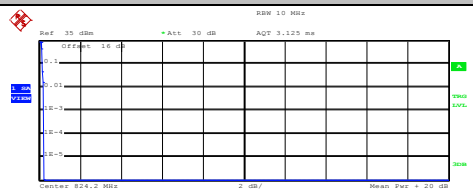
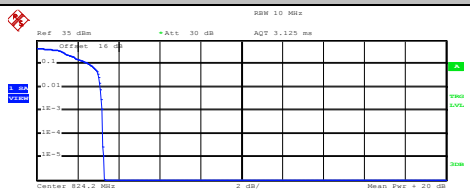
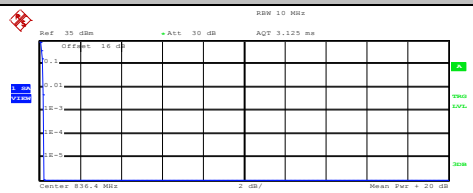
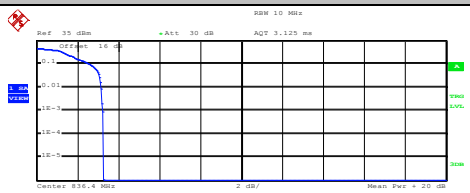
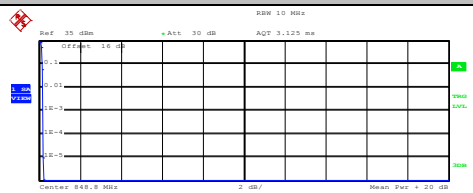
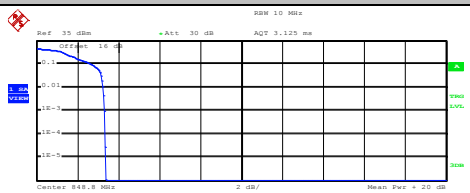
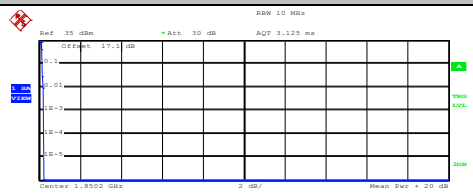
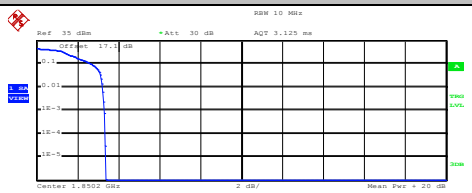
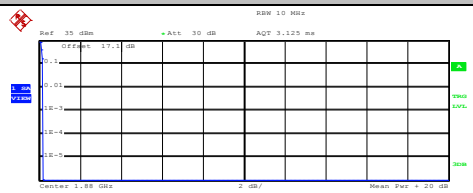
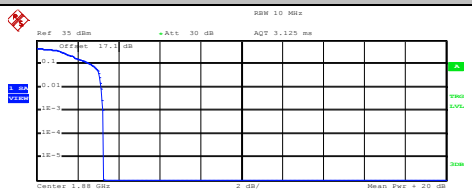
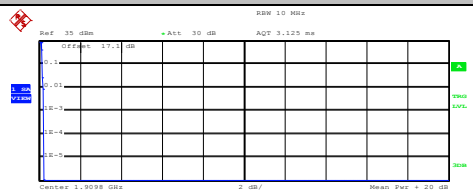
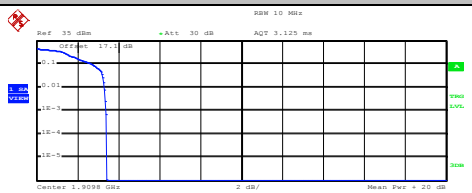
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.20	PASS
Middle CH	0.24	3.24	
Highest CH	0.20	3.32	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.32	PASS
Middle CH	0.20	3.24	
Highest CH	0.24	3.40	

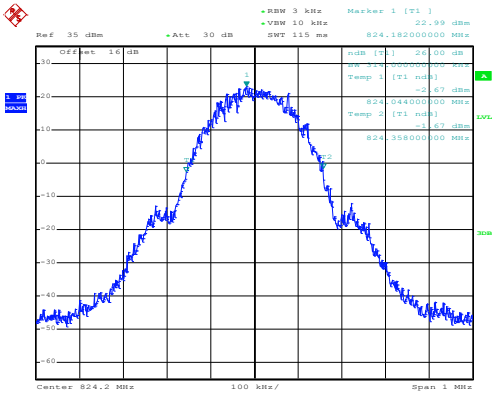
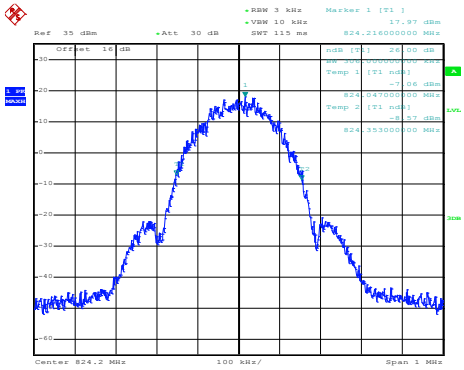
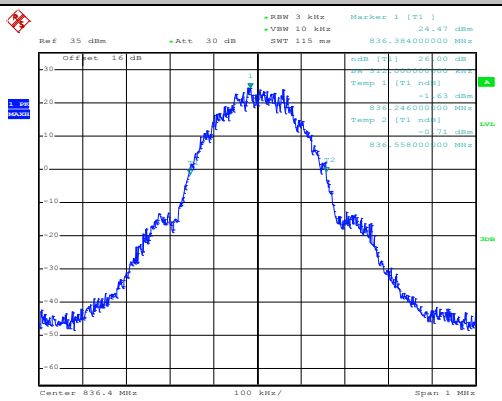
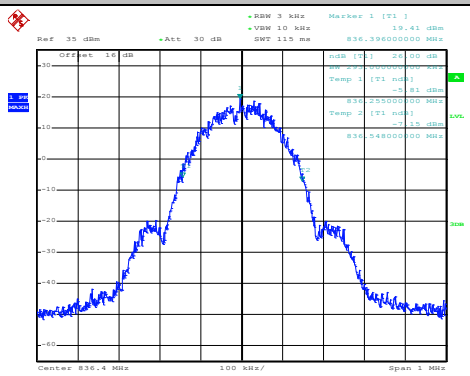
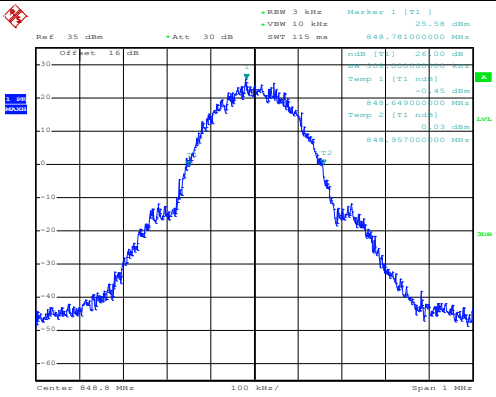
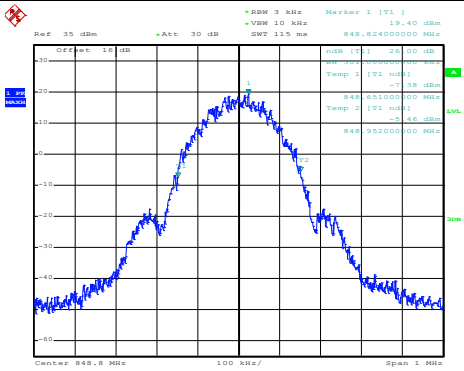
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.29 dBm Peak 31.51 dBm Crest 0.22 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.25 dBm Peak 28.55 dBm Crest 3.30 dB 10 % 2.56 dB 1 % 3.12 dB .1 % 3.20 dB .01 % 3.24 dB
Date: 4.JAN.2016 17:13:00	Date: 4.JAN.2016 17:23:42
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.16 dBm Peak 32.36 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 26.06 dBm Peak 29.33 dBm Crest 3.26 dB 10 % 2.60 dB 1 % 3.16 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 4.JAN.2016 17:13:13	Date: 4.JAN.2016 17:23:56
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 32.97 dBm Peak 33.21 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 26.78 dBm Peak 30.17 dBm Crest 3.39 dB 10 % 2.68 dB 1 % 3.24 dB .1 % 3.32 dB .01 % 3.36 dB
Date: 4.JAN.2016 17:13:26	Date: 4.JAN.2016 17:24:09

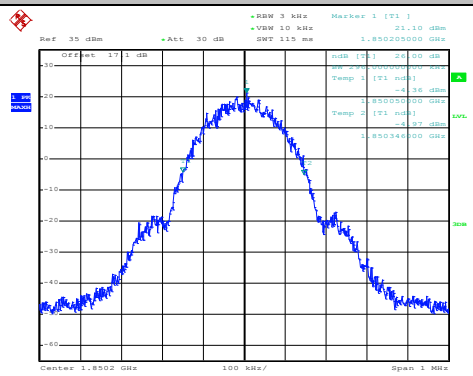
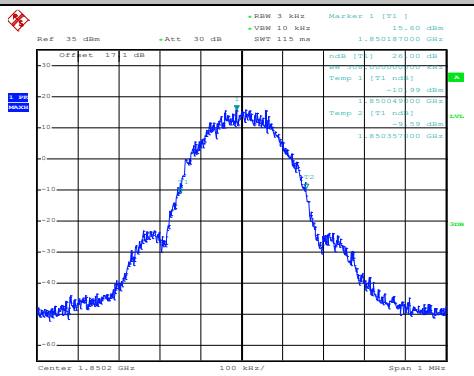
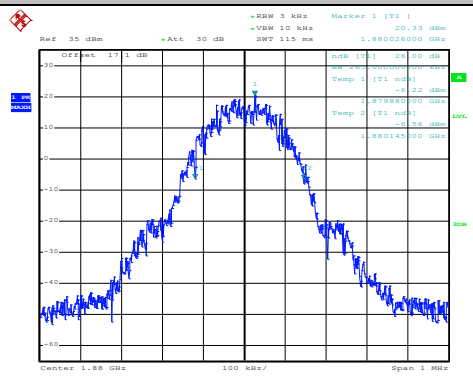
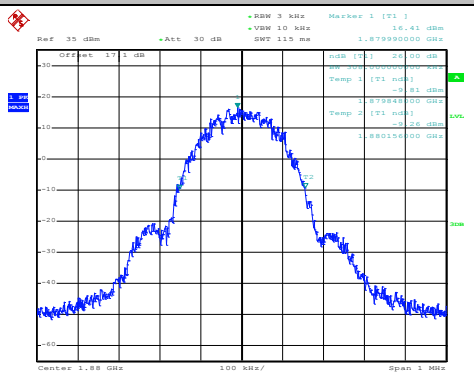
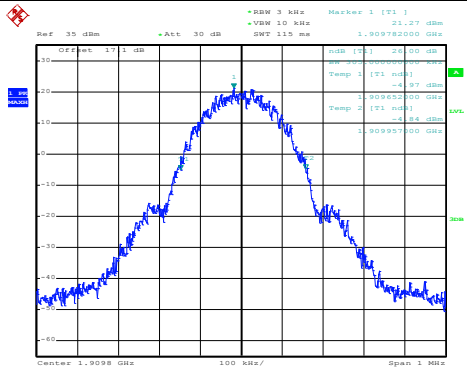
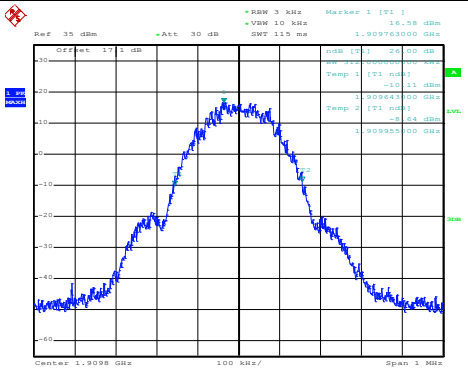
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 27.48 dBm Peak 27.70 dBm Crest 0.22 dB 10 % 0.16 dB 1 % 0.20 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.71 dBm Peak 27.07 dBm Crest 3.35 dB 10 % 2.68 dB 1 % 3.24 dB .1 % 3.32 dB .01 % 3.36 dB
Date: 4.JAN.2016 17:38:35	Date: 4.JAN.2016 17:49:04
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.22 dBm Peak 28.41 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 24.52 dBm Peak 27.77 dBm Crest 3.26 dB 10 % 2.64 dB 1 % 3.16 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 4.JAN.2016 17:38:45	Date: 4.JAN.2016 17:49:19
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.97 dBm Peak 29.18 dBm Crest 0.22 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 25.14 dBm Peak 28.55 dBm Crest 3.41 dB 10 % 2.72 dB 1 % 3.32 dB .1 % 3.40 dB .01 % 3.44 dB
Date: 4.JAN.2016 17:38:57	Date: 4.JAN.2016 17:49:32

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.314	0.306
Middle CH	0.312	0.293
Highest CH	0.308	0.301

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.296	0.308
Middle CH	0.265	0.308
Highest CH	0.305	0.312

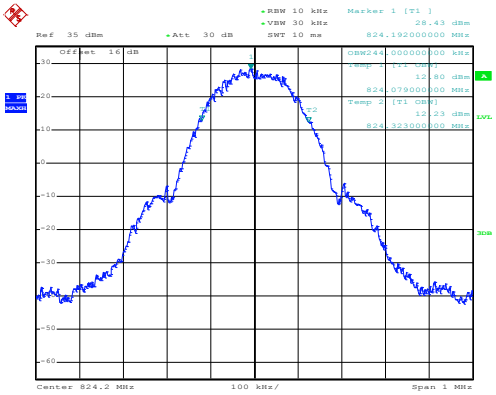
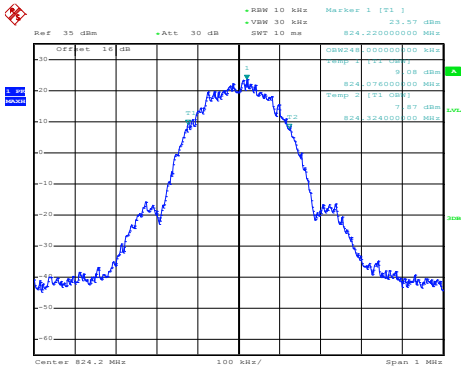
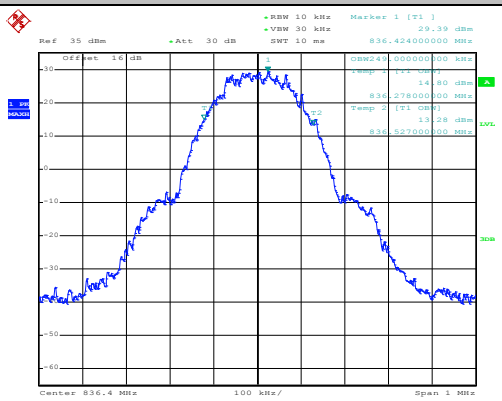
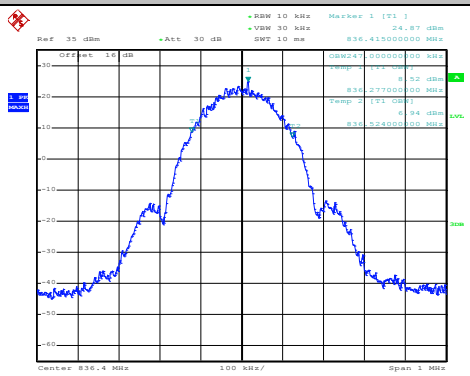
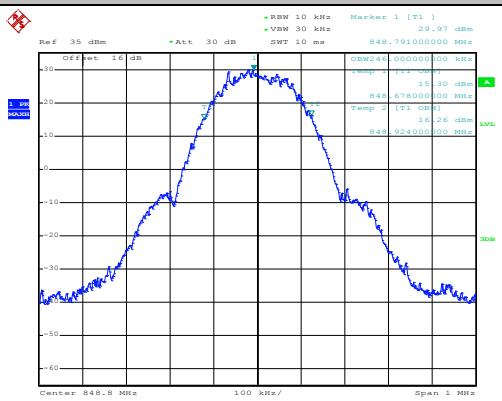
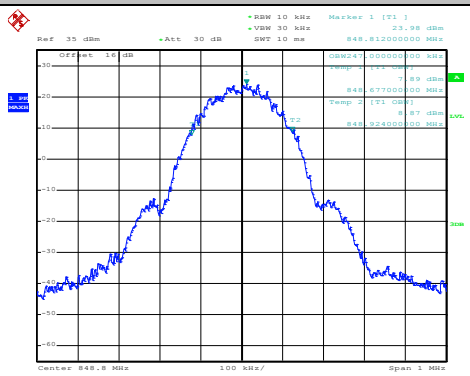
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 4.JAN.2016 17:00:51	Date: 4.JAN.2016 17:15:06
Middle Channel	**Middle Channel**
	
Date: 4.JAN.2016 17:01:35	Date: 4.JAN.2016 17:15:37
Highest Channel	**Highest Channel**
	
Date: 4.JAN.2016 17:02:09	Date: 4.JAN.2016 17:16:14

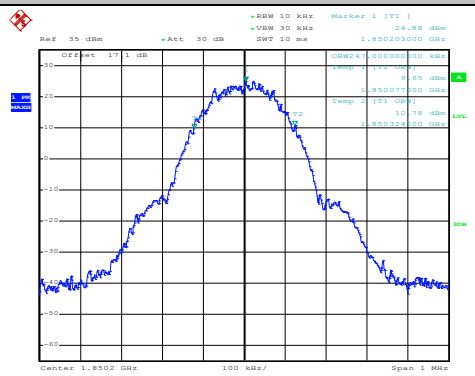
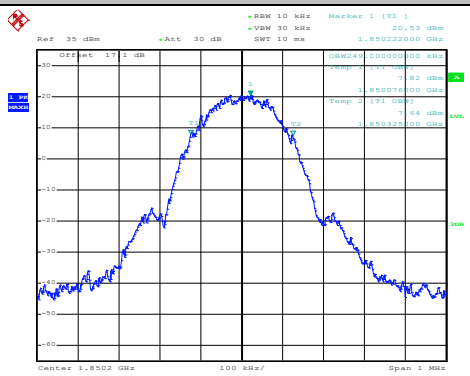
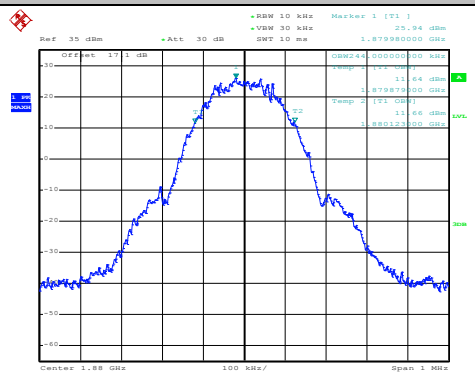
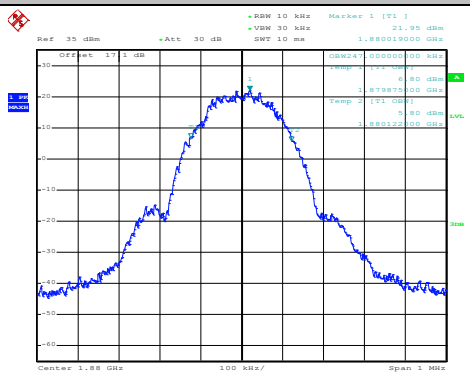
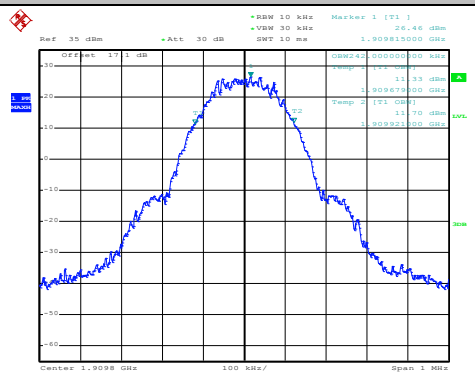
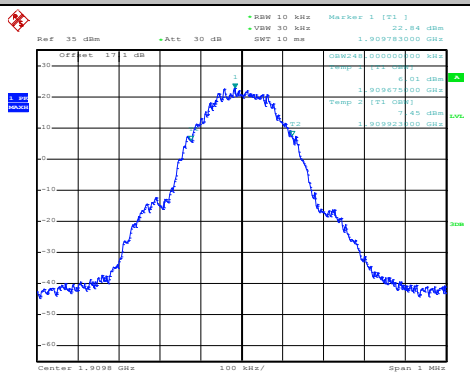
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 4.JAN.2016 17:28:53	Date: 4.JAN.2016 17:40:11
Middle Channel	**Middle Channel**
	
Date: 4.JAN.2016 17:29:26	Date: 4.JAN.2016 17:40:40
Highest Channel	**Highest Channel**
	
Date: 4.JAN.2016 17:29:59	Date: 4.JAN.2016 17:41:12

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.244	0.248
Middle CH	0.249	0.247
Highest CH	0.246	0.247

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.247	0.249
Middle CH	0.244	0.247
Highest CH	0.242	0.248

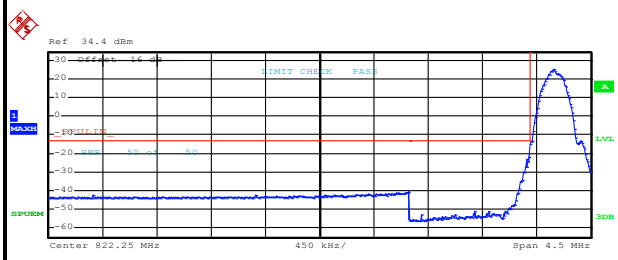
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 4.JAN.2016 17:05:35	Date: 4.JAN.2016 17:16:49
Middle Channel	**Middle Channel**
	
Date: 4.JAN.2016 17:06:10	Date: 4.JAN.2016 17:17:18
Highest Channel	**Highest Channel**
	
Date: 4.JAN.2016 17:06:42	Date: 4.JAN.2016 17:17:47

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 4.JAN.2016 17:30:38	Date: 4.JAN.2016 17:41:52
Middle Channel	**Middle Channel**
	
Date: 4.JAN.2016 17:31:21	Date: 4.JAN.2016 17:42:28
Highest Channel	**Highest Channel**
	
Date: 4.JAN.2016 17:32:09	Date: 4.JAN.2016 17:43:00

Conducted Band Edge

GSM850 (GPRS class 8)

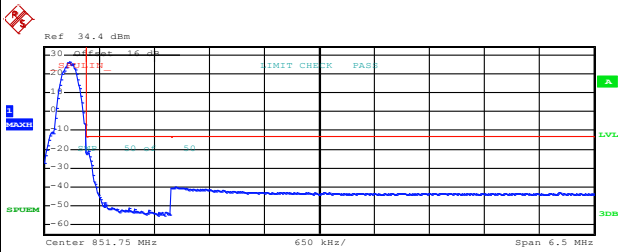
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	823.000000 M	-40.94	-27.94
823.000 M	824.000 M	3.00 k	823.980000 M	-23.20	-10.20
824.000 M	824.500 M	10.00 k	824.190000 M	25.63	-9.37

Date: 4.JAN.2016 17:08:15

Highest Band Edge

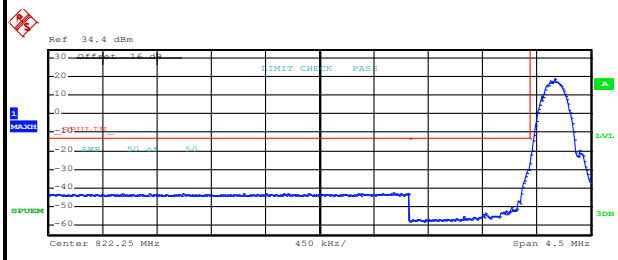


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.795500 M	26.68	-8.32
849.000 M	850.000 M	3.00 k	849.020000 M	-20.77	-7.77
850.000 M	855.000 M	100.00 k	850.060000 M	-40.25	-27.25

Date: 4.JAN.2016 17:09:46

GSM850 (EDGE class 8)

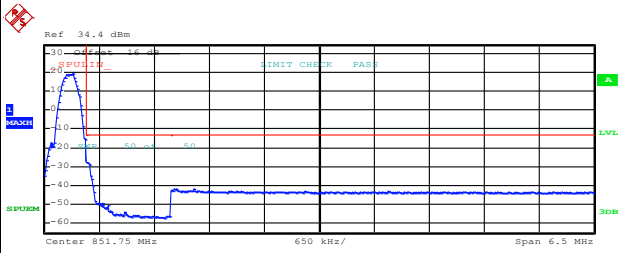
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.859000 M	-42.72	-29.72
823.000 M	824.000 M	3.00 k	823.980000 M	-30.15	-17.15
824.000 M	824.500 M	10.00 k	824.206500 M	18.63	-16.37

Date: 4.JAN.2016 17:19:24

Highest Band Edge

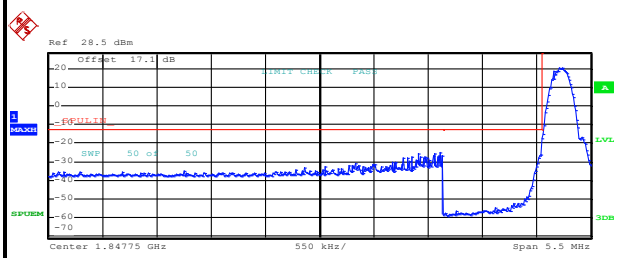


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.834500 M	19.25	-15.75
849.000 M	850.000 M	3.00 k	849.008000 M	-26.76	-13.76
850.000 M	855.000 M	100.00 k	850.055000 M	-42.15	-29.15

Date: 4.JAN.2016 17:20:53

GSM1900 (GPRS class 8)

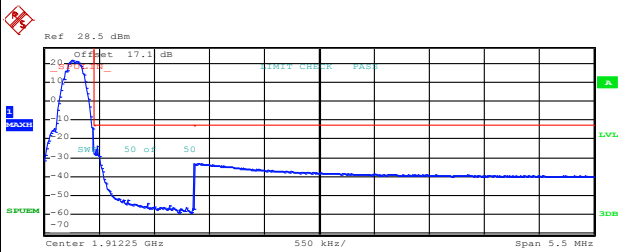
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848964 G	-25.03	-12.03
1.849 G	1.850 G	3.00 k	1.849984 G	-26.80	-13.80
1.850 G	1.851 G	10.00 k	1.850183 G	20.44	-14.56

Date: 4.JAN.2016 17:33:59

Highest Band Edge

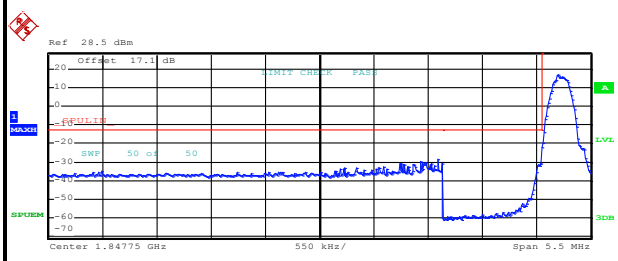


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909781 G	21.86	-13.14
1.910 G	1.911 G	3.00 k	1.910020 G	-23.95	-10.95
1.911 G	1.915 G	1.00 M	1.911000 G	-33.15	-20.15

Date: 4.JAN.2016 17:35:28

GSM1900 (EDGE class 8)

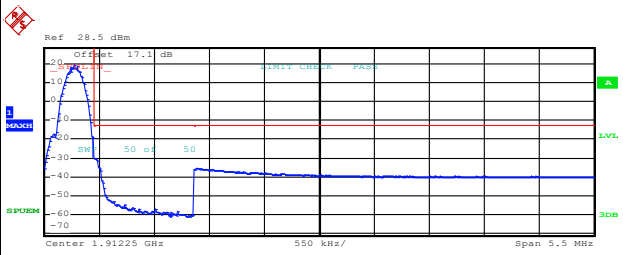
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848944 G	-28.41	-15.41
1.849 G	1.850 G	3.00 k	1.849992 G	-31.00	-18.00
1.850 G	1.851 G	10.00 k	1.850167 G	16.98	-18.02

Date: 4.JAN.2016 17:44:36

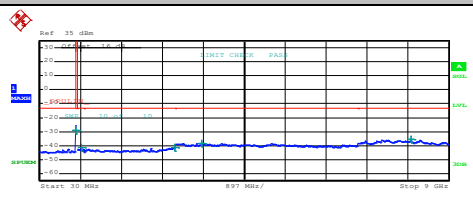
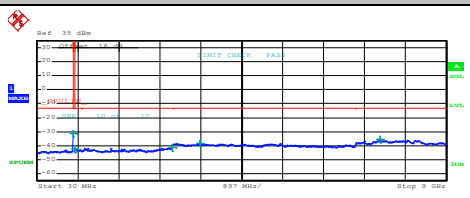
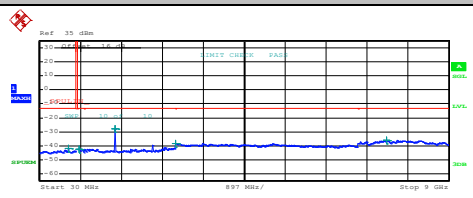
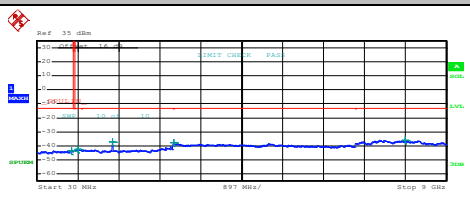
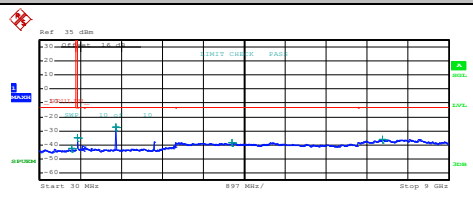
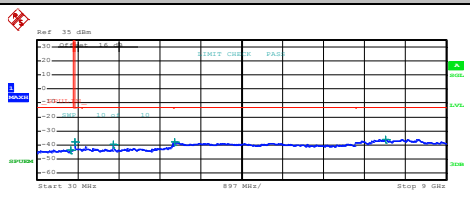
Highest Band Edge

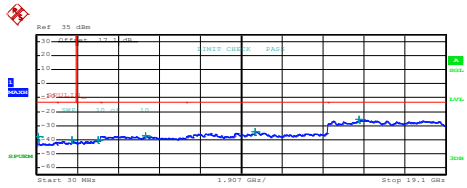
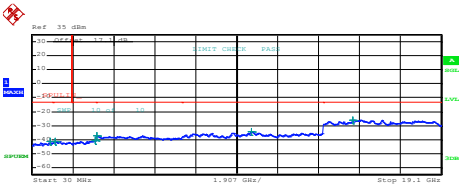
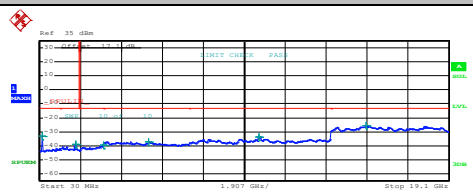
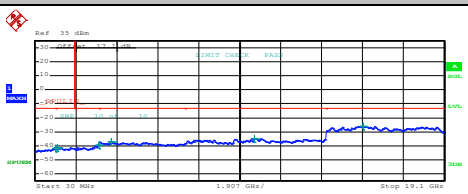
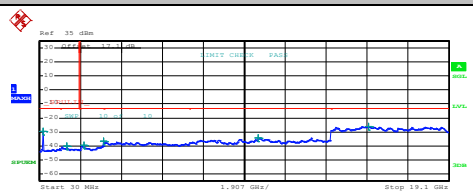
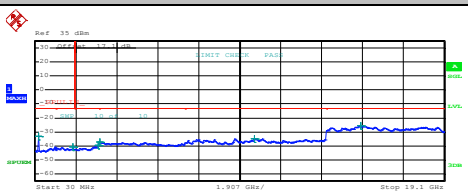


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909801 G	19.55	-15.45
1.910 G	1.911 G	3.00 k	1.910012 G	-28.86	-15.86
1.911 G	1.915 G	1.00 M	1.911040 G	-35.39	-22.39

Date: 4.JAN.2016 17:46:06

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 / -28.80 / -15.80 855.000 M / 1.000 G / 1.00 M / 939.317506 M / -41.31 / -28.31 1.000 G / 3.000 G / 1.00 M / 2.999000 G / -41.06 / -28.06 3.000 G / 7.000 G / 1.00 M / 3.581000 G / -38.36 / -25.36 7.000 G / 9.000 G / 1.00 M / 8.166500 G / -35.57 / -22.57	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 819.802500 M / -31.66 / -18.66 855.000 M / 1.000 G / 1.00 M / 858.697500 M / -42.59 / -29.59 1.000 G / 3.000 G / 1.00 M / 2.996500 G / -41.28 / -28.28 3.000 G / 7.000 G / 1.00 M / 3.599000 G / -38.37 / -25.37 7.000 G / 9.000 G / 1.00 M / 7.546500 G / -35.73 / -22.73
Date: 4.JAN.2016 17:10:45	Date: 4.JAN.2016 17:21:47
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 / 663.975000 M / -42.19 / -29.19 855.000 M / 1.000 G / 1.00 M / 898.101253 M / -42.32 / -29.32 1.000 G / 3.000 G / 1.00 M / 1.673000 G / -27.58 / -14.58 3.000 G / 7.000 G / 1.00 M / 3.011000 G / -38.40 / -25.40 7.000 G / 9.000 G / 1.00 M / 7.634500 G / -36.09 / -23.09	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 788.005000 M / -43.41 / -30.41 855.000 M / 1.000 G / 1.00 M / 925.832505 M / -42.25 / -29.25 1.000 G / 3.000 G / 1.00 M / 1.673500 G / -37.08 / -24.08 3.000 G / 7.000 G / 1.00 M / 3.023000 G / -37.98 / -24.98 7.000 G / 9.000 G / 1.00 M / 8.097000 G / -36.18 / -23.18
Date: 4.JAN.2016 17:11:54	Date: 4.JAN.2016 17:22:37
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 / 733.692500 M / -42.50 / -29.50 855.000 M / 1.000 G / 1.00 M / 855.108750 M / -35.17 / -22.17 1.000 G / 3.000 G / 1.00 M / 1.698000 G / -27.04 / -14.04 3.000 G / 7.000 G / 1.00 M / 4.248000 G / -38.36 / -25.36 7.000 G / 9.000 G / 1.00 M / 7.539000 G / -36.04 / -23.04	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 769.045000 M / -43.68 / -30.68 855.000 M / 1.000 G / 1.00 M / 855.036250 M / -37.89 / -24.89 1.000 G / 3.000 G / 1.00 M / 1.698000 G / -39.79 / -26.79 3.000 G / 7.000 G / 1.00 M / 3.045000 G / -38.07 / -25.07 7.000 G / 9.000 G / 1.00 M / 7.668000 G / -35.89 / -22.89
Date: 4.JAN.2016 17:12:40	Date: 4.JAN.2016 17:23:26

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 4.JAN.2016 17:36:24	Date: 4.JAN.2016 17:47:03
Middle Channel	**Middle Channel**
	
Date: 4.JAN.2016 17:37:11	Date: 4.JAN.2016 17:47:50
Highest Channel	**Highest Channel**
	
Date: 4.JAN.2016 17:38:05	Date: 4.JAN.2016 17:48:38

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	0.0765	0.0956	PASS
40	Normal Voltage	0.0143	0.0060	
30	Normal Voltage	0.0813	0.0909	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0885	0.0096	
0	Normal Voltage	0.0132	0.0012	
-10	Normal Voltage	0.0036	0.1184	
-20	Normal Voltage	0.0096	0.0897	
-30	Normal Voltage	0.0801	0.1016	
20	Maximum Voltage	0.0024	0.0000	
20	Normal Voltage	0.0729	0.0933	
20	Battery End Point	0.0789	0.0980	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0016	0.0713	PASS
40	Normal Voltage	0.0011	0.0612	
30	Normal Voltage	0.0138	0.0638	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0043	0.0622	
0	Normal Voltage	0.0117	0.0872	
-10	Normal Voltage	0.0170	0.0761	
-20	Normal Voltage	0.0622	0.0676	
-30	Normal Voltage	0.0005	0.0617	
20	Maximum Voltage	0.0080	0.0021	
20	Normal Voltage	0.0059	0.0612	
20	Battery End Point	0.0048	0.0644	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.