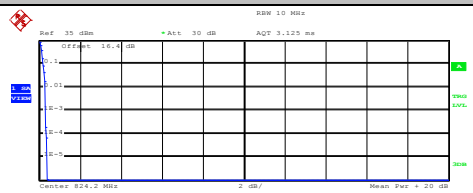
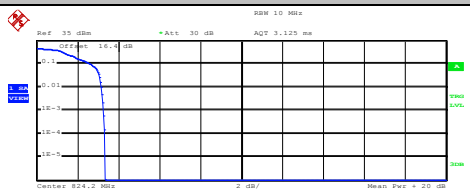
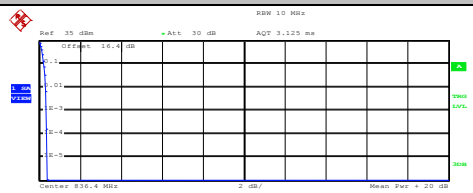
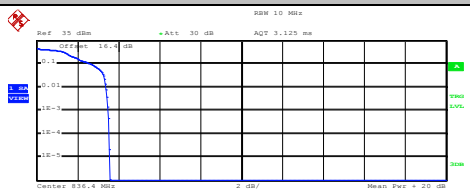
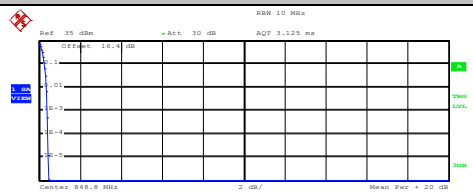
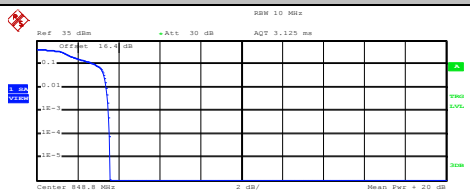
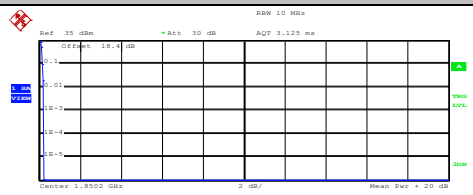
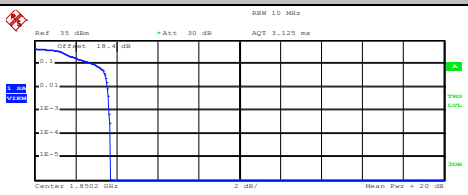
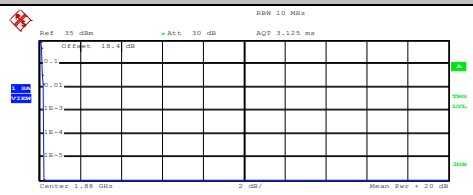
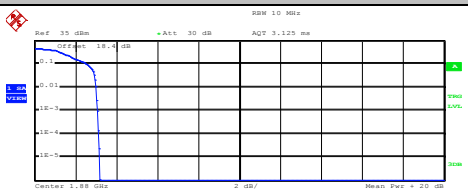
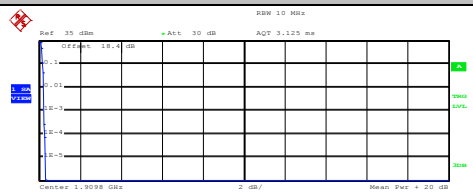
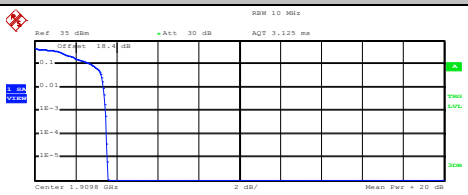
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.32	3.28	PASS
Middle CH	0.36	3.52	
Highest CH	0.40	3.52	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.64	PASS
Middle CH	0.24	3.08	
Highest CH	0.24	3.48	

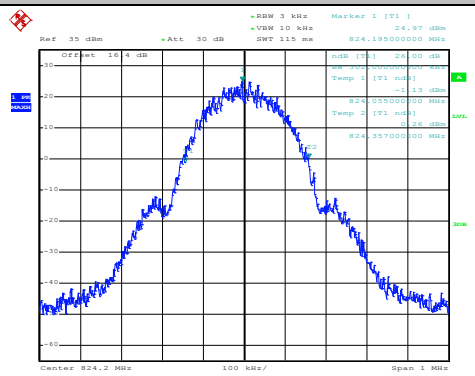
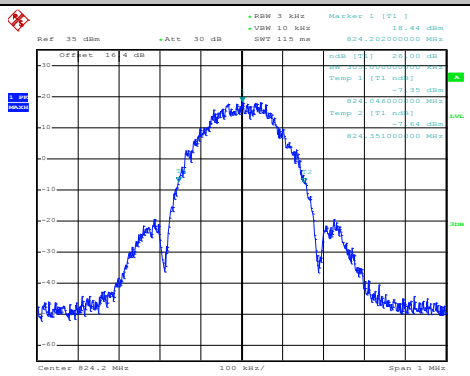
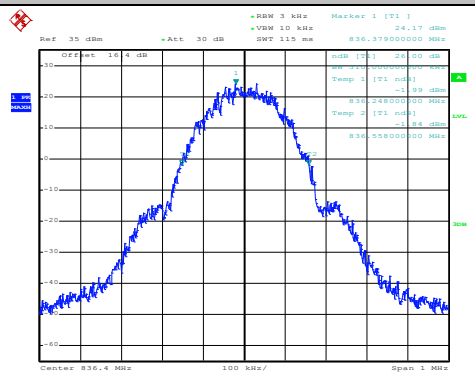
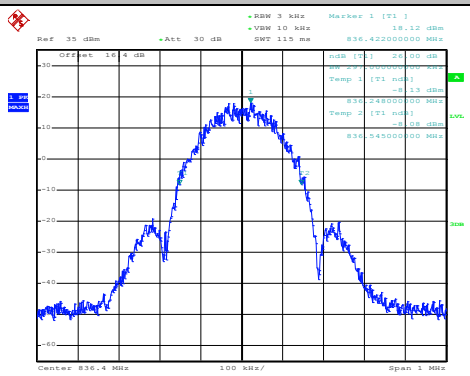
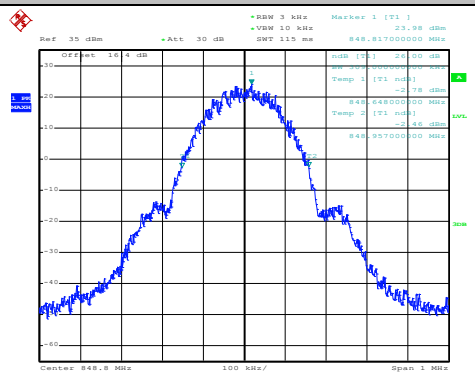
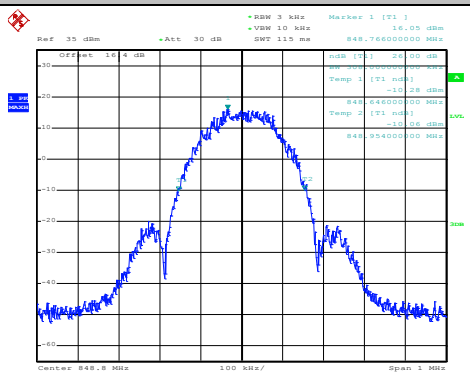
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.33 dBm Peak 32.71 dBm Crest 0.38 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.36 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.64 dBm Peak 29.96 dBm Crest 3.33 dB 10 % 2.64 dB 1 % 3.16 dB .1 % 3.28 dB .01 % 3.32 dB
Date: 17.AUG.2015 10:11:52	Date: 17.AUG.2015 10:22:38
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.75 dBm Peak 32.15 dBm Crest 0.40 dB 10 % 0.24 dB 1 % 0.32 dB .1 % 0.36 dB .01 % 0.36 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.49 dBm Peak 29.04 dBm Crest 3.55 dB 10 % 2.68 dB 1 % 3.40 dB .1 % 3.52 dB .01 % 3.56 dB
Date: 17.AUG.2015 10:12:15	Date: 17.AUG.2015 10:22:57
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.14 dBm Peak 31.58 dBm Crest 0.44 dB 10 % 0.24 dB 1 % 0.36 dB .1 % 0.40 dB .01 % 0.44 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.89 dBm Peak 28.48 dBm Crest 3.59 dB 10 % 2.84 dB 1 % 3.40 dB .1 % 3.52 dB .01 % 3.56 dB
Date: 17.AUG.2015 10:12:30	Date: 17.AUG.2015 10:23:10

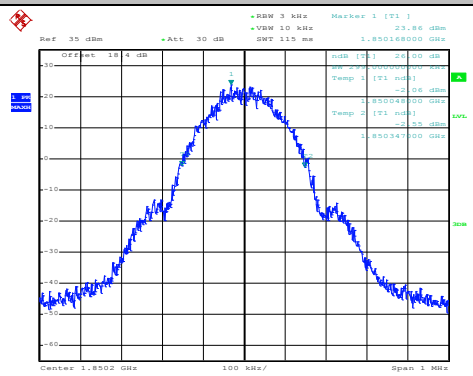
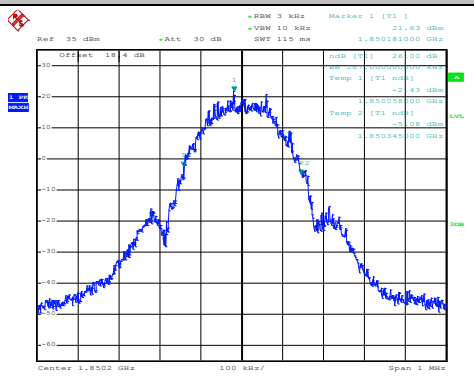
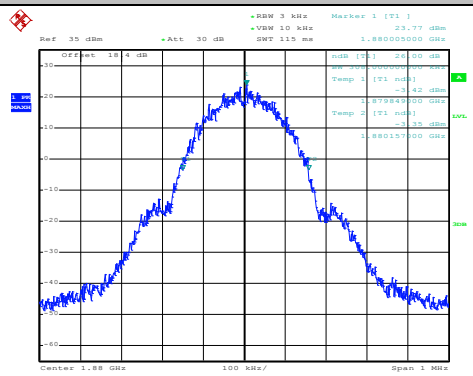
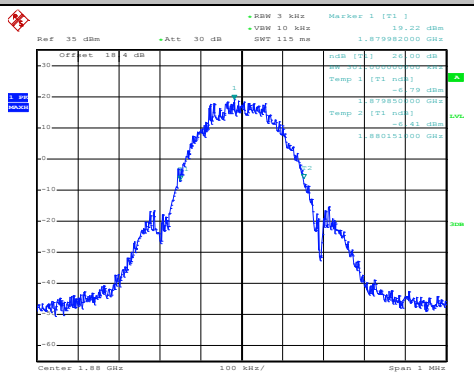
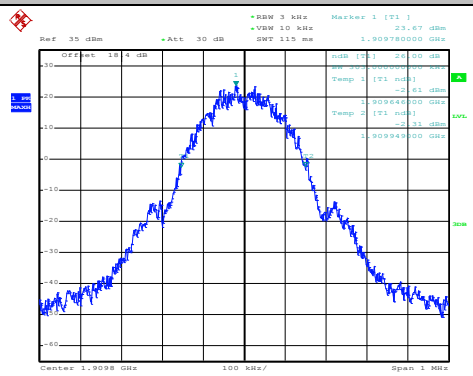
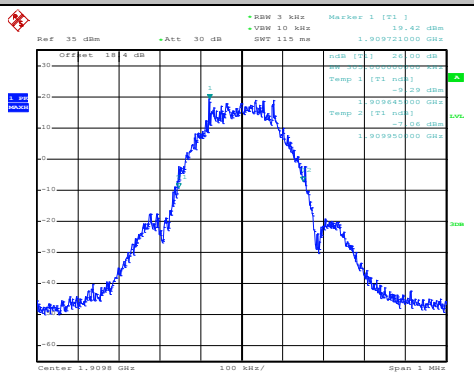
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.71 dBm Peak 30.95 dBm Crest 0.24 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.98 dBm Peak 29.68 dBm Crest 3.70 dB 10 % 2.88 dB 1 % 3.56 dB .1 % 3.64 dB .01 % 3.72 dB
Date: 17.AUG.2015 10:37:52	Date: 17.AUG.2015 12:44:46
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.16 dBm Peak 30.39 dBm Crest 0.23 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 26.24 dBm Peak 29.40 dBm Crest 3.16 dB 10 % 2.56 dB 1 % 3.00 dB .1 % 3.08 dB .01 % 3.12 dB
Date: 17.AUG.2015 10:38:10	Date: 17.AUG.2015 12:44:58
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 30.37 dBm Peak 30.67 dBm Crest 0.29 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.24 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.69 dBm Peak 29.26 dBm Crest 3.56 dB 10 % 2.76 dB 1 % 3.36 dB .1 % 3.48 dB .01 % 3.52 dB
Date: 17.AUG.2015 10:38:24	Date: 17.AUG.2015 12:45:09

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.302	0.305
Middle CH	0.310	0.297
Highest CH	0.309	0.308

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.299	0.287
Middle CH	0.308	0.301
Highest CH	0.303	0.305

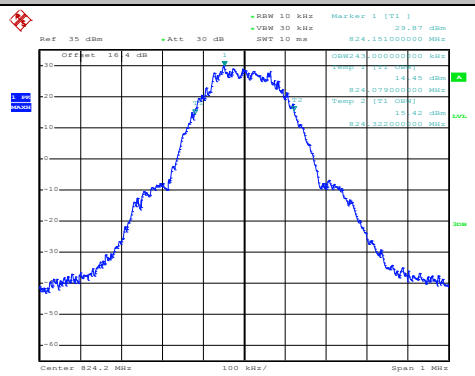
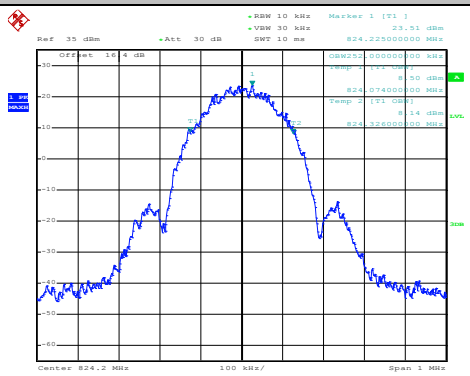
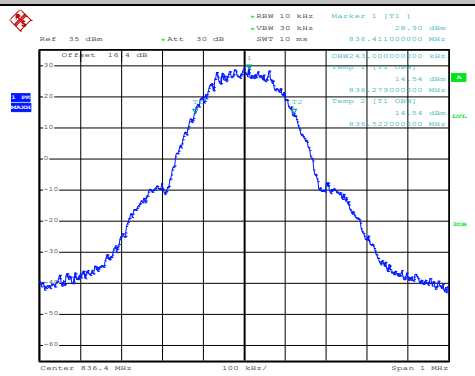
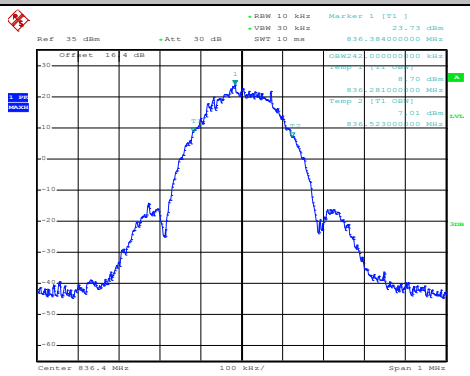
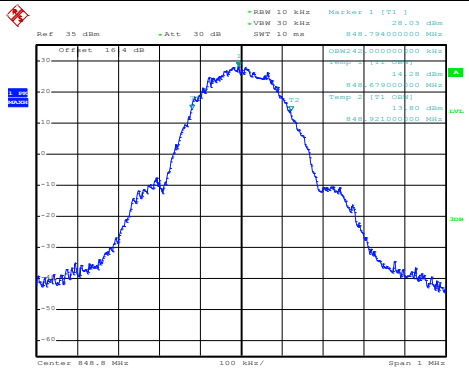
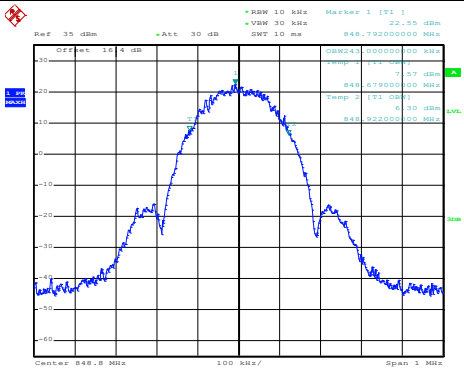
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 17.AUG.2015 10:03:26	Date: 17.AUG.2015 10:13:53
Middle Channel	**Middle Channel**
	
Date: 17.AUG.2015 10:03:54	Date: 17.AUG.2015 10:14:28
Highest Channel	**Highest Channel**
	
Date: 17.AUG.2015 10:04:23	Date: 17.AUG.2015 10:14:59

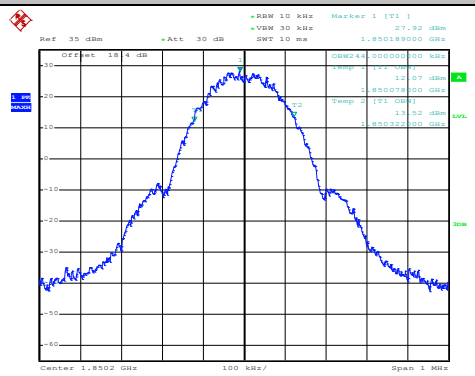
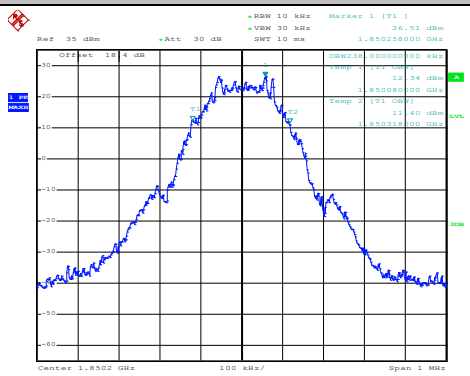
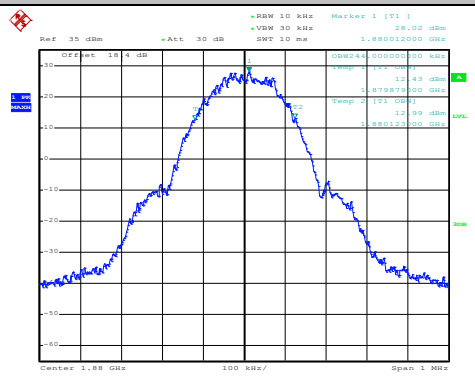
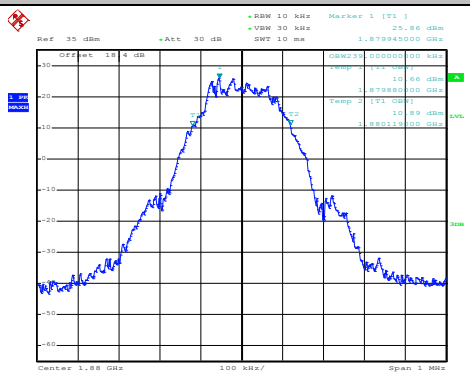
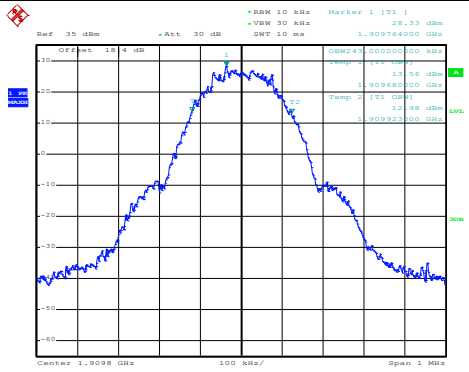
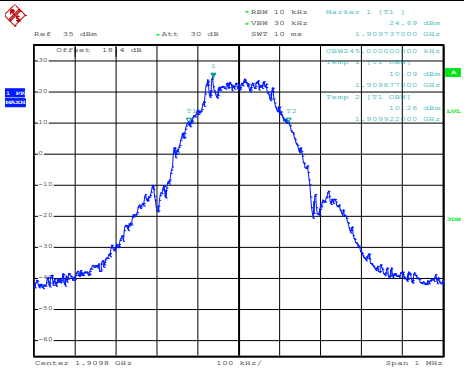
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 17.AUG.2015 10:29:28	Date: 17.AUG.2015 11:58:36
Middle Channel	**Middle Channel**
	
Date: 17.AUG.2015 10:29:59	Date: 17.AUG.2015 11:59:05
Highest Channel	**Highest Channel**
	
Date: 17.AUG.2015 10:30:33	Date: 17.AUG.2015 11:59:33

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.243	0.252
Middle CH	0.243	0.242
Highest CH	0.242	0.243

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.244	0.238
Middle CH	0.244	0.239
Highest CH	0.243	0.245

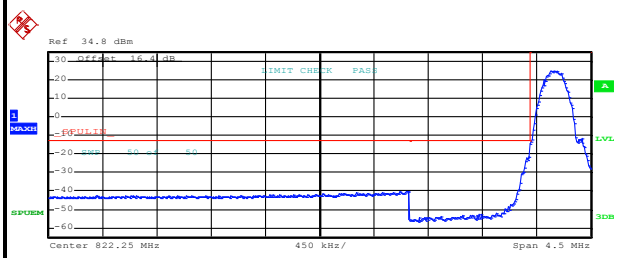
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 17.AUG.2015 10:05:20	Date: 17.AUG.2015 10:15:41
Middle Channel	**Middle Channel**
	
Date: 17.AUG.2015 10:05:54	Date: 17.AUG.2015 10:16:10
Highest Channel	**Highest Channel**
	
Date: 17.AUG.2015 10:06:26	Date: 17.AUG.2015 10:16:38

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 17.AUG.2015 10:31:14	Date: 17.AUG.2015 12:38:19
Middle Channel	**Middle Channel**
	
Date: 17.AUG.2015 10:31:45	Date: 17.AUG.2015 12:38:47
Highest Channel	**Highest Channel**
	
Date: 17.AUG.2015 10:32:15	Date: 17.AUG.2015 12:39:15

Conducted Band Edge

GSM850 (GPRS class 8)

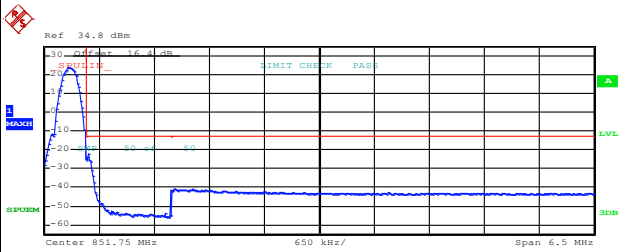
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.967000 M	-40.11	-27.11
823.000 M	824.000 M	3.00 k	823.988000 M	-21.44	-8.44
824.000 M	824.500 M	10.00 k	824.194500 M	24.82	-10.18

Date: 17.AUG.2015 10:08:11

Highest Band Edge

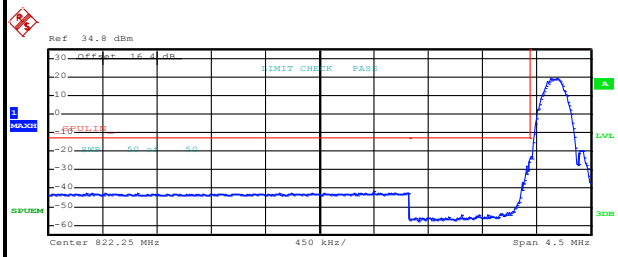


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.779500 M	24.10	-10.90
849.000 M	850.000 M	3.00 k	849.020000 M	-22.01	-9.01
850.000 M	855.000 M	100.00 k	850.030000 M	-40.67	-27.67

Date: 17.AUG.2015 10:09:42

GSM850 (EDGE class 8)

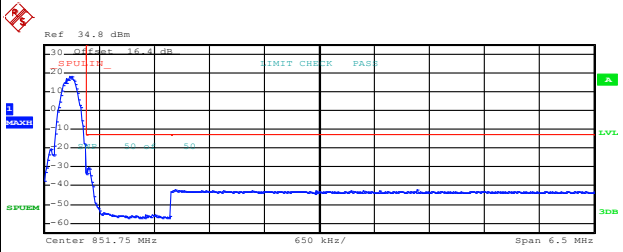
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.697000 M	-41.80	-28.80
823.000 M	824.000 M	3.00 k	823.988000 M	-25.82	-12.82
824.000 M	824.500 M	10.00 k	824.221000 M	19.13	-15.87

Date: 17.AUG.2015 10:18:25

Highest Band Edge

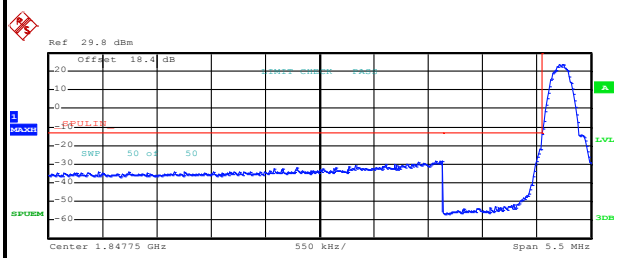


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.830000 M	18.31	-16.69
849.000 M	850.000 M	3.00 k	849.016000 M	-30.41	-17.41
850.000 M	855.000 M	100.00 k	850.040000 M	-42.19	-29.19

Date: 17.AUG.2015 10:19:54

GSM1900 (GPRS class 8)

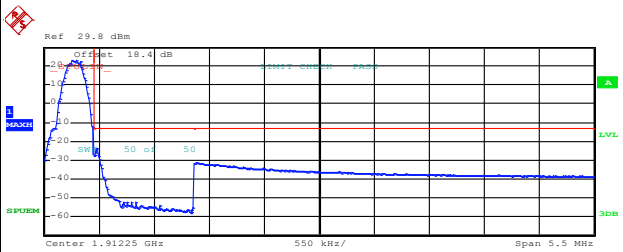
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848988 G	-28.49	-15.49
1.849 G	1.850 G	3.00 k	1.849984 G	-21.85	-8.85
1.850 G	1.851 G	10.00 k	1.850227 G	23.60	-11.40

Date: 17.AUG.2015 10:33:55

Highest Band Edge

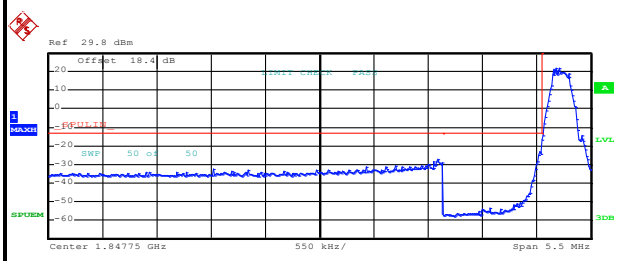


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909777 G	22.86	-12.14
1.910 G	1.911 G	3.00 k	1.910016 G	-23.54	-10.54
1.911 G	1.915 G	1.00 M	1.911016 G	-31.45	-18.45

Date: 17.AUG.2015 10:35:26

GSM1900 (EDGE class 8)

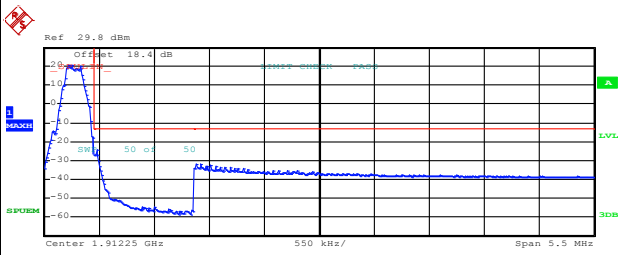
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848944 G	-27.32	-14.32
1.849 G	1.850 G	3.00 k	1.849984 G	-23.10	-10.10
1.850 G	1.851 G	10.00 k	1.850181 G	21.86	-13.14

Date: 17.AUG.2015 12:41:02

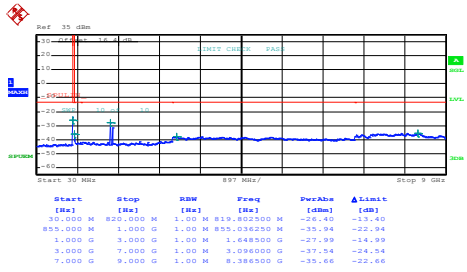
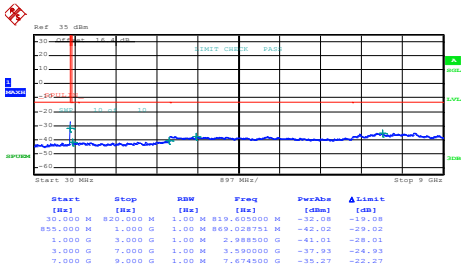
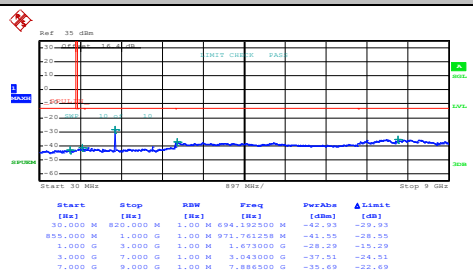
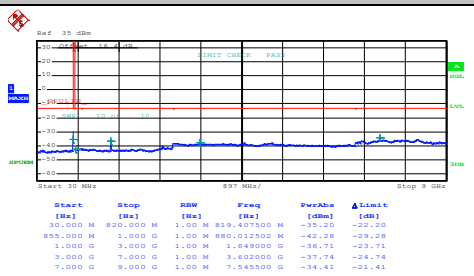
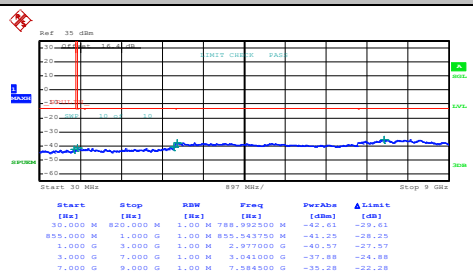
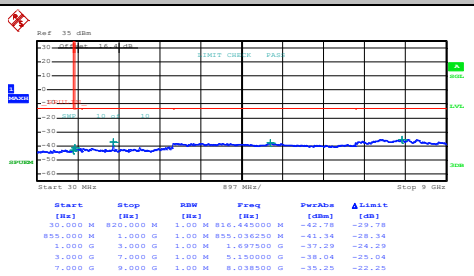
Highest Band Edge

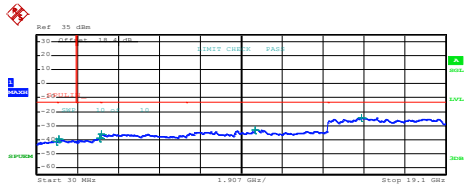
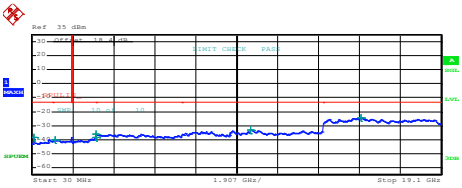
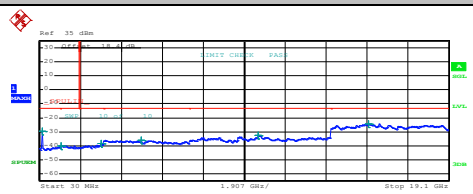
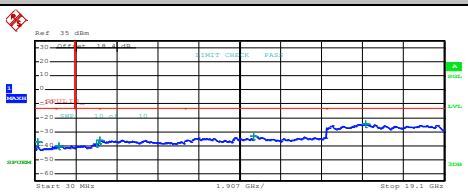
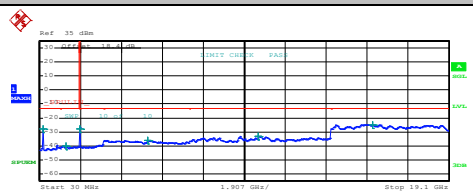
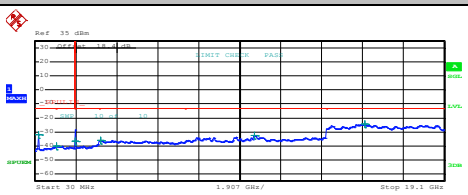


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909779 G	20.89	-14.11
1.910 G	1.911 G	3.00 k	1.910020 G	-24.58	-11.58
1.911 G	1.915 G	1.00 M	1.911016 G	-31.82	-18.82

Date: 17.AUG.2015 12:42:30

Conducted Spurious Emission

GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**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 / -26.40 / -13.40 855.000 M / 1.000 G / 1.00 M / 855.036250 M / -35.94 / -22.94 1.000 G / 3.000 G / 1.00 M / 1.648500 G / -27.99 / -14.99 3.000 G / 7.000 G / 1.00 M / 3.096000 G / -37.54 / -24.54 7.000 G / 9.000 G / 1.00 M / 8.386500 G / -35.66 / -22.66	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 819.605000 M / -32.08 / -19.08 855.000 M / 1.000 G / 1.00 M / 869.028751 M / -42.02 / -29.02 1.000 G / 3.000 G / 1.00 M / 2.988500 G / -41.01 / -28.01 3.000 G / 7.000 G / 1.00 M / 3.590000 G / -37.93 / -24.93 7.000 G / 9.000 G / 1.00 M / 7.674500 G / -35.27 / -22.27
Date: 17.AUG.2015 10:10:22	Date: 17.AUG.2015 10:20:48
Middle Channel	**Middle Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 694.192500 M / -42.93 / -29.93 855.000 M / 1.000 G / 1.00 M / 971.761258 M / -41.55 / -28.55 1.000 G / 3.000 G / 1.00 M / 1.673000 G / -28.29 / -15.29 3.000 G / 7.000 G / 1.00 M / 3.043000 G / -37.51 / -24.51 7.000 G / 9.000 G / 1.00 M / 7.886500 G / -35.69 / -22.69	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 819.407500 M / -35.20 / -22.20 855.000 M / 1.000 G / 1.00 M / 880.012502 M / -42.28 / -29.28 1.000 G / 3.000 G / 1.00 M / 1.649000 G / -36.71 / -23.71 3.000 G / 7.000 G / 1.00 M / 3.602000 G / -37.74 / -24.74 7.000 G / 9.000 G / 1.00 M / 7.545500 G / -34.41 / -21.41
Date: 17.AUG.2015 10:10:55	Date: 17.AUG.2015 10:21:28
Highest Channel	**Highest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 788.992500 M / -42.61 / -29.61 855.000 M / 1.000 G / 1.00 M / 855.543750 M / -41.25 / -28.25 1.000 G / 3.000 G / 1.00 M / 2.977000 G / -40.57 / -27.57 3.000 G / 7.000 G / 1.00 M / 3.041000 G / -37.88 / -24.88 7.000 G / 9.000 G / 1.00 M / 7.584500 G / -35.28 / -22.28	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 816.445000 M / -42.78 / -29.78 855.000 M / 1.000 G / 1.00 M / 855.036250 M / -41.34 / -28.34 1.000 G / 3.000 G / 1.00 M / 1.697500 G / -37.29 / -24.29 3.000 G / 7.000 G / 1.00 M / 5.150000 G / -38.04 / -25.04 7.000 G / 9.000 G / 1.00 M / 8.038500 G / -35.25 / -22.25
Date: 17.AUG.2015 10:11:29	Date: 17.AUG.2015 10:22:11

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 959.260000 M / -41.16 / -28.16 1.000 G / 1.845 G / 1.00 M / 1.055559 G / -39.78 / -26.78 1.915 G / 3.000 G / 1.00 M / 2.969078 G / -38.92 / -25.92 3.000 G / 7.000 G / 1.00 M / 3.032000 G / -36.15 / -23.15 7.000 G / 13.600 G / 1.00 M / 10.210075 G / -32.95 / -19.95 13.600 G / 19.100 G / 1.00 M / 15.164063 G / -24.47 / -11.47	Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 111.965000 M / -38.12 / -25.12 1.000 G / 1.845 G / 1.00 M / 1.094851 G / -40.22 / -27.22 1.915 G / 3.000 G / 1.00 M / 2.991320 G / -38.62 / -25.62 3.000 G / 7.000 G / 1.00 M / 3.004000 G / -36.03 / -23.03 7.000 G / 13.600 G / 1.00 M / 10.225750 G / -33.37 / -20.37 13.600 G / 19.100 G / 1.00 M / 15.381313 G / -24.61 / -11.61
Date: 17.AUG.2015 10:36:18	Date: 17.AUG.2015 12:43:17
Middle Channel	**Middle Channel**
	
Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 141.792500 M / -29.72 / -16.72 1.000 G / 1.845 G / 1.00 M / 1.028096 G / -40.15 / -27.15 1.915 G / 3.000 G / 1.00 M / 2.892585 G / -38.68 / -25.68 3.000 G / 7.000 G / 1.00 M / 4.755000 G / -36.00 / -23.00 7.000 G / 13.600 G / 1.00 M / 10.207600 G / -32.64 / -19.64 13.600 G / 19.100 G / 1.00 M / 15.372375 G / -24.55 / -11.55	Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 142.035000 M / -37.21 / -24.21 1.000 G / 1.845 G / 1.00 M / 1.142383 G / -40.00 / -27.00 1.915 G / 3.000 G / 1.00 M / 2.898010 G / -38.58 / -25.58 3.000 G / 7.000 G / 1.00 M / 3.045000 G / -36.01 / -23.01 7.000 G / 13.600 G / 1.00 M / 10.208425 G / -33.16 / -20.16 13.600 G / 19.100 G / 1.00 M / 15.426688 G / -24.30 / -11.30
Date: 17.AUG.2015 10:36:58	Date: 17.AUG.2015 12:43:47
Highest Channel	**Highest Channel**
	
Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 171.620000 M / -27.63 / -14.63 1.000 G / 1.845 G / 1.00 M / 1.257936 G / -40.12 / -27.12 1.915 G / 3.000 G / 1.00 M / 1.915271 G / -27.77 / -14.77 3.000 G / 7.000 G / 1.00 M / 5.064000 G / -36.04 / -23.04 7.000 G / 13.600 G / 1.00 M / 10.220800 G / -33.02 / -20.02 13.600 G / 19.100 G / 1.00 M / 15.549063 G / -24.65 / -11.65	Start 30 MHz / 1.907 GHz / Stop 19.1 GHz Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 171.620000 M / -31.84 / -18.84 1.000 G / 1.845 G / 1.00 M / 1.034645 G / -40.17 / -27.17 1.915 G / 3.000 G / 1.00 M / 1.915271 G / -36.36 / -23.36 3.000 G / 7.000 G / 1.00 M / 3.098000 G / -36.21 / -23.21 7.000 G / 13.600 G / 1.00 M / 10.248850 G / -32.52 / -19.52 13.600 G / 19.100 G / 1.00 M / 15.390938 G / -24.46 / -11.46
Date: 17.AUG.2015 10:37:30	Date: 17.AUG.2015 12:44:17

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	0.1566	0.0036	PASS
40	Normal Voltage	0.0155	0.1913	
30	Normal Voltage	0.1435	0.2021	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.1483	0.1865	
0	Normal Voltage	0.0012	0.2056	
-10	Normal Voltage	0.1578	0.1937	
-20	Normal Voltage	0.1530	0.1758	
-30	Normal Voltage	0.1471	0.1865	
20	Maximum Voltage	0.0132	0.0012	
20	Normal Voltage	0.1554	0.0096	
20	Battery End Point	0.1495	0.1793	

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	0.0080	0.0053	PASS
40	Normal Voltage	0.1926	0.0064	
30	Normal Voltage	0.0032	0.0048	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.1846	0.0032	
0	Normal Voltage	0.0346	0.0048	
-10	Normal Voltage	0.1707	0.0005	
-20	Normal Voltage	0.0011	0.0016	
-30	Normal Voltage	0.0048	0.0043	
20	Maximum Voltage	0.1665	0.0016	
20	Normal Voltage	0.1835	0.0037	
20	Battery End Point	0.0059	0.0021	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.35 V

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