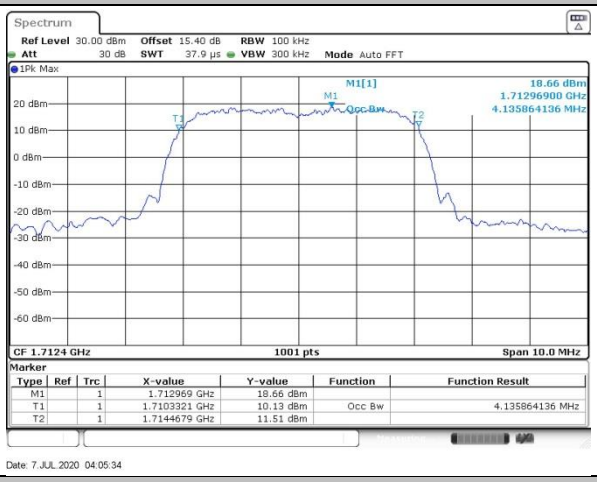
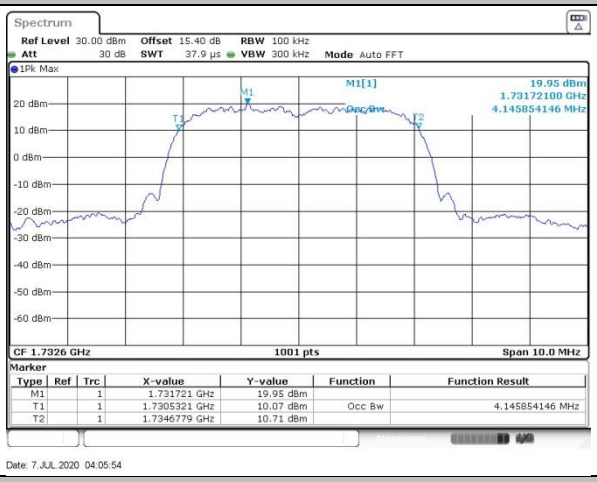
WCDMA Band IV (RMC 12.2Kbps)

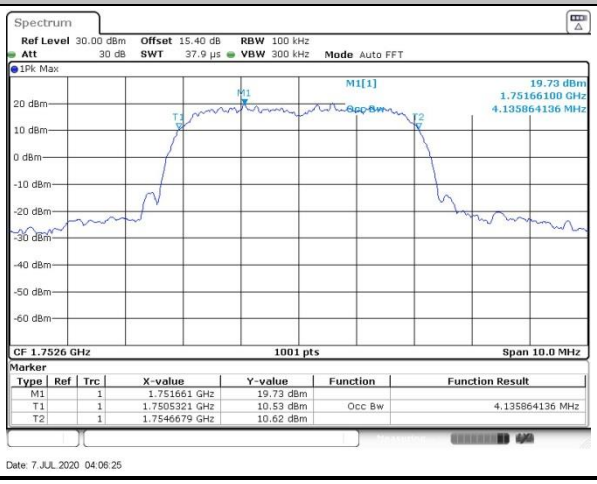
Lowest Channel



Middle Channel



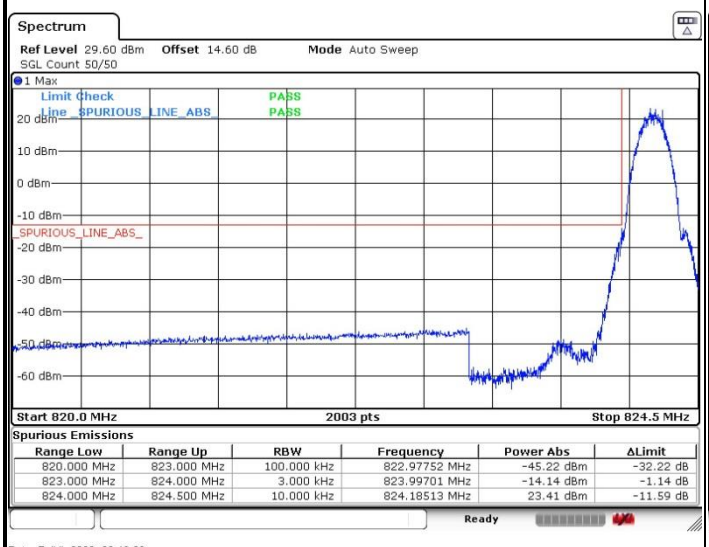
Highest Channel



Conducted Band Edge

GSM850 (GSM)

Lowest Band Edge



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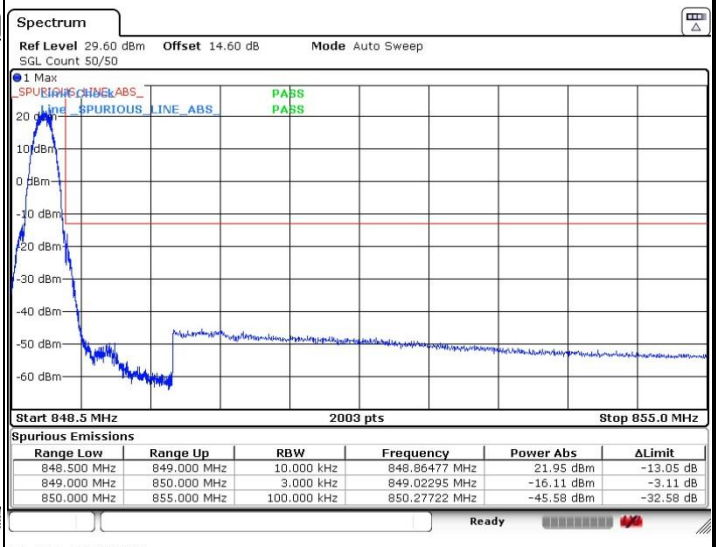
Highest Band Edge



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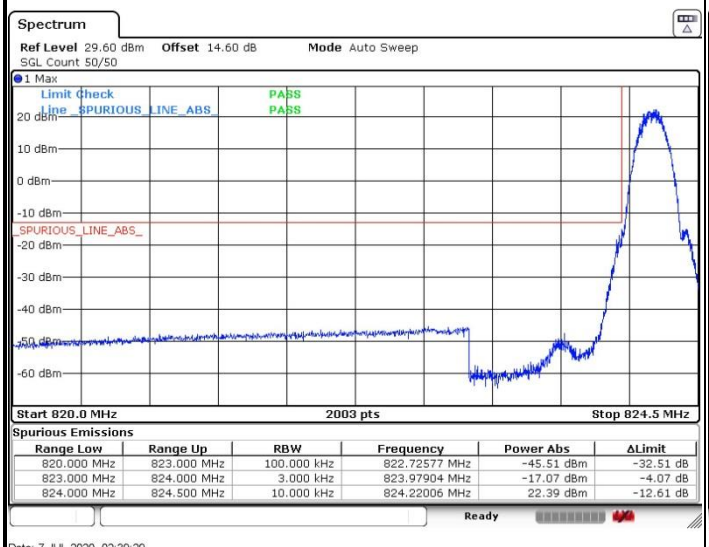
GSM850 (GPRS class 8)

Lowest Band Edge



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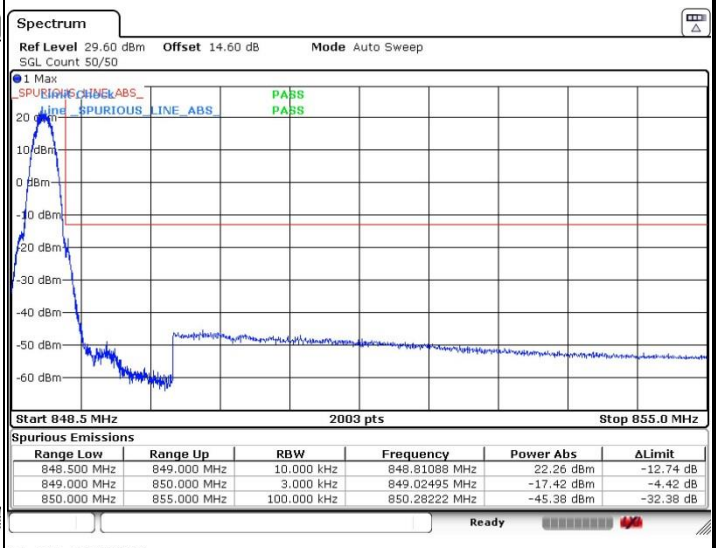
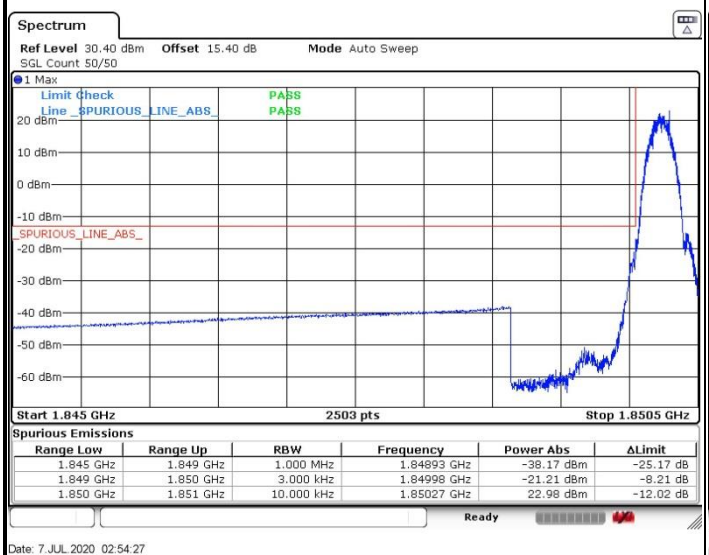
Highest Band Edge



Date: 7.JUL.2020 02:31:10

GSM1900 (GSM)

Lowest Band Edge



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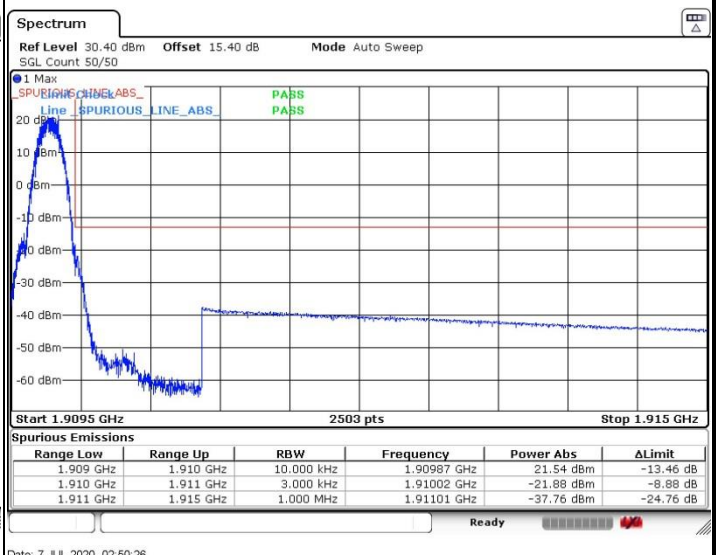
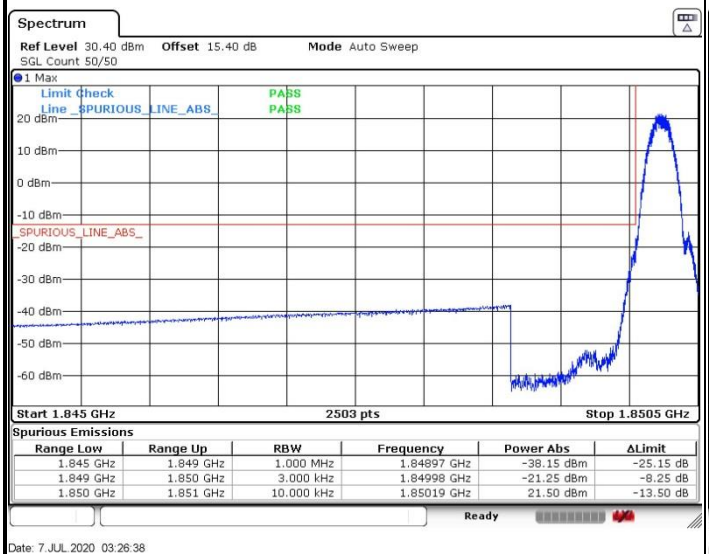
Highest Band Edge



Date: 7.JUL.2020 02:50:26

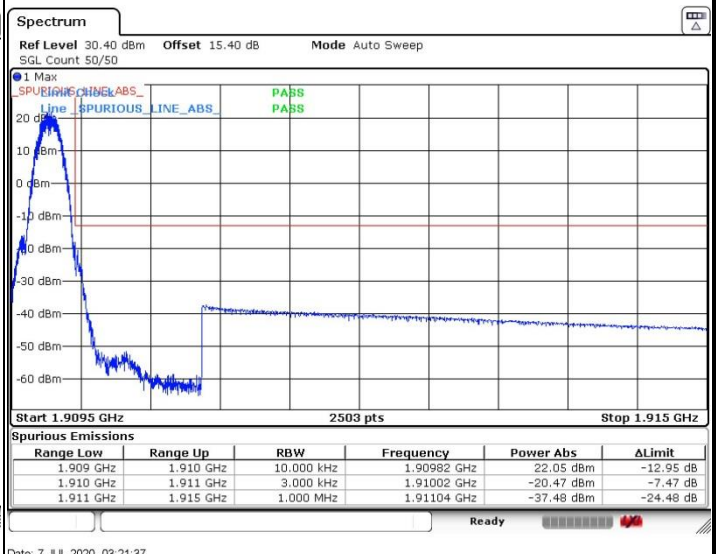
GSM1900 (GPRS class 8)

Lowest Band Edge



Date: 7.JUL.2020 03:26:38

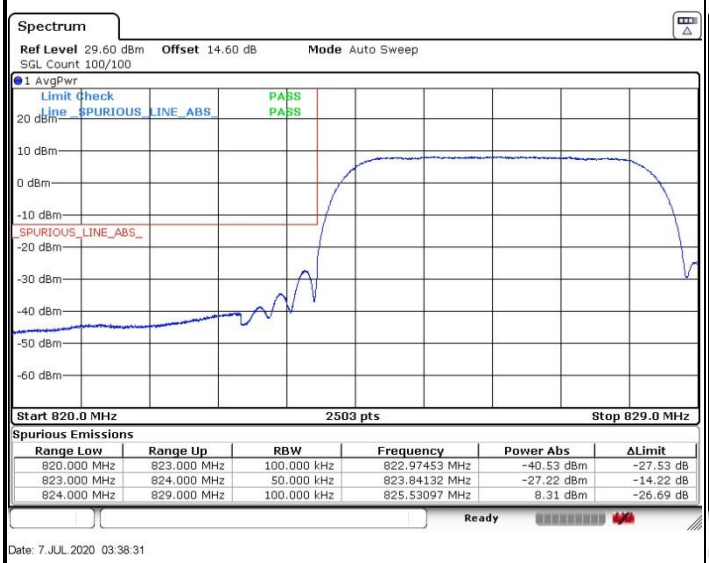
Highest Band Edge



Date: 7.JUL.2020 03:21:37

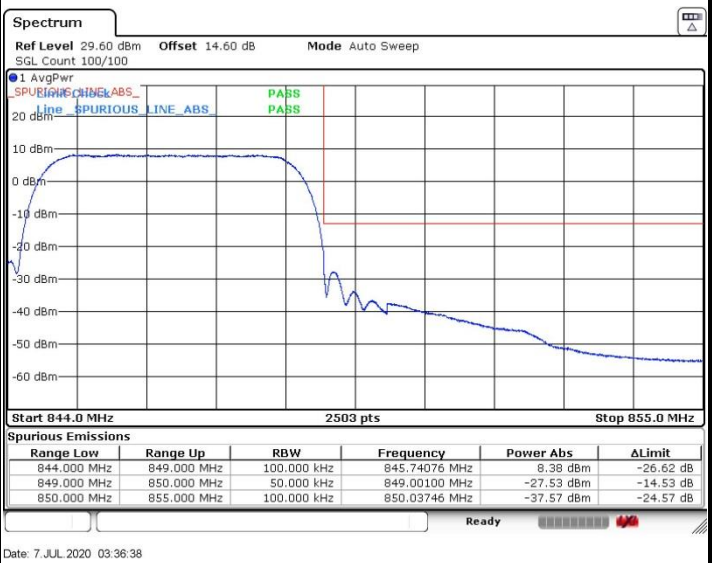
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 7.JUL.2020 03:38:31

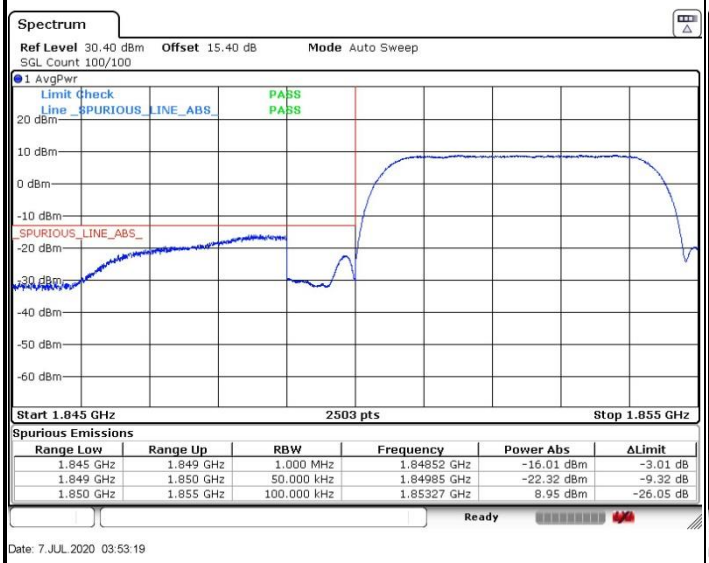
Highest Band Edge



Date: 7.JUL.2020 03:36:38

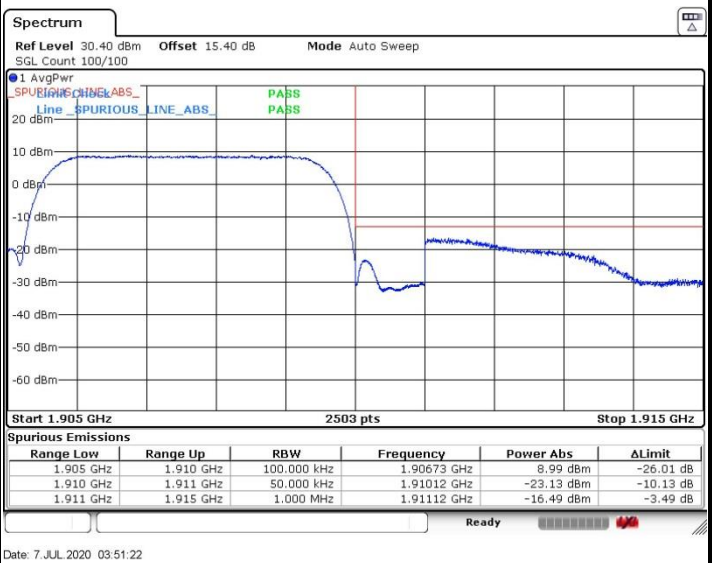
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



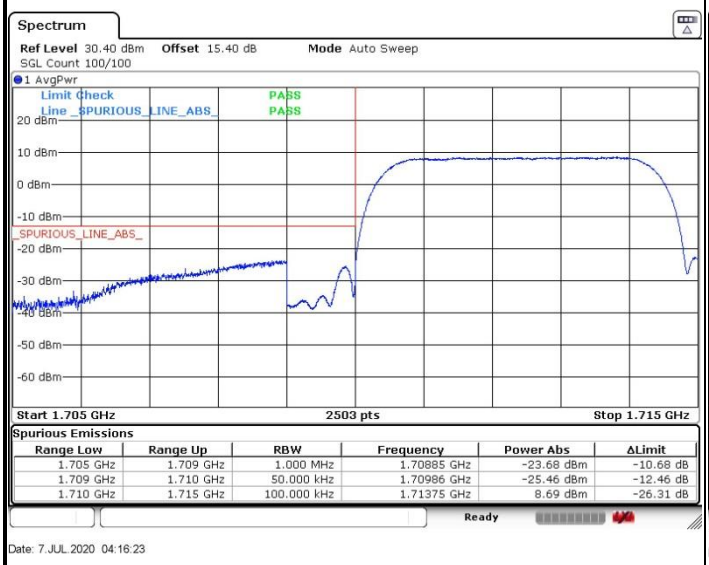
Date: 7.JUL.2020 03:53:19

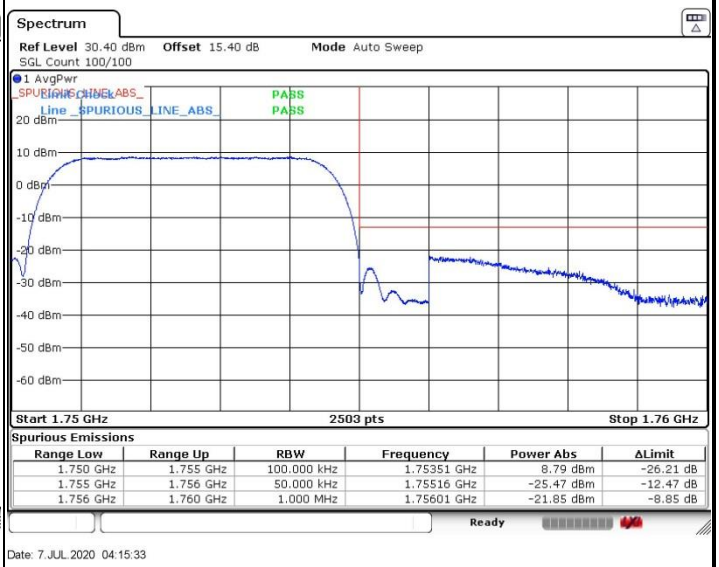
Highest Band Edge



Date: 7.JUL.2020 03:51:22

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

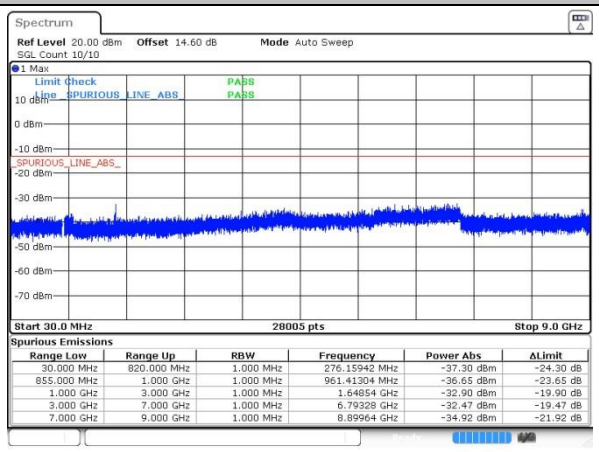




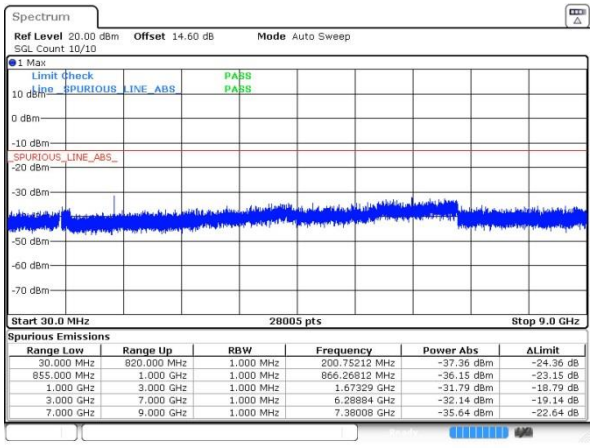
Conducted Spurious Emission

GSM850 (GSM)

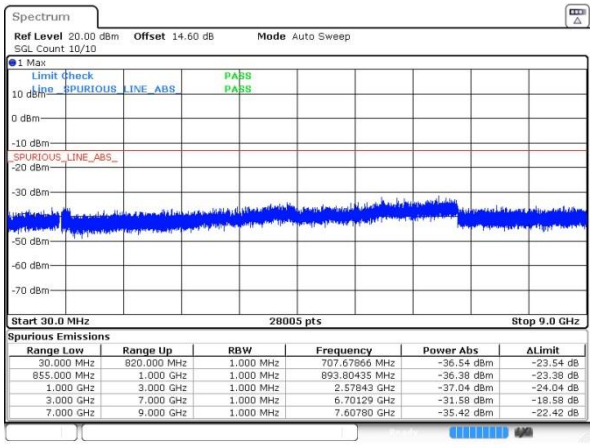
Lowest Channel



Middle Channel

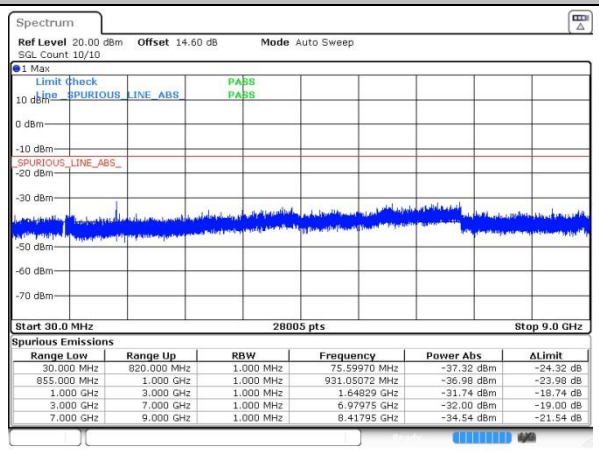


Highest Channel

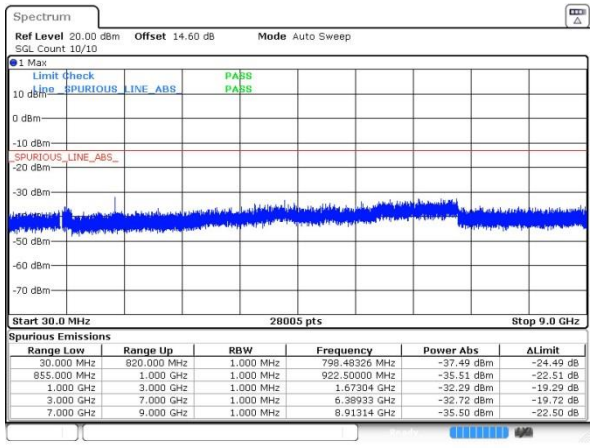


GSM850 (GPRS class 8)

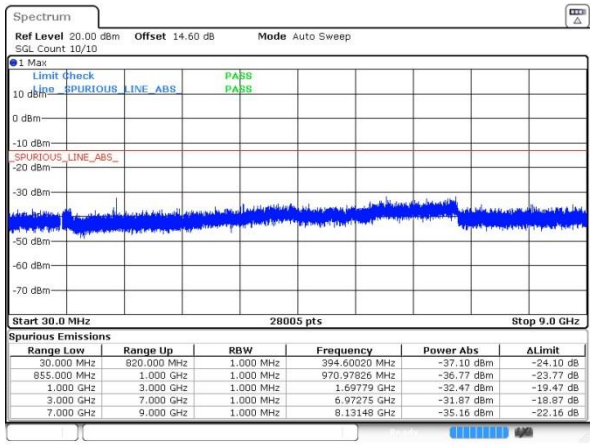
Lowest Channel

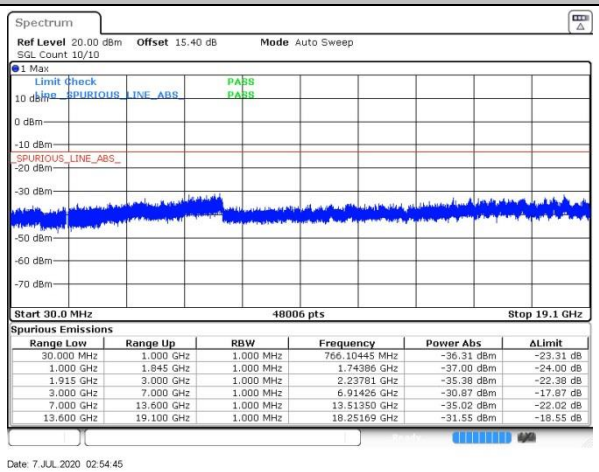
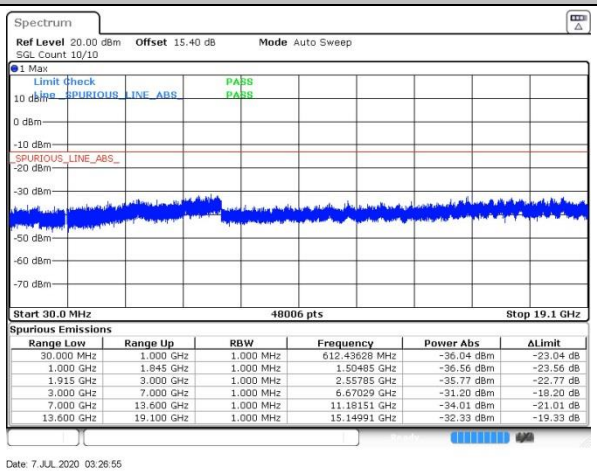
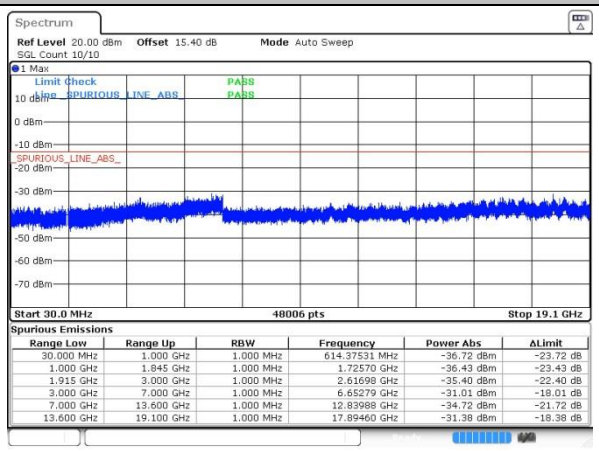
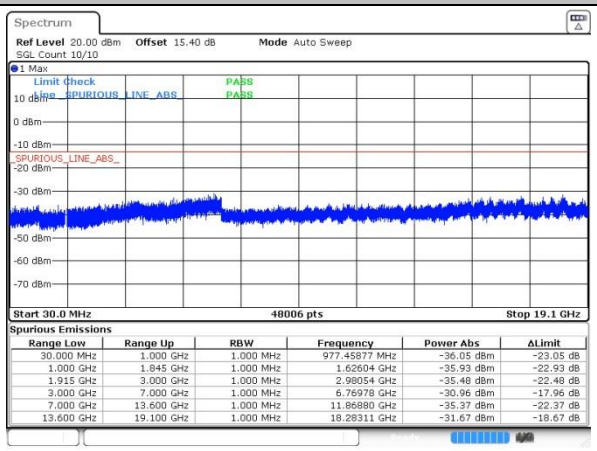
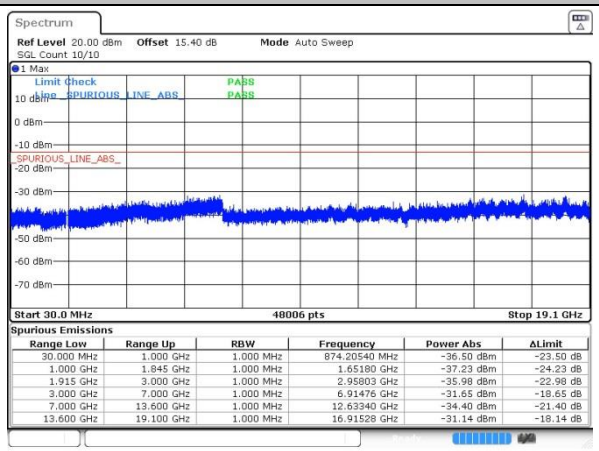
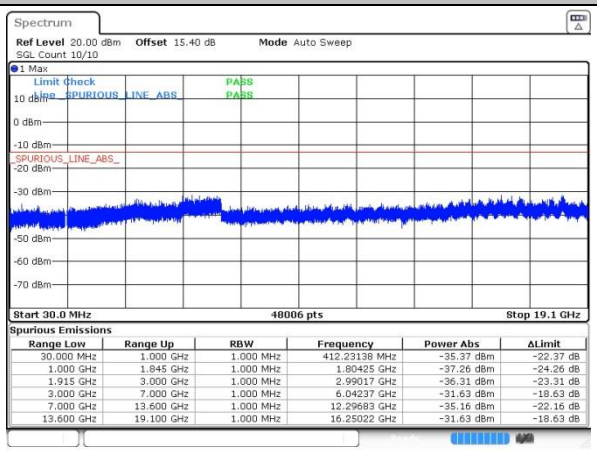


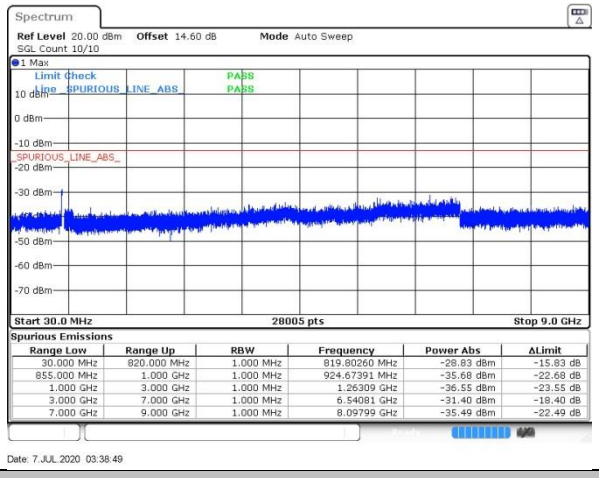
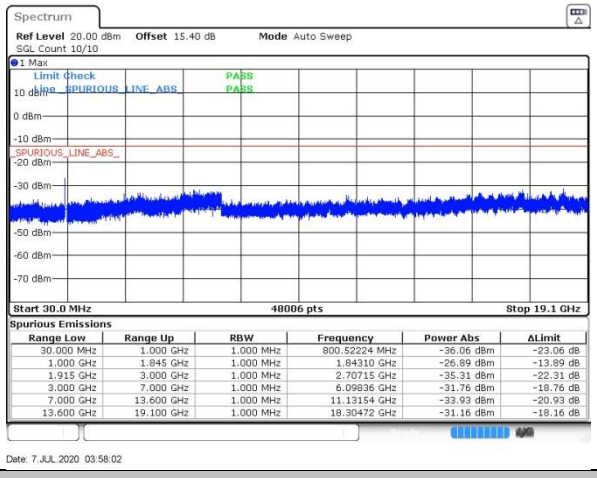
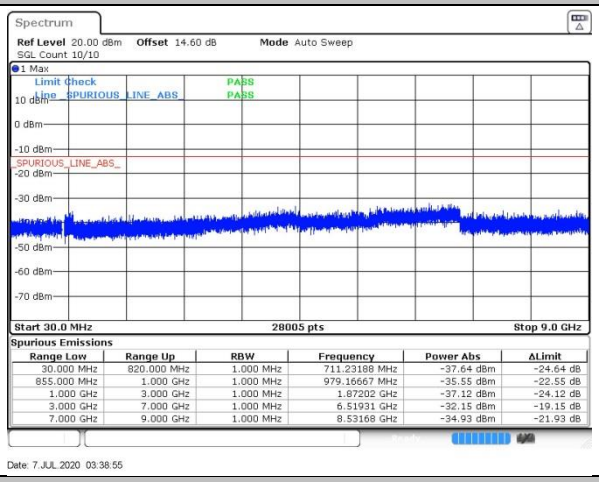
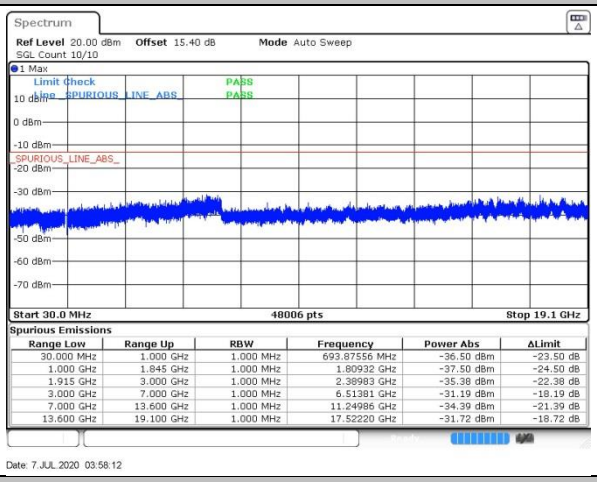
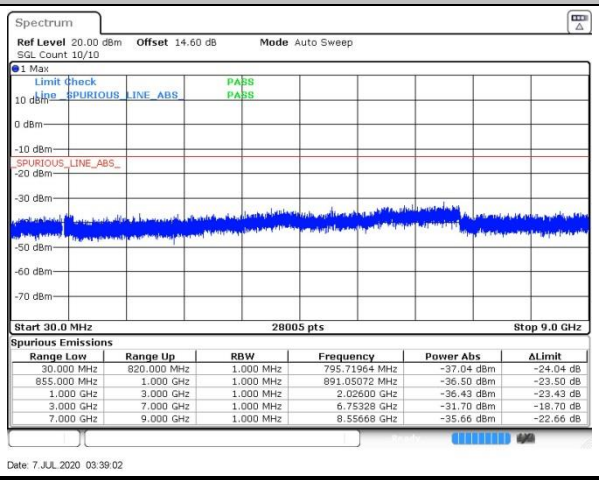
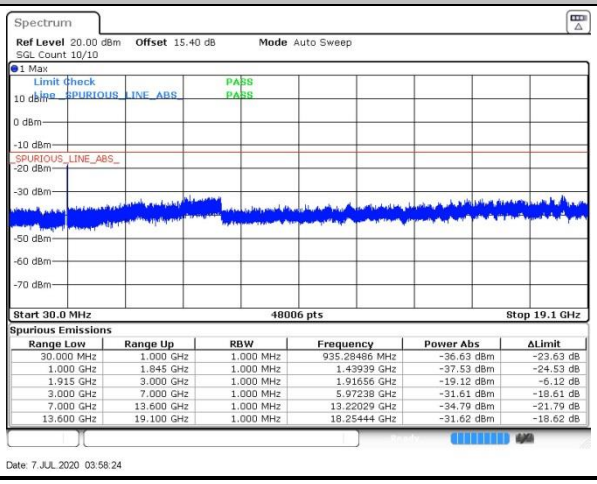
Middle Channel



Highest Channel

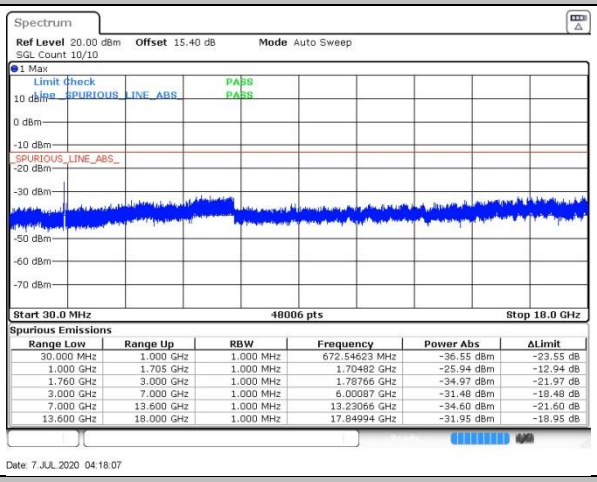


GSM1900 (GSM)	GSM1900 (GPRS class 8)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

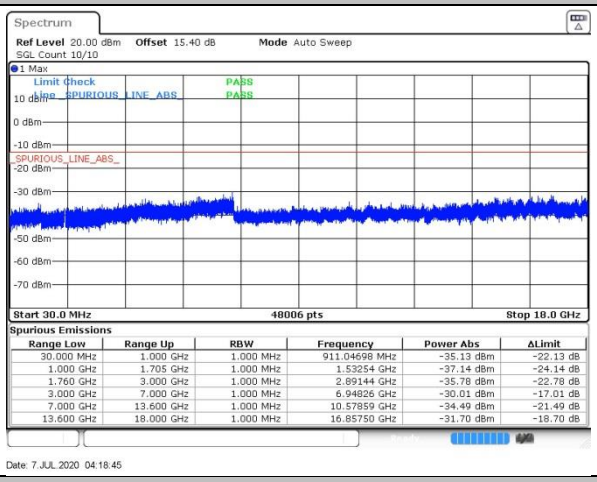
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

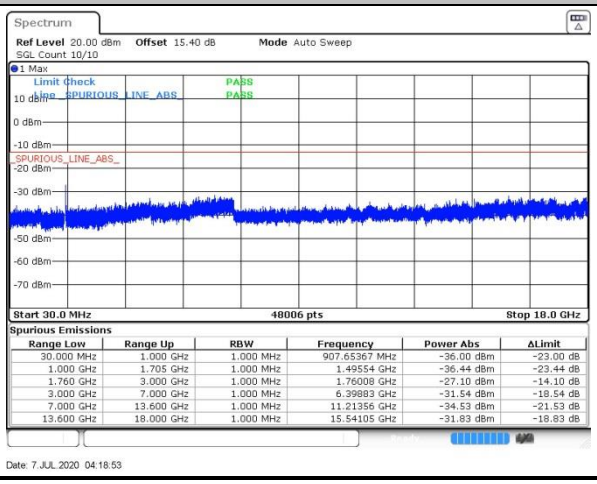
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (GPRS class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0143	0.0251	PASS
40	Normal Voltage	0.0012	0.0239	
30	Normal Voltage	0.0215	0.0084	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0132	
0	Normal Voltage	0.0227	0.0132	
-10	Normal Voltage	0.0287	0.0203	
-20	Normal Voltage	0.0000	0.0024	
-30	Normal Voltage	0.0239	0.0120	
20	Maximum Voltage	0.0000	0.0132	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0287	0.0024	

Note: Normal Voltage = 3.85V；Battery End Point (BEP) =3.5V；Maximum Voltage =4.2V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (GPRS class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0059	0.0074	PASS
40	Normal Voltage	0.0027	0.0085	
30	Normal Voltage	0.0096	0.0037	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0059	0.0053	
0	Normal Voltage	0.0101	0.0064	
-10	Normal Voltage	0.0069	0.0085	
-20	Normal Voltage	0.0032	0.0074	
-30	Normal Voltage	0.0101	0.0043	
20	Maximum Voltage	0.0064	0.0080	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0074	0.0048	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) =3.5V.；Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0120	PASS
40	Normal Voltage	0.0227	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0311	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0203	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0287	

Note: Normal Voltage = 3.85V ; Battery End Point (BEP) =3.5V ; Maximum Voltage =4.2V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0101	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0106	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0133	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage = 3.85V ; Battery End Point (BEP) =3.5V ; Maximum Voltage =4.2V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0139	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0133	
0	Normal Voltage	0.0156	
-10	Normal Voltage	0.0052	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2V

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

GSM850 (GPRS 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	-64.28	-13	-51.28	-71.25	1.58	10.70	H
	2510	-59.59	-13	-46.59	-67.84	2.102	12.50	H
	3346	-62.40	-13	-49.40	-71.29	2.856	13.90	H
	1672	-60.24	-13	-47.24	-67.21	1.58	10.70	V
	2510	-60.15	-13	-47.15	-68.40	2.10	12.50	V
	3346	-62.73	-13	-49.73	-71.62	2.86	13.90	V

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

GSM1900 (GPRS 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	3759	-57.31	-13	-44.31	-69.57	2.641	14.90	H
	5640	-53.37	-13	-40.37	-65.23	2.94	14.80	H
	7520	-48.85	-13	-35.85	-58.62	3.39	13.16	H
	3759	-57.45	-13	-44.45	-69.71	2.64	14.90	V
	5640	-53.43	-13	-40.43	-65.29	2.94	14.80	V
	7524	-48.50	-13	-35.50	-58.27	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	1673	-66.51	-13	-53.51	-73.48	1.58	10.70	H
	2508	-58.17	-13	-45.17	-66.42	2.102	12.50	H
	3345.6	-62.62	-13	-49.62	-71.51	2.856	13.90	H
	1673	-64.96	-13	-51.96	-71.93	1.58	10.70	V
	2509	-60.67	-13	-47.67	-68.92	2.10	12.50	V
	3345.6	-62.95	-13	-49.95	-71.84	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	3759	-56.77	-13	-43.77	-69.03	2.641	14.90	H
	5640	-53.35	-13	-40.35	-65.21	2.94	14.80	H
	7524	-48.36	-13	-35.36	-58.13	3.39	13.16	H
	3759	-57.17	-13	-44.17	-69.43	2.64	14.90	V
	5640	-53.63	-13	-40.63	-65.49	2.94	14.80	V
	7524	-48.00	-13	-35.00	-57.77	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)								
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	-60.60	-13	-47.60	-71.34	2.604	13.34	H
	5197.8	-54.33	-13	-41.33	-64.84	3.011	13.52	H
	6930.4	-51.75	-13	-38.75	-61.95	3.271	13.47	H
	3465	-60.46	-13	-47.46	-71.20	2.604	13.34	V
	5197.8	-54.27	-13	-41.27	-64.78	3.011	13.52	V
	6930.4	-50.28	-13	-37.28	-60.48	3.271	13.47	V

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