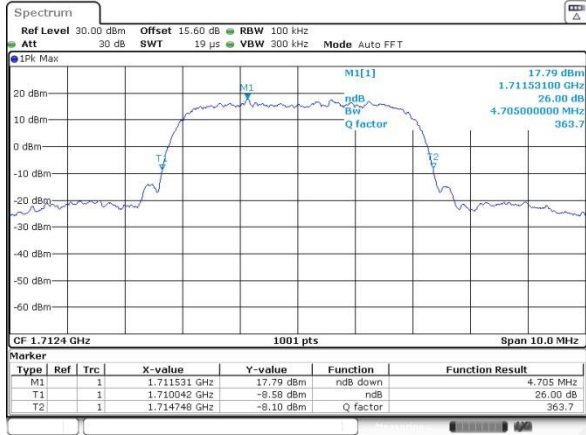




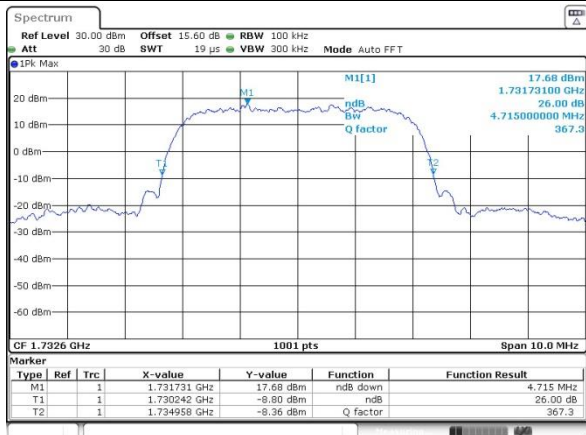
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



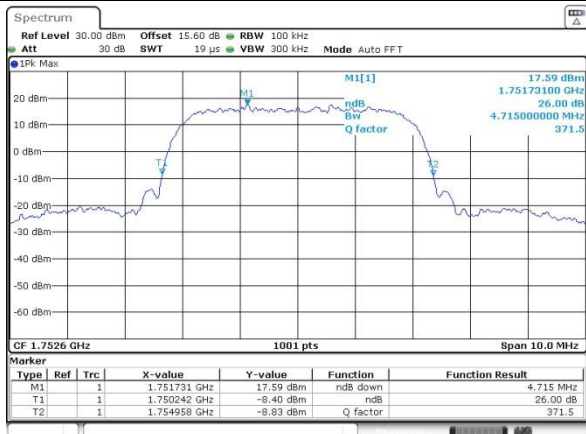
Date: 28\_JUL\_2024 05:56:03

Middle Channel



Date: 28\_JUL\_2024 05:56:33

Highest Channel



Date: 28\_JUL\_2024 05:56:54



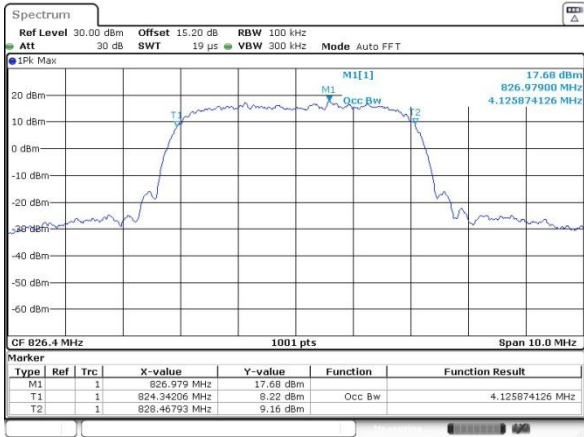
### Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.13	4.14	4.14
Middle CH	4.13	4.14	4.15
Highest CH	4.12	4.14	4.14



WCDMA Band V (RMC 12.2Kbps)

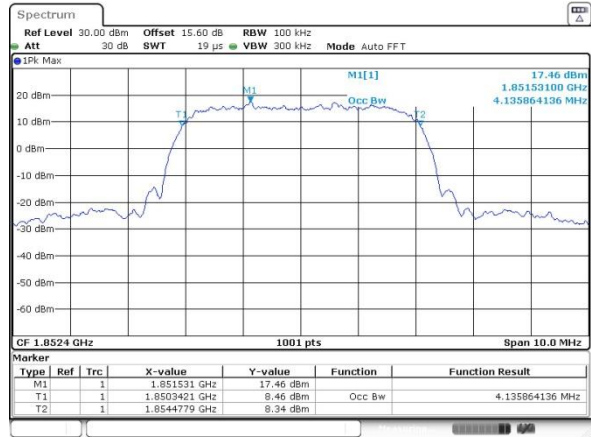
Lowest Channel



Date: 28.JUL.2024 06:27:37

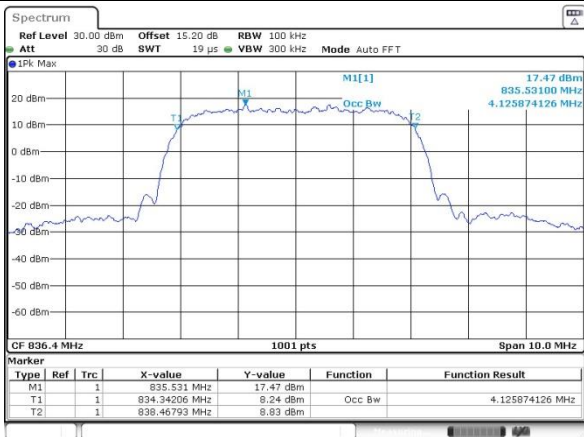
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



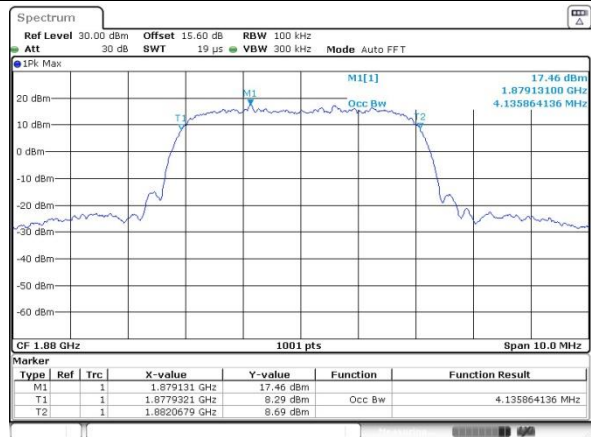
Date: 28.JUL.2024 05:51:11

Middle Channel



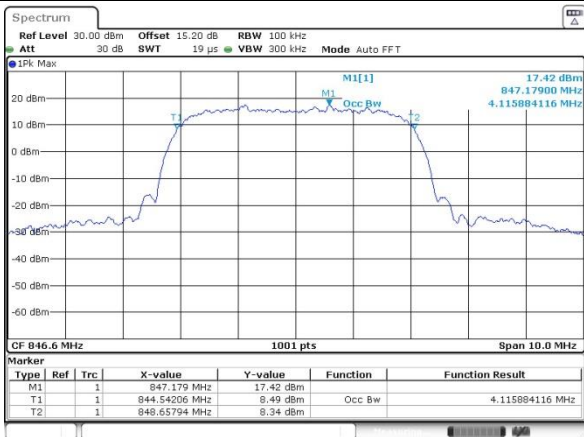
Date: 28.JUL.2024 06:27:55

Middle Channel



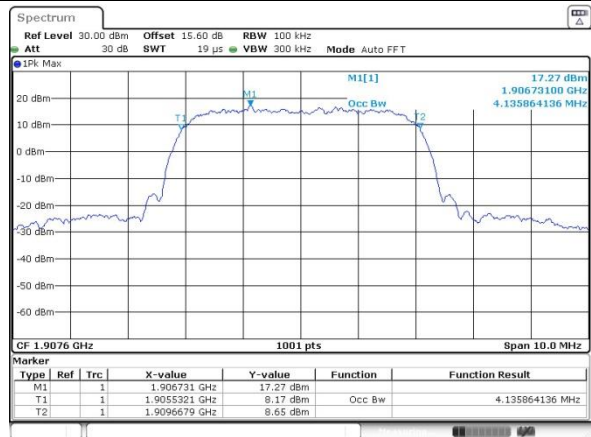
Date: 28.JUL.2024 05:51:28

Highest Channel



Date: 28.JUL.2024 06:28:12

Highest Channel

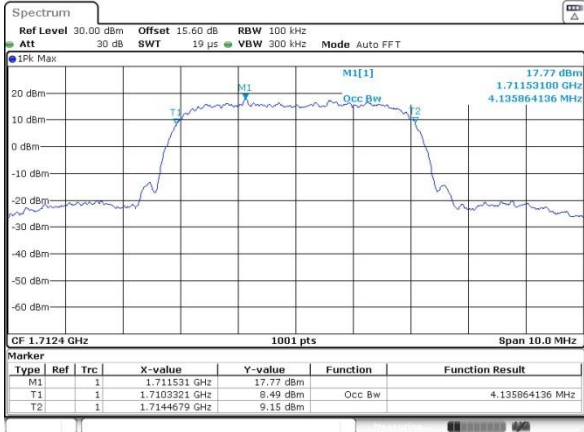


Date: 28.JUL.2024 05:52:19



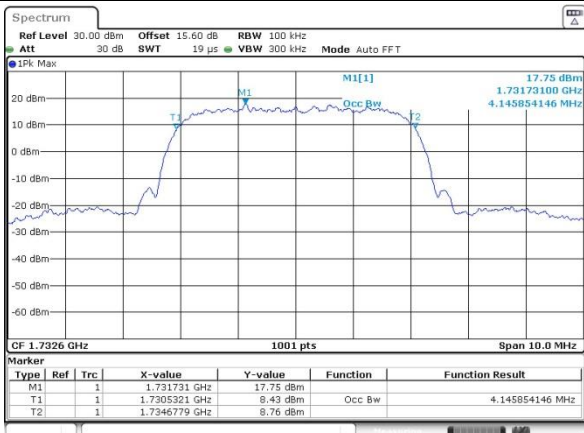
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



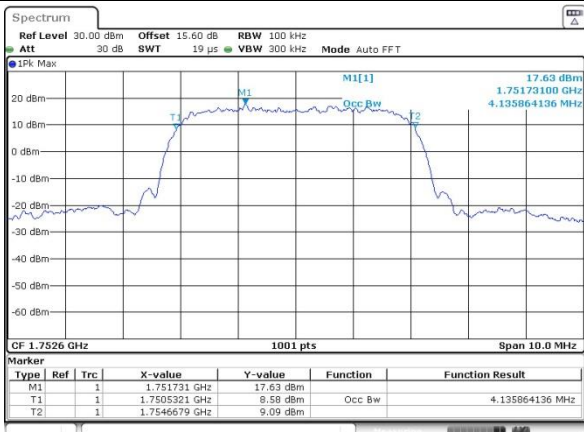
Date: 28\_JUL\_2024 05:58:38

Middle Channel



Date: 28\_JUL\_2024 05:58:59

Highest Channel



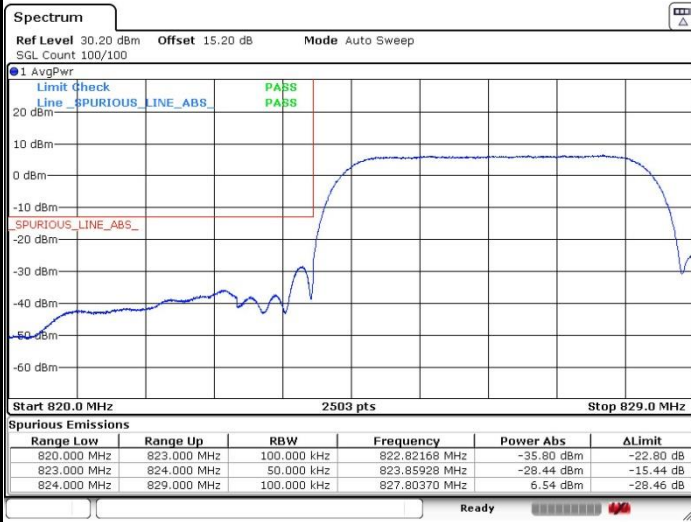
Date: 28\_JUL\_2024 05:59:17



# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge

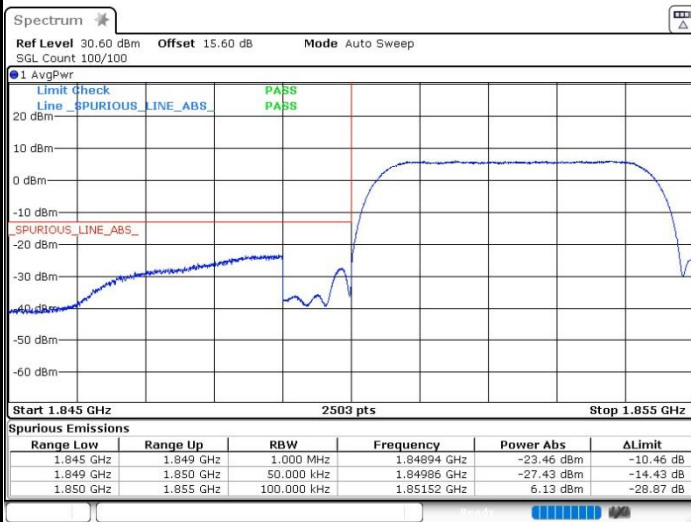


### Highest Band Edge

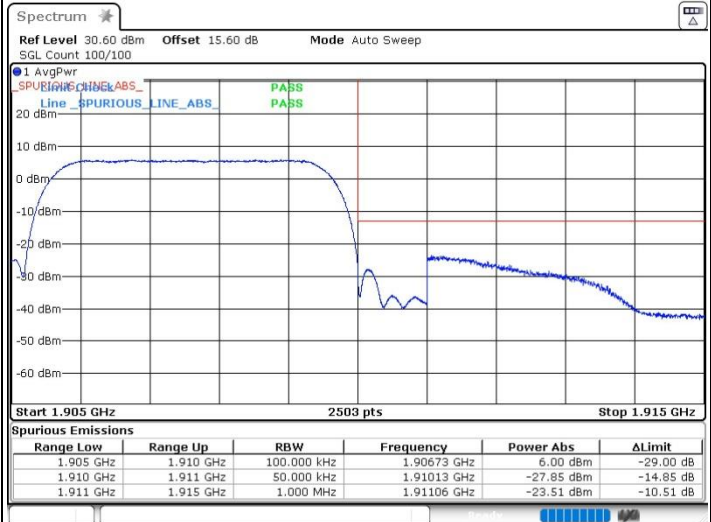


## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



### Highest Band Edge

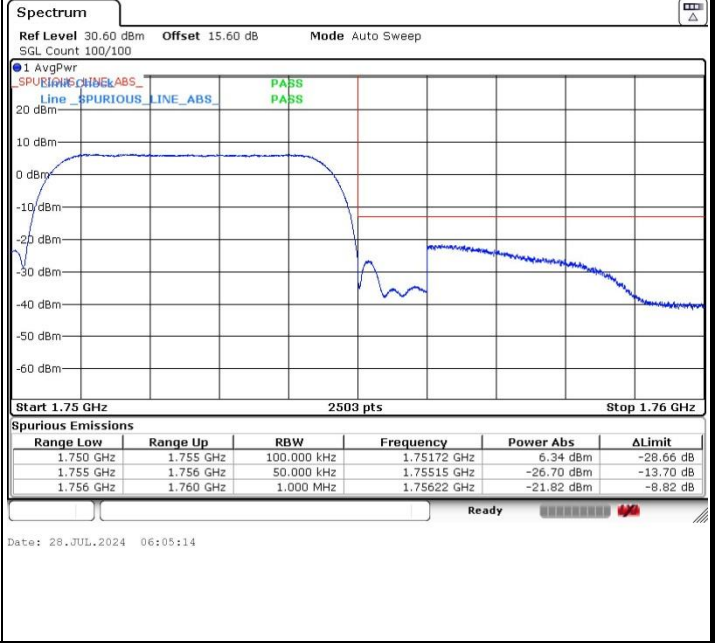
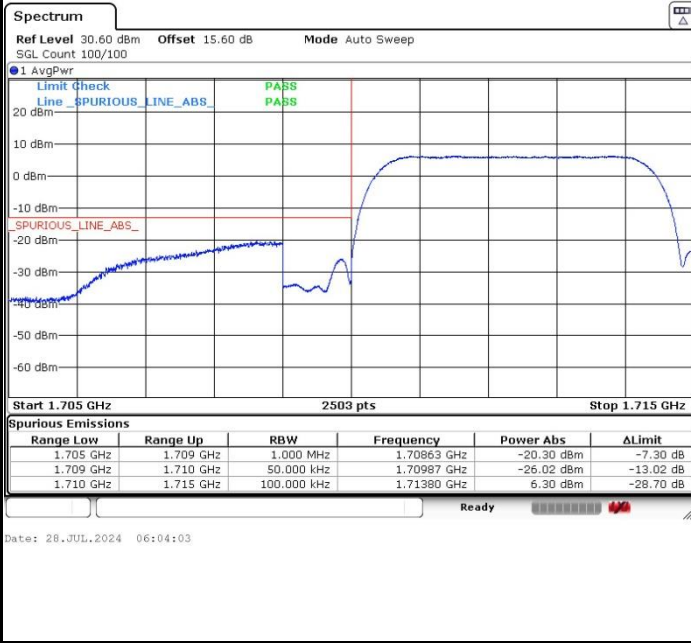




WCDMA Band IV (RMC 12.2Kbps)

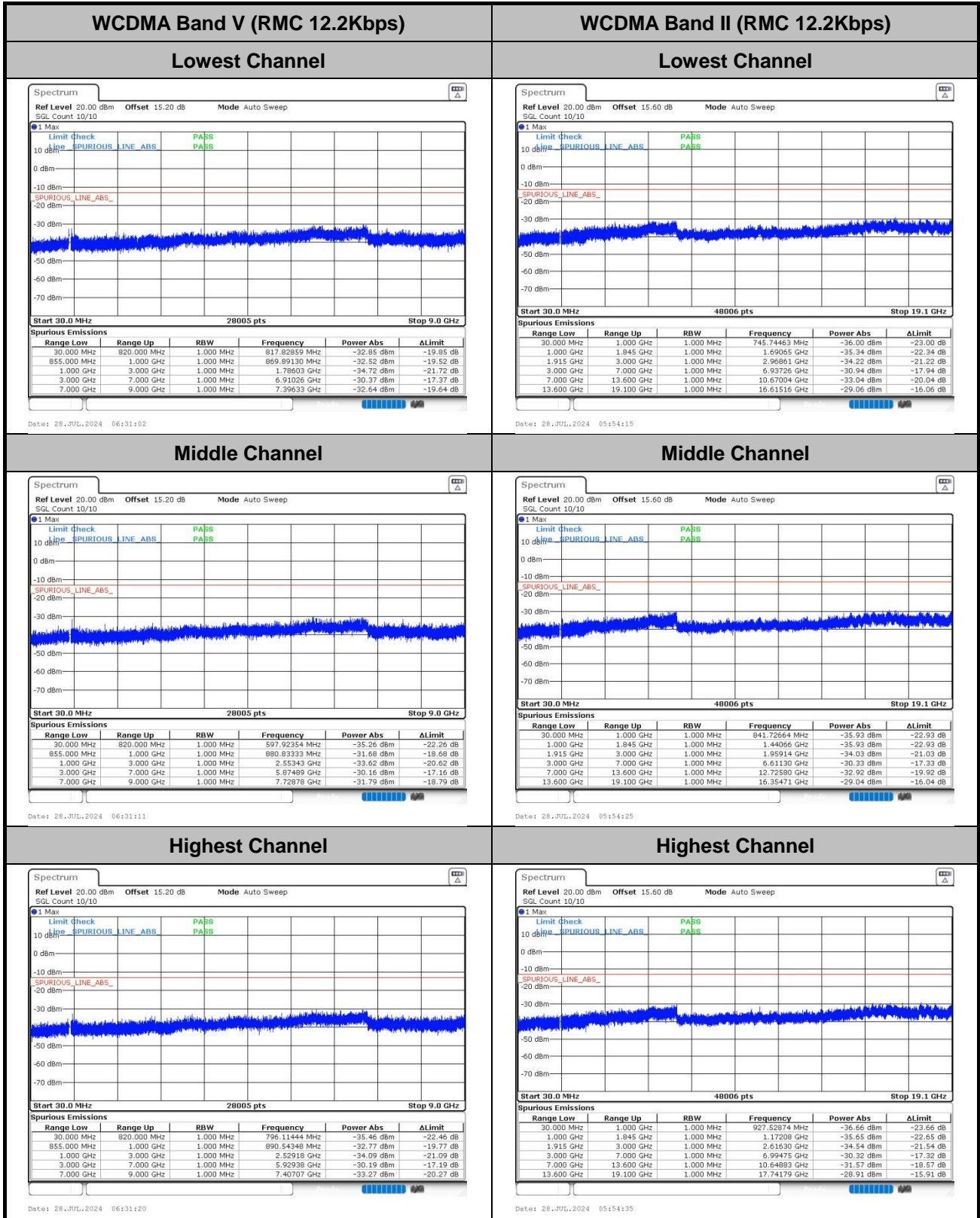
Lowest Band Edge

Highest Band Edge





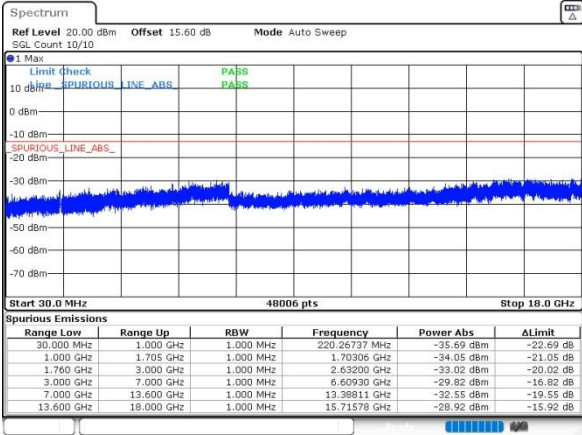
# Conducted Spurious Emission



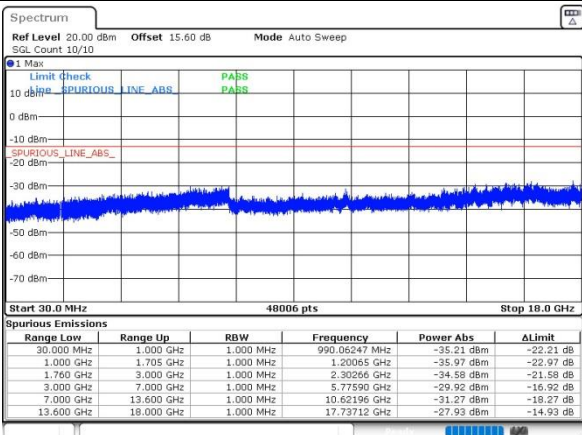


WCDMA Band IV (RMC 12.2Kbps)

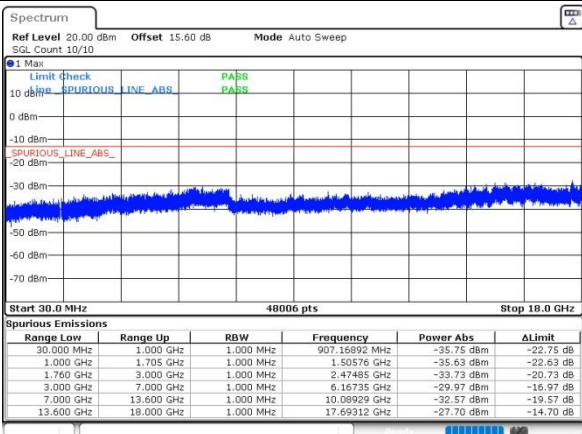
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 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	



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	0.0118	

**Note:**

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5V
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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

GSM850 (GSM) / Ant.0								
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	-57.51	-13	-44.51	-64.48	1.58	10.70	H
	2512	-50.04	-13	-37.04	-58.29	2.102	12.50	H
	3344	-68.34	-13	-55.34	-77.23	2.856	13.90	H
	1672	-61.94	-13	-48.94	-68.91	1.58	10.70	V
	2512	-46.08	-13	-33.08	-54.33	2.10	12.50	V
	3344	-68.07	-13	-55.07	-76.96	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots) / Ant.0								
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	-70.83	-13	-57.83	-77.80	1.58	10.70	H
	2512	-59.89	-13	-46.89	-68.14	2.102	12.50	H
	3344	-68.39	-13	-55.39	-77.28	2.856	13.90	H
	1672	-70.33	-13	-57.33	-77.30	1.58	10.70	V
	2512	-51.09	-13	-38.09	-59.34	2.10	12.50	V
	3344	-68.22	-13	-55.22	-77.11	2.86	13.90	V

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

GSM1900 (GSM) / Ant.1								
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	-57.04	-13	-44.04	-69.30	2.64	14.90	H
	5640	-37.17	-13	-24.17	-49.03	2.94	14.80	H
	7515	-51.90	-13	-38.90	-61.67	3.39	13.16	H
	3765	-56.84	-13	-43.84	-69.10	2.64	14.90	V
	5640	-42.41	-13	-29.41	-54.27	2.94	14.80	V
	7515	-52.51	-13	-39.51	-62.28	3.39	13.16	V
	9405	-50.56	-13	-37.56	-61.04	4.00	14.48	V

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



GSM1900 (EDGE 1 Tx slots) / Ant.1								
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	-58.11	-13	-45.11	-70.37	2.64	14.90	H
	5640	-40.37	-13	-27.37	-52.23	2.94	14.80	H
	7515	-52.03	-13	-39.03	-61.80	3.39	13.16	H
	9405	-50.31	-13	-37.31	-60.79	4.00	14.48	H
	3765	-56.23	-13	-43.23	-68.49	2.64	14.90	V
	5640	-36.63	-13	-23.63	-48.49	2.94	14.80	V
	7515	-53.30	-13	-40.30	-63.07	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) / Ant.0								
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	-72.12	-13	-59.12	-79.09	1.58	10.70	H
	2512	-65.11	-13	-52.11	-73.36	2.102	12.50	H
	3344	-68.26	-13	-55.26	-77.15	2.856	13.90	H
	1672	-71.66	-13	-58.66	-78.63	1.58	10.70	V
	2512	-64.57	-13	-51.57	-72.82	2.10	12.50	V
	3344	-68.37	-13	-55.37	-77.26	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) / Ant.1								
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	-68.14	-13	-55.14	-80.40	2.64	14.90	H
	5640	-53.44	-13	-40.44	-65.30	2.94	14.80	H
	7515	-56.12	-13	-43.12	-65.89	3.39	13.16	H
	3765	-67.59	-13	-54.59	-79.85	2.64	14.90	V
	5640	-56.55	-13	-43.55	-68.41	2.94	14.80	V
	7515	-56.83	-13	-43.83	-66.60	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) / Ant.1								
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	-66.70	-13	-53.70	-77.44	2.604	13.34	H
	5205	-53.22	-13	-40.22	-63.73	3.011	13.52	H
	6930	-58.91	-13	-45.91	-69.11	3.271	13.47	H
	3465	-67.30	-13	-54.30	-78.04	2.604	13.34	V
	5205	-52.12	-13	-39.12	-62.63	3.011	13.52	V
	6930	-58.71	-13	-45.71	-68.91	3.271	13.47	V

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