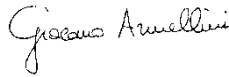



## TEST REPORT

<b>APPLICANT:</b>	MUNDO READER, S.L. CALLE SOFIA, 10 P.I EUROPOLIS Las Rozas - Madrid, 28232 Spain	
<b>APPLICANT REFEREE:</b>	MR. IVAN GARCIA	
<b>EUT DESCRIPTION</b>	WIFI MODULE	
<b>EUT MODEL</b>	BQ410	
<b>EUT FCC ID</b>	2AKDW-BQ410	
<b>EUT TRADEMARK</b>	MUNDO READER	
<b>MANUFACTURER</b>	MUNDO READER, S.L.	
<b>TEST REPORT NUMBER</b>	TSupPhotos_170239-2	
<b>TEST REPORT ISSUE DATE</b>	30/03/2017	
<b>TESTING LABORATORY</b>	Prima Ricerca & Sviluppo S.r.l. Via Campagna, 92 -22020 Faloppio (Co) – Italy FCC test registration number: 421808	
<b>TESTING LOCATION</b>	As Above	
<b>DATE OF TEST SAMPLE RECEIPT</b>	February 2017	
<b>DATE OF TEST</b>	February 2017	
<b>TESTED BY</b>	Giacomo ARMELLINI Responsabile Laboratorio EMC e RADIO/ EMC and RADIO Laboratory Manager	
<b>APPROVED BY</b>	Enrico Banfi 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.  
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## 1. RELEASE CONTROL RECORD

TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
TSupPhotos_170239-0	Original release	27/03/2017
TSupPhotos_170239-1	Editorial Change	30/03/2017
TSupPhotos_170239-2	Editorial Change	30/03/2017

## 2. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

### 2.1 Identification

Trademark:	MUNDO READER
Manufacturer:	MUNDO READER, S.L.
Type of Equipment :	WiFi Radio module
Model name:	BQ410
Serial number :	prototype
FCC ID :	2AKDW-BQ410
Country of manufacturer:	SPAIN

## 2.2 Technical data

<b>Product type:</b>	Radio Equipment
<b>Radio type:</b>	Intentional radiators
<b>Product description / application</b>	The EUT is 2.4GHz WiFi Transceiver
<b>Power supply requirements :</b>	3,7V (powered by demoboard connected to PC USB port)
<b>Operating Frequency range</b>	2400-2483,5MHz
<b>Operating Frequency:</b>	From 2412MHz to 2462MHz
<b>Channel bandwidth</b>	22MHz
<b>Channel spacing</b>	5MHz
<b>Number of Channel</b>	11 (from 1 to 11)
<b>Type of modulation :</b>	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
<b>Transfer Rate:</b>	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 65Mbps
<b>Antenna Type</b>	Integral PCB Printed antenna
<b>Power Control Setting</b>	RF GAIN 21



### 2.3 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	Not present (electronic PCB board only)	Plug-in electronic board
2	AC Power Supply	Not present	---
3	DC power supply	3.7Vdc	Plug-in electronic board
4	Signal lines	Signal line	Plug-in electronic board
5	Telecomm. Lines	Not present	---
6	Antenna port	Not present	---

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

### 2.4 Auxiliary equipment

- Evaluation Board used during the session to power supply the EUT and for channel and mode setting

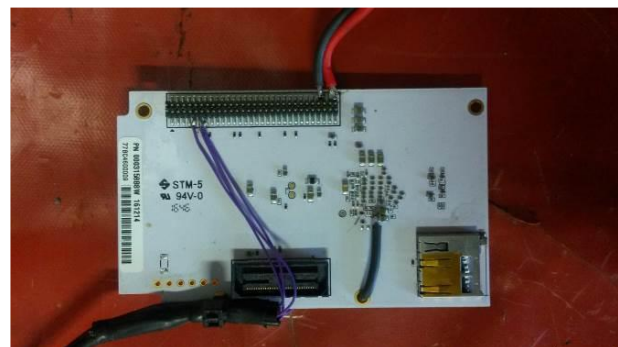


### 3. PHOTOGRAPHIC SECTION

**PHOTO n° 1 – EUT IDENTIFICATION**



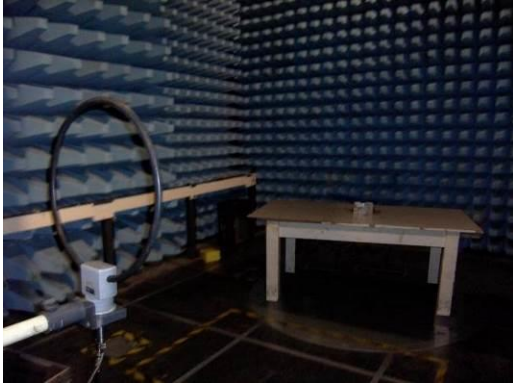
**PHOTO n° 2 – EVALUATION BOARD + EUT**



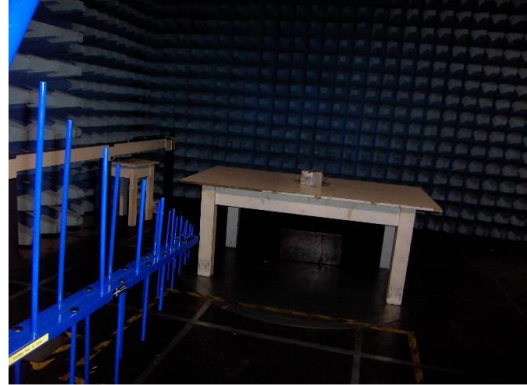


**PHOTO n° 3 – SETUP FOR RADIATED MEASUREMENT**

**9kHz-30MHz**



**30MHz-1GHz**



**1-18GHz**



**18-26GHz**

