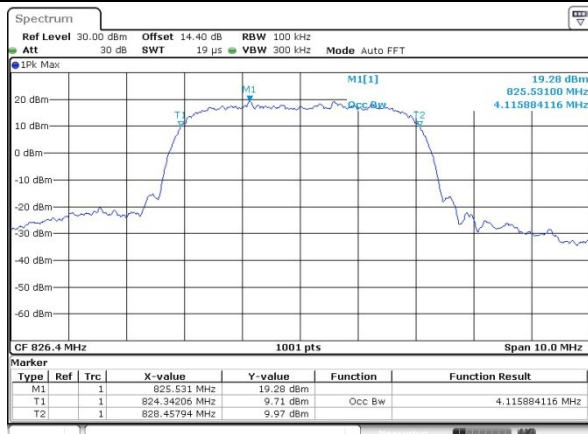




WCDMA Band V (RMC 12.2Kbps)

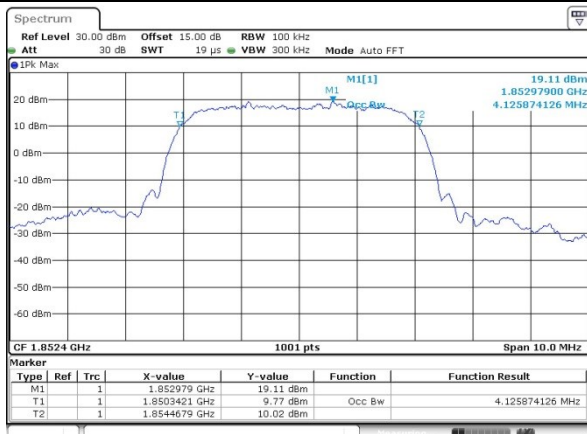
Lowest Channel



Date: 26 DEC 2017 21:35:42

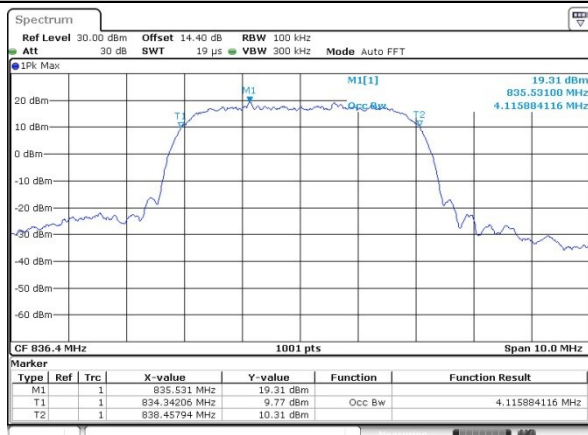
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



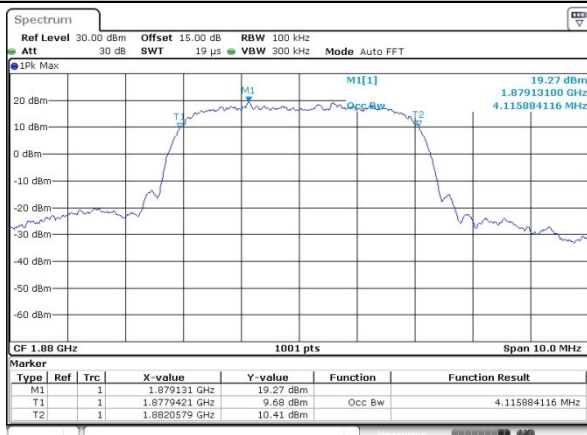
Date: 26 DEC 2017 21:53:57

Middle Channel



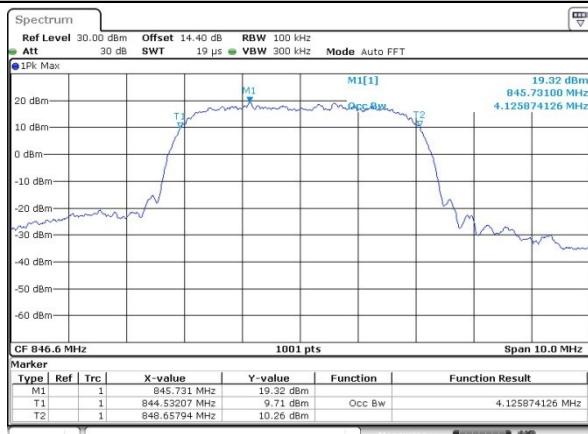
Date: 26 DEC 2017 21:38:26

Middle Channel



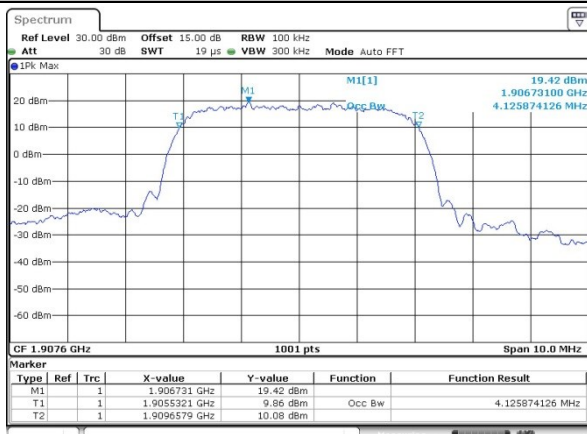
Date: 26 DEC 2017 21:55:02

Highest Channel



Date: 26 DEC 2017 21:37:02

Highest Channel

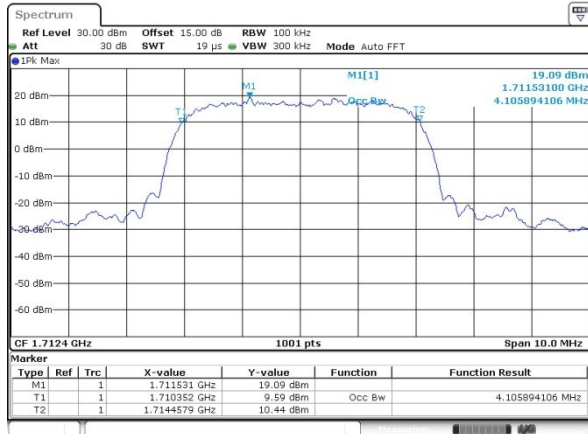


Date: 26 DEC 2017 21:55:55

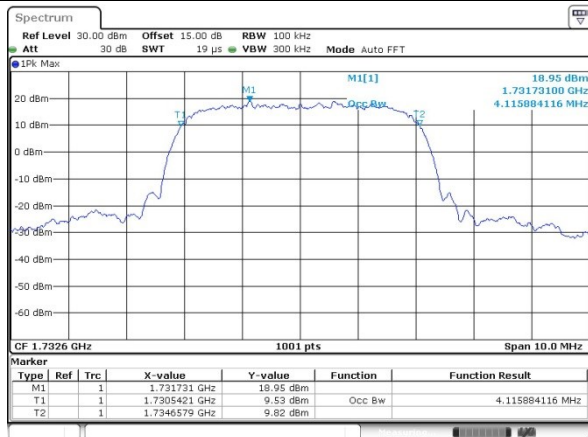


WCDMA Band IV (RMC 12.2Kbps)

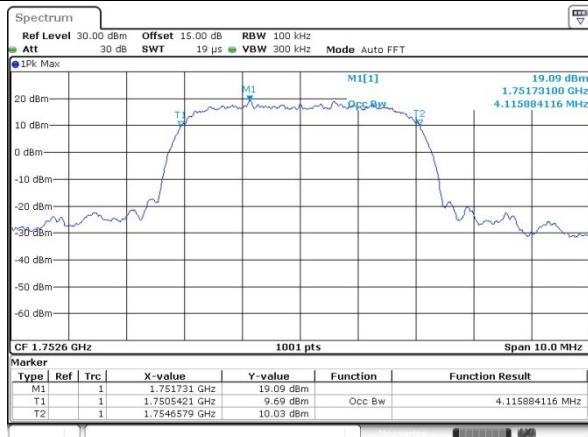
Lowest Channel

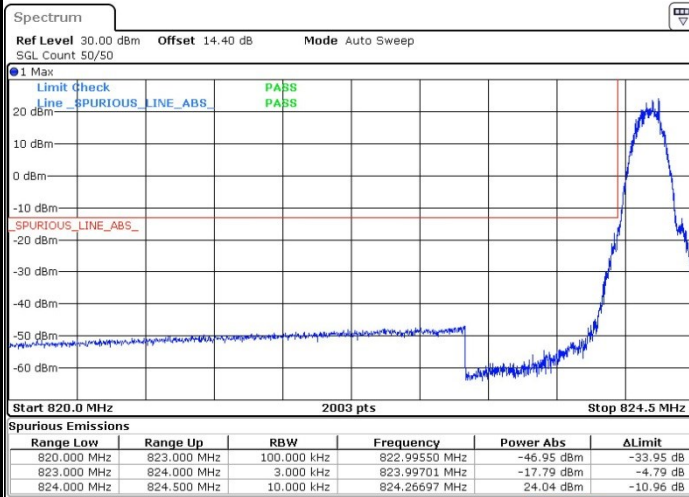
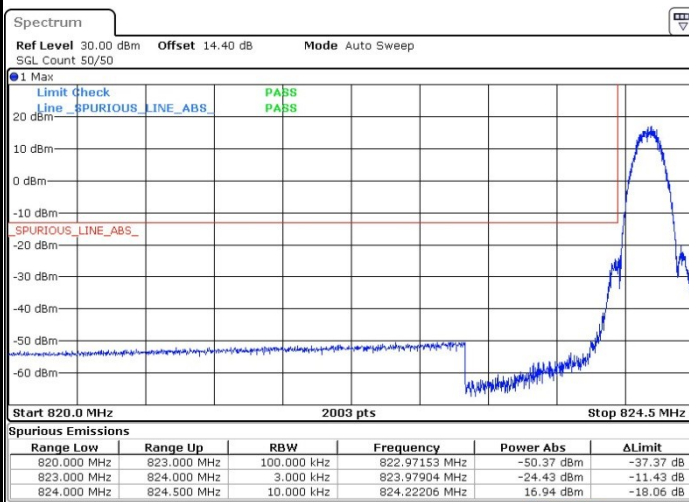
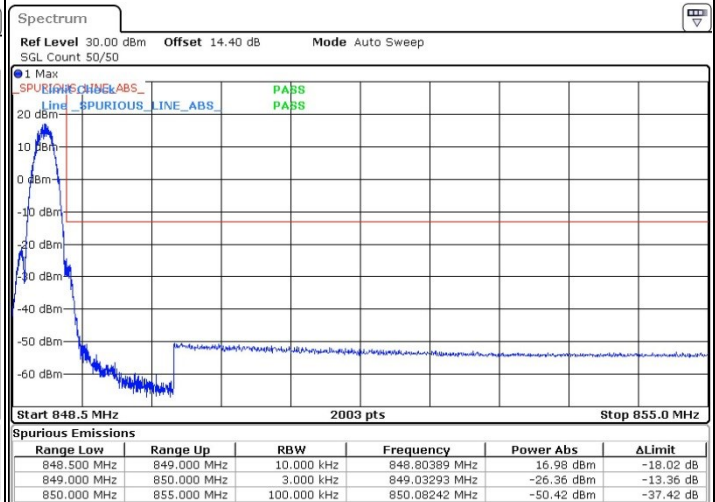


Middle Channel



Highest Channel

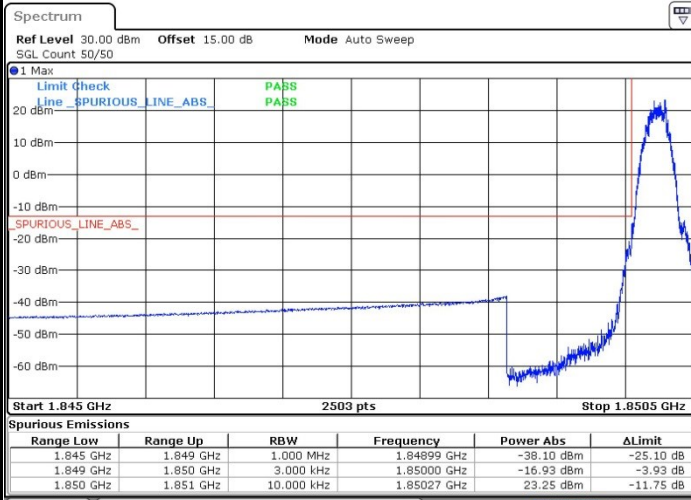


**Conducted Band Edge****GSM850 (GSM)****Lowest Band Edge****Highest Band Edge****GSM850 (EDGE class 8)****Lowest Band Edge****Highest Band Edge**

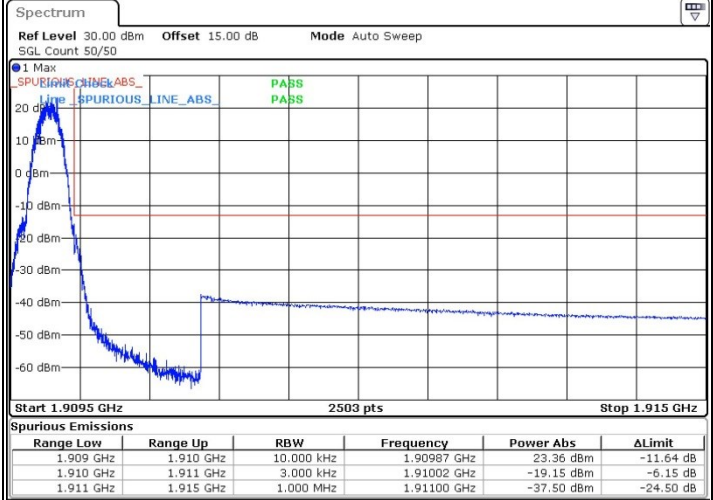


GSM1900 (GSM)

Lowest Band Edge

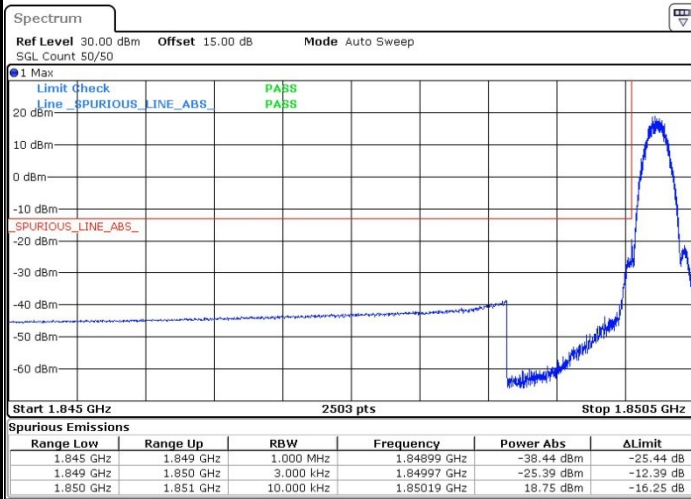


Highest Band Edge

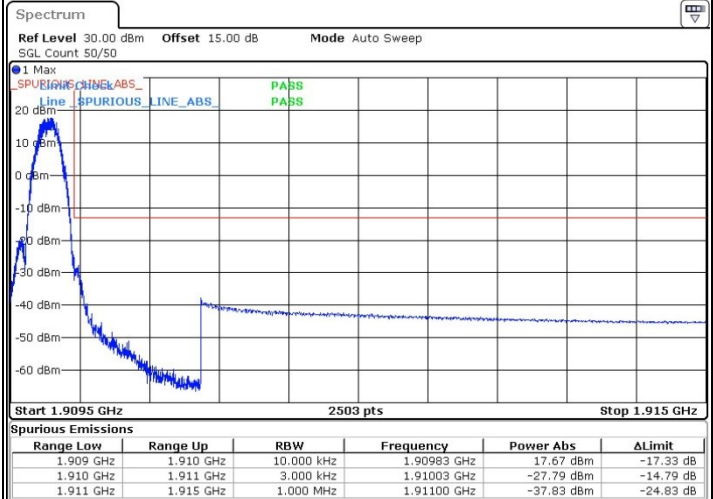


GSM1900 (EDGE class 8)

Lowest Band Edge



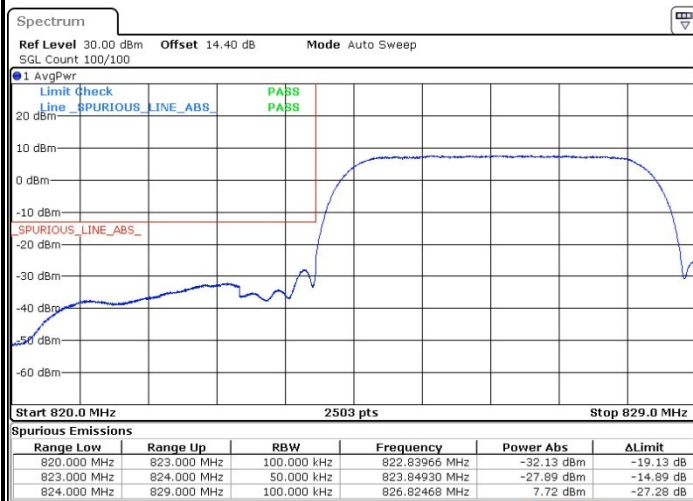
Highest Band Edge



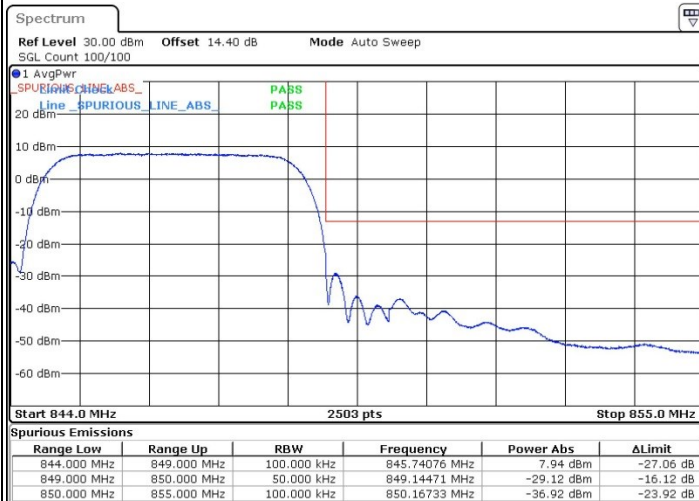


WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

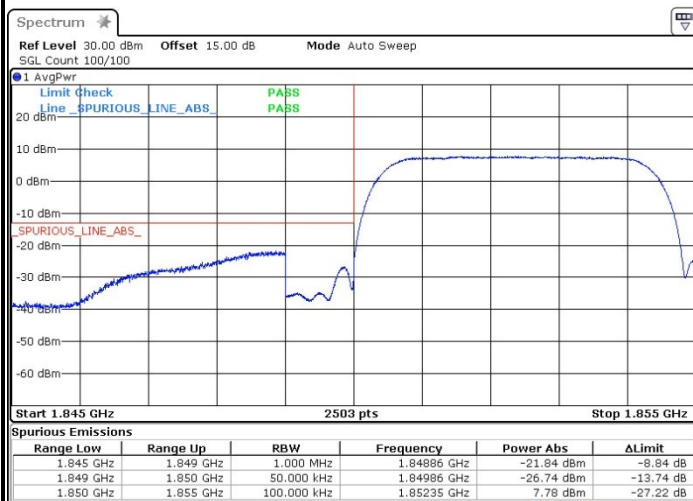


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



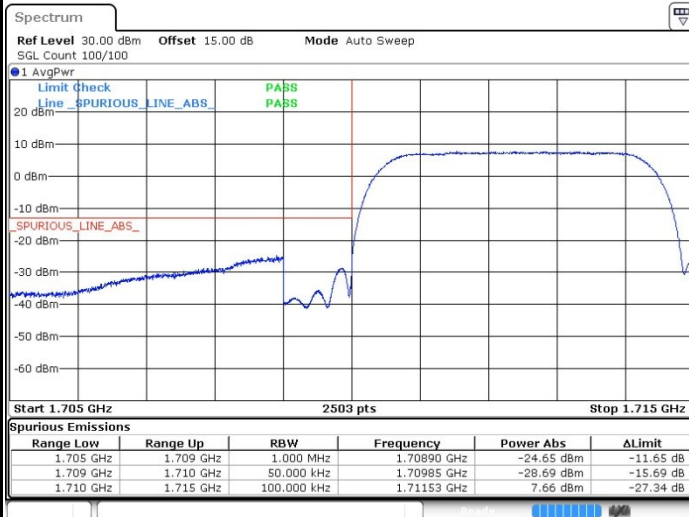
Highest Band Edge



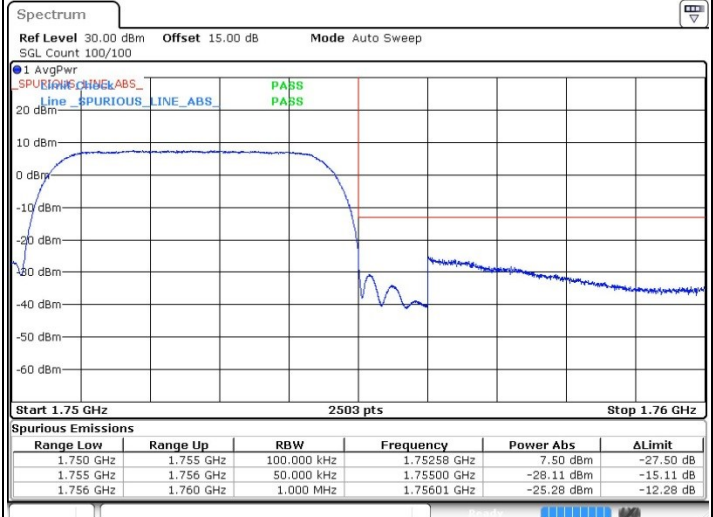


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

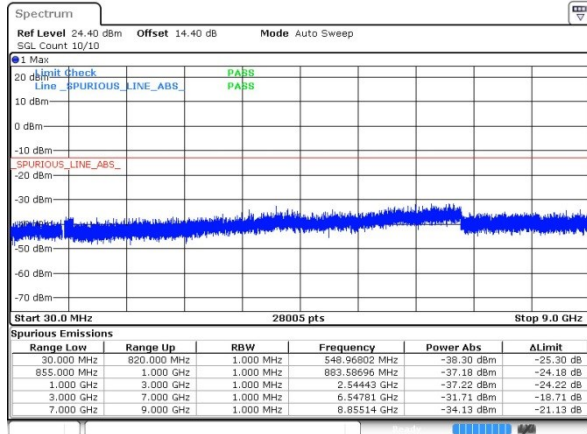




Conducted Spurious Emission

GSM850 (GSM)

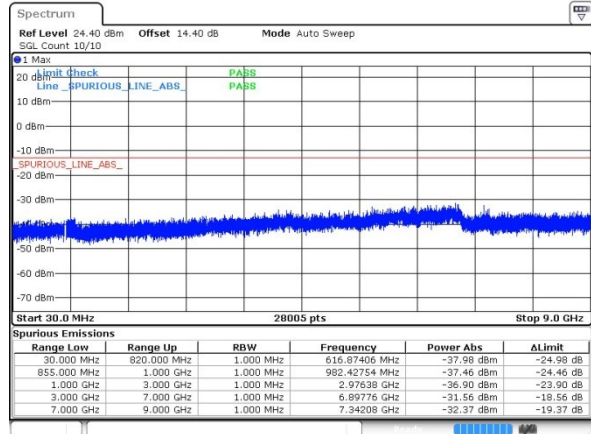
Lowest Channel



Date: 28 DEC 2017 20:12:42

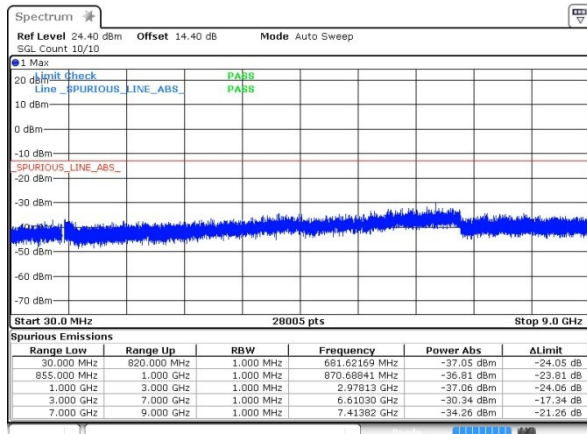
GSM850 (EDGE class 8)

Lowest Channel



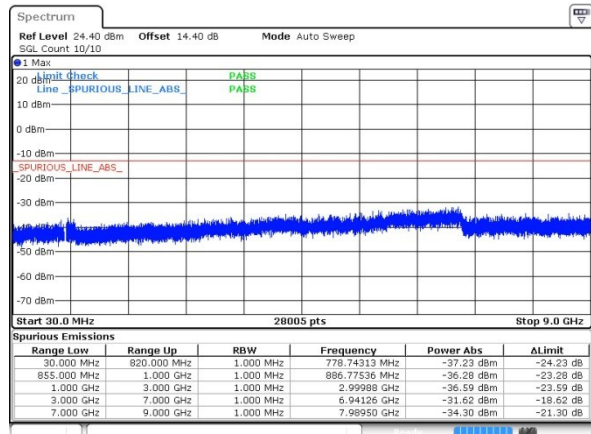
Date: 28 DEC 2017 20:28:43

Middle Channel



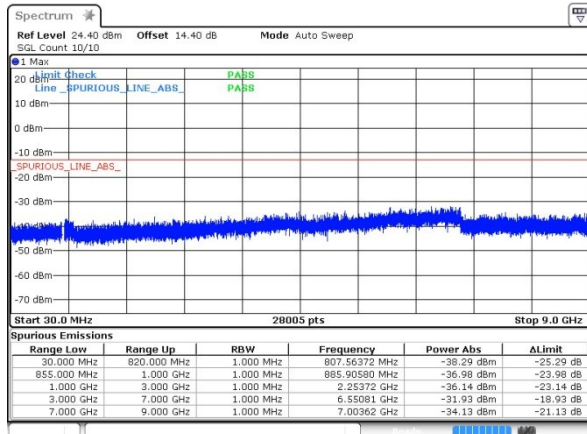
Date: 28 DEC 2017 20:14:05

Middle Channel



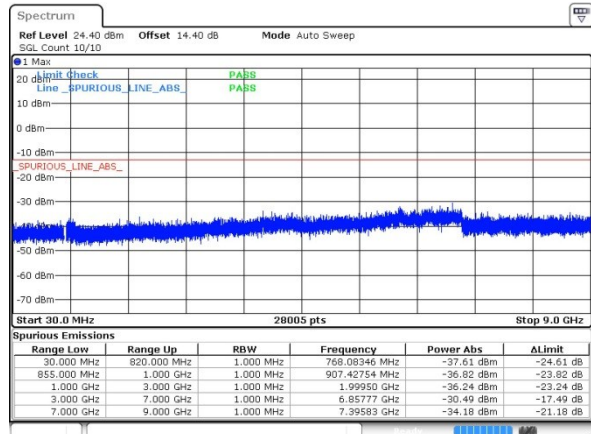
Date: 28 DEC 2017 20:30:03

Highest Channel



Date: 28 DEC 2017 20:15:23

Highest Channel

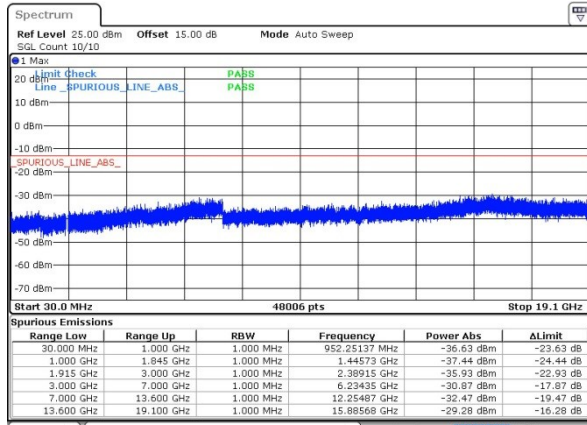


Date: 28 DEC 2017 20:31:23



GSM1900 (GSM)

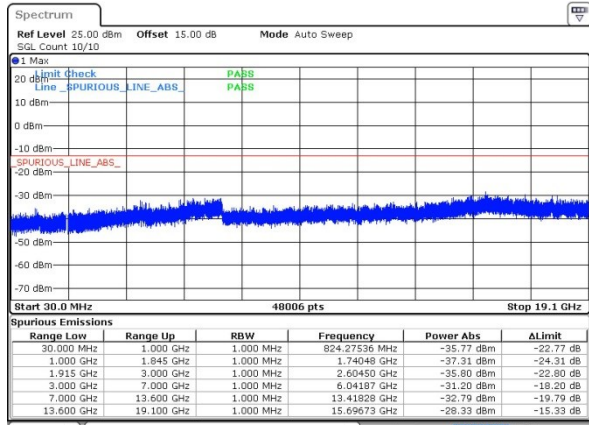
Lowest Channel



Date: 26 DEC 2017 21:00:16

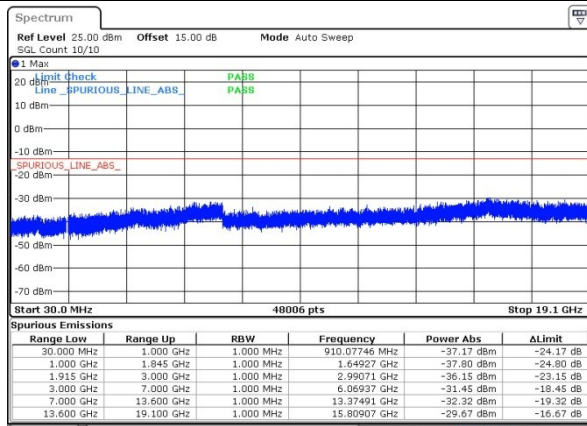
GSM1900 (EDGE class 8)

Lowest Channel



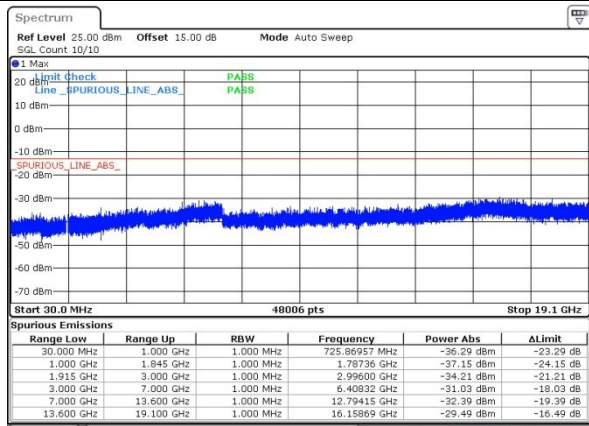
Date: 26 DEC 2017 21:20:26

Middle Channel



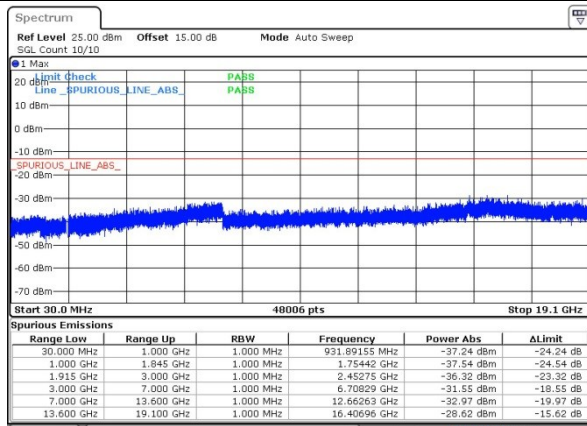
Date: 26 DEC 2017 21:01:42

Middle Channel



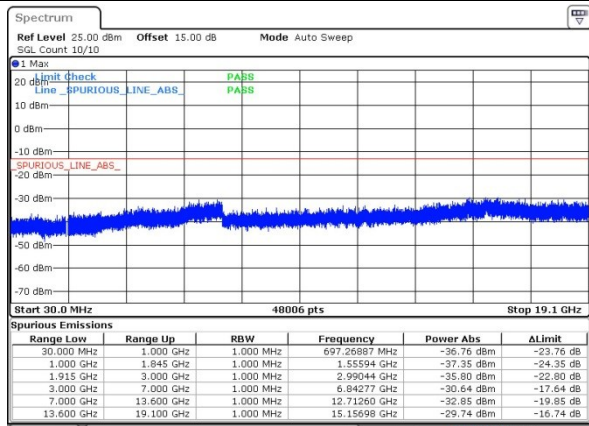
Date: 26 DEC 2017 21:21:48

Highest Channel



Date: 26 DEC 2017 21:03:03

Highest Channel

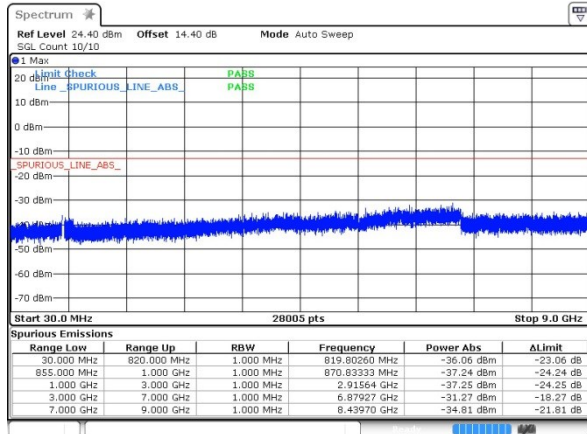


Date: 26 DEC 2017 21:23:11



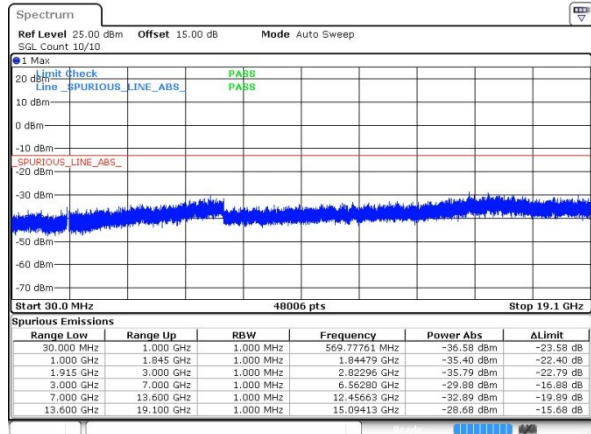
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

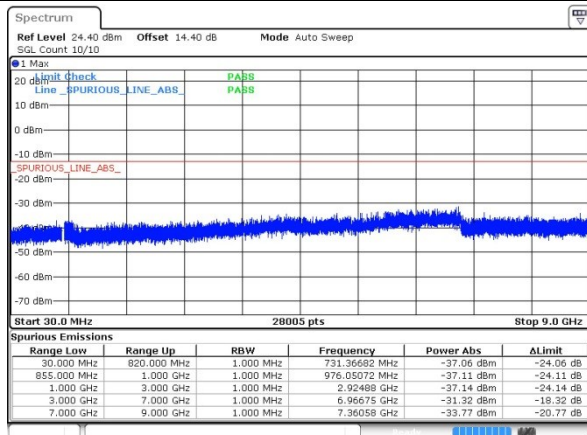


WCDMA Band II (RMC 12.2Kbps)

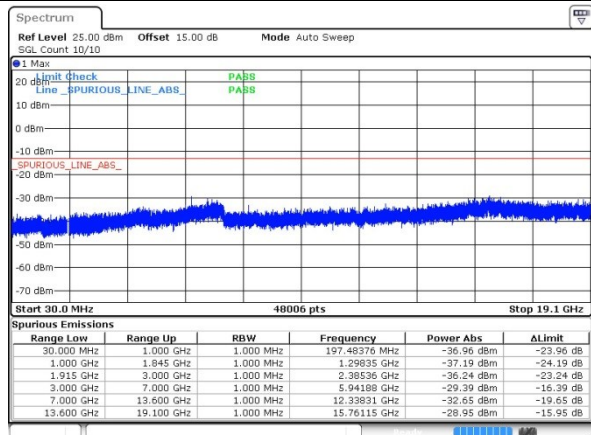
Lowest Channel



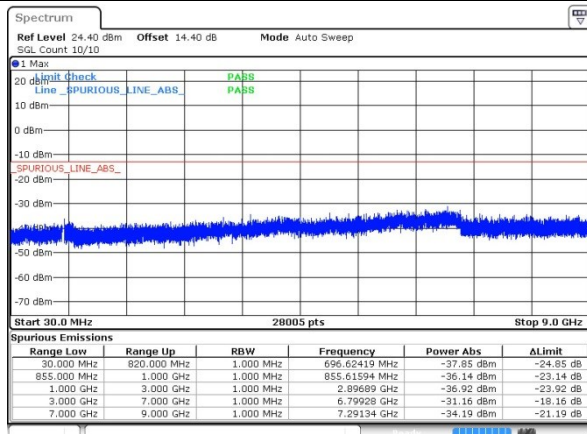
Middle Channel



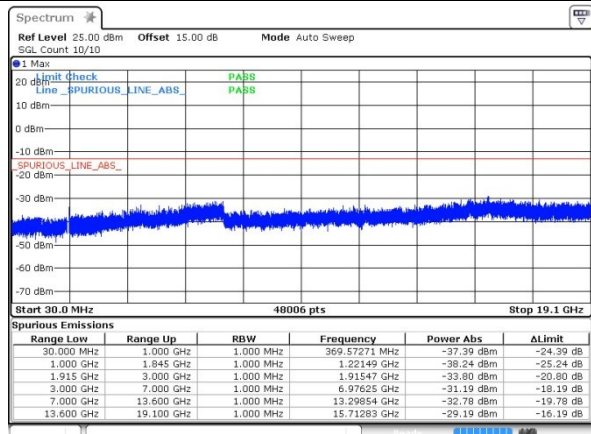
Middle Channel



Highest Channel



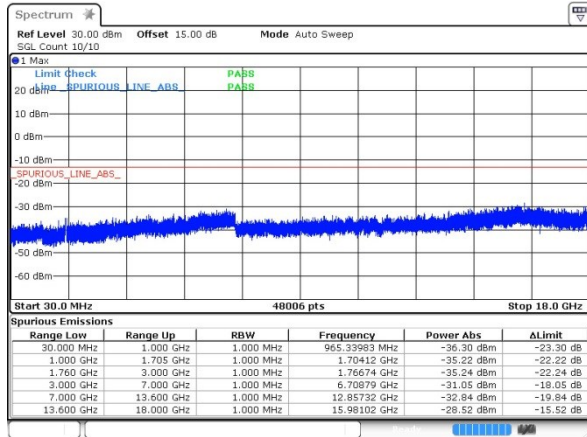
Highest Channel





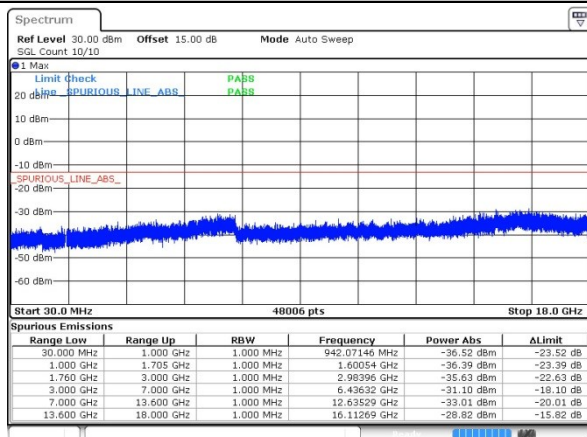
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



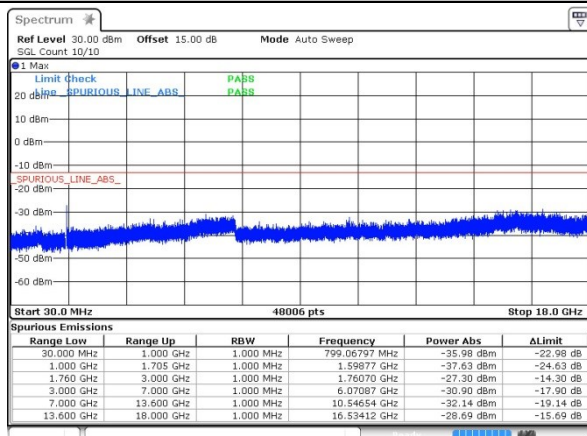
Date: 26 DEC 2017 22:56:05

Middle Channel



Date: 26 DEC 2017 22:57:31

Highest Channel



Date: 26 DEC 2017 22:58:51

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0048	0.0203	PASS
40	Normal Voltage	0.0012	0.0072	
30	Normal Voltage	0.0060	0.0275	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0036	0.0096	
0	Normal Voltage	0.0060	0.0132	
-10	Normal Voltage	0.0084	0.0227	
-20	Normal Voltage	0.0012	0.0311	
-30	Normal Voltage	0.0024	0.0239	
20	Maximum Voltage	0.0108	0.0143	
20	Normal Voltage	0.0287	0.0167	
20	Battery End Point	0.0191	0.0120	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0043	0.0170	PASS
40	Normal Voltage	0.0011	0.0176	
30	Normal Voltage	0.0165	0.0032	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0005	0.0144	
0	Normal Voltage	0.0021	0.0011	
-10	Normal Voltage	0.0128	0.0165	
-20	Normal Voltage	0.0005	0.0005	
-30	Normal Voltage	0.0138	0.0186	
20	Maximum Voltage	0.0021	0.0043	
20	Normal Voltage	0.0128	0.0117	
20	Battery End Point	0.0176	0.0016	

Note:

1. Normal Voltage =3.8 V. ; 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.



Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0179	
30	Normal Voltage	0.0191	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0215	
-10	Normal Voltage	0.0203	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0167	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0048	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0053	
-20	Normal Voltage	0.0090	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.8V. ; 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.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0121	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0087	
0	Normal Voltage	0.0081	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0035	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.8V ; 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

GSM 850 (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	-39.84	-13	-26.84	-49.11	-45.31	1.24	8.85	H
	2512	-35.74	-13	-22.74	-48.28	-42.66	1.44	10.51	H
	3344	-59.11	-13	-46.11	-73.74	-67.15	1.74	11.93	H
	4182	-59.96	-13	-46.96	-75.33	-67.84	2.07	12.10	H
	1672	-37.45	-13	-24.45	-46.03	-42.92	1.24	8.85	V
	2512	-33.68	-13	-20.68	-45.91	-40.60	1.44	10.51	V
	3344	-60.43	-13	-47.43	-74.87	-68.47	1.74	11.93	V
	4182	-61.88	-13	-48.88	-77.21	-69.76	2.07	12.10	V

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

EDGE 850 (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	-52.71	-13	-39.71	-61.98	-58.18	1.24	8.85	H
	2512	-55.49	-13	-42.49	-68.03	-62.41	1.44	10.51	H
	3344	-61.08	-13	-48.08	-75.71	-69.12	1.74	11.93	H
	1672	-48.80	-13	-35.80	-57.38	-54.27	1.24	8.85	V
	2512	-54.85	-13	-41.85	-67.08	-61.77	1.44	10.51	V
	3344	-61.19	-13	-48.19	-75.63	-69.23	1.74	11.93	V

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



GSM 1900 (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	3763	-41.59	-13	-28.59	-57.23	-51.83	2.01	12.24	H
	5639	-50.95	-13	-37.95	-69.08	-61.22	2.12	12.39	H
	7522	-52.95	-13	-39.95	-73.56	-60.91	2.11	10.08	H
	3763	-44.01	-13	-31.01	-59.13	-54.25	2.01	12.24	V
	5639	-43.45	-13	-30.45	-61.55	-53.72	2.12	12.39	V
	7522	-50.38	-13	-37.38	-71.17	-58.34	2.11	10.08	V

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

EDGE1900 (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	-59.01	-13	-46.01	-74.62	-69.25	2.01	12.24	H
	5640	-58.86	-13	-45.86	-76.99	-69.13	2.12	12.40	H
	7522	-54.93	-13	-41.93	-75.54	-62.89	2.11	10.08	H
	3760	-59.92	-13	-46.92	-75.04	-70.16	2.01	12.24	V
	5640	-55.18	-13	-42.18	-73.28	-65.45	2.12	12.40	V
	7522	-55.04	-13	-42.04	-75.83	-63.00	2.11	10.08	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	-51.70	-13	-38.70	-67.34	-61.94	2.01	12.24	H
	5640	-59.12	-13	-46.12	-77.25	-69.39	2.12	12.40	H
	7520	-54.84	-13	-41.84	-75.45	-62.80	2.11	10.07	H
	3760	-53.20	-13	-40.20	-68.32	-63.44	2.01	12.24	V
	5640	-58.98	-13	-45.98	-77.08	-69.25	2.12	12.40	V
	7520	-54.44	-13	-41.44	-75.23	-62.40	2.11	10.07	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	3462	-58.80	-13	-45.80	-74.41	-69.25	1.84	12.29	H
	5198	-60.13	-13	-47.13	-77.64	-69.99	2.28	12.14	H
	8670	-50.60	-13	-37.60	-74.86	-60.93	2.20	12.53	H
	3462	-57.02	-13	-44.02	-72.37	-67.47	1.84	12.29	V
	5198	-59.85	-13	-46.85	-77.6	-69.71	2.28	12.14	V
	8670	-52.17	-13	-39.17	-75.81	-62.50	2.20	12.53	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	-61.17	-13	-48.17	-70.44	-66.64	1.24	8.85	H
	2509	-61.67	-13	-48.67	-74.21	-68.59	1.44	10.51	H
	3345	-60.54	-13	-47.54	-75.17	-68.58	1.74	11.94	H
	1672	-58.45	-13	-45.45	-67.03	-63.92	1.24	8.85	V
	2509	-62.11	-13	-49.11	-74.34	-69.03	1.44	10.51	V
	3345	-60.83	-13	-47.83	-75.27	-68.87	1.74	11.94	V

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