

MPE CALCULATION

APPLICANT: HUSQVARNA AB
561 82 HUSQVARNA, SWEDEN
Phone +46 36 1466362
Christer.gustavsson@husqvarna.se

EUT DESCRIPTION Electronic card for Robotic Lawn Mower whit GSM Module

EUT TRADEMARK Husqvarna

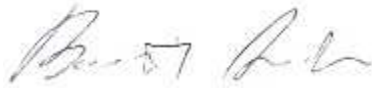
EUT MODEL GPS_MOW_5


REFERENCE STANDARDS : FCC RULES PART 22 and 24

TEST REPORT NUMBER FCCTR_110442-1

DATE OF ISSUE 19/04/2011

LABORATORY Prima Ricerca & Sviluppo S.r.l.
Via Campagna, 92 -22020 Faloppio (Co) –Italy

ISSUED BY Andrea Bortolotti


APPROVED BY Massimo Maltempi


The calculation results reported in this document shall refer only to Test Report above indicated and relevant tested sample



0. CONTENTS

	Page
0. CONTENTS	2
1. Reference Data	3
2. Calculation result	4
3. EUT Photographic DOCUMENTATION	6



1. Reference Data

Test Report reference

- ▶ FCCTR_110442-1 issued 15/04/2011 by Prima Ricerca & Sviluppo

GSM 850		Power Control Level = 5	
Channel	Frequency (MHz)	ERP Output Power(dBm)	
128	824,12	17.30	
188	836,58	13.80	
251	848,798	23.30	

PCS 1900		Power Control Level = 0	
Channel	Frequency (MHz)	EIRP Output Power(dBm)	
512	1850,335	6.80	
661	1880,24	21.00	
810	1909,738	27.50	



2. Calculation result

GSM 850 Integral Antenna ch 251 (worst case)

Calculation Results

	Conducted Antenna Connector	Radiated
Power at the Antenna	n.a	0.214 watts
Antenna Gain in dB	n.a	1.5 dBi
Distance to the Area of Interest	n.a	0.6545 feet 0.1995 metres
Frequency of Operation	n.a	848.80 MHz
Are Ground reflections Calculated	Yes	No
Estimated RF Power Density	n.a	0.0605 mW/cm ²

n.a.= not applicable

-

	Controlled Environment	Uncontrolled Environment	Controlled Environment	Uncontrolled Environment
Maximum Permissible Exposure (MPE)	n.a	n.a	2.8343 mW/cm ²	0.5709 mW/cm ²
Distance to Compliance From Centre of Antenna	n.a	n.a	0.153 feet 0.0444 metres	0.2803 feet 0.0804 metres
Does the Area of Interest Appear to be in Compliance	n.a	n.a	yes	yes

PCS 1900: Channel 810 Integral Antenna (worst case)

Calculation Results

	Conducted Antenna Connector	Radiated
Power at the Antenna	n.a	0.562 watts
Antenna Gain in dB	n.a	1.5 dBi
Distance to the Area of Interest	n.a	0.6545 feet 0.1995 metres
Frequency of Operation	n.a	1909.74 MHz
Are Ground reflections Calculated	Yes	No
Estimated RF Power Density	n.a	0.1588 mW/cm ²

n.a.= not applicable

	Controlled Environment	Uncontrolled Environment	Controlled Environment	Uncontrolled Environment
Maximum Permissible Exposure (MPE)	n.a	n.a	5.005 mW/cm ²	1.005 mW/cm ²
Distance to Compliance From Centre of Antenna	n.a	n.a	0.755 feet 0.0508 metres	0.3307 feet 0.0947 metres
Does the Area of Interest Appear to be in Compliance	n.a	n.a	yes	yes



3. EUT Photographic DOCUMENTATION

PHOTO N°1 – SYSTEM IDENTIFICATION

