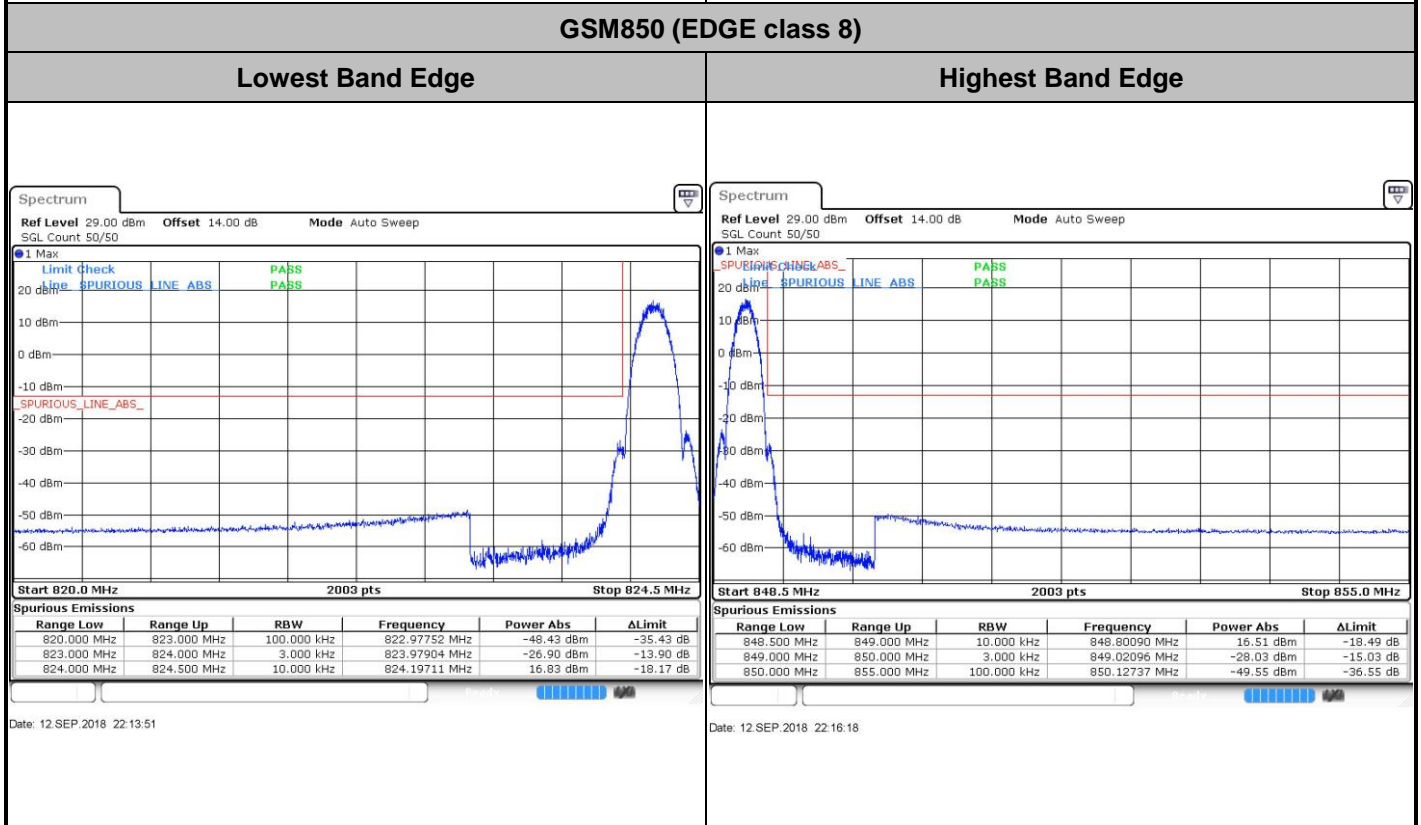
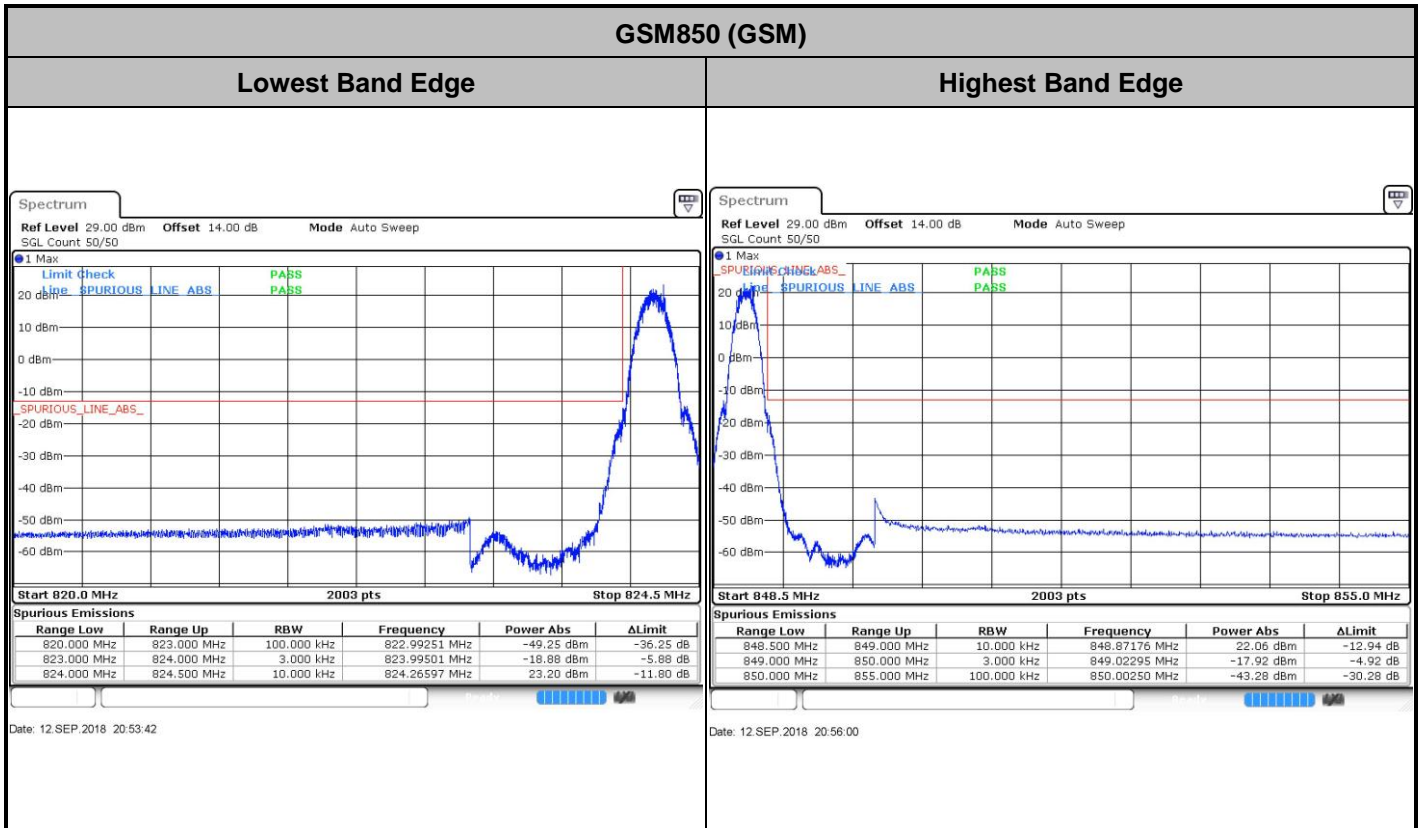




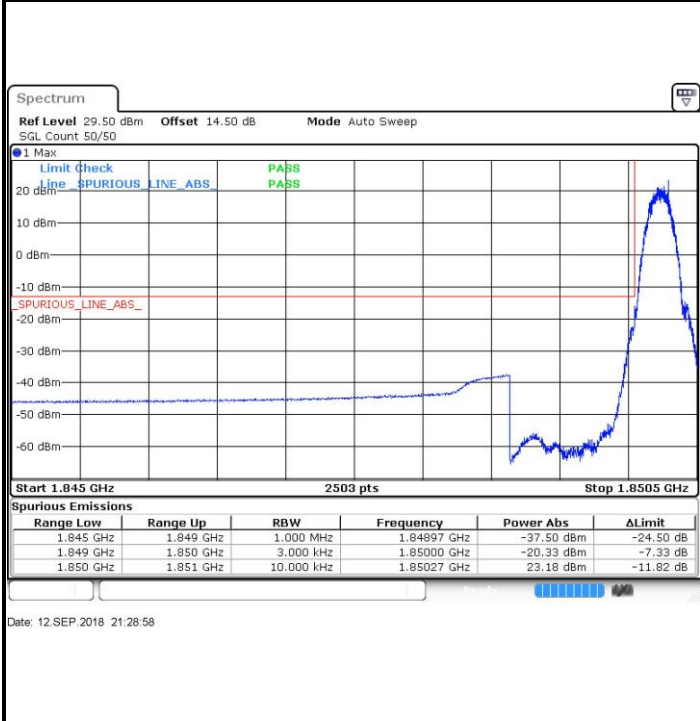
Conducted Band Edge



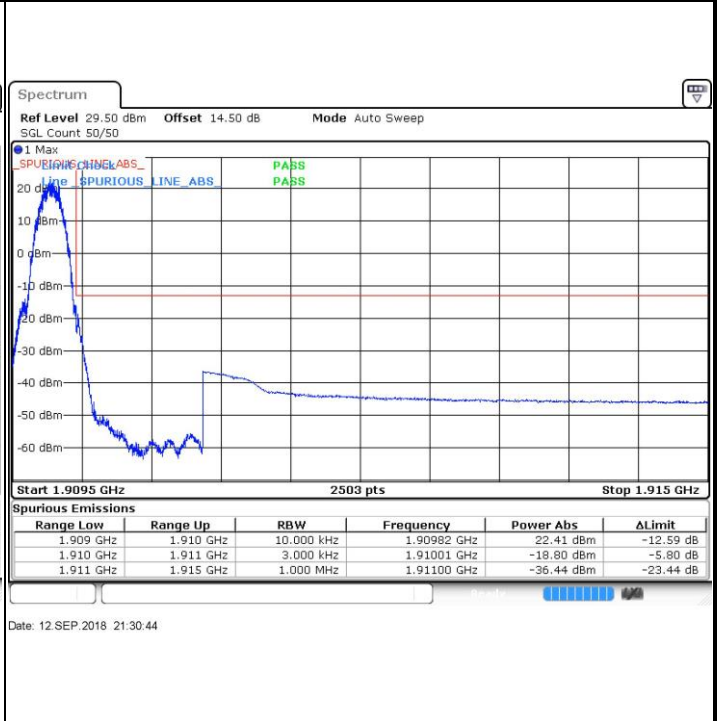


GSM1900 (GSM)

Lowest Band Edge

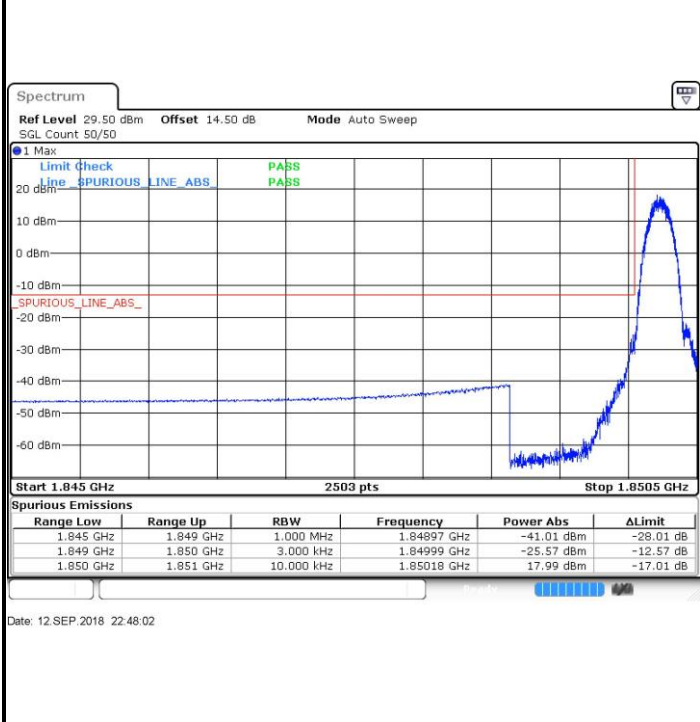


Highest Band Edge

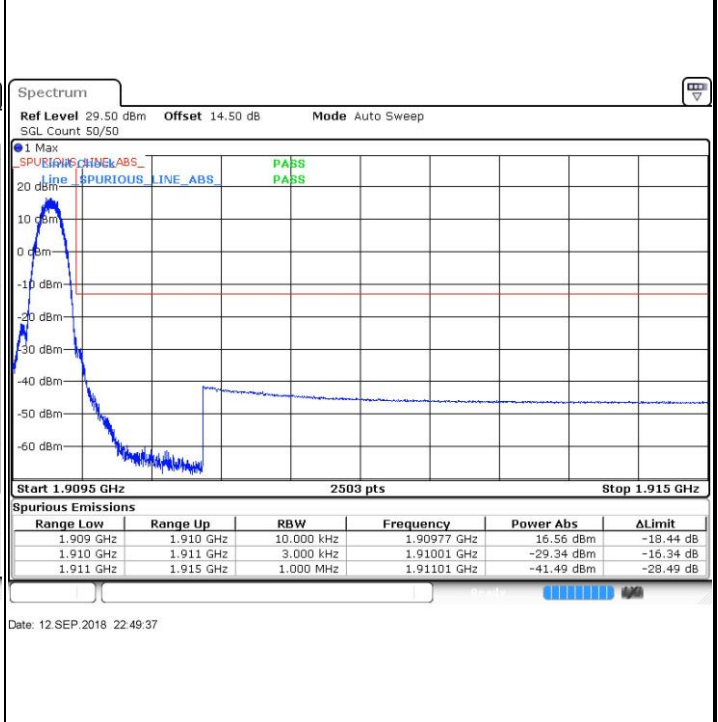


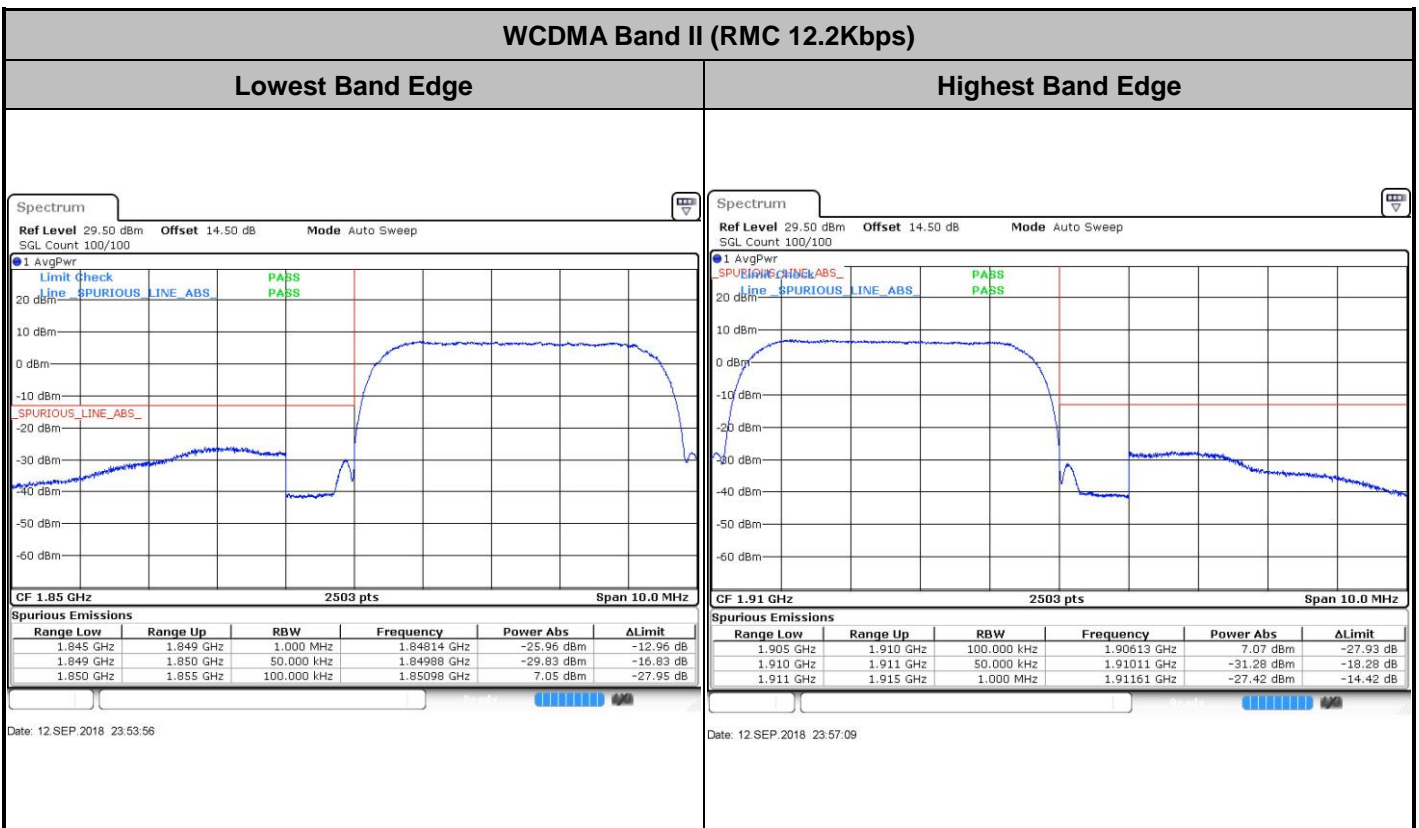
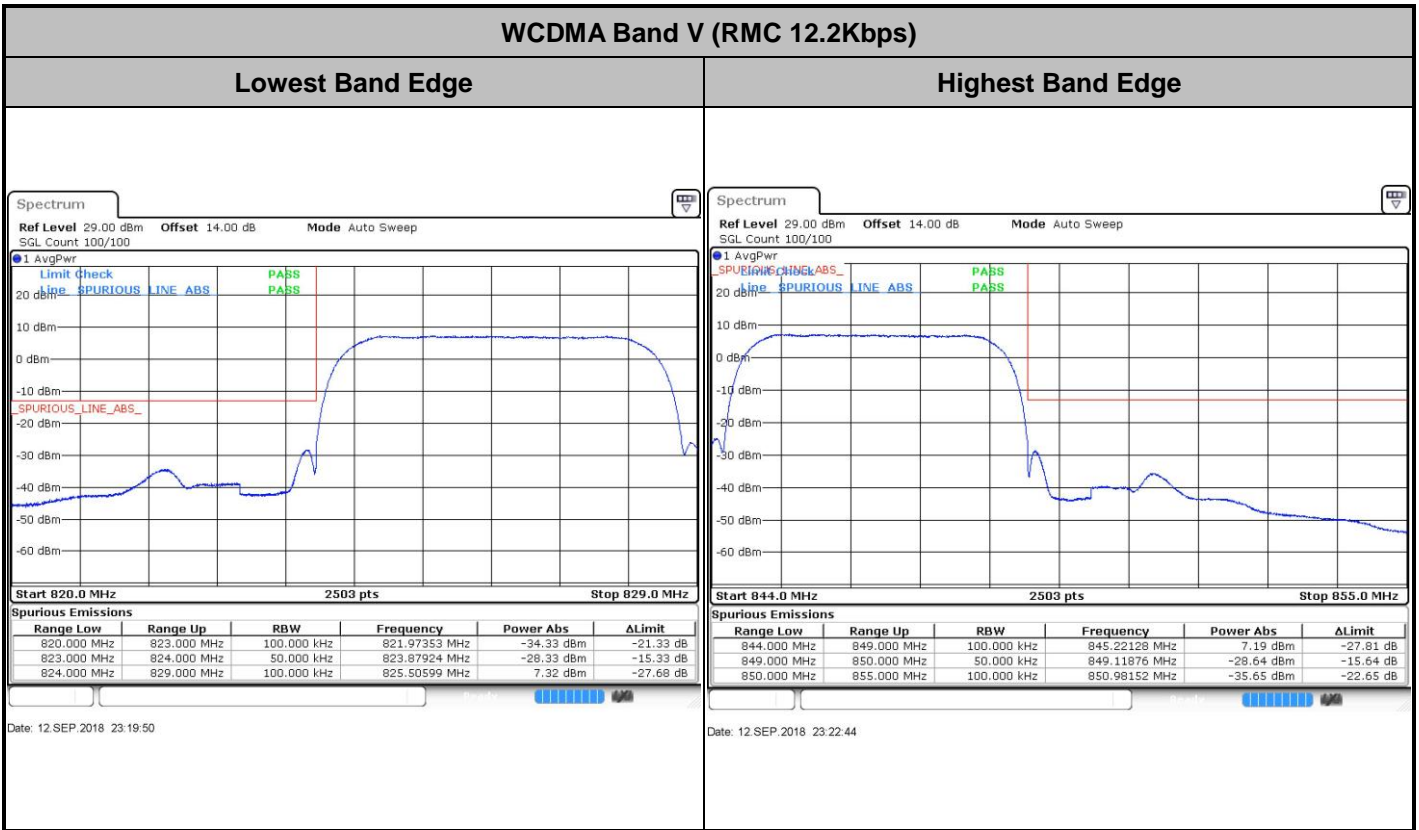
GSM1900 (EDGE class 8)

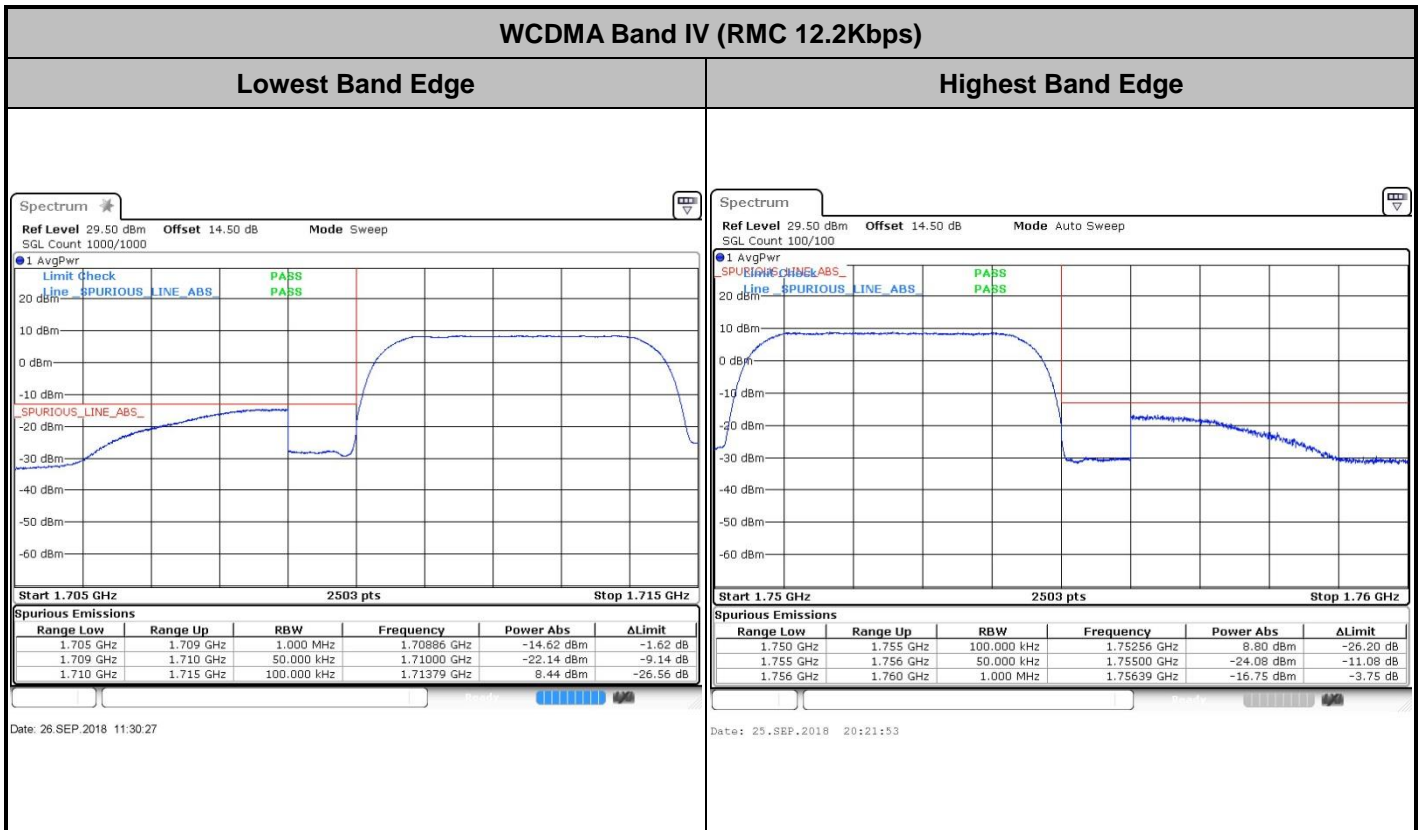
Lowest Band Edge



Highest Band Edge

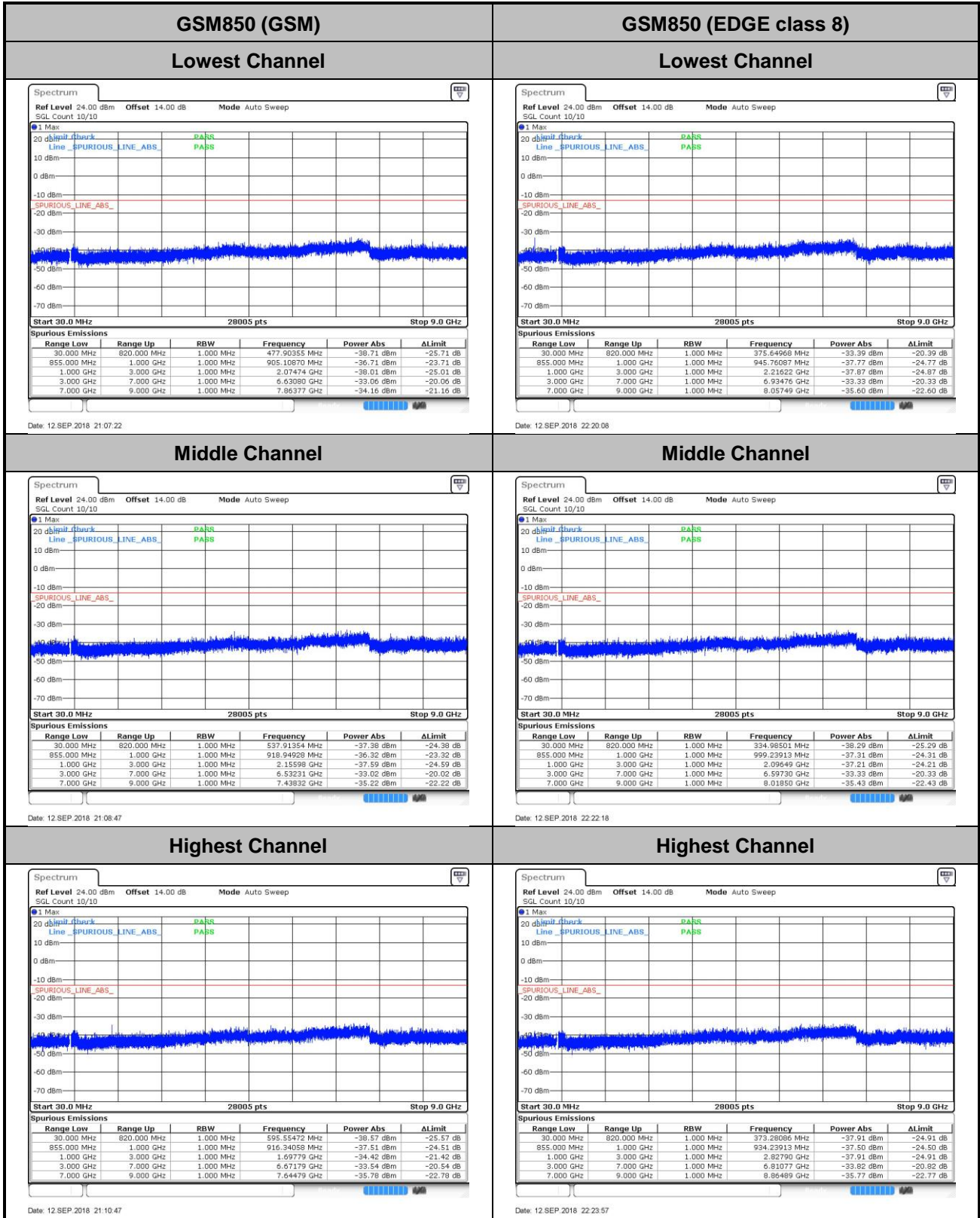


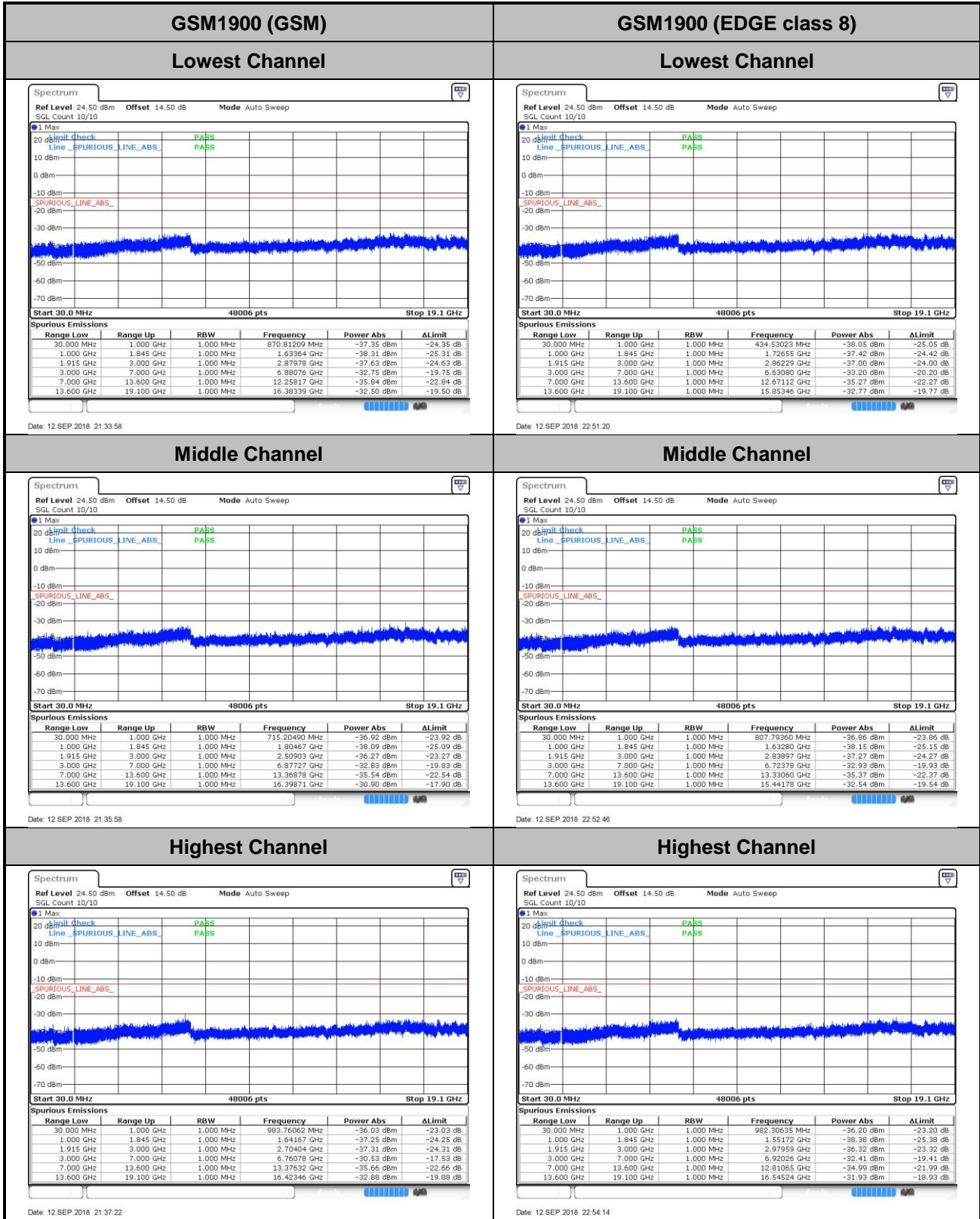






Conducted Spurious Emission

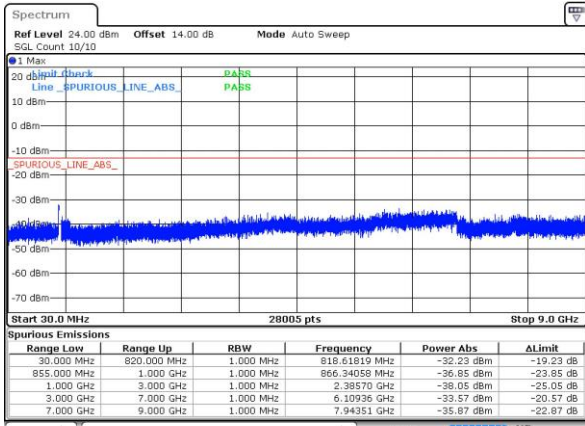






WCDMA Band V (RMC 12.2Kbps)

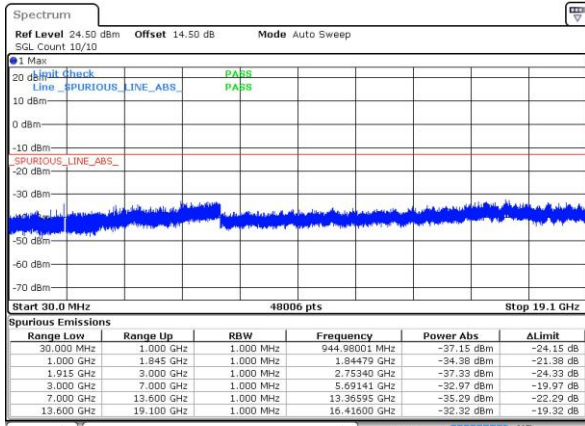
Lowest Channel



Date: 12 SEP 2018 23:24:37

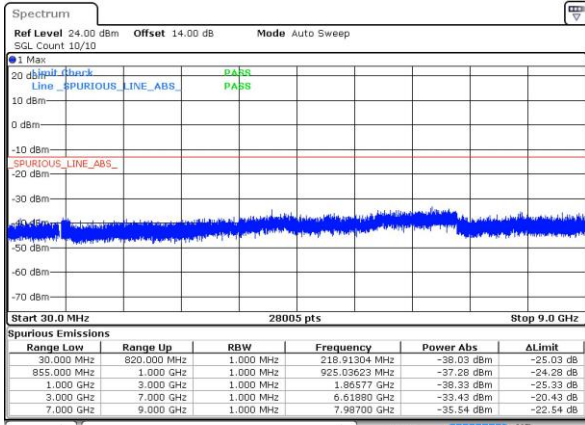
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



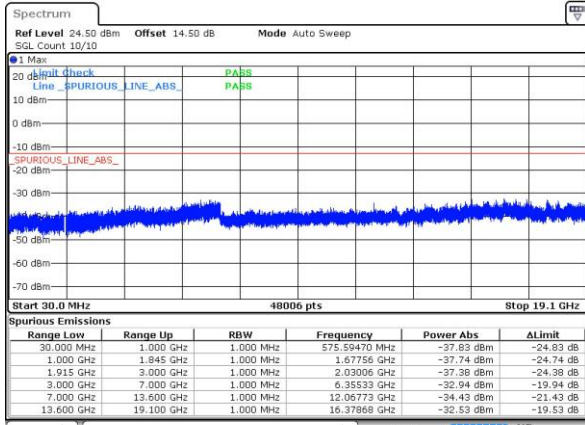
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Middle Channel



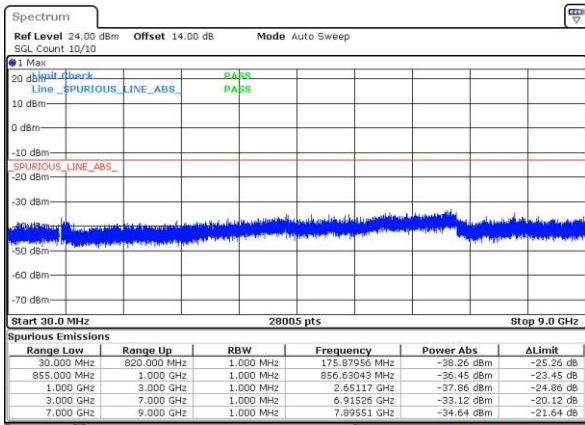
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Middle Channel



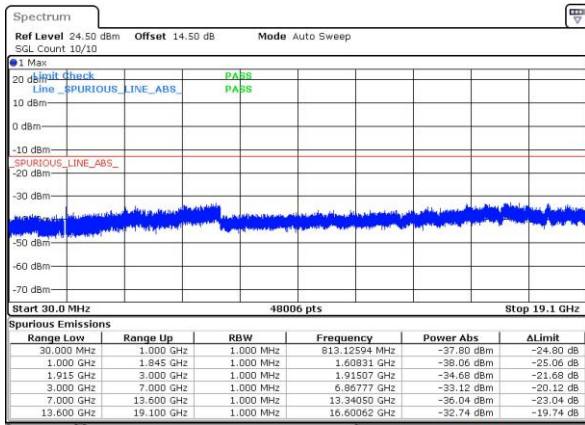
Date: 13 SEP 2018 00:00:28

Highest Channel



Date: 12 SEP 2018 23:28:33

Highest Channel

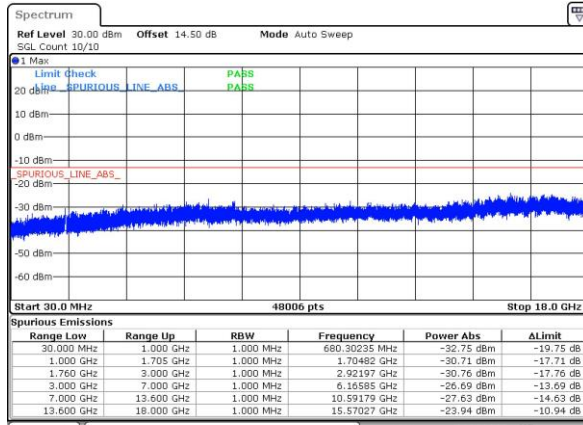


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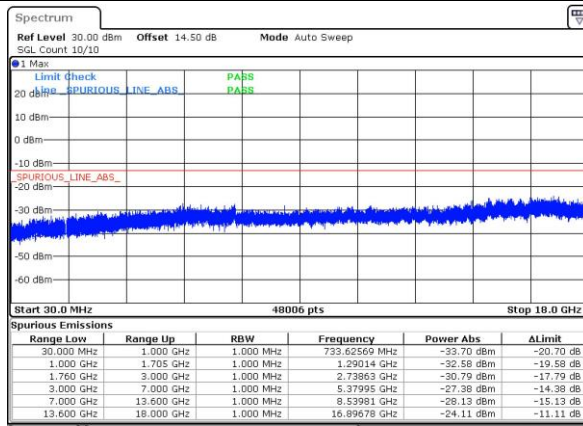
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



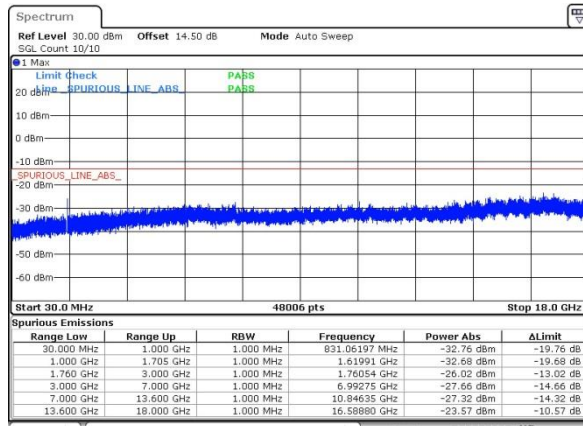
Date: 25_SEP.2018 20:07:57

Middle Channel



Date: 25_SEP.2018 20:09:41

Highest Channel



Date: 25_SEP.2018 23:02:01



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	0.0018	0.0008	PASS
40	Normal Voltage	0.0004	0.0010	
30	Normal Voltage	0.0005	0.0032	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0010	0.0024	
0	Normal Voltage	0.0032	0.0000	
-10	Normal Voltage	0.0019	0.0008	
-20	Normal Voltage	0.0026	0.0008	
-30	Normal Voltage	0.0030	0.0000	
20	Maximum Voltage	0.0022	0.0007	
20	Normal Voltage	0.0036	0.0043	
20	Battery End Point	0.0030	0.0033	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 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	0.0015	0.0004	PASS
40	Normal Voltage	0.0002	0.0002	
30	Normal Voltage	0.0008	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0002	0.0007	
0	Normal Voltage	0.0012	0.0009	
-10	Normal Voltage	0.0006	0.0003	
-20	Normal Voltage	0.0001	0.0005	
-30	Normal Voltage	0.0002	0.0009	
20	Maximum Voltage	0.0001	0.0003	
20	Normal Voltage	0.0006	0.0018	
20	Battery End Point	0.0012	0.0004	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 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	0.0002	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0024	

Note: Normal Voltage = 3.85V. : Battery End Point (BEP) = 3.5 V. : Maximum Voltage =4.4V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0010	

Note: Normal Voltage = 3.85V. : Battery End Point (BEP) = 3.5 V. : Maximum Voltage =4.4V



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; 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 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	-43.37	-13	-30.37	-53.34	-46.54	4.10	9.42	H
	2509.2	-36.82	-13	-23.82	-50.32	-40.40	4.90	10.63	H
	3345.6	-54.46	-13	-41.46	-70.07	-59.38	5.55	12.62	H
	1672.8	-50.03	-13	-37.03	-59.49	-53.20	4.10	9.42	V
	2509.2	-41.09	-13	-28.09	-54.42	-44.67	4.90	10.63	V
	3345.6	-57.72	-13	-44.72	-72.89	-62.64	5.55	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	-43.38	-13	-30.38	-53.35	-46.63	4.00	9.40	H
	2509.2	-38.88	-13	-25.88	-52.38	-42.45	4.88	10.60	H
	3345.6	-57.47	-13	-44.47	-73.08	-62.40	5.52	12.60	H
	1672.8	-50.82	-13	-37.82	-60.28	-54.07	4.00	9.40	V
	2509.2	-43.39	-13	-30.39	-56.72	-46.96	4.88	10.60	V
	3345.6	-59.71	-13	-46.71	-74.88	-64.64	5.52	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	-45.02	-13	-32.02	-62.97	-51.77	5.85	12.60	H
	5640	-53.27	-13	-40.27	-74.46	-59.07	7.30	13.10	H
	7520	-53.38	-13	-40.38	-78.57	-56.53	8.35	11.50	H
	3760	-51.76	-13	-38.76	-68.94	-58.51	5.85	12.60	V
	5640	-55.87	-13	-42.87	-76	-61.67	7.30	13.10	V
	7520	-52.20	-13	-39.20	-76.81	-55.35	8.35	11.50	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	-48.67	-13	-35.67	-66.62	-55.42	5.85	12.60	H
	5640	-52.60	-13	-39.60	-73.79	-58.40	7.30	13.10	H
	7520	-52.50	-13	-39.50	-77.69	-55.65	8.35	11.50	H
	3760	-50.93	-13	-37.93	-68.11	-57.68	5.85	12.60	V
	5640	-50.69	-13	-37.69	-70.82	-56.49	7.30	13.10	V
	7520	-51.88	-13	-38.88	-76.49	-55.03	8.35	11.50	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	-64.20	-13	-51.20	-74.17	-67.37	4.10	9.42	H
	2509.2	-62.37	-13	-49.37	-75.87	-65.95	4.90	10.63	H
	3345.6	-60.73	-13	-47.73	-76.34	-65.65	5.55	12.62	H
	1672.8	-64.88	-13	-51.88	-74.34	-68.05	4.10	9.42	V
	2509.2	-62.60	-13	-49.60	-75.93	-66.18	4.90	10.63	V
	3345.6	-61.66	-13	-48.66	-76.83	-66.58	5.55	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	3465.2	-60.42	-13	-47.42	-76.13	-67.17	5.85	12.60	H
	5197.8	-58.17	-13	-45.17	-79.74	-63.97	7.30	13.10	H
	6930.4	-55.85	-13	-42.85	-79.32	-59.00	8.35	11.50	H
	3465.2	-61.14	-13	-48.14	-76.36	-67.89	5.85	12.60	V
	5197.8	-58.70	-13	-45.70	-79.2	-64.50	7.30	13.10	V
	6930.4	-56.31	-13	-43.31	-79.4	-59.46	8.35	11.50	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	-59.01	-13	-46.01	-74.72	-65.86	5.65	12.50	H
	5197.8	-55.44	-13	-42.44	-77.01	-61.11	7.13	12.80	H
	6930.4	-55.04	-13	-42.04	-78.51	-58.44	8.40	11.80	H
	3465.2	-60.66	-13	-47.66	-75.88	-67.51	5.65	12.50	V
	5197.8	-57.07	-13	-44.07	-77.57	-62.74	7.13	12.80	V
	6930.4	-55.02	-13	-42.02	-78.11	-58.42	8.40	11.80	V

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