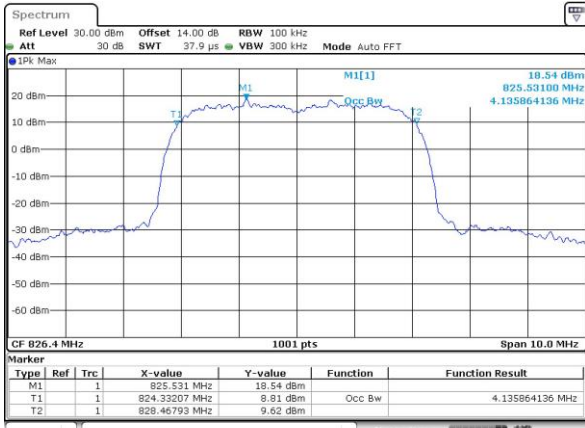




WCDMA Band V (RMC 12.2Kbps)

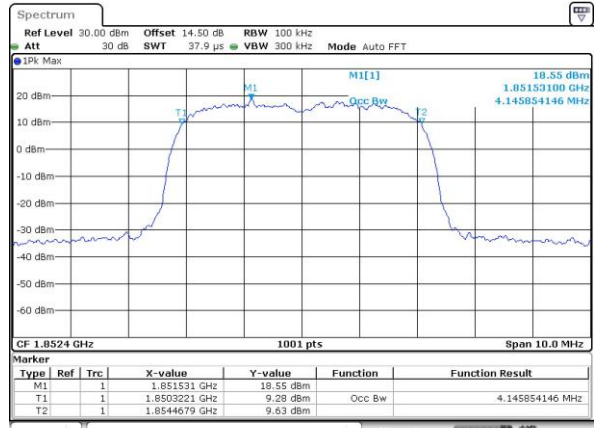
Lowest Channel



Date: 12 JUL 2018 14:12:02

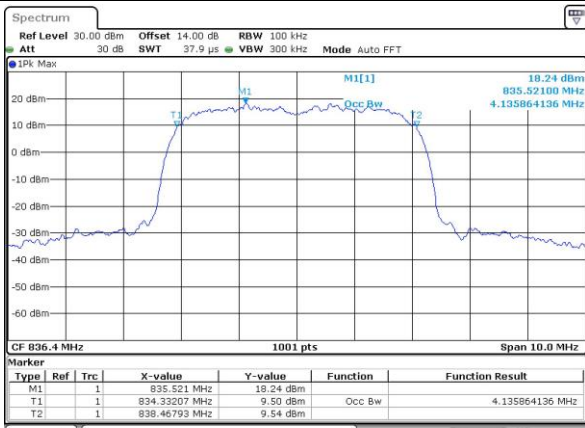
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



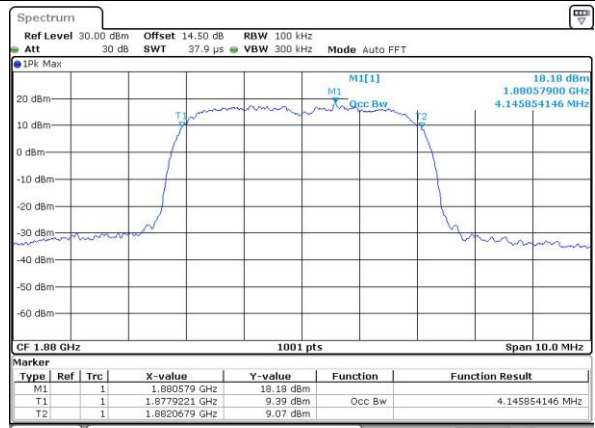
Date: 12 JUL 2018 14:52:16

Middle Channel



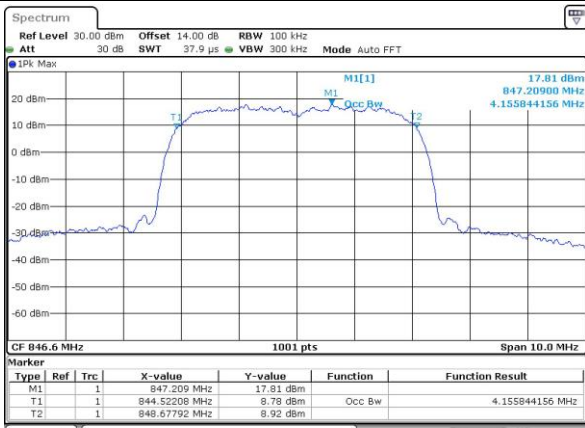
Date: 12 JUL 2018 14:12:57

Middle Channel



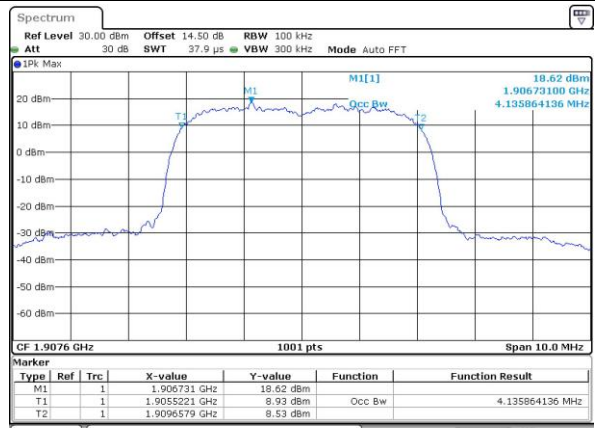
Date: 12 JUL 2018 14:53:27

Highest Channel



Date: 12 JUL 2018 14:14:01

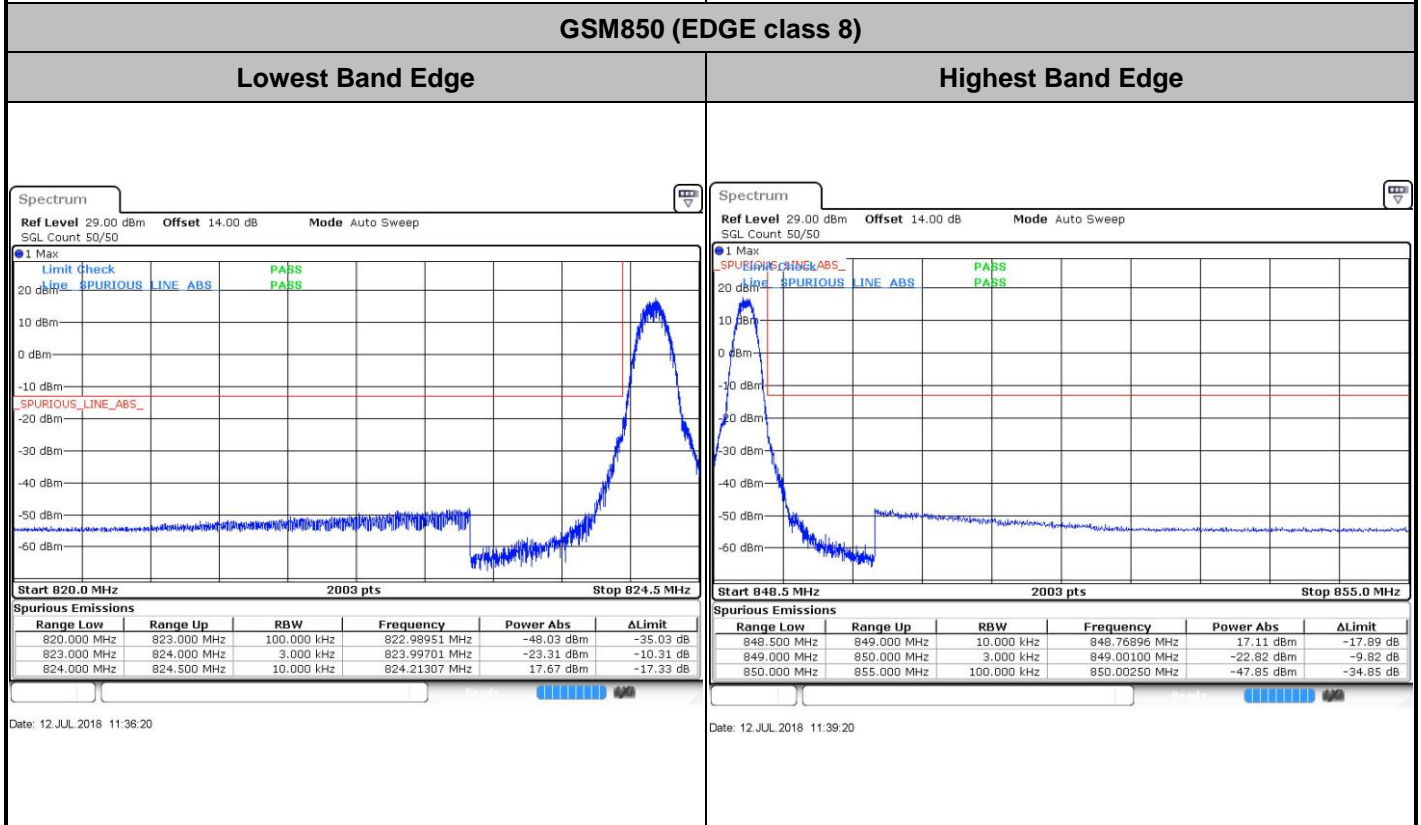
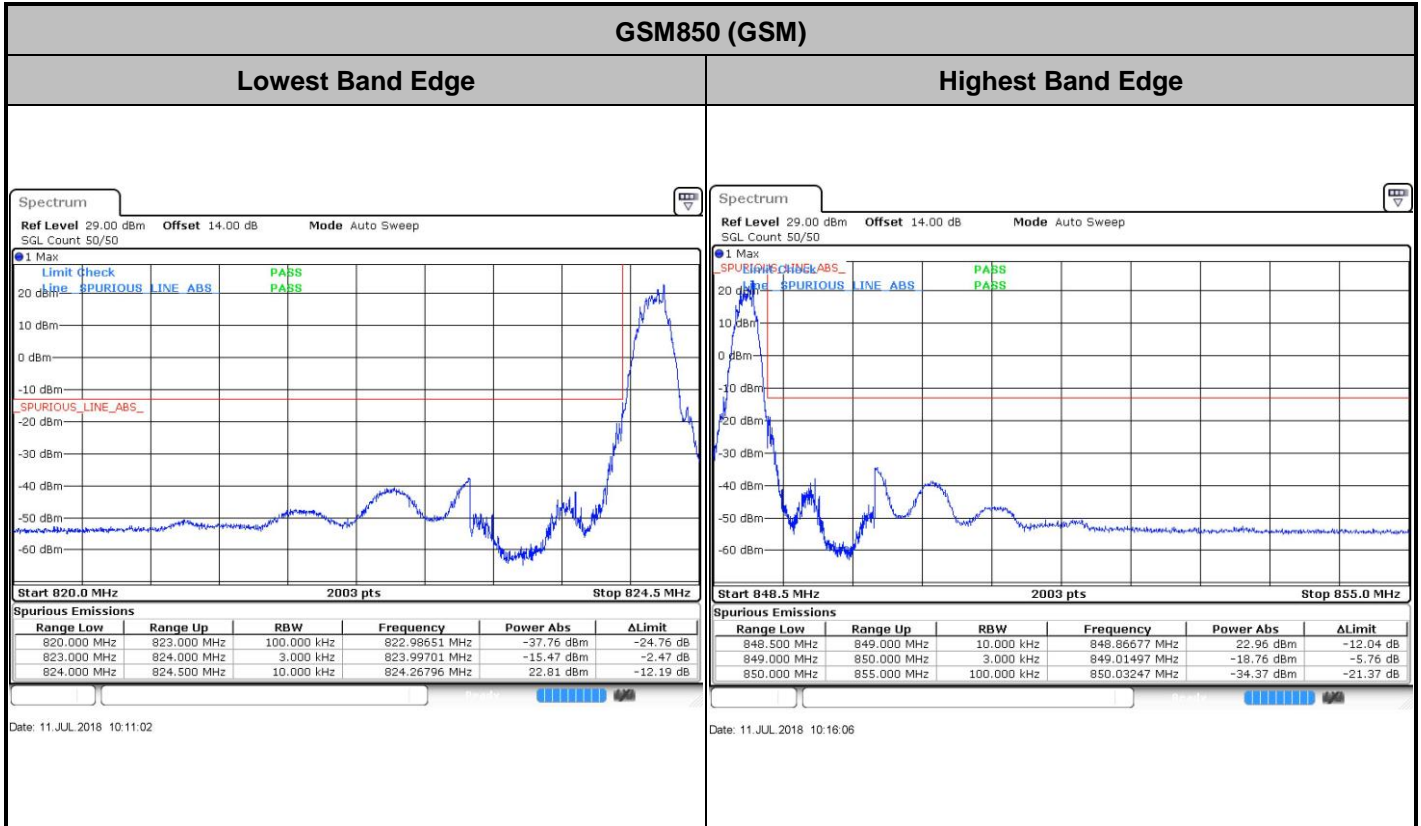
Highest Channel



Date: 12 JUL 2018 14:54:07

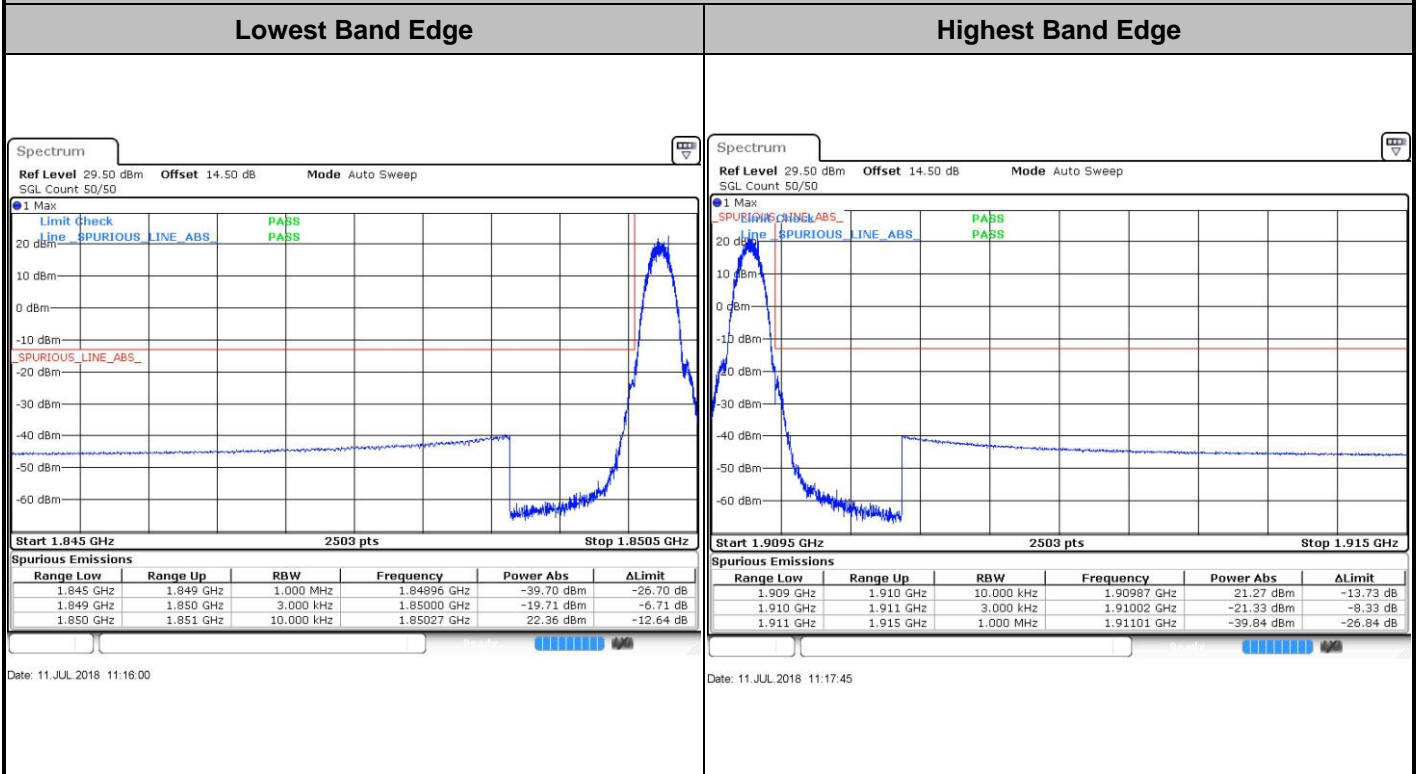


Conducted Band Edge

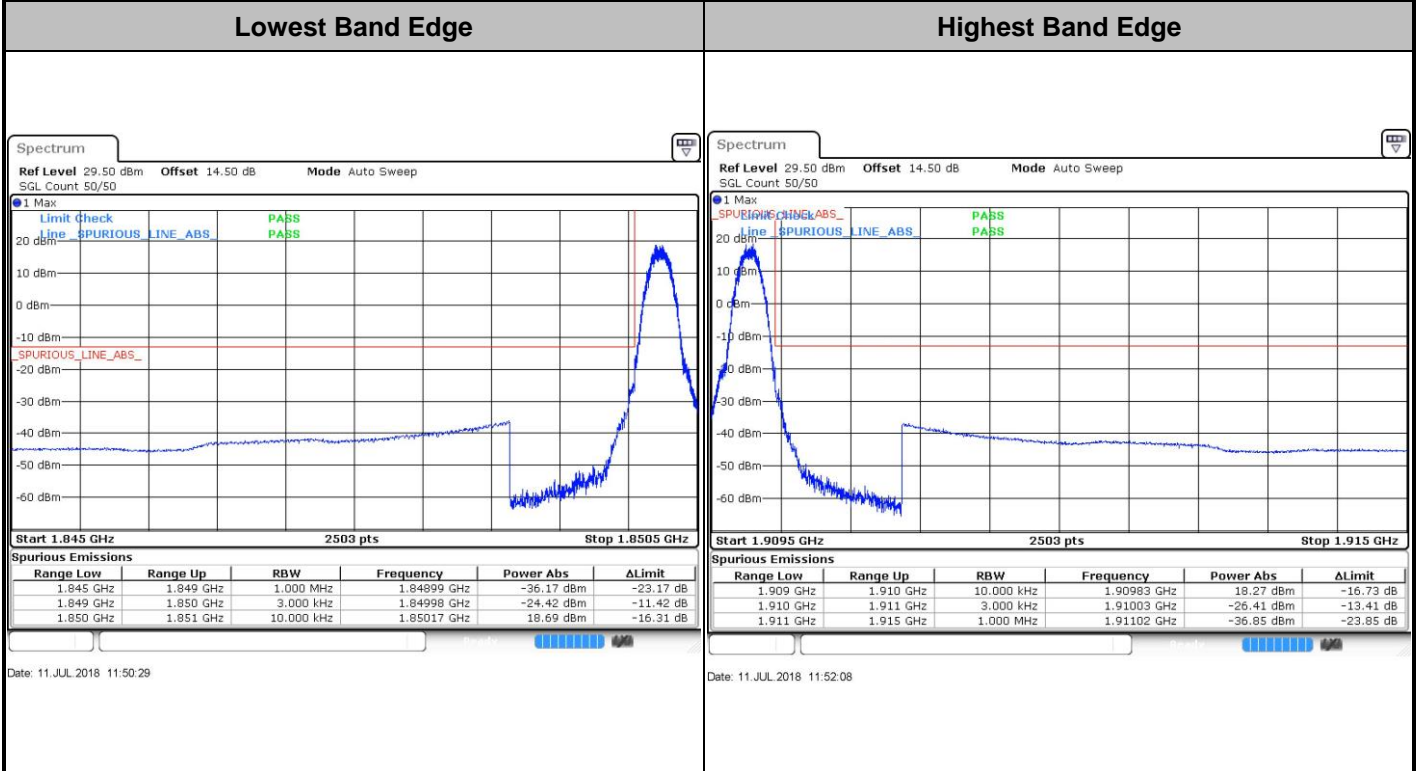




GSM1900 (GSM)

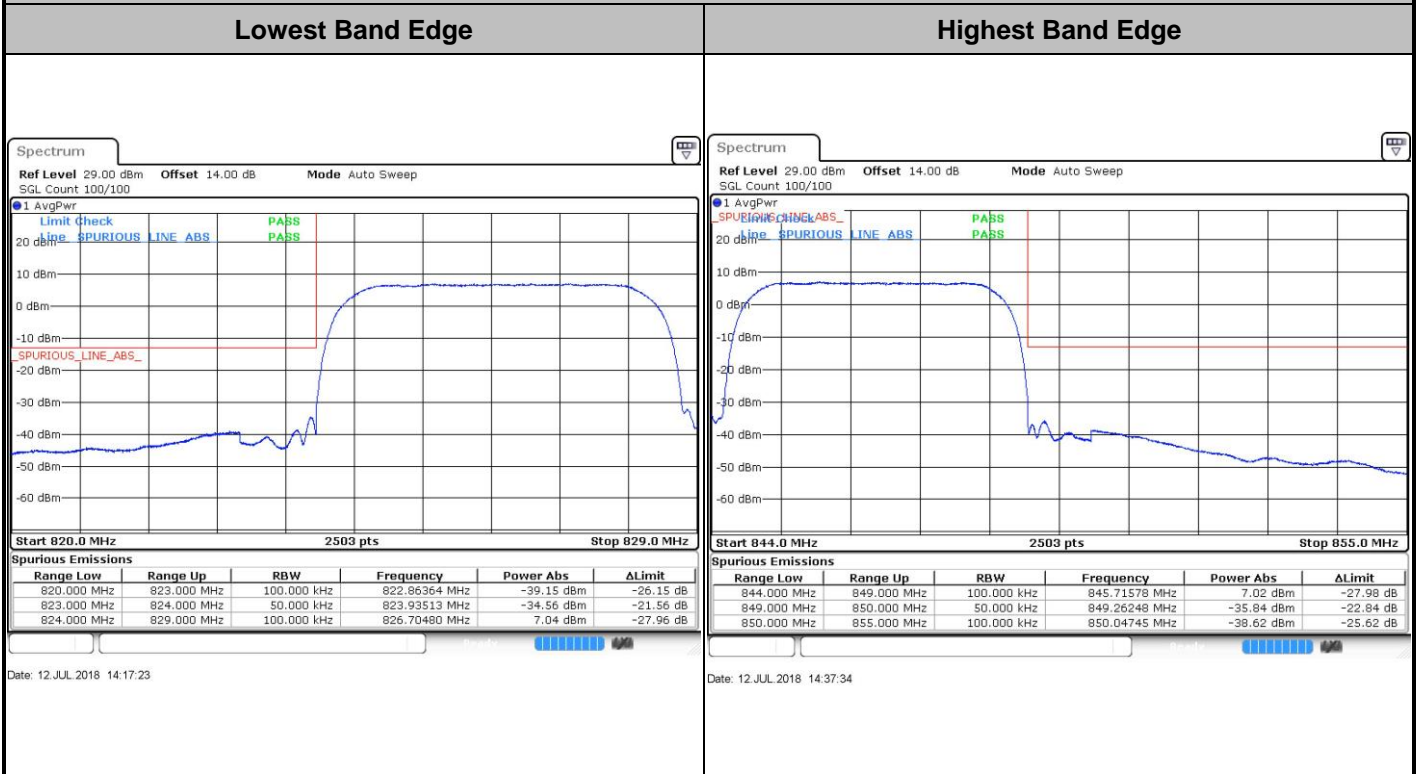


GSM1900 (EDGE class 8)

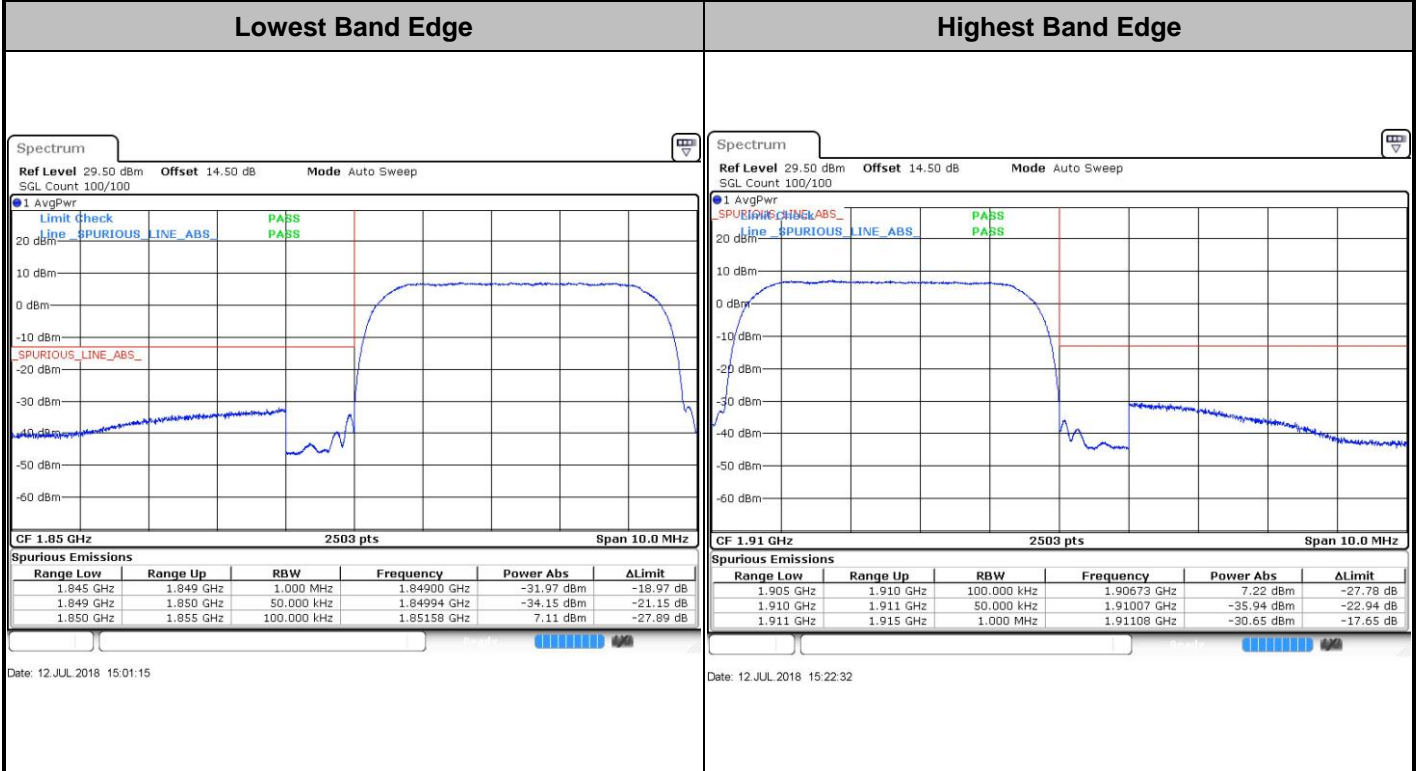




WCDMA Band V (RMC 12.2Kbps)

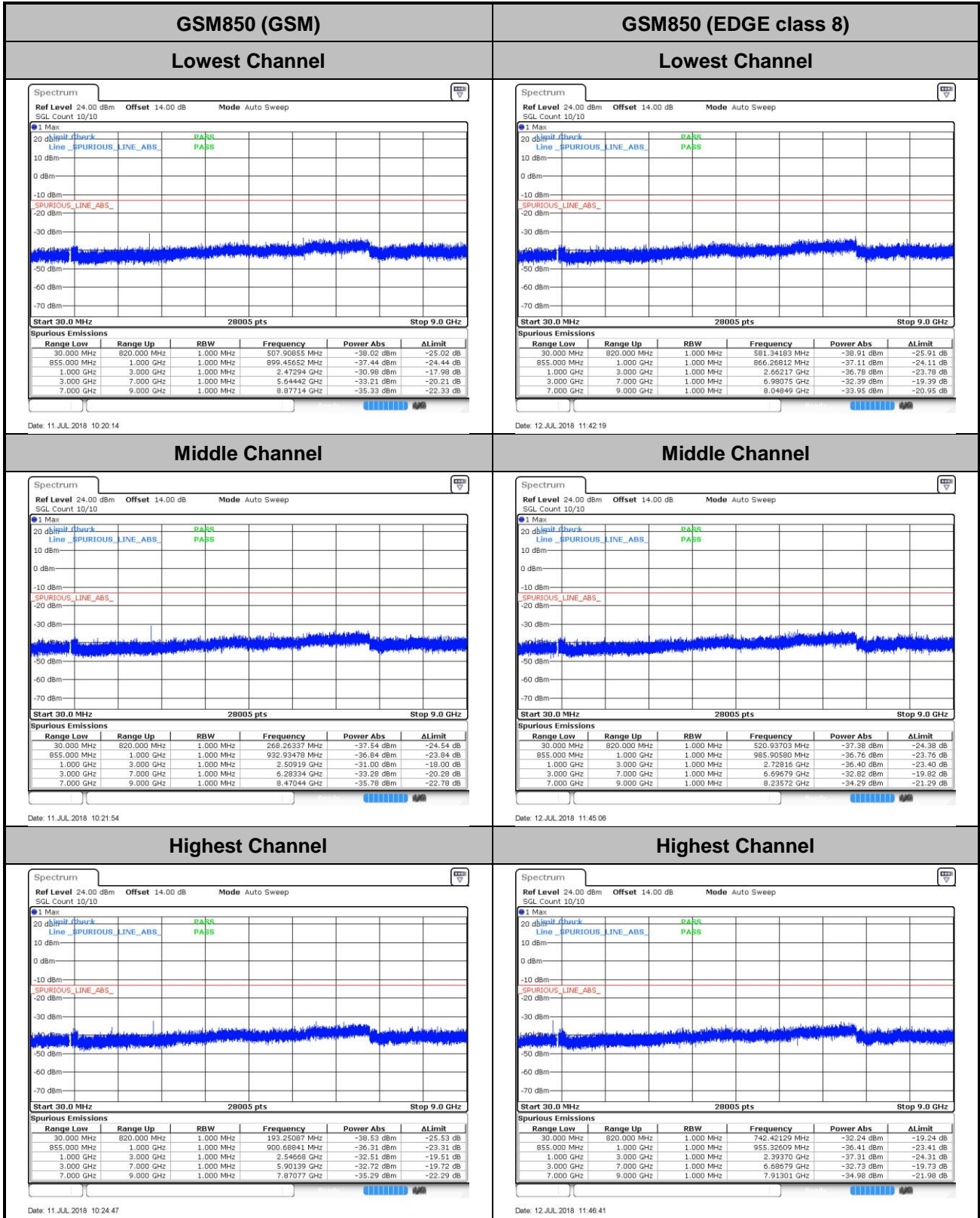


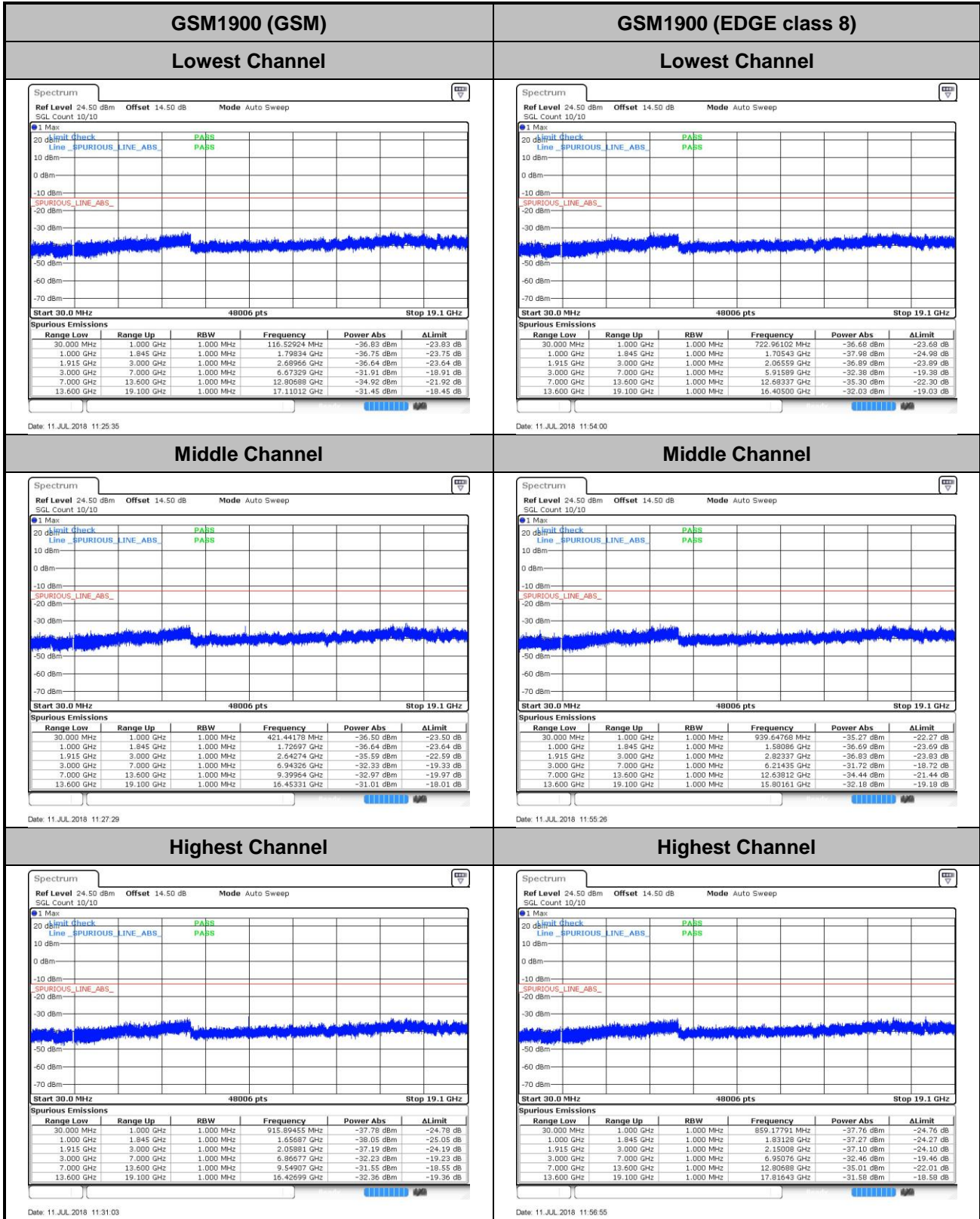
WCDMA Band II (RMC 12.2Kbps)

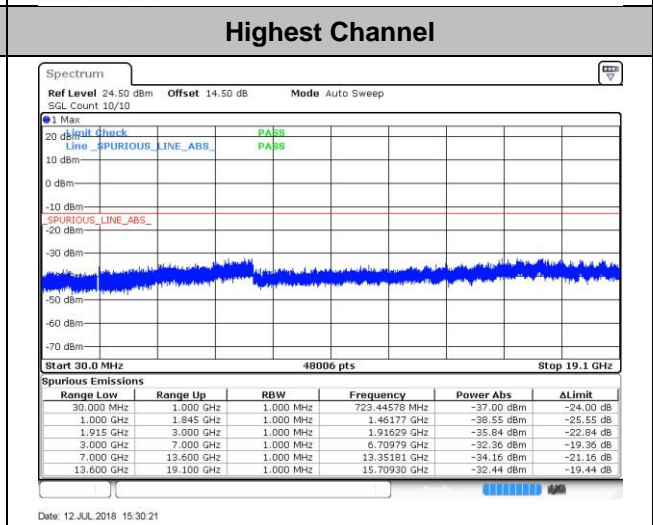
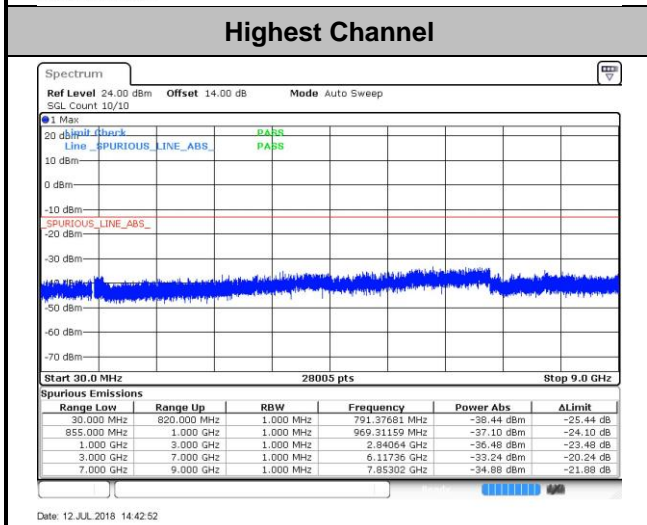
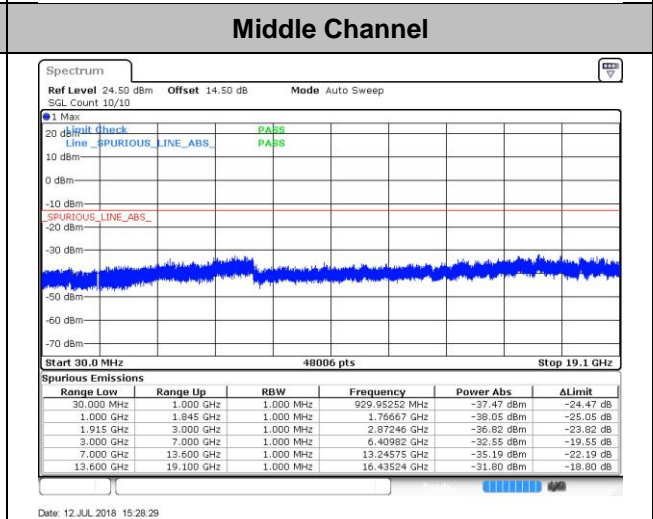
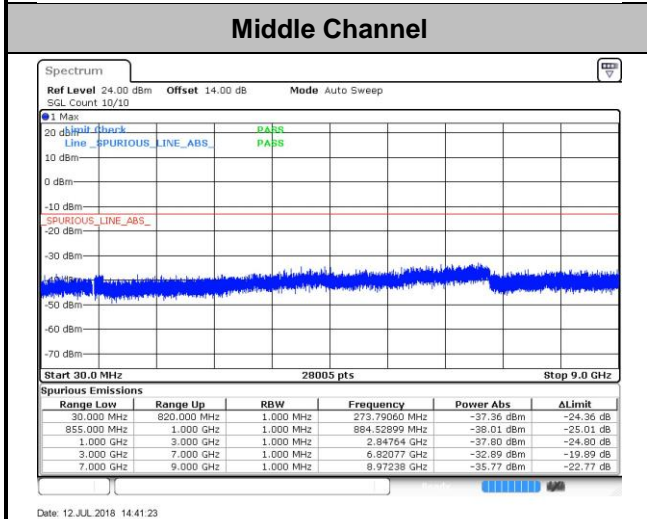
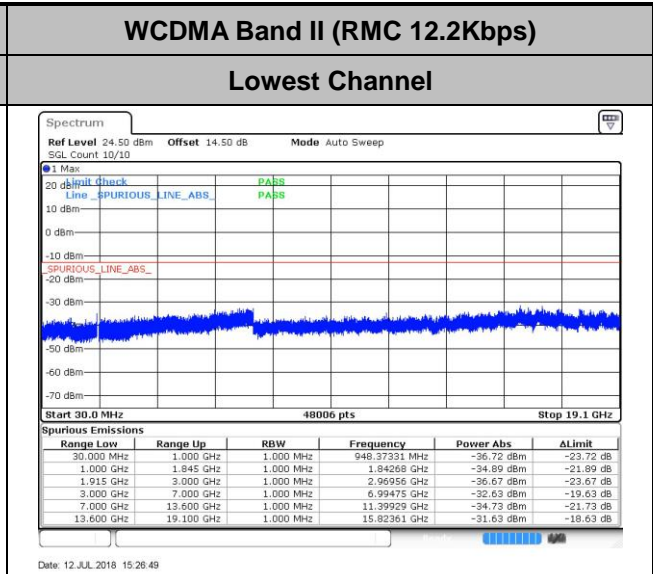
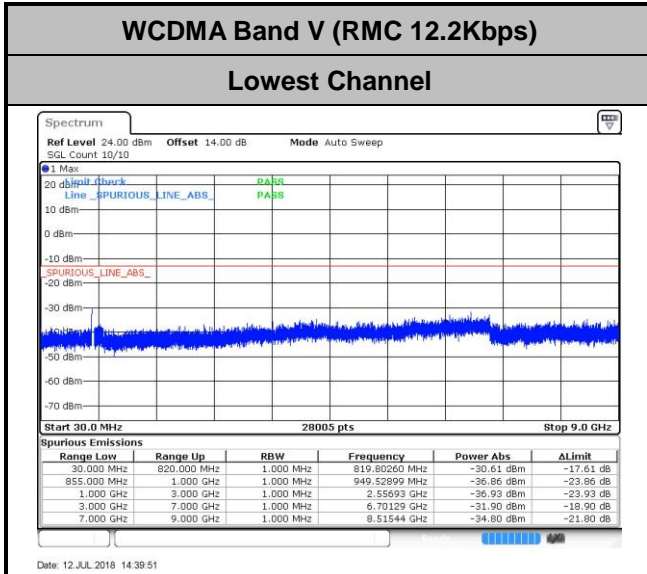




Conducted Spurious Emission









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	0.0002	0.0014	PASS
40	Normal Voltage	0.0018	0.0027	
30	Normal Voltage	0.0004	0.0027	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0018	0.0022	
0	Normal Voltage	0.0022	0.0008	
-10	Normal Voltage	0.0006	0.0048	
-20	Normal Voltage	0.0032	0.0036	
-30	Normal Voltage	0.0004	0.0004	
20	Maximum Voltage	0.0011	0.0042	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0006	0.0057	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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	0.0038	0.0018	PASS
40	Normal Voltage	0.0001	0.0023	
30	Normal Voltage	0.0018	0.0048	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0040	0.0030	
0	Normal Voltage	0.0007	0.0027	
-10	Normal Voltage	0.0026	0.0028	
-20	Normal Voltage	0.0010	0.0044	
-30	Normal Voltage	0.0040	0.0023	
20	Maximum Voltage	0.0011	0.0024	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0013	0.0030	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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	0.0006	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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	0.0037	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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.



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	-50.08	-13	-37.08	-57.61	-54.49	2.84	9.40	H
	2509.2	-57.40	-13	-44.40	-67.82	-62.15	3.70	10.60	H
	3345.6	-66.01	-13	-53.01	-76.43	-72.09	4.37	12.60	H
	4182	-57.13	-13	-44.13	-71.89	-62.75	4.85	12.62	H
	1672.8	-66.59	-13	-53.59	-71.30	-71.00	2.84	9.40	V
	2509.2	-64.82	-13	-51.82	-74.65	-69.57	3.70	10.60	V
	3345.6	-69.45	-13	-56.45	-79.28	-75.53	4.37	12.60	V
	4182	-64.79	-13	-51.79	-78.36	-70.41	4.85	12.62	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	-56.23	-13	-43.23	-61.79	-60.64	2.84	9.40	H
	2509.2	-51.14	-13	-38.14	-61.73	-55.89	3.7	10.60	H
	3345.6	-59.45	-13	-46.45	-74.21	-65.53	4.37	12.60	H
	4182	-50.31	-13	-37.31	-67.88	-55.93	4.85	12.62	H
	1672.8	-63.95	-13	-50.95	-68.66	-68.36	2.84	9.40	V
	2509.2	-64.20	-13	-51.20	-74.03	-68.95	3.70	10.60	V
	3345.6	-64.98	-13	-51.98	-78.55	-71.06	4.37	12.60	V
	4182	-58.51	-13	-45.51	-76.22	-64.13	4.85	12.62	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	-49.47	-13	-36.47	-63.09	-57.07	5.00	12.60	H
	5640.00	-60.01	-13	-47.01	-76.61	-65.81	7.30	13.10	H
	7520.00	-59.00	-13	-46.00	-78.98	-62.57	7.73	11.30	H
	9400.00	-41.37	-13	-28.37	-66.09	-45.15	8.12	11.90	H
	3760.00	-40.97	-13	-27.97	-55.88	-48.57	5.00	12.60	V
	5640.00	-53.72	-13	-40.72	-70.25	-59.52	7.30	13.10	V
	7520.00	-59.55	-13	-46.55	-79.19	-63.12	7.73	11.30	V
	9400.00	-47.24	-13	-34.24	-71.22	-51.02	8.12	11.90	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	-45.59	-13	-32.59	-59.21	-53.19	5.00	12.60	H
	5640.00	-57.98	-13	-44.98	-74.58	-63.78	7.30	13.10	H
	7520.00	-59.16	-13	-46.16	-79.14	-62.73	7.73	11.30	H
	9400.00	-40.78	-13	-27.78	-65.50	-44.56	8.12	11.90	H
	3760.00	-42.34	-13	-29.34	-56.67	-49.94	5.00	12.60	V
	5640.00	-53.95	-13	-40.95	-70.48	-59.75	7.30	13.10	V
	7520.00	-59.14	-13	-46.14	-78.78	-62.71	7.73	11.30	V
	9400.00	-41.94	-13	-28.94	-65.92	-45.72	8.12	11.90	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	1672.8	-71.18	-13	-58.18	-76.74	-75.59	2.84	9.40	H
	2509.2	-67.27	-13	-54.27	-77.69	-72.02	3.7	10.60	H
	3345.6	-52.95	-13	-39.95	-67.71	-59.03	4.37	12.60	H
	4182	-62.18	-13	-49.18	-79.75	-67.80	4.85	12.62	H
	1672.8	-73.37	-13	-60.37	-78.08	-77.78	2.84	9.40	V
	2509.2	-69.21	-13	-56.21	-79.04	-73.96	3.70	10.60	V
	3345.6	-62.97	-13	-49.97	-76.54	-69.05	4.37	12.60	V
	4182	-63.10	-13	-50.10	-80.81	-68.72	4.85	12.62	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	-62.99	-13	-49.99	-76.61	-70.59	5.00	12.60	H
	5640.00	-61.81	-13	-48.81	-78.41	-67.61	7.30	13.10	H
	7520.00	-59.30	-13	-46.30	-79.28	-62.87	7.73	11.30	H
	9400.00	-55.30	-13	-42.30	-80.02	-59.08	8.12	11.90	H
	3760.00	-62.24	-13	-49.24	-76.57	-69.84	5.00	12.60	V
	5640.00	-62.47	-13	-49.47	-79	-68.27	7.30	13.10	V
	7520.00	-59.67	-13	-46.67	-79.31	-63.24	7.73	11.30	V
	9400.00	-56.17	-13	-43.17	-80.15	-59.95	8.12	11.90	V

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