

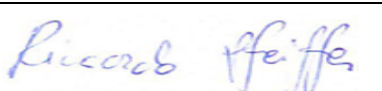


TEST SETUP PHOTO DOCUMENT

APPLICANT:	CARLO GAVAZZI CONTROLS SPA 32100 Belluno (Italy) – Via Safforze, 8 Tel. 0437 355811	
APPLICANT REFEREE:	ING. BORGHI claudio.borghini@gavazziacbu.it	
EUT DESCRIPTION	PC CONVERTER BY EXCHANGE INFORMATION	
EUT MODEL	OptoProg	
EUT FCC ID	SNJOPT	
EUT TRADEMARK		
MANUFACTURER	CARLO GAVAZZI CONTROLS SPA	
REFERENCE STANDARDS	47 CFR FCC part 15.247; Subpart B - §15.107 §15.109	
TEST REPORT NUMBER	FCCTR_161683-1	
TEST REPORT ISSUE DATE	02/05/2018	
TESTING LABORATORY	PRSLAB S.r.l. Unipersonale Via Campagna, 92 -22020 Faloppio (Co) – Italy FCC test registration number: 177269	
TESTING LOCATION	As Above	
DATE OF TEST SAMPLE RECEIPT	Jun 2017	
DATE OF TEST	Jun 2017- September 2017	
TESTED BY	Daniele AOSANI Tecnico Laboratorio EMC & RADIO / EMC & RADIO Laboratory Technician	
APPROVED BY	Riccardo PFEIFFER Responsabile Laboratori / Laboratory Manager	

The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.

Reproduction of this Test Report, should not be reproduced, except in full, without the written authorization of the Laboratory

0. CONTENTS


	Page
0. CONTENTS.....	2
1. RELEASE CONTROL RECORD	2
2. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT).....	3
2.1 Identification	3
2.2 Technical data	4
2.3 Ports identification	5
2.4 Auxiliary equipment	5
3. PHOTOGRAPHIC SECTION.....	6

1. RELEASE CONTROL RECORD

TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
TSupPhotos_161683-0	Original release	31/01/2018
TSupPhotos_161683-1	Editorial change	02/05/2018

2. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

2.1 Identification

Trademark:	
Manufacturer:	CARLO GAVAZZI CONTROLS SPA
Type of Equipment :	PC CONVERTER BY EXCHANGE INFORMATION
Model name:	OptoProg
Serial number :	Prototype
FCC ID :	SNJOPT
Country of manufacturer:	China

2.1 Technical data

Product type:	Radio Equipment – Bluetooth 4.1*
Radio type:	Intentional radiators
Product description / application	PC converter by exchange information
Power supply requirements :	3,7V 1200mAh (internal battery rechargeable)
Operating Frequency range	2400-2483.5MHz
Operating Frequency:	From 2402MHz to 2480MHz
Channel bandwidth	1MHz
Channel spacing	1MHz
Number of Channel	0-78 [79]
Type of modulation :	BT: BR GFSK (Tested as worst case) EDR $\pi/4$ -DQPSK, EDR 8-DPSK
Antenna Type	Integrated antenna

*The Chip is a BT 4.1 + LE dual mode, but the LE function has been disabled by the Manufacturer and will not be used.

2.2 Ports identification

This section contains descriptions of all signal ports and AC/DC power input/output ports, the length and the type of the cable provided by manufacturer needed for the tests. Moreover it is specified if the ports are ever or optionally connected.

Port		Description	Connection
1	Enclosure	Plastic	---
2	AC Power Supply	Port not present	---
3	DC power supply	5 V powered by Micro USB	Micro USB
4	Signal lines	USB	Micro USB
5	Telecomm. Lines	Port not present	---
6	Antenna port	Integrated antenna	---

Note: During the tests all cables must be what provided the manufacturer or the same that used in the real employment of the EUT.

2.3 Auxiliary equipment

- None

3. PHOTOGRAPHIC SECTION

PHOTO N°1 – EUT IDENTIFICATION

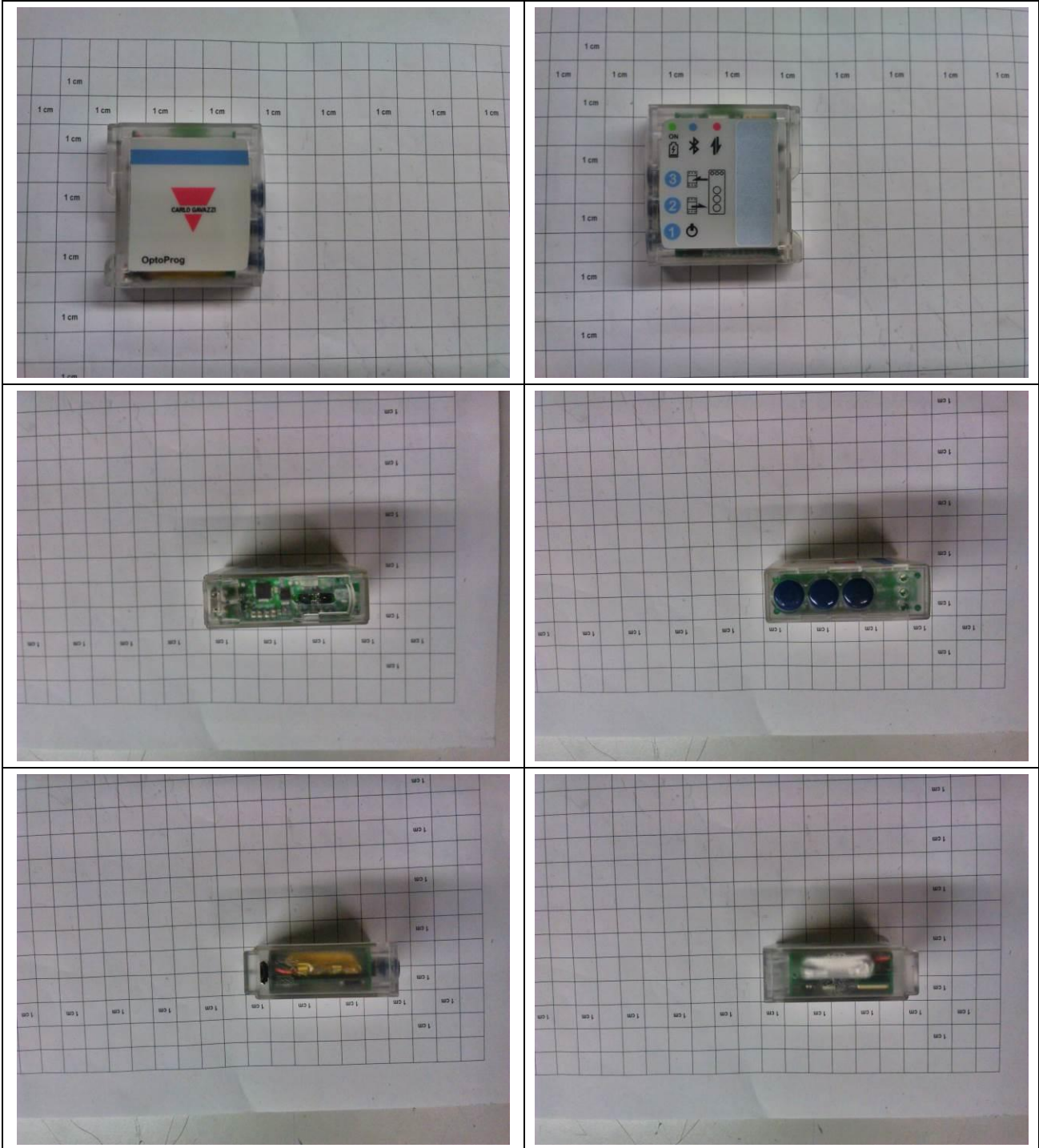


PHOTO N°2 – EVALUATION EUT

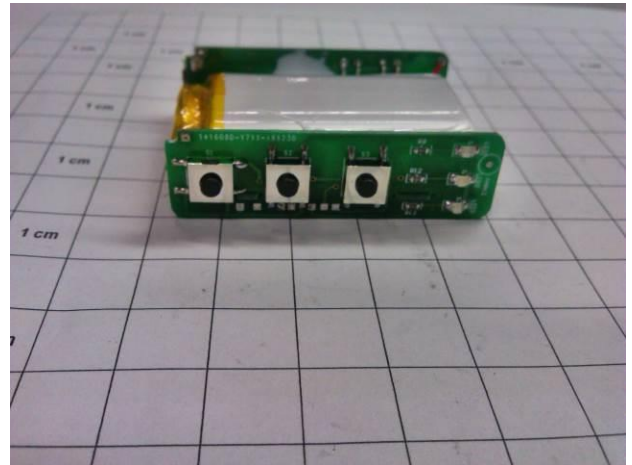
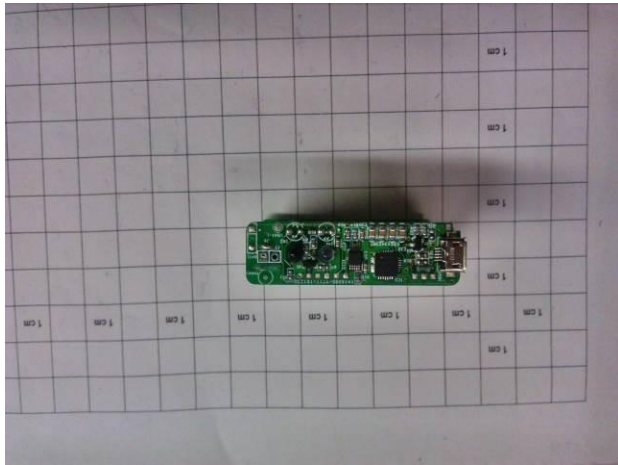
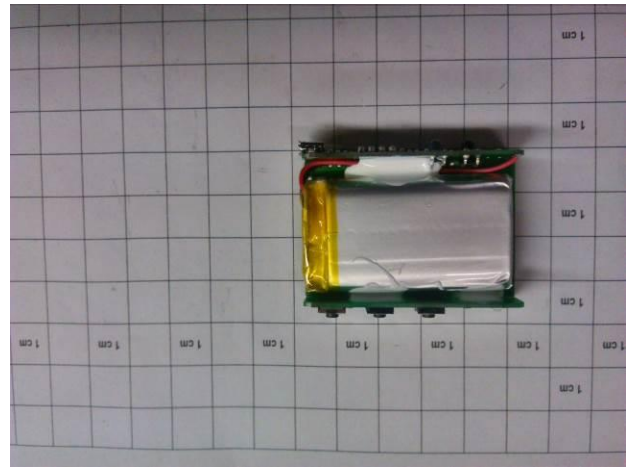
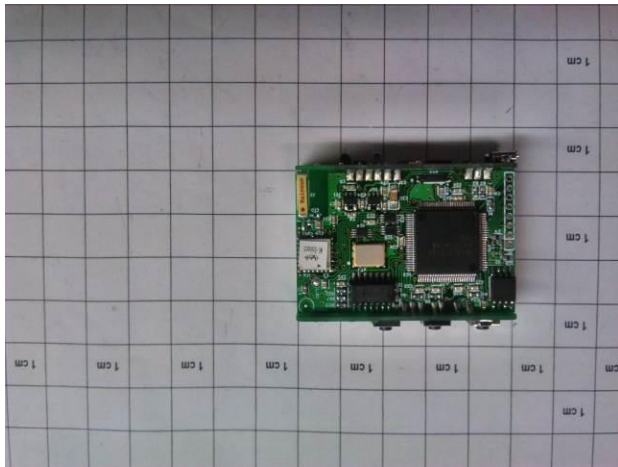


PHOTO N°3
SETUP FOR RADIATED MEASUREMENT <1GHz

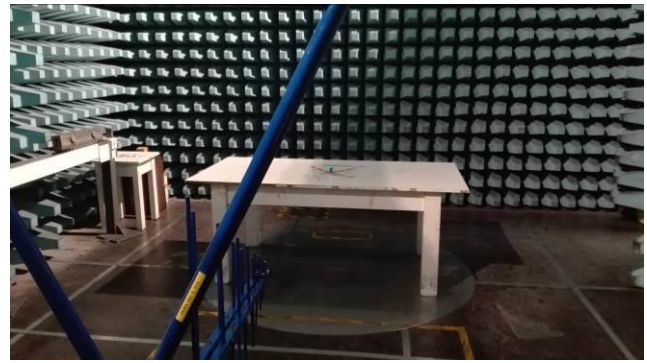


PHOTO N°4
SETUP FOR RADIATED MEASUREMENT >1GHz

