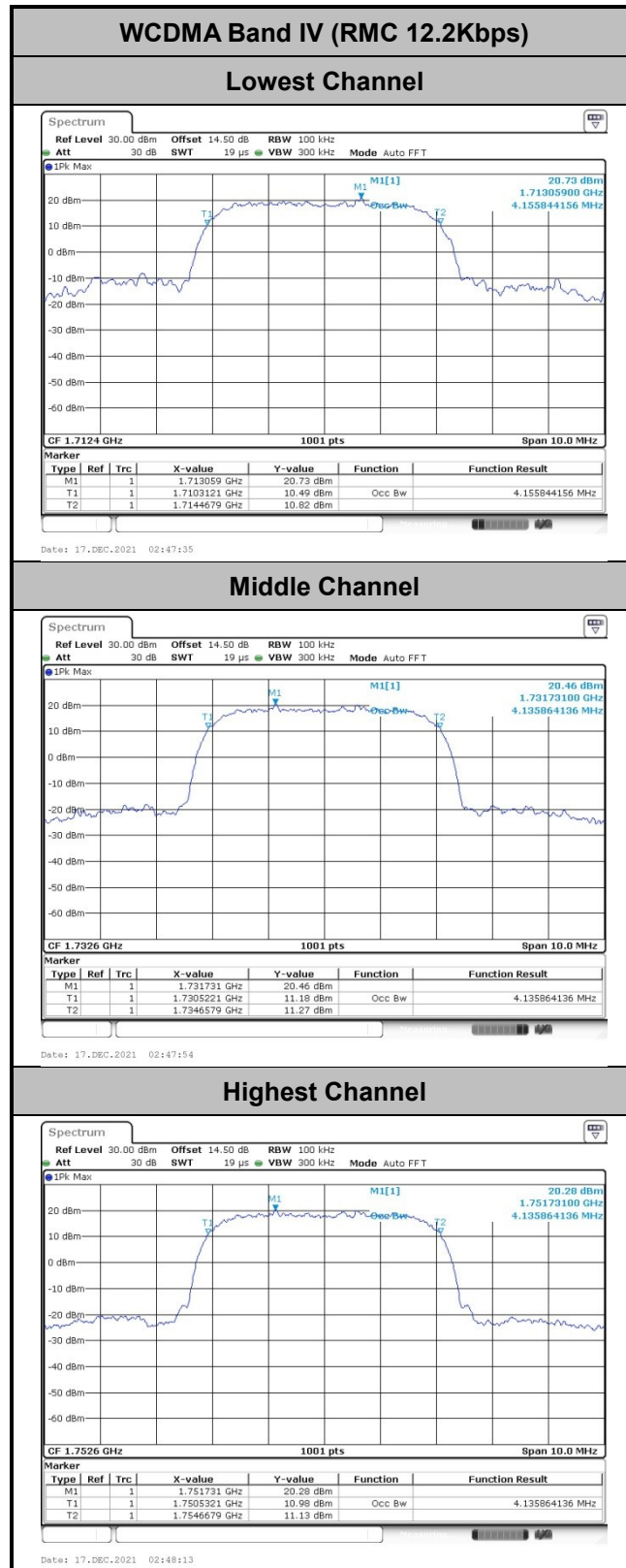


Date: 17\_DEC.2021 04:14:16

Highest Channel



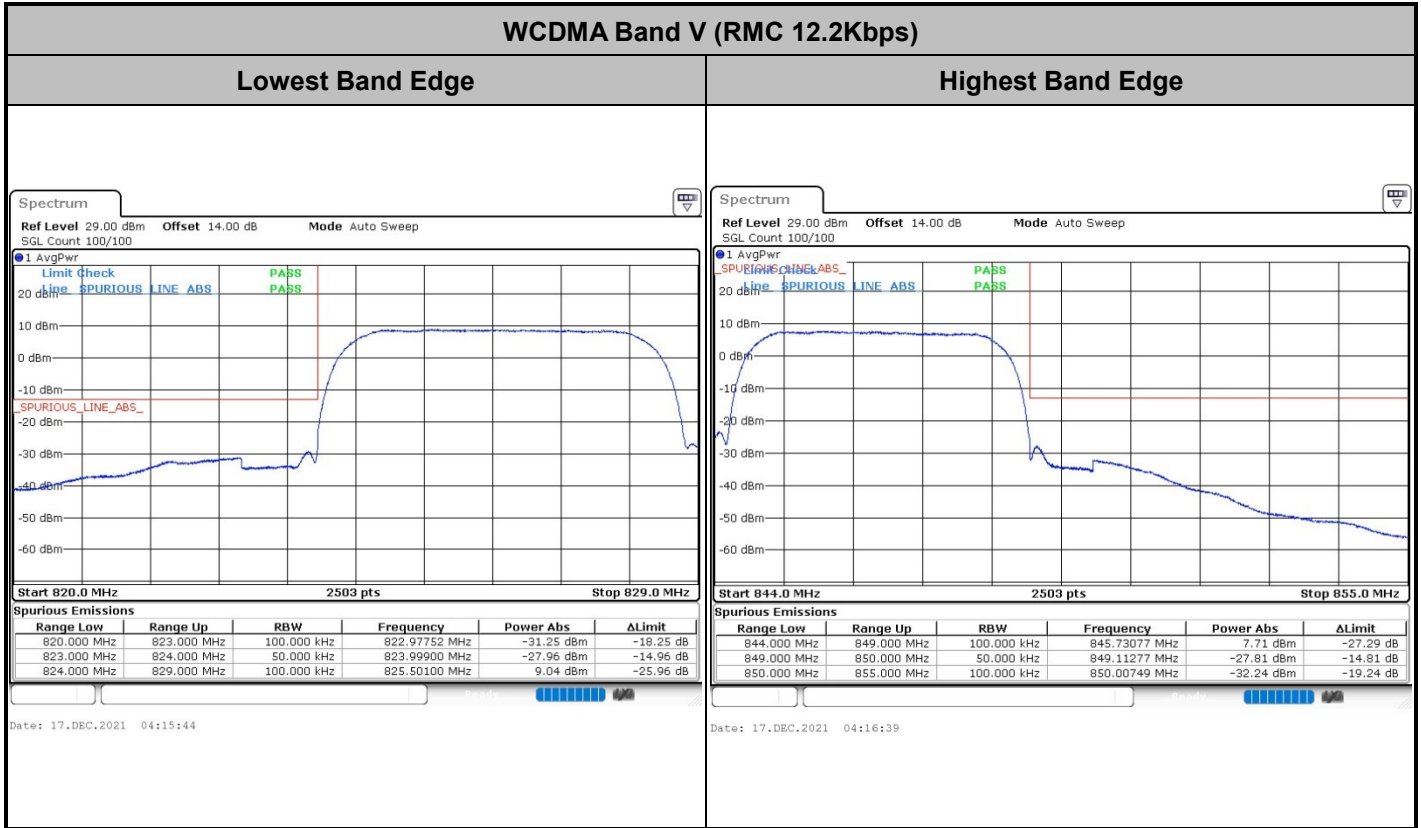
Date: 17\_DEC.2021 02:41:51







# Conducted Band Edge

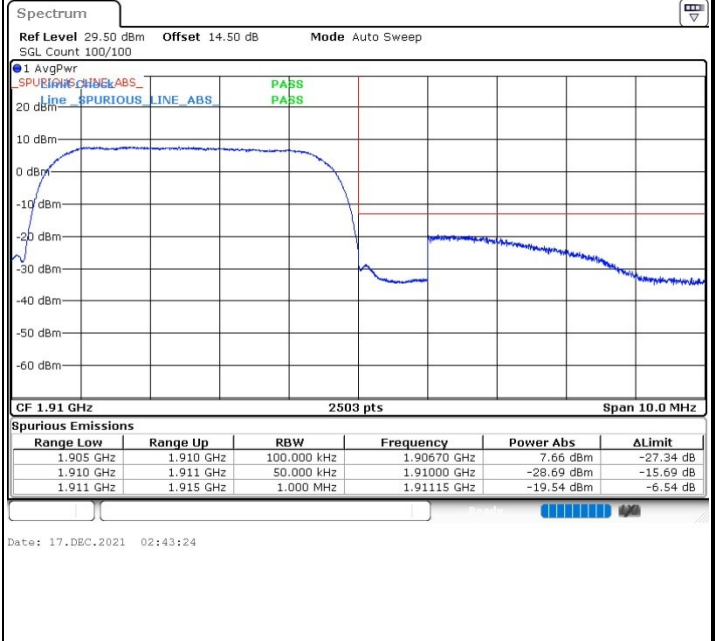
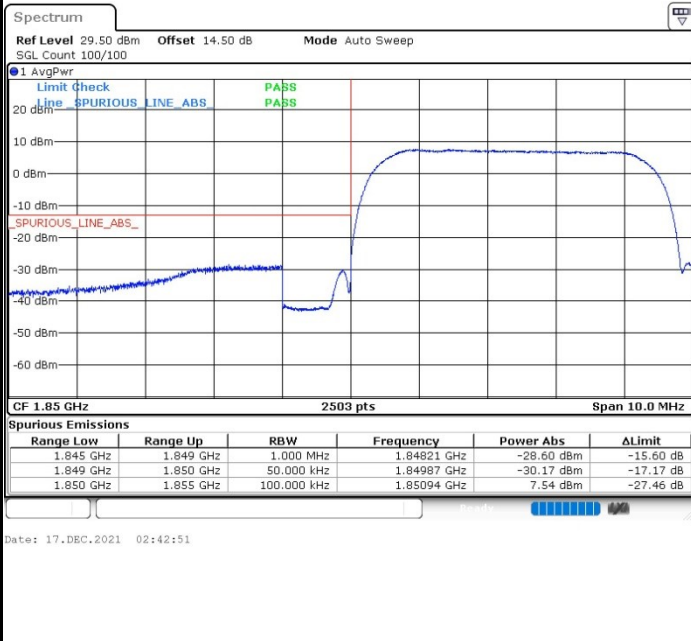




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

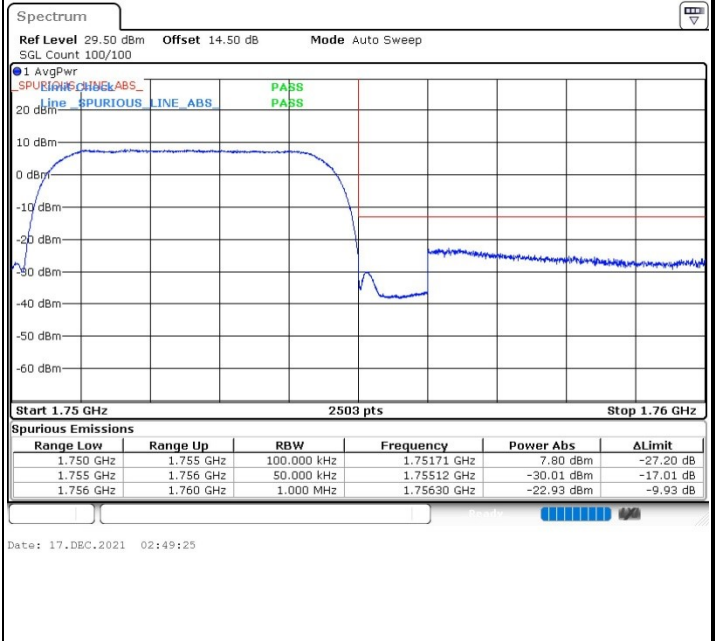
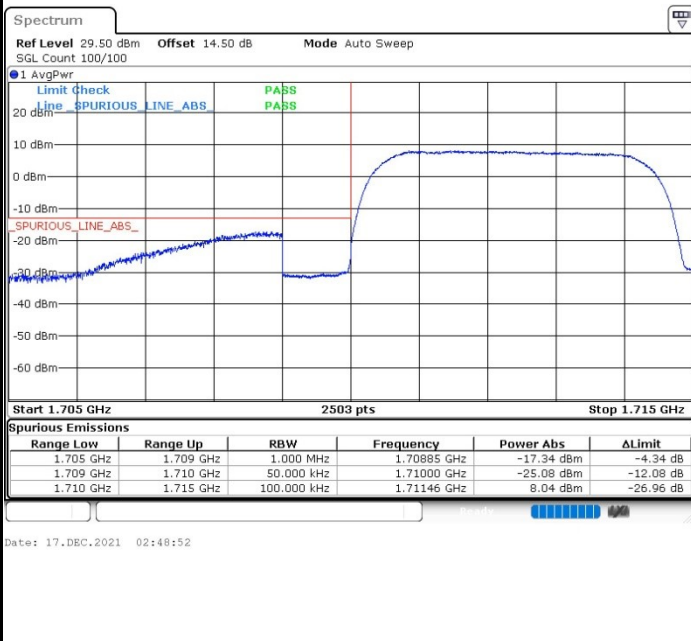
Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)

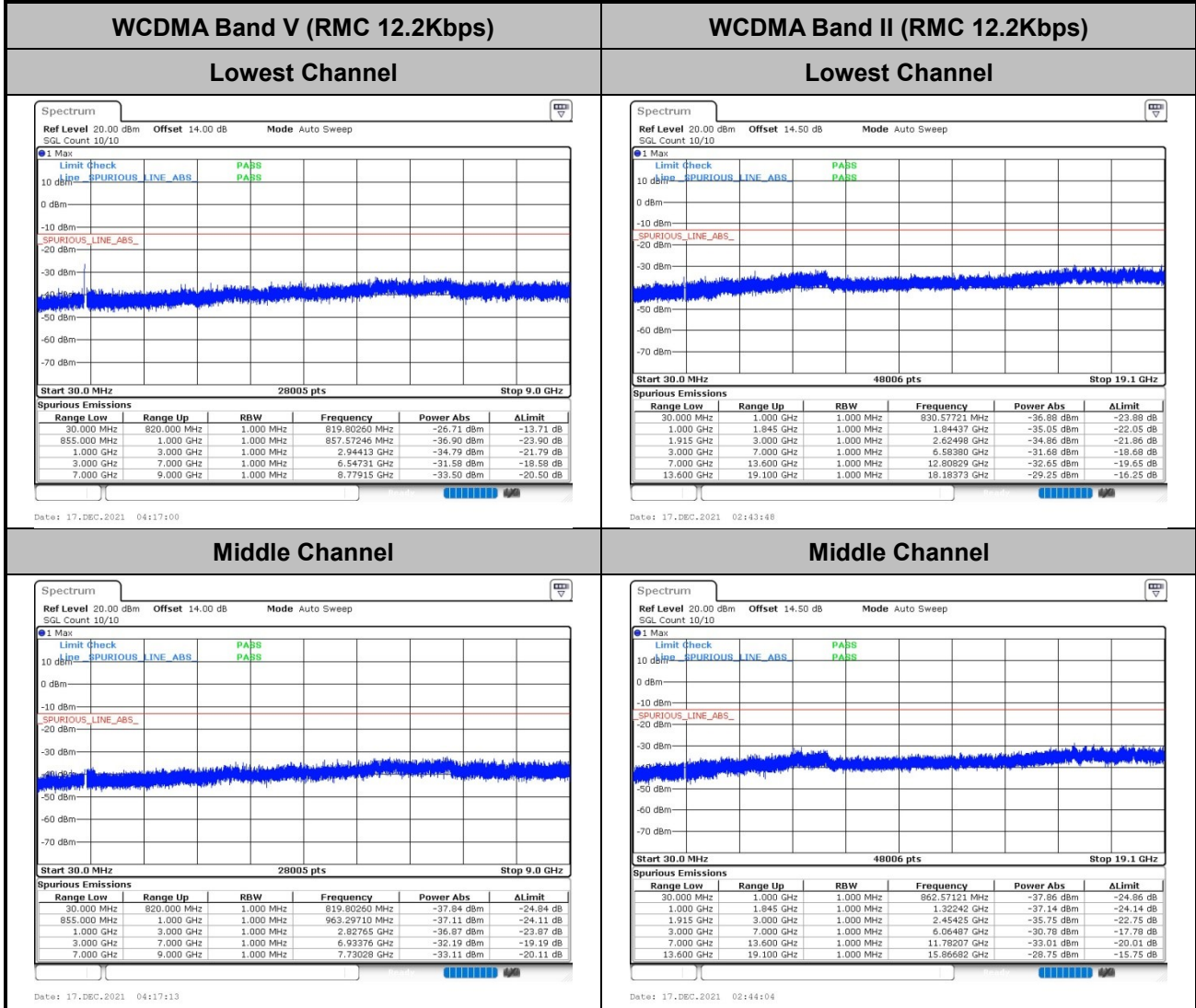
Lowest Band Edge

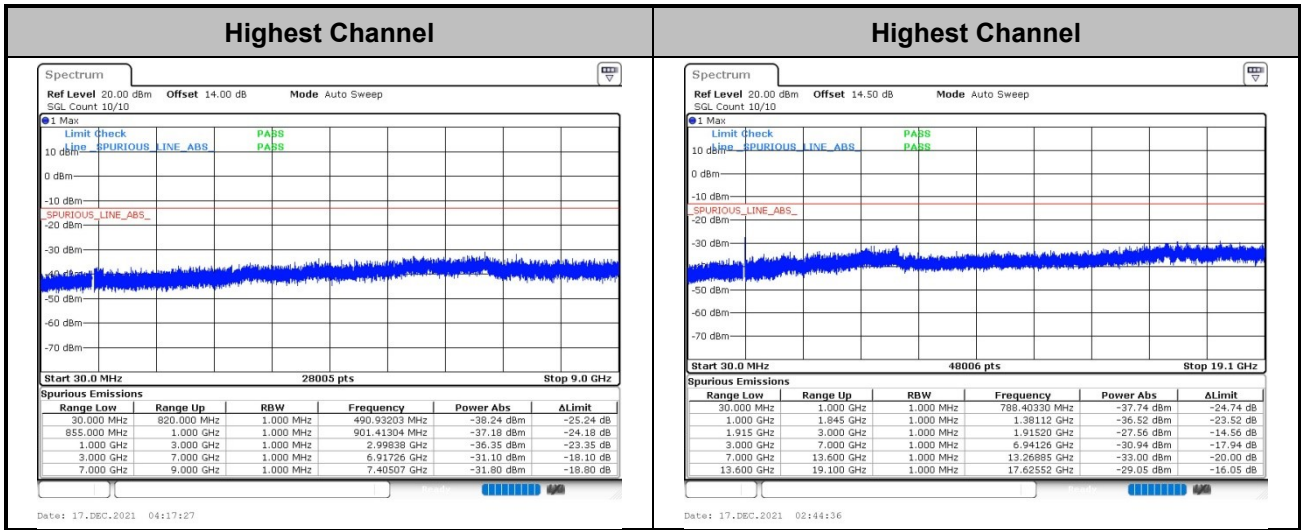
Highest Band Edge





# Conducted Spurious Emission

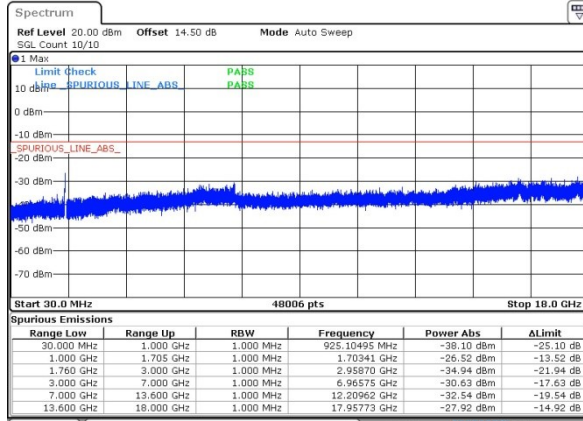






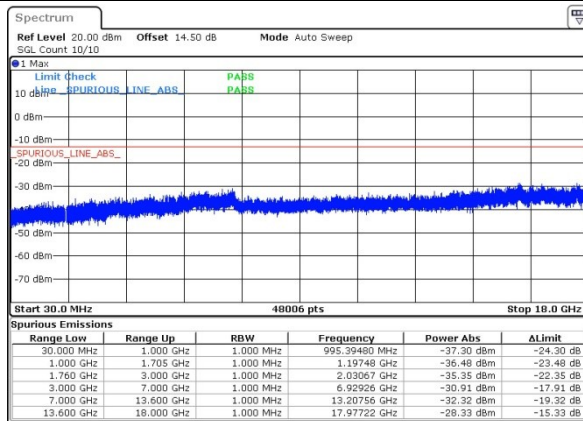
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



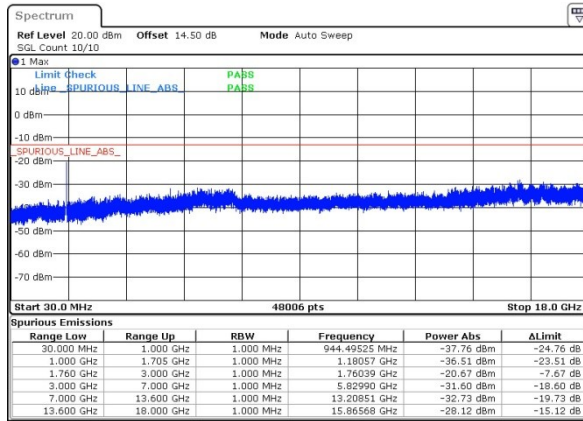
Date: 17.DEC.2021 02:50:08

Middle Channel



Date: 17.DEC.2021 02:51:05

Highest Channel



Date: 17.DEC.2021 02:51:19



### 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	0.0005	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

**Note:**

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 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

Test Engineer :	Liang JiaKuan	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850 (GSM)									
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	-60.49	-13	-47.49	-70.68	-63.74	4.00	9.40	H
	2509.2	-53.26	-13	-40.26	-68.37	-56.83	4.88	10.60	H
	3345.6	-61.55	-13	-48.55	-78.80	-66.48	5.52	12.60	H
	4182	-58.40	-13	-45.40	-80.59	-62.87	6.00	12.62	H
	5018.4	-54.51	-13	-41.51	-80.01	-57.92	7.14	12.70	H
	1672.8	-59.91	-13	-46.91	-69.55	-63.16	4.00	9.40	V
	2509.2	-43.13	-13	-30.13	-58.20	-46.70	4.88	10.60	V
	3345.6	-61.76	-13	-48.76	-78.74	-66.69	5.52	12.60	V
	4182	-54.59	-13	-41.59	-76.79	-59.06	6.00	12.62	V
	5018.4	-54.48	-13	-41.48	-80.05	-57.89	7.14	12.70	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	-65.62	-13	-52.62	-75.81	-68.87	4.00	9.40	H
	2509.2	-61.61	-13	-48.61	-76.72	-65.18	4.88	10.60	H
	3345.6	-61.59	-13	-48.59	-78.84	-66.52	5.52	12.60	H
	1672.8	-65.12	-13	-52.12	-74.76	-68.37	4.00	9.40	V
	2509.2	-61.18	-13	-48.18	-76.25	-64.75	4.88	10.60	V
	3345.6	-61.83	-13	-48.83	-78.81	-66.76	5.52	12.60	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	-65.44	-13	-52.44	-75.63	-68.69	4.00	9.40	H
	2509.2	-62.17	-13	-49.17	-77.28	-65.74	4.88	10.60	H
	3345.6	-61.42	-13	-48.42	-78.67	-66.35	5.52	12.60	H
	1672.8	-66.60	-13	-53.60	-76.24	-69.85	4.00	9.40	V
	2509.2	-62.71	-13	-49.71	-77.78	-66.28	4.88	10.60	V
	3345.6	-61.68	-13	-48.68	-78.66	-66.61	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)
Middle	3760	-60.22	-13	-47.22	-78.86	-66.97	5.85	12.60	H
	5640	-57.04	-13	-44.04	-79.10	-62.84	7.30	13.10	H
	7520	-53.93	-13	-40.93	-80.24	-57.08	8.35	11.50	H
	3760	-59.96	-13	-46.96	-78.78	-66.71	5.85	12.60	V
	5640	-58.07	-13	-45.07	-80.02	-63.87	7.30	13.10	V
	7520	-54.11	-13	-41.11	-80.3	-57.26	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)
Middle	3760	-59.91	-13	-46.91	-78.55	-66.66	5.85	12.60	H
	5640	-58.71	-13	-45.71	-80.77	-64.51	7.30	13.10	H
	7520	-54.13	-13	-41.13	-80.44	-57.28	8.35	11.50	H
	3760	-59.49	-13	-46.49	-78.31	-66.24	5.85	12.60	V
	5640	-58.79	-13	-45.79	-80.74	-64.59	7.30	13.10	V
	7520	-53.99	-13	-40.99	-80.18	-57.14	8.35	11.50	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	-60.13	-13	-47.13	-78.77	-66.88	5.85	12.60	H
	5640	-58.75	-13	-45.75	-80.81	-64.55	7.30	13.10	H
	7520	-53.96	-13	-40.96	-80.27	-57.11	8.35	11.50	H
	3760	-59.84	-13	-46.84	-78.66	-66.59	5.85	12.60	V
	5640	-58.76	-13	-45.76	-80.71	-64.56	7.30	13.10	V
	7520	-54.08	-13	-41.08	-80.27	-57.23	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)
Middle	3465.2	-61.59	-13	-48.59	-77.45	-68.44	5.65	12.50	H
	5197.8	-58.64	-13	-45.64	-81.17	-64.31	7.13	12.80	H
	6930.4	-54.99	-13	-41.99	-80.51	-58.39	8.40	11.80	H
	3465.2	-61.23	-13	-48.23	-77.63	-68.08	5.65	12.50	V
	5197.8	-58.75	-13	-45.75	-81.23	-64.42	7.13	12.80	V
	6930.4	-55.36	-13	-42.36	-80.89	-58.76	8.40	11.80	V

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