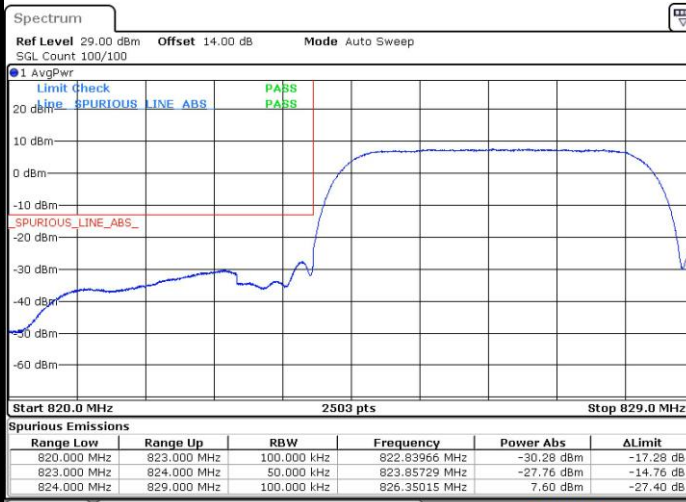




WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

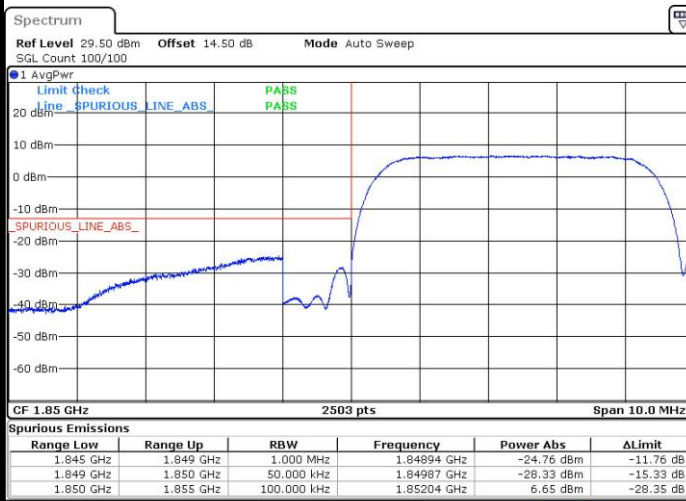


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



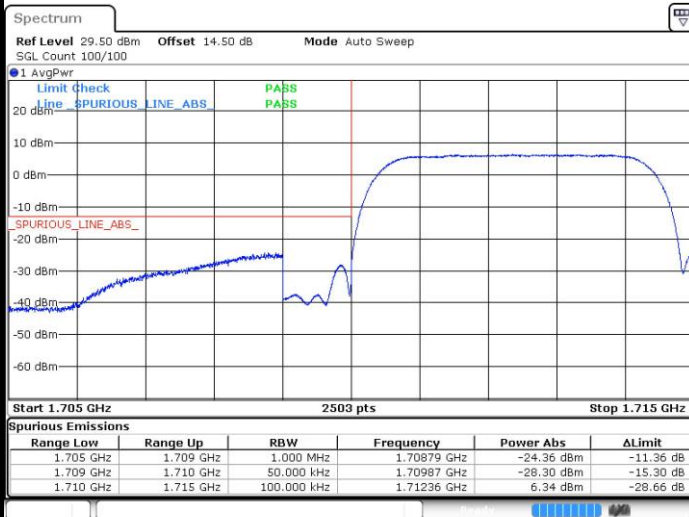
Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

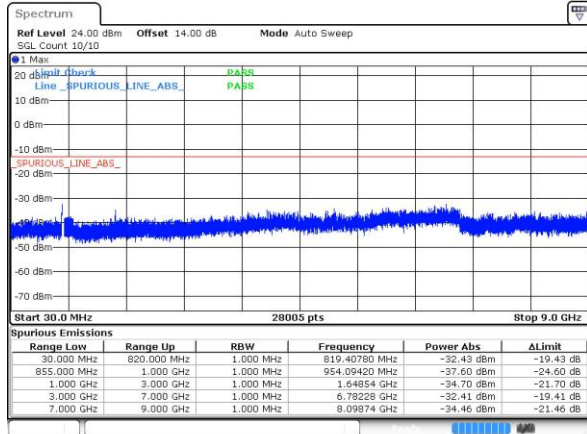




Conducted Spurious Emission

GSM850 (GSM)

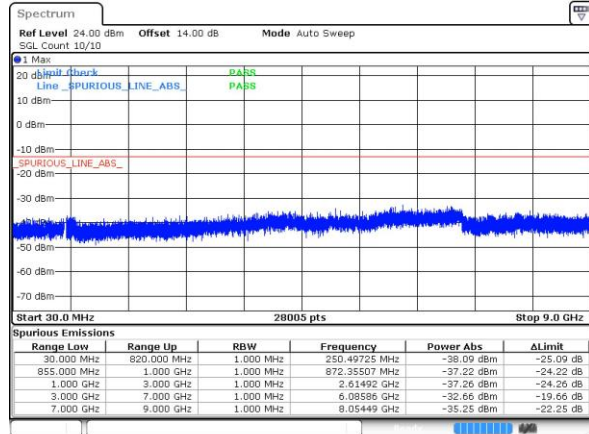
Lowest Channel



Date: 19 JUL 2018 13:55:00

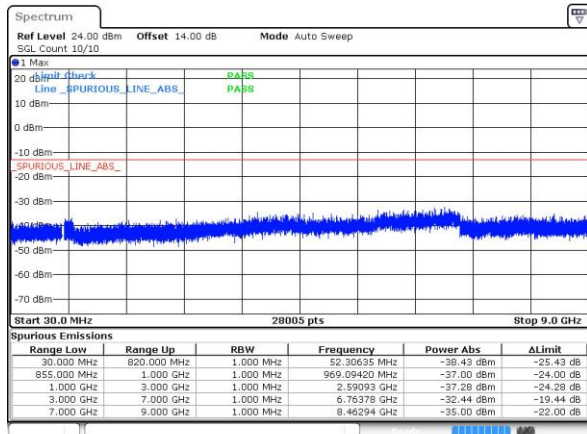
GSM850 (EDGE class 8)

Lowest Channel



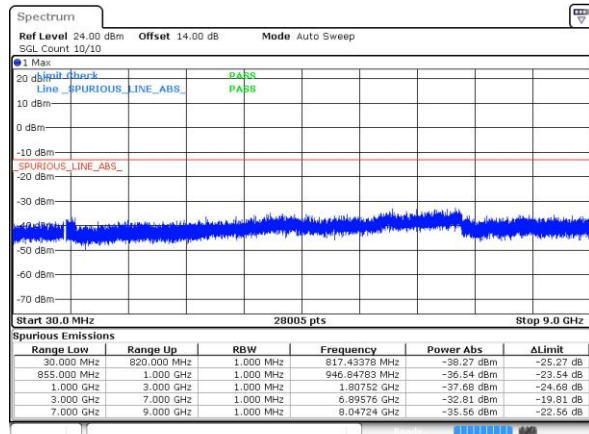
Date: 19 JUL 2018 14:36:51

Middle Channel



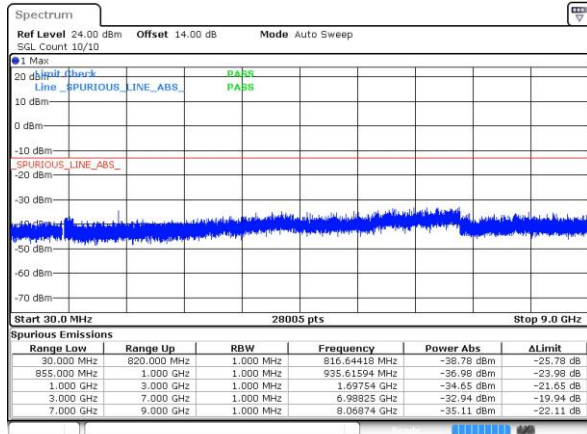
Date: 19 JUL 2018 13:57:01

Middle Channel



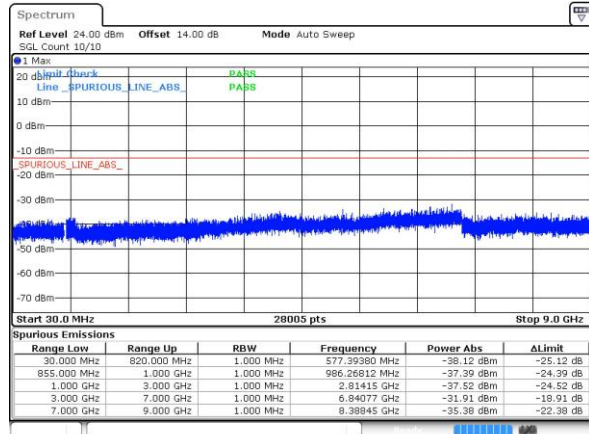
Date: 19 JUL 2018 14:39:18

Highest Channel



Date: 19 JUL 2018 13:59:04

Highest Channel

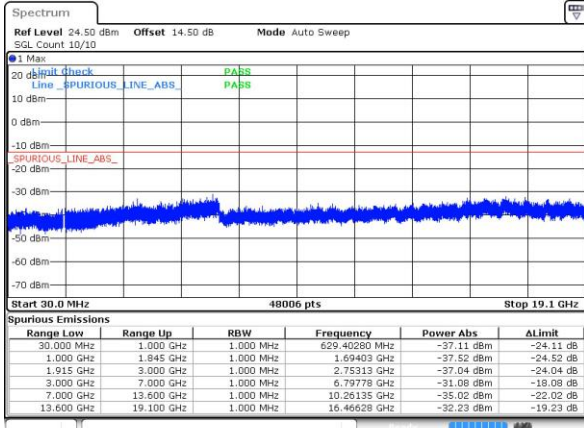


Date: 19 JUL 2018 14:41:38



GSM1900 (GSM)

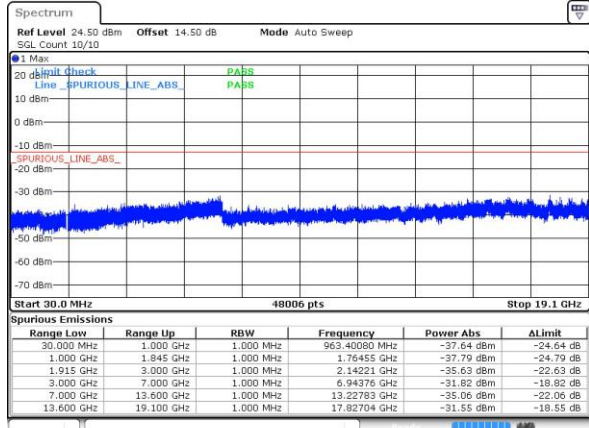
Lowest Channel



Date: 19 JUL 2018 15:24:44

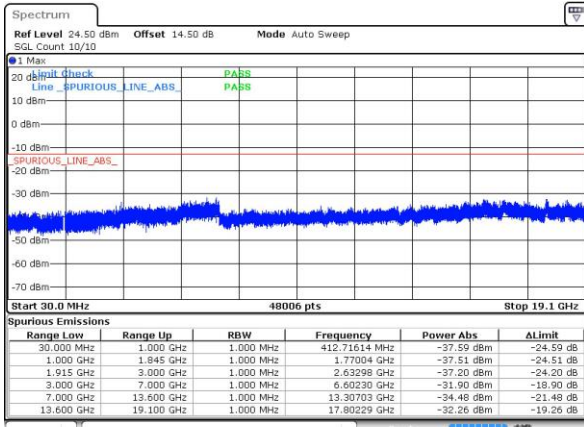
GSM1900 (EDGE class 8)

Lowest Channel

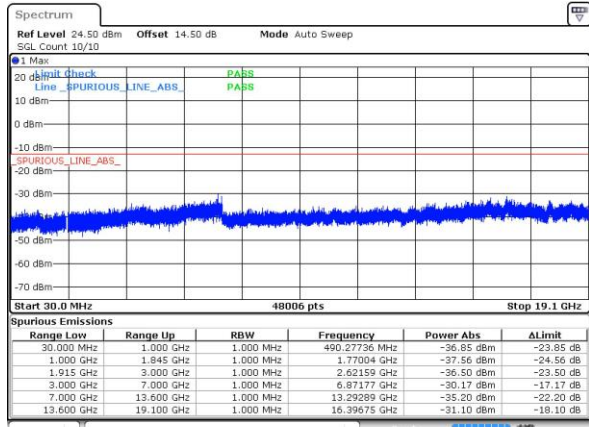


Date: 19 JUL 2018 15:02:17

Middle Channel

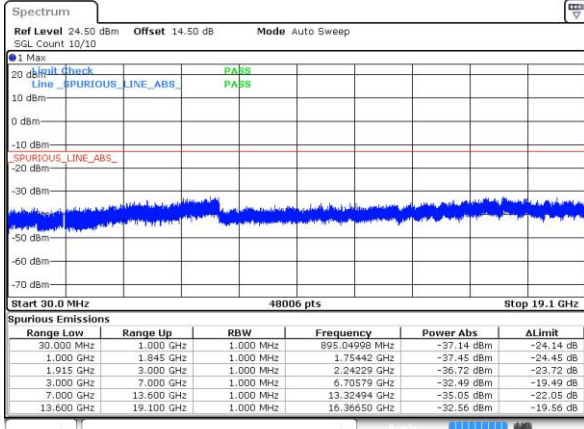


Date: 19 JUL 2018 15:26:12

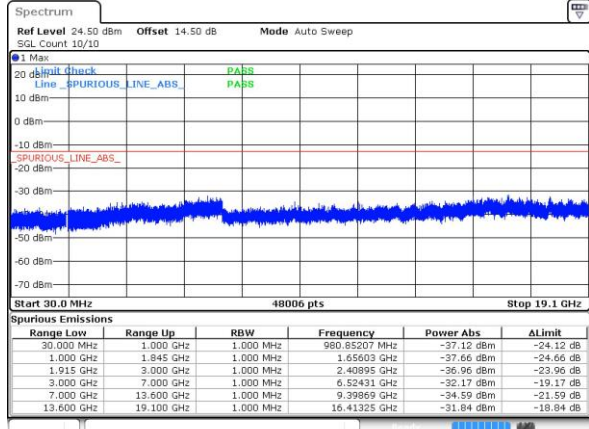


Date: 19 JUL 2018 15:03:49

Highest Channel



Date: 19 JUL 2018 15:27:45

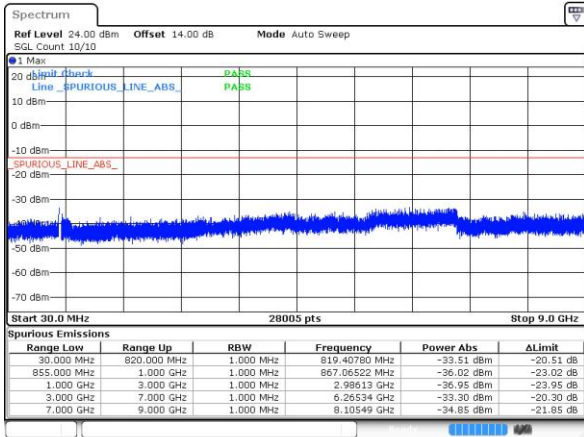


Date: 19 JUL 2018 15:05:27



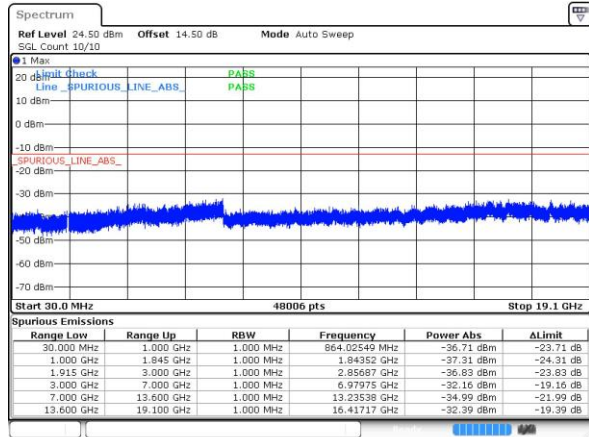
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

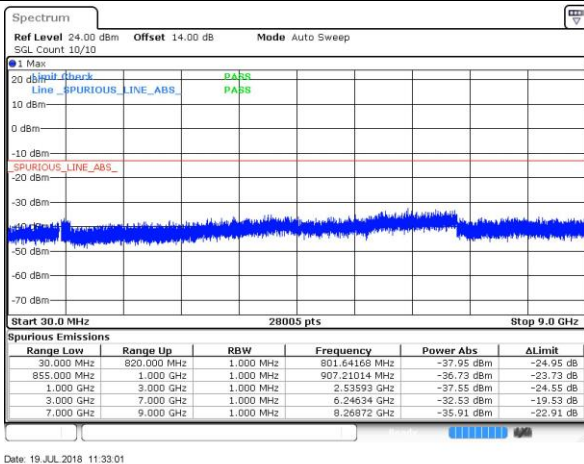


WCDMA Band II (RMC 12.2Kbps)

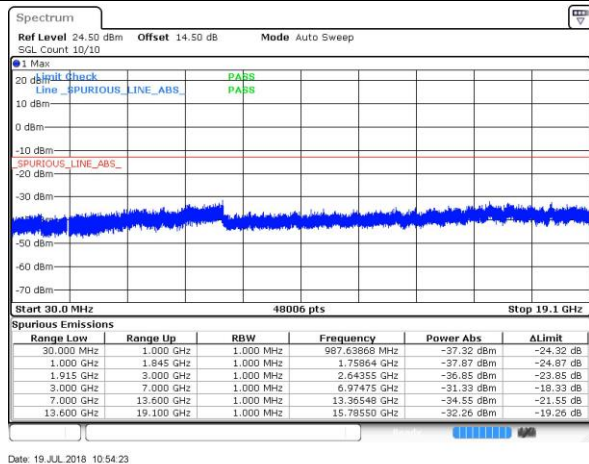
Lowest Channel



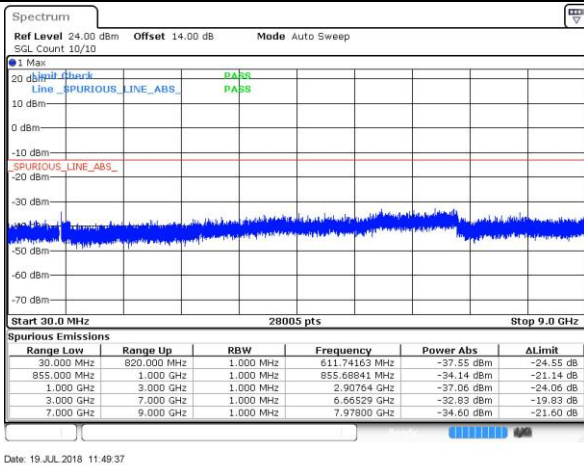
Middle Channel



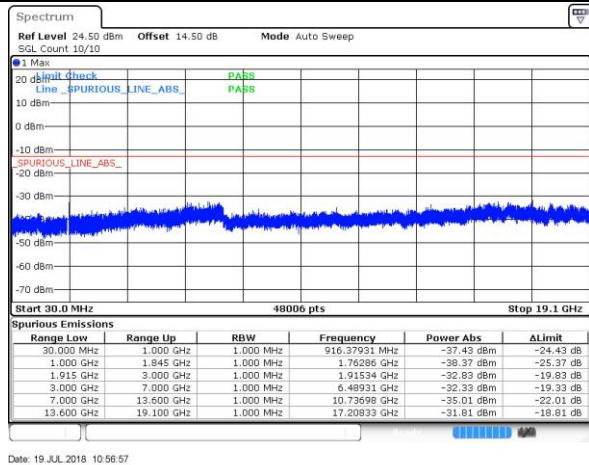
Middle Channel



Highest Channel



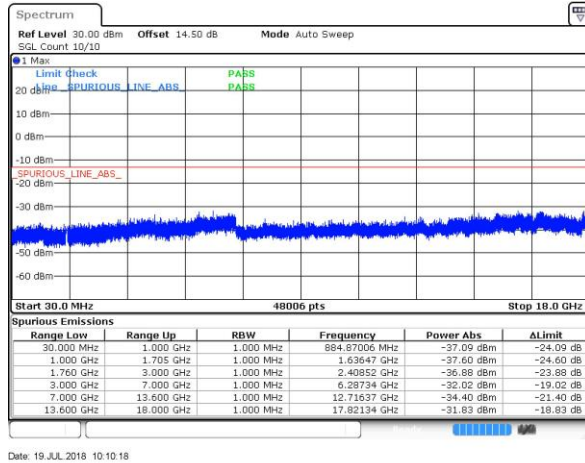
Highest Channel



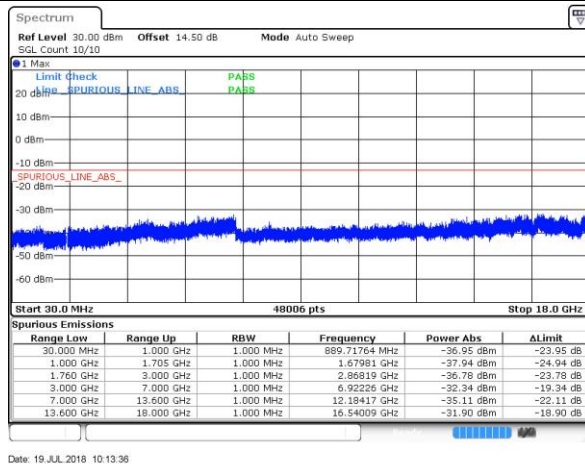


WCDMA Band IV (RMC 12.2Kbps)

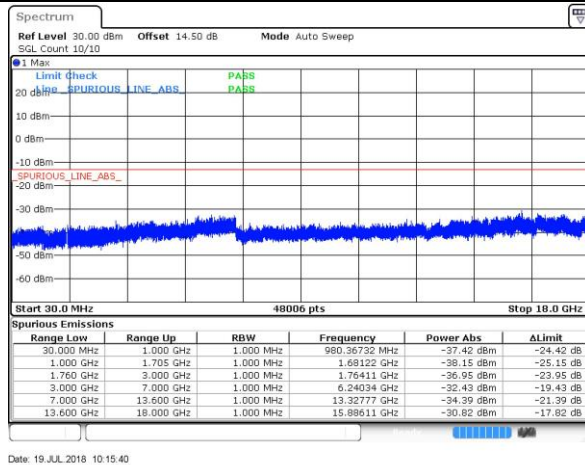
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit
				2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0030	0.0024	PASS
40	Normal Voltage	0.0005	0.0014	
30	Normal Voltage	0.0007	0.0031	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0057	0.0010	
0	Normal Voltage	0.0036	0.0020	
-10	Normal Voltage	0.0112	0.0002	
-20	Normal Voltage	0.0035	0.0012	
-30	Normal Voltage	0.0025	0.0072	
20	Maximum Voltage	0.0017	0.0024	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0039	0.0096	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit
				Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0002	0.0039	PASS
40	Normal Voltage	0.0005	0.0036	
30	Normal Voltage	0.0010	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0027	0.0013	
0	Normal Voltage	0.0032	0.0021	
-10	Normal Voltage	0.0021	0.0024	
-20	Normal Voltage	0.0122	0.0029	
-30	Normal Voltage	0.0029	0.0016	
20	Maximum Voltage	0.0009	0.0012	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0024	0.0005	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0156	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0051	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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 IV (RMC 12.2Kbps)	Limit
			Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0192	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Conducted Test

Radiated Spurious Emission

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	-65.17	-13	-52.17	-70.73	-69.56	2.86	9.40	H
	2509.2	-51.54	-13	-38.54	-62.05	-56.25	3.74	10.60	H
	3345.6	-65.77	-13	-52.77	-80.53	-71.77	4.45	12.60	H
	1672.8	-64.76	-13	-51.76	-69.47	-69.15	2.86	9.40	V
	2509.2	-58.32	-13	-45.32	-68.15	-63.03	3.74	10.60	V
	3345.6	-67.01	-13	-54.01	-80.58	-73.01	4.45	12.60	V

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

GSM850 (EDGE class 8)									
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	-66.00	-13	-53.00	-71.56	-70.39	2.86	9.40	H
	2509.2	-61.71	-13	-48.71	-72.13	-66.42	3.74	10.60	H
	3345.6	-65.87	-13	-52.87	-80.63	-71.87	4.45	12.60	H
	1672.8	-64.04	-13	-51.04	-68.75	-68.43	2.86	9.40	V
	2509.2	-65.81	-13	-52.81	-75.64	-70.52	3.74	10.60	V
	3345.6	-66.91	-13	-53.91	-80.48	-72.91	4.45	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	3760.00	-56.99	-13	-43.99	-70.61	-64.59	5.00	12.60	H
	5640.00	-57.87	-13	-44.87	-74.47	-63.67	7.30	13.10	H
	7520.00	-59.09	-13	-46.09	-79.07	-62.66	7.73	11.30	H
	3760.00	-49.77	-13	-36.77	-64.1	-57.37	5.00	12.60	V
	5640.00	-57.59	-13	-44.59	-74.12	-63.39	7.30	13.10	V
	7520.00	-59.39	-13	-46.39	-79.03	-62.96	7.73	11.30	V

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

GSM1900 (EDGE class 8)									
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	3760.00	-54.75	-13	-41.75	-68.37	-62.35	5.00	12.60	H
	5640.00	-60.40	-13	-47.40	-77.00	-66.20	7.30	13.10	H
	7520.00	-59.16	-13	-46.16	-79.14	-62.73	7.73	11.30	H
	3760.00	-49.96	-13	-36.96	-64.29	-57.56	5.00	12.60	V
	5640.00	-57.48	-13	-44.48	-74.01	-63.28	7.30	13.10	V
	7520.00	-59.47	-13	-46.47	-79.11	-63.04	7.73	11.30	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	1673.04	-71.49	-13	-58.49	-77.05	-75.88	2.86	9.40	H
	2509.56	-68.60	-13	-55.60	-79.02	-73.31	3.74	10.60	H
	3346.08	-65.35	-13	-52.35	-80.11	-71.35	4.45	12.60	H
	1673.04	-71.93	-13	-58.93	-76.64	-76.32	2.86	9.40	V
	2509.56	-69.12	-13	-56.12	-78.95	-73.83	3.74	10.60	V
	3346.08	-65.60	-13	-52.60	-79.17	-71.60	4.45	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	3760.00	-54.60	-13	-41.60	-68.22	-62.20	5.00	12.60	H
	5640.00	-62.28	-13	-49.28	-78.88	-68.08	7.30	13.10	H
	7520.00	-58.99	-13	-45.99	-78.97	-62.56	7.73	11.30	H
	3760.00	-51.40	-13	-38.40	-65.73	-59.00	5.00	12.60	V
	5640.00	-62.32	-13	-49.32	-78.85	-68.12	7.30	13.10	V
	7520.00	-59.63	-13	-46.63	-79.27	-63.20	7.73	11.30	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	3465.2	-59.91	-13	-46.91	-79.24	-68.14	4.37	12.60	H
	5197.8	-57.73	-13	-44.73	-81.89	-65.49	4.94	12.70	H
	6930.4	-58.13	-13	-45.13	-82.04	-63.51	6.32	11.70	H
	3465.2	-63.07	-13	-50.07	-79.15	-71.30	4.37	12.60	V
	5197.8	-62.53	-13	-49.53	-82.04	-70.29	4.94	12.70	V
	6930.4	-58.37	-13	-45.37	-82.28	-63.75	6.32	11.70	V

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