

TEST REPORT

Ref. n.	TSupPhotos_FCC187783-1	Issue Date:	09/07/2026	Pages:	8
Test object	<i>Type test according to Standards</i> 47 CFR FCC Part 15 Subpart C §15.249				
Applicant	Datamars SA Via Industria 16 - 6184 Lamone - Switzerland				
Trade mark					
Manufacturer	Datamars SA				
Product	Active collar TAG				
Tested model	COLLARTAG-1				
FCC Identification number	NDX-COLLARTAG				
Date of test samples receipt	12/05/2026				
No. of tested samples	1 – Sampled by the Manufacturer				
Test date	From 12/05/2026 to 27/05/2026				
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_FCC187783-0	Original release	23/06/2026
TSupPhotos_FCC187783-1	Correct antenna gain	09/07/2026

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	Active collar TAG
MODEL NAME	COLLARTAG-1
FCC ID	NDX-COLLARTAG
NODE ID	17435
PRS LAB INTERNAL REFERENCE	BC 128/2026 1/14
TRADEMARK	
MANUFACTURER	Datamars SA
COUNTRY OF MANUFACTURER	Switzerland
SINGLE UNIT OR SYSTEM	Single
POWER SOURCE	Internal battery model LS14500 manufactured by SAFT
POWER SUPPLY NOMINAL VOLTAGE	3.6Vdc
MAX ABSORBED CURRENT OR MAX POWER	NA
OPERATING TEMPERATURE	-10°C ÷ +55°C
FIRMWARE VERSION (Information provided by Customer)	2.6.8
HARDWARE VERSION (Information provided by Customer)	V1.1.1 (HW21)
DIMENSIONS	See photographic documentation
EUT STANDING	☐ WALL; ☐ CEILING; ☐ TABLE; ☐ FLOOR; ☐ RACK MOUNTED; ☐ BODY WORN; ☐ HANDELD; ☐ PORTABLE; ☐ MOBILE; ☐ VEHICLE; ☒ LIVESTOCK
HIGHEST INTERNAL FREQUENCY (Information provided by Customer)	☐ <108MHz; ☐ 108MHz<F<500MHz; ☐ 500MHz<F<1GHz; ☒ F>1GHz
ANCILLARY EQUIPMENT	☐ YES; ☒ NO
ENVIROMENT (According to ETSI EN 301 489-1 V2.2.3)	☐ FIXED-USE; ☐ VEHICLE USE; ☒ PORTABLE USE

1.2 Radio module technical data

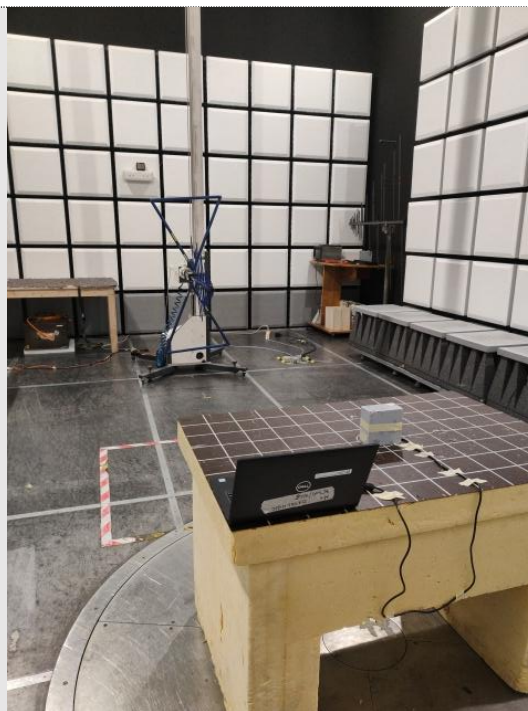
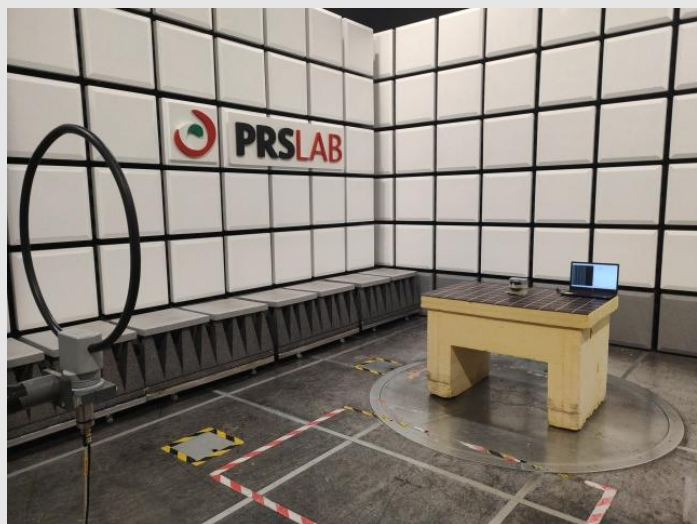
CHIP MANUFACTURER	 SEMTECH®
MODEL NAME	SX1280
ETS CATEGORY	Short Range Device
TYPE OF RADIO DEVICE	TX only
FREQUENCY BAND	2402 ÷ 2480MHz
NUMBER OF CHANNELS	40
CHANNEL BANDWIDTH	1.2MHz
CHANNEL SPACING	2MHz
TYPE OF MODULATION	GFSK
TRANSFER RATE	2 Mbps
ANTENNA TYPE (Information provided by Customer)	PCB Antenna
ANTENNA GAIN (Information provided by Customer)	0dBi

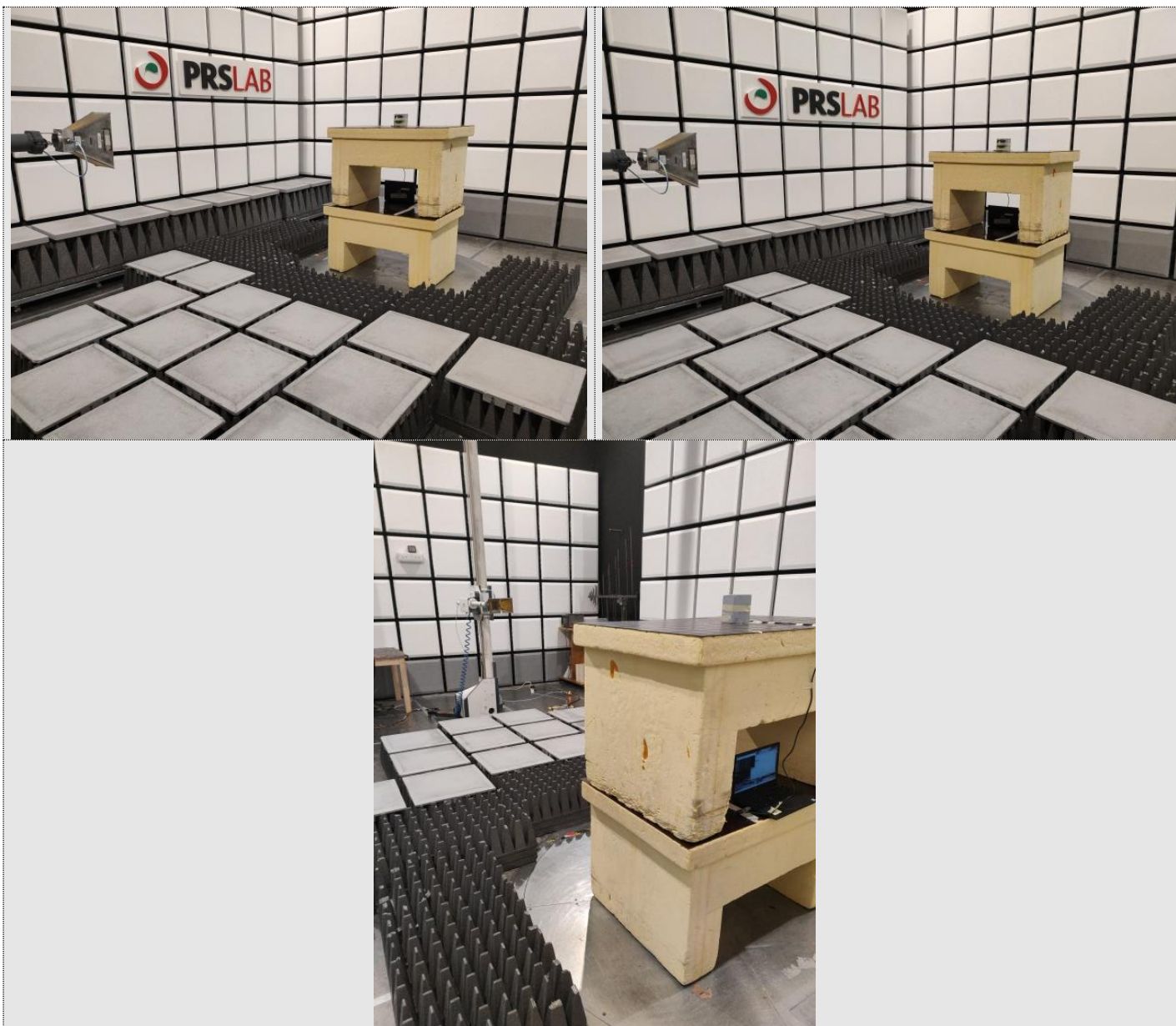
2. PHOTOGRAPHIC DOCUMENTATION

PHOTO N°1 - EUT IDENTIFICATION



PHOTO N°2 - RADIATED EMISSION TEST SETUP





END OF TEST REPORT