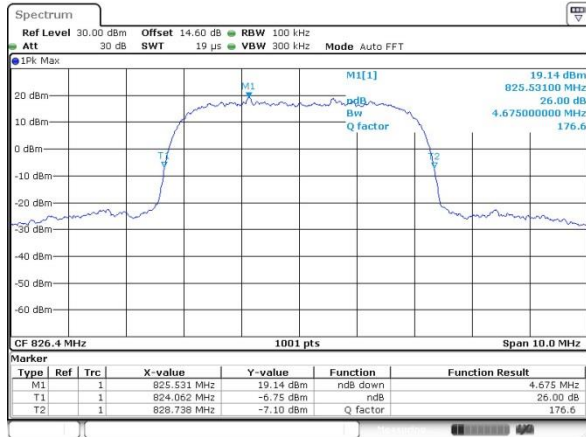




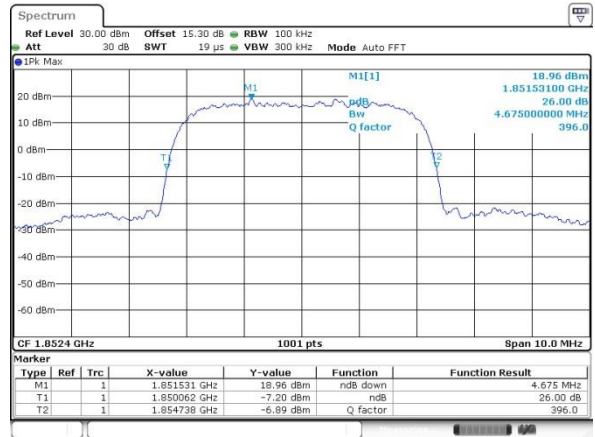
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

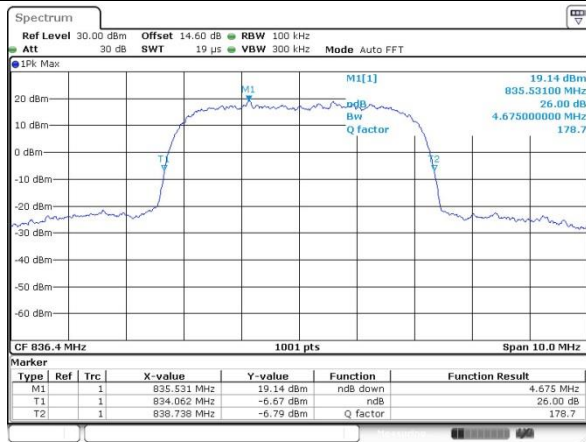


WCDMA Band II (RMC 12.2Kbps)

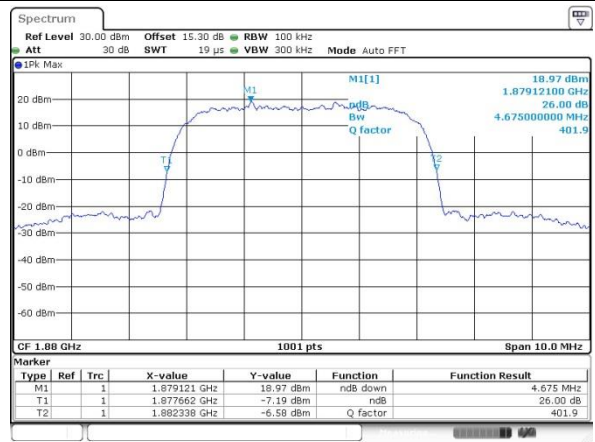
Lowest Channel



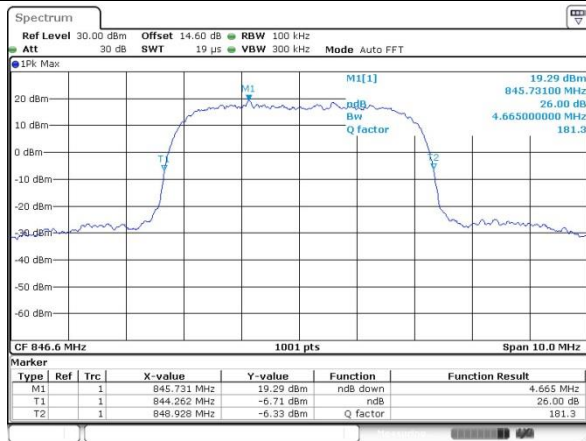
Middle Channel



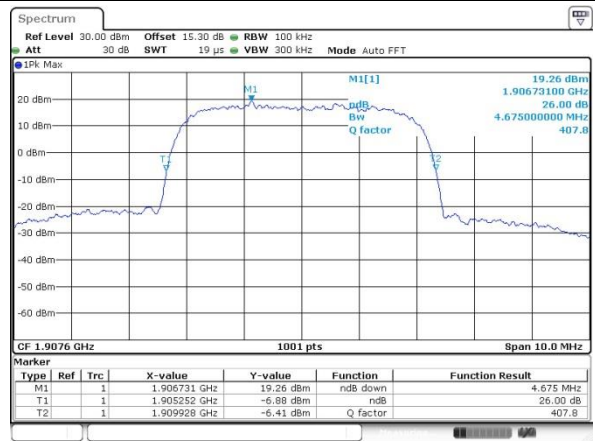
Middle Channel



Highest Channel



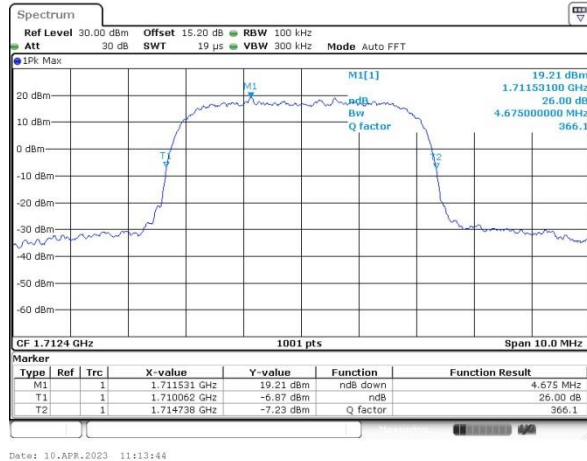
Highest Channel



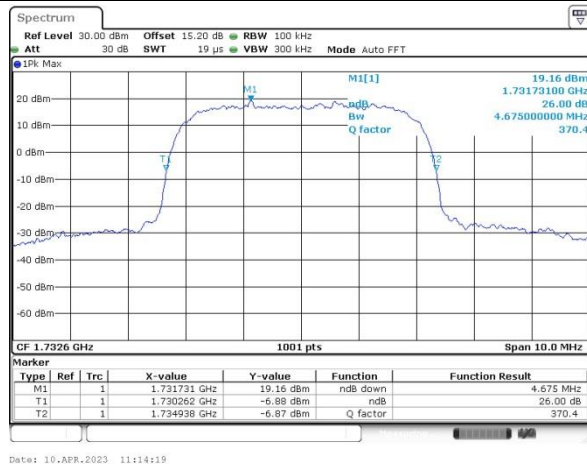


WCDMA Band IV (RMC 12.2Kbps)

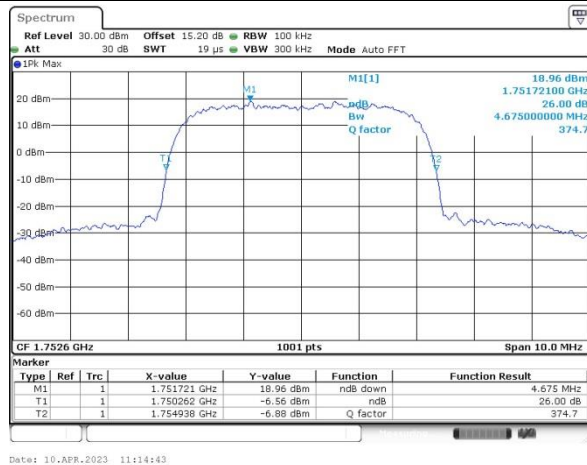
Lowest Channel



Middle Channel



Highest Channel





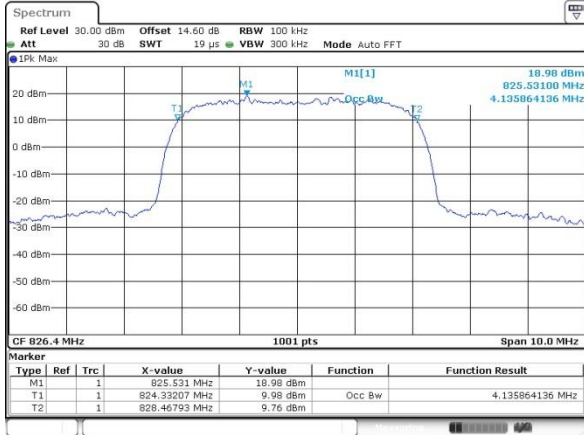
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.146	4.136
Middle CH	4.136	4.146	4.136
Highest CH	4.146	4.146	4.146



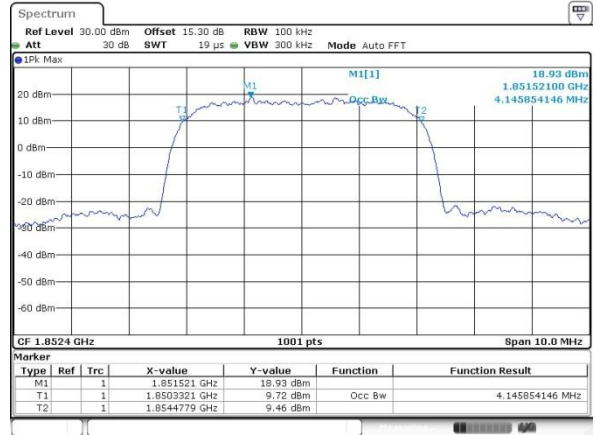
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

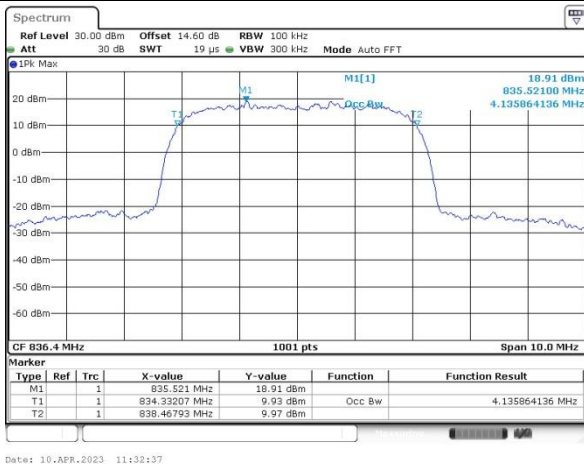


WCDMA Band II (RMC 12.2Kbps)

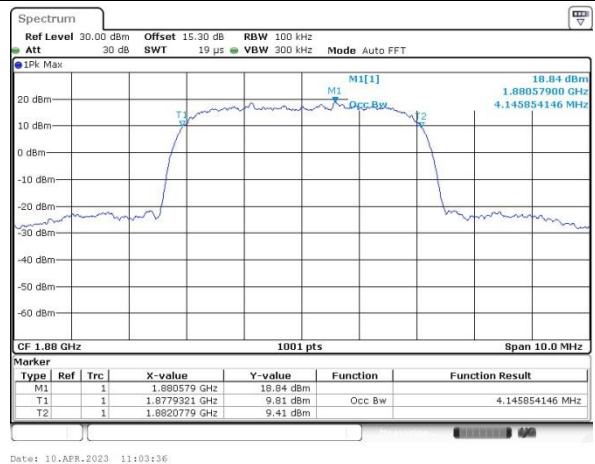
Lowest Channel



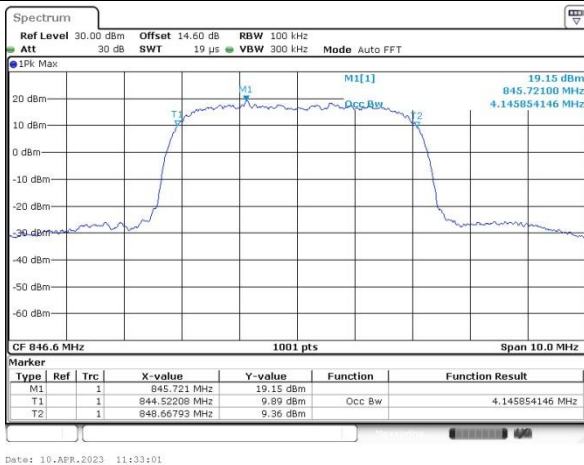
Middle Channel



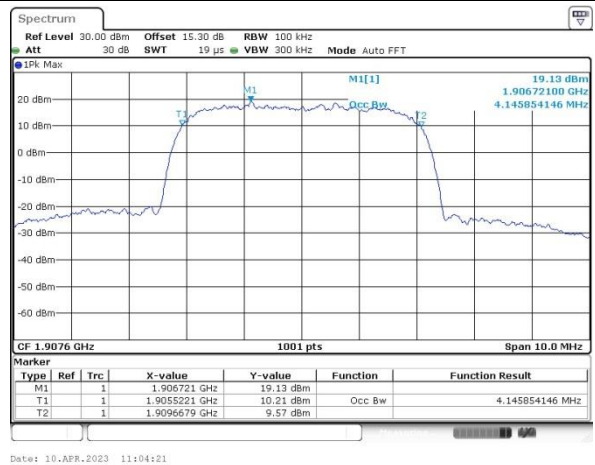
Middle Channel



Highest Channel



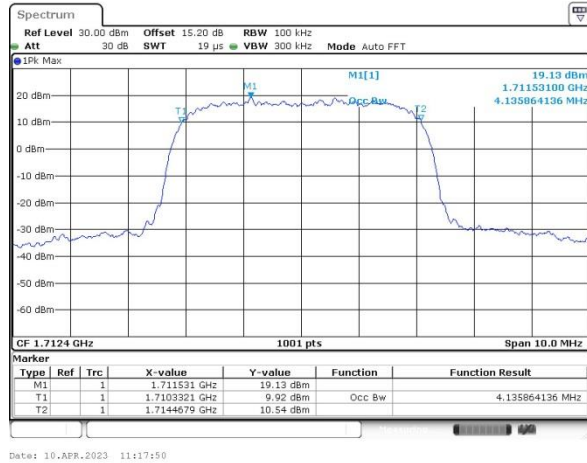
Highest Channel



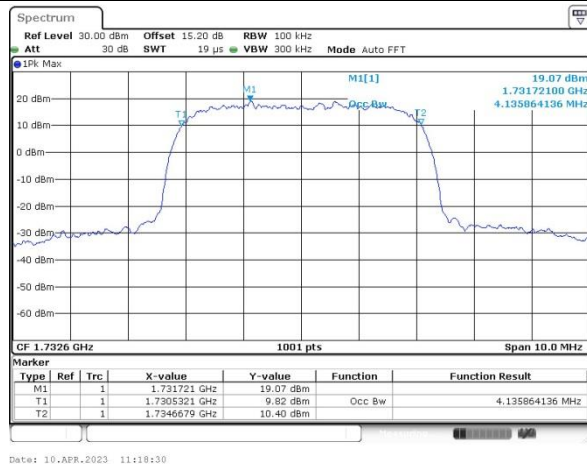


WCDMA Band IV (RMC 12.2Kbps)

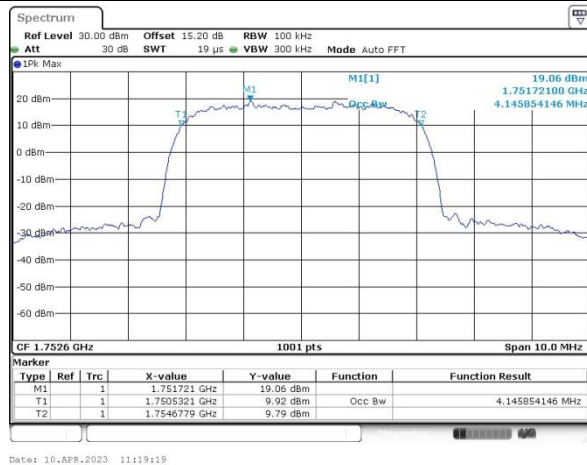
Lowest Channel

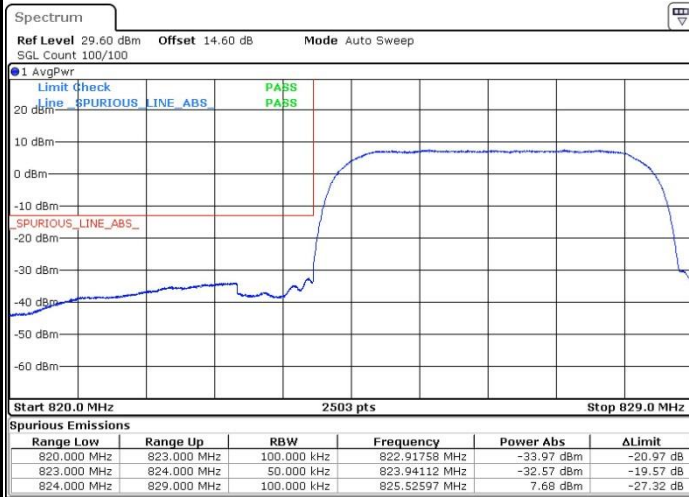
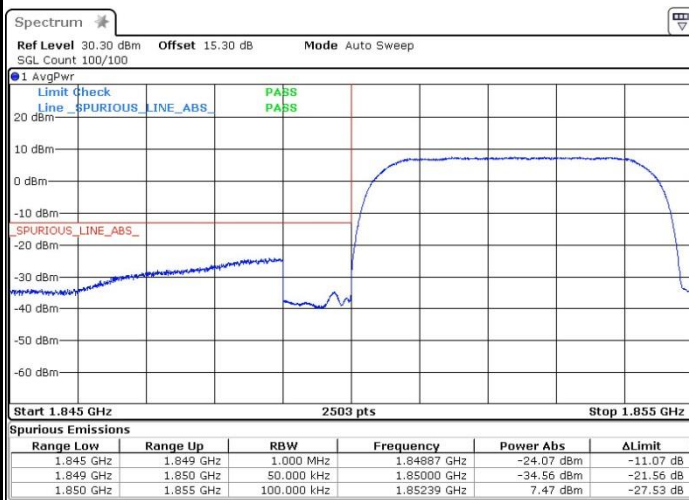


Middle Channel



Highest Channel



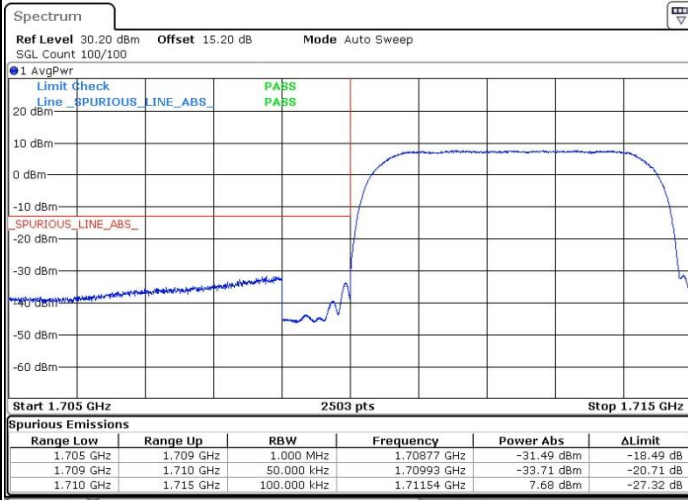
**Conducted Band Edge****WCDMA Band V (RMC 12.2Kbps)****Lowest Band Edge****Highest Band Edge****WCDMA Band II (RMC 12.2Kbps)****Lowest Band Edge****Highest Band Edge**



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 10.APR.2023 11:20:28



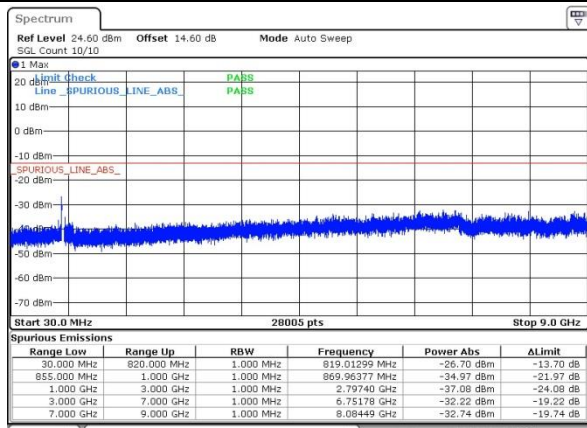
Date: 10.APR.2023 11:21:14



Conducted Spurious Emission

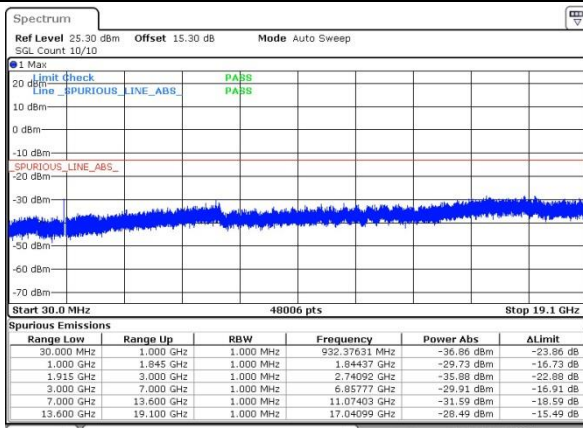
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

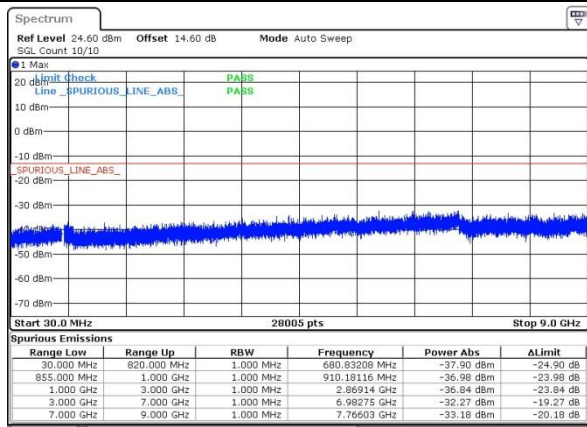


WCDMA Band II (RMC 12.2Kbps)

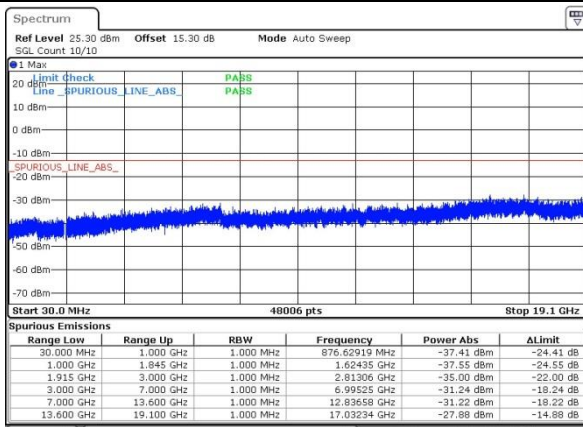
Lowest Channel



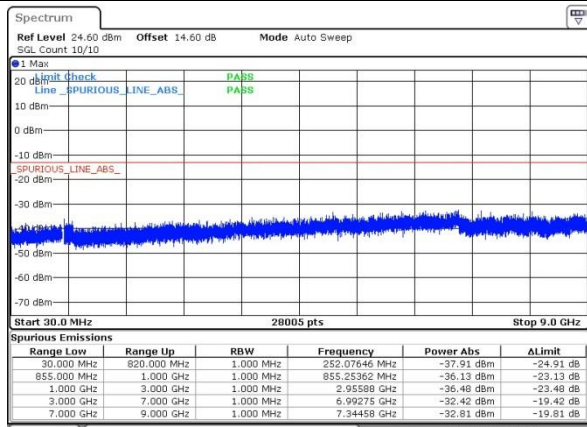
Middle Channel



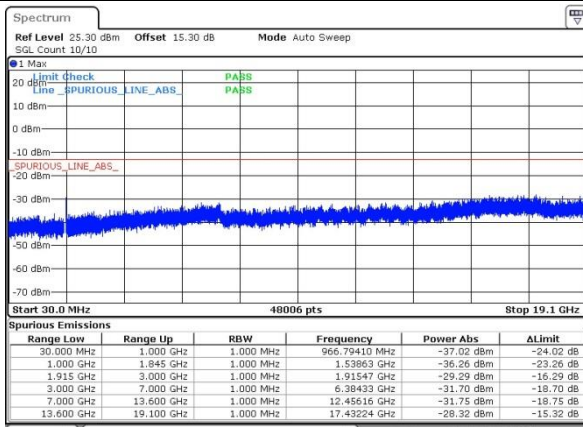
Middle Channel



Highest Channel



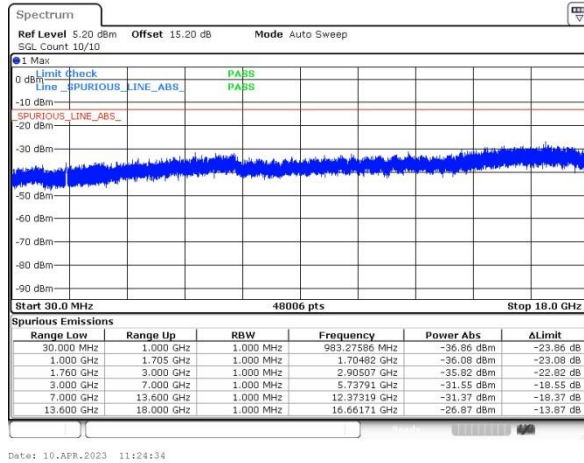
Highest Channel



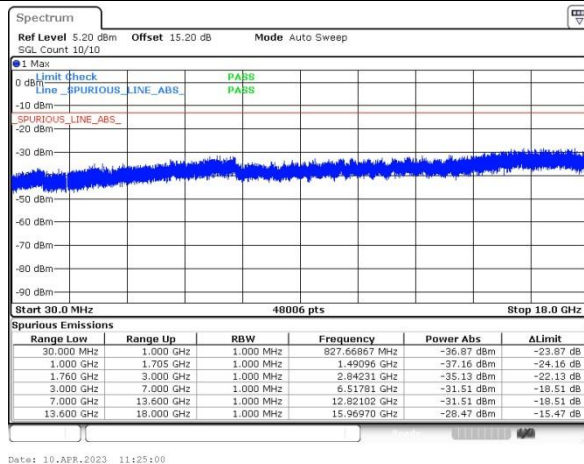


WCDMA Band IV (RMC 12.2Kbps)

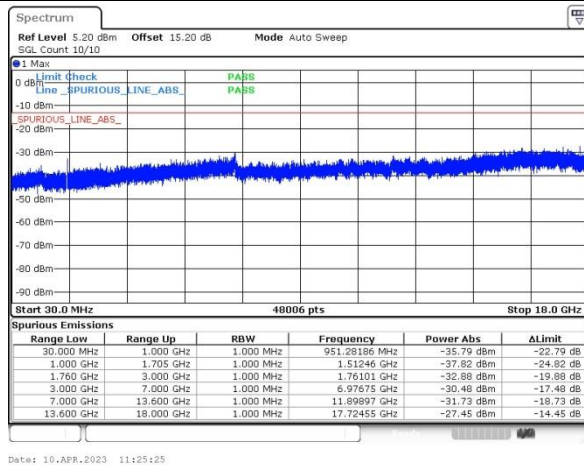
Lowest Channel



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	0.0005	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0122	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0149	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0165	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0092	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0052	
20	Normal Voltage	0.0098	
20	Battery End Point	0.0081	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0155	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0143	
0	Normal Voltage	0.0311	
-10	Normal Voltage	0.0227	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0203	
20	Maximum Voltage	0.0120	
20	Normal Voltage	0.0287	
20	Battery End Point	0.0239	

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 :	ShunPing You	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	-57.23	-13	-44.23	-66.76	-60.48	4.00	9.40	H
	2509.2	-60.30	-13	-47.30	-74.79	-63.87	4.88	10.60	H
	3345.6	-63.24	-13	-50.24	-78.74	-68.17	5.52	12.60	H
	1672.8	-51.48	-13	-38.48	-60.46	-54.73	4.00	9.40	V
	2509.2	-57.70	-13	-44.70	-72.15	-61.27	4.88	10.60	V
	3345.6	-62.73	-13	-49.73	-77.96	-67.66	5.52	12.60	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	-57.93	-13	-44.93	-67.46	-61.18	4.00	9.40	H
	2509.2	-58.19	-13	-45.19	-72.68	-61.76	4.88	10.60	H
	3345.6	-62.78	-13	-49.78	-78.28	-67.71	5.52	12.60	H
	1672.8	-50.15	-13	-37.15	-59.13	-53.40	4.00	9.40	V
	2509.2	-57.87	-13	-44.87	-72.32	-61.44	4.88	10.60	V
	3345.6	-62.41	-13	-49.41	-77.64	-67.34	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	-62.03	-13	-49.03	-80.15	-68.78	5.85	12.60	H
	5640	-59.40	-13	-46.40	-82.38	-65.20	7.30	13.10	H
	7520	-54.51	-13	-41.51	-81.82	-57.66	8.35	11.50	H
	3760	-62.26	-13	-49.26	-80.31	-69.01	5.85	12.60	V
	5640	-60.19	-13	-47.19	-82.42	-65.99	7.30	13.10	V
	7520	-54.80	-13	-41.80	-82.09	-57.95	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	-61.87	-13	-48.87	-79.99	-68.62	5.85	12.60	H
	5640	-58.70	-13	-45.70	-81.68	-64.50	7.30	13.10	H
	7520	-52.89	-13	-39.89	-80.20	-56.04	8.35	11.50	H
	3760	-61.71	-13	-48.71	-79.76	-68.46	5.85	12.60	V
	5640	-59.41	-13	-46.41	-81.64	-65.21	7.30	13.10	V
	7520	-53.07	-13	-40.07	-80.36	-56.22	8.35	11.50	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	-67.04	-13	-54.04	-76.57	-70.29	4.00	9.40	H
	2509.2	-64.03	-13	-51.03	-78.52	-67.60	4.88	10.60	H
	3345.6	-63.63	-13	-50.63	-79.13	-68.56	5.52	12.60	H
	1672.8	-67.70	-13	-54.70	-76.68	-70.95	4.00	9.40	V
	2509.2	-63.80	-13	-50.80	-78.25	-67.37	4.88	10.60	V
	3345.6	-63.77	-13	-50.77	-79.00	-68.70	5.52	12.60	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	-60.56	-13	-47.56	-78.68	-67.31	5.85	12.60	H
	5640	-58.80	-13	-45.80	-81.78	-64.60	7.30	13.10	H
	7520	-54.46	-13	-41.46	-81.77	-57.61	8.35	11.50	H
	3760	-61.78	-13	-48.78	-79.83	-68.53	5.85	12.60	V
	5640	-59.73	-13	-46.73	-81.96	-65.53	7.30	13.10	V
	7520	-54.45	-13	-41.45	-81.74	-57.60	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	3760	-62.46	-13	-49.46	-80.58	-69.31	5.65	12.50	H
	5640	-59.24	-13	-46.24	-82.22	-64.91	7.13	12.80	H
	7520	-54.43	-13	-41.43	-81.74	-57.83	8.40	11.80	H
	3760	-61.80	-13	-48.80	-79.85	-68.65	5.65	12.50	V
	5640	-60.12	-13	-47.12	-82.35	-65.79	7.13	12.80	V
	7520	-54.54	-13	-41.54	-81.83	-57.94	8.40	11.80	V

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