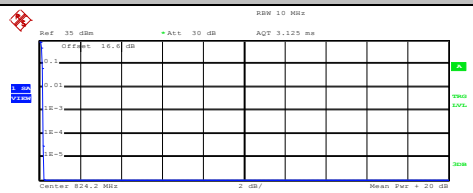
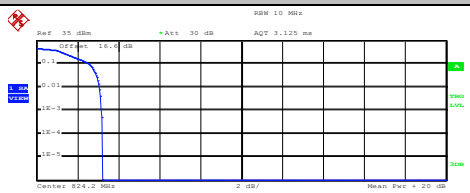
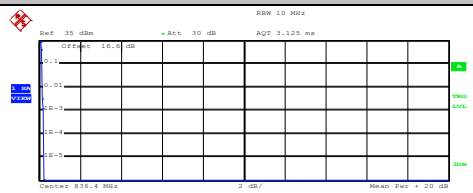
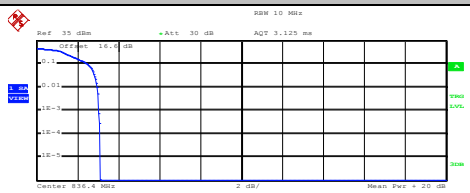
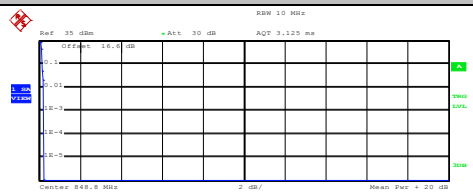
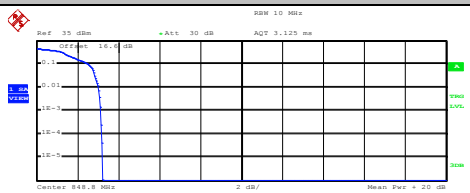
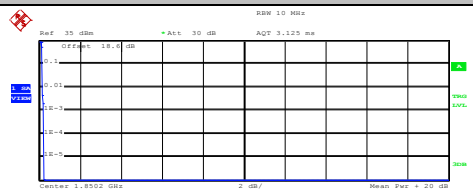
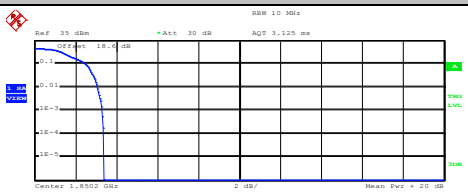
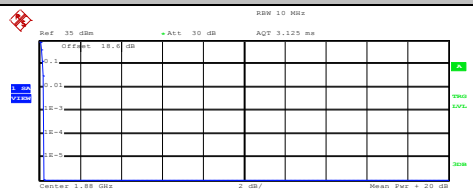
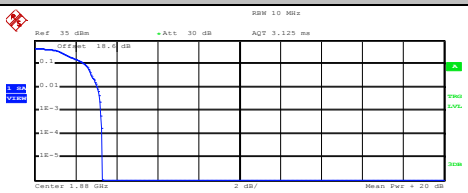
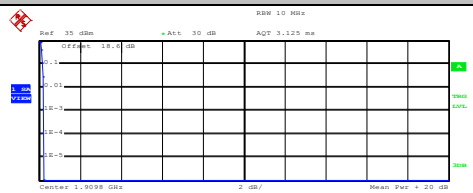
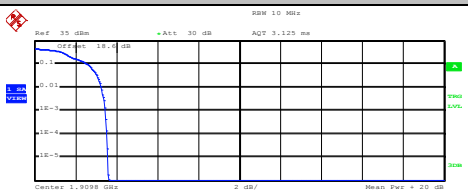
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	3.16	PASS
Middle CH	0.20	3.04	
Highest CH	0.24	3.12	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.32	PASS
Middle CH	0.24	3.24	
Highest CH	0.24	3.44	

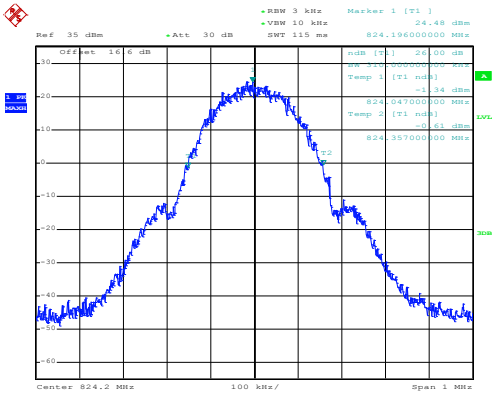
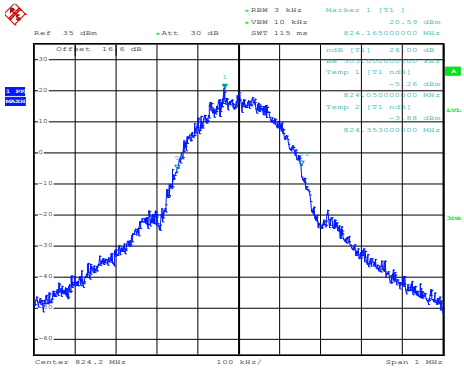
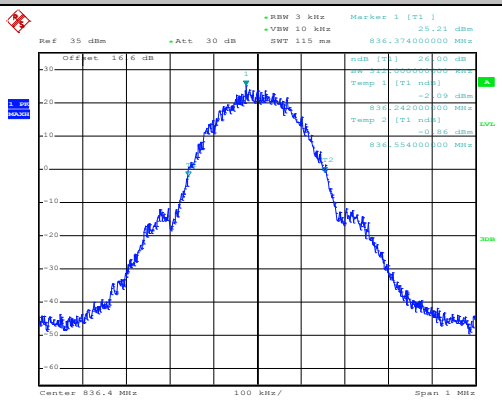
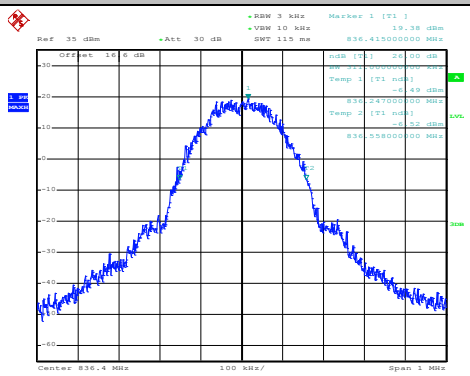
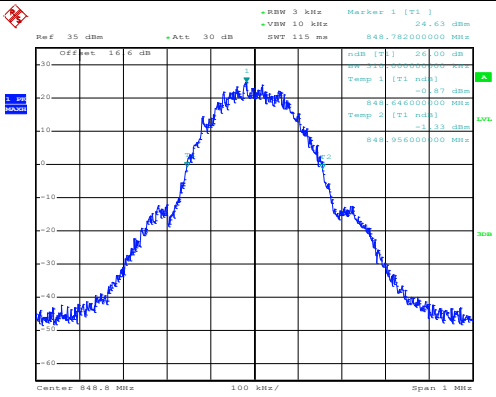
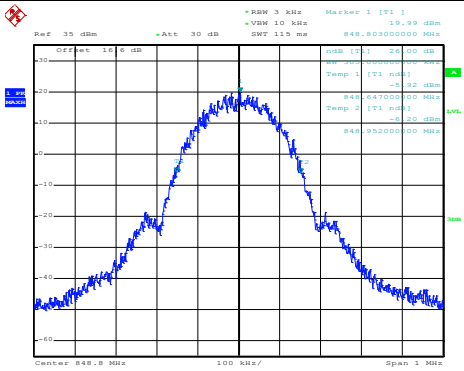
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.33 dBm Peak 32.57 dBm Crest 0.24 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.88 dBm Peak 30.10 dBm Crest 3.22 dB 10 % 2.56 dB 1 % 3.08 dB .1 % 3.16 dB .01 % 3.24 dB
Date: 23.OCT.2015 16:18:26	Date: 24.OCT.2015 14:08:39
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.21 dBm Peak 32.43 dBm Crest 0.22 dB 10 % 0.16 dB 1 % 0.16 dB .1 % 0.20 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 27.49 dBm Peak 30.60 dBm Crest 3.11 dB 10 % 2.48 dB 1 % 2.96 dB .1 % 3.04 dB .01 % 3.12 dB
Date: 23.OCT.2015 16:18:49	Date: 24.OCT.2015 14:08:54
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.99 dBm Peak 32.22 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 27.32 dBm Peak 30.53 dBm Crest 3.20 dB 10 % 2.52 dB 1 % 3.00 dB .1 % 3.12 dB .01 % 3.20 dB
Date: 23.OCT.2015 16:19:02	Date: 24.OCT.2015 14:09:07

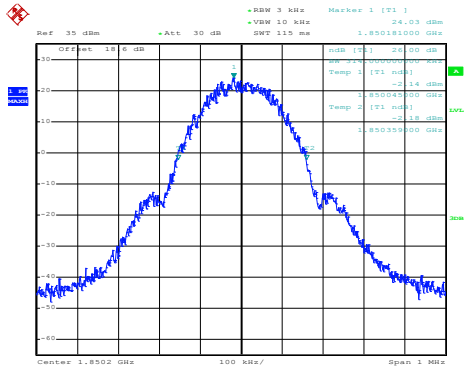
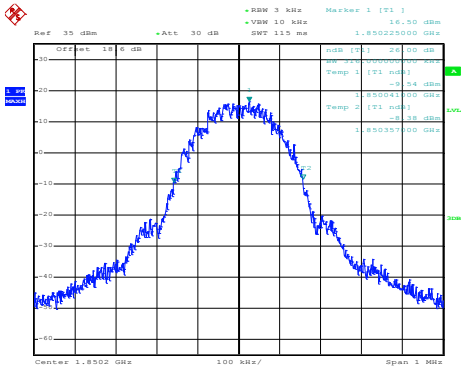
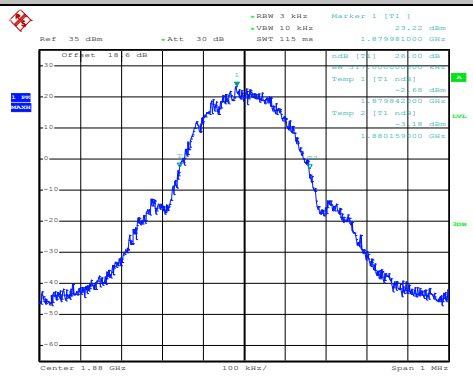
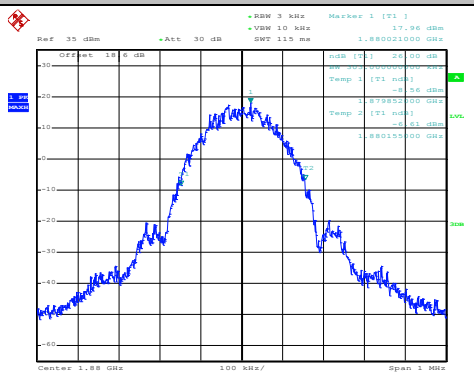
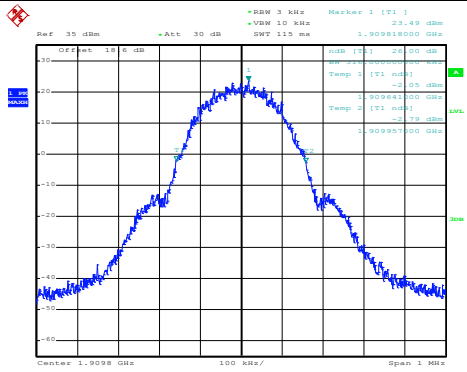
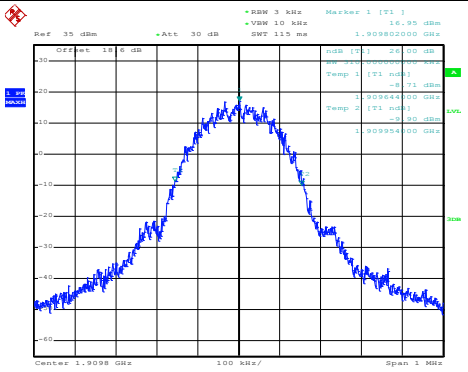
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.21 dBm Peak 31.44 dBm Crest 0.23 dB 10 % 0.16 dB 1 % 0.16 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.89 dBm Peak 28.27 dBm Crest 3.37 dB 10 % 2.48 dB 1 % 3.08 dB .1 % 3.32 dB .01 % 3.36 dB
Date: 23.OCT.2015 17:24:47	Date: 24.OCT.2015 14:25:05
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.67 dBm Peak 30.88 dBm Crest 0.21 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 25.24 dBm Peak 28.55 dBm Crest 3.31 dB 10 % 2.44 dB 1 % 3.08 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 23.OCT.2015 17:25:01	Date: 24.OCT.2015 14:25:25
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.66 dBm Peak 30.88 dBm Crest 0.21 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 24.18 dBm Peak 27.77 dBm Crest 3.60 dB 10 % 2.60 dB 1 % 3.24 dB .1 % 3.44 dB .01 % 3.52 dB
Date: 23.OCT.2015 17:25:14	Date: 24.OCT.2015 14:25:38

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.310	0.303
Middle CH	0.312	0.311
Highest CH	0.310	0.305

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.314	0.316
Middle CH	0.317	0.303
Highest CH	0.316	0.310

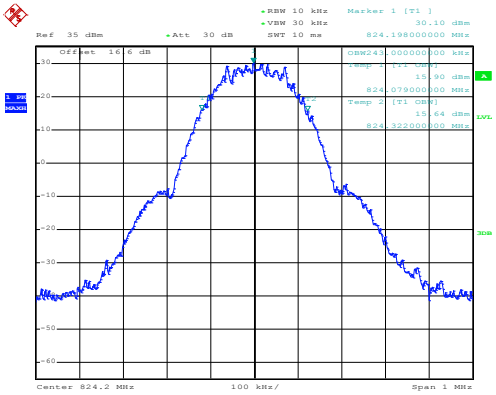
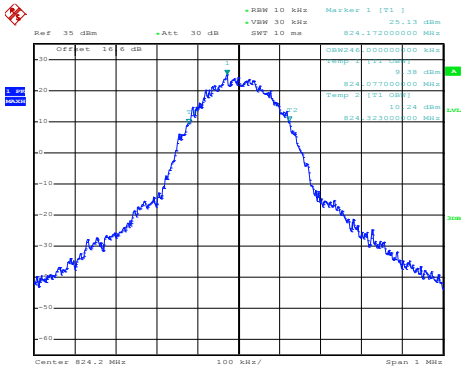
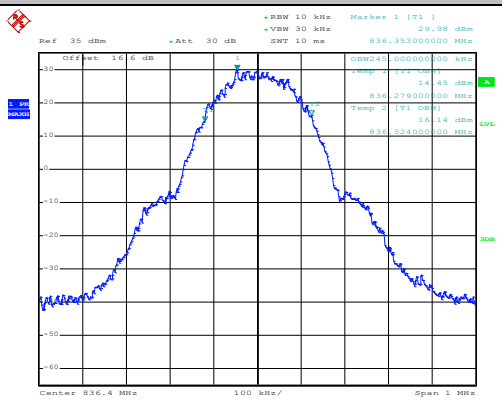
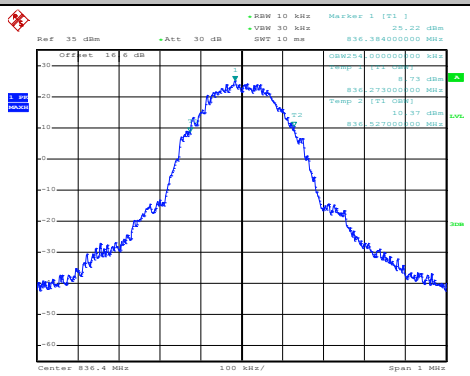
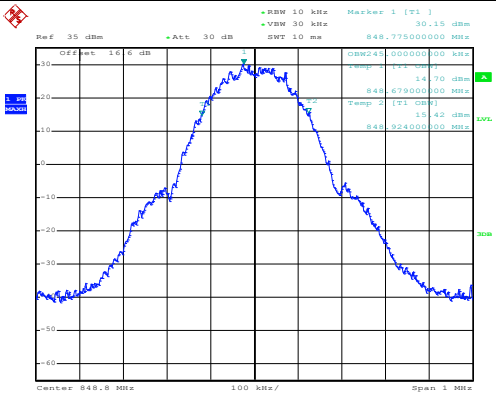
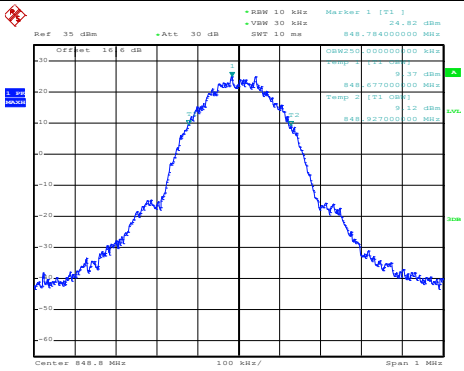
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 23.OCT.2015 16:09:07	Date: 24.OCT.2015 14:00:15
Middle Channel	**Middle Channel**
	
Date: 23.OCT.2015 16:09:35	Date: 24.OCT.2015 14:00:50
Highest Channel	**Highest Channel**
	
Date: 23.OCT.2015 16:10:04	Date: 24.OCT.2015 14:01:20

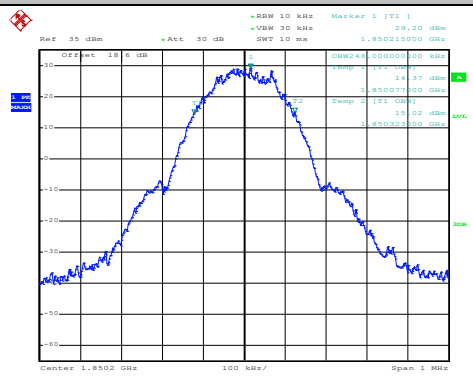
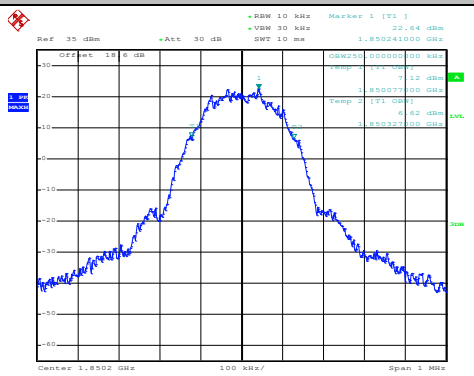
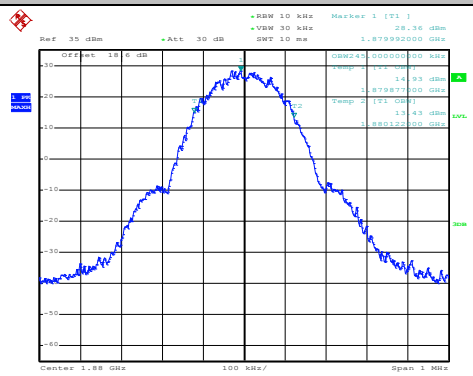
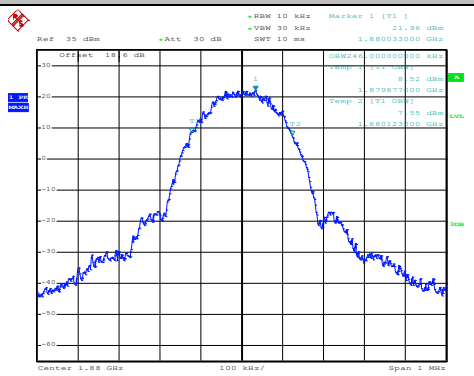
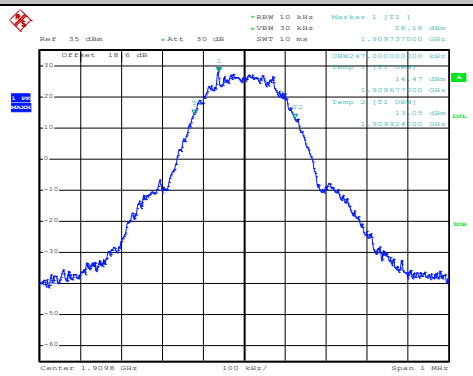
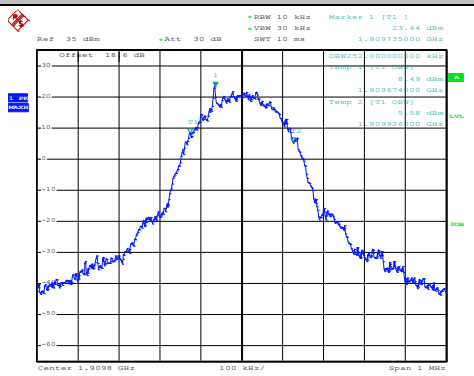
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 23.OCT.2015 17:14:54	Date: 24.OCT.2015 14:13:40
Middle Channel	**Middle Channel**
	
Date: 23.OCT.2015 17:15:23	Date: 24.OCT.2015 14:14:14
Highest Channel	**Highest Channel**
	
Date: 23.OCT.2015 17:15:52	Date: 24.OCT.2015 14:14:48

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.243	0.246
Middle CH	0.245	0.254
Highest CH	0.245	0.250

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.246	0.250
Middle CH	0.245	0.246
Highest CH	0.247	0.252

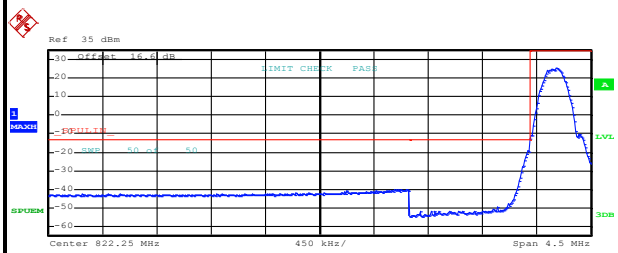
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 23.OCT.2015 16:10:48	Date: 24.OCT.2015 14:01:58
Middle Channel	**Middle Channel**
	
Date: 23.OCT.2015 16:11:16	Date: 24.OCT.2015 14:02:28
Highest Channel	**Highest Channel**
	
Date: 23.OCT.2015 16:11:44	Date: 24.OCT.2015 14:02:59

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 23.OCT.2015 17:16:26	Date: 24.OCT.2015 14:15:30
Middle Channel	**Middle Channel**
	
Date: 23.OCT.2015 17:16:54	Date: 24.OCT.2015 14:16:03
Highest Channel	**Highest Channel**
	
Date: 23.OCT.2015 17:17:22	Date: 24.OCT.2015 14:16:38

Conducted Band Edge

GSM850 (GPRS class 8)

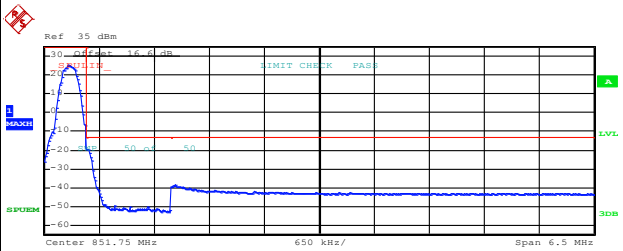
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.919000 M	-39.95	-26.95
823.000 M	824.000 M	3.00 k	823.976000 M	-19.13	-6.13
824.000 M	824.500 M	10.00 k	824.214000 M	25.14	-9.86

Date: 23.OCT.2015 16:14:11

Highest Band Edge

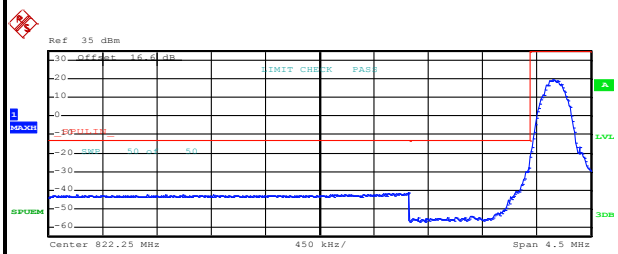


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.784500 M	25.10	-9.90
849.000 M	850.000 M	3.00 k	849.020000 M	-18.42	-5.42
850.000 M	855.000 M	100.00 k	850.040000 M	-38.55	-25.55

Date: 23.OCT.2015 16:15:39

GSM850 (EDGE class 8)

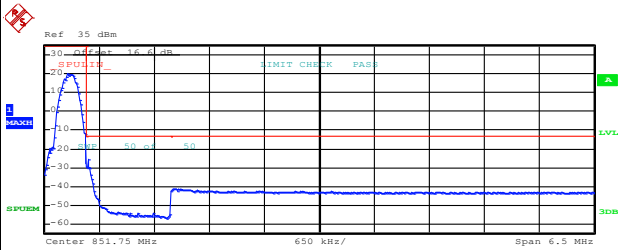
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.997000 M	-41.37	-28.37
823.000 M	824.000 M	3.00 k	823.992000 M	-27.75	-14.75
824.000 M	824.500 M	10.00 k	824.188500 M	19.56	-15.44

Date: 24.OCT.2015 14:04:32

Highest Band Edge

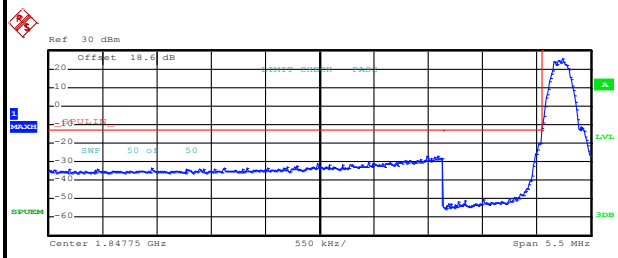


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.773500 M	19.81	-15.19
849.000 M	850.000 M	3.00 k	849.012000 M	-25.52	-12.52
850.000 M	855.000 M	100.00 k	850.035000 M	-41.27	-28.27

Date: 24.OCT.2015 14:06:04

GSM1900 (GPRS class 8)

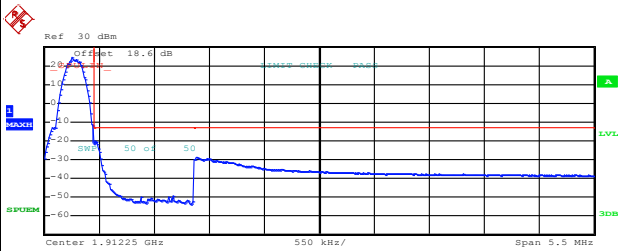
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848832 G	-27.19	-14.19
1.849 G	1.850 G	3.00 k	1.849984 G	-20.03	-7.03
1.850 G	1.851 G	10.00 k	1.850218 G	25.45	-9.55

Date: 23.OCT.2015 17:20:34

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909779 G	24.16	-10.84
1.910 G	1.911 G	3.00 k	1.910004 G	-20.12	-7.12
1.911 G	1.915 G	1.00 M	1.911016 G	-28.63	-15.63

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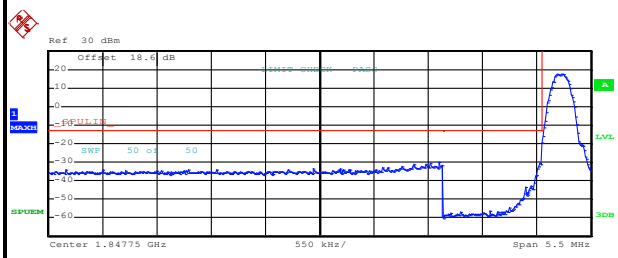
GSM1900 (EDGE class 8)

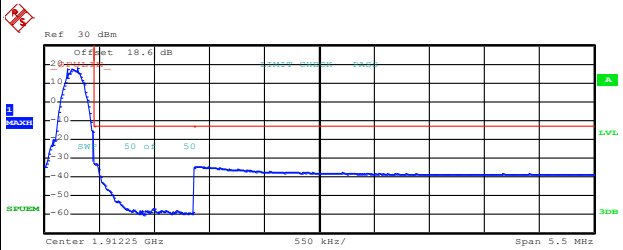
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848952 G	-29.77	-16.77
1.849 G	1.850 G	3.00 k	1.849976 G	-30.37	-17.37
1.850 G	1.851 G	10.00 k	1.850166 G	17.64	-17.36

Date: 24.OCT.2015 14:18:27

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909828 G	17.82	-17.18
1.910 G	1.911 G	3.00 k	1.910008 G	-32.44	-19.44
1.911 G	1.915 G	1.00 M	1.911004 G	-34.54	-21.54

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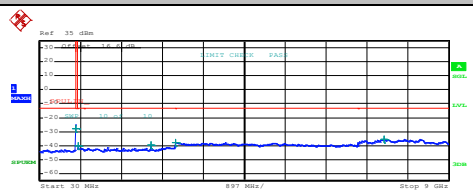
Conducted Spurious Emission

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	-29.70	-14.70
855.000 M	1.000 G	1.00 M	875.372501 M	-40.26	-27.26
1.000 G	3.000 G	1.00 M	2.473000 G	-39.41	-26.41
3.000 G	7.000 G	1.00 M	3.000000 G	-37.56	-24.56
7.000 G	9.000 G	1.00 M	7.577500 G	-35.42	-22.42

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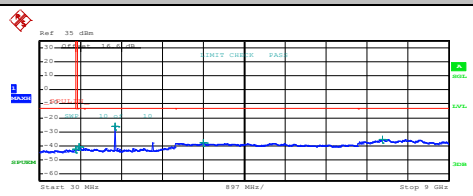
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	818.617500 M	-42.70	-29.70
855.000 M	1.000 G	1.00 M	895.418753 M	-40.74	-27.74
1.000 G	3.000 G	1.00 M	1.673000 G	-26.09	-13.09
3.000 G	7.000 G	1.00 M	3.617000 G	-38.03	-25.03
7.000 G	9.000 G	1.00 M	7.552500 G	-35.24	-22.24

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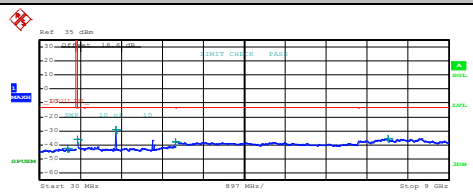
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	646.200000 M	-42.35	-29.35
855.000 M	1.000 G	1.00 M	855.036250 M	-36.32	-23.32
1.000 G	3.000 G	1.00 M	1.697500 G	-28.81	-15.81
3.000 G	7.000 G	1.00 M	3.003000 G	-37.81	-24.81
7.000 G	9.000 G	1.00 M	7.671500 G	-35.34	-22.34

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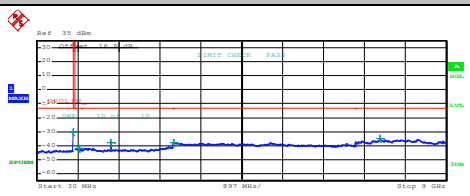
GSM850 (EDGE class 8)

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	-29.97	-16.97
855.000 M	1.000 G	1.00 M	942.761256 M	-42.19	-29.19
1.000 G	3.000 G	1.00 M	1.648000 G	-37.72	-24.72
3.000 G	7.000 G	1.00 M	3.026000 G	-37.74	-24.74
7.000 G	9.000 G	1.00 M	7.548000 G	-35.01	-22.01

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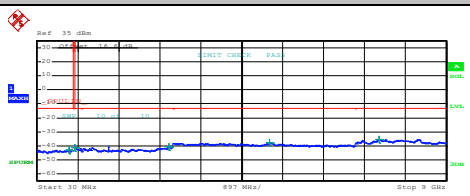
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	730.137500 M	-42.93	-29.93
855.000 M	1.000 G	1.00 M	857.501250 M	-41.43	-28.43
1.000 G	3.000 G	1.00 M	2.921500 G	-40.50	-27.50
3.000 G	7.000 G	1.00 M	5.133000 G	-37.75	-24.75
7.000 G	9.000 G	1.00 M	7.531500 G	-35.37	-22.37

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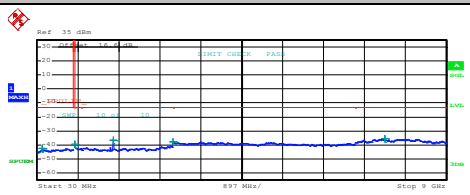
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	134.675000 M	-42.75	-29.75
855.000 M	1.000 G	1.00 M	855.072500 M	-39.65	-26.65
1.000 G	3.000 G	1.00 M	1.697500 G	-36.49	-23.49
3.000 G	7.000 G	1.00 M	3.017000 G	-38.01	-25.01
7.000 G	9.000 G	1.00 M	7.661500 G	-35.69	-22.69

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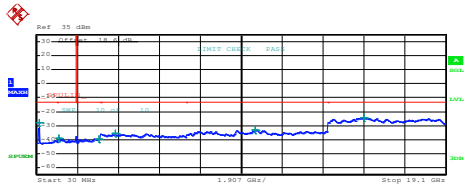
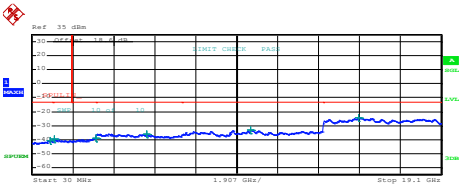
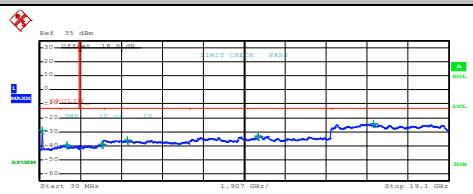
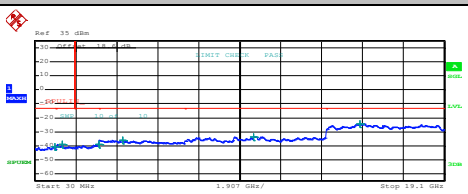
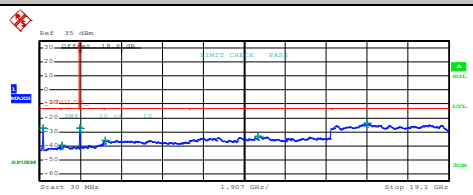
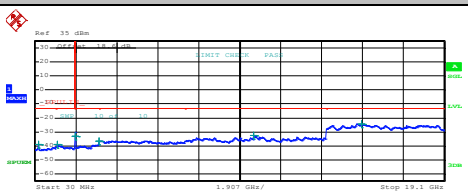
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Start [Hz] 30.000 M / 1.000 G / 1.915 G / 3.000 G / 7.000 G / 13.600 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 141.792500 M / 1.059361 G / 2.920795 G / 3.700000 G / 10.220800 G / 15.300875 G; PwrAbs [dBm] -27.72 / -39.20 / -39.34 / -35.59 / -33.02 / -24.12; ΔLimit [dB] -14.72 / -26.20 / -26.34 / -22.59 / -20.02 / -11.12	Start [Hz] 30.000 M / 1.000 G / 1.915 G / 3.000 G / 7.000 G / 13.600 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 866.625000 M / 1.065899 G / 2.998644 G / 5.376000 G / 10.231525 G / 15.250000 G; PwrAbs [dBm] -40.78 / -39.46 / -38.82 / -36.00 / -33.19 / -24.14; ΔLimit [dB] -27.78 / -26.46 / -25.82 / -23.00 / -20.19 / -11.14
Date: 23.OCT.2015 17:23:04	Date: 24.OCT.2015 14:21:41
Middle Channel	**Middle Channel**
	
Start [Hz] 30.000 M / 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 141.792500 M / 1.290891 G / 2.926763 G / 4.110000 G / 10.232350 G / 15.586875 G; PwrAbs [dBm] -29.10 / -39.81 / -39.74 / -36.13 / -32.86 / -24.48; ΔLimit [dB] -16.10 / -26.81 / -25.74 / -23.13 / -19.86 / -11.48	Start [Hz] 30.000 M / 1.000 G / 1.915 G / 3.000 G / 7.000 G / 13.600 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 960.715000 M / 1.282441 G / 2.993219 G / 4.104000 G / 10.224100 G / 15.168188 G; PwrAbs [dBm] -40.90 / -38.95 / -39.03 / -36.14 / -33.54 / -24.46; ΔLimit [dB] -27.90 / -25.95 / -26.03 / -23.14 / -20.54 / -11.46
Date: 23.OCT.2015 17:23:34	Date: 24.OCT.2015 14:23:31
Highest Channel	**Highest Channel**
	
Start [Hz] 30.000 M / 1.000 G / 1.845 G / 1.915 G / 3.000 G / 7.000 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 171.620000 M / 1.064854 G / 1.915271 G / 3.077000 G / 10.215025 G / 15.278875 G; PwrAbs [dBm] -27.37 / -39.30 / -27.34 / -36.10 / -32.86 / -23.95; ΔLimit [dB] -14.37 / -26.30 / -14.34 / -23.10 / -19.86 / -10.95	Start [Hz] 30.000 M / 1.000 G / 1.915 G / 3.000 G / 7.000 G / 13.600 G; Stop [Hz] 1.000 G / 1.845 G / 3.000 G / 7.000 G / 13.600 G / 19.100 G; RBW [Hz] 1.00 M; Freq [Hz] 171.862500 M / 1.072459 G / 1.915271 G / 3.014000 G / 10.224925 G / 15.230063 G; PwrAbs [dBm] -38.99 / -39.17 / -32.93 / -36.40 / -32.49 / -24.63; ΔLimit [dB] -25.99 / -26.17 / -19.93 / -23.40 / -19.49 / -11.63
Date: 23.OCT.2015 17:24:04	Date: 24.OCT.2015 14:24:44

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	0.0024	0.0036	PASS
40	Normal Voltage	0.0108	0.0012	
30	Normal Voltage	0.0012	0.0251	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0048	0.0239	
0	Normal Voltage	0.0132	0.0275	
-10	Normal Voltage	0.0096	0.0203	
-20	Normal Voltage	0.0167	0.0227	
-30	Normal Voltage	0.0072	0.0263	
20	Maximum Voltage	0.0060	0.0191	
20	Normal Voltage	0.0084	0.0012	
20	Battery End Point	0.0036	0.0227	

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	0.0037	0.0027	PASS
40	Normal Voltage	0.0027	0.0154	
30	Normal Voltage	0.0032	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0059	0.0197	
0	Normal Voltage	0.0016	0.0149	
-10	Normal Voltage	0.0043	0.0176	
-20	Normal Voltage	0.0186	0.0160	
-30	Normal Voltage	0.0021	0.0186	
20	Maximum Voltage	0.0005	0.0011	
20	Normal Voltage	0.0016	0.0133	
20	Battery End Point	0.0021	0.0144	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35 V

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