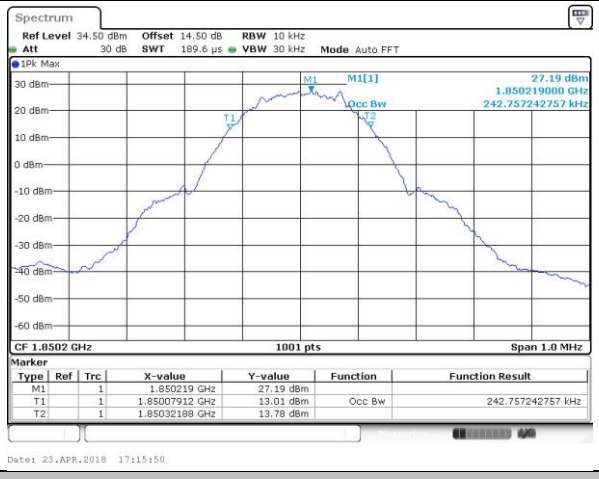
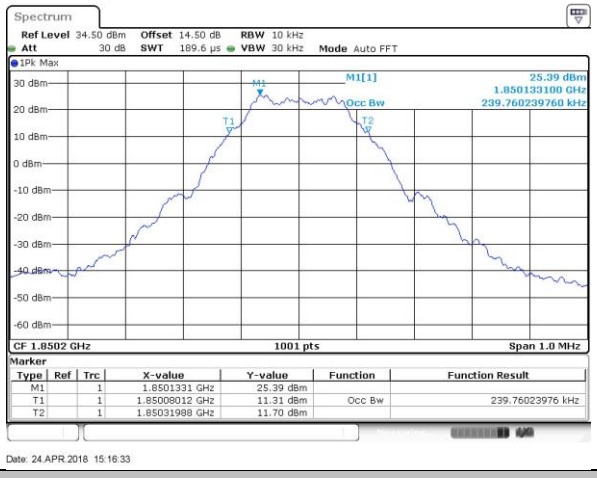
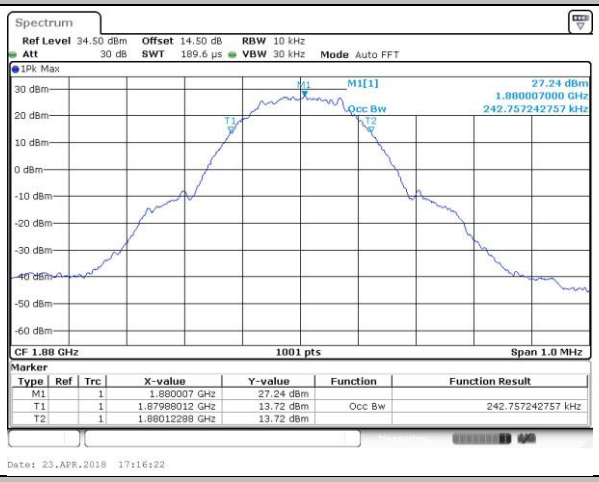
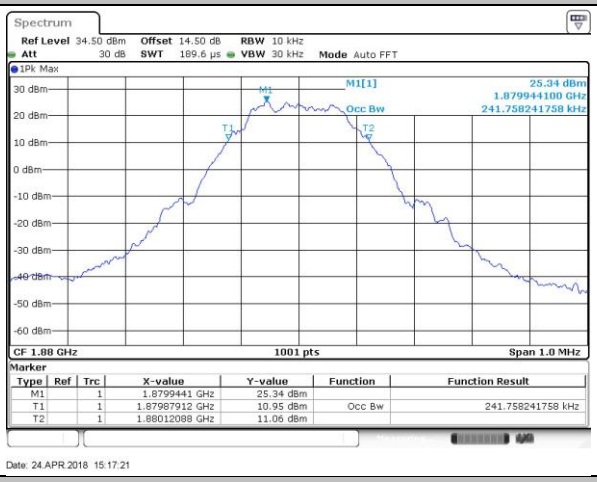
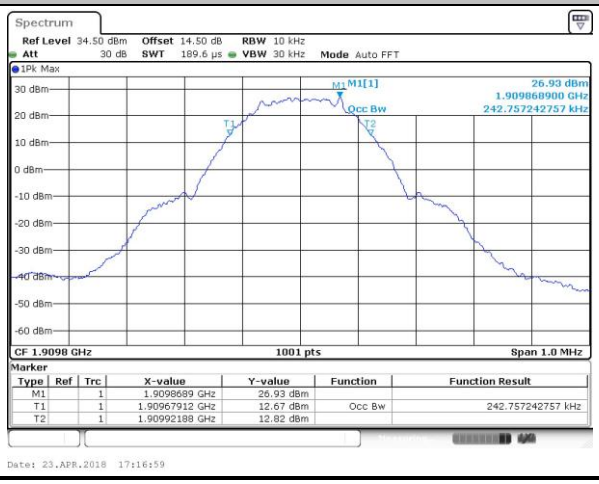
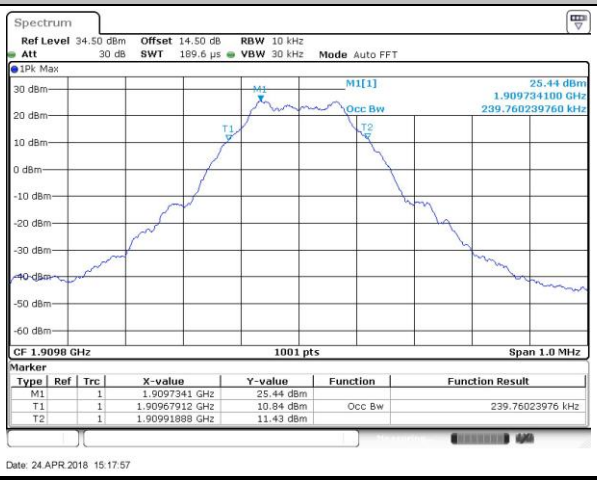
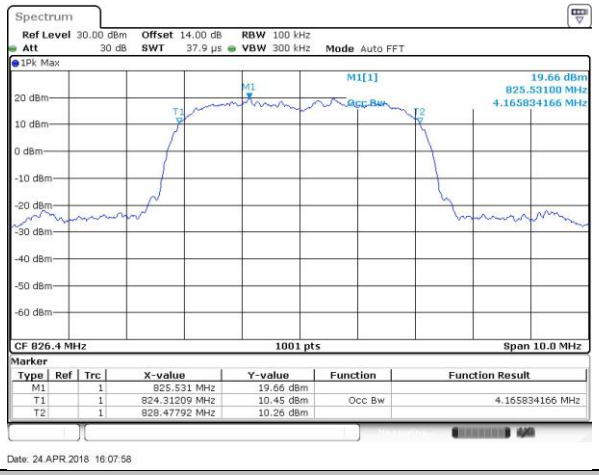
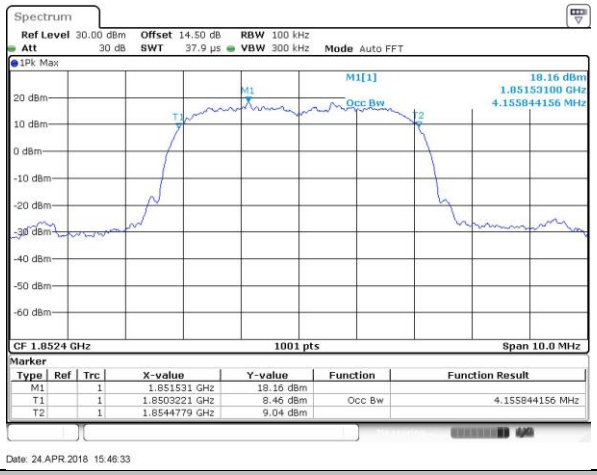
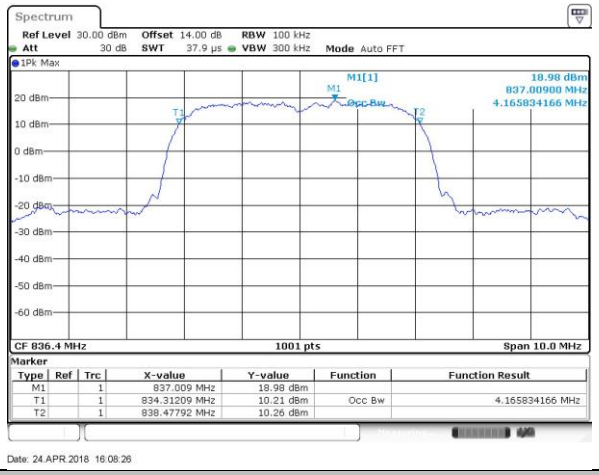
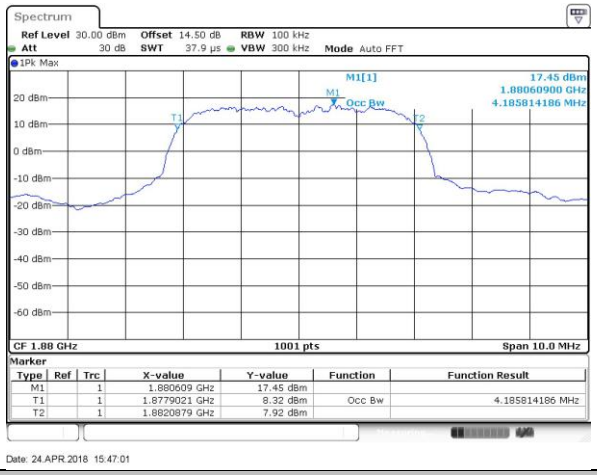
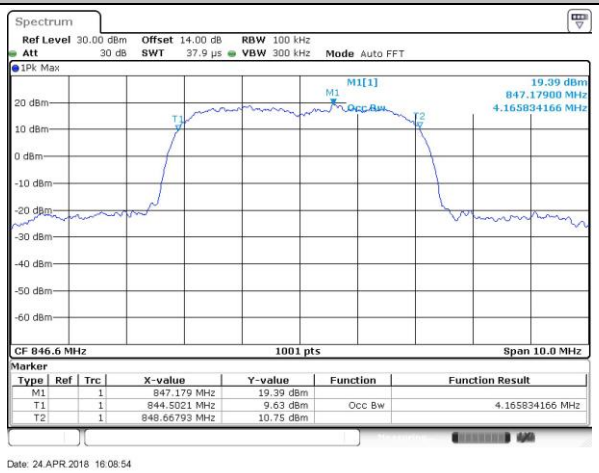
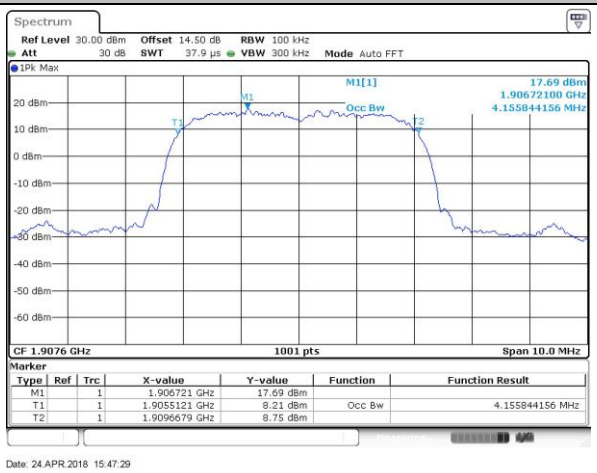
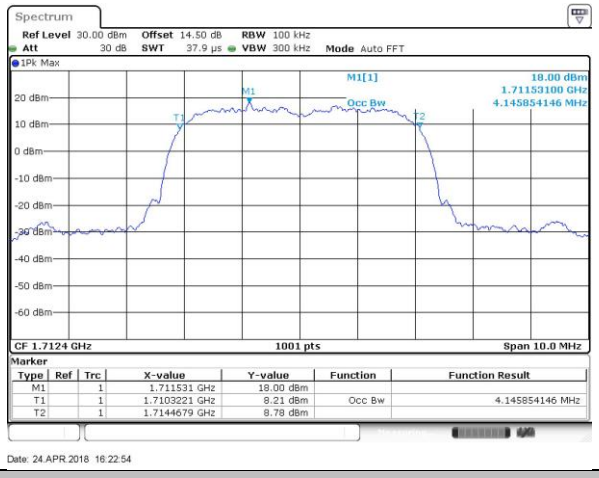
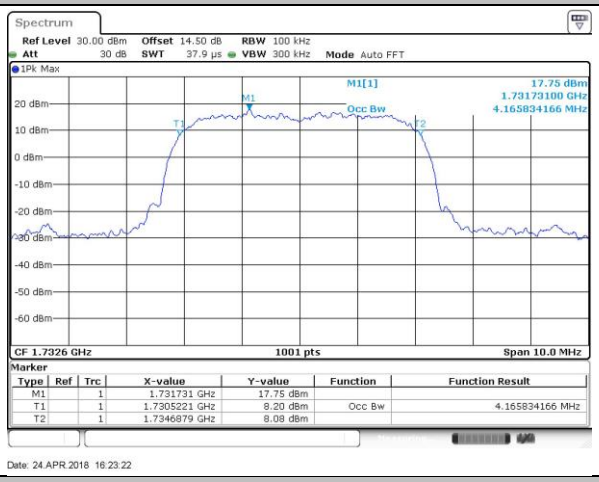
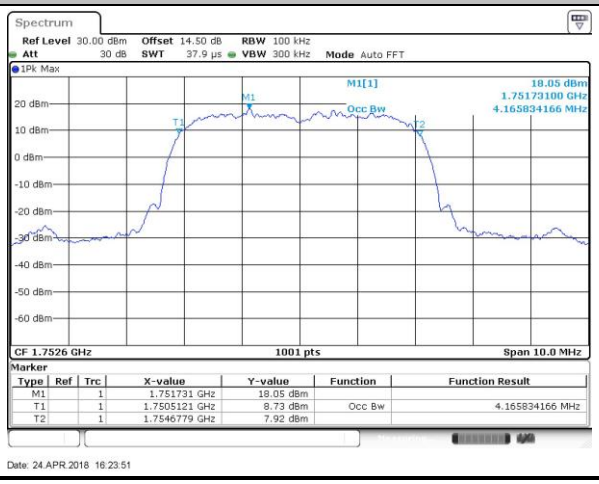
GSM1900 (GSM)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

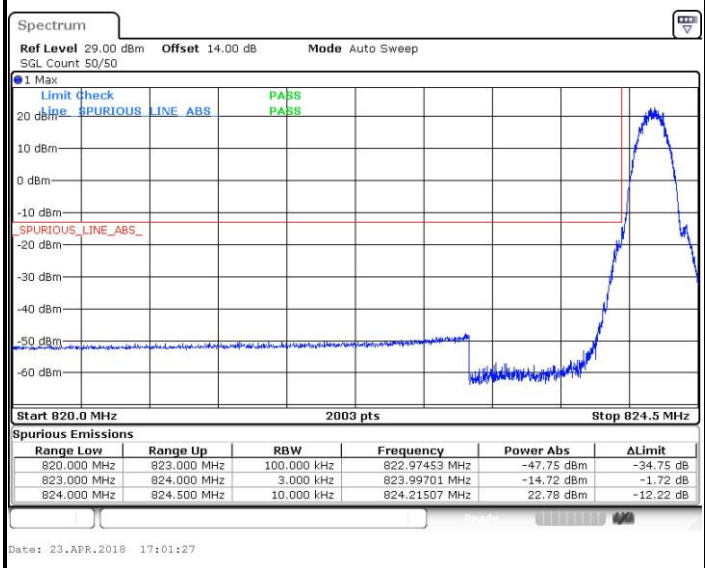
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)	
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

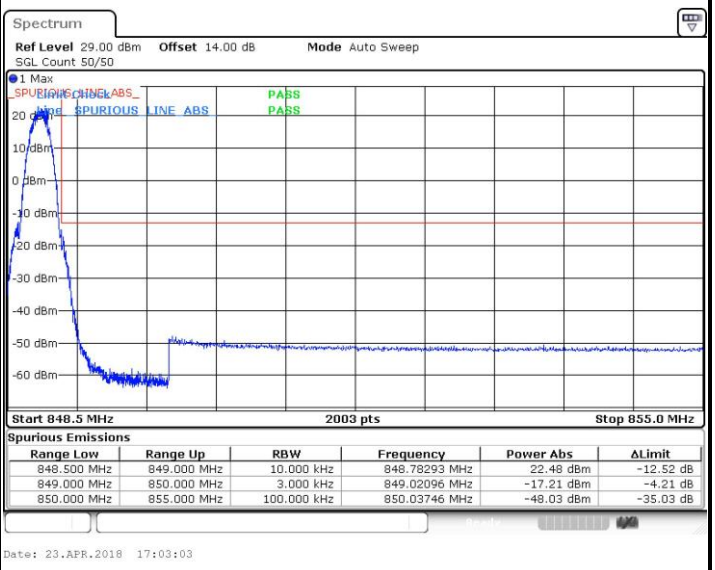
Conducted Band Edge

GSM850 (GSM)

Lowest Band Edge

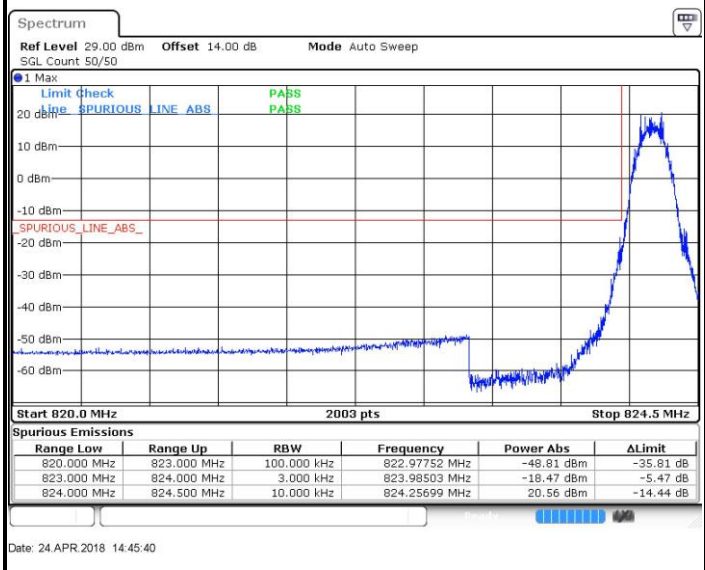


Highest Band Edge

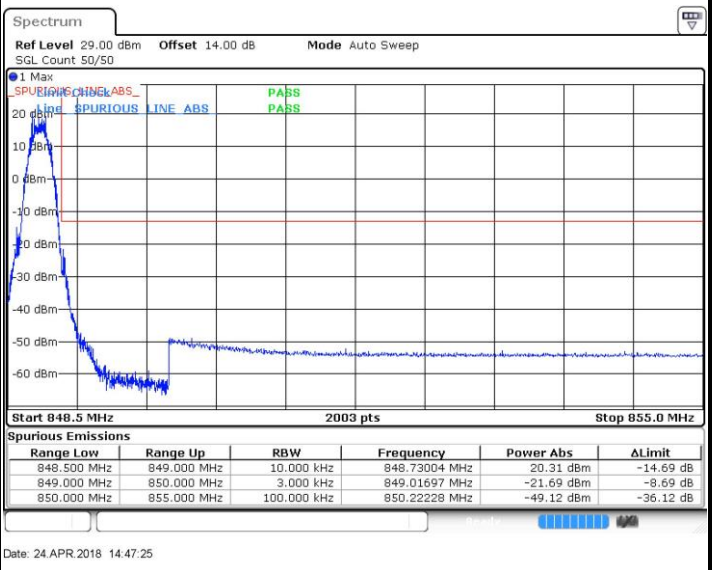


GSM850 (EDGE class 8)

Lowest Band Edge

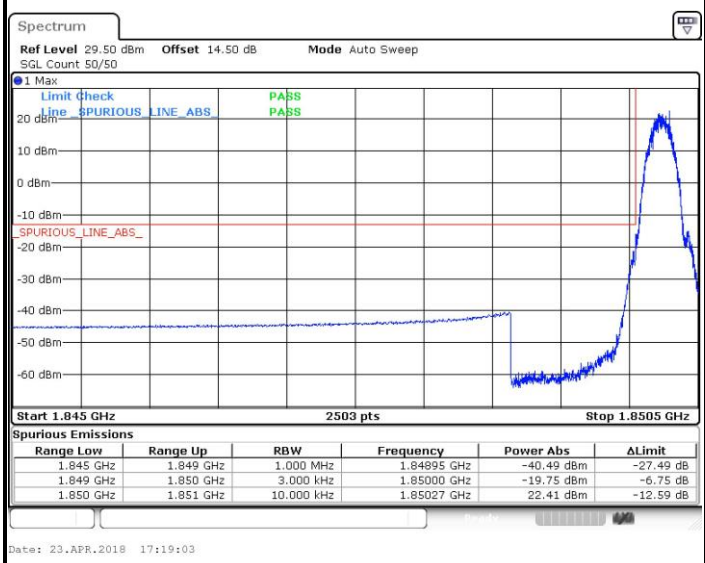


Highest Band Edge

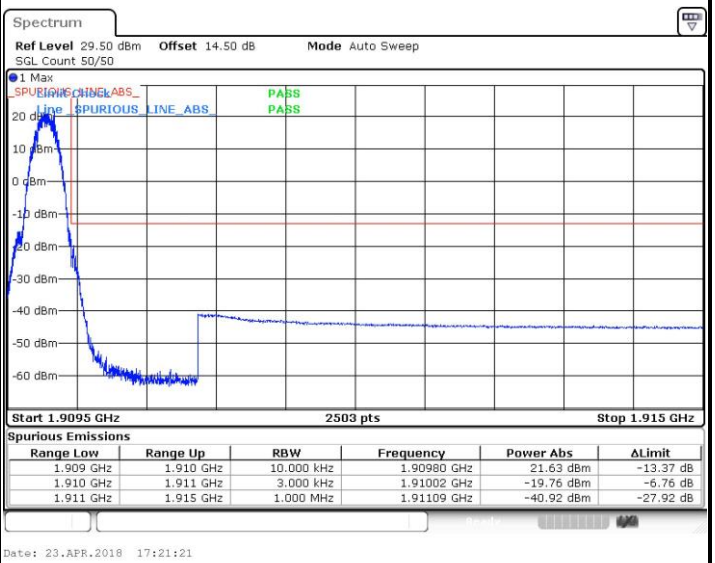


GSM1900 (GSM)

Lowest Band Edge

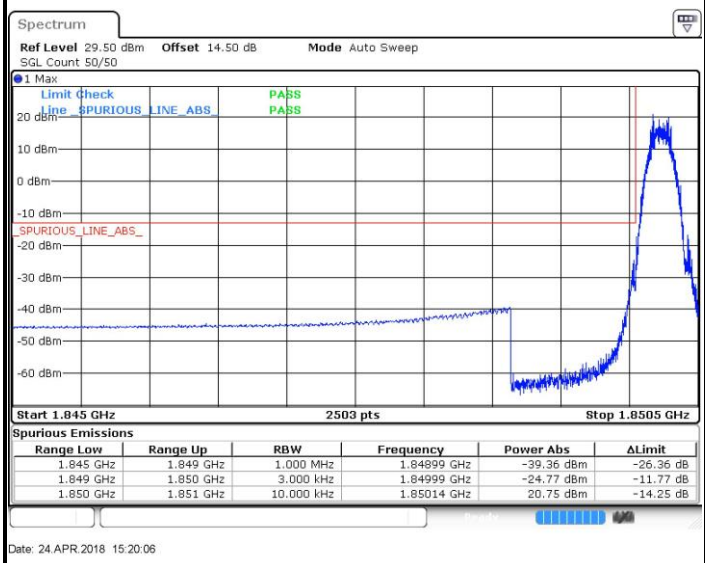


Highest Band Edge

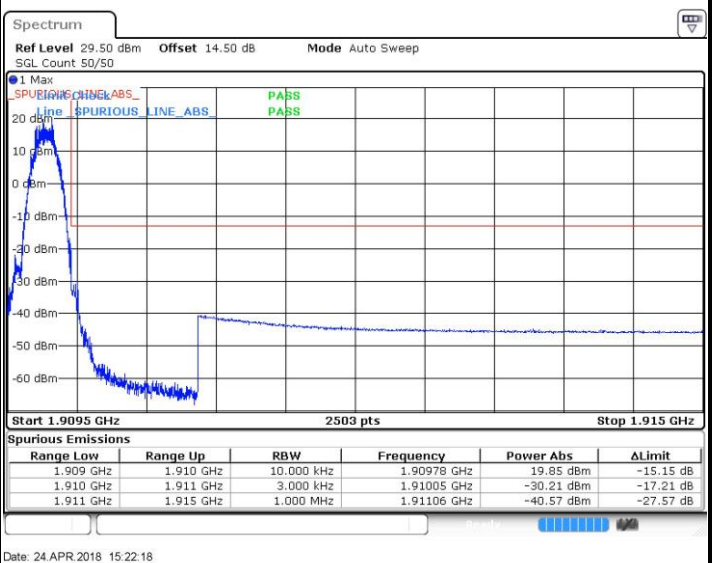


GSM1900 (EDGE class 8)

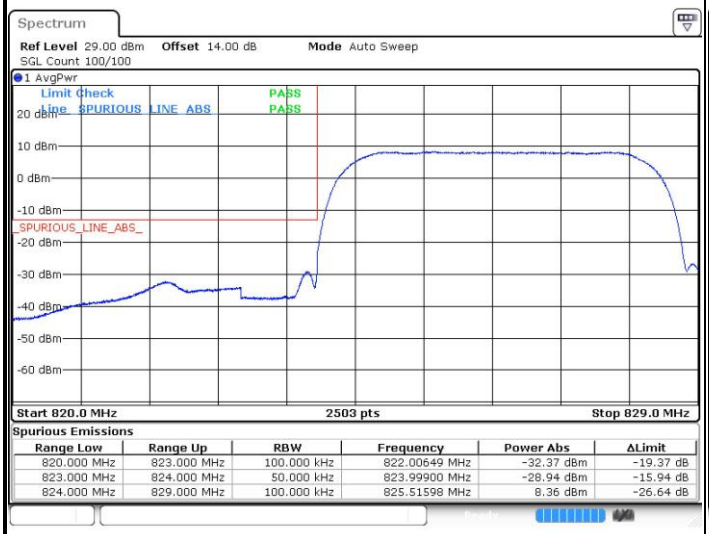
Lowest Band Edge

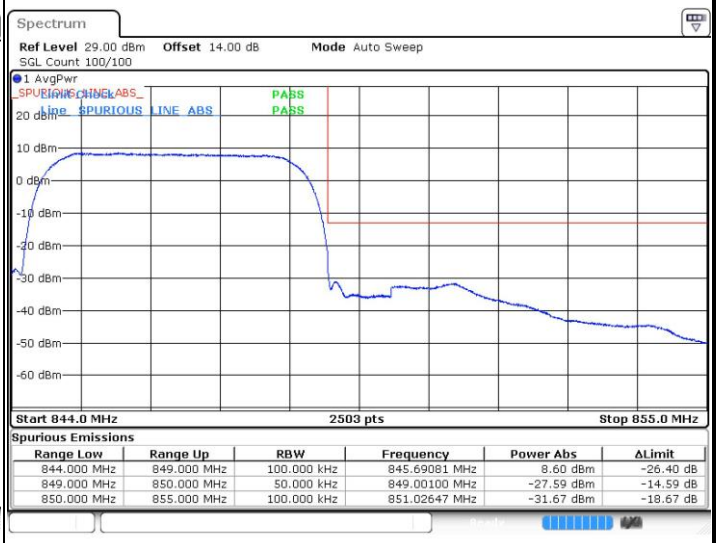


Highest Band Edge

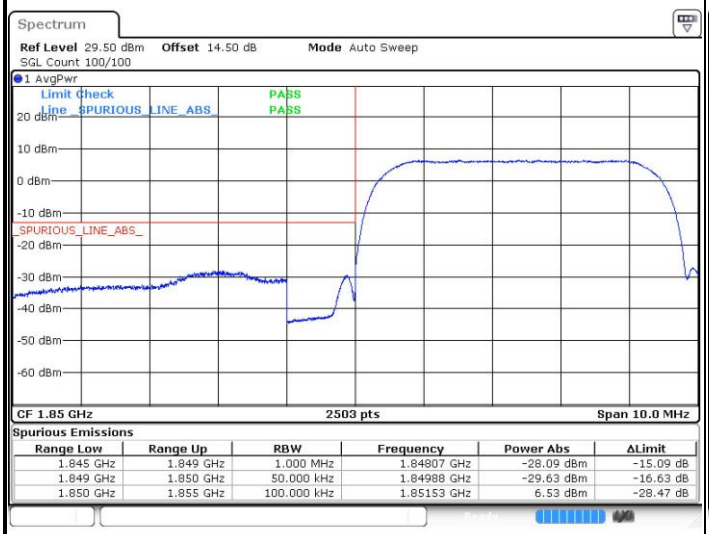


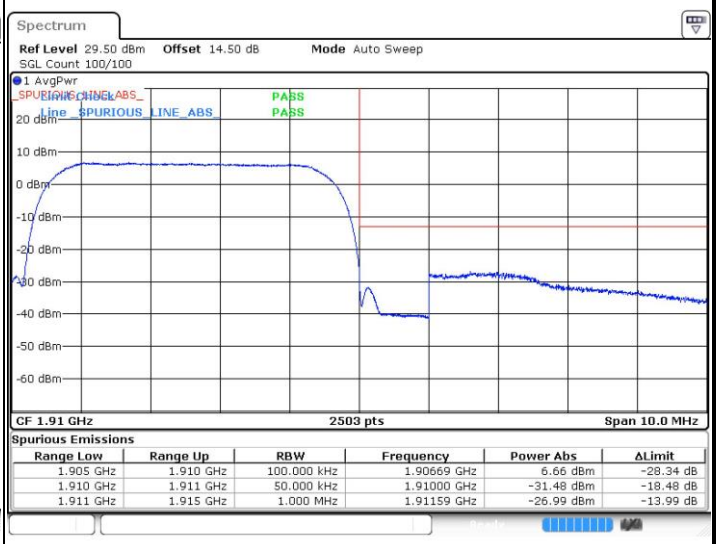
WCDMA Band V (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**



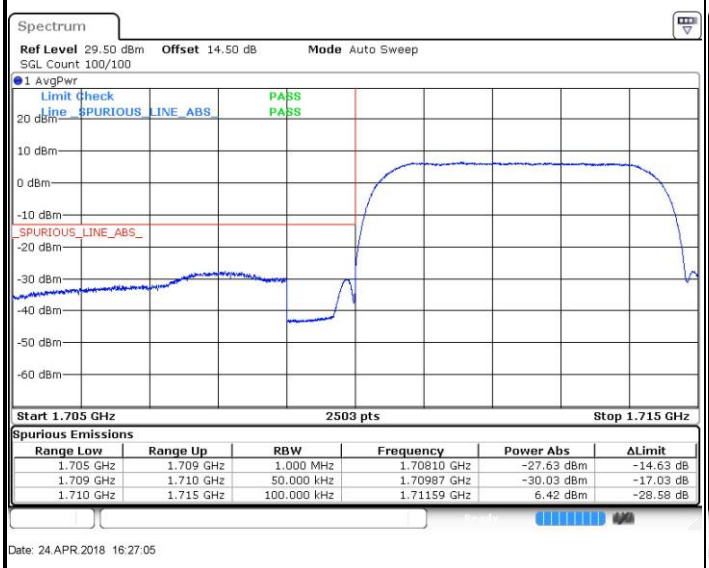


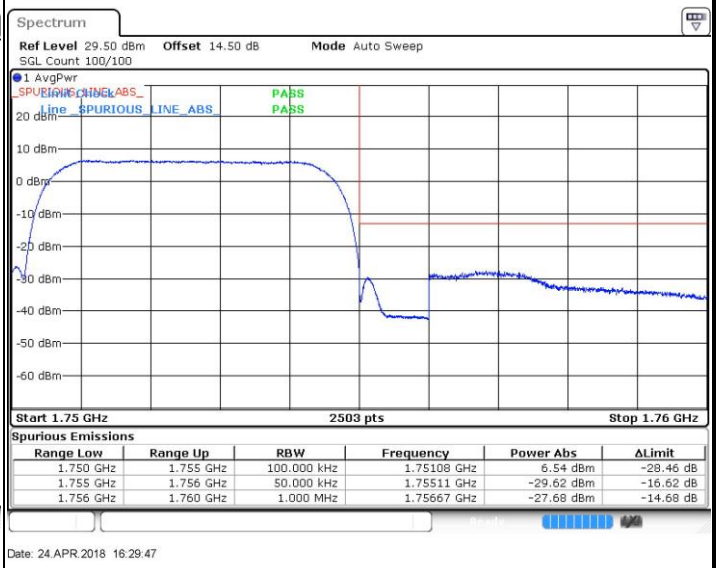
WCDMA Band II (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**





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

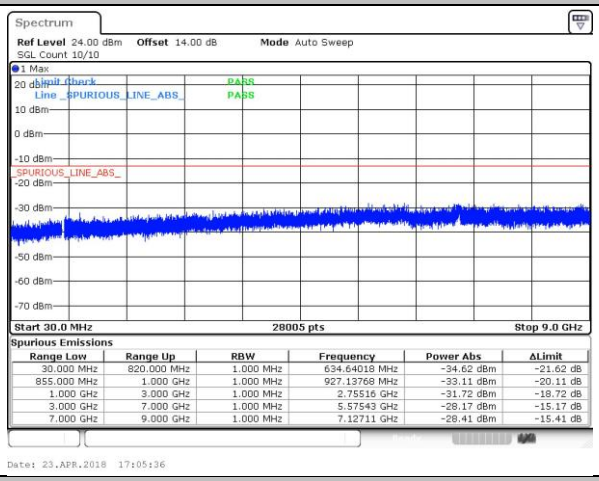




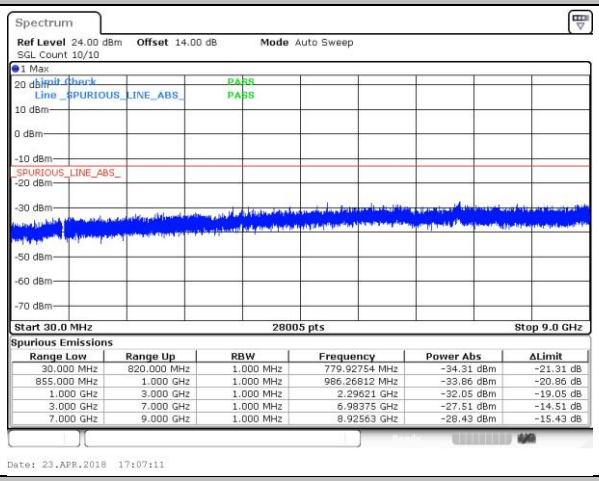
Conducted Spurious Emission

GSM850 (GSM)

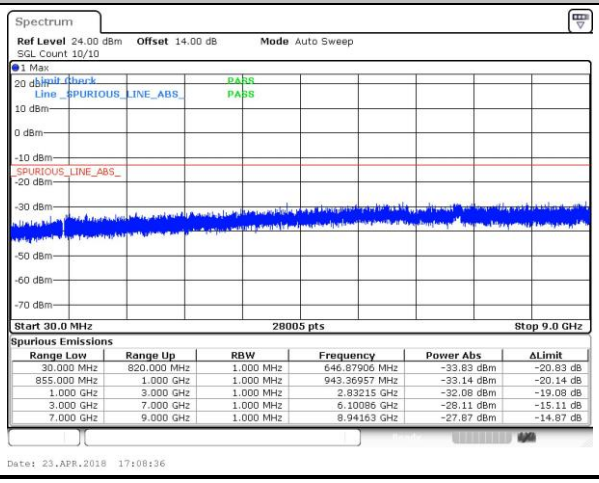
Lowest Channel



Middle Channel

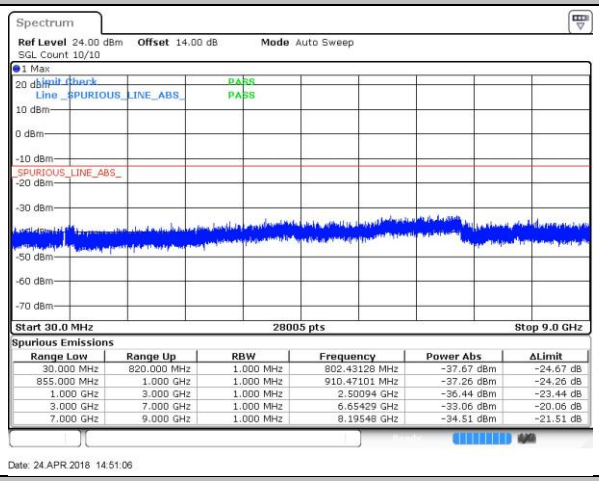


Highest Channel

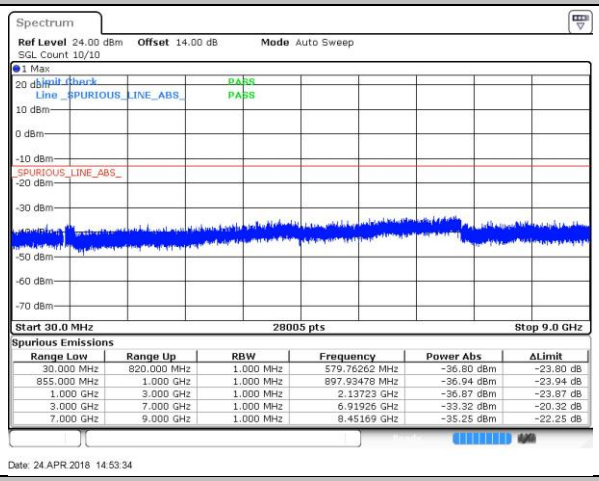


GSM850 (EDGE class 8)

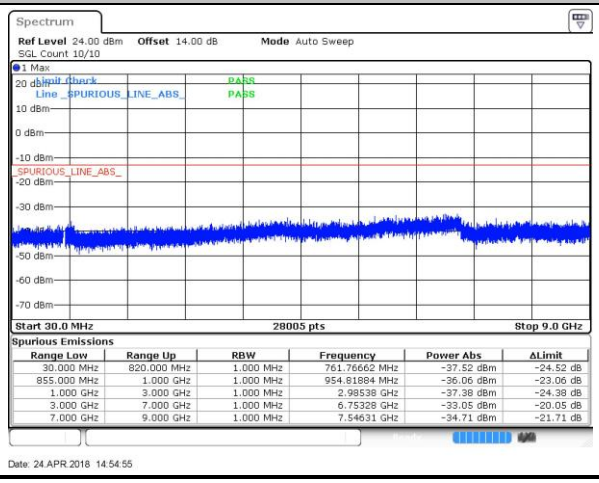
Lowest Channel

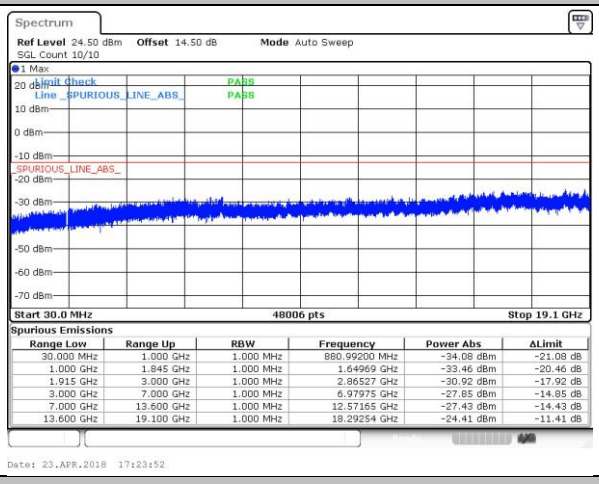
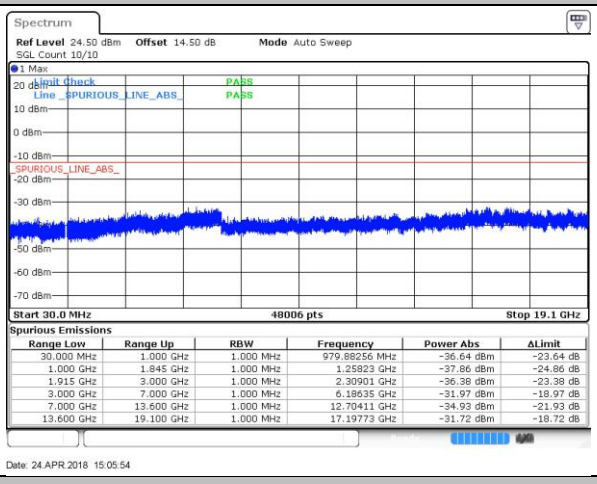
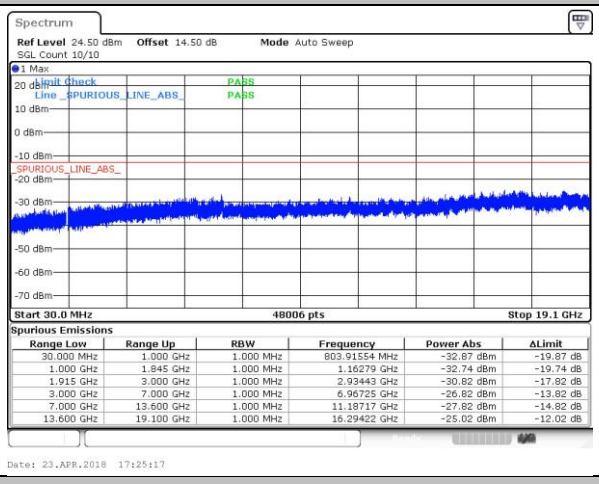
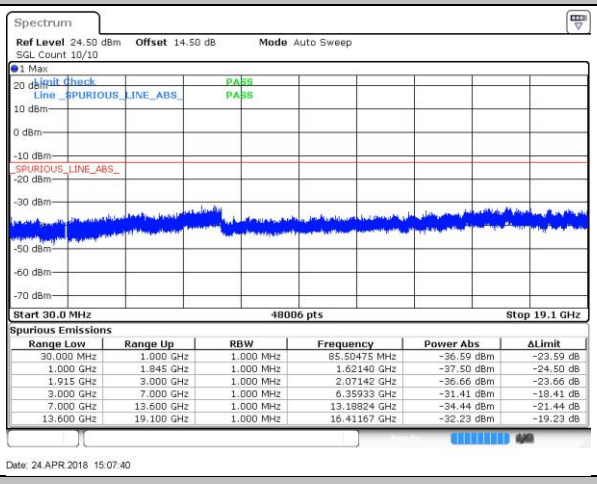
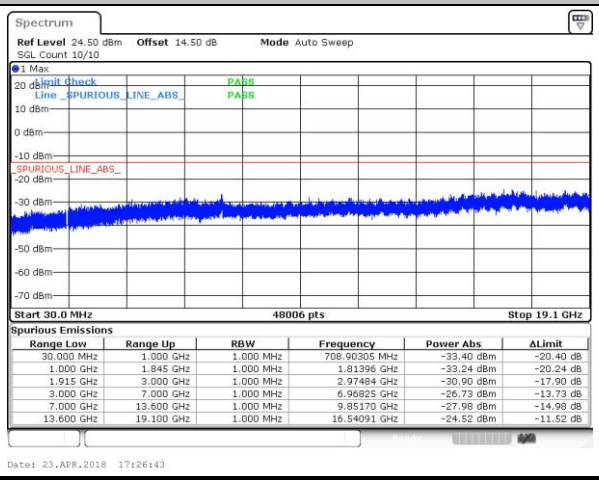
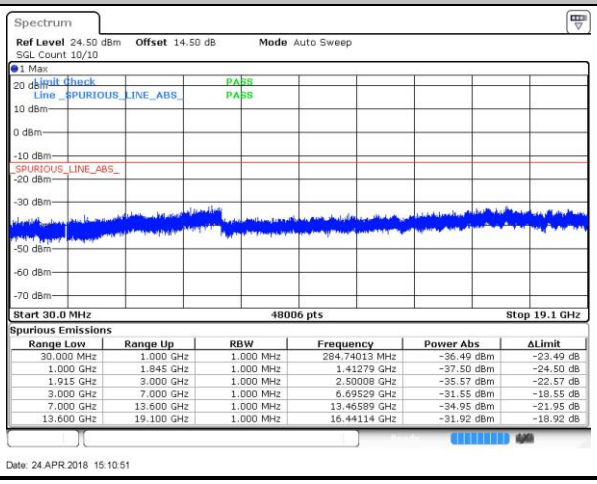


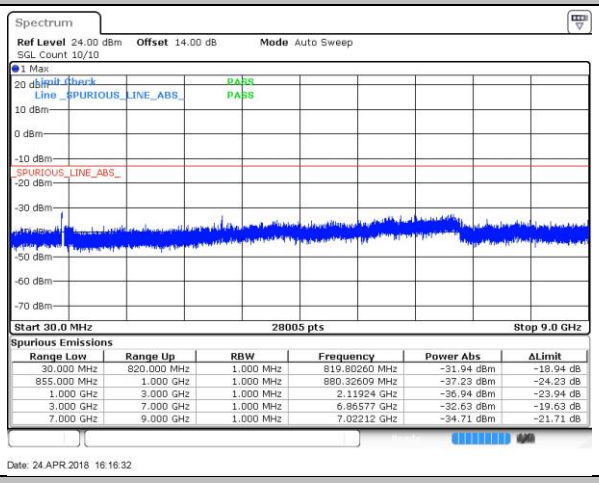
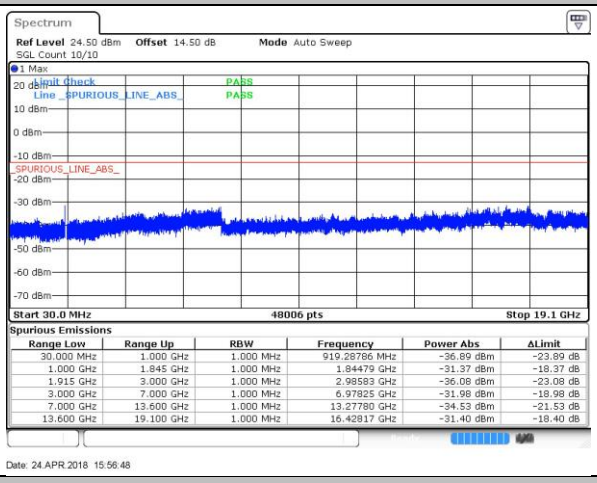
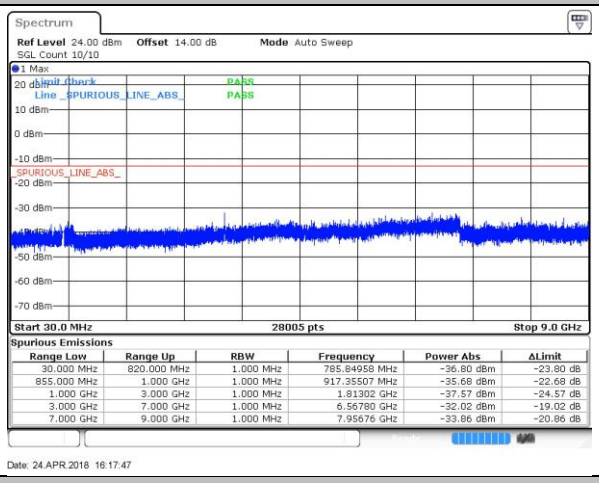
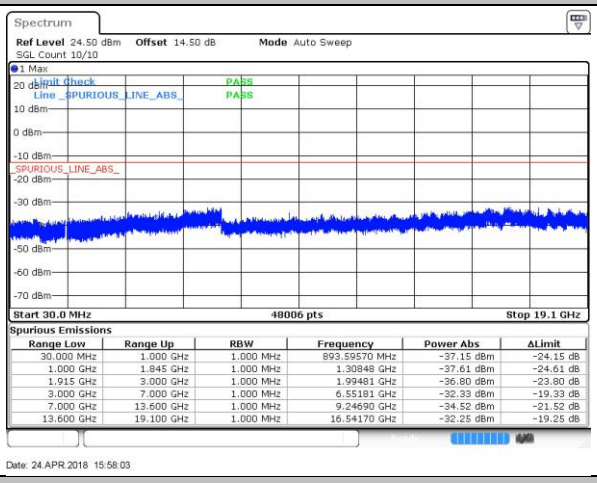
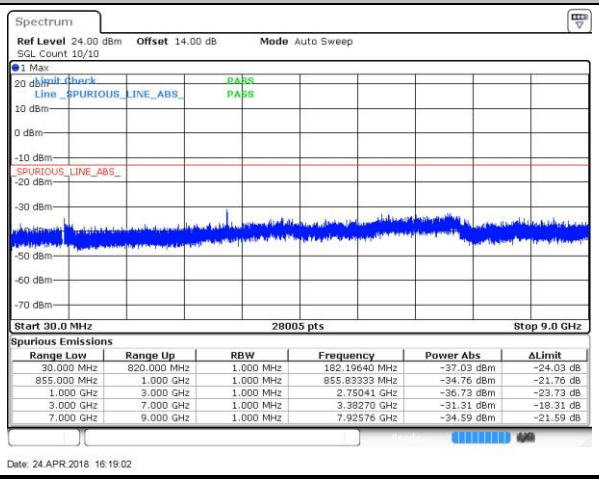
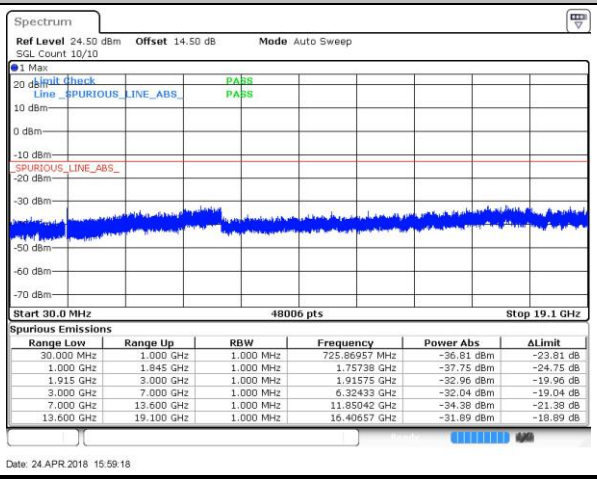
Middle Channel

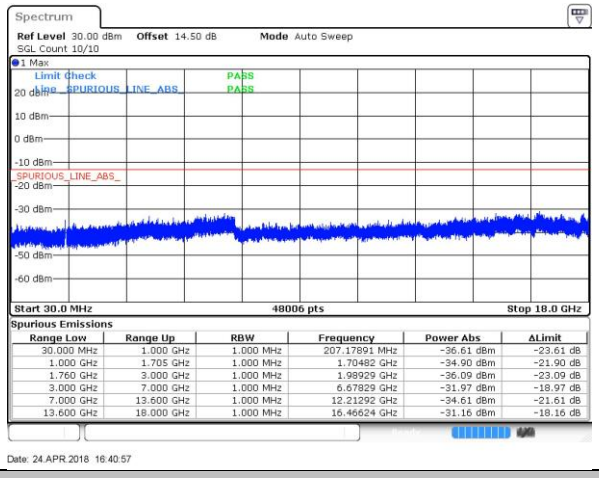
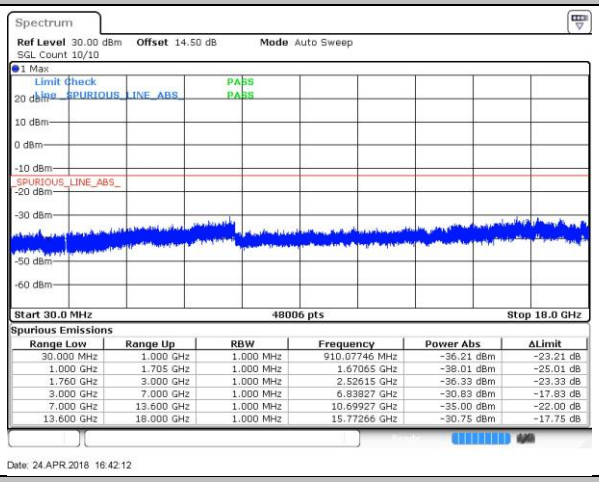
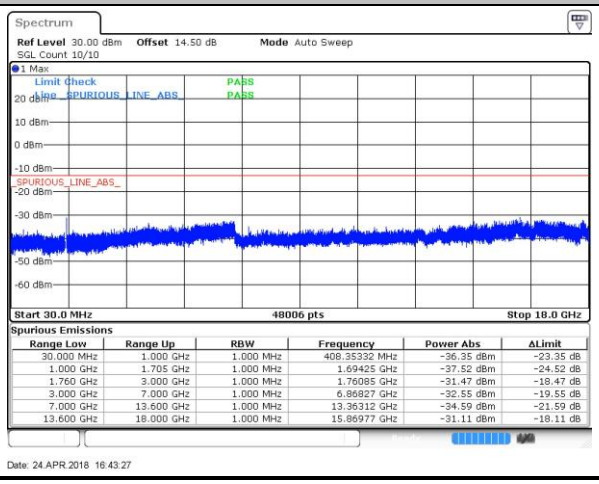


Highest Channel



GSM1900 (GSM)	GSM1900 (EDGE 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 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0263	0.0012	PASS
40	Normal Voltage	0.0072	0.0263	
30	Normal Voltage	0.0179	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0215	0.0024	
0	Normal Voltage	0.0012	0.0335	
-10	Normal Voltage	0.0060	0.0275	
-20	Normal Voltage	0.0263	0.0036	
-30	Normal Voltage	0.0227	0.0299	
20	Maximum Voltage	0.0012	0.0323	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0275	0.0048	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0186	0.0043	PASS
40	Normal Voltage	0.0016	0.0016	
30	Normal Voltage	0.0000	0.0160	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0032	0.0144	
0	Normal Voltage	0.0021	0.0021	
-10	Normal Voltage	0.0181	0.0128	
-20	Normal Voltage	0.0176	0.0027	
-30	Normal Voltage	0.0053	0.0011	
20	Maximum Voltage	0.0181	0.0133	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0021	0.0016	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 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	0.0275	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0323	
0	Normal Voltage	0.0263	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0323	
-30	Normal Voltage	0.0299	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0251	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0117	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0133	
0	Normal Voltage	0.0117	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0128	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0112	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 V

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0173	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0190	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0185	
20	Maximum Voltage	0.0202	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 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	-56.02	-13	-43.02	-57.73	-60.39	2.88	9.40	H
	2509.2	-50.54	-13	-37.54	-57.66	-56.49	2.5	10.60	H
	3345.6	-65.55	-13	-52.55	-73.55	-71.37	4.63	12.60	H
	1672.8	-55.01	-13	-42.01	-56.85	-59.38	2.88	9.40	V
	2509.2	-39.38	-13	-26.38	-49.55	-45.33	2.50	10.60	V
	3345.6	-63.93	-13	-50.93	-71.96	-69.75	4.63	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	-58.07	-13	-45.07	-59.78	-62.44	2.88	9.40	H
	2509.2	-39.15	-13	-26.15	-49.38	-45.10	2.5	10.60	H
	3345.6	-66.13	-13	-53.13	-74.13	-71.95	4.63	12.60	H
	4182	-65.99	-13	-52.99	-78.07	-71.42	5.02	12.60	H
	1672.8	-51.46	-13	-38.46	-54.33	-55.83	2.88	9.40	V
	2509.2	-37.10	-13	-24.10	-47.59	-43.05	2.50	10.60	V
	3345.6	-64.45	-13	-51.45	-72.48	-70.27	4.63	12.60	V
	4182	-66.20	-13	-53.20	-78.16	-71.63	5.02	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	-37.68	-13	-24.68	-45.28	-45.28	5.00	12.60	H
	5640.00	-48.44	-13	-35.44	-65.04	-54.24	7.30	13.10	H
	7520.00	-53.45	-13	-40.45	-73.43	-57.02	7.73	11.30	H
	9400.00	-51.25	-13	-38.25	-75.97	-55.03	8.12	11.90	H
	3760.00	-36.96	-13	-23.96	-52.85	-44.56	5.00	12.60	V
	5640.00	-50.55	-13	-37.55	-67.08	-56.35	7.30	13.10	V
	7520.00	-55.56	-13	-42.56	-75.2	-59.13	7.73	11.30	V
	9400.00	-52.57	-13	-39.57	-76.55	-56.35	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	-29.16	-13	-16.16	-45.28	-36.76	5.00	12.60	H
	5640.00	-48.44	-13	-35.44	-65.04	-54.24	7.30	13.10	H
	7520.00	-53.45	-13	-40.45	-73.43	-57.02	7.73	11.30	H
	9400.00	-51.25	-13	-38.25	-75.97	-55.03	8.12	11.90	H
	3760.00	-36.96	-13	-23.96	-52.85	-44.56	5.00	12.60	V
	5640.00	-50.55	-13	-37.55	-67.08	-56.35	7.30	13.10	V
	7520.00	-55.56	-13	-42.56	-75.2	-59.13	7.73	11.30	V
	9400.00	-52.57	-13	-39.57	-76.55	-56.35	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	-59.81	-13	-46.81	-61.52	-64.18	2.88	9.40	H
	2509.2	-51.71	-13	-38.71	-57.77	-57.66	2.5	10.60	H
	3345.6	-47.61	-13	-34.61	-55.61	-53.43	4.63	12.60	H
	4182	-60.97	-13	-47.97	-73.05	-66.40	5.02	12.60	H
	1672.8	-64.80	-13	-51.80	-66.64	-69.17	2.88	9.40	V
	2509.2	-55.96	-13	-42.96	-61.91	-61.91	2.50	10.60	V
	3345.6	-48.47	-13	-35.47	-56.50	-54.29	4.63	12.60	V
	4182	-58.09	-13	-45.09	-70.05	-63.52	5.02	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	-49.52	-13	-36.52	-63.14	-57.12	5.00	12.60	H
	5640.00	-57.16	-13	-44.16	-73.76	-62.96	7.30	13.10	H
	7520.00	-58.44	-13	-45.44	-78.42	-62.01	7.73	11.30	H
	3760.00	-57.36	-13	-44.36	-71.69	-64.96	5.00	12.60	V
	5640.00	-59.65	-13	-46.65	-76.18	-65.45	7.30	13.10	V
	7520.00	-58.68	-13	-45.68	-78.32	-62.25	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	-47.53	-13	-34.53	-61.23	-55.50	4.63	12.60	H
	5197.8	-60.84	-13	-47.84	-78.77	-67.29	6.25	12.70	H
	6930.4	-59.84	-13	-46.84	-79.46	-64.61	8.23	13.00	H
	3465.2	-55.18	-13	-42.18	-66.59	-63.15	4.63	12.6	V
	5197.8	-65.71	-13	-52.71	-79.32	-72.16	6.25	12.7	V
	6930.4	-60.36	-13	-47.36	-79.48	-65.13	8.23	13	V

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