A1. GSM

Peak-to-Average Ratio

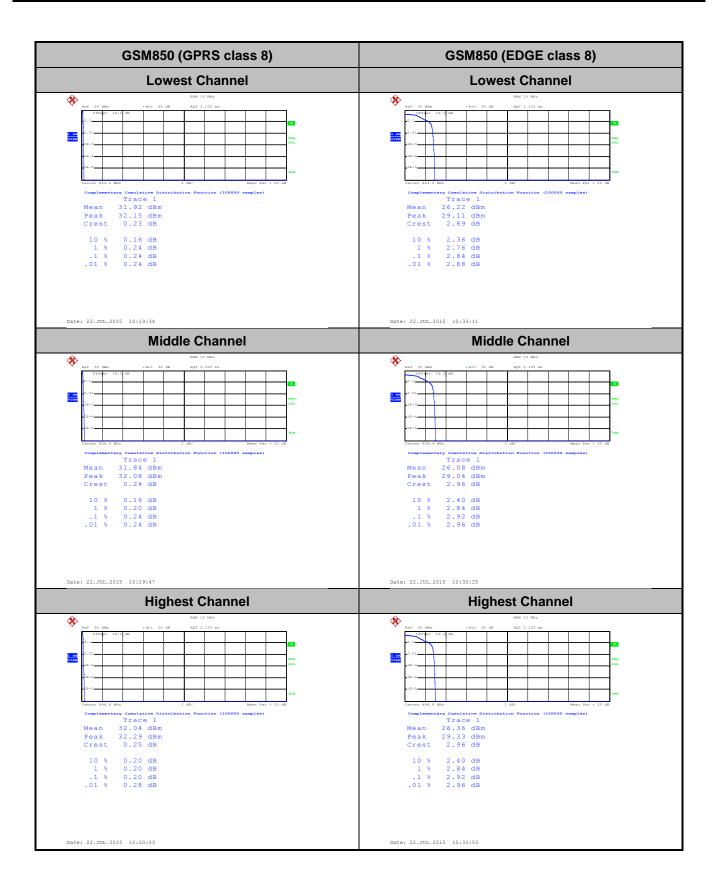
Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	2.84	
Middle CH	0.24	2.92	PASS
Highest CH	0.20	2.92	

Report No.: FG560818

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	3.28	
Middle CH	0.20	3.12	PASS
Highest CH	0.24	3.36	

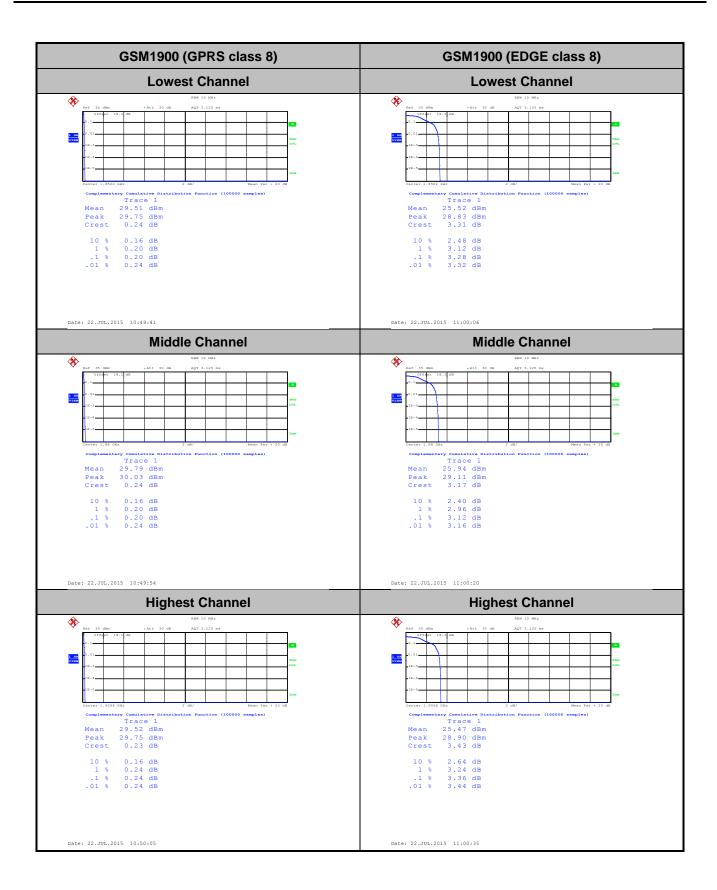
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FG560818

Report No.:



26dB Bandwidth

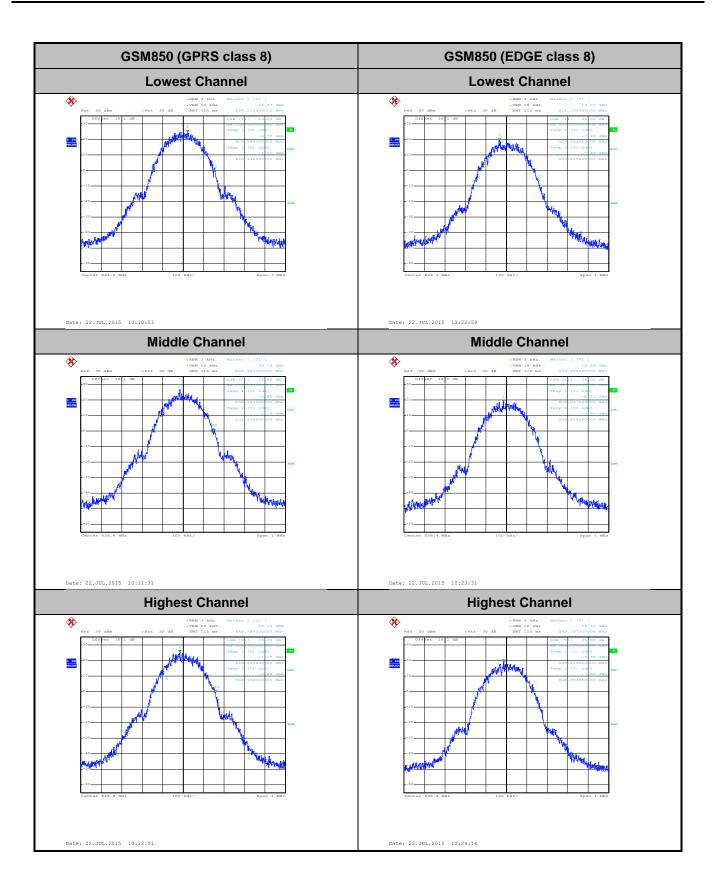
Mode	GSM850		
Mod.	GPRS class 8	EDGE class 8	
Lowest CH	0.298	0.302	
Middle CH	0.299	0.307	
Highest CH	0.306	0.308	

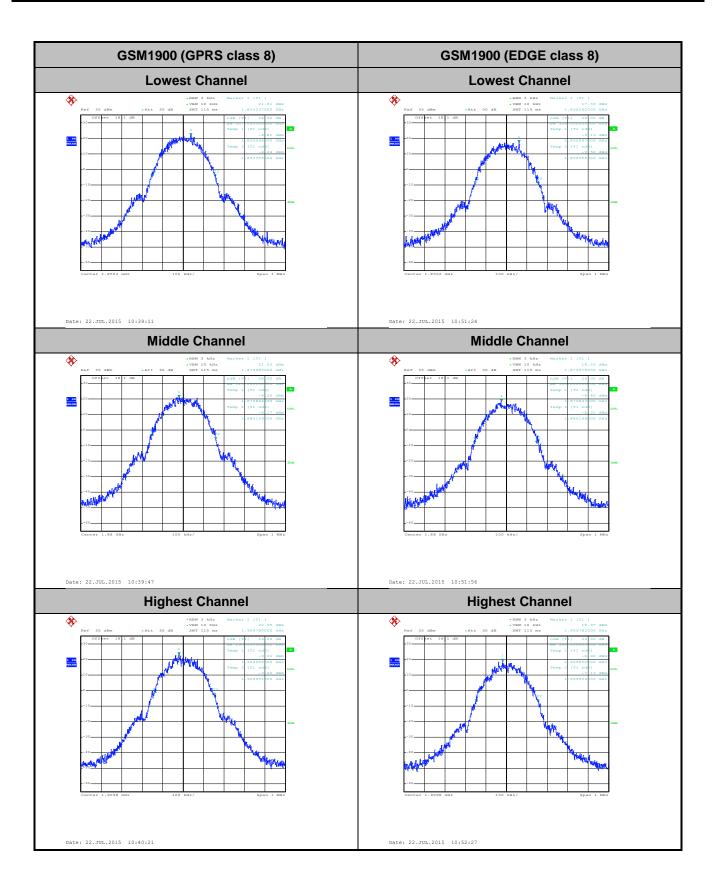
Report No.: FG560818

Mode	GSM1900		
Mod.	Mod. GPRS class 8 ED		
Lowest CH	0.307	0.308	
Middle CH	0.315	0.305	
Highest CH	0.296	0.302	

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Occupied Bandwidth

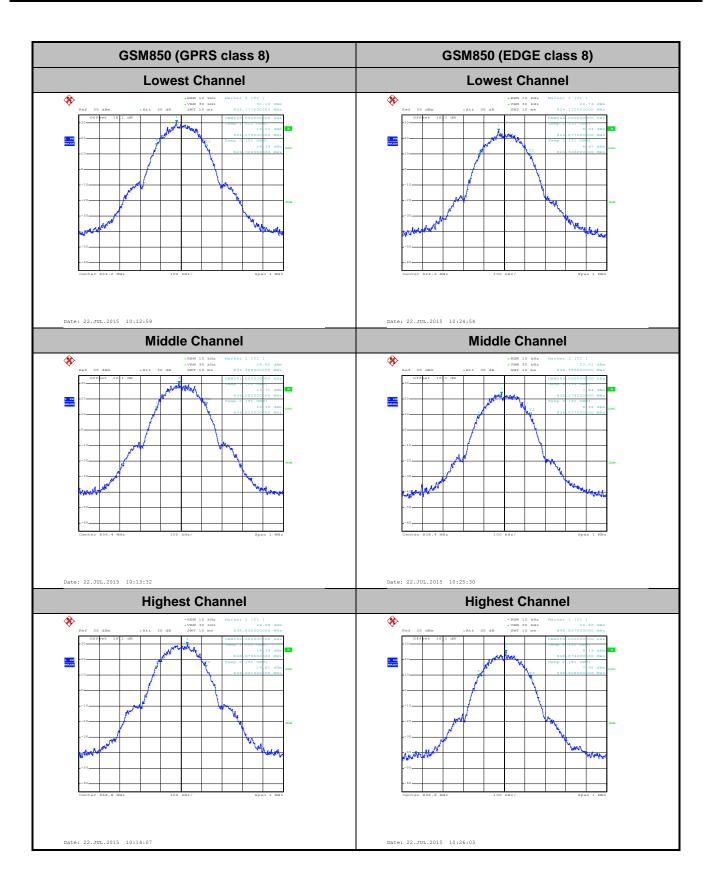
Mode	GSM850		
Mod.	Mod. GPRS class 8 EDGE class 8		
Lowest CH	0.245	0.249	
Middle CH	0.241	0.253	
Highest CH	0.242	0.254	

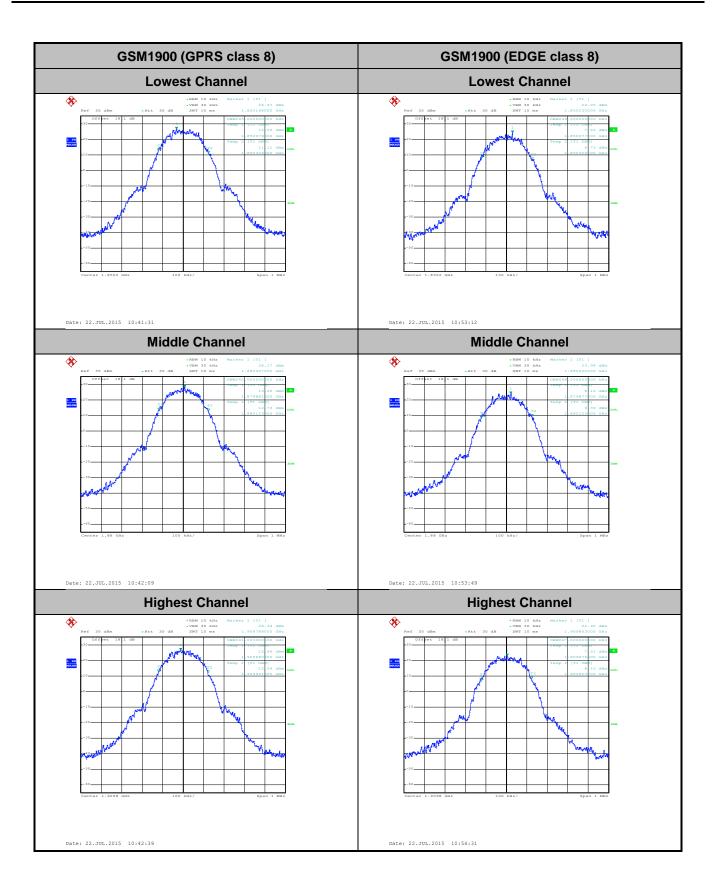
Report No.: FG560818

Mode	GSM1900		
Mod.	GPRS class 8	EDGE class 8	
Lowest CH	0.245	0.249	
Middle CH	0.242	0.248	
Highest CH	0.241	0.247	

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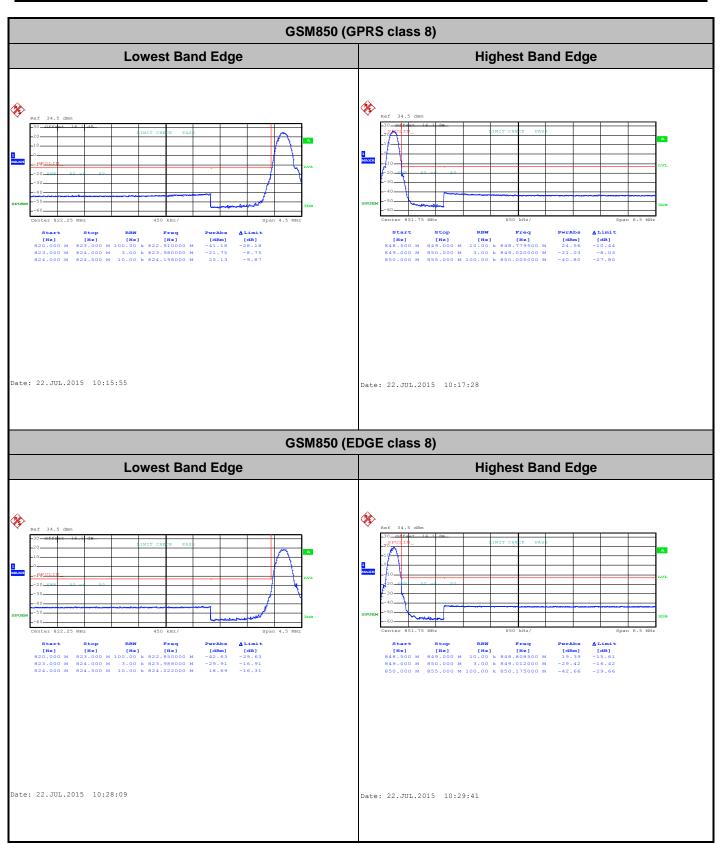


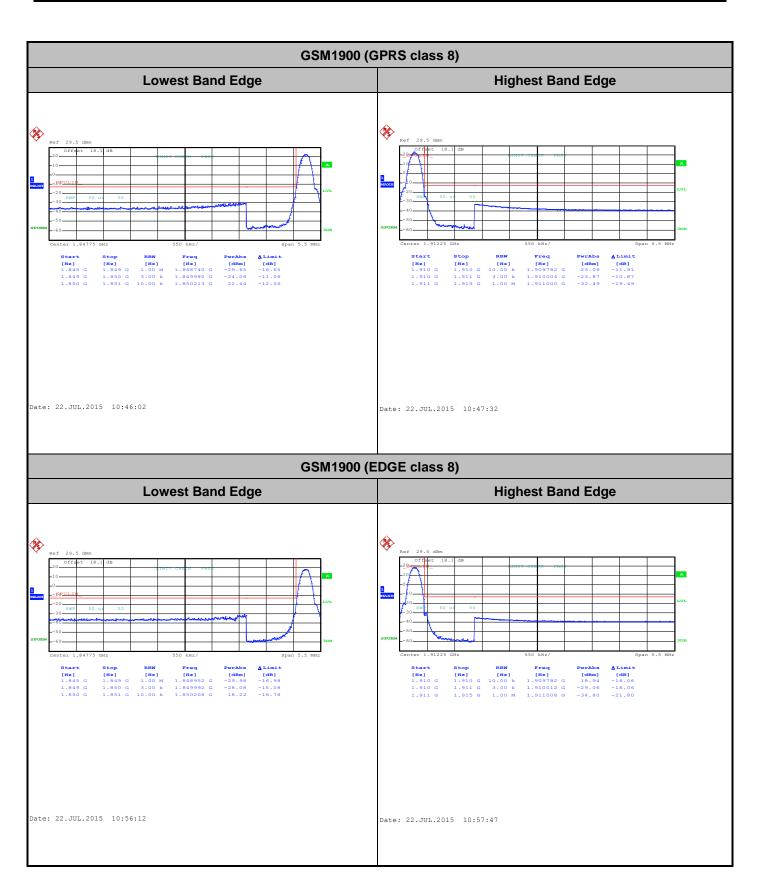


Conducted Band Edge

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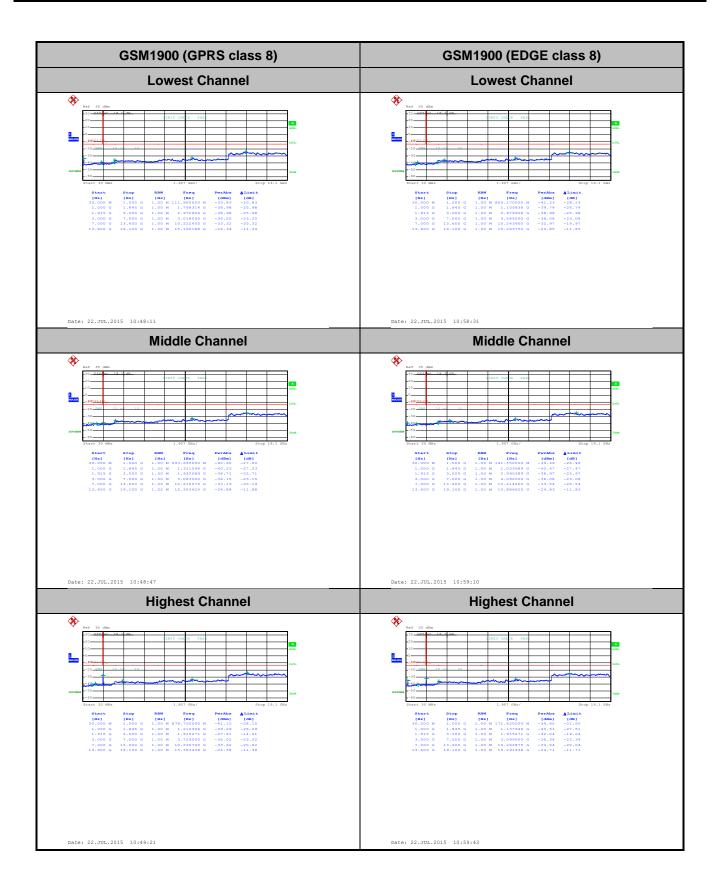
Conducted Spurious Emission

SPORTON INTERNATIONAL INC.

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GSM850 (EDGE class 8) GSM850 (GPRS class 8) **Lowest Channel Lowest Channel** * Date: 22.JUL.2015 10:18:07 Date: 22.JUL.2015 10:30:45 **Middle Channel Middle Channel Highest Channel Highest Channel %** * Date: 22.JUL.2015 10:19:13

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Frequency Stability

Test Conditions	Middle Channel	GSM850 (GPRS class 8)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation	on (ppm)	Result
50	Normal Voltage	0.0108	0.0084	
40	Normal Voltage	0.0036	0.0048	
30	Normal Voltage	0.0036	0.0024	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0012	0.0036	
0	Normal Voltage	0.0024	0.0072	
-10	Normal Voltage	0.0060	0.0371	PASS
-20	Normal Voltage	0.0048	0.0024	
-30	Normal Voltage	0.0012	0.0060	
20	Maximum Voltage	0.0048	0.0060	
20	Normal Voltage	0.0096	0.0036	
20	Battery End Point	0.0084	0.0012	

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Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviatio	n (ppm)	Result
50	Normal Voltage	0.0170	0.0011	
40	Normal Voltage	0.0021	0.0032	
30	Normal Voltage	0.0181	0.0005	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0186	0.0016	
0	Normal Voltage	0.0005	0.0005	
-10	Normal Voltage	0.0191	0.0011	PASS
-20	Normal Voltage	0.0176	0.0021	1
-30	Normal Voltage	0.0016	0.0016	
20	Maximum Voltage	0.0027	0.0027	-
20	Normal Voltage	0.0005	0.0037	
20	Battery End Point	0.0011	0.0021	

Note:

- 1. Normal Voltage = 12V. ; Battery End Point (BEP) = 5 V. ; Maximum Voltage =18 V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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