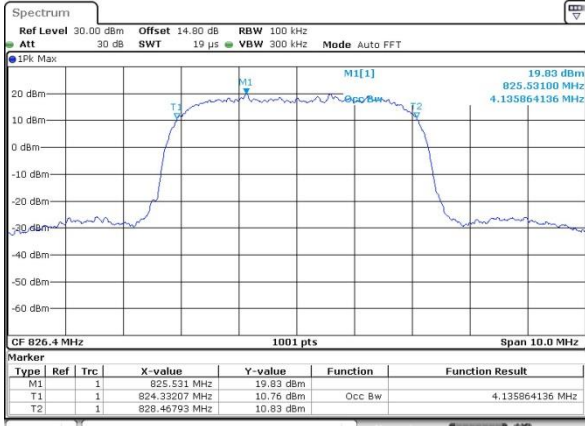




WCDMA Band V (RMC 12.2Kbps)

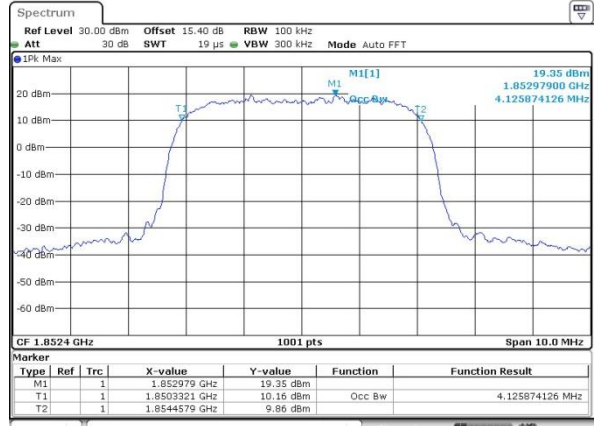
Lowest Channel



Date: 22.DEC.2021 09:23:48

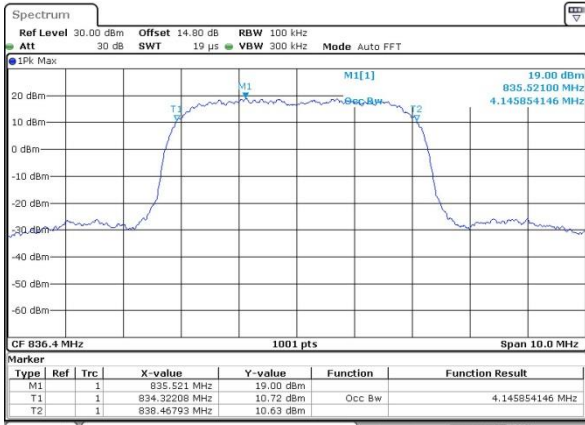
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



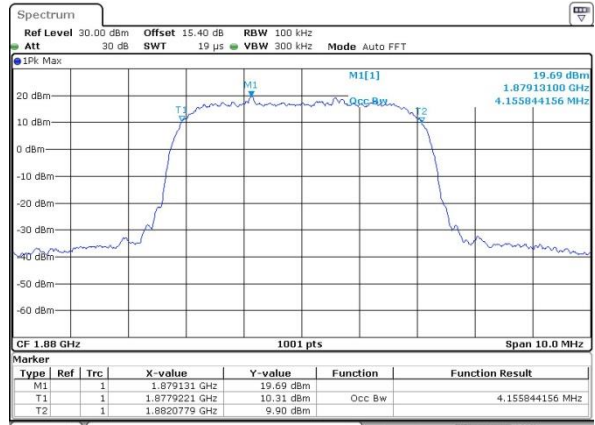
Date: 22.DEC.2021 09:39:01

Middle Channel



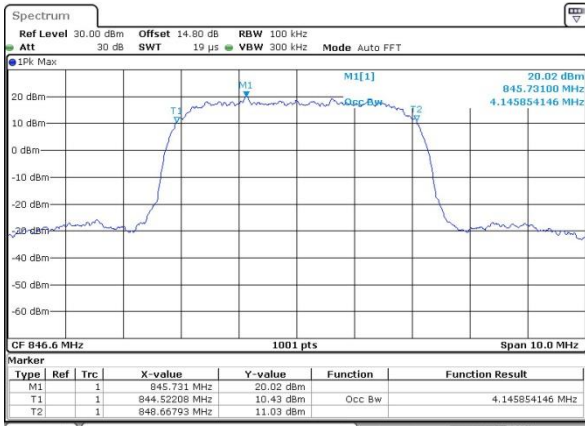
Date: 22.DEC.2021 09:24:14

Middle Channel



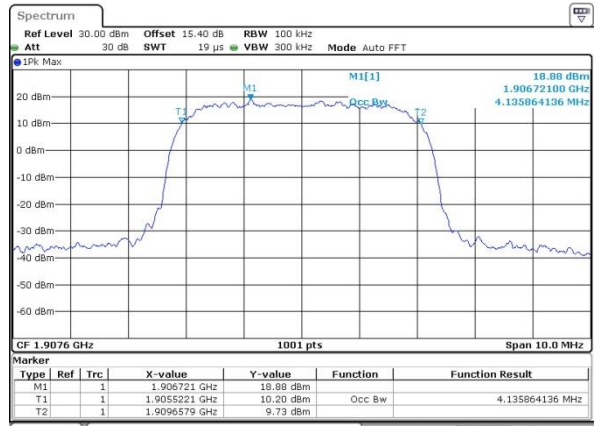
Date: 22.DEC.2021 09:39:28

Highest Channel



Date: 22.DEC.2021 09:24:38

Highest Channel



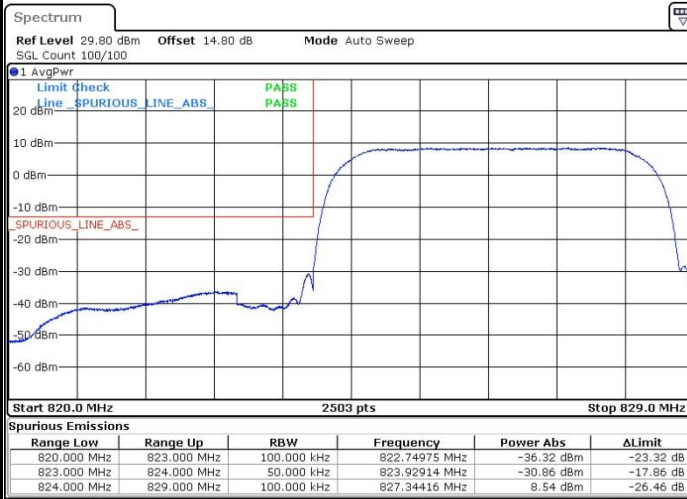
Date: 22.DEC.2021 09:39:54



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

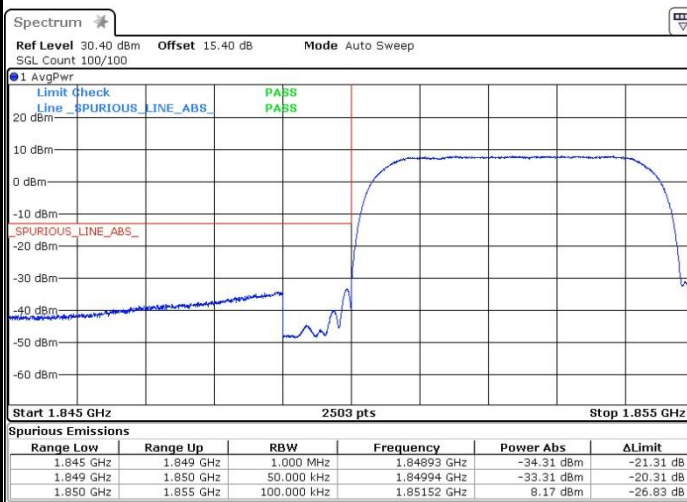


Highest Band Edge

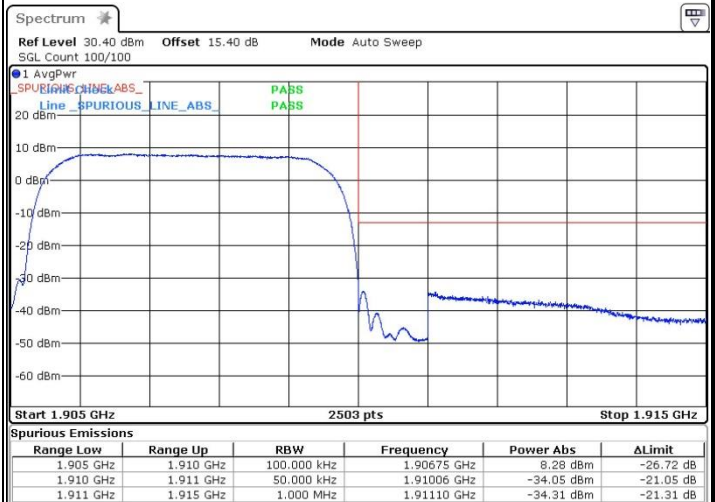


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

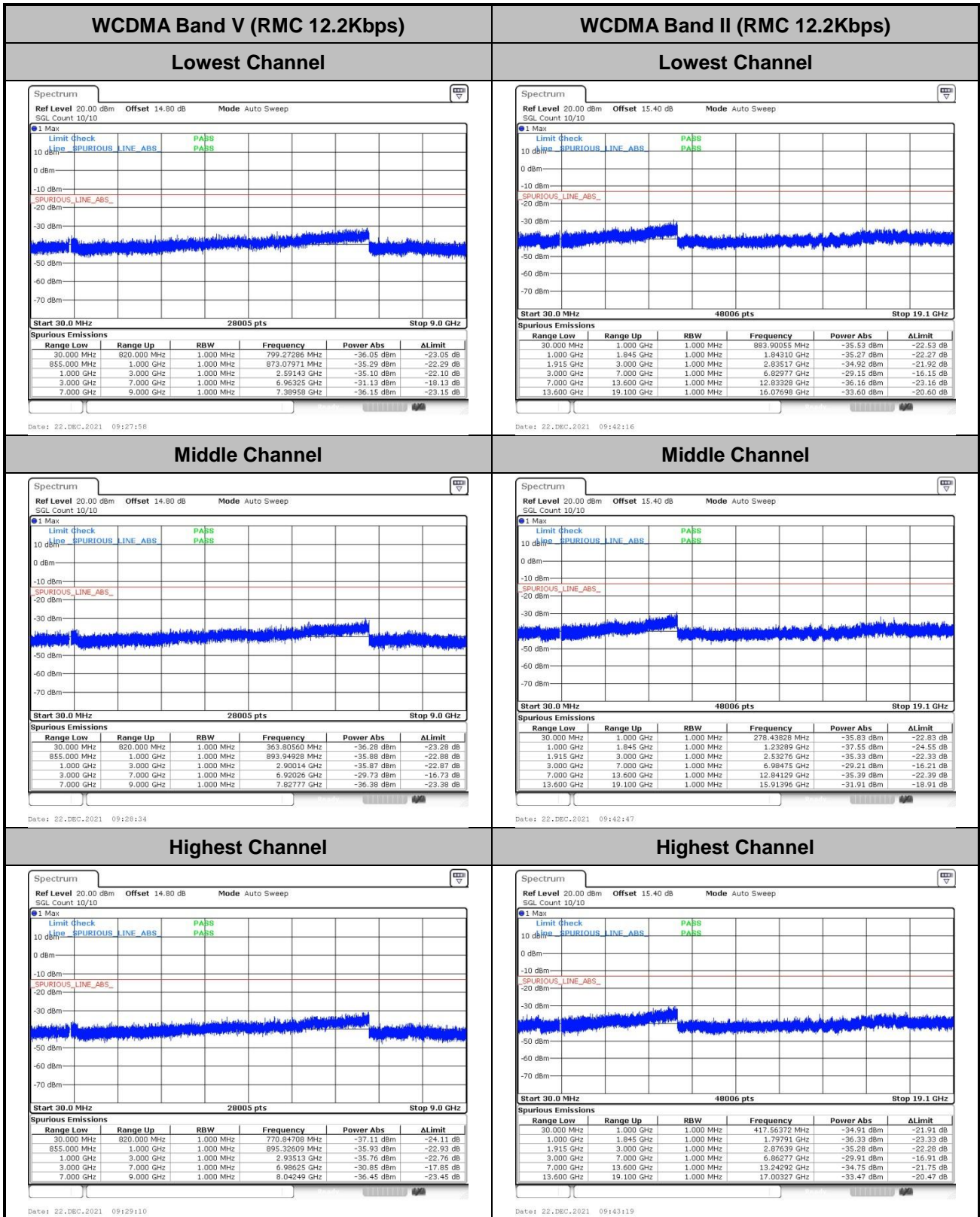


Highest Band Edge





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	0.0058	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	0.0063	

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	0.0136	
-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	0.0019	



Note:

1. Normal Voltage = 3.86V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.25V
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	-44.24	-13	-31.24	-51.21	1.58	10.70	H
	2512	-25.92	-13	-12.92	-34.17	2.102	12.50	H
	3344	-55.42	-13	-42.42	-64.31	2.856	13.90	H
	1672	-47.53	-13	-34.53	-54.50	1.58	10.70	V
	2512	-29.53	-13	-16.53	-37.78	2.10	12.50	V
	3344	-58.19	-13	-45.19	-67.08	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	-46.43	-13	-33.43	-53.40	1.58	10.70	H
	2512	-29.46	-13	-16.46	-37.71	2.102	12.50	H
	3344	-58.15	-13	-45.15	-67.04	2.856	13.90	H
	1672	-51.02	-13	-38.02	-57.99	1.58	10.70	V
	2512	-31.13	-13	-18.13	-39.38	2.10	12.50	V
	3344	-58.14	-13	-45.14	-67.03	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	-51.05	-13	-38.05	-63.31	2.64	14.90	H
	5640	-54.11	-13	-41.11	-65.97	2.94	14.80	H
	7515	-52.44	-13	-39.44	-62.21	3.39	13.16	H
	3765	-50.22	-13	-37.22	-62.48	2.64	14.90	V
	5640	-54.71	-13	-41.71	-66.57	2.94	14.80	V
	7515	-52.03	-13	-39.03	-61.80	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	-51.06	-13	-38.06	-63.32	2.64	14.90	H
	5640	-54.20	-13	-41.20	-66.06	2.94	14.80	H
	7515	-52.02	-13	-39.02	-61.79	3.39	13.16	H
	3765	-49.34	-13	-36.34	-61.60	2.64	14.90	V
	5640	-54.10	-13	-41.10	-65.96	2.94	14.80	V
	7515	-52.19	-13	-39.19	-61.96	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	-64.10	-13	-51.10	-71.07	1.58	10.70	H
	2512	-57.29	-13	-44.29	-65.54	2.102	12.50	H
	3344	-59.53	-13	-46.53	-68.42	2.856	13.90	H
	1672	-63.21	-13	-50.21	-70.18	1.58	10.70	V
	2512	-58.00	-13	-45.00	-66.25	2.10	12.50	V
	3344	-59.58	-13	-46.58	-68.47	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	-56.21	-13	-43.21	-68.47	2.64	14.90	H
	5640	-54.60	-13	-41.60	-66.46	2.94	14.80	H
	7515	-52.72	-13	-39.72	-62.49	3.39	13.16	H
	3765	-55.61	-13	-42.61	-67.87	2.64	14.90	V
	5640	-54.70	-13	-41.70	-66.56	2.94	14.80	V
	7515	-52.24	-13	-39.24	-62.01	3.39	13.16	V

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