

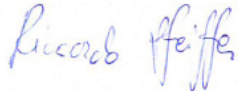


TEST SETUP PHOTO DOCUMENT

APPLICANT:	Paradox Engineering SA Via Passeggiata 7 – 6883 Novazzano – CH Tel.: +41912330100	
EUT DESCRIPTION	PE IoT Engine - Sub 1-GHz IPv6/6LoWPAN communication module, radio module	
EUT MODEL & TYPE	NDWM005 US (PRD-CMD-0002)	
FCC ID:	2AKPQNDWM005	
EUT TRADEMARK	 <i>Passion to Create Value through Difference</i>	
MANUFACTURER	MinabeaMitsumi Inc. 3-9-6 Mita, Minato-ku, Tokyo 108-8330 Tel.: 81-3-6758-6711	
REFERENCE STANDARDS	47 CFR FCC part 15.247	
TEST REPORT NUMBER	TSupPhotos_FCC178784-0	
TEST REPORT ISSUE DATE	21/12/2020	
TESTING LABORATORY	PRSLAB, Via Campagna 92 - ITALY - 22020 Faloppio CO FCC test registration number: IT0012	
TESTING LOCATION	As Above	
DATE OF TEST SAMPLE RECEIPT	02/11/2020	
DATE OF TEST	From 02/11/2020 to 30/11/2020	
TESTED BY	Daniele AOSANI Tecnico Laboratorio EMC & RADIO / EMC & RADIO Laboratory Technician	
APPROVED BY	Riccardo PFEIFFER Responsabile Laboratorio EMC & RADIO / EMC & RADIO 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
3. PHOTOGRAPHIC SECTION.....	4

1. RELEASE CONTROL RECORD

TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
TSupPhotos_FCC178784-0	Original release	21/12/2020

2. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

2.1 Identification

DESCRIPTION	PE IoT Engine - Sub 1-GHz IPv6/6LoWPAN communication module, radio module
MODEL NAME	NDWM005 US (PRD-CMD-0002)
SN	Prototype
PRS LAB INTERNAL REFERENCE	BC 313/2020 1/5 BC 313/2020 2/5
TRADEMARK	
MANUFACTURER	MinebeaMitsumi Inc.
COUNTRY OF MANUFACTURER	Japan
SINGLE UNIT OR SYSTEM	Single
POWER SOURCE	DC power USB port
SUPPLY VOLTAGE	From 2 Vdc (Low Power Mode) to 5 Vdc
MAX POWER or MAX ABSORBED CURRENT	31 mA
HW VERSION	ELB-PED-0146-07
SW VERSION	FW 3.14.0 PHY 1.3.11 NET 1.1.10 RADIO TEST 1.1.6 SPIRIT2 1.2.0
OPERATING TEMPERATURE	-40°C ~ +70°C
DIMENSIONS	47x37x14 mm (LxWxH)
EUT STANDING	---

3. PHOTOGRAPHIC SECTION

PHOTO N° 1 – EUT IDENTIFICATION

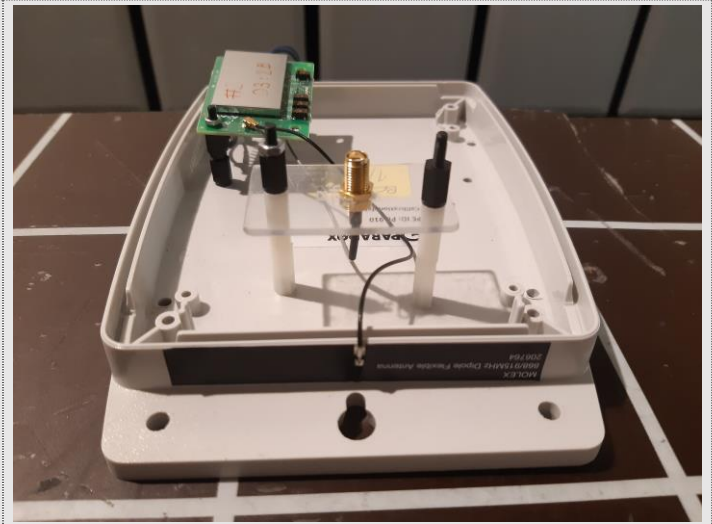
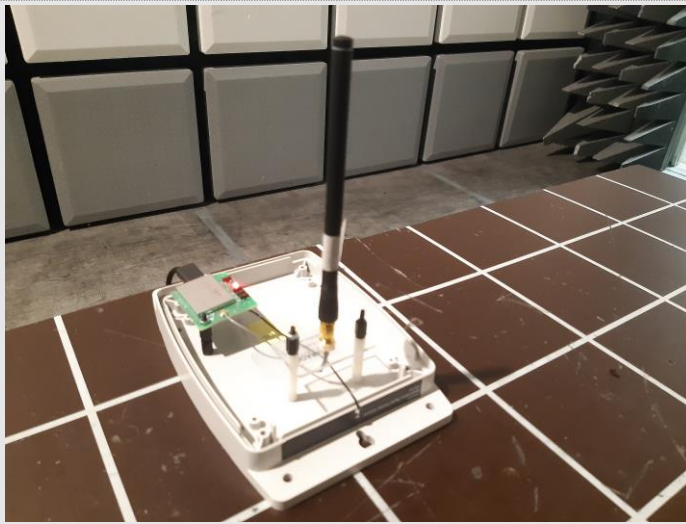
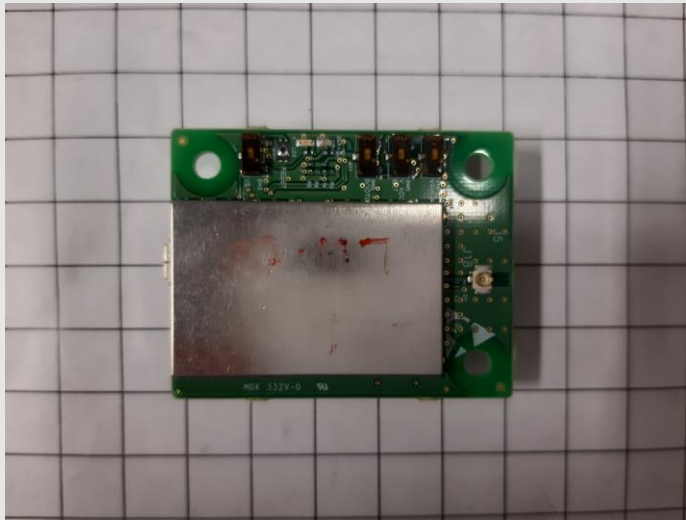




PHOTO N° 2 – SETUP FOR TEST

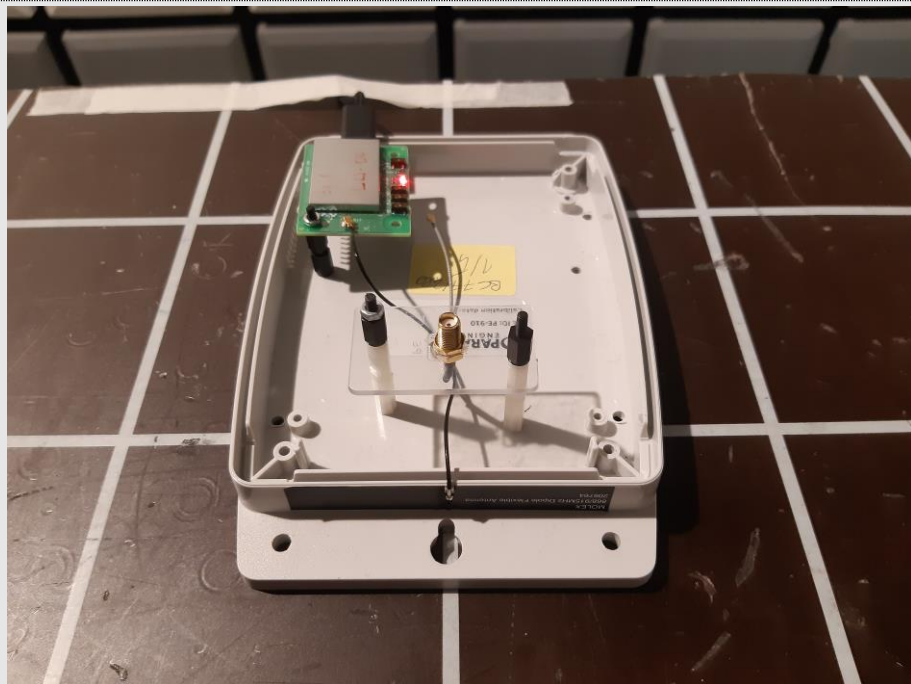
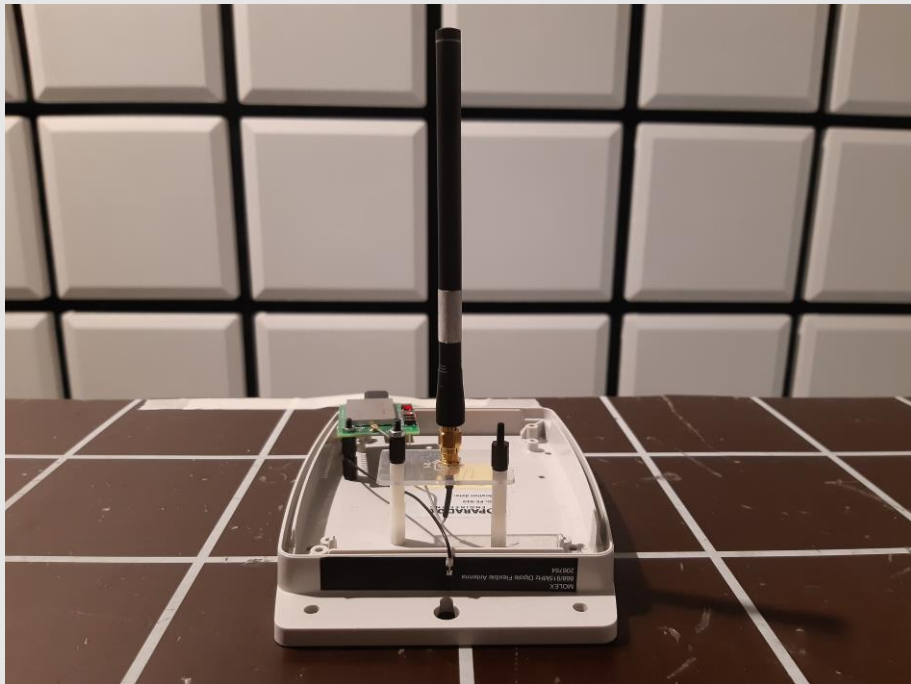


PHOTO N° 3 – SETUP FOR RADIATED EMISSIONS 30MHz – 1GHz



PHOTO N° 4 – SETUP FOR CONDUCTED EMISSIONS 150kHz – 30MHz

