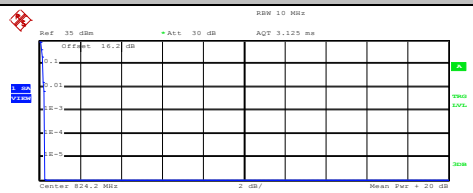
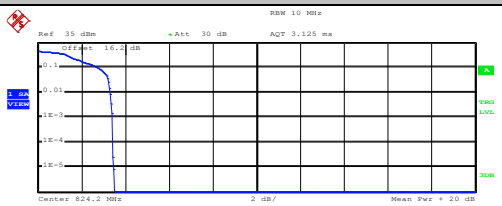
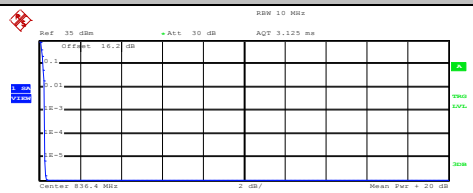
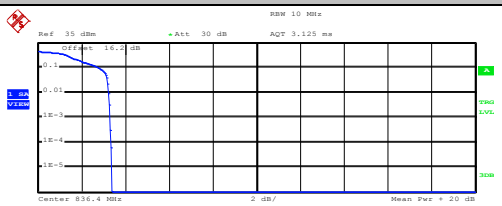
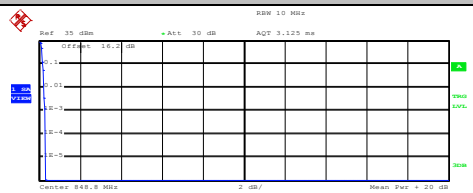
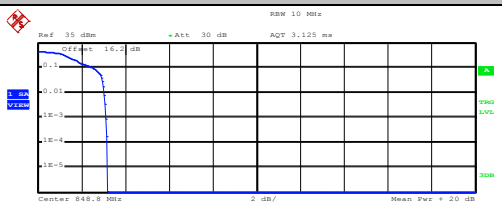
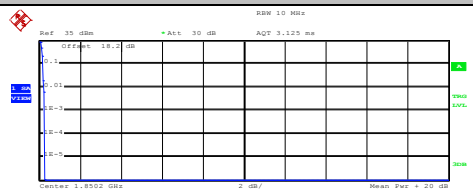
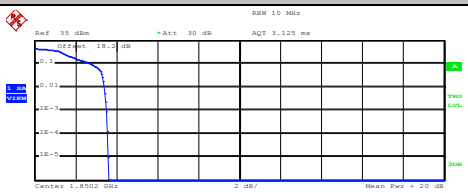
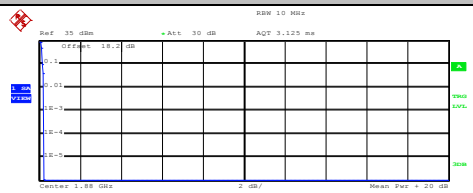
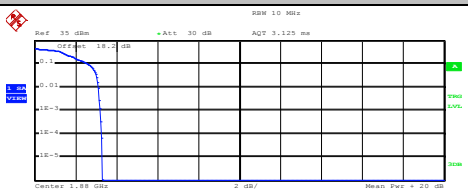
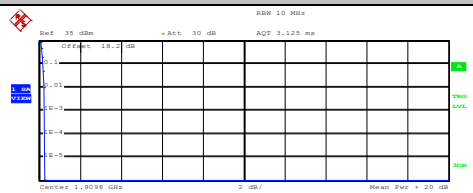
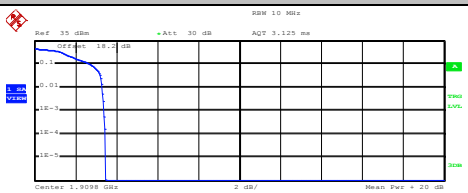
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.28	3.40	PASS
Middle CH	0.28	3.32	
Highest CH	0.28	3.12	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.28	3.52	PASS
Middle CH	0.24	3.20	
Highest CH	0.28	3.40	

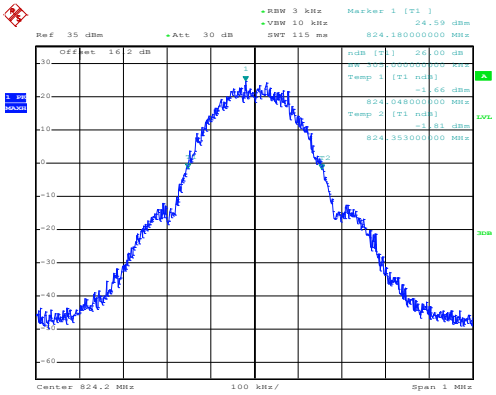
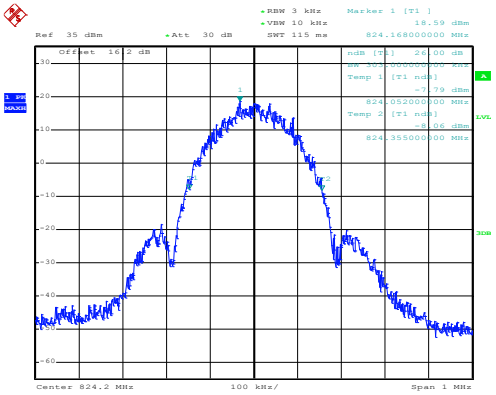
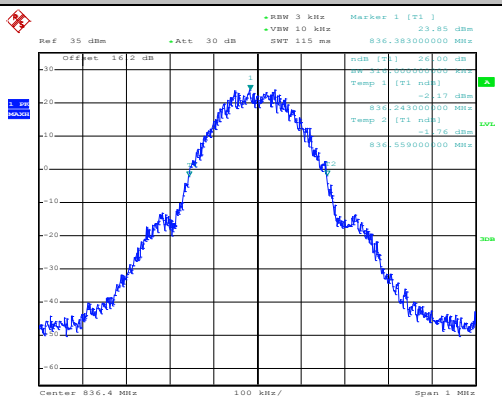
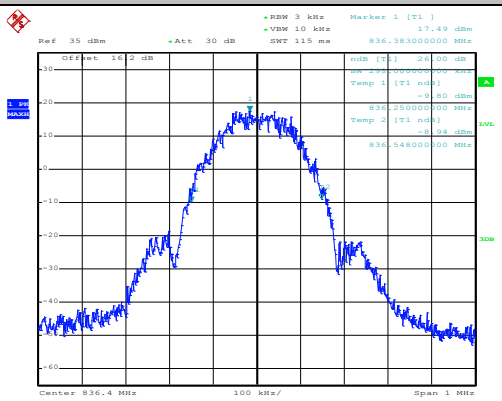
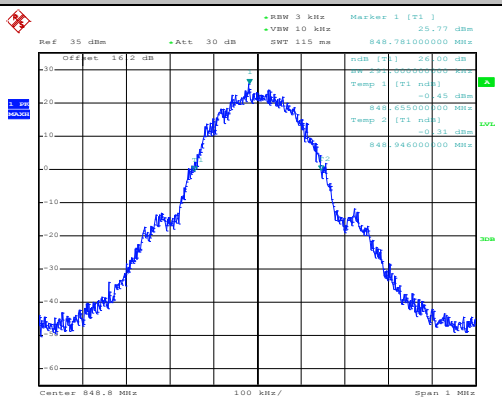
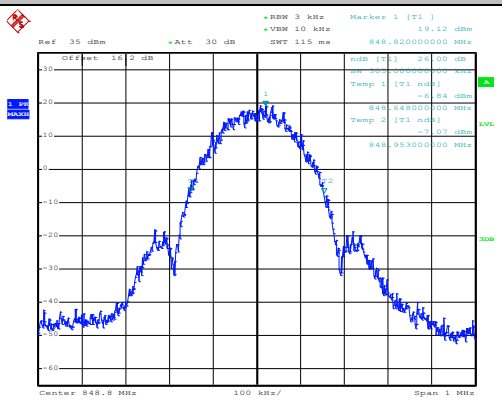
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.81 dBm Peak 32.08 dBm Crest 0.27 dB 10 % 0.20 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.90 dBm Peak 29.40 dBm Crest 3.49 dB 10 % 2.76 dB 1 % 3.32 dB .1 % 3.40 dB .01 % 3.44 dB
Date: 7.SEP.2015 10:41:46	Date: 7.SEP.2015 11:19:20
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.89 dBm Peak 32.22 dBm Crest 0.33 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.28 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.39 dBm Peak 29.75 dBm Crest 3.36 dB 10 % 2.80 dB 1 % 3.24 dB .1 % 3.32 dB .01 % 3.36 dB
Date: 7.SEP.2015 10:42:03	Date: 7.SEP.2015 11:20:28
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.20 dBm Peak 32.50 dBm Crest 0.30 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.32 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.87 dBm Peak 30.03 dBm Crest 3.16 dB 10 % 2.52 dB 1 % 3.04 dB .1 % 3.12 dB .01 % 3.16 dB
Date: 7.SEP.2015 10:42:18	Date: 7.SEP.2015 11:21:01

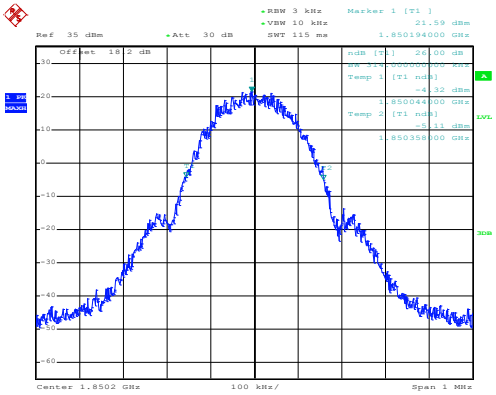
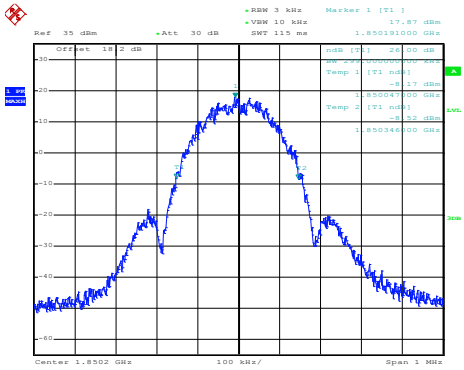
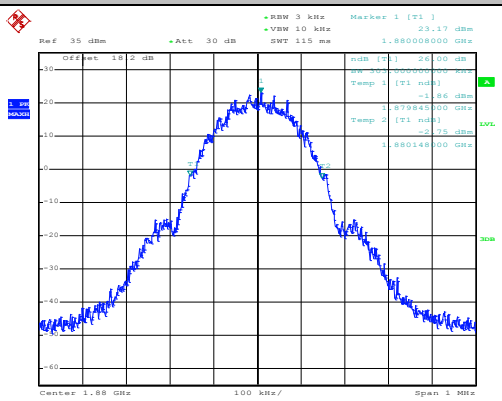
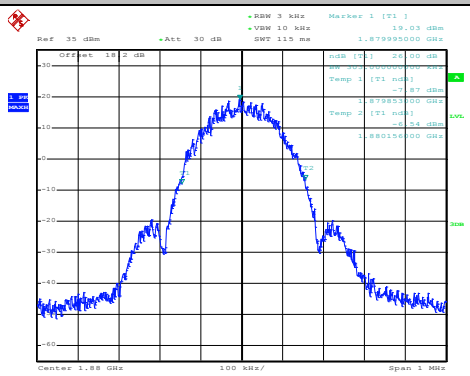
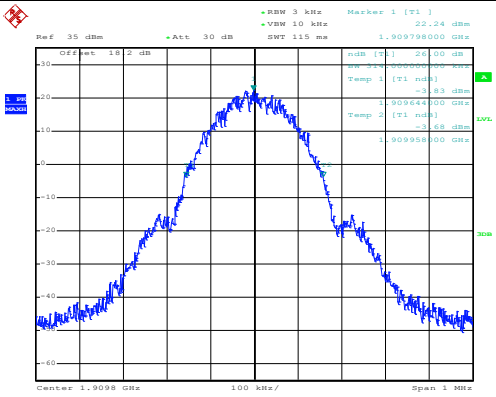
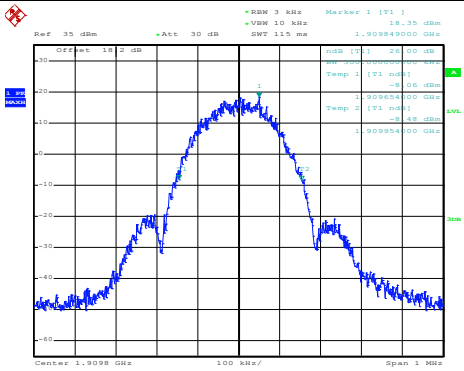
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.77 dBm Peak 30.03 dBm Crest 0.26 dB 10 % 0.20 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.77 dBm Peak 29.40 dBm Crest 3.63 dB 10 % 2.76 dB 1 % 3.40 dB .1 % 3.52 dB .01 % 3.56 dB
Date: 7.SEP.2015 14:37:40	Date: 7.SEP.2015 15:12:39
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.95 dBm Peak 30.17 dBm Crest 0.23 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.32 dBm Peak 29.61 dBm Crest 3.28 dB 10 % 2.64 dB 1 % 3.12 dB .1 % 3.20 dB .01 % 3.28 dB
Date: 7.SEP.2015 14:39:02	Date: 7.SEP.2015 15:14:05
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.78 dBm Peak 30.03 dBm Crest 0.25 dB 10 % 0.20 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.88 dBm Peak 29.33 dBm Crest 3.45 dB 10 % 2.72 dB 1 % 3.32 dB .1 % 3.40 dB .01 % 3.44 dB
Date: 7.SEP.2015 14:40:04	Date: 7.SEP.2015 15:15:09

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.305	0.303
Middle CH	0.316	0.298
Highest CH	0.291	0.305

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.314	0.299
Middle CH	0.303	0.303
Highest CH	0.314	0.300

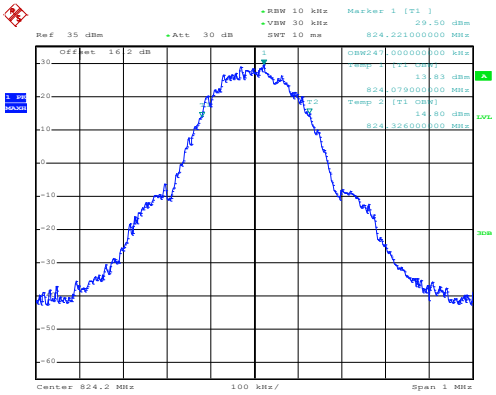
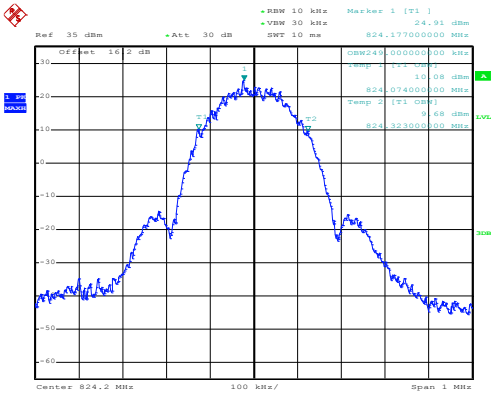
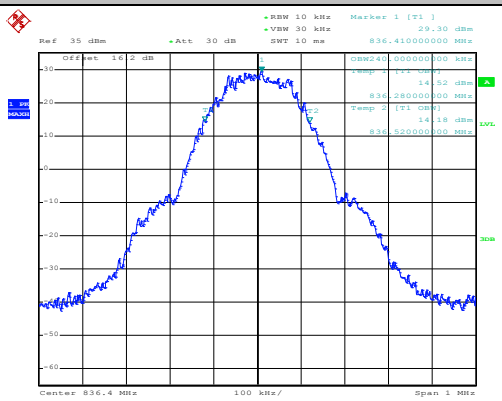
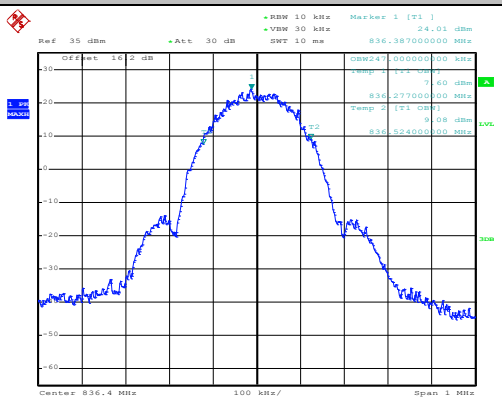
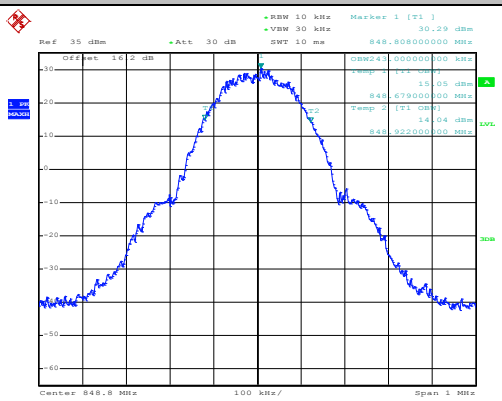
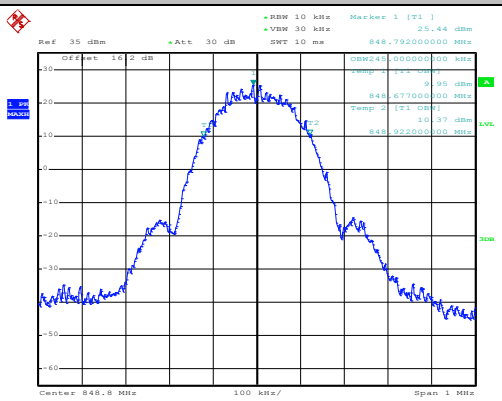
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 10:31:40	Date: 7.SEP.2015 11:11:46
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 10:32:10	Date: 7.SEP.2015 11:12:26
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 10:32:42	Date: 7.SEP.2015 11:13:13

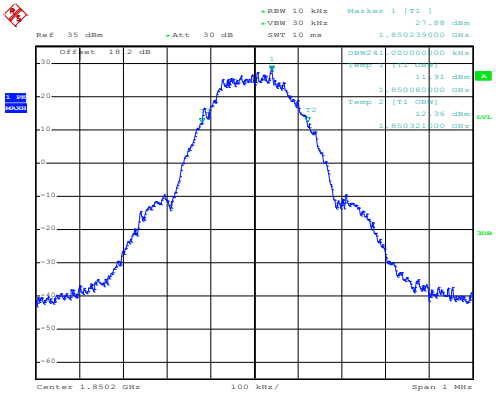
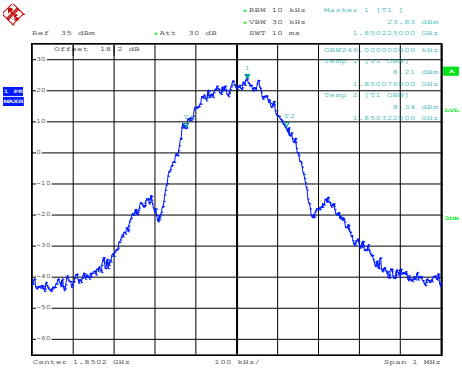
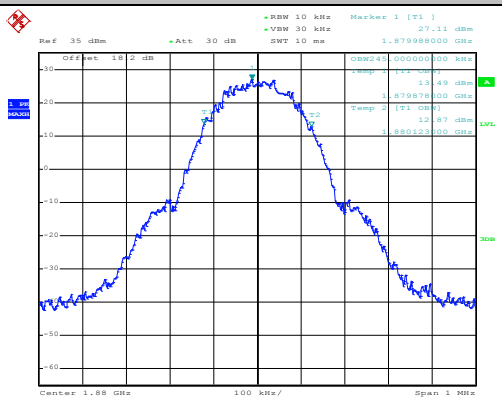
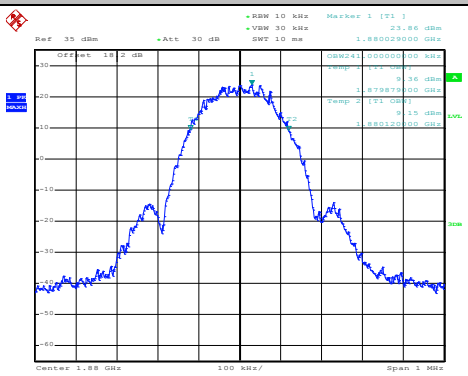
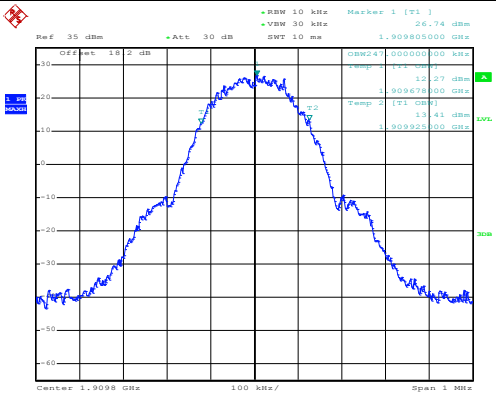
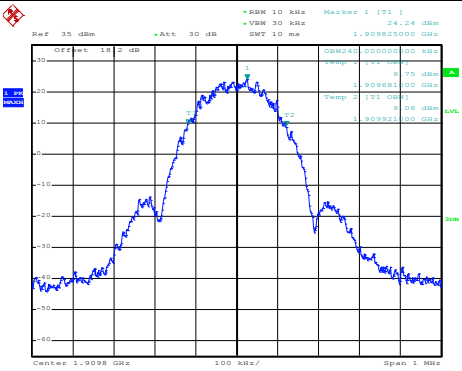
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 14:24:35	Date: 7.SEP.2015 14:57:07
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 14:25:43	Date: 7.SEP.2015 14:59:11
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 14:26:27	Date: 7.SEP.2015 15:00:13

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.247	0.249
Middle CH	0.240	0.247
Highest CH	0.243	0.245

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.241	0.246
Middle CH	0.245	0.241
Highest CH	0.247	0.240

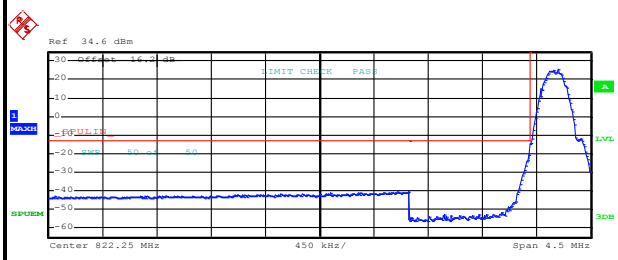
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 10:33:45	Date: 7.SEP.2015 11:14:04
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 10:34:17	Date: 7.SEP.2015 11:14:38
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 10:34:50	Date: 7.SEP.2015 11:15:11

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 14:28:06	Date: 7.SEP.2015 15:00:50
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 14:28:44	Date: 7.SEP.2015 15:02:00
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 14:29:23	Date: 7.SEP.2015 15:02:34

Conducted Band Edge

GSM850 (GPRS class 8)

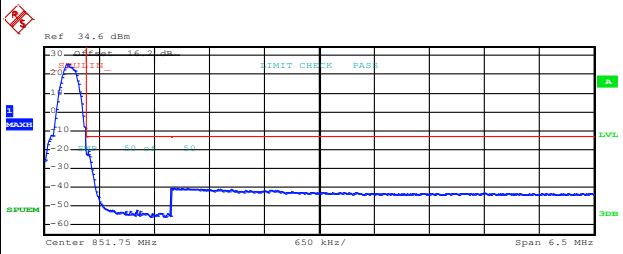
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.991000 M	-40.35	-27.35
823.000 M	824.000 M	3.00 k	823.980000 M	-20.55	-7.55
824.000 M	824.500 M	10.00 k	824.231000 M	25.49	-9.51

Date: 7.SEP.2015 10:36:27

Highest Band Edge

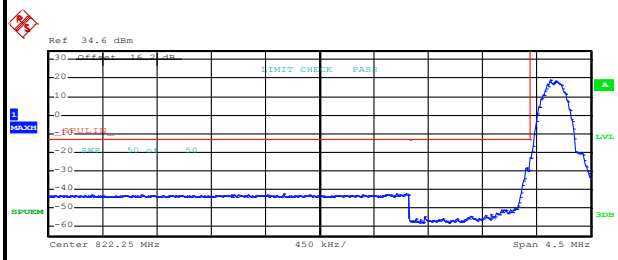


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.781500 M	25.51	-9.49
849.000 M	850.000 M	3.00 k	849.016000 M	-20.53	-7.53
850.000 M	855.000 M	100.00 k	850.010000 M	-40.26	-27.26

Date: 7.SEP.2015 10:38:02

GSM850 (EDGE class 8)

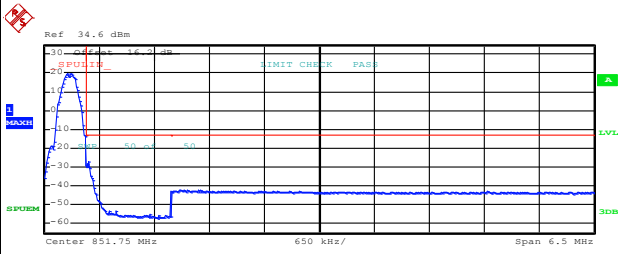
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.889000 M	-42.41	-29.41
823.000 M	824.000 M	3.00 k	823.964000 M	-28.38	-15.38
824.000 M	824.500 M	10.00 k	824.163500 M	18.81	-16.19

Date: 7.SEP.2015 11:16:47

Highest Band Edge

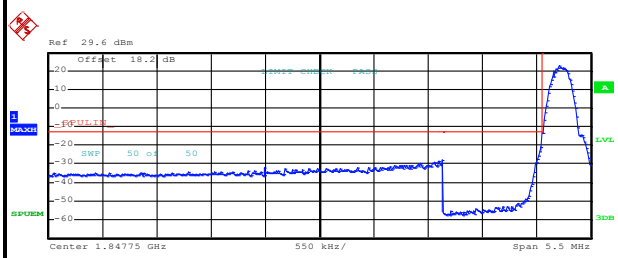


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.767500 M	19.79	-15.21
849.000 M	850.000 M	3.00 k	849.012000 M	-27.26	-14.26
850.000 M	855.000 M	100.00 k	850.095000 M	-42.46	-29.46

Date: 7.SEP.2015 11:18:39

GSM1900 (GPRS class 8)

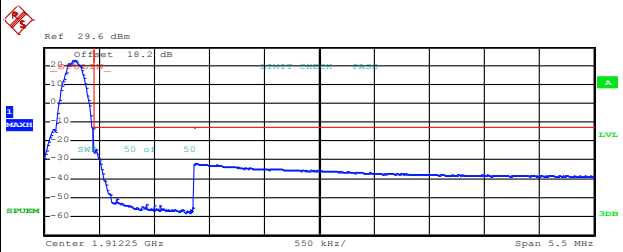
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848992 G	-27.77	-14.77
1.849 G	1.850 G	3.00 k	1.849980 G	-23.15	-10.15
1.850 G	1.851 G	10.00 k	1.850184 G	22.93	-12.07

Date: 7.SEP.2015 14:31:10

Highest Band Edge

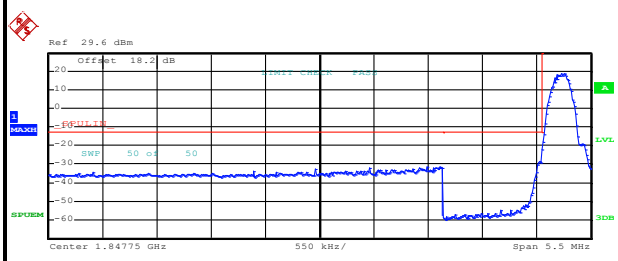


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909811 G	23.02	-11.98
1.910 G	1.911 G	3.00 k	1.910008 G	-24.25	-11.25
1.911 G	1.915 G	1.00 M	1.911016 G	-32.27	-19.27

Date: 7.SEP.2015 14:32:51

GSM1900 (EDGE class 8)

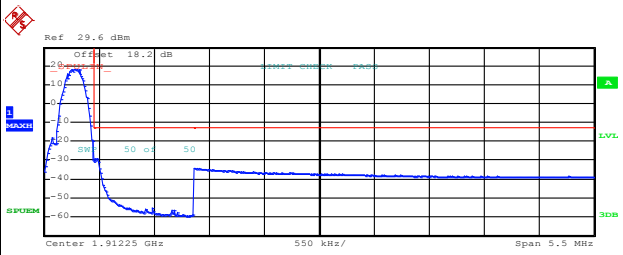
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848832 G	-31.59	-18.59
1.849 G	1.850 G	3.00 k	1.849976 G	-28.73	-15.73
1.850 G	1.851 G	10.00 k	1.850202 G	18.89	-16.11

Date: 7.SEP.2015 15:04:12

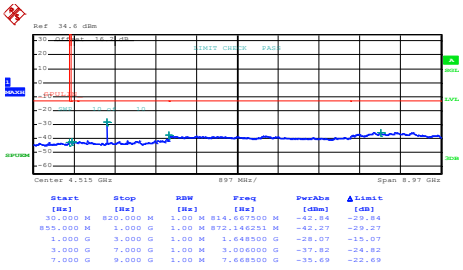
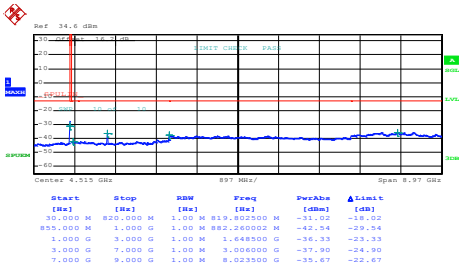
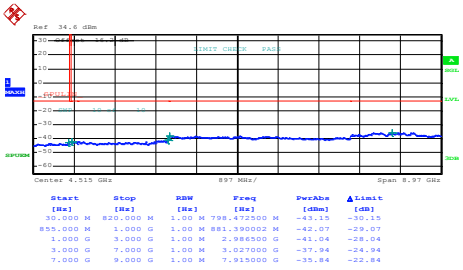
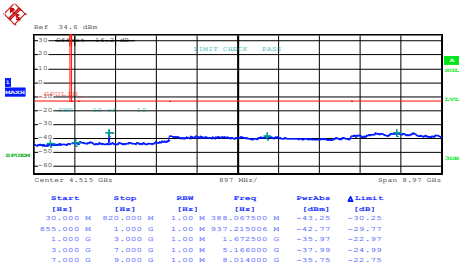
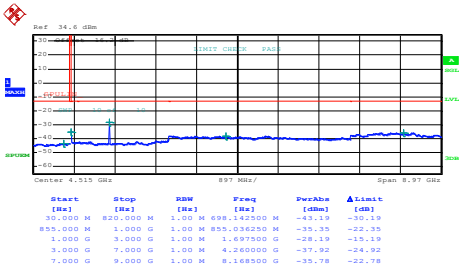
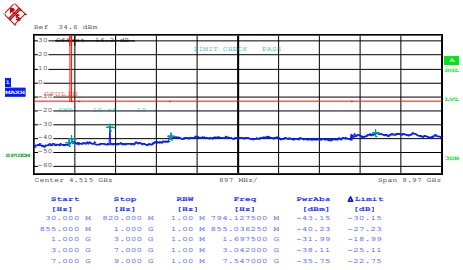
Highest Band Edge

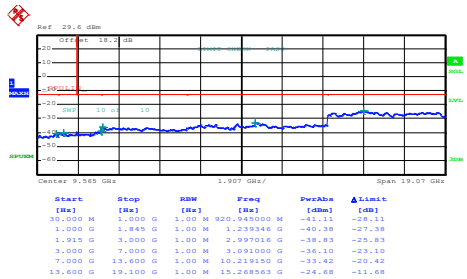
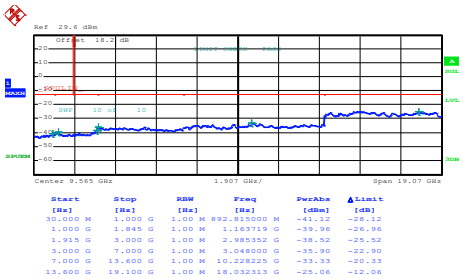
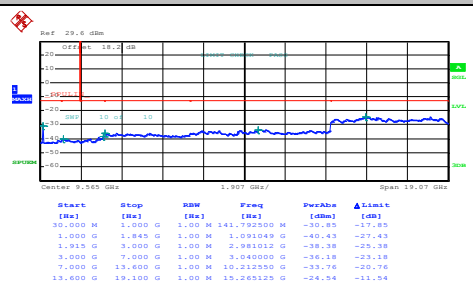
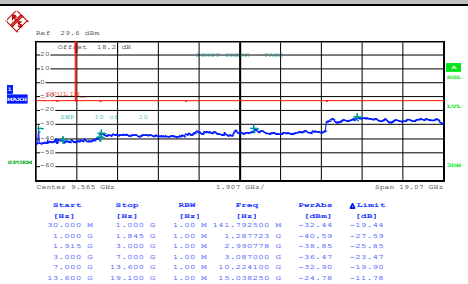
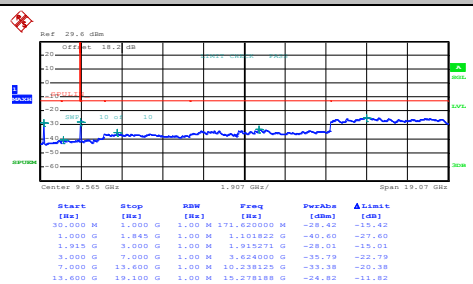
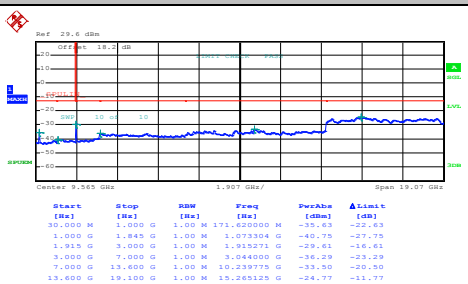


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909801 G	18.49	-16.51
1.910 G	1.911 G	3.00 k	1.910004 G	-29.29	-16.29
1.911 G	1.915 G	1.00 M	1.911044 G	-34.33	-21.33

Date: 7.SEP.2015 15:05:55

Conducted Spurious Emission

GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 10:47:14	Date: 7.SEP.2015 11:24:02
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 10:47:39	Date: 7.SEP.2015 11:27:53
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 10:48:09	Date: 7.SEP.2015 11:29:03

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 7.SEP.2015 14:46:21	Date: 7.SEP.2015 15:20:21
Middle Channel	**Middle Channel**
	
Date: 7.SEP.2015 14:47:18	Date: 7.SEP.2015 15:21:14
Highest Channel	**Highest Channel**
	
Date: 7.SEP.2015 14:50:22	Date: 7.SEP.2015 15:22:26

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	0.0036	0.0084	PASS
40	Normal Voltage	0.0024	0.0084	
30	Normal Voltage	0.0383	0.0048	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0538	0.0179	
0	Normal Voltage	0.0658	0.1040	
-10	Normal Voltage	0.0562	0.0849	
-20	Normal Voltage	0.0514	0.0227	
-30	Normal Voltage	0.0610	0.0203	
20	Maximum Voltage	0.0442	0.0096	
20	Normal Voltage	0.0012	0.0012	
20	Battery End Point	0.0490	0.0024	

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	0.0085	0.0016	PASS
40	Normal Voltage	0.0122	0.0011	
30	Normal Voltage	0.0059	0.0287	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0059	0.0011	
0	Normal Voltage	0.0043	0.0314	
-10	Normal Voltage	0.0064	0.0271	
-20	Normal Voltage	0.0016	0.0303	
-30	Normal Voltage	0.0021	0.0255	
20	Maximum Voltage	0.0043	0.0287	
20	Normal Voltage	0.0016	0.0016	
20	Battery End Point	0.0048	0.0277	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.2 V

2. The frequency fundamental emissions stay within the authorized frequency block.