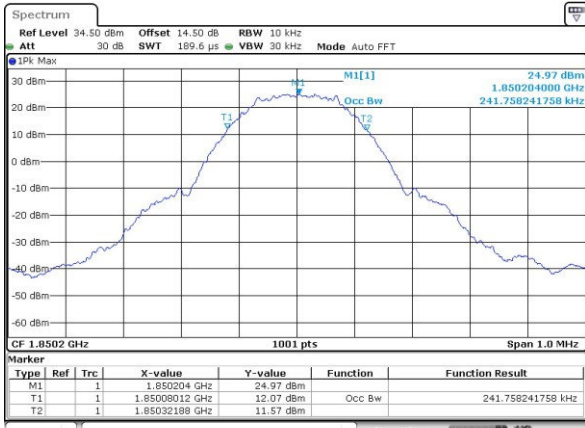




GSM1900 (GPRS class 8)

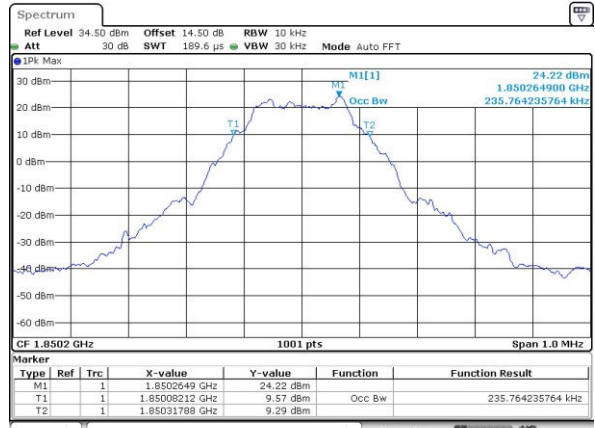
Lowest Channel



Date: 5 JUL 2017 20:33:59

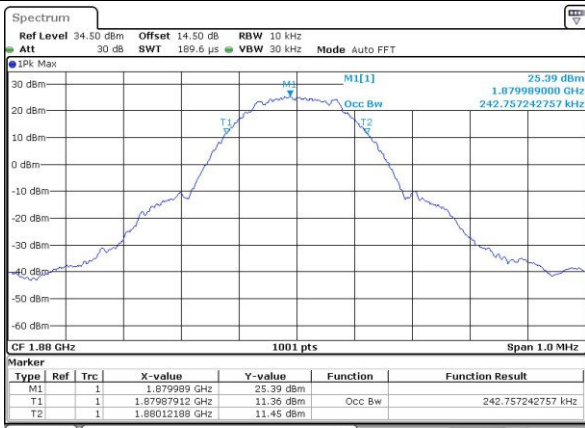
GSM1900 (EDGE class 8)

Lowest Channel



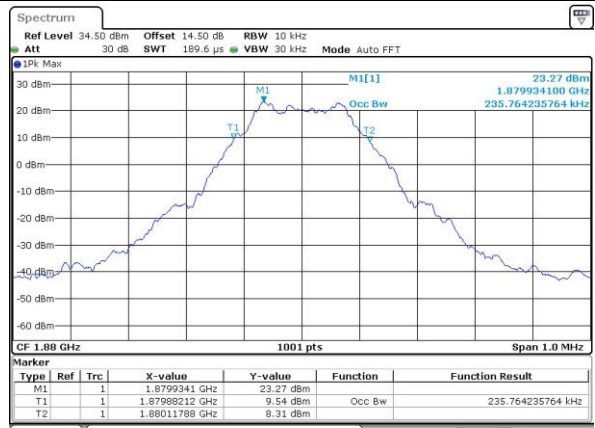
Date: 5 JUL 2017 20:54:30

Middle Channel



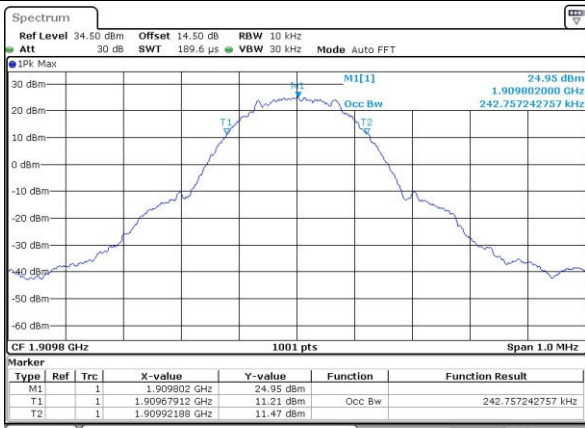
Date: 5 JUL 2017 20:34:28

Middle Channel



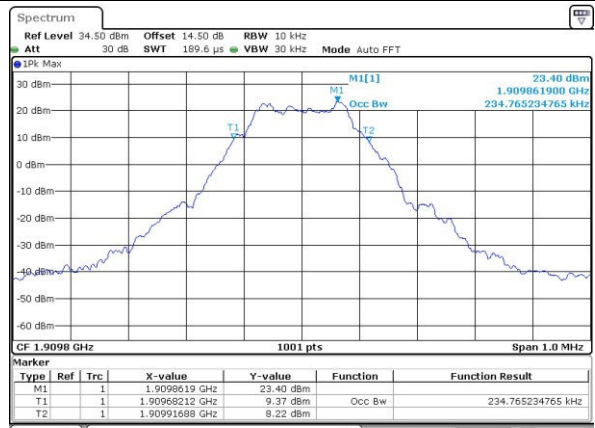
Date: 5 JUL 2017 20:54:58

Highest Channel



Date: 5 JUL 2017 20:34:57

Highest Channel

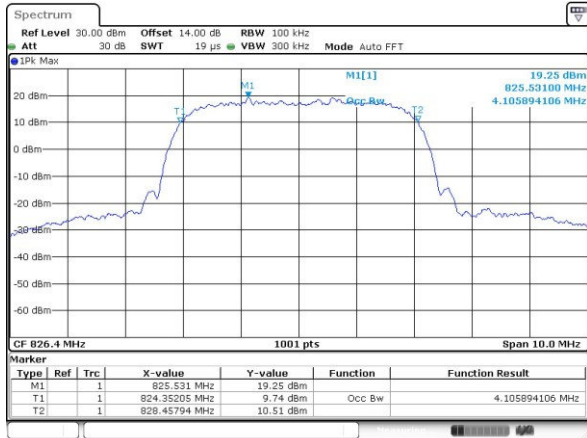


Date: 5 JUL 2017 20:55:27



WCDMA Band V (RMC 12.2Kbps)

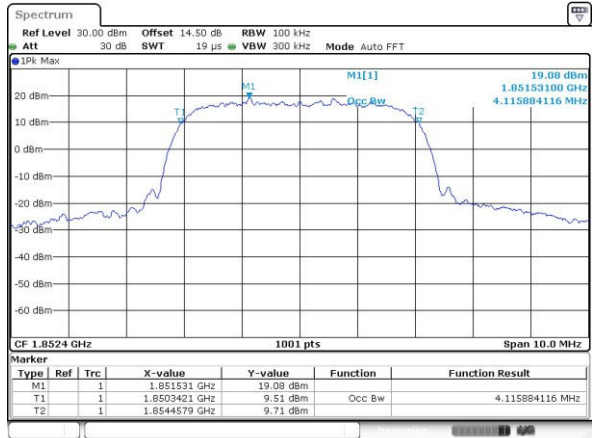
Lowest Channel



Date: 5 JUL 2017 21:51:01

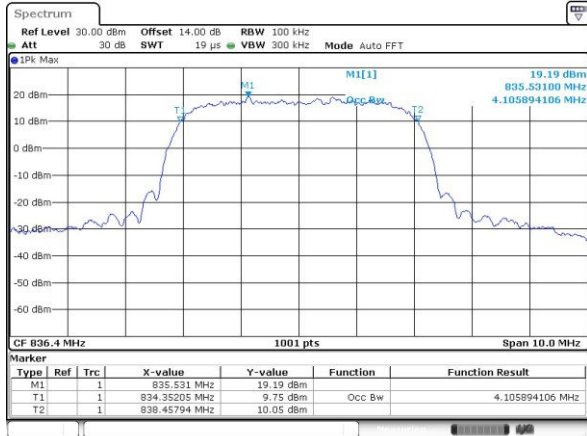
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



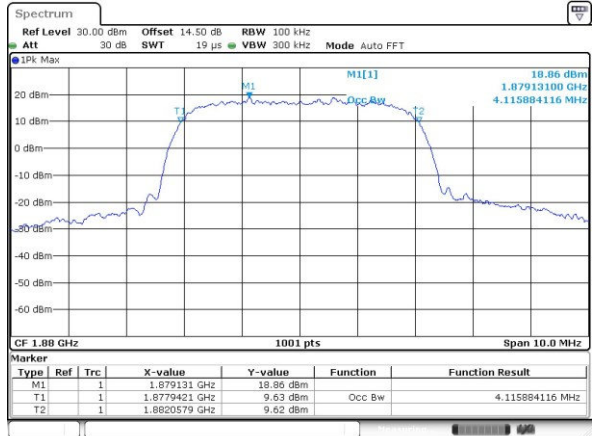
Date: 5 JUL 2017 21:27:43

Middle Channel



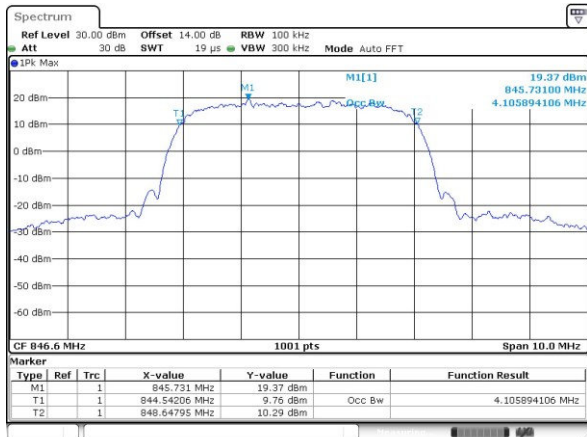
Date: 5 JUL 2017 21:51:29

Middle Channel



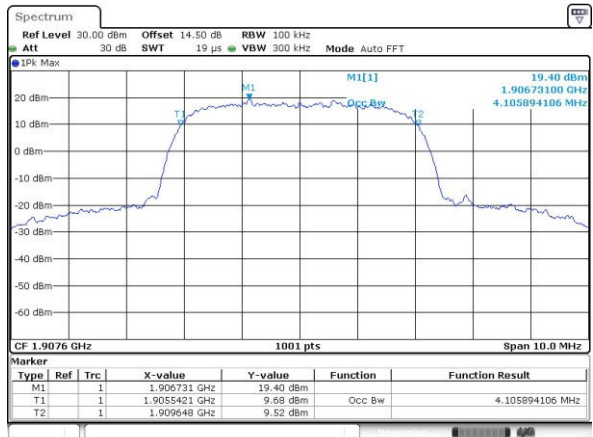
Date: 5 JUL 2017 21:28:11

Highest Channel



Date: 5 JUL 2017 21:51:57

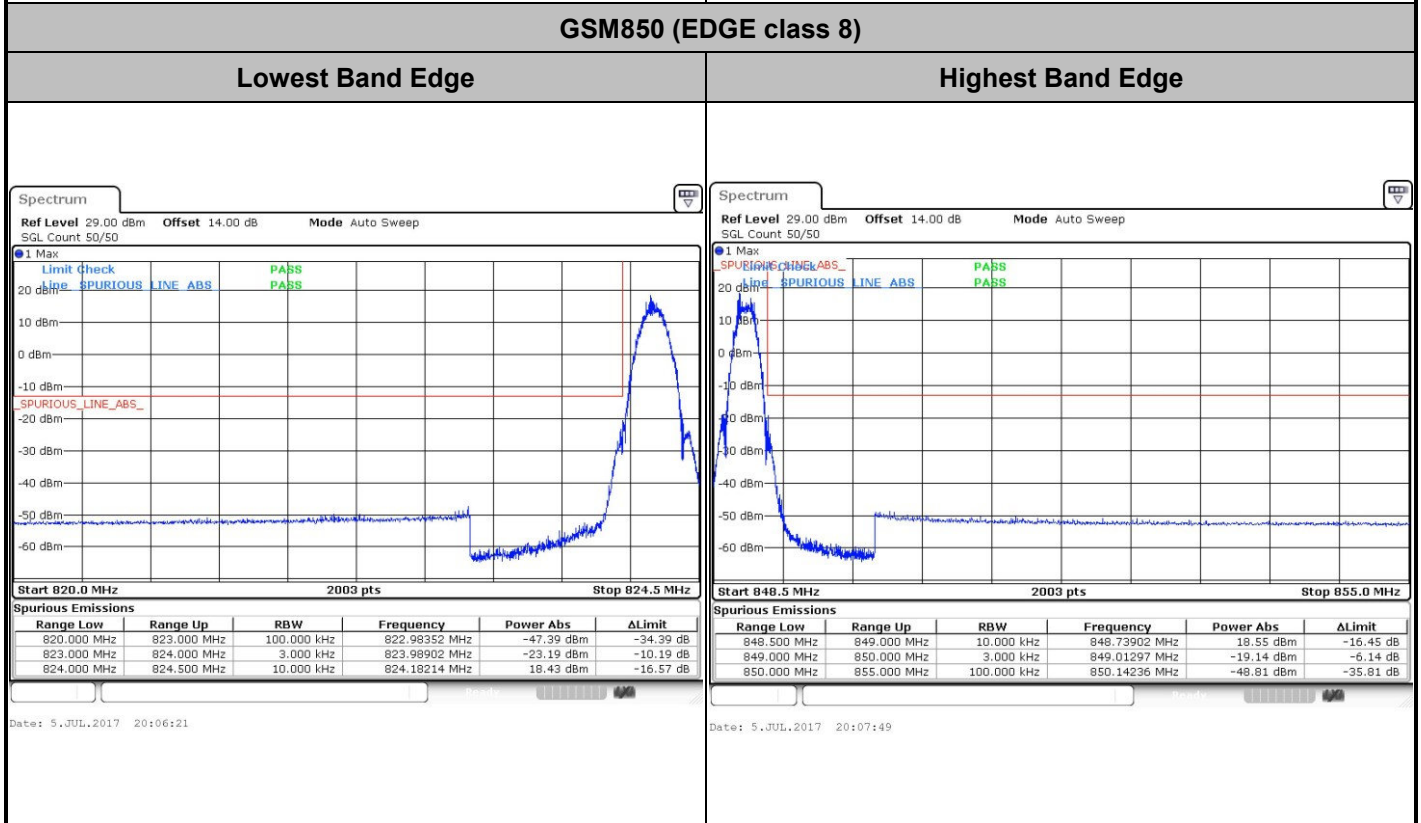
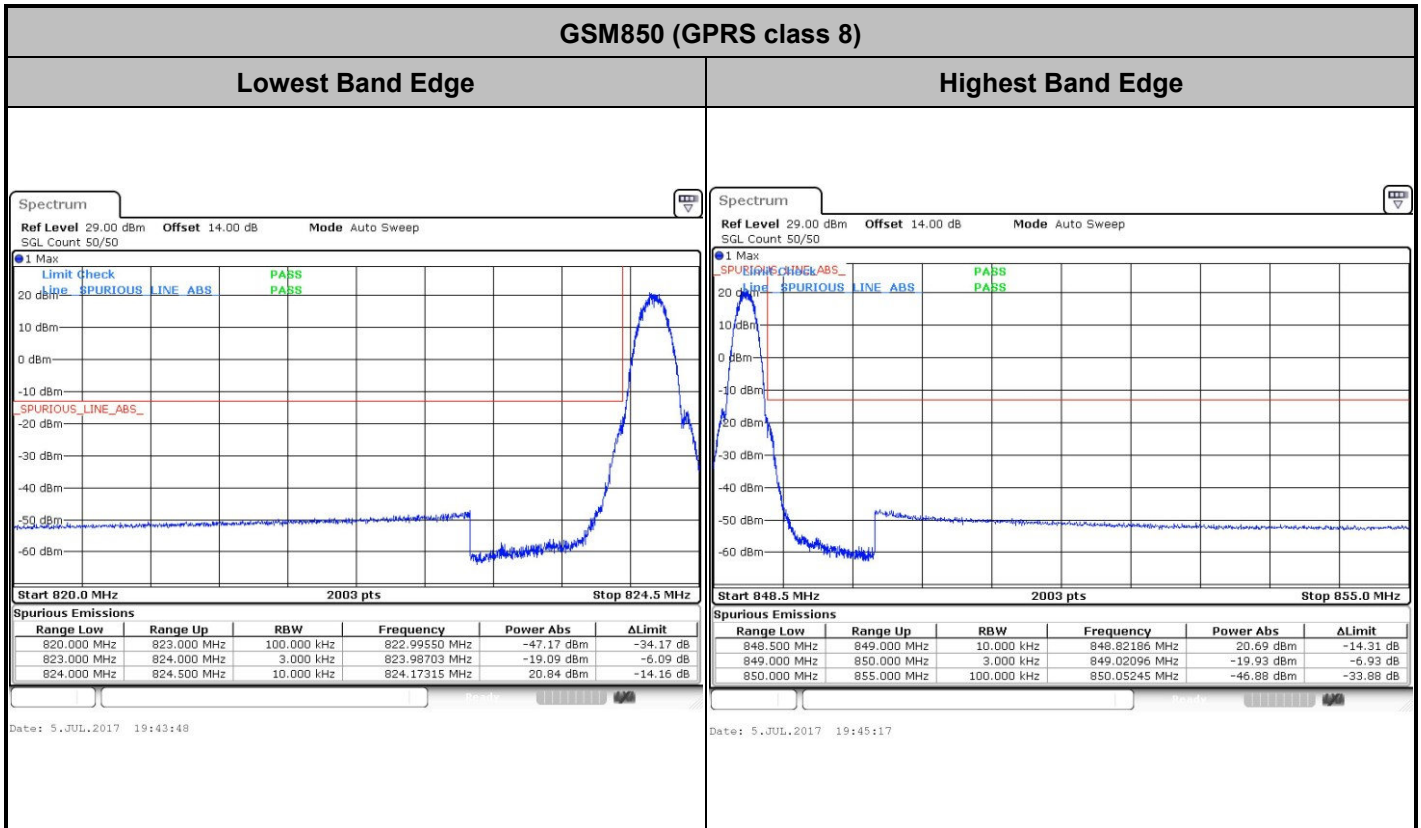
Highest Channel



Date: 5 JUL 2017 21:28:39



Conducted Band Edge

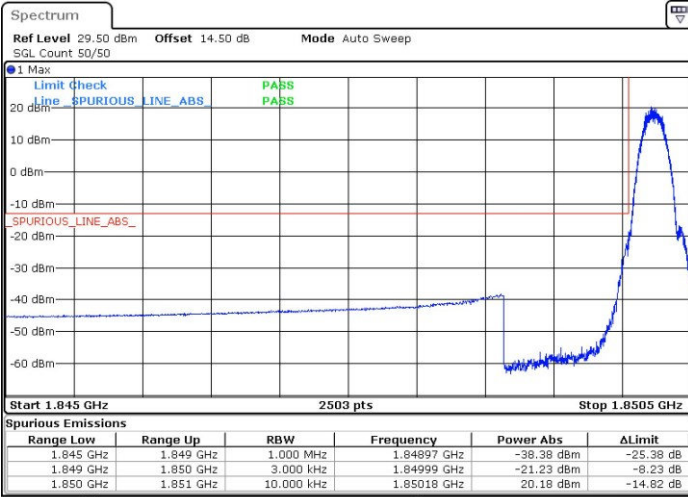




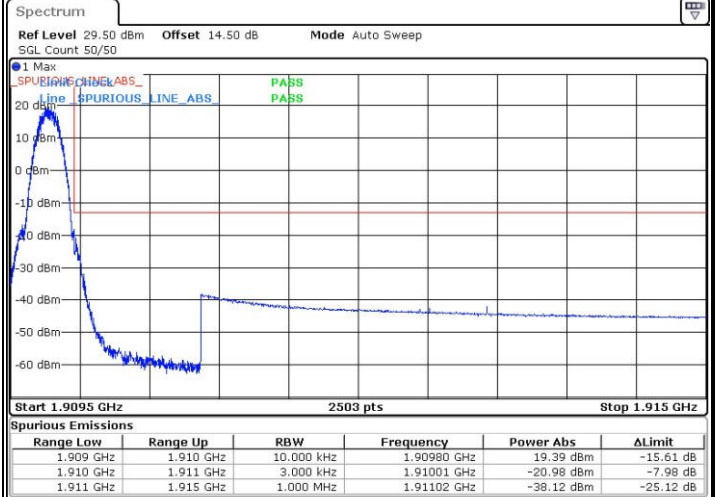
GSM1900 (GPRS class 8)

Lowest Band Edge

Highest Band Edge



Date: 5.JUL.2017 20:38:04

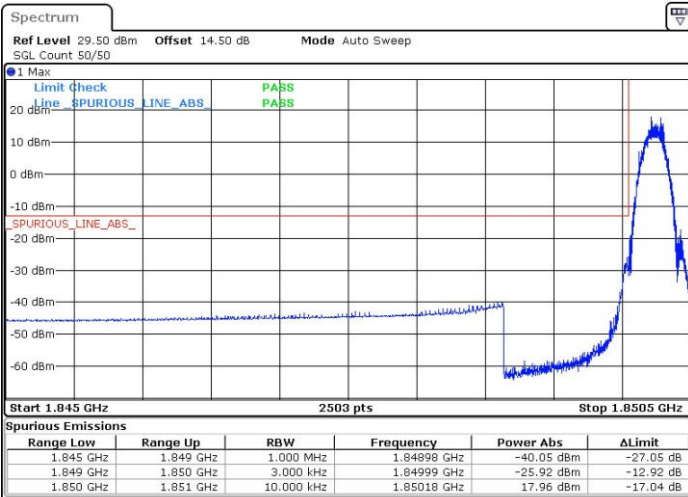


Date: 5.JUL.2017 20:39:33

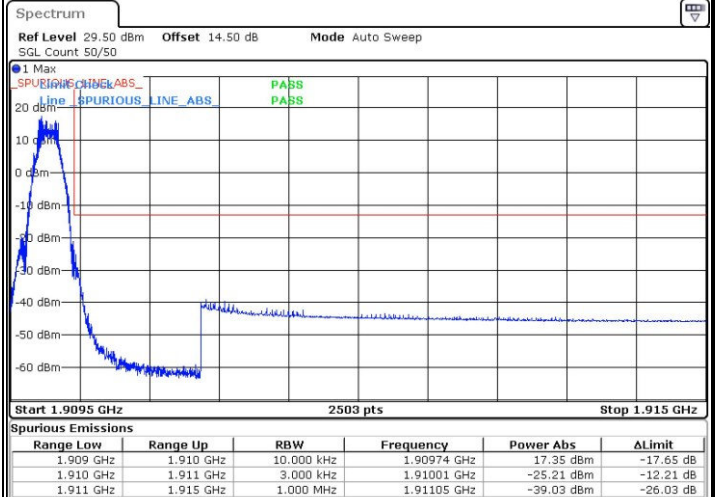
GSM1900 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



Date: 5.JUL.2017 20:59:49



Date: 5.JUL.2017 21:01:18



WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



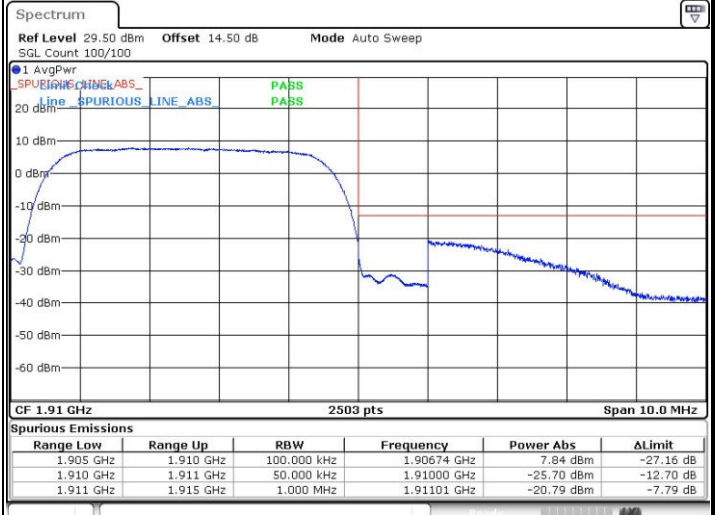
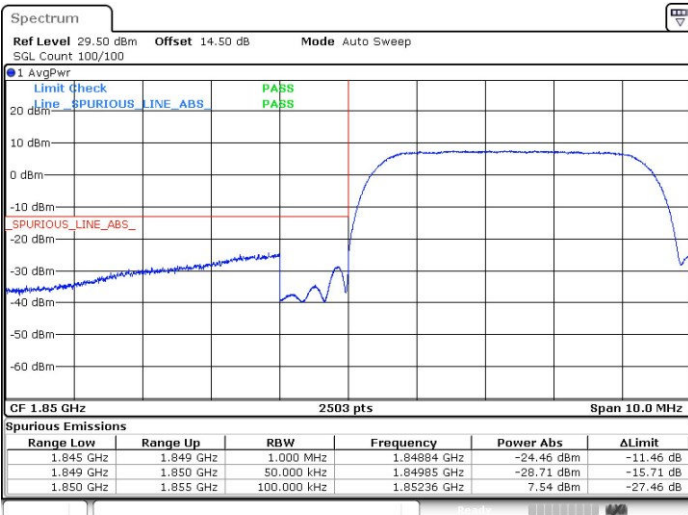
Date: 5.JUL.2017 21:56:10

Date: 5.JUL.2017 21:58:52

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



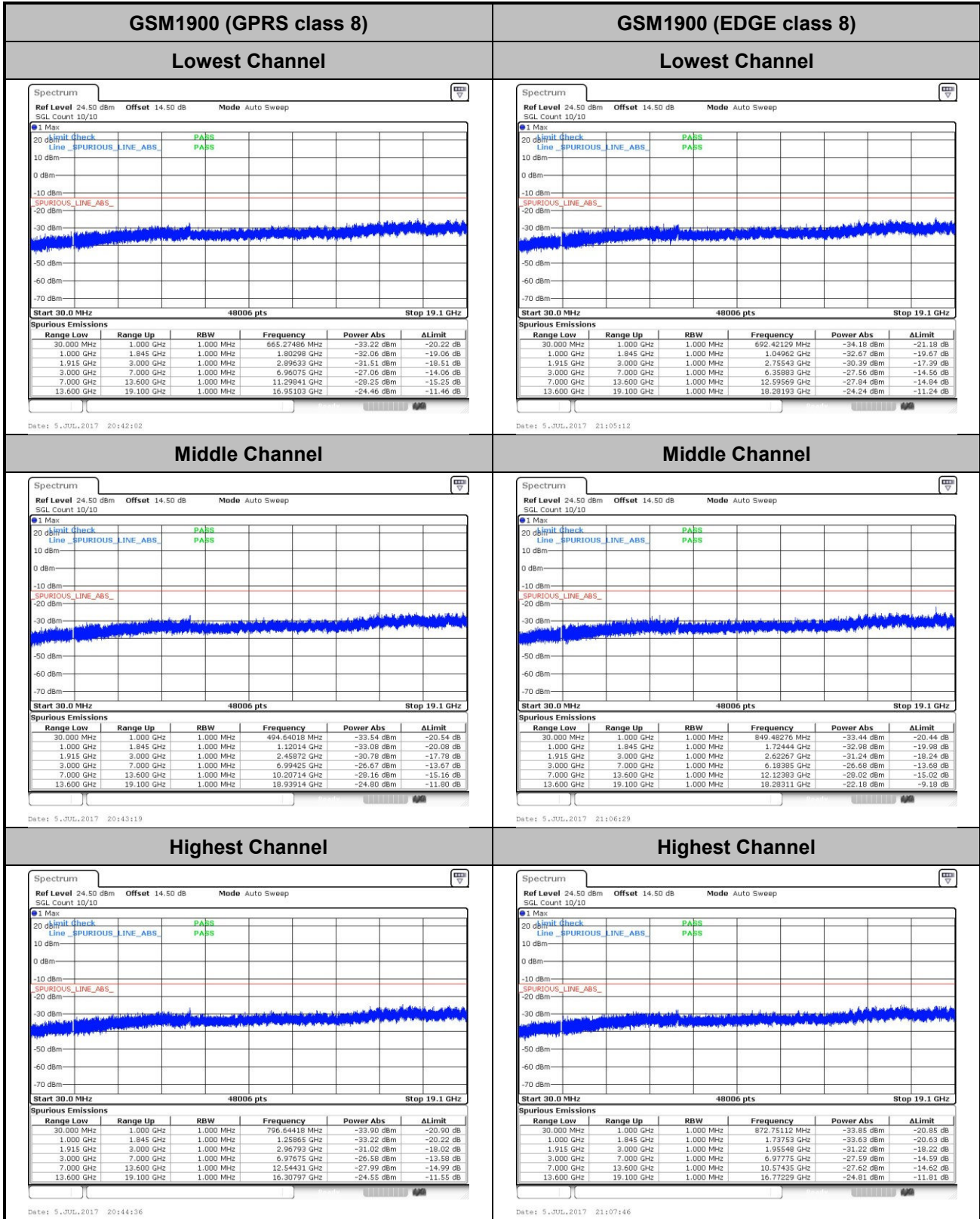
Date: 5.JUL.2017 21:35:32

Date: 5.JUL.2017 21:38:17



Conducted Spurious Emission

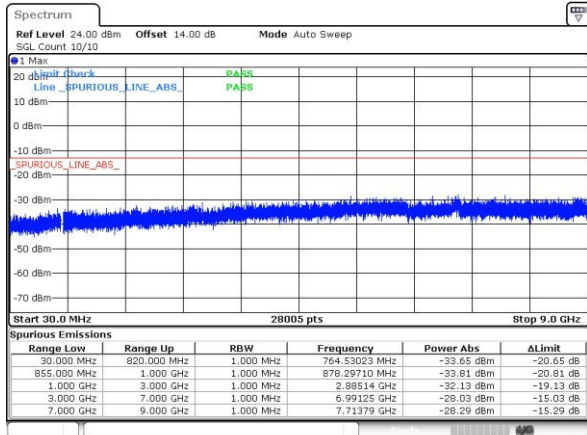






WCDMA Band V (RMC 12.2Kbps)

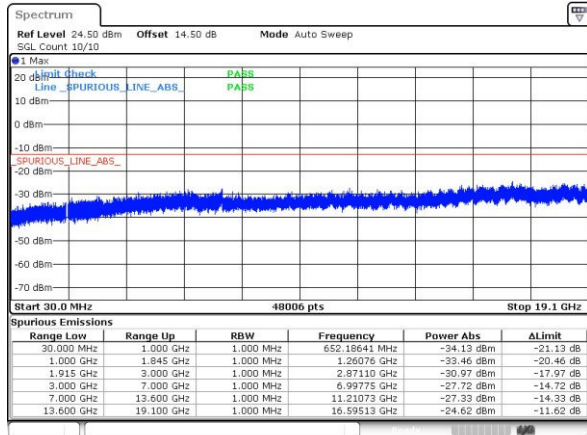
Lowest Channel



Date: 5 JUL 2017 22:00:52

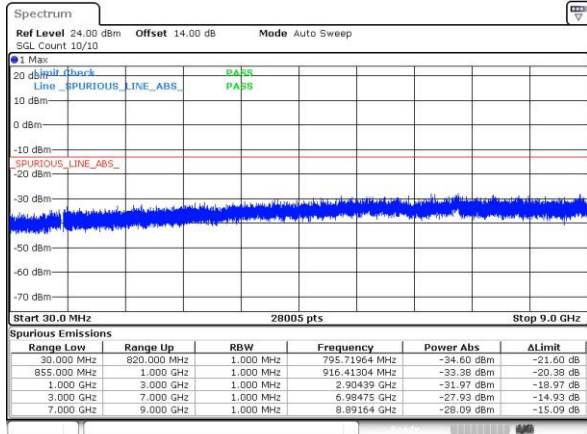
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



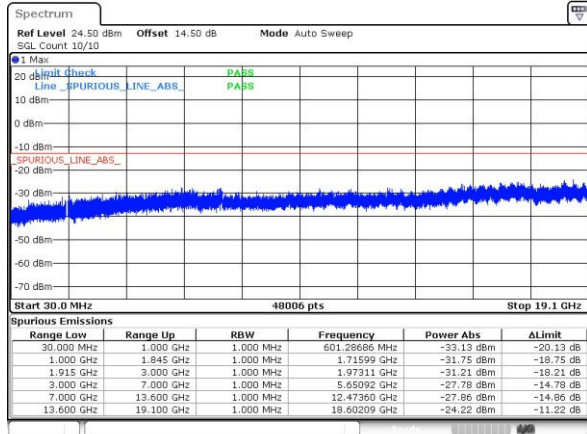
Date: 5 JUL 2017 21:40:14

Middle Channel



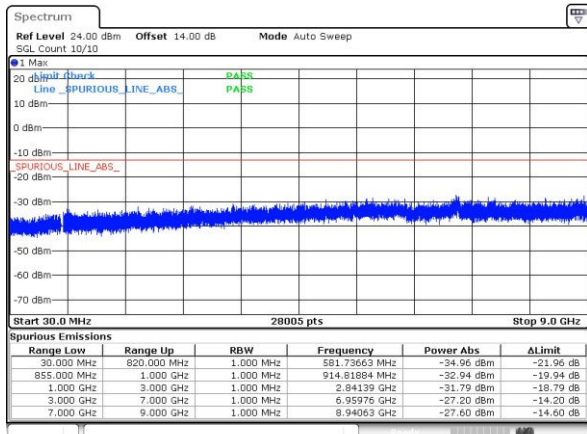
Date: 5 JUL 2017 22:02:09

Middle Channel



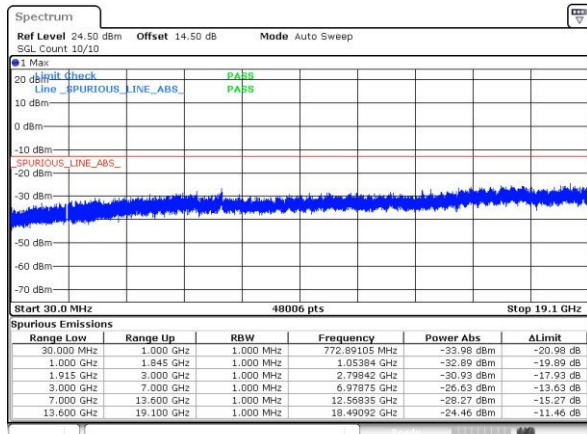
Date: 5 JUL 2017 21:41:31

Highest Channel



Date: 5 JUL 2017 22:03:26

Highest Channel



Date: 5 JUL 2017 21:42:48



Frequency Stability

Test Conditions	Middle Channel	GSM850 (GPRS class 8)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0060	0.0072	PASS
40	Normal Voltage	0.0048	0.0060	
30	Normal Voltage	0.0012	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0036	0.0012	
0	Normal Voltage	0.0012	0.0036	
-10	Normal Voltage	0.0048	0.0060	
-20	Normal Voltage	0.0120	0.0108	
-30	Normal Voltage	0.0191	0.0191	
20	Maximum Voltage	0.0108	0.0060	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0084	0.0060	

Note: Normal Voltage = 3.85V. : Battery End Point (BEP) = 3.5 V. : Maximum Voltage =4.2 V



Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0144	0.0016	PASS
40	Normal Voltage	0.0085	0.0021	
30	Normal Voltage	0.0027	0.0011	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0021	0.0021	
0	Normal Voltage	0.0059	0.0090	
-10	Normal Voltage	0.0085	0.0117	
-20	Normal Voltage	0.0096	0.0122	
-30	Normal Voltage	0.0112	0.0138	
20	Maximum Voltage	0.0037	0.0037	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0027	0.0021	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0215	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0053	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0106	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Sample 1

GSM850 (GPRS 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	-56.75	-13	-43.75	-63.88	-63.44	0.56	9.40	H
	2510	-52.74	-13	-39.74	-64.13	-60.45	0.74	10.60	H
	3346	-63.80	-13	-50.80	-77.08	-73.40	0.85	12.60	H
	1672	-60.20	-13	-47.20	-67.33	-66.89	0.56	9.40	V
	2510	-54.17	-13	-41.17	-65.16	-61.88	0.74	10.60	V
	3346	-63.73	-13	-50.73	-77.24	-73.33	0.85	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	-61.03	-13	-48.03	-68.16	-67.72	0.56	9.40	H
	2510	-63.52	-13	-50.52	-74.91	-71.23	0.74	10.60	H
	3346	-63.98	-13	-50.98	-77.26	-73.58	0.85	12.60	H
	1672	-61.76	-13	-48.76	-68.89	-68.45	0.56	9.40	V
	2510	-64.22	-13	-51.22	-75.21	-71.93	0.74	10.60	V
	3346	-63.82	-13	-50.82	-77.33	-73.42	0.85	12.60	V

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



GSM1900 (GPRS 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	-62.90	-13	-49.90	-78.18	-68.94	6.56	12.60	H
	5640	-59.48	-13	-46.48	-78.83	-64.58	8	13.10	H
	7520	-57.54	-13	-44.54	-81.13	-59.27	9.57	11.30	H
	3760	-62.50	-13	-49.50	-78.05	-68.54	6.56	12.6	V
	5640	-59.25	-13	-46.25	-79.17	-64.35	8	13.1	V
	7520	-57.54	-13	-44.54	-81.18	-59.27	9.57	11.3	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	-62.52	-13	-49.52	-77.80	-68.56	6.56	12.60	H
	5640	-59.80	-13	-46.80	-79.15	-64.90	8	13.10	H
	7520	-57.48	-13	-44.48	-81.07	-59.21	9.57	11.30	H
	3760	-62.00	-13	-49.00	-77.55	-68.04	6.56	12.6	V
	5640	-59.07	-13	-46.07	-78.99	-64.17	8	13.1	V
	7520	-56.90	-13	-43.90	-80.54	-58.63	9.57	11.3	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	-68.55	-13	-55.55	-75.68	-75.24	0.56	9.40	H
	2510	-63.14	-13	-50.14	-74.53	-70.85	0.74	10.60	H
	3346	-64.17	-13	-51.17	-77.45	-73.77	0.85	12.60	H
	1672	-68.50	-13	-55.50	-75.63	-75.19	0.56	9.40	V
	2510	-64.41	-13	-51.41	-75.40	-72.12	0.74	10.60	V
	3346	-63.63	-13	-50.63	-77.14	-73.23	0.85	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	-62.34	-13	-49.34	-77.62	-68.38	6.56	12.60	H
	5640	-56.70	-13	-43.70	-76.05	-61.80	8	13.10	H
	7520	-57.24	-13	-44.24	-80.83	-58.97	9.57	11.30	H
	3760	-60.21	-13	-47.21	-75.76	-66.25	6.56	12.6	V
	5640	-58.91	-13	-45.91	-78.83	-64.01	8	13.1	V
	7520	-56.87	-13	-43.87	-80.51	-58.60	9.57	11.3	V

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



Sample 2

GSM850 (GPRS 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	-52.79	-13	-39.79	-59.92	-59.48	0.56	9.40	H
	2510	-58.45	-13	-45.45	-69.84	-66.16	0.74	10.60	H
	3346	-60.46	-13	-47.46	-73.74	-70.06	0.85	12.60	H
	1672	-53.84	-13	-40.84	-60.97	-60.53	0.56	9.40	V
	2510	-53.38	-13	-40.38	-64.37	-61.09	0.74	10.60	V
	3346	-62.46	-13	-49.46	-75.97	-72.06	0.85	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	-62.68	-13	-49.68	-77.96	-68.72	6.56	12.60	H
	5640	-57.19	-13	-44.19	-76.54	-62.29	8	13.10	H
	7520	-57.39	-13	-44.39	-80.98	-59.12	9.57	11.30	H
	3760	-61.17	-13	-48.17	-76.72	-67.21	6.56	12.6	V
	5640	-59.36	-13	-46.36	-79.28	-64.46	8	13.1	V
	7520	-57.11	-13	-44.11	-80.75	-58.84	9.57	11.3	V

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