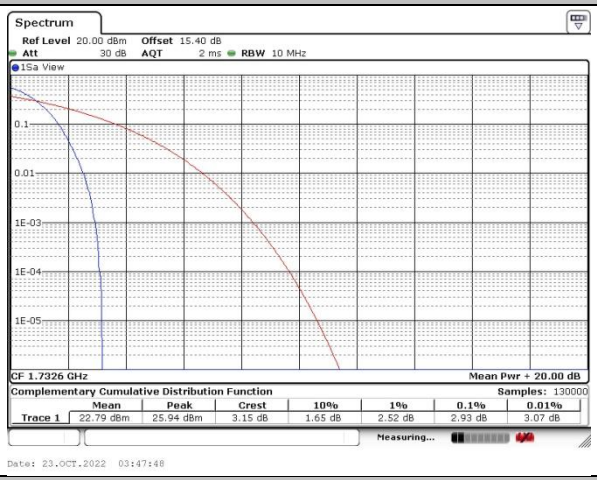
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel

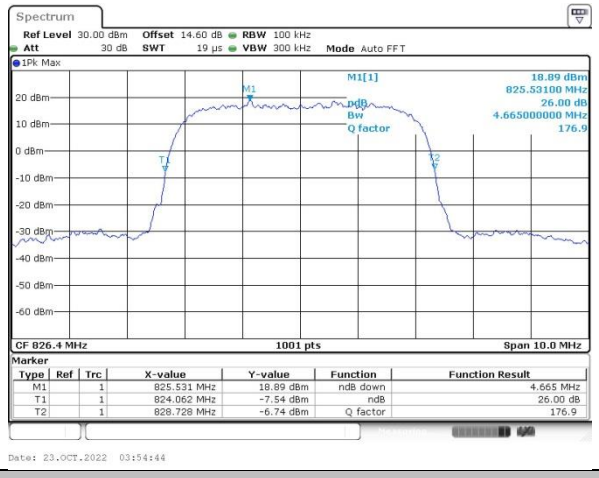
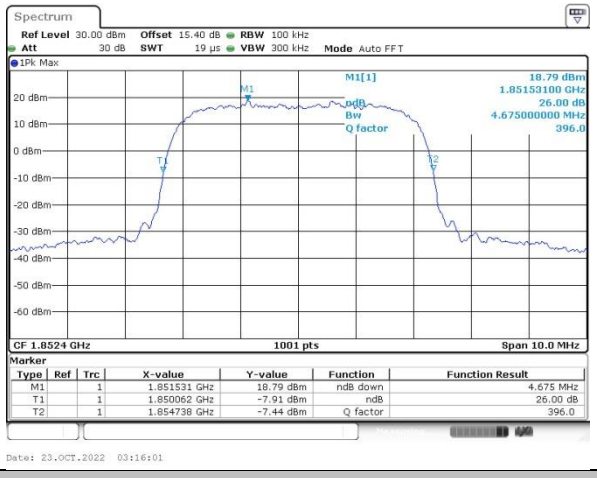
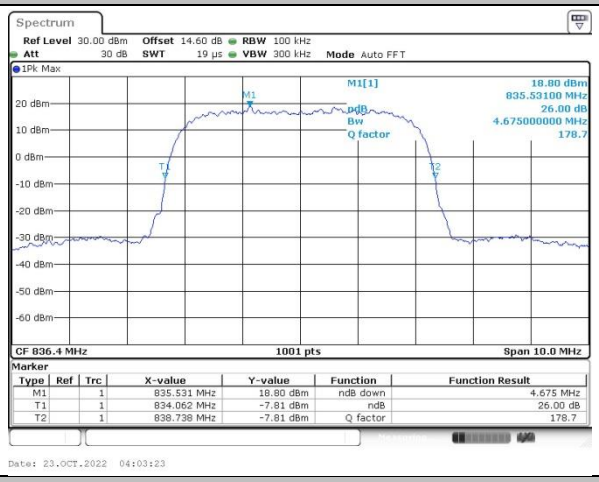
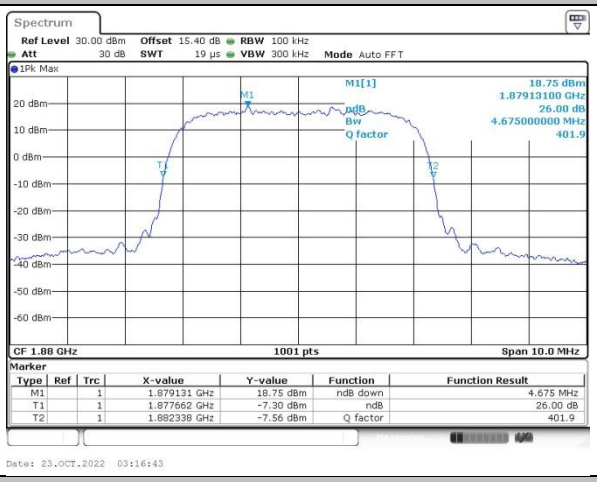
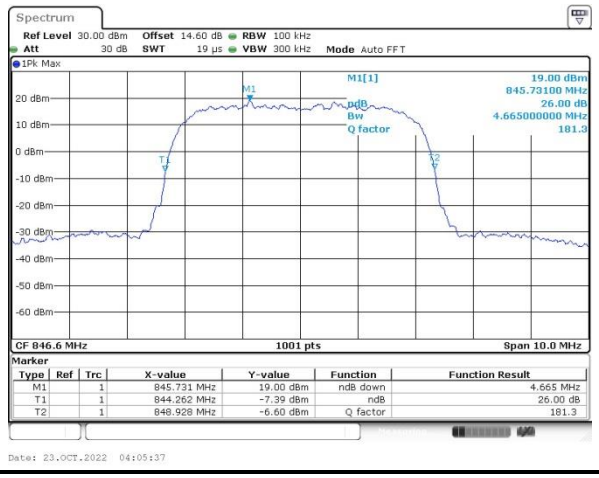
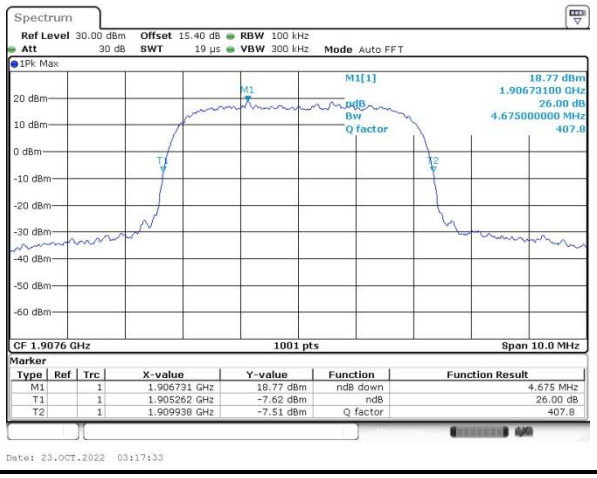
Middle Channel



Highest Channel

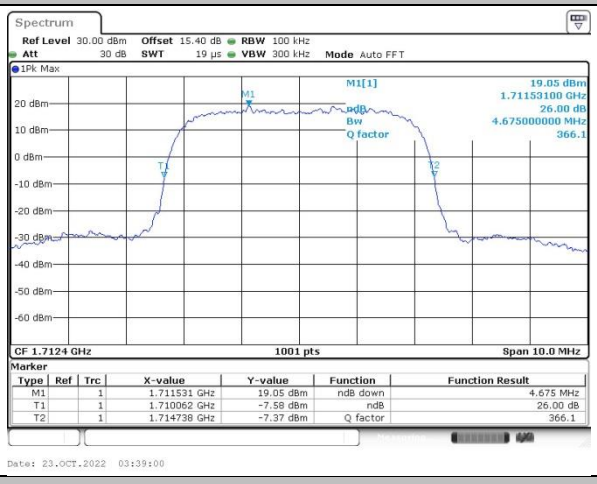
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.665	4.675	4.675
Middle CH	4.675	4.675	4.675
Highest CH	4.665	4.675	4.675

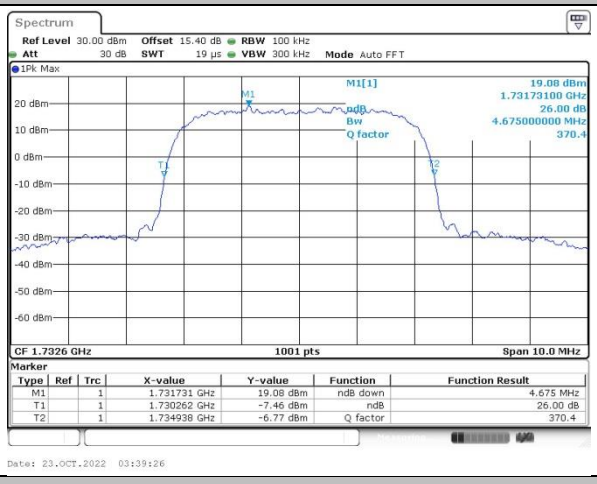
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channl	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

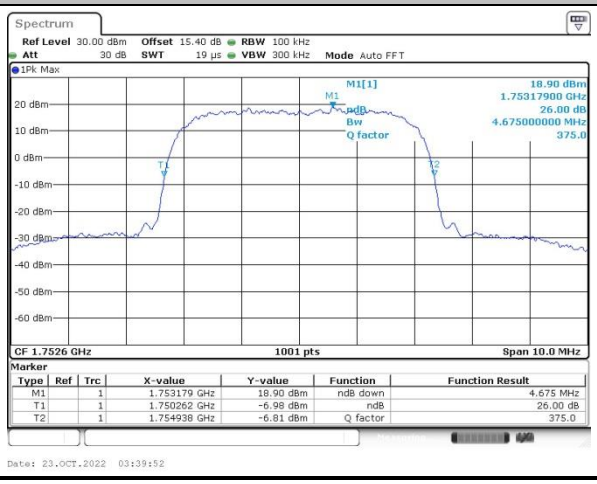
Lowest Channel



Middle Channel

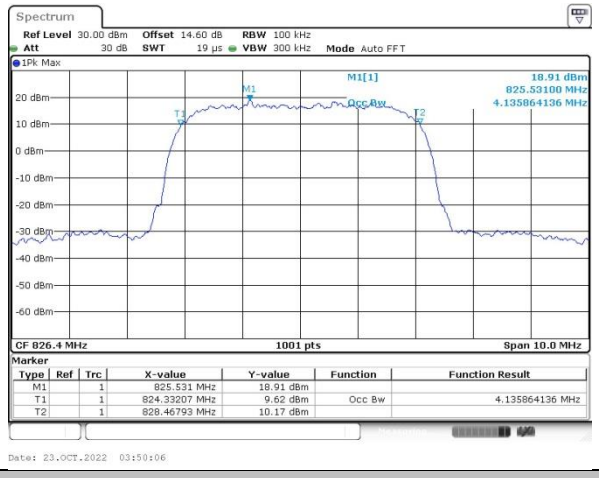
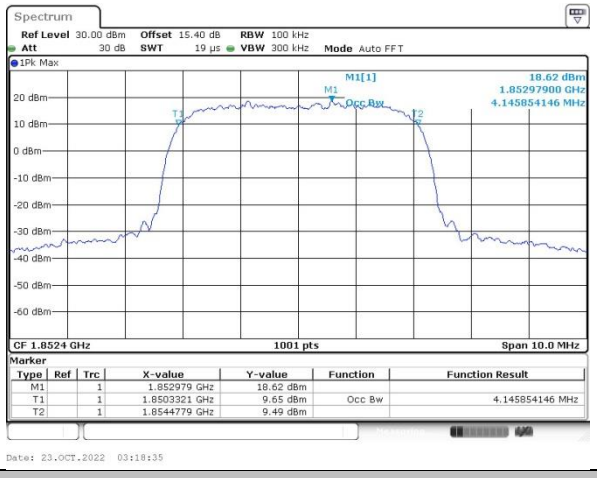
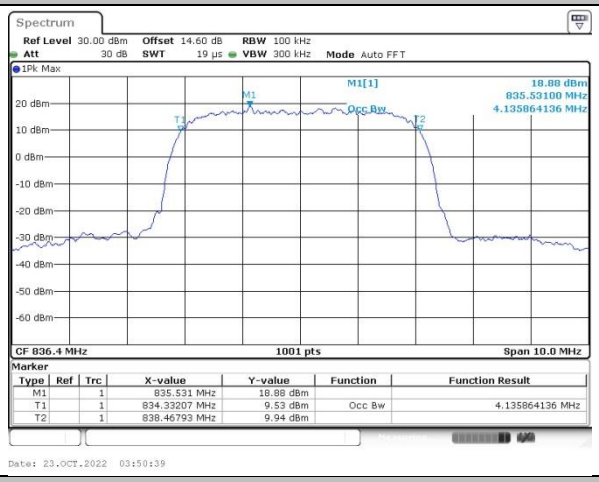
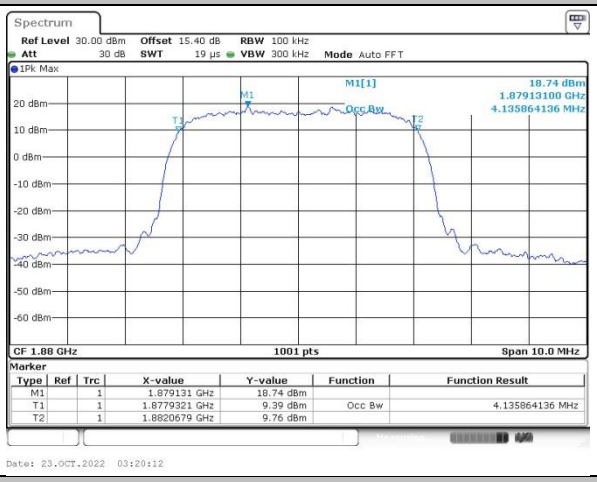
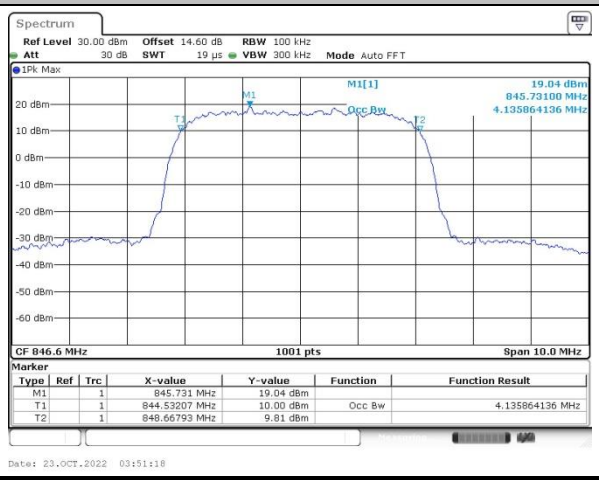
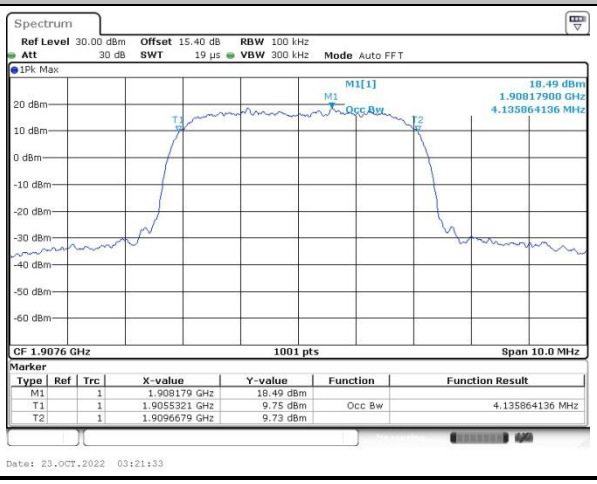


Highest Channel

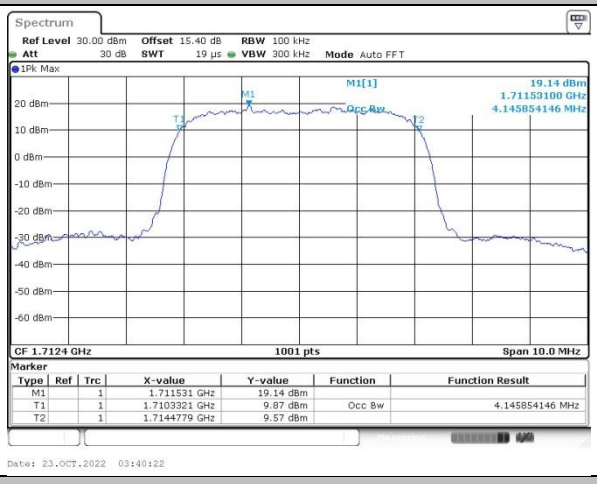


Occupied Bandwidth

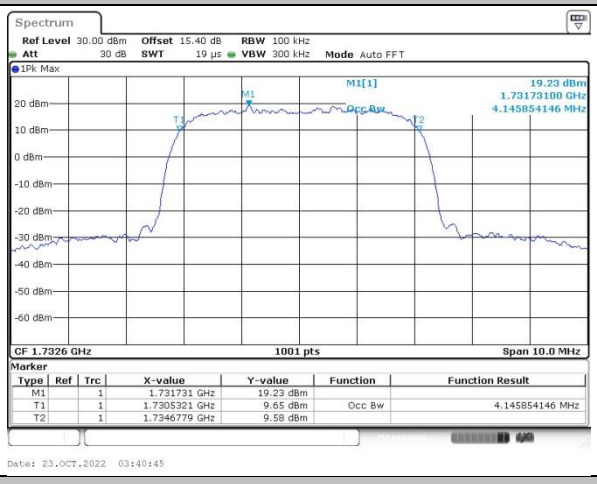
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.146	4.146
Middle CH	4.136	4.136	4.146
Highest CH	4.136	4.136	4.146

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

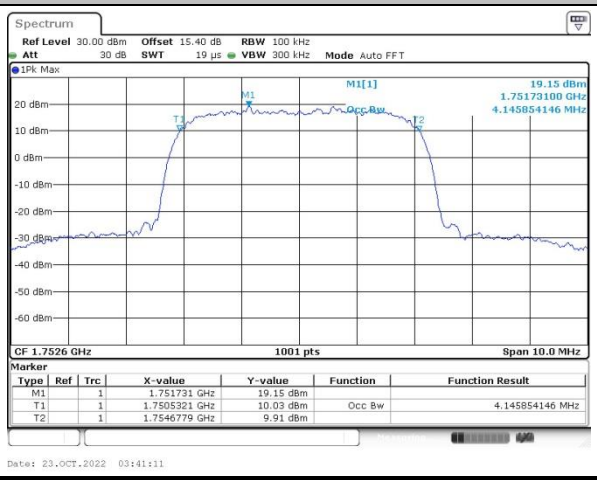
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel



Middle Channel



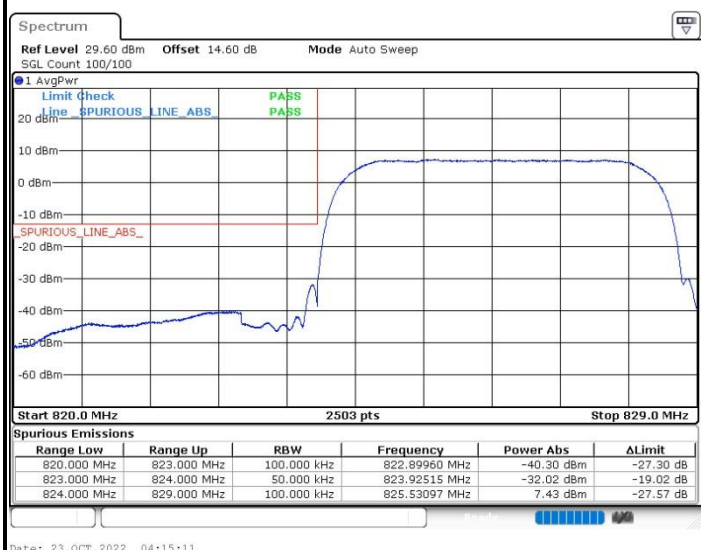
Highest Channel



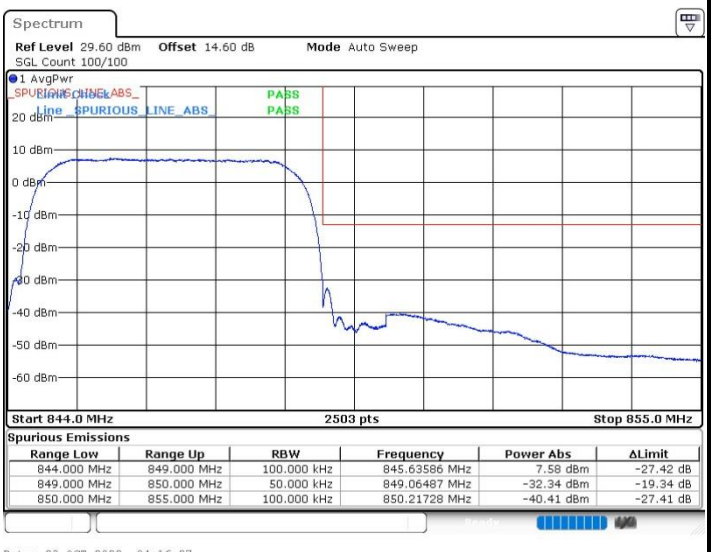
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

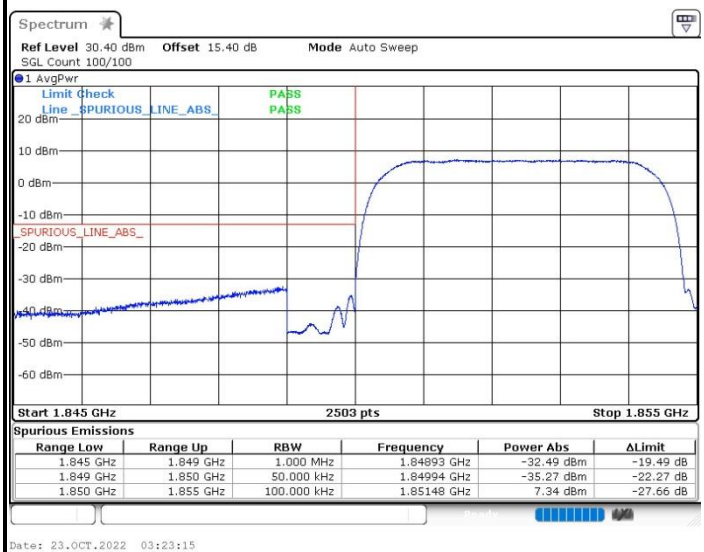


Highest Band Edge

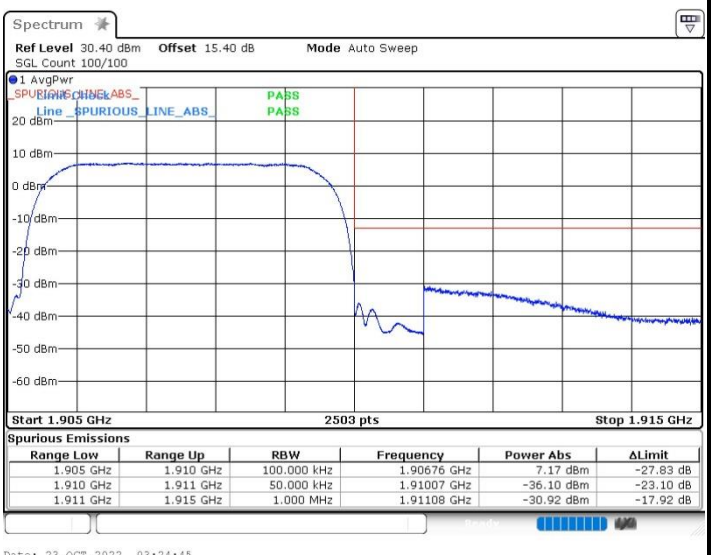


WCDMA Band II (RMC 12.2Kbps)

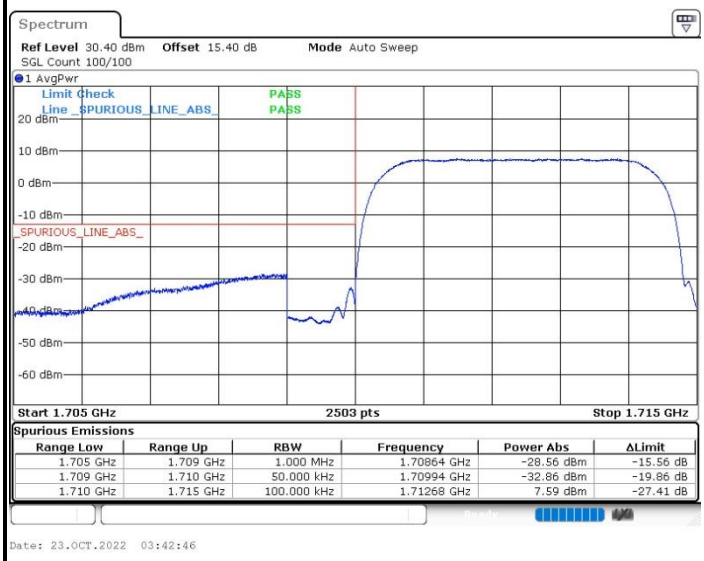
Lowest Band Edge

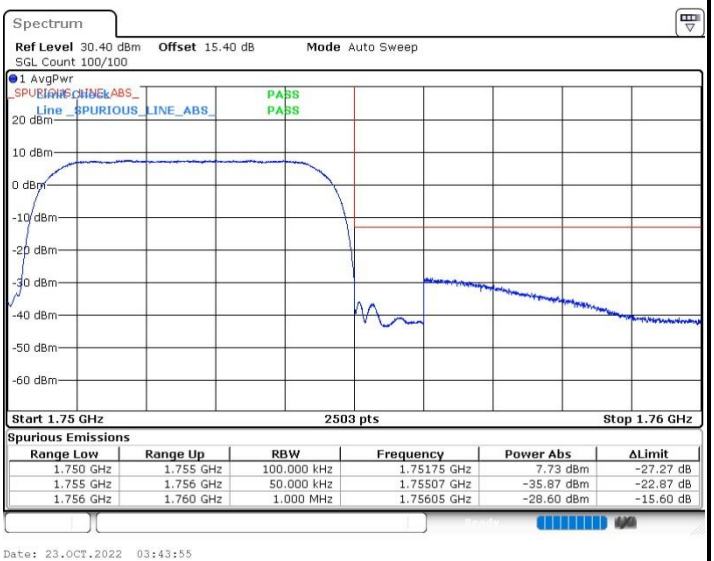


Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

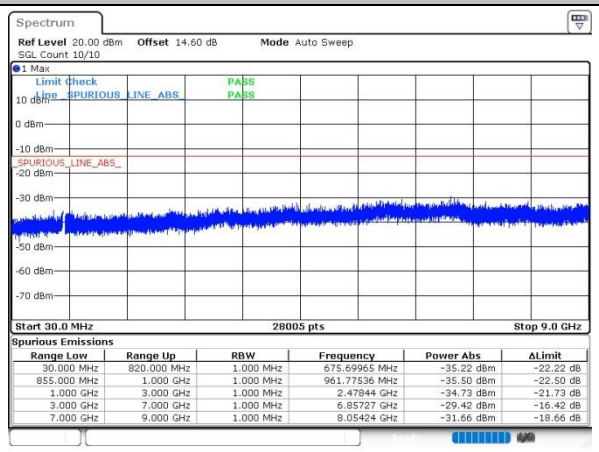




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

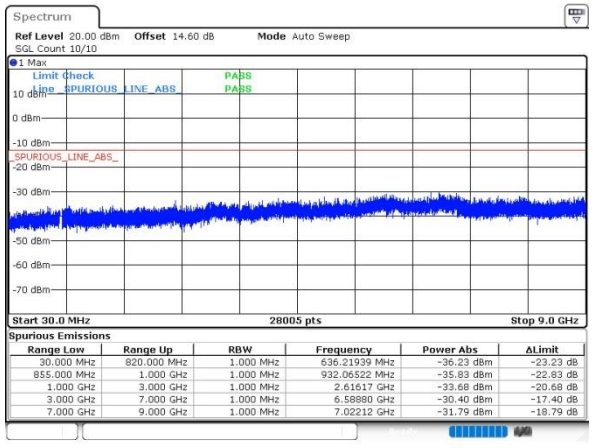


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	675.69965 MHz	-35.22 dBm	-22.22 dB
855.000 MHz	1.000 GHz	1.000 MHz	961.77536 MHz	-35.50 dBm	-22.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.47844 GHz	-34.73 dBm	-21.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85727 GHz	-29.42 dBm	-16.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.05424 GHz	-31.66 dBm	-18.66 dB

Date: 23.OCT.2022 04:17:42

Middle Channel

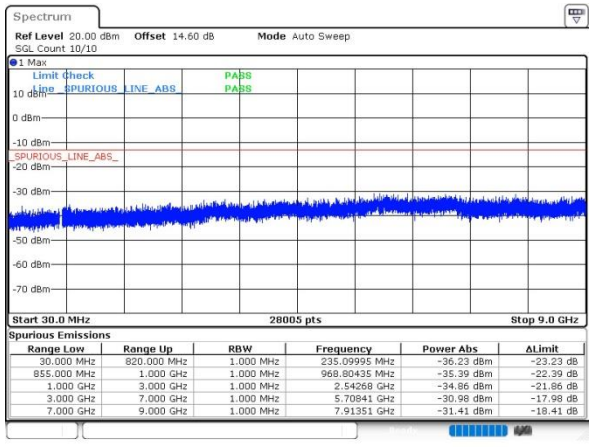


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	636.21939 MHz	-36.23 dBm	-23.23 dB
855.000 MHz	1.000 GHz	1.000 MHz	932.06522 MHz	-35.83 dBm	-22.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.61617 GHz	-33.68 dBm	-20.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.58880 GHz	-30.40 dBm	-17.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02212 GHz	-31.79 dBm	-18.79 dB

Date: 23.OCT.2022 04:18:25

Highest Channel



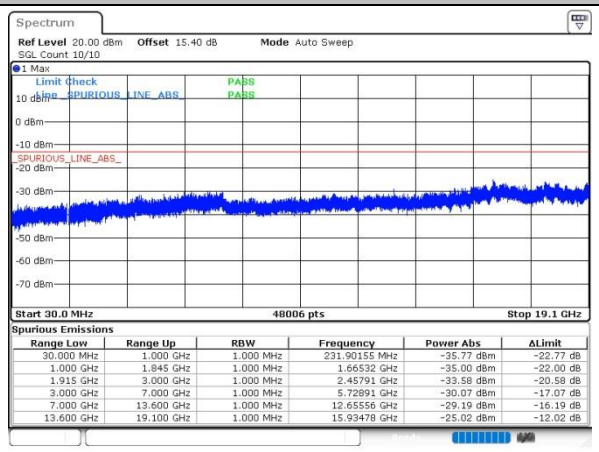
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	235.09995 MHz	-36.23 dBm	-23.23 dB
855.000 MHz	1.000 GHz	1.000 MHz	968.80435 MHz	-35.39 dBm	-22.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.54268 GHz	-34.86 dBm	-21.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.70841 GHz	-30.98 dBm	-17.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.91351 GHz	-31.41 dBm	-18.41 dB

Date: 23.OCT.2022 04:18:57

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

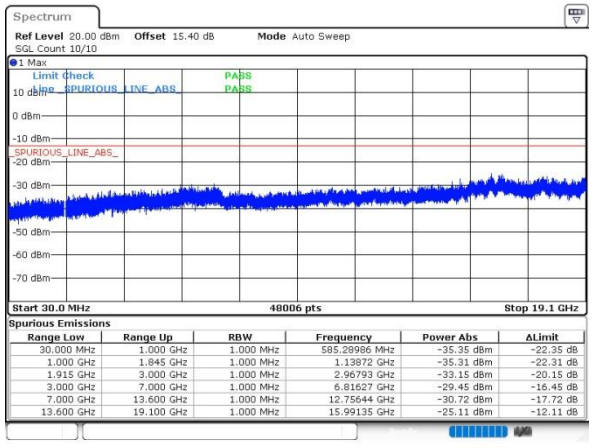


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	231.90155 MHz	-35.77 dBm	-22.77 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.66532 GHz	-35.00 dBm	-22.00 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.45791 GHz	-33.58 dBm	-20.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.72891 GHz	-30.07 dBm	-17.07 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.65556 GHz	-29.19 dBm	-16.19 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.93478 GHz	-25.02 dBm	-12.02 dB

Date: 23.OCT.2022 03:32:34

Middle Channel

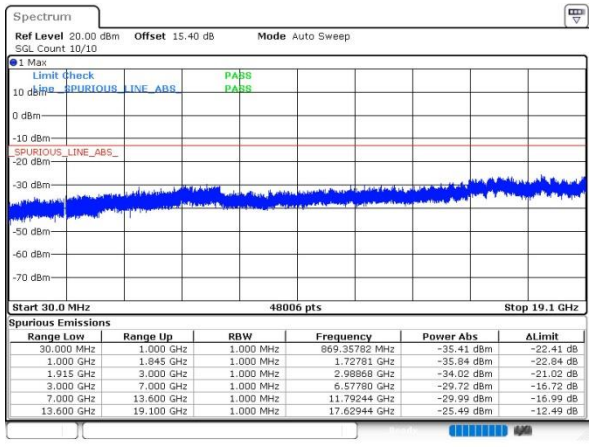


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	585.28986 MHz	-35.35 dBm	-22.35 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.13872 GHz	-35.31 dBm	-22.31 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.96793 GHz	-33.15 dBm	-20.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81627 GHz	-29.45 dBm	-16.45 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.75644 GHz	-30.72 dBm	-17.72 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.99135 GHz	-25.11 dBm	-12.11 dB

Date: 23.OCT.2022 03:32:59

Highest Channel



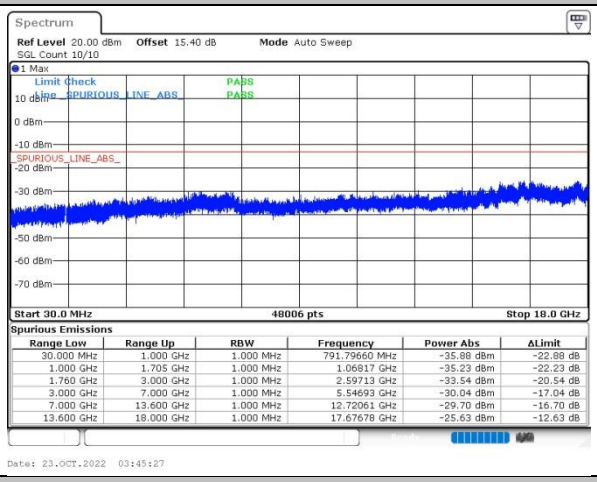
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.35782 MHz	-35.41 dBm	-22.41 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.72781 GHz	-35.84 dBm	-22.84 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.98868 GHz	-34.02 dBm	-21.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.57780 GHz	-29.72 dBm	-16.72 dB
7.000 GHz	13.600 GHz	1.000 MHz	11.79244 GHz	-29.99 dBm	-16.99 dB
13.600 GHz	19.100 GHz	1.000 MHz	17.62944 GHz	-25.49 dBm	-12.49 dB

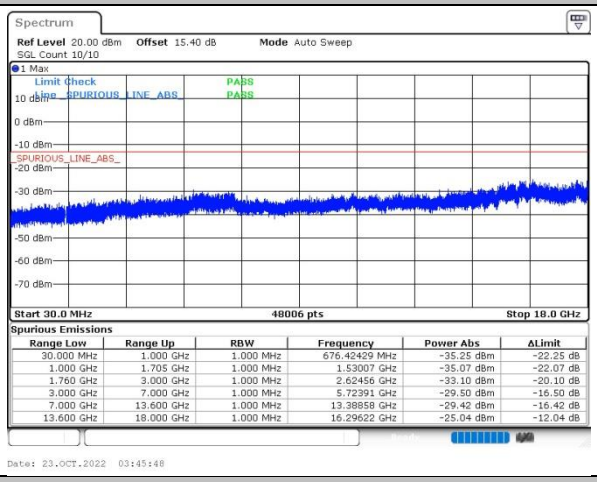
Date: 23.OCT.2022 03:33:28

WCDMA Band IV (RMC 12.2Kbps)

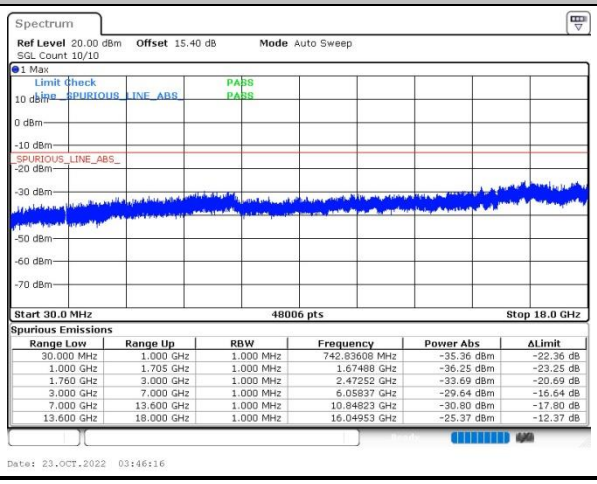
Lowest Channel



Middle Channel



Highest Channel



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	0.0029	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0013	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0012	
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	0.0038	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.87V ; 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 :	Zhaohui Liang	Temperature :	22~25℃
		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	-50.12	-13	-37.12	-61.83	-53.37	4.00	9.40	H
	2509.2	-46.42	-13	-33.42	-65.32	-49.99	4.88	10.60	H
	3345.6	-58.31	-13	-45.31	-79.38	-63.24	5.52	12.60	H
	1672.8	-49.09	-13	-36.09	-61.51	-52.34	4.00	9.40	V
	2509.2	-38.75	-13	-25.75	-57.86	-42.32	4.88	10.60	V
	3345.6	-55.03	-13	-42.03	-76.40	-59.96	5.52	12.60	V

GSM850 (EDGE)									
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	-56.64	-13	-43.64	-68.35	-59.89	4.00	9.40	H
	2509.2	-51.46	-13	-38.46	-70.36	-55.03	4.88	10.60	H
	3345.6	-58.50	-13	-45.50	-79.57	-63.43	5.52	12.60	H
	1672.8	-52.84	-13	-39.84	-65.26	-56.09	4.00	9.40	V
	2509.2	-45.80	-13	-32.80	-64.91	-49.37	4.88	10.60	V
	3345.6	-54.96	-13	-41.96	-76.33	-59.89	5.52	12.60	V

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	-55.42	-13	-42.42	-77.76	-62.17	5.85	12.60	H
	5640	-49.12	-13	-36.12	-73.24	-54.92	7.30	13.10	H
	7520	-55.48	-13	-42.48	-81.76	-58.63	8.35	11.50	H
	3760	-51.59	-13	-38.59	-77.09	-58.34	5.85	12.60	V
	5640	-46.70	-13	-33.70	-70.97	-52.50	7.30	13.10	V
	7520	-55.12	-13	-42.12	-81.38	-58.27	8.35	11.50	V
	3760	-55.42	-13	-42.42	-77.76	-62.17	5.85	12.60	H

GSM1900 (EDGE)									
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	-56.47	-13	-43.47	-78.81	-63.22	5.85	12.60	H
	5640	-57.16	-13	-44.16	-81.28	-62.96	7.30	13.10	H
	7520	-54.80	-13	-41.80	-81.08	-57.95	8.35	11.50	H
	3760	-54.59	-13	-41.59	-80.09	-61.34	5.85	12.60	V
	5640	-56.71	-13	-43.71	-80.98	-62.51	7.30	13.10	V
	7520	-54.24	-13	-41.24	-80.5	-57.39	8.35	11.50	V

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	-65.01	-13	-52.01	-76.72	-68.26	4.00	9.40	H
	2509.2	-59.51	-13	-46.51	-78.41	-63.08	4.88	10.60	H
	3345.6	-58.37	-13	-45.37	-79.44	-63.30	5.52	12.60	H
	1672.8	-64.27	-13	-51.27	-76.69	-67.52	4.00	9.40	V
	2509.2	-59.60	-13	-46.60	-78.71	-63.17	4.88	10.60	V
	3345.6	-58.04	-13	-45.04	-79.41	-62.97	5.52	12.60	V

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	-57.40	-13	-44.40	-79.74	-64.15	5.85	12.60	H
	5640	-57.11	-13	-44.11	-81.23	-62.91	7.30	13.10	H
	7520	-55.83	-13	-42.83	-82.11	-58.98	8.35	11.50	H
	3760	-54.85	-13	-41.85	-80.35	-61.60	5.85	12.60	V
	5640	-56.91	-13	-43.91	-81.18	-62.71	7.30	13.10	V
	7520	-55.89	-13	-42.89	-82.15	-59.04	8.35	11.50	V

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	-58.19	-13	-45.19	-80.14	-65.04	5.65	12.50	H
	5197.8	-57.58	-13	-44.58	-81.74	-63.25	7.13	12.80	H
	6930.4	-56.28	-13	-43.28	-81.98	-59.68	8.40	11.80	H
	3465.2	-57.94	-13	-44.94	-79.69	-64.79	5.65	12.50	V
	5197.8	-57.58	-13	-44.58	-82.01	-63.25	7.13	12.80	V
	6930.4	-55.19	-13	-42.19	-81.81	-58.59	8.40	11.80	V

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