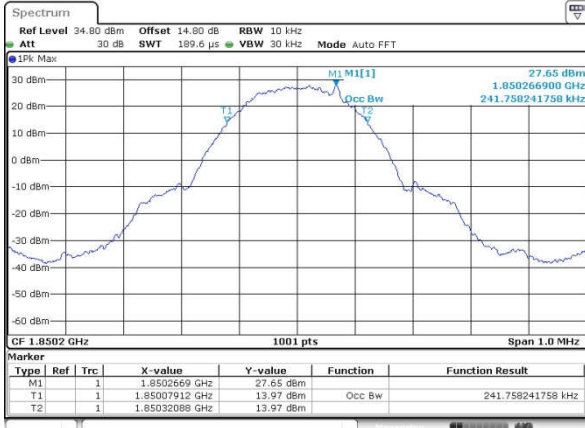




GSM1900 (GSM)

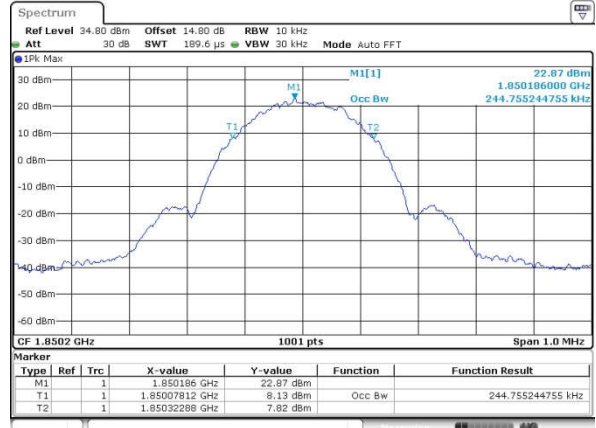
Lowest Channel



Date: 18.SEP.2018 20:51:00

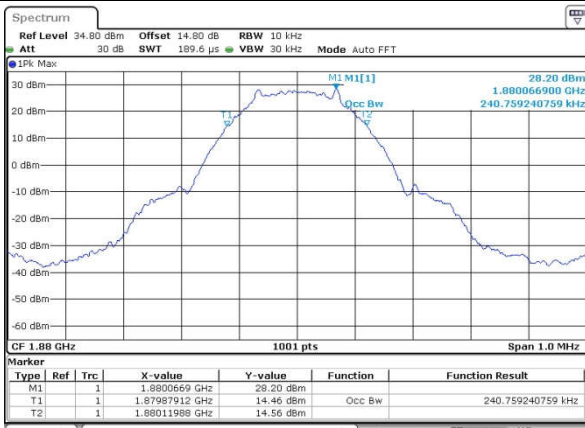
GSM1900 (EDGE class 8)

Lowest Channel



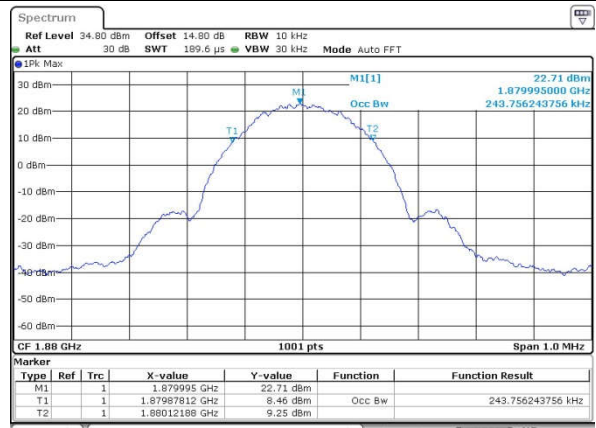
Date: 18.SEP.2018 21:13:57

Middle Channel



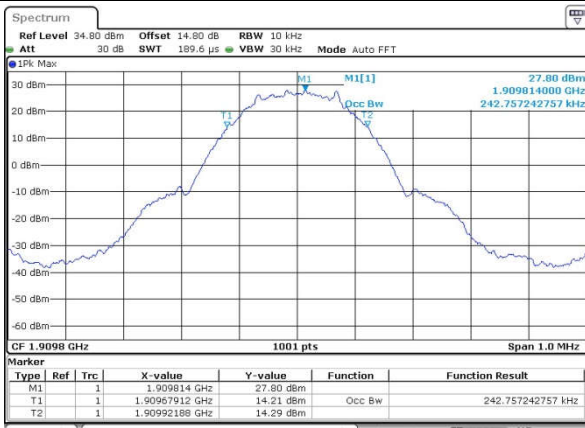
Date: 18.SEP.2018 20:51:37

Middle Channel



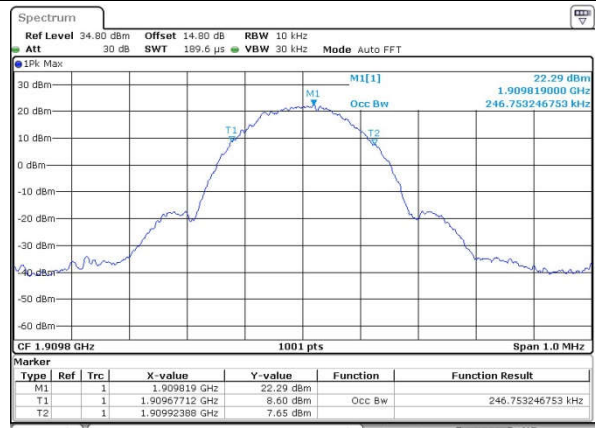
Date: 18.SEP.2018 21:13:07

Highest Channel



Date: 18.SEP.2018 20:52:14

Highest Channel

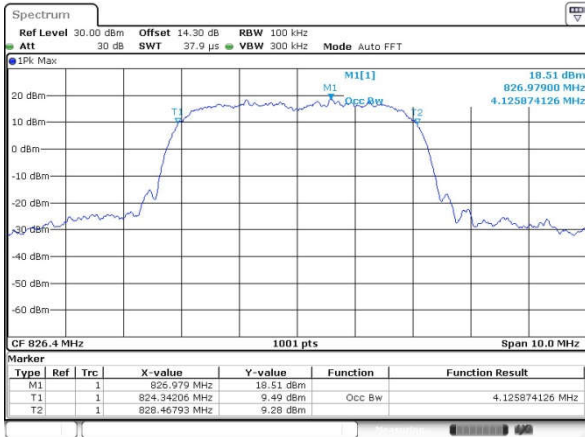


Date: 18.SEP.2018 21:16:09



WCDMA Band V (RMC 12.2Kbps)

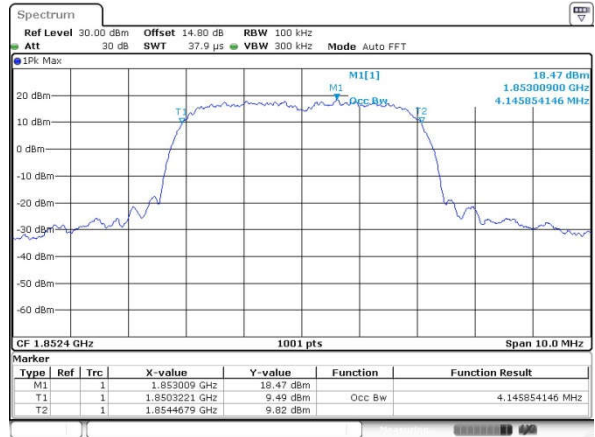
Lowest Channel



Date: 18.SEP.2018 22:55:58

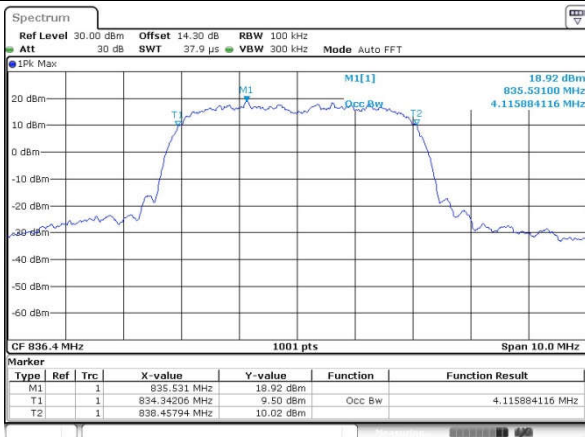
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



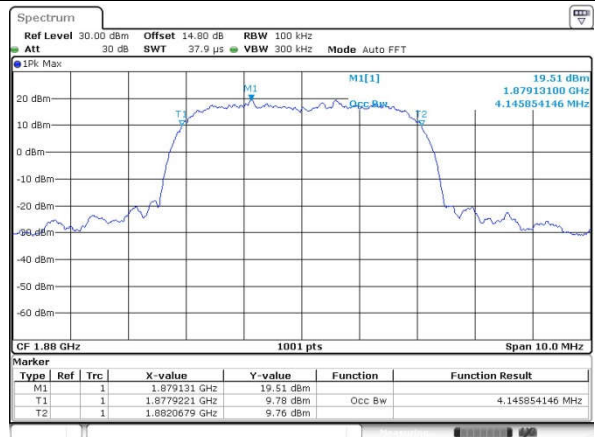
Date: 18.SEP.2018 21:47:56

Middle Channel



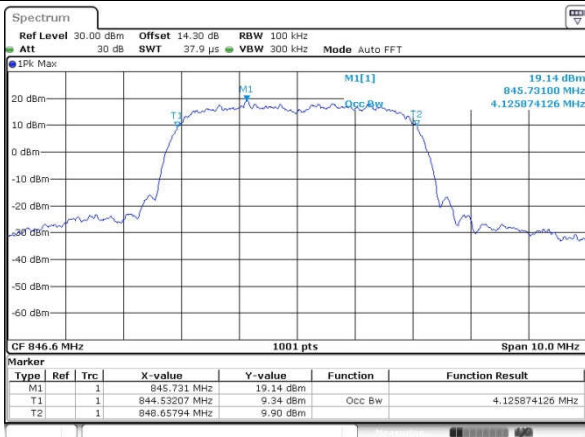
Date: 18.SEP.2018 22:58:33

Middle Channel



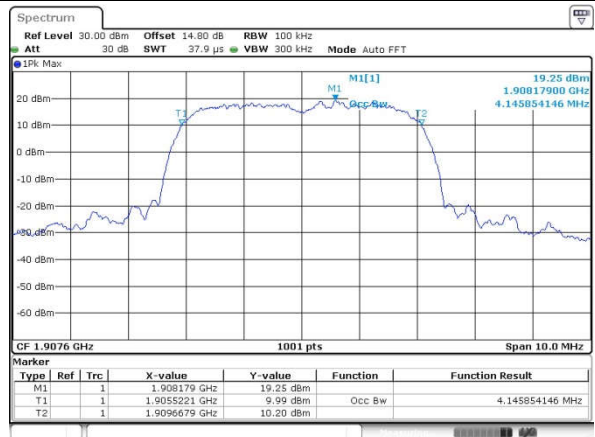
Date: 18.SEP.2018 21:48:46

Highest Channel

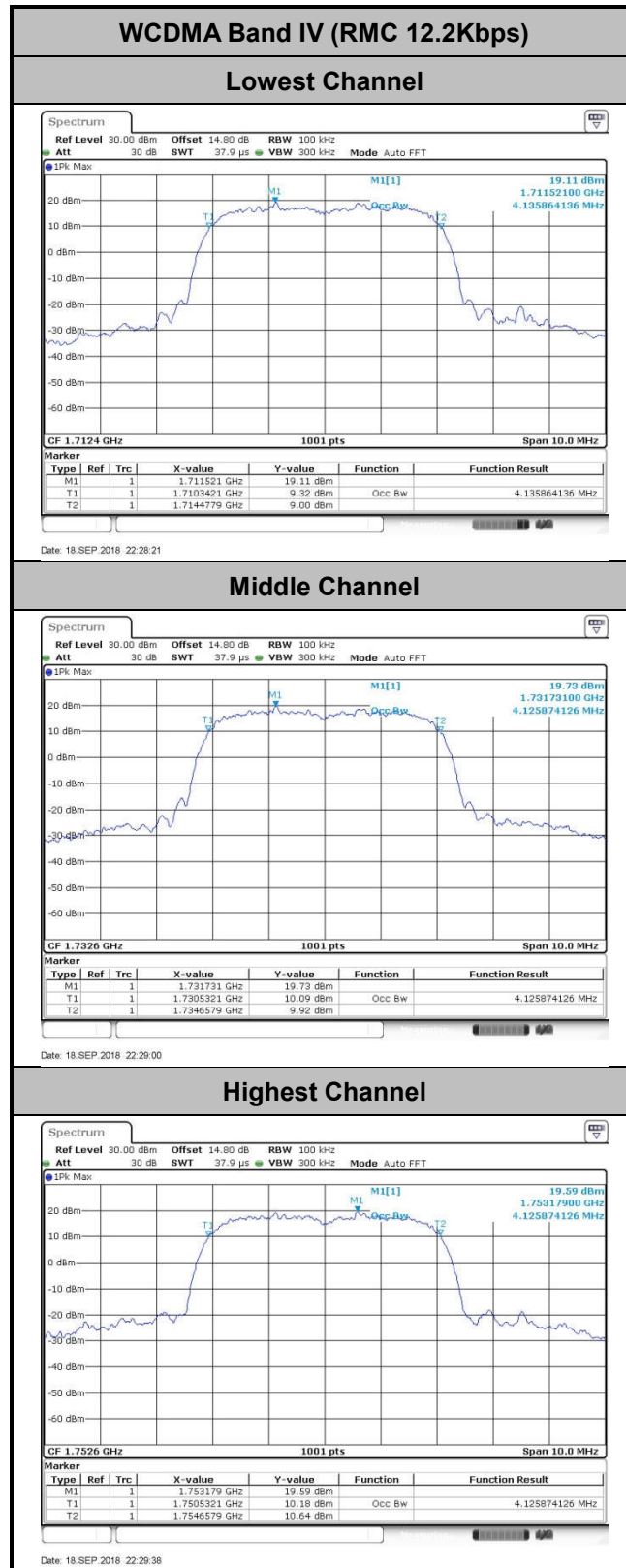


Date: 18.SEP.2018 22:57:11

Highest Channel

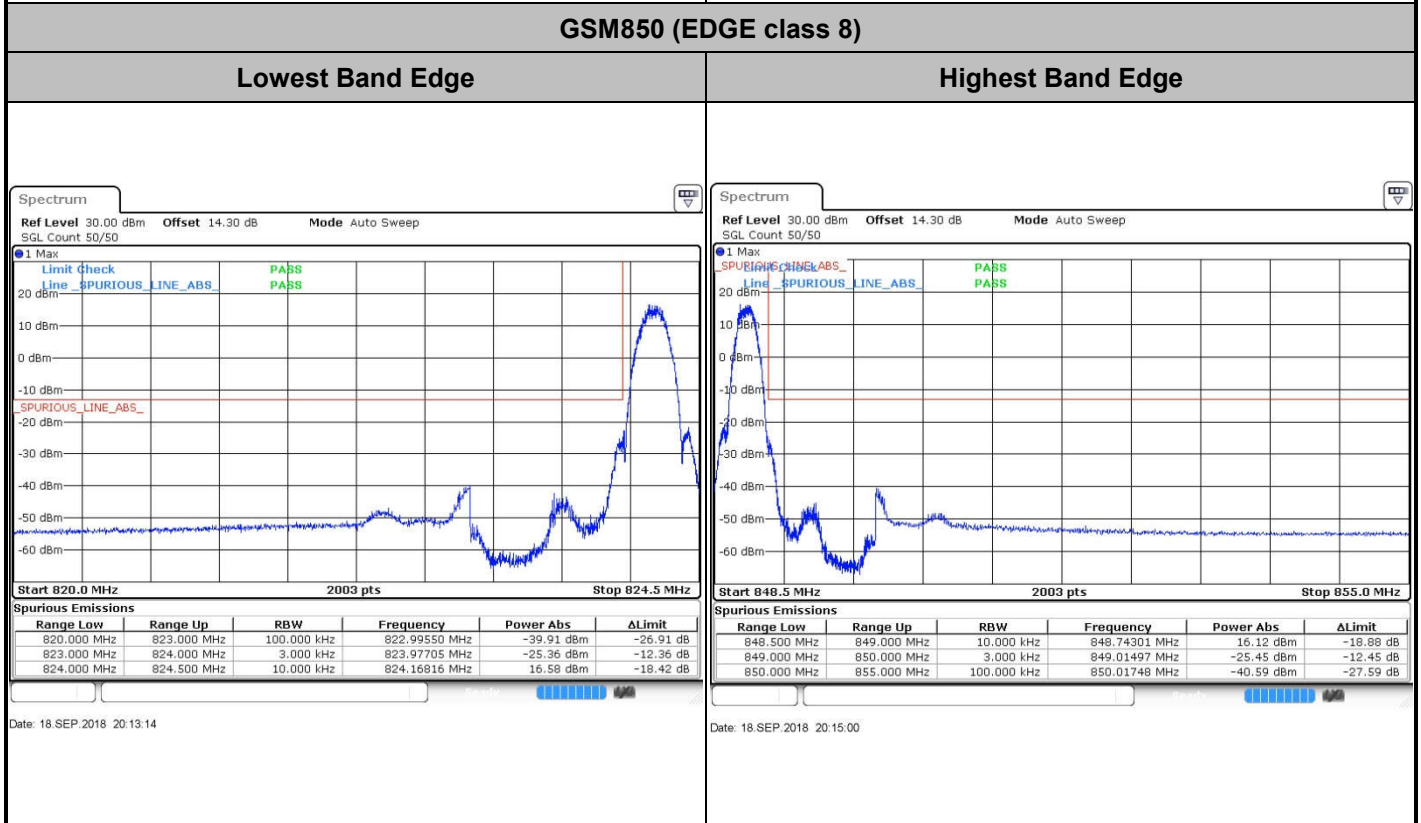
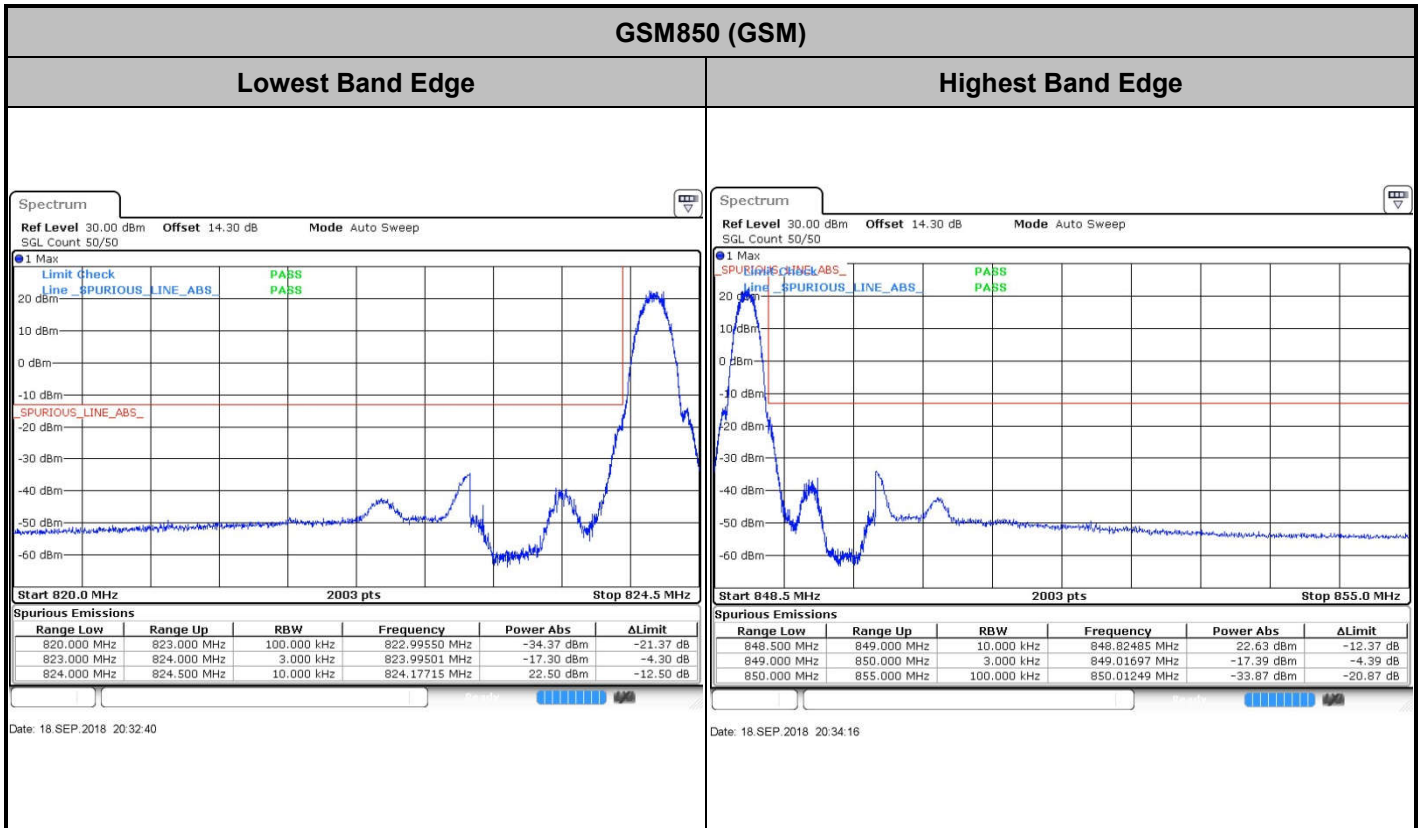


Date: 18.SEP.2018 21:49:29





Conducted Band Edge

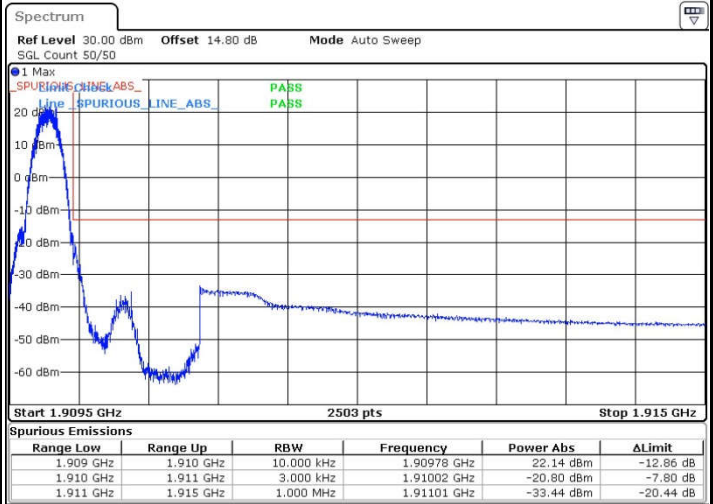
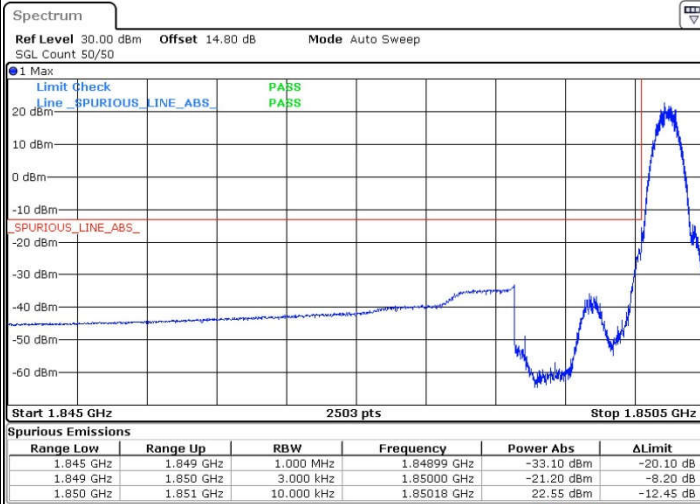




GSM1900 (GSM)

Lowest Band Edge

Highest Band Edge



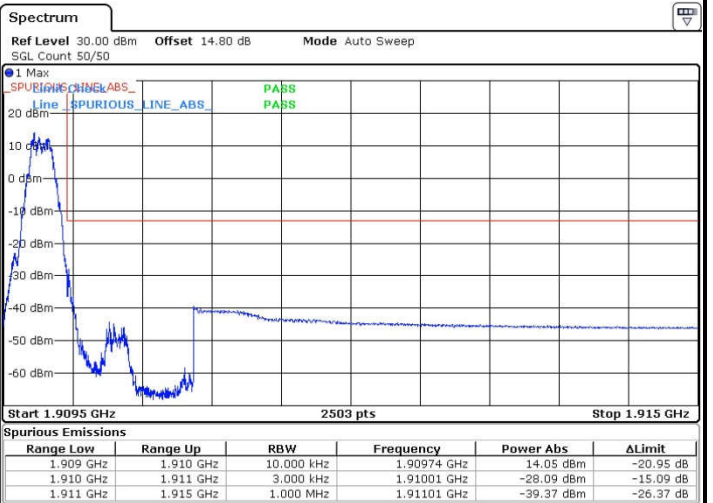
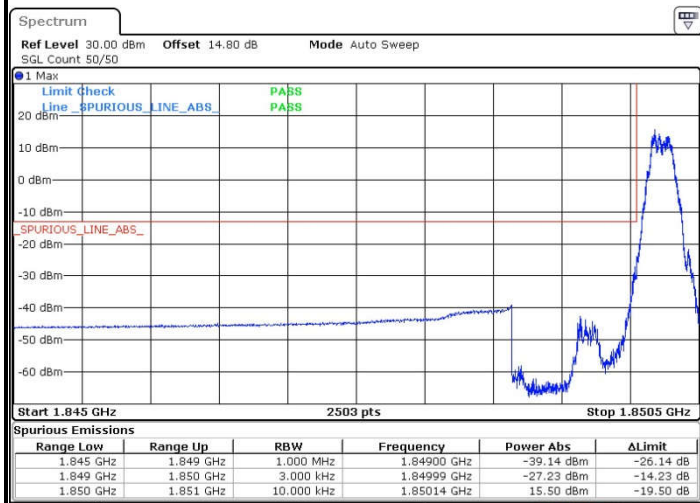
Date: 18 SEP.2018 20:54:12

Date: 18 SEP.2018 20:56:07

GSM1900 (EDGE class 8)

Lowest Band Edge

Highest Band Edge

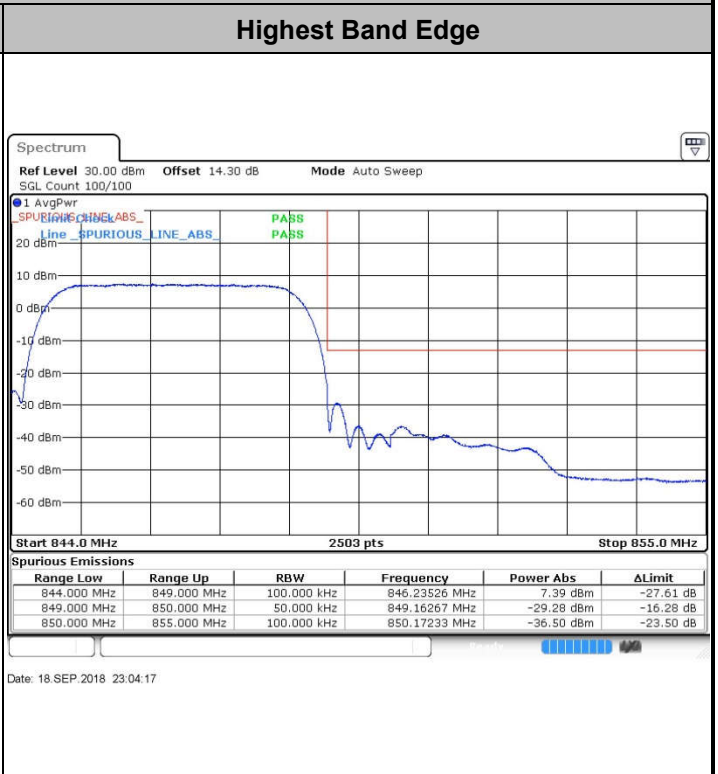
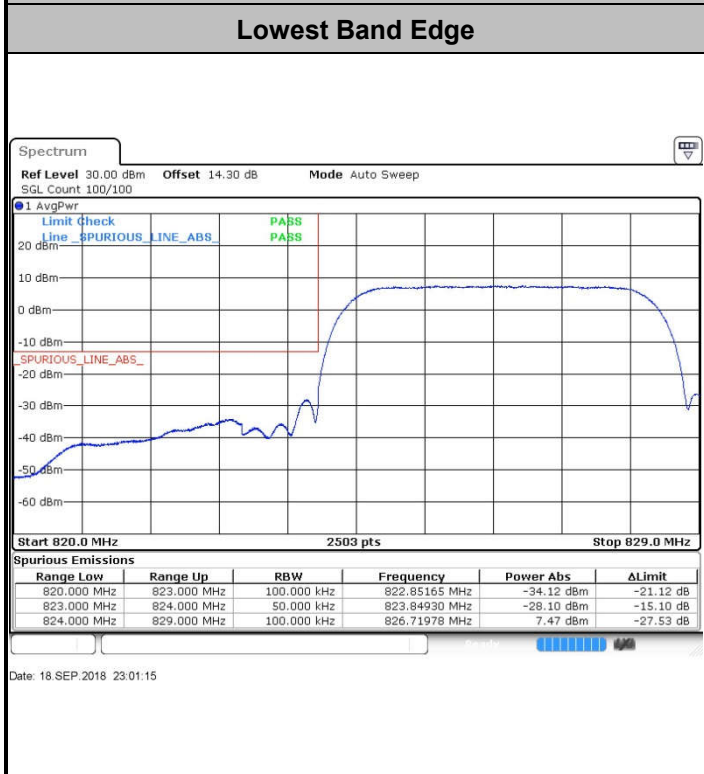


Date: 18 SEP.2018 21:18:07

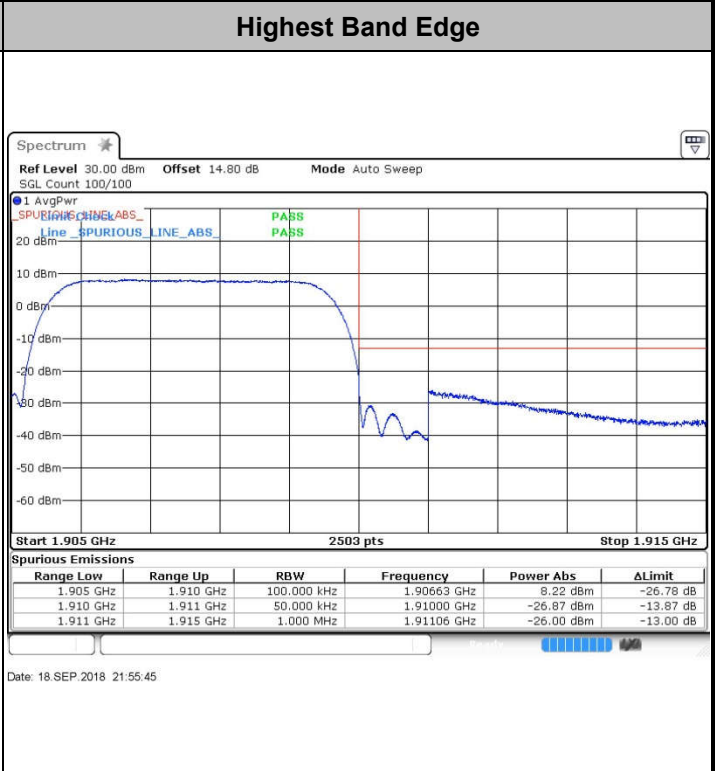
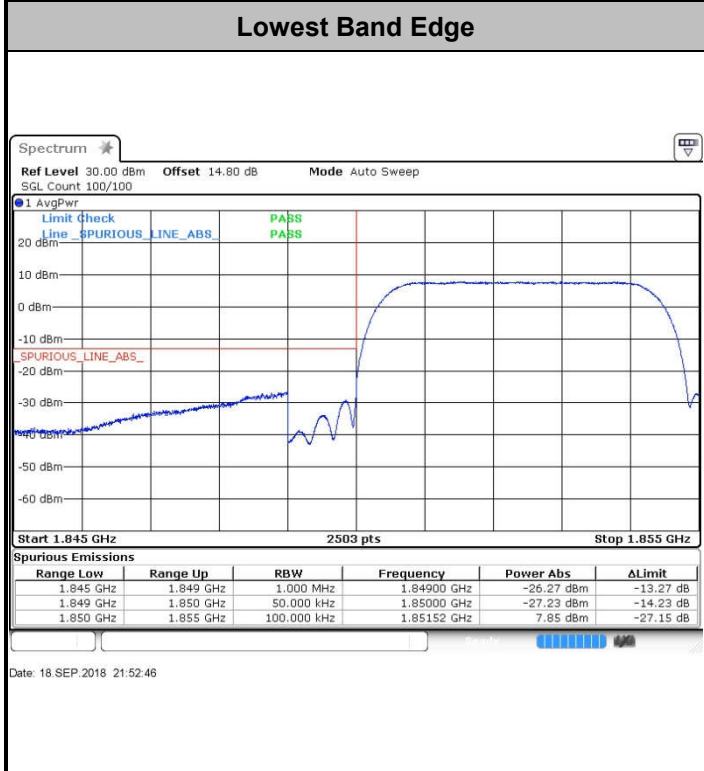
Date: 18 SEP.2018 21:25:30

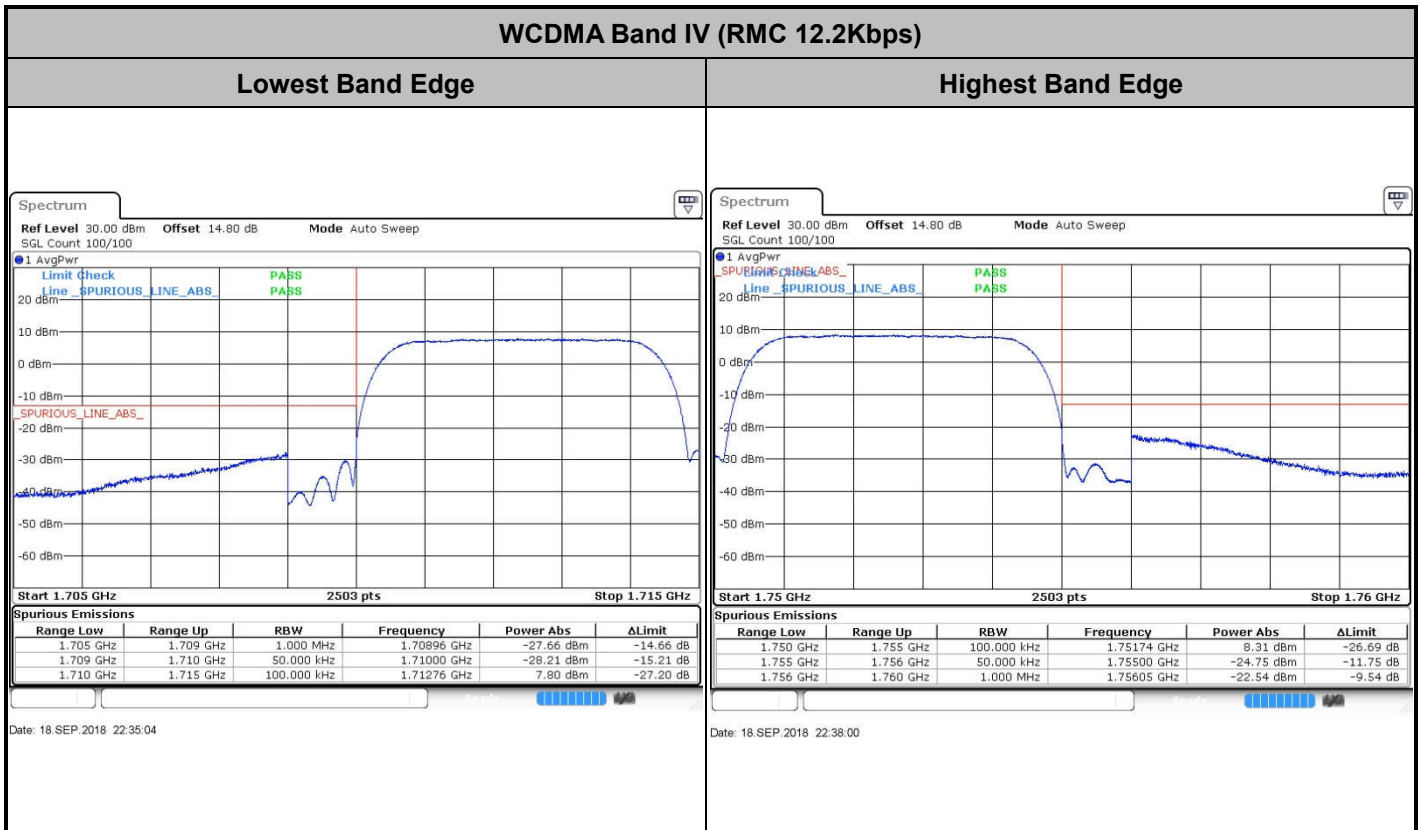


WCDMA Band V (RMC 12.2Kbps)



WCDMA Band II (RMC 12.2Kbps)



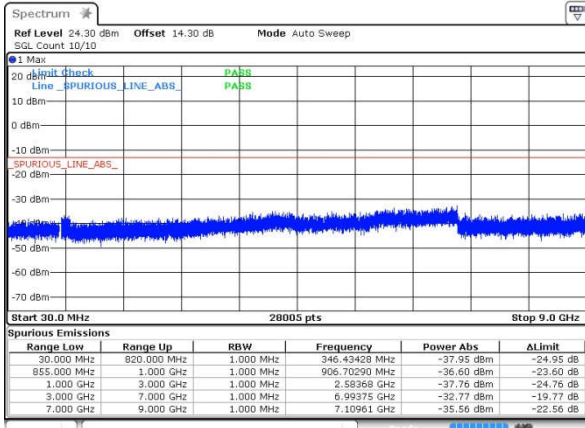




Conducted Spurious Emission

GSM850 (GSM)

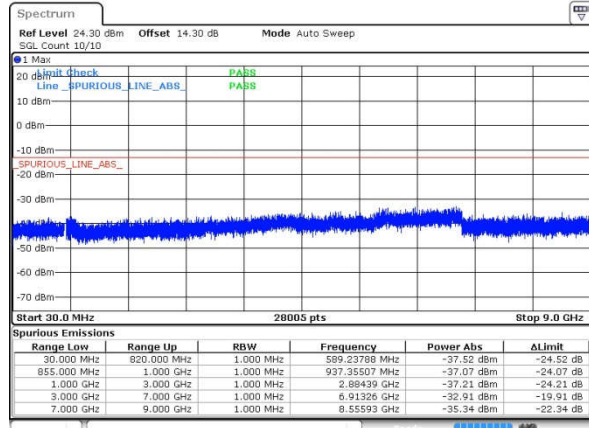
Lowest Channel



Date: 18 SEP 2018 20:35:49

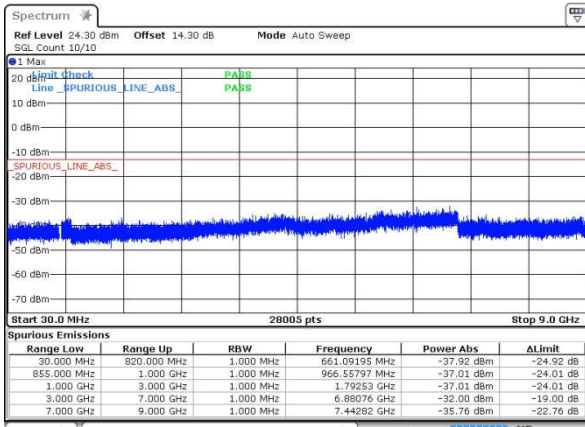
GSM850 (EDGE class 8)

Lowest Channel



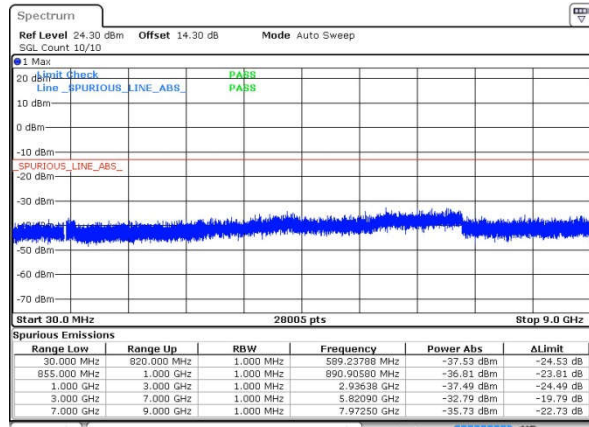
Date: 18 SEP 2018 20:16:25

Middle Channel



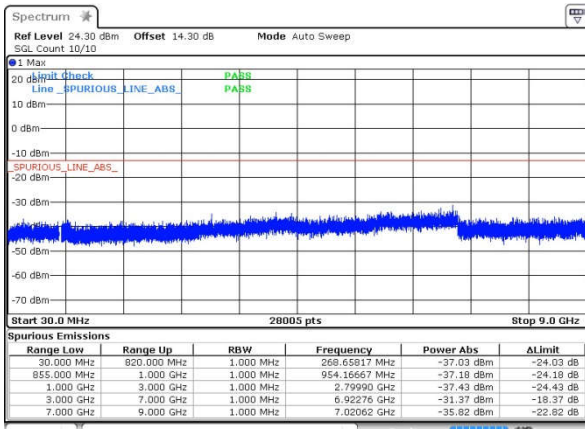
Date: 18 SEP 2018 20:37:12

Middle Channel



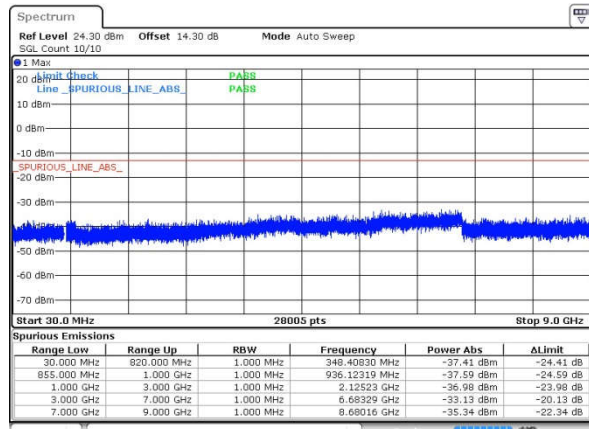
Date: 18 SEP 2018 20:17:50

Highest Channel



Date: 18 SEP 2018 20:38:36

Highest Channel

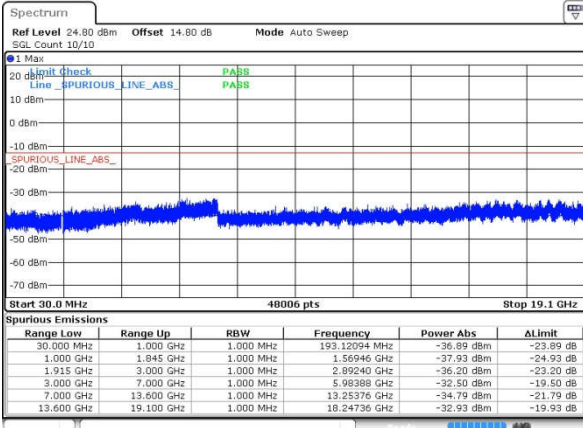


Date: 18 SEP 2018 20:19:20



GSM1900 (GSM)

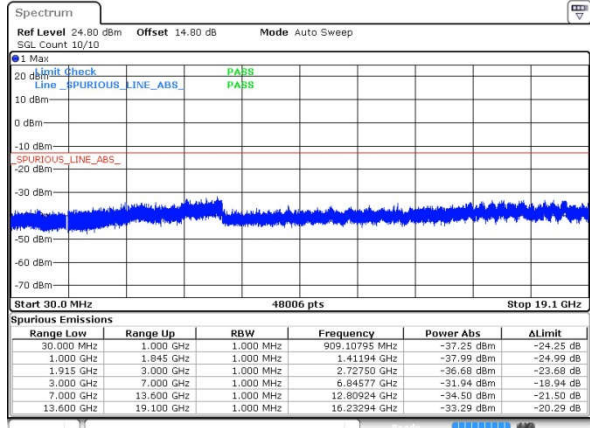
Lowest Channel



Date: 18 SEP 2018 20:57:51

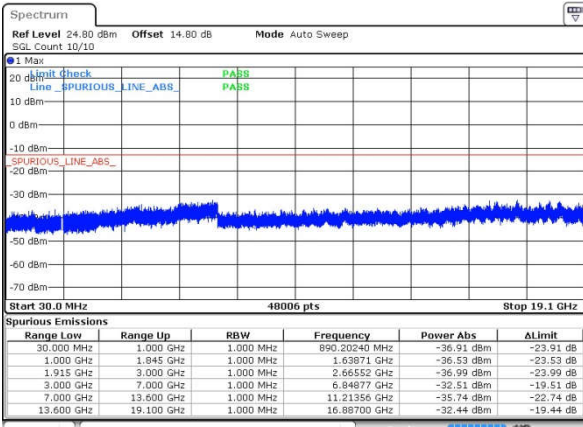
GSM1900 (EDGE class 8)

Lowest Channel



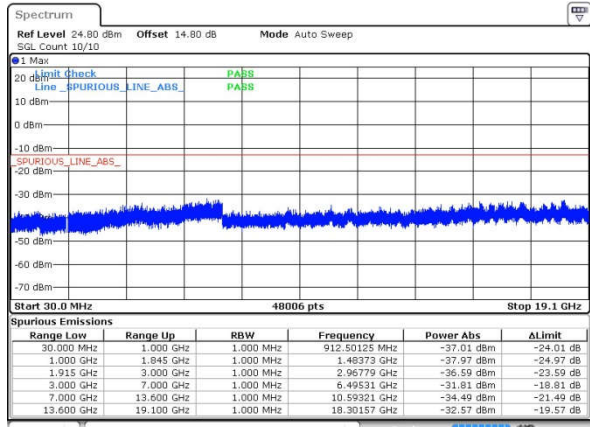
Date: 18 SEP 2018 21:28:54

Middle Channel



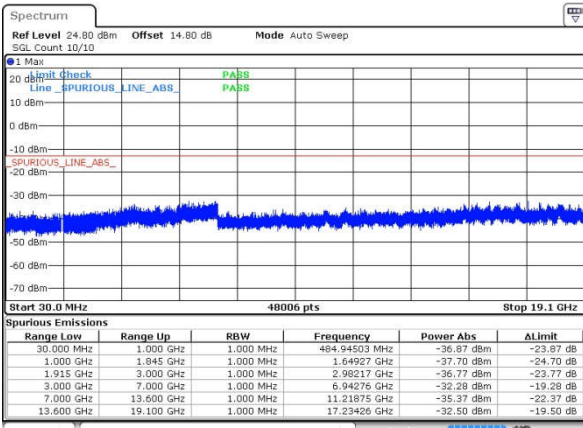
Date: 18 SEP 2018 20:58:37

Middle Channel



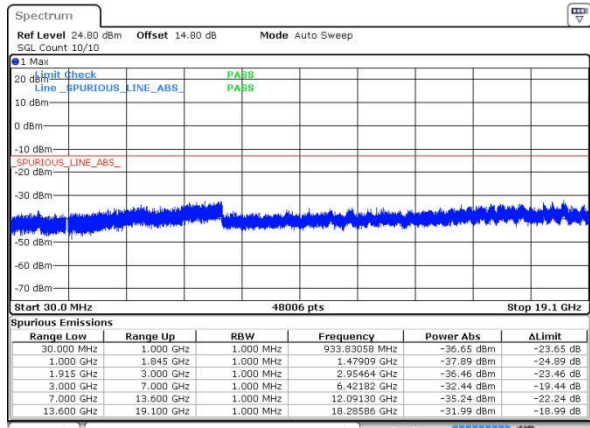
Date: 18 SEP 2018 21:30:33

Highest Channel



Date: 18 SEP 2018 21:01:11

Highest Channel

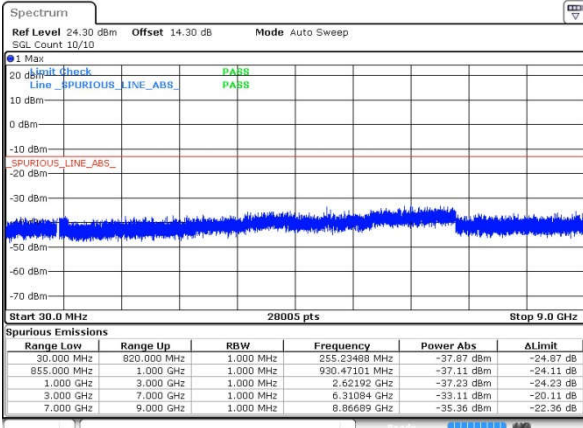


Date: 18 SEP 2018 21:31:56



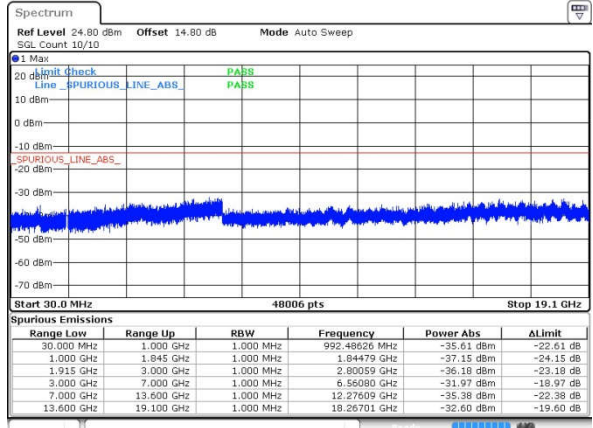
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

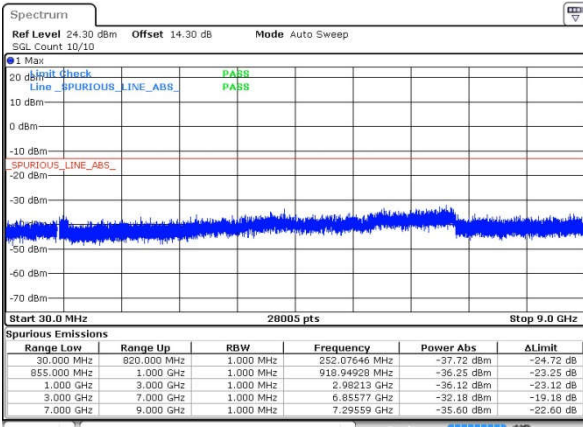


WCDMA Band II (RMC 12.2Kbps)

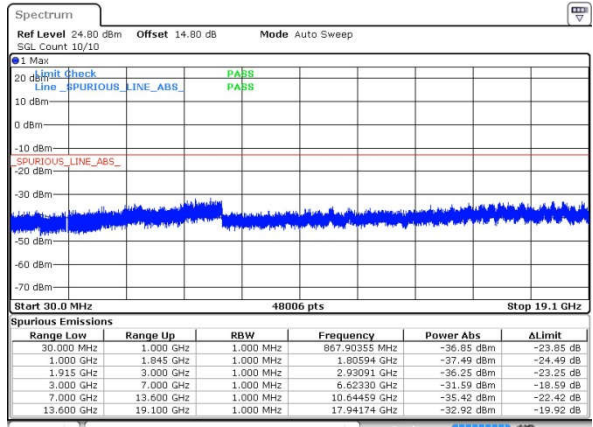
Lowest Channel



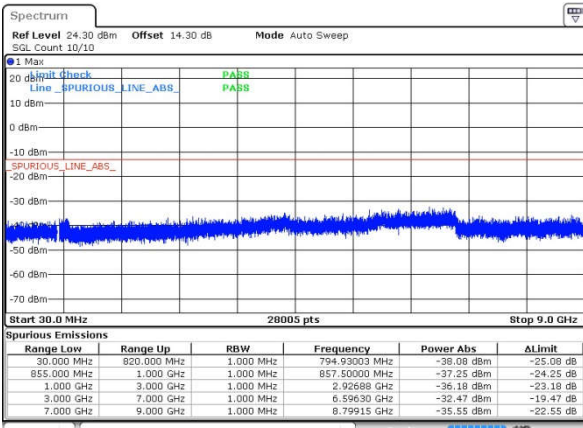
Middle Channel



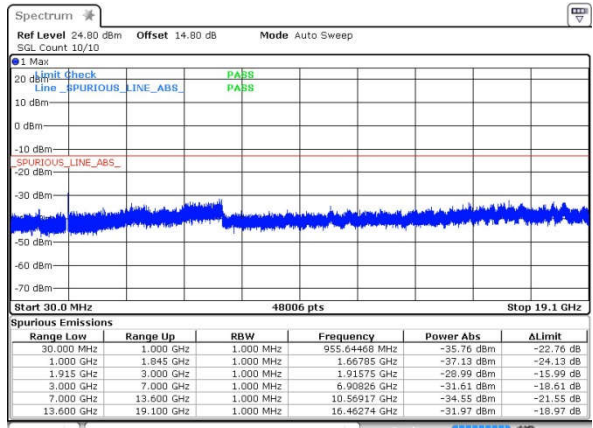
Middle Channel



Highest Channel



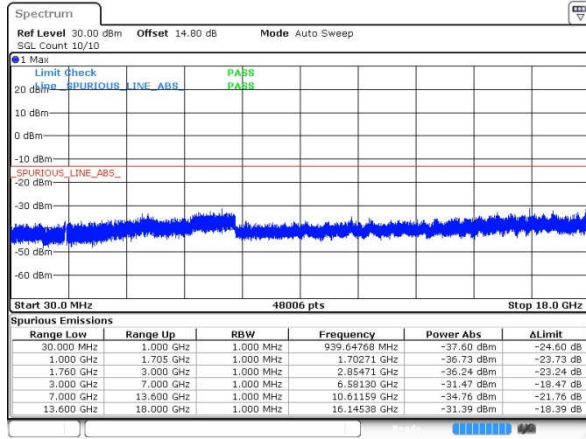
Highest Channel





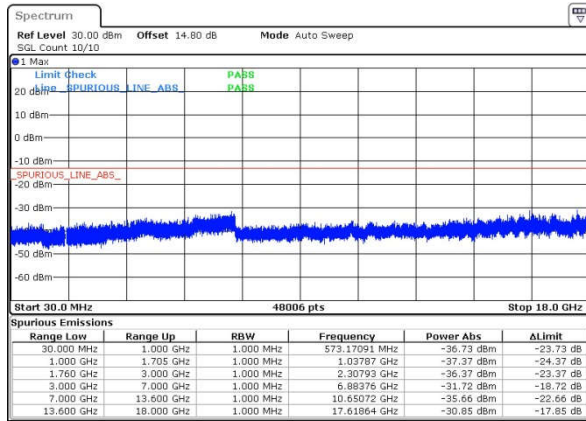
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



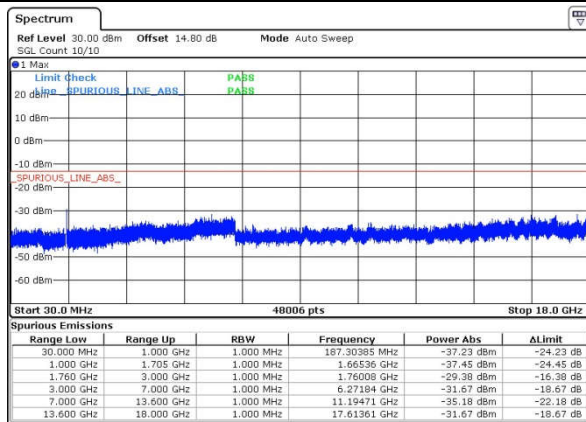
Date: 18.SEP.2018 22:39:43

Middle Channel



Date: 18.SEP.2018 22:41:49

Highest Channel



Date: 18.SEP.2018 22:45:21



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	0.0060	PASS
40	Normal Voltage	0.0036	0.0084	
30	Normal Voltage	0.0335	0.0323	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0407	0.0048	
0	Normal Voltage	0.0478	0.0287	
-10	Normal Voltage	0.0108	0.0239	
-20	Normal Voltage	0.0371	0.0012	
-30	Normal Voltage	0.0442	0.0383	
20	Maximum Voltage	0.0024	0.0036	
20	Normal Voltage	0.0155	0.0203	
20	Battery End Point	0.0383	0.0359	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.2V. ; 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	0.0053	0.0069	PASS
40	Normal Voltage	0.0170	0.0037	
30	Normal Voltage	0.0016	0.0106	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0186	0.0106	
0	Normal Voltage	0.0144	0.0154	
-10	Normal Voltage	0.0021	0.0027	
-20	Normal Voltage	0.0128	0.0011	
-30	Normal Voltage	0.0176	0.0170	
20	Maximum Voltage	0.0027	0.0027	
20	Normal Voltage	0.0016	0.0021	
20	Battery End Point	0.0096	0.0133	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.2V. ; 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	0.0120	PASS
40	Normal Voltage	0.0371	
30	Normal Voltage	0.0335	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0287	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0299	
-30	Normal Voltage	0.0430	
20	Maximum Voltage	0.0096	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0395	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.2V. ; 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	0.0043	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0133	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0117	
0	Normal Voltage	0.0138	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0165	
-30	Normal Voltage	0.0186	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0122	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.2V. ; 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	0.0046	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0190	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0156	
0	Normal Voltage	0.0185	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0214	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0167	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.2V. ; 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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-53.93	-13	-40.93	-55.14	2.32	5.68	H
	2510	-45.57	-13	-32.57	-46.20	3.02	5.80	H
	3345	-63.93	-13	-50.93	-66.39	3.27	7.88	H
	1672	-50.99	-13	-37.99	-52.20	2.32	5.68	V
	2510	-42.08	-13	-29.08	-42.71	3.02	5.80	V
	3345	-63.70	-13	-50.70	-66.16	3.27	7.88	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-51.90	-13	-38.90	-53.11	2.32	5.68	H
	2510	-48.04	-13	-35.04	-48.67	3.02	5.80	H
	3345	-63.98	-13	-50.98	-66.44	3.27	7.88	H
	1672	-48.66	-13	-35.66	-49.87	2.32	5.68	V
	2510	-45.35	-13	-32.35	-45.98	3.02	5.80	V
	3345	-63.55	-13	-50.55	-66.01	3.27	7.88	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-55.40	-13	-42.40	-61.97	1.848	8.42	H
	5640	-49.41	-13	-36.41	-57.77	2.32	10.68	H
	7521	-54.57	-13	-41.57	-63.90	2.61	11.94	H
	3759	-57.80	-13	-44.80	-64.37	1.85	8.42	V
	5640	-53.89	-13	-40.89	-62.25	2.32	10.68	V
	7521	-54.77	-13	-41.77	-64.10	2.61	11.94	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-58.36	-13	-45.36	-64.93	1.848	8.42	H
	5640	-56.48	-13	-43.48	-64.84	2.32	10.68	H
	7521	-53.27	-13	-40.27	-62.60	2.61	11.94	H
	3759	-58.44	-13	-45.44	-65.01	1.85	8.42	V
	5640	-57.51	-13	-44.51	-65.87	2.32	10.68	V
	7521	-54.16	-13	-41.16	-63.49	2.61	11.94	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-68.12	-13	-55.12	-69.33	2.32	5.68	H
	2509.2	-65.11	-13	-52.11	-65.74	3.02	5.80	H
	3345	-63.55	-13	-50.55	-66.01	3.27	7.88	H
	1672	-68.26	-13	-55.26	-69.47	2.32	5.68	V
	2509.2	-66.18	-13	-53.18	-66.81	3.02	5.80	V
	3345	-63.86	-13	-50.86	-66.32	3.27	7.88	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-58.36	-13	-45.36	-64.93	1.848	8.42	H
	5640	-56.48	-13	-43.48	-64.84	2.32	10.68	H
	7521	-53.27	-13	-40.27	-62.60	2.61	11.94	H
	3759	-58.44	-13	-45.44	-65.01	1.85	8.42	V
	5640	-57.51	-13	-44.51	-65.87	2.32	10.68	V
	7521	-54.16	-13	-41.16	-63.49	2.61	11.94	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-63.98	-13	-50.98	-68.70	3.41	8.13	H
	5197.8	-60.65	-13	-47.65	-66.66	4.195	10.20	H
	6930	-56.42	-13	-43.42	-62.87	4.91	11.36	H
	3465	-63.88	-13	-50.88	-68.60	3.413	8.13	V
	5197.8	-60.52	-13	-47.52	-66.53	4.195	10.20	V
	6930	-56.54	-13	-43.54	-62.99	4.911	11.36	V

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