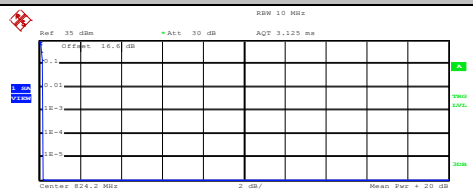
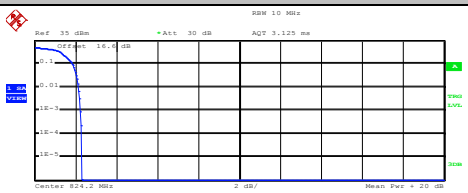
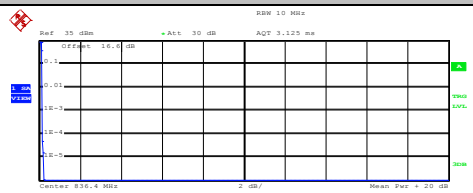
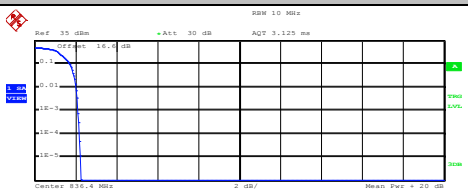
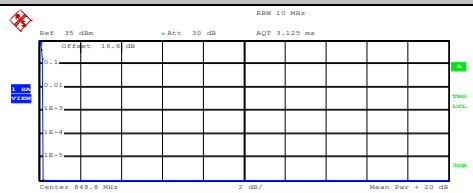
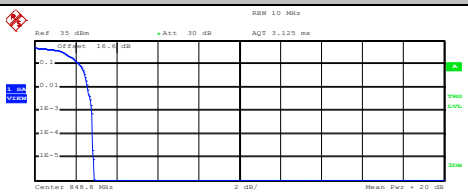
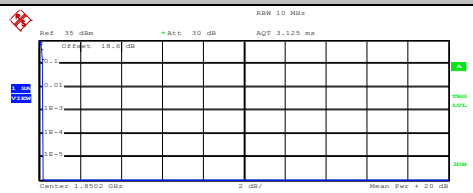
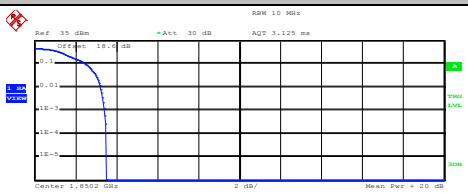
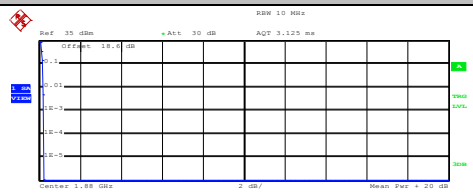
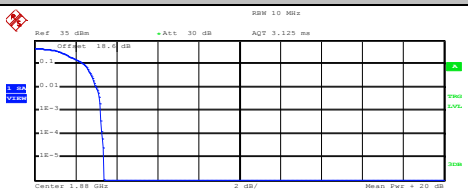
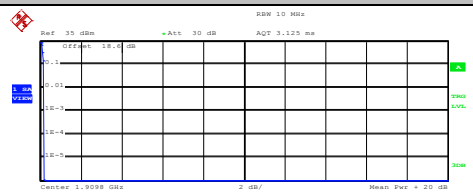
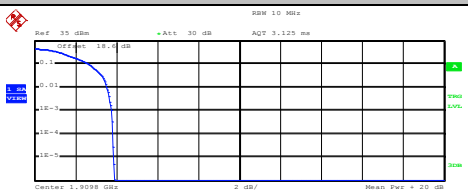
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	2.24	PASS
Middle CH	0.16	2.12	
Highest CH	0.20	2.80	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	3.40	PASS
Middle CH	0.24	3.24	
Highest CH	0.20	3.76	

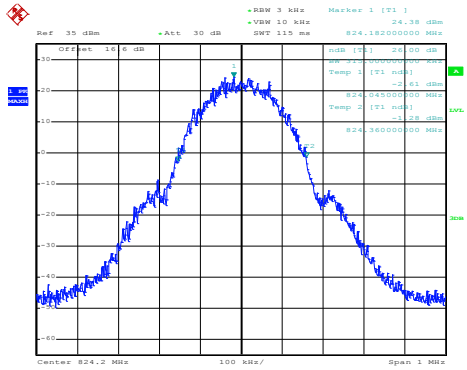
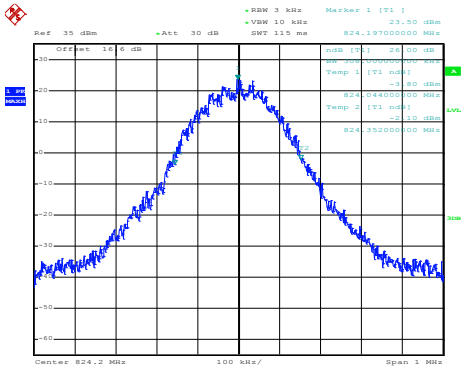
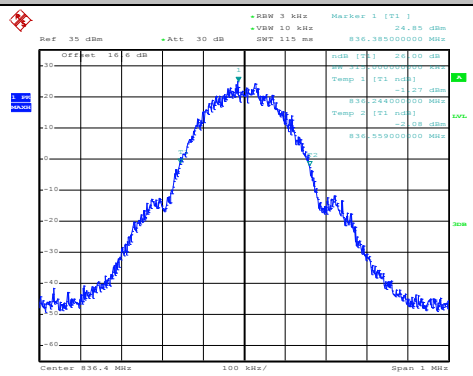
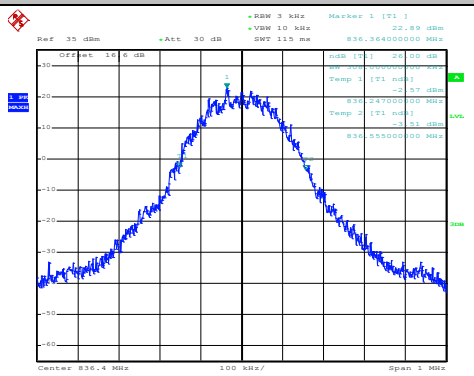
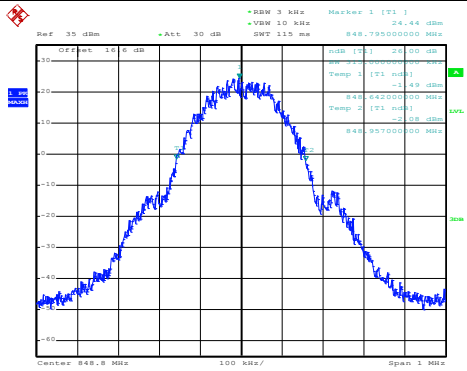
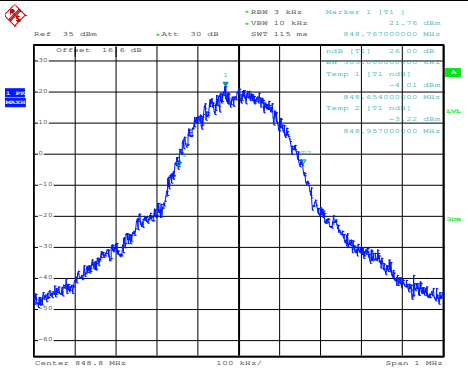
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.31 dBm Peak 32.50 dBm Crest 0.19 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.00 dBm Peak 32.29 dBm Crest 2.29 dB 10 % 1.84 dB 1 % 2.16 dB .1 % 2.24 dB .01 % 2.32 dB
Date: 29.OCT.2015 09:43:20	Date: 29.OCT.2015 09:53:50
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.86 dBm Peak 32.08 dBm Crest 0.22 dB 10 % 0.16 dB 1 % 0.16 dB .1 % 0.16 dB .01 % 0.16 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.69 dBm Peak 31.94 dBm Crest 2.25 dB 10 % 1.72 dB 1 % 2.04 dB .1 % 2.12 dB .01 % 2.20 dB
Date: 29.OCT.2015 09:43:34	Date: 29.OCT.2015 09:54:06
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.03 dBm Peak 32.22 dBm Crest 0.19 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.03 dBm Peak 31.94 dBm Crest 2.90 dB 10 % 2.20 dB 1 % 2.60 dB .1 % 2.80 dB .01 % 2.84 dB
Date: 29.OCT.2015 09:43:47	Date: 29.OCT.2015 09:54:22

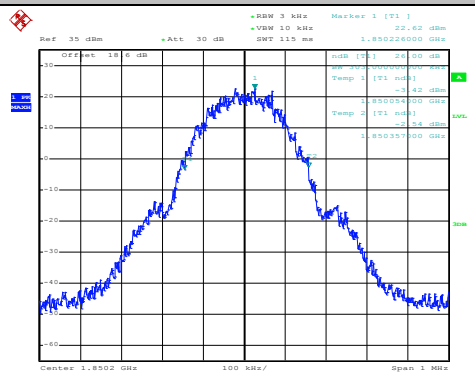
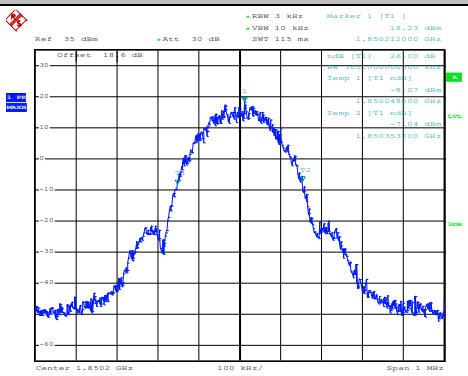
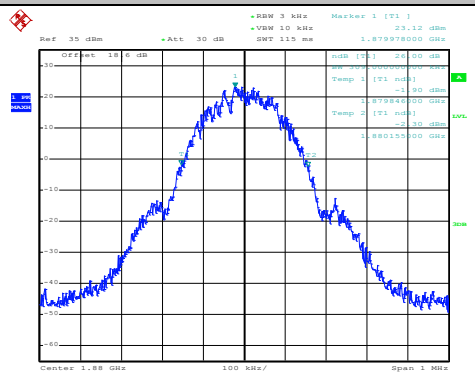
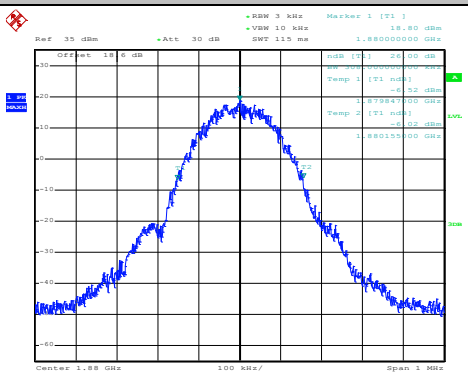
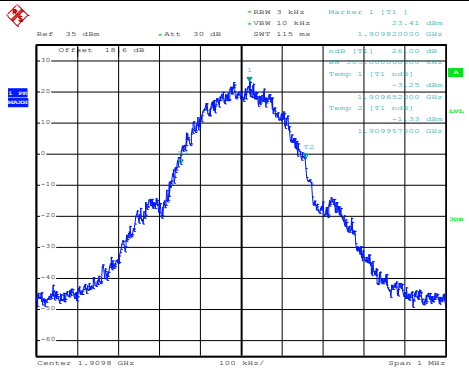
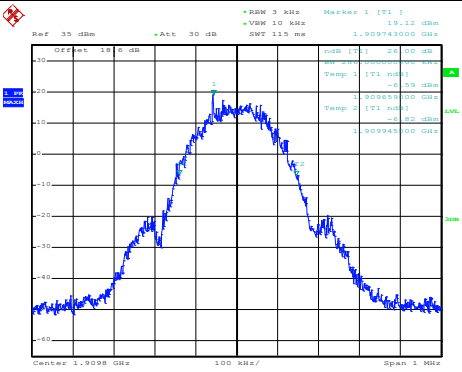
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 29.99 dBm Peak 30.17 dBm Crest 0.19 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.33 dBm Peak 28.83 dBm Crest 3.51 dB 10 % 2.52 dB 1 % 3.24 dB .1 % 3.40 dB .01 % 3.52 dB
Date: 29.OCT.2015 10:05:32	Date: 29.OCT.2015 10:21:22
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.68 dBm Peak 30.88 dBm Crest 0.20 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.09 dBm Peak 29.47 dBm Crest 3.38 dB 10 % 2.40 dB 1 % 3.00 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 29.OCT.2015 10:05:57	Date: 29.OCT.2015 10:21:36
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.40 dBm Peak 30.60 dBm Crest 0.19 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.39 dBm Peak 28.27 dBm Crest 3.88 dB 10 % 2.68 dB 1 % 3.52 dB .1 % 3.76 dB .01 % 3.84 dB
Date: 29.OCT.2015 10:06:12	Date: 29.OCT.2015 10:21:51

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.315	0.308
Middle CH	0.315	0.308
Highest CH	0.315	0.303

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.303	0.305
Middle CH	0.309	0.308
Highest CH	0.305	0.286

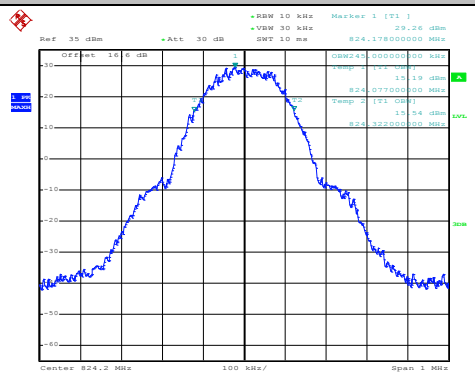
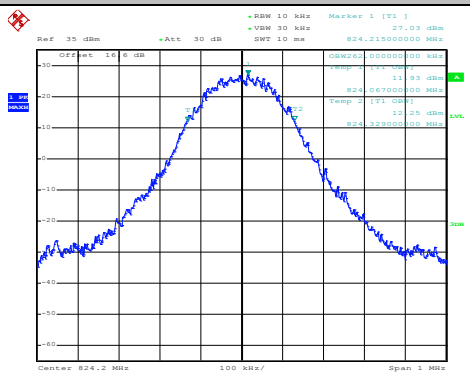
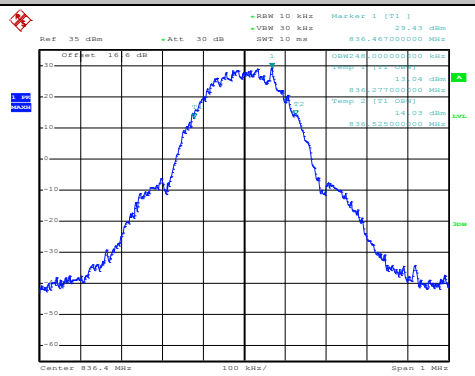
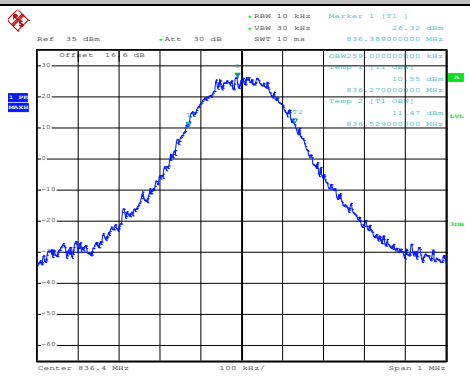
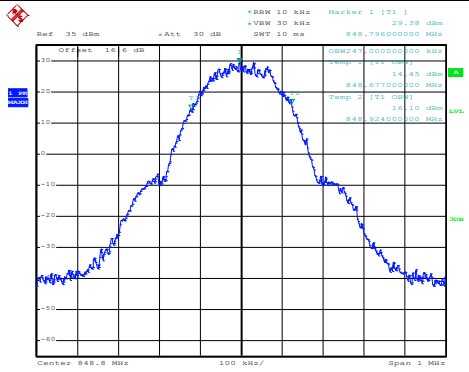
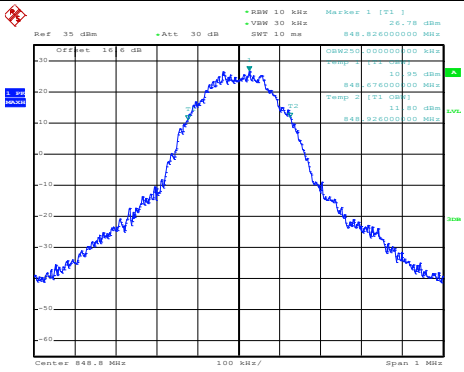
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 29.OCT.2015 09:35:09	Date: 29.OCT.2015 09:45:31
Middle Channel	**Middle Channel**
	
Date: 29.OCT.2015 09:35:42	Date: 29.OCT.2015 09:46:05
Highest Channel	**Highest Channel**
	
Date: 29.OCT.2015 09:36:15	Date: 29.OCT.2015 09:46:36

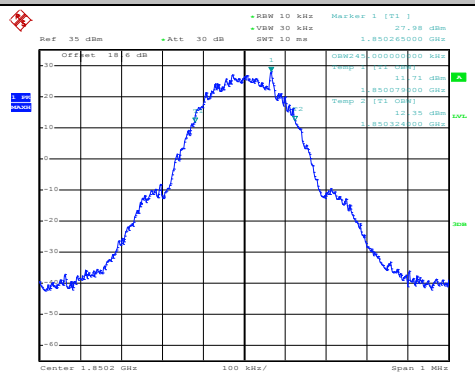
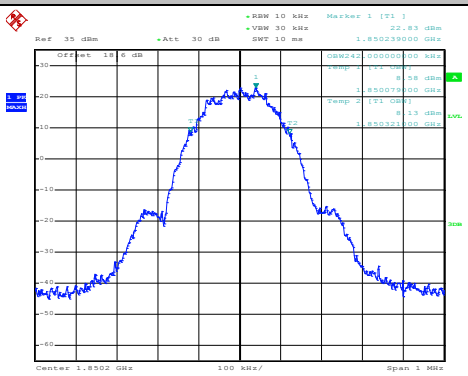
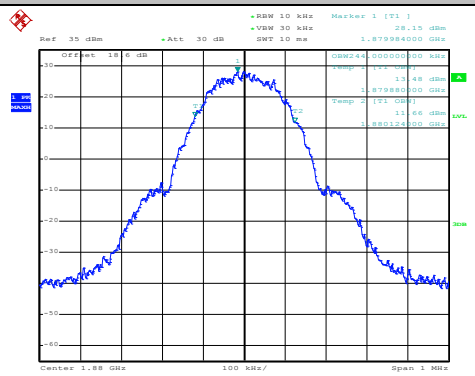
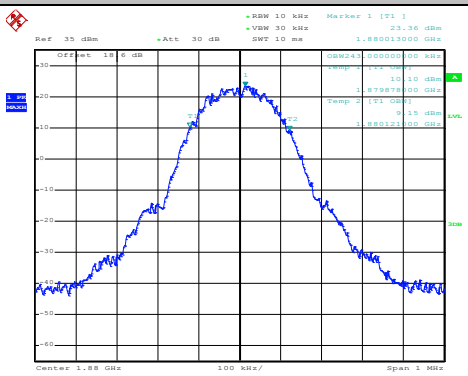
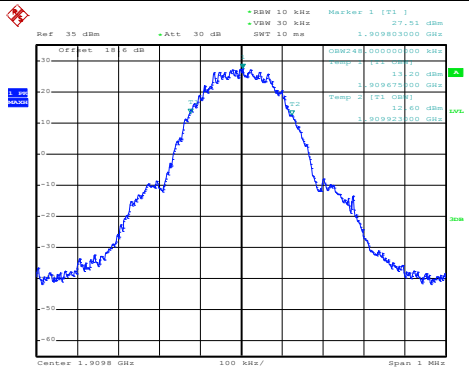
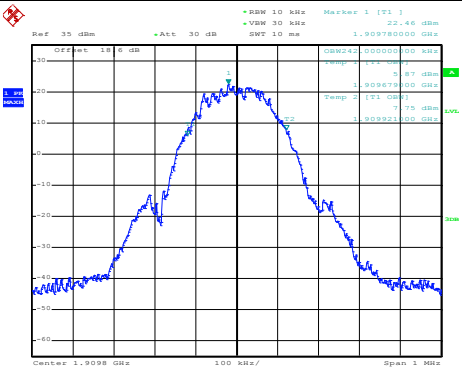
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 29.OCT.2015 09:56:13	Date: 29.OCT.2015 10:12:22
Middle Channel	**Middle Channel**
	
Date: 29.OCT.2015 09:56:41	Date: 29.OCT.2015 10:12:55
Highest Channel	**Highest Channel**
	
Date: 29.OCT.2015 09:57:10	Date: 29.OCT.2015 10:13:43

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.245	0.262
Middle CH	0.248	0.259
Highest CH	0.247	0.250

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.245	0.242
Middle CH	0.244	0.243
Highest CH	0.248	0.242

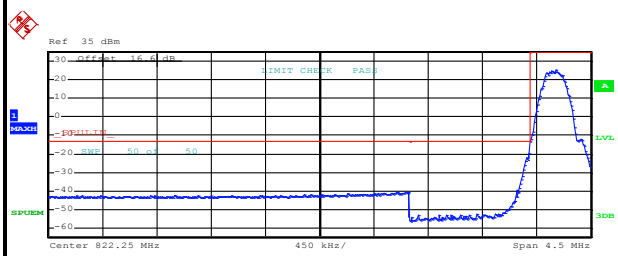
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 29.OCT.2015 09:36:52	Date: 29.OCT.2015 09:47:33
Middle Channel	**Middle Channel**
	
Date: 29.OCT.2015 09:37:25	Date: 29.OCT.2015 09:48:04
Highest Channel	**Highest Channel**
	
Date: 29.OCT.2015 09:37:57	Date: 29.OCT.2015 09:48:33

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 29.OCT.2015 09:57:54	Date: 29.OCT.2015 10:14:27
Middle Channel	**Middle Channel**
	
Date: 29.OCT.2015 09:58:25	Date: 29.OCT.2015 10:15:27
Highest Channel	**Highest Channel**
	
Date: 29.OCT.2015 09:58:57	Date: 29.OCT.2015 10:15:58

Conducted Band Edge

GSM850 (GPRS class 8)

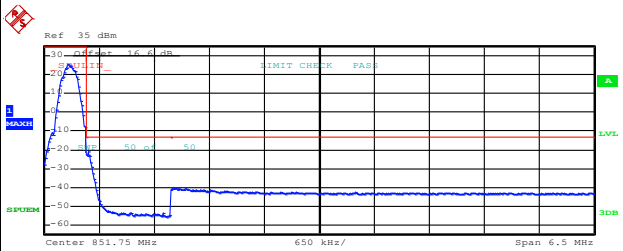
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.895000 M	-40.59	-27.59
823.000 M	824.000 M	3.00 k	823.984000 M	-21.20	-8.20
824.000 M	824.500 M	10.00 k	824.212500 M	25.43	-9.57

Date: 29.OCT.2015 09:39:32

Highest Band Edge

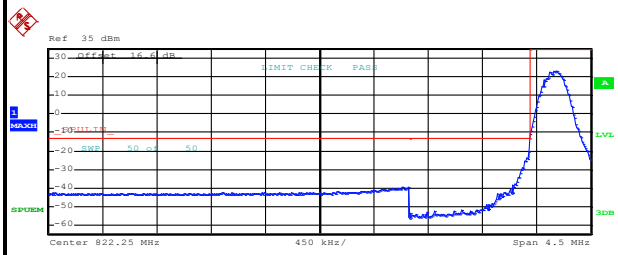


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.780000 M	25.26	-9.74
849.000 M	850.000 M	3.00 k	849.020000 M	-20.84	-7.84
850.000 M	855.000 M	100.00 k	850.045000 M	-40.28	-27.28

Date: 29.OCT.2015 09:41:07

GSM850 (EDGE class 8)

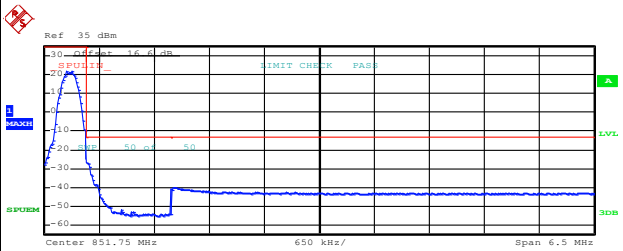
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.991000 M	-39.41	-26.41
823.000 M	824.000 M	3.00 k	823.996000 M	-20.38	-7.38
824.000 M	824.500 M	10.00 k	824.196500 M	23.07	-11.93

Date: 29.OCT.2015 09:50:10

Highest Band Edge

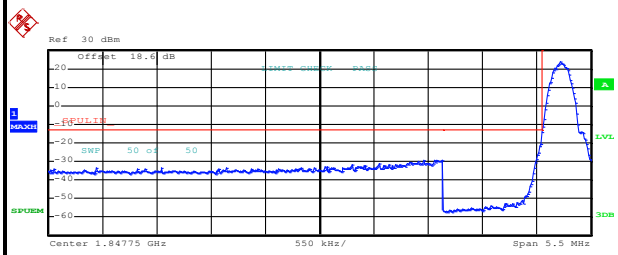


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.764500 M	21.79	-13.21
849.000 M	850.000 M	3.00 k	849.028000 M	-26.63	-13.63
850.000 M	855.000 M	100.00 k	850.010000 M	-39.88	-26.88

Date: 29.OCT.2015 09:51:40

GSM1900 (GPRS class 8)

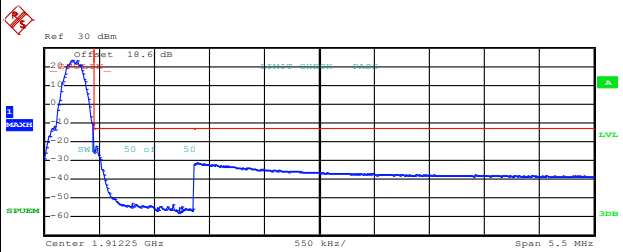
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848908 G	-29.28	-16.28
1.849 G	1.850 G	3.00 k	1.849980 G	-21.98	-8.98
1.850 G	1.851 G	10.00 k	1.850197 G	23.76	-11.24

Date: 29.OCT.2015 10:00:53

Highest Band Edge

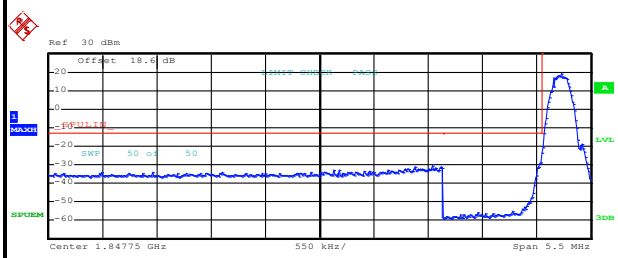


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909770 G	23.46	-11.54
1.910 G	1.911 G	3.00 k	1.910008 G	-22.37	-9.37
1.911 G	1.915 G	1.00 M	1.911024 G	-31.39	-18.39

Date: 29.OCT.2015 10:02:24

GSM1900 (EDGE class 8)

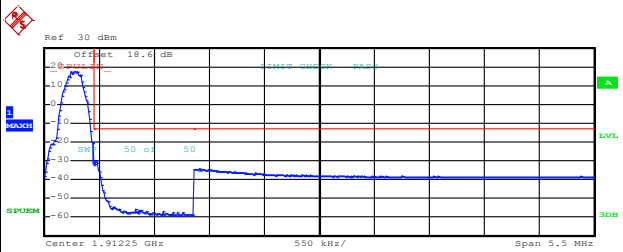
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848892 G	-30.72	-17.72
1.849 G	1.850 G	3.00 k	1.849988 G	-28.81	-15.81
1.850 G	1.851 G	10.00 k	1.850199 G	19.21	-15.79

Date: 29.OCT.2015 10:17:31

Highest Band Edge



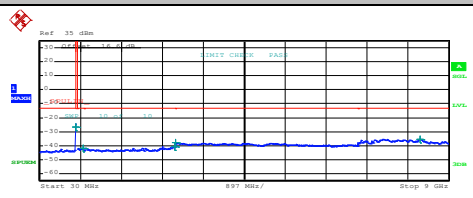
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909830 G	17.70	-17.30
1.910 G	1.911 G	3.00 k	1.910004 G	-29.70	-16.70
1.911 G	1.915 G	1.00 M	1.911044 G	-34.32	-21.32

Date: 29.OCT.2015 10:19:02

Conducted Spurious Emission

GSM850 (GPRS class 8)

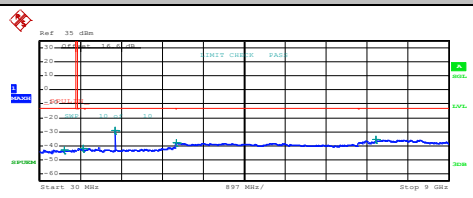
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-26.54	-13.54
855.000 M	1.000 G	1.00 M	989.415009 M	-42.00	-29.00
1.000 G	3.000 G	1.00 M	2.988500 G	-40.75	-27.75
3.000 G	7.000 G	1.00 M	3.006000 G	-37.68	-24.68
7.000 G	9.000 G	1.00 M	8.370000 G	-35.48	-22.48

Date: 29.OCT.2015 09:41:58

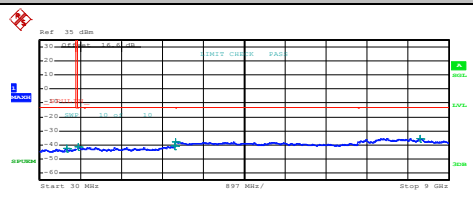
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	565.817500 M	-42.85	-29.85
855.000 M	1.000 G	1.00 M	975.676258 M	-42.12	-29.12
1.000 G	3.000 G	1.00 M	1.673000 G	-29.12	-16.12
3.000 G	7.000 G	1.00 M	3.032000 G	-37.89	-24.89
7.000 G	9.000 G	1.00 M	7.408500 G	-35.44	-22.44

Date: 29.OCT.2015 09:42:34

Highest Channel

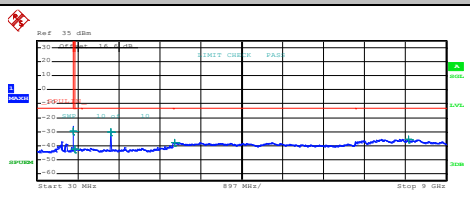


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	626.647500 M	-42.51	-29.51
855.000 M	1.000 G	1.00 M	874.720001 M	-41.47	-28.47
1.000 G	3.000 G	1.00 M	2.992000 G	-40.59	-27.59
3.000 G	7.000 G	1.00 M	3.008000 G	-37.62	-24.62
7.000 G	9.000 G	1.00 M	8.371000 G	-35.46	-22.46

Date: 29.OCT.2015 09:43:06

GSM850 (EDGE class 8)

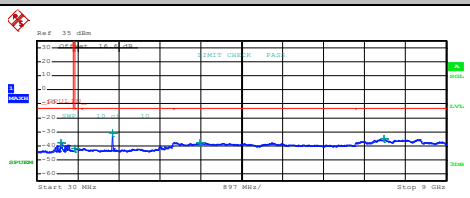
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-29.70	-16.70
855.000 M	1.000 G	1.00 M	861.271250 M	-42.36	-29.36
1.000 G	3.000 G	1.00 M	1.648500 G	-30.33	-17.33
3.000 G	7.000 G	1.00 M	3.038000 G	-37.85	-24.85
7.000 G	9.000 G	1.00 M	8.166500 G	-35.37	-22.37

Date: 29.OCT.2015 09:52:18

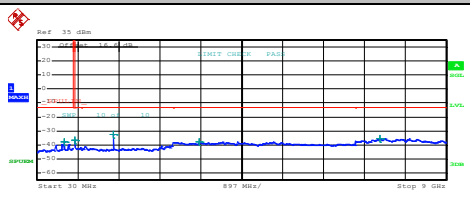
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	548.635000 M	-38.03	-25.03
855.000 M	1.000 G	1.00 M	859.386250 M	-42.05	-29.05
1.000 G	3.000 G	1.00 M	1.673000 G	-30.64	-17.64
3.000 G	7.000 G	1.00 M	3.599000 G	-37.67	-24.67
7.000 G	9.000 G	1.00 M	7.641000 G	-35.08	-22.08

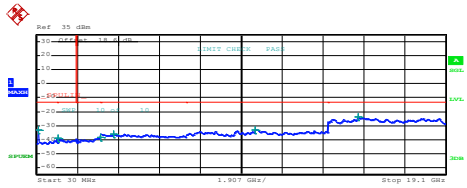
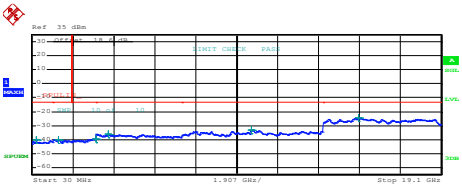
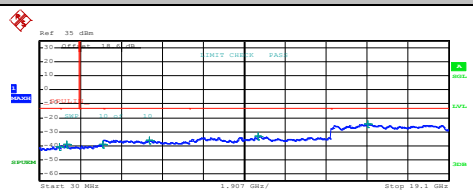
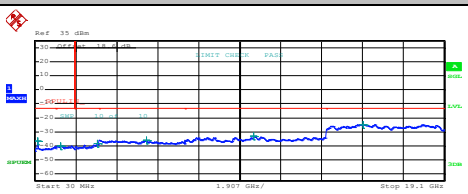
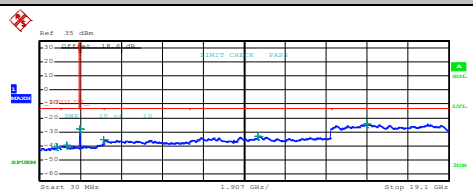
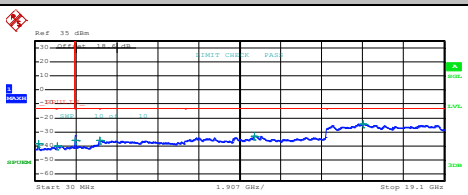
Date: 29.OCT.2015 09:52:51

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	623.685000 M	-37.60	-24.60
855.000 M	1.000 G	1.00 M	855.036250 M	-36.88	-23.88
1.000 G	3.000 G	1.00 M	1.697500 G	-32.60	-19.60
3.000 G	7.000 G	1.00 M	3.577000 G	-37.87	-24.87
7.000 G	9.000 G	1.00 M	7.553500 G	-35.36	-22.36

Date: 29.OCT.2015 09:53:22

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 29.OCT.2015 10:03:05	Date: 29.OCT.2015 10:19:40
Middle Channel	**Middle Channel**
	
Date: 29.OCT.2015 10:03:48	Date: 29.OCT.2015 10:20:11
Highest Channel	**Highest Channel**
	
Date: 29.OCT.2015 10:04:32	Date: 29.OCT.2015 10:20:43

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	0.0072	0.0072	PASS
40	Normal Voltage	0.0048	0.0048	
30	Normal Voltage	0.0060	0.0024	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0060	
0	Normal Voltage	0.0036	0.0012	
-10	Normal Voltage	0.0036	0.0096	
-20	Normal Voltage	0.0012	0.0012	
-30	Normal Voltage	0.0084	0.0036	
20	Maximum Voltage	0.0012	0.0084	
20	Normal Voltage	0.0048	0.0012	
20	Battery End Point	0.0024	0.0108	

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	0.0027	0.0027	PASS
40	Normal Voltage	0.0011	0.0005	
30	Normal Voltage	0.0021	0.0191	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0005	0.0218	
0	Normal Voltage	0.0005	0.0197	
-10	Normal Voltage	0.0032	0.0021	
-20	Normal Voltage	0.0016	0.0239	
-30	Normal Voltage	0.0021	0.0011	
20	Maximum Voltage	0.0255	0.0202	
20	Normal Voltage	0.0011	0.0186	
20	Battery End Point	0.0000	0.0016	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.3 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.