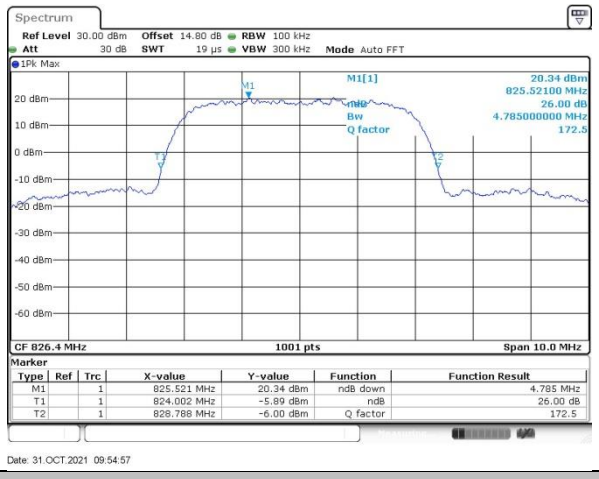
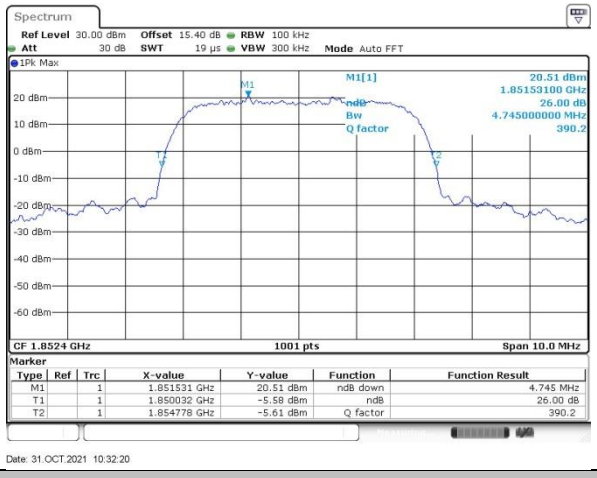
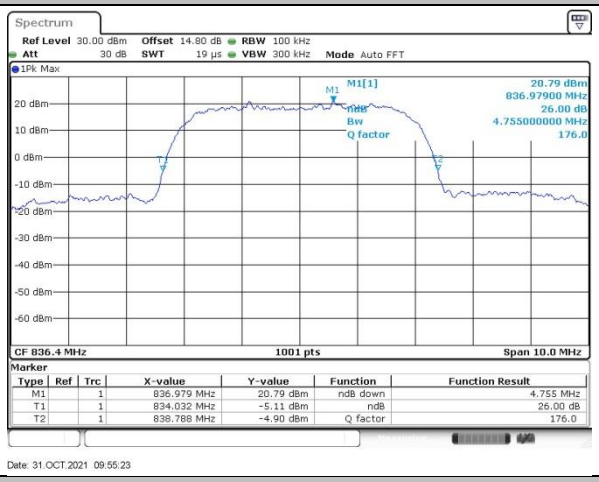
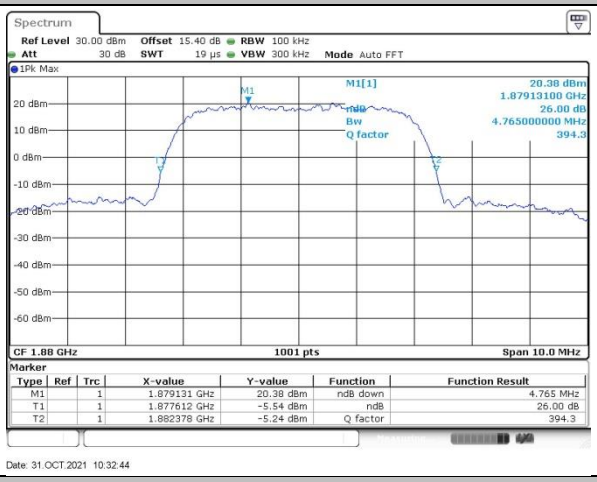
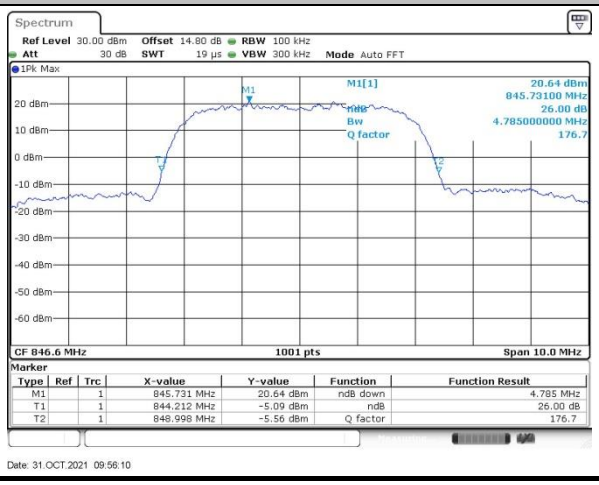
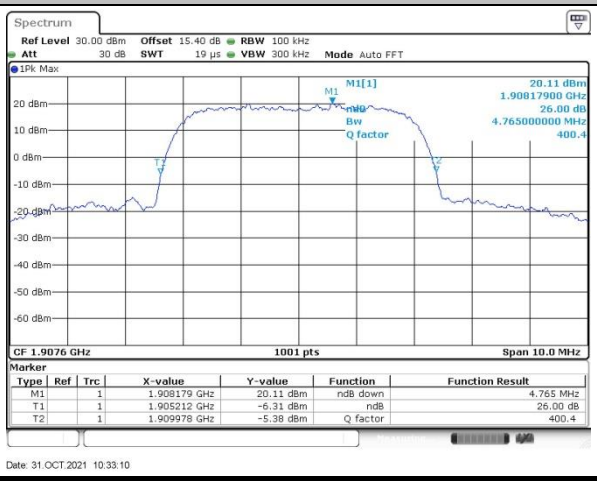
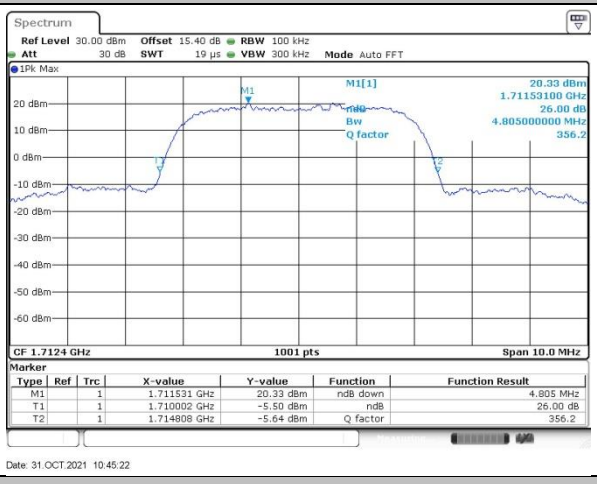
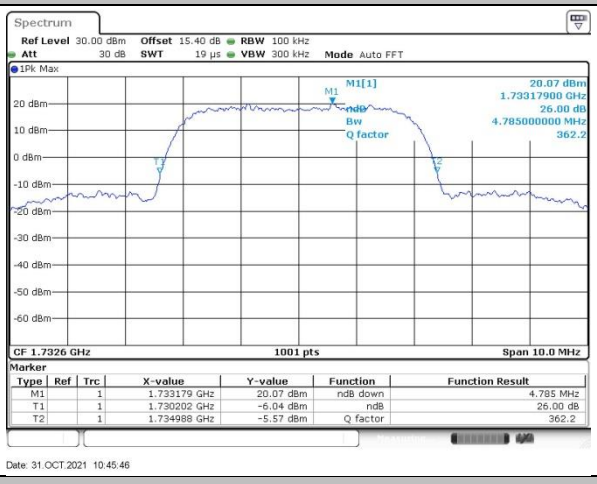
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

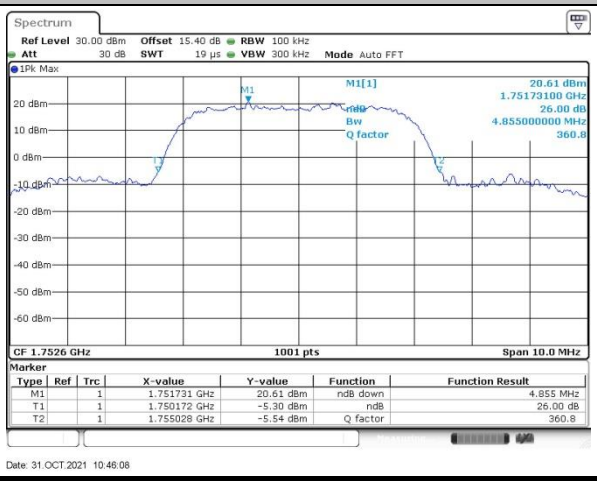
Lowest Channel



Middle Channel

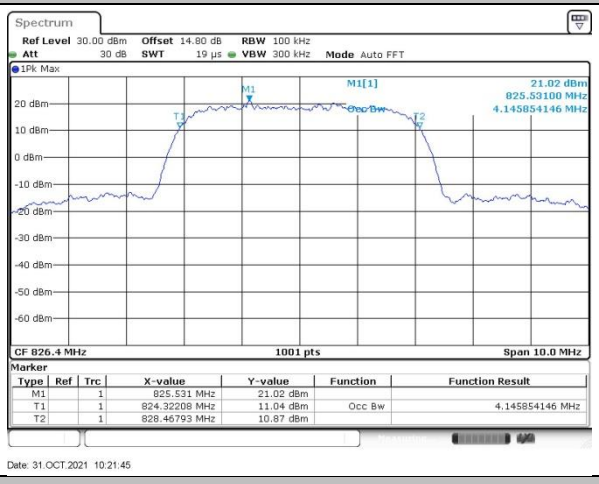
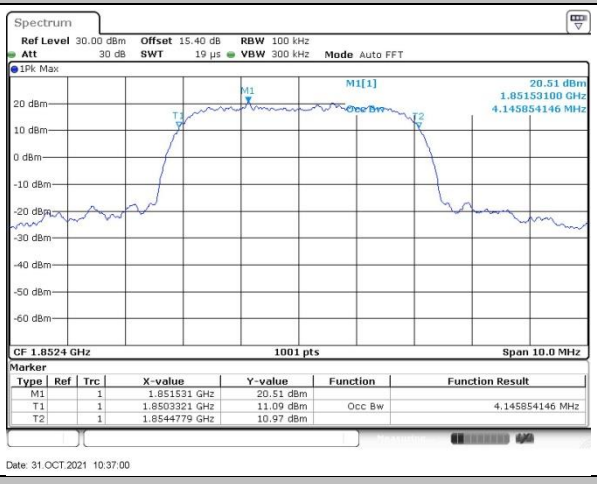
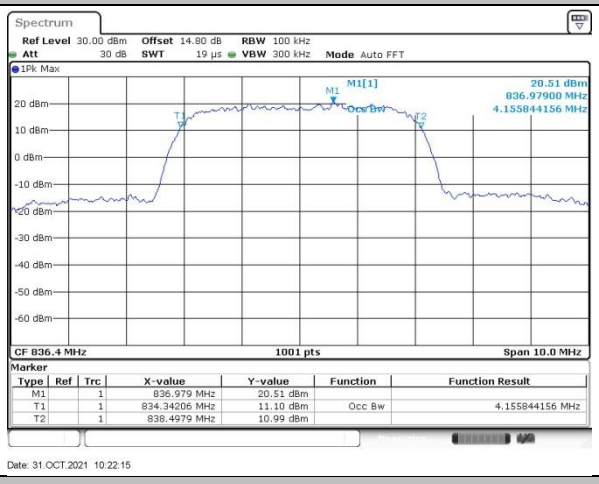
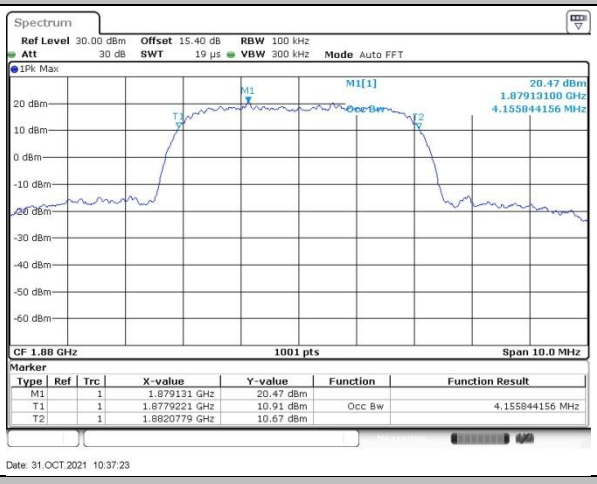
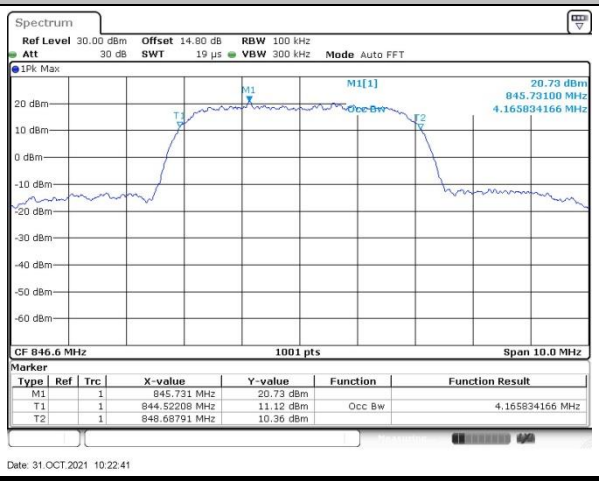
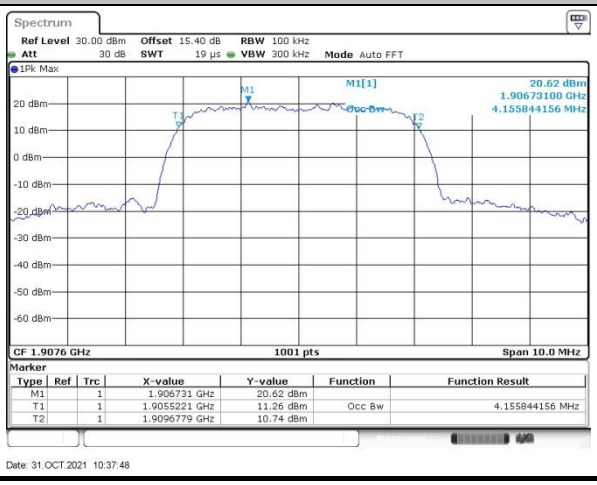


Highest Channel



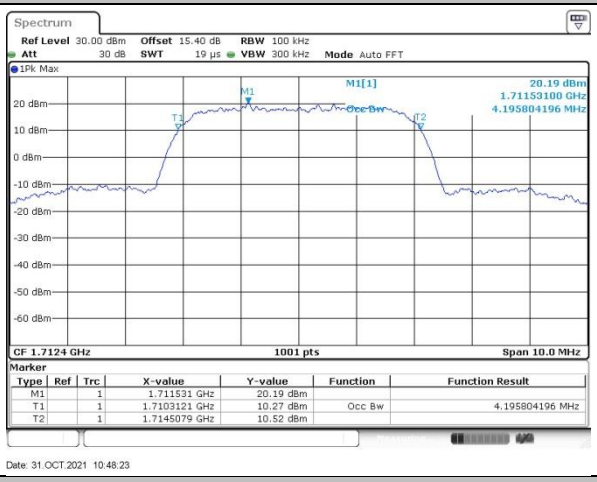
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.15	4.20
Middle CH	4.16	4.16	4.18
Highest CH	4.17	4.16	4.21

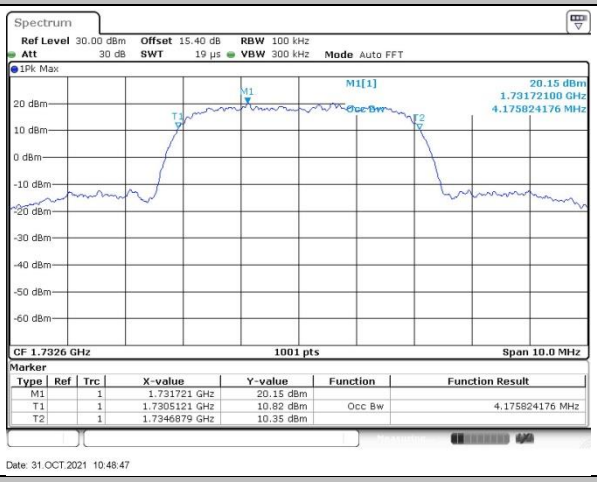
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

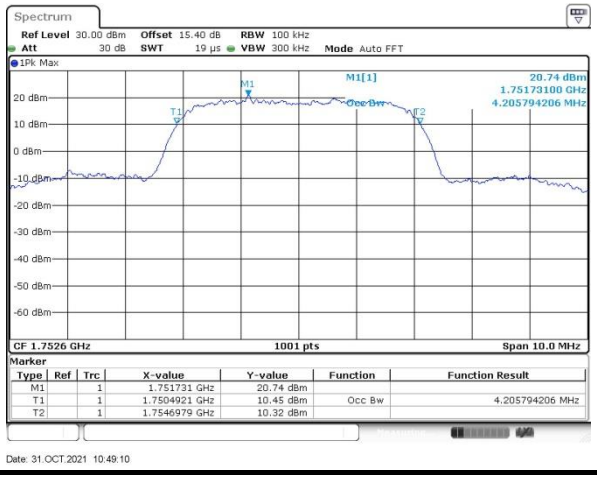
Lowest Channel



Middle Channel



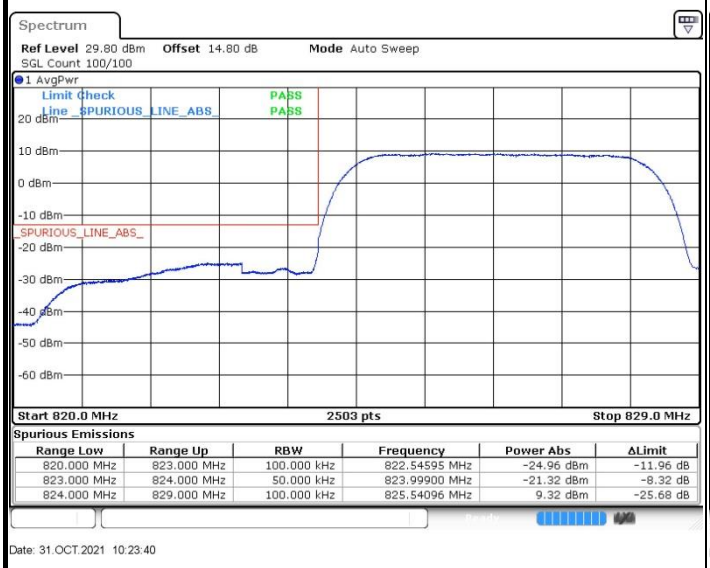
Highest Channel



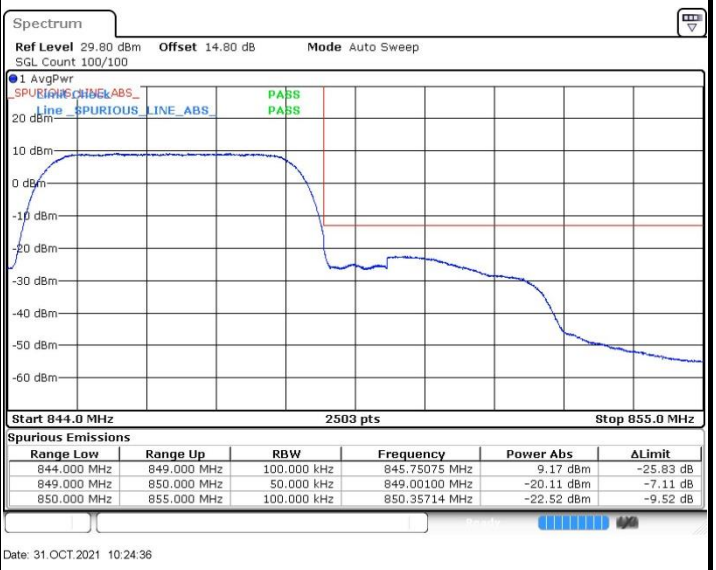
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

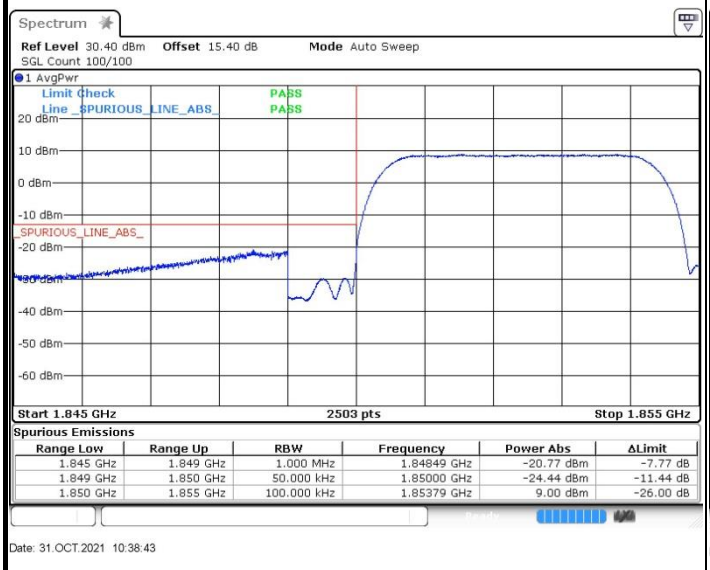


Highest Band Edge

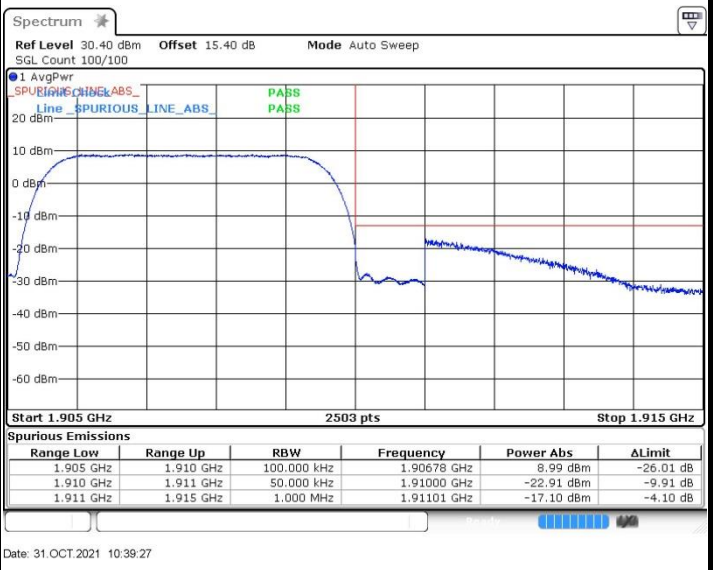


WCDMA Band II (RMC 12.2Kbps)

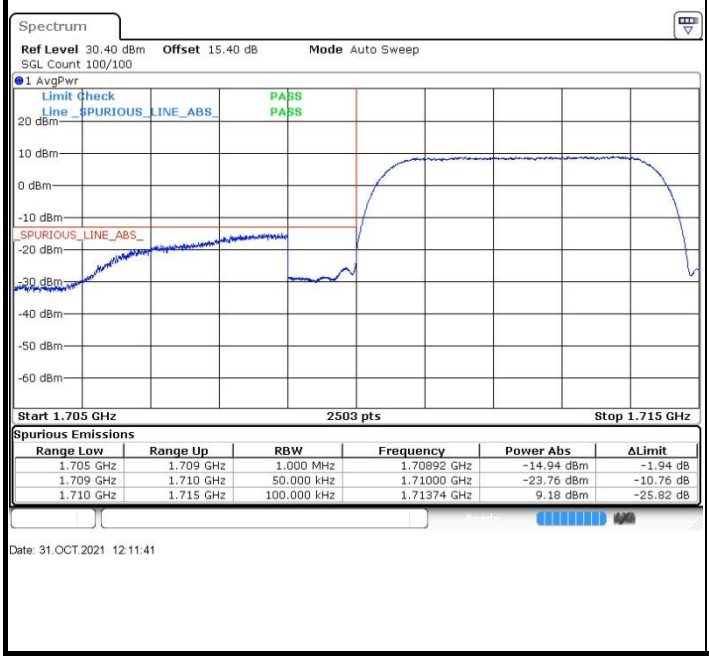
Lowest Band Edge

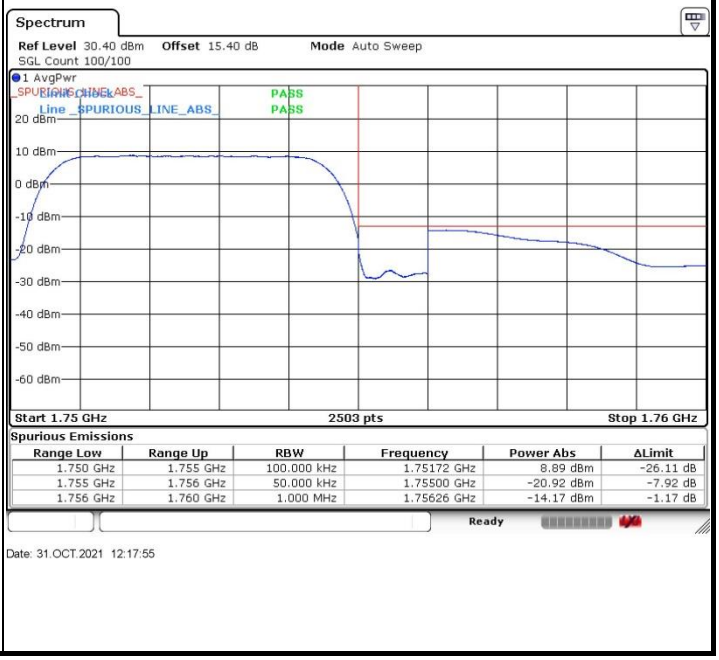


Highest Band Edge



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

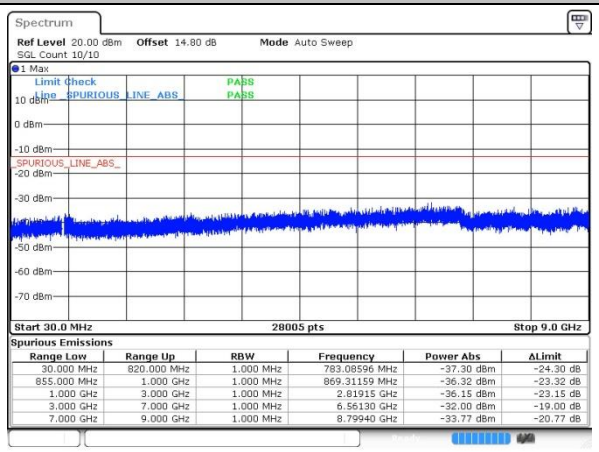




Conducted Spurious Emission

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	783.08596 MHz	-37.30 dBm	-24.30 dB
855.000 MHz	1.000 GHz	1.000 MHz	869.31159 MHz	-36.32 dBm	-23.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.81915 GHz	-36.15 dBm	-23.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.56130 GHz	-32.00 dBm	-19.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79940 GHz	-33.77 dBm	-20.77 dB

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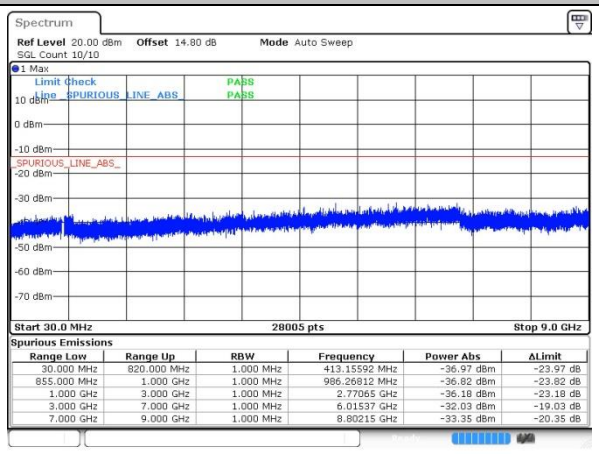
Middle Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	413.15592 MHz	-36.97 dBm	-23.97 dB
855.000 MHz	1.000 GHz	1.000 MHz	986.26812 MHz	-36.82 dBm	-23.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.77065 GHz	-36.18 dBm	-23.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.01537 GHz	-32.03 dBm	-19.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80215 GHz	-33.35 dBm	-20.35 dB

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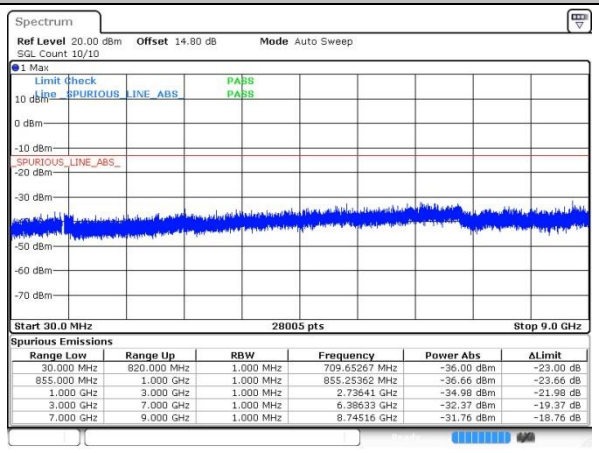
Highest Channel



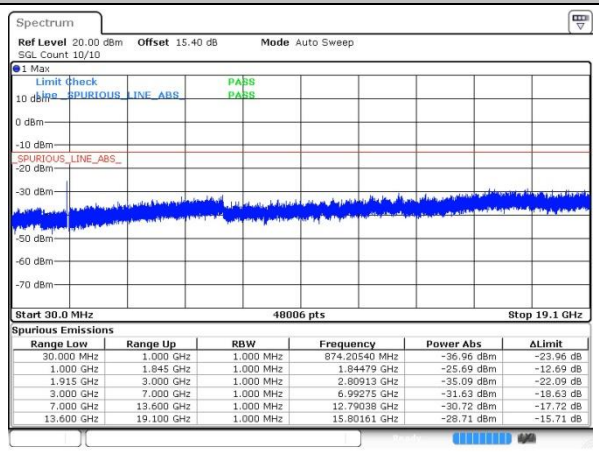
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	820.000 MHz	1.000 MHz	709.65267 MHz	-36.00 dBm	-23.00 dB
855.000 MHz	1.000 GHz	1.000 MHz	855.25362 MHz	-36.66 dBm	-23.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.73641 GHz	-34.98 dBm	-21.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.38633 GHz	-32.37 dBm	-19.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.74516 GHz	-31.76 dBm	-18.76 dB

Date: 31.OCT.2021 10:26:43

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

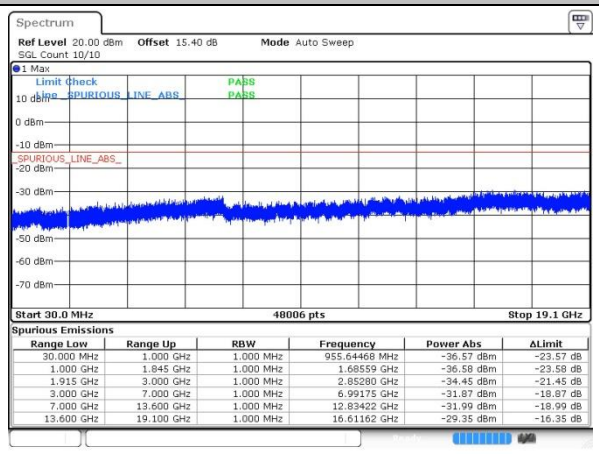


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.20540 MHz	-36.96 dBm	-23.96 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.84479 GHz	-25.69 dBm	-12.69 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.80913 GHz	-35.09 dBm	-22.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-31.63 dBm	-18.63 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.79038 GHz	-30.72 dBm	-17.72 dB
13.600 GHz	19.100 GHz	1.000 MHz	15.80161 GHz	-28.71 dBm	-15.71 dB

Date: 31.OCT.2021 10:39:56

Middle Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-36.57 dBm	-23.57 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.68559 GHz	-36.58 dBm	-23.58 dB
1.915 GHz	3.000 GHz	1.000 MHz	2.85280 GHz	-34.45 dBm	-21.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-31.87 dBm	-18.87 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.83422 GHz	-31.99 dBm	-18.99 dB
13.600 GHz	19.100 GHz	1.000 MHz	16.61162 GHz	-29.35 dBm	-16.35 dB

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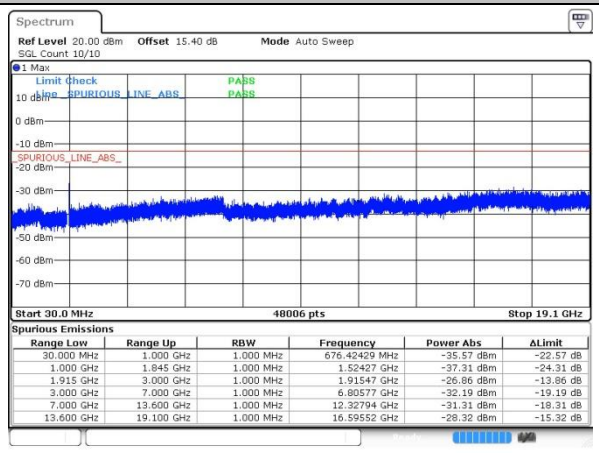
Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	676.42429 MHz	-35.57 dBm	-22.57 dB
1.000 GHz	1.845 GHz	1.000 MHz	1.52427 GHz	-37.31 dBm	-24.31 dB
1.915 GHz	3.000 GHz	1.000 MHz	1.91547 GHz	-26.86 dBm	-13.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80577 GHz	-32.19 dBm	-19.19 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.32794 GHz	-31.31 dBm	-18.31 dB
13.600 GHz	19.100 GHz	1.000 MHz	16.59552 GHz	-28.32 dBm	-15.32 dB

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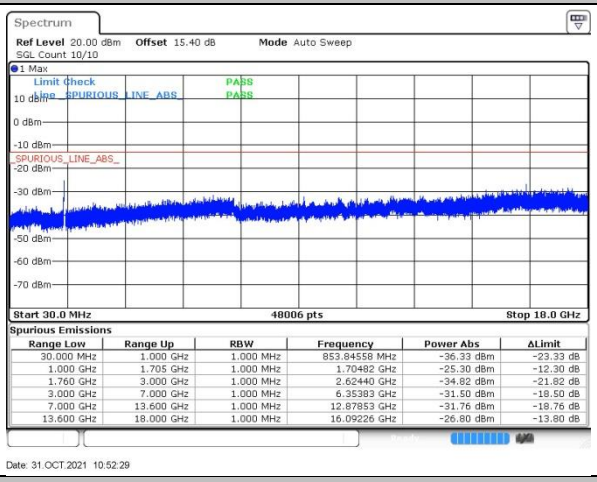
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel

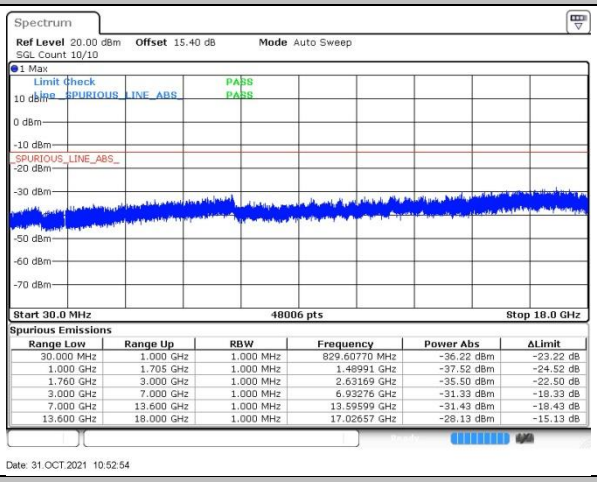


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.84558 MHz	-36.33 dBm	-23.33 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.70482 GHz	-25.30 dBm	-12.30 dB
1.760 GHz	3.000 GHz	1.000 MHz	2.62440 GHz	-34.82 dBm	-21.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.35383 GHz	-31.50 dBm	-18.50 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.87853 GHz	-31.76 dBm	-18.76 dB
13.600 GHz	18.000 GHz	1.000 MHz	16.09226 GHz	-26.80 dBm	-13.80 dB

Date: 31.OCT.2021 10:52:29

Middle Channel

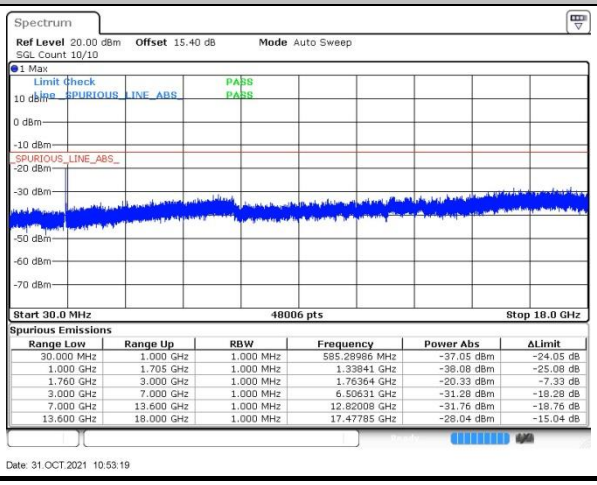


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	829.60770 MHz	-36.22 dBm	-23.22 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.48991 GHz	-37.52 dBm	-24.52 dB
1.760 GHz	3.000 GHz	1.000 MHz	2.63169 GHz	-35.50 dBm	-22.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93276 GHz	-31.33 dBm	-18.33 dB
7.000 GHz	13.600 GHz	1.000 MHz	13.59599 GHz	-31.43 dBm	-18.43 dB
13.600 GHz	18.000 GHz	1.000 MHz	17.02657 GHz	-28.13 dBm	-15.13 dB

Date: 31.OCT.2021 10:52:54

Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	585.28986 MHz	-37.05 dBm	-24.05 dB
1.000 GHz	1.705 GHz	1.000 MHz	1.33841 GHz	-38.08 dBm	-25.08 dB
1.760 GHz	3.000 GHz	1.000 MHz	1.76364 GHz	-20.33 dBm	-7.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.50631 GHz	-31.28 dBm	-18.28 dB
7.000 GHz	13.600 GHz	1.000 MHz	12.82008 GHz	-31.76 dBm	-18.76 dB
13.600 GHz	18.000 GHz	1.000 MHz	17.47785 GHz	-28.04 dBm	-15.04 dB

Date: 31.OCT.2021 10:53:19

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	0.0088	PASS
40	Normal Voltage	0.0255	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0263	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0122	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0174	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.89V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.3 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 :	Chris Chen	Temperature :	22~23℃
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

GSM850 (GSM) for 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	-63.03	-13	-50.03	-70.00	1.58	10.70	H
	2510	-43.83	-13	-30.83	-52.08	2.102	12.50	H
	3348	-59.44	-13	-46.44	-68.33	2.856	13.90	H
	1672	-61.60	-13	-48.60	-68.57	1.58	10.70	V
	2510	-40.17	-13	-27.17	-48.42	2.10	12.50	V
	3348	-59.32	-13	-46.32	-68.21	2.86	13.90	V

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

GSM850 (EDGE class 8) for 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	-64.19	-13	-51.19	-71.16	1.58	10.70	H
	2510	-53.30	-13	-40.30	-61.55	2.102	12.50	H
	3348	-61.70	-13	-48.70	-70.59	2.856	13.90	H
	1672	-62.10	-13	-49.10	-69.07	1.58	10.70	V
	2510	-51.89	-13	-38.89	-60.14	2.10	12.50	V
	3348	-61.80	-13	-48.80	-70.69	2.86	13.90	V

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

GSM1900 (GSM) for Ant.3								
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	3759	-55.63	-13	-42.63	-67.89	2.641	14.90	H
	5640	-56.85	-13	-43.85	-68.71	2.94	14.80	H
	7524	-55.03	-13	-42.03	-64.80	3.39	13.16	H
	3759	-54.47	-13	-41.47	-66.73	2.64	14.90	V
	5640	-57.80	-13	-44.80	-69.66	2.94	14.80	V
	7524	-55.24	-13	-42.24	-65.01	3.39	13.16	V

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

GSM1900 (EDGE class 8) for Ant.3								
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	3759	-57.54	-13	-44.54	-69.80	2.641	14.90	H
	5640	-57.70	-13	-44.70	-69.56	2.94	14.80	H
	7524	-55.02	-13	-42.02	-64.79	3.39	13.16	H
	3759	-58.53	-13	-45.53	-70.79	2.64	14.90	V
	5640	-57.99	-13	-44.99	-69.85	2.94	14.80	V
	7524	-54.80	-13	-41.80	-64.57	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) for 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	-66.51	-13	-53.51	-73.48	1.58	10.70	H
	2510	-61.95	-13	-48.95	-70.20	2.102	12.50	H
	3348	-61.43	-13	-48.43	-70.32	2.856	13.90	H
	1672	-65.40	-13	-52.40	-72.37	1.58	10.70	V
	2510	-61.32	-13	-48.32	-69.57	2.10	12.50	V
	3348	-61.98	-13	-48.98	-70.87	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) for Ant.3								
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	3759	-58.97	-13	-45.97	-71.23	2.64	14.90	H
	5640	-57.49	-13	-44.49	-69.35	2.94	14.80	H
	7524	-55.08	-13	-42.08	-64.85	3.39	13.16	H
	3759	-58.65	-13	-45.65	-70.91	2.64	14.90	V
	5640	-58.04	-13	-45.04	-69.90	2.94	14.80	V
	7524	-54.98	-13	-41.98	-64.75	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) for Ant.3								
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	-59.86	-13	-46.86	-70.60	2.604	13.34	H
	5199	-57.86	-13	-44.86	-68.37	3.011	13.52	H
	6936	-56.19	-13	-43.19	-66.39	3.271	13.47	H
	3465	-60.25	-13	-47.25	-70.99	2.604	13.34	V
	5199	-58.18	-13	-45.18	-68.69	3.011	13.52	V
	6936	-56.45	-13	-43.45	-66.65	3.271	13.47	V

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