

TEST REPORT

Ref. n.	TSupPhotos_FCC185699-0	Issue Date:	26/11/2024	Pages:	8
Test object	<i>Type test according to Standards</i> 47 CFR FCC Part 15 Subpart C §15.247				
Applicant	DATALOGIC S.r.l. Via S. Vitalino 13 - 40012 Lippo Di Calderara Di Reno - Bologna - Italy Phone. +39 051 3147196 Fax +39 051 3147561				
Trade mark					
Manufacturer	DATALOGIC S.r.l.				
Product	Radio module				
Tested model	SIRIUS STAR RADIO, 915MHZ				
FCC Identification number	U4F-SIRIUS915				
Date of test samples receipt	16/10/2024				
No. of tested samples	1 – Sampled by the manufacturer				
Test date	From 29/10/2024 to 12/11/2024				
Testing site	PRSLAB S.r.l. Unipersonale - Via Campagna 92 - 22020 Faloppio - Como - Italy				
FCC designation number	IT0012				
Verifications carried out by	Daniele AOSANI Laboratory Engineer				
Approved by	Luana PARISI Reviewer				

The test results reported in this test report shall refer only to the samples tested.

The sample has been provided by the customer and the results apply to the sample as received.

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PRS refuses any responsibility about information provided by the customer contained in this test report.

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0. RELEASE CONTROL RECORD

TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
TSupPhotos_FCC185699-0	Original release	26/11/2024

This document is valid in last revision that deletes and replaces the previous one

1. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

1.1 EUT Identification

DESCRIPTION	Radio module
MODEL NAME	SIRIUS STAR RADIO, 915MHZ
FCC ID	U4F- SIRIUS915
SERIAL NO.	B24PAAFEY00001040
PRS LAB INTERNAL REFERENCE	BC 267/2024 3/15
TRADEMARK	
MANUFACTURER	DATALOGIC S.r.l.
COUNTRY OF MANUFACTURER	Italy
SINGLE UNIT OR SYSTEM	Single
POWER SOURCE	DC power from board
SUPPLY VOLTAGE	3.0 ÷ 3.6Vdc, Typical 3.3Vdc
OPERATING TEMPERATURE	-30°C ÷ +85°C
HARDWARE VERSION (Information provided by Customer)	A
FIRMWARE VERSION (Information provided by Customer)	A
DIMENSIONS	See photographic documentation
EUT STANDING	☒ WALL; ☐ CEILING; ☒ TABLE; ☐ FLOOR; ☐ RACK MOUNTED; ☐ BODY WORN; ☒ HANDELD; ☐ PORTABLE; ☐ MOBILE
HIGHEST INTERNAL FREQUENCY (Information provided by Customer)	☐ <108MHz; ☐ 108MHz<F<500MHz; ☒ 500MHz<F<1GHz; ☐ F>1GHz; F = 926.936MHz

1.2 Radio module technical data

ETS CATEGORY	Hybrid System device (DSS) - Transceiver
FREQUENCY BAND	From 902MHz to 928MHz
NUMBER OF CHANNELS	12
CHANNEL OCCUPIED BANDWIDTH	1.16MHz
CHANNEL SPACING	2.117MHz
TYPE OF MODULATION	NRZ
DATA RATE	500000 bit/s
ANTENNA TYPE (Information provided by Customer)	Flexible antenna with cable
ANTENNA GAIN (Information provided by Customer)	SRFI068H-100 with peak gain of 0.2dBi
ANTENNA MODEL (Information provided by Customer)	SRFI068V-100 with peak gain of 0.7dBi
ANTENNA MANUFACTURER (Information provided by Customer)	

2. PHOTOGRAPHIC DOCUMENTATION

PHOTO N° 1 - EUT IDENTIFICATION

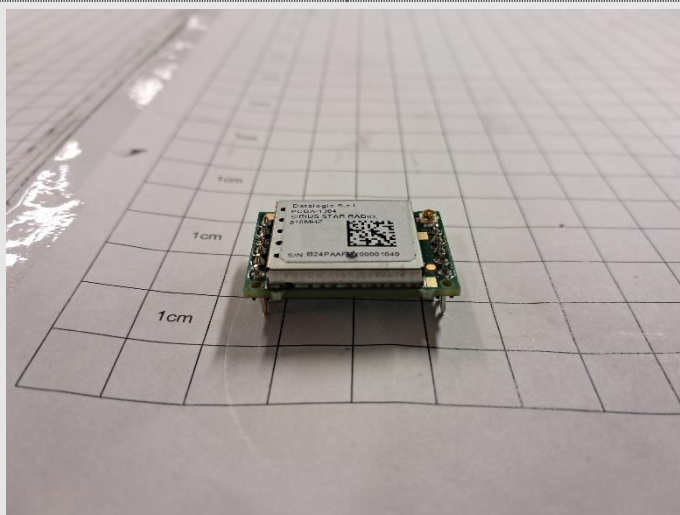
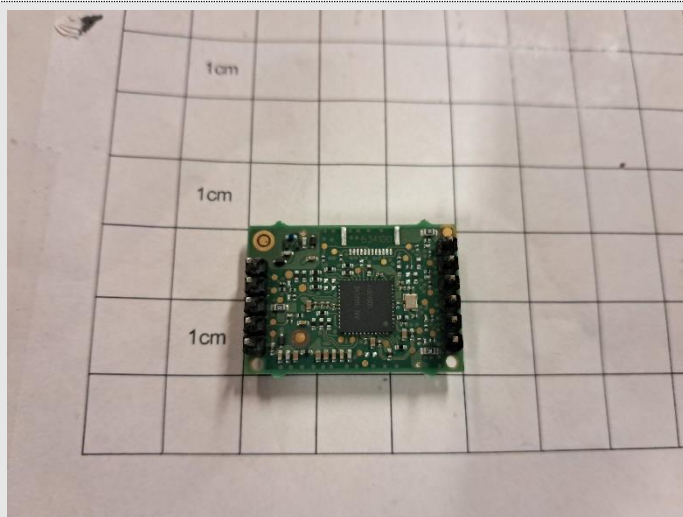
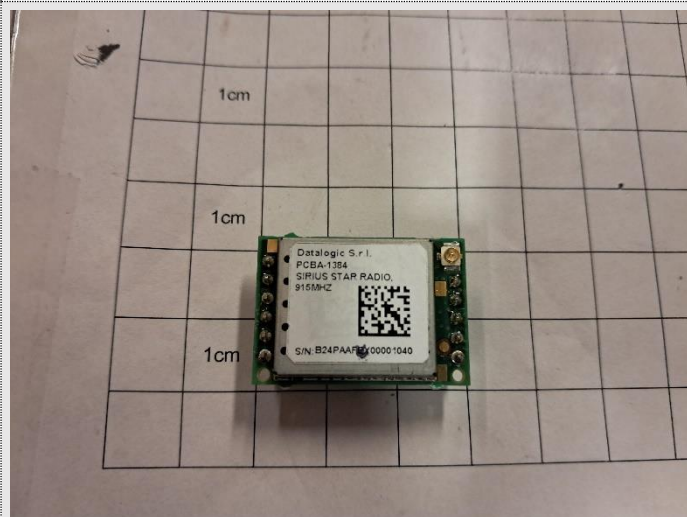


PHOTO N° 2 - AUXILIARY IDENTIFICATION

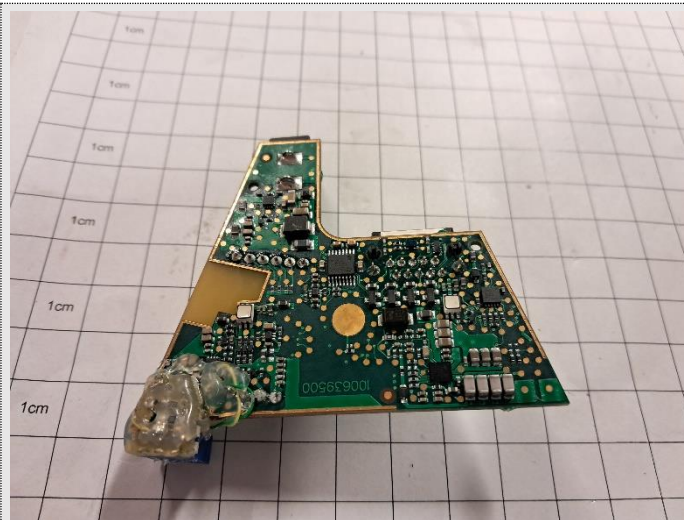
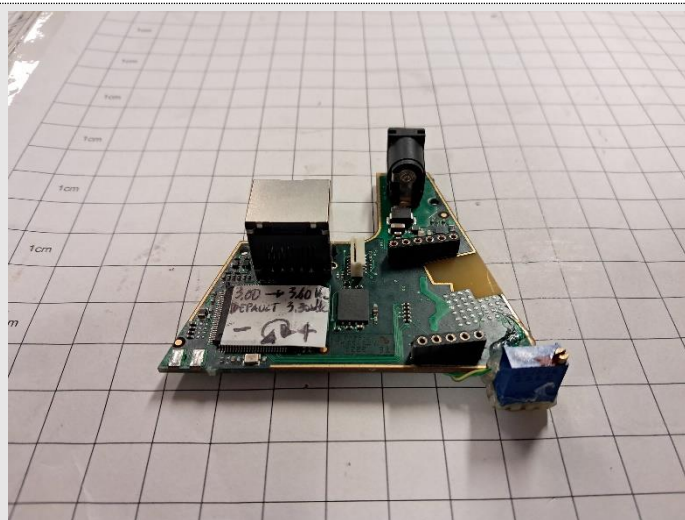
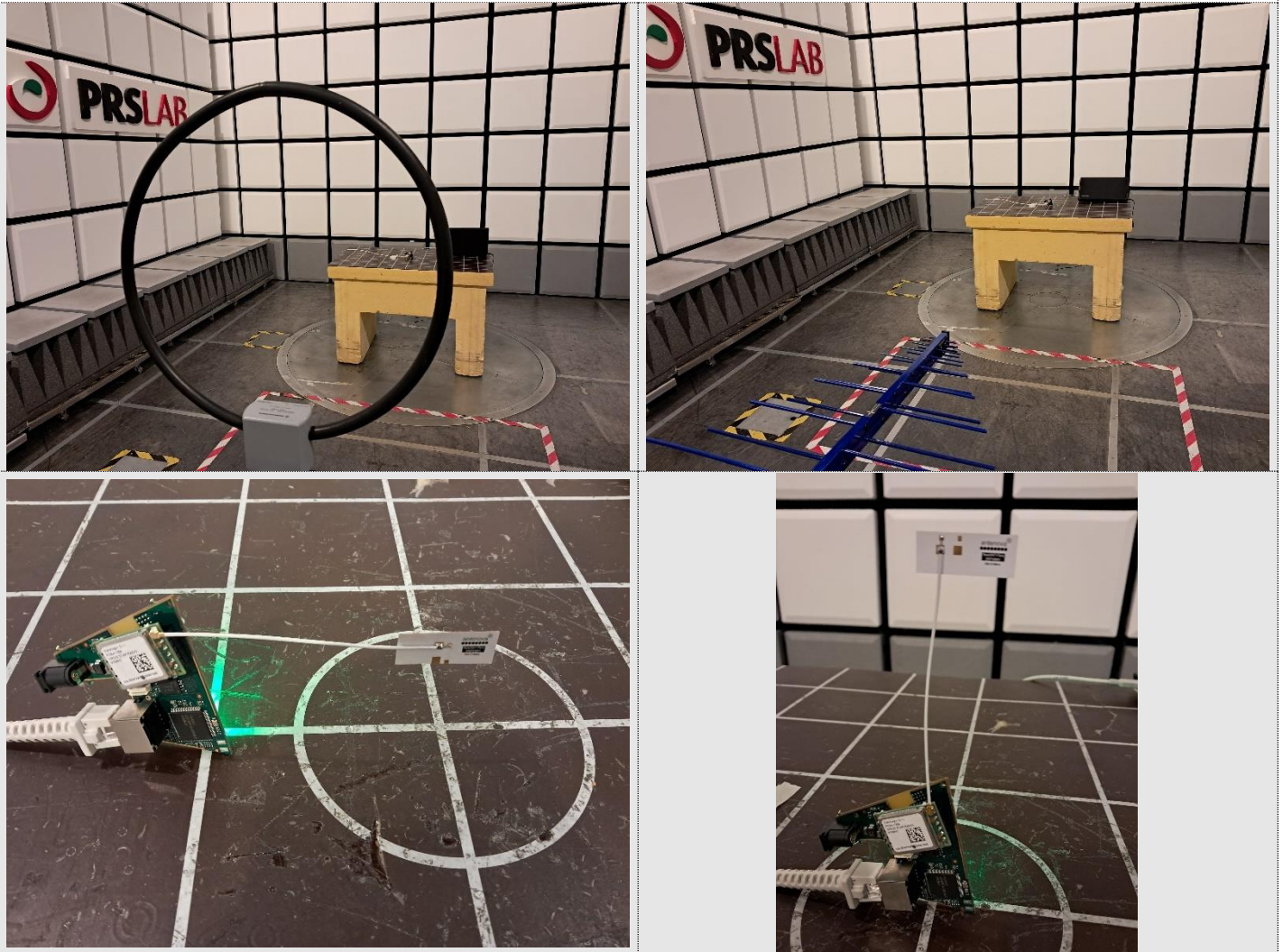


PHOTO N° 3 - RADIATED EMISSION TEST SETUP



END OF TEST REPORT