

RAPPORTO DI PROVA

TEST REPORT

Rif. / Ref. n.	TSupPhotos_174134-0	Data / Date:	06/09/2018	Pagine / Pages:	6
Scopo delle prove Test object	Prove di tipo in accordo alla Norma Type test according to standards 47 CFR FCC part 15.247				
Richiedente Applicant	Paradox Engineering SA Via Passeggiata 7 – 6883 Novazzano – CH Tel.: +41912330100				
Marchio commerciale Trade mark					
Fabbricante Manufacturer	MinabeaMitsumi Inc. 3-9-6 Mita, Minato-ku, Tokyo 108-8330 Tel.: 81-3-6758-6711				
Prodotto Product	Gateway for wireless IoT integrated network solution for smart urban networks				
Modello testato Testing model	AR41004 US (PE Smart Gateway Neptune US)				
Identificativo FCC FCC ID	2AKPQAR41004				
Data ricevimento campioni Date of test samples receipt	10/07/2018				
Campioni verificati No. of tested samples	1 – Sample by the applicant				
Data verifiche Testing date	10-23/07/2018				
Sito di prova Testing site	PRSLAB S.r.l. Unipersonale - Via Campagna 92 - 22020 Faloppio - Como - Italy				
Esito delle valutazioni Assessment results	CONFORME / COMPLIANT				
Verifiche effettuate da Verifications carried out by	Daniele AOSANI Tecnico laboratorio EMC & RADIO EMC & RADIO Test Engineer				
Approvato Approved by	Riccardo PFEIFFER Responsabile laboratori EMC & RADIO EMC & RADIO Laboratory manager				

I risultati delle prove riportati nel presente rapporto di prova si riferiscono solo ai campioni esaminati.

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

Questo Report non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Laboratorio

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0. RELEASE CONTROL RECORD


TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
TSupPhotos_174134-0	Original Release	06/09/2018

1. TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

1.1 EUT Identification

DESCRIPTION	Gateway for wireless IoT integrated network solution for smart urban networks
MODEL NAME	AR41004 US (PE Smart Gateway Neptune US)
SERIAL NO.	Prototype
TRADEMARK	 <i>Passion to Create Value through Difference</i>
MANUFACTURER	MinabeaMitsumi Inc.
COUNTRY OF MANUFACTURER	Japan
SINGLE UNIT OR SYSTEM	Single
POWER SOURCE	AC mains
SUPPLY VOLTAGE	115Vac ~ 60Hz
MAX POWER or ABSORBED CURRENT	80-130mA
OPERATING TEMPERATURE	-25°C ~ +50°C
DIMENSIONS	269mm x 239mm x 82mm
EUT STANDING	Fixed (Pole mounting)

1.1 RADIO module technical data

RADIO PROTOCOL	802.15.4g – 6LoWPAN
WORKING FREQUENCY BAND	902.42 – 927.58MHz
CHANNELS	75
CHANNEL SPACING	340kHz
TRANSFER RATE	100kbps
TYPE OF MODULATION	GFSK
SENSITIVITY	-99dBm
ANTENNA	Outdoor Rubber Antenna
ANTENNA GAIN	2.15dBi
ANTENNA TYPE	MEGWX-1551SAAX-920
ANTENNA MANUFACTURER	

2. PHOTOGRAPHIC SECTION

PHOTO N° 1 - EUT IDENTIFICATION

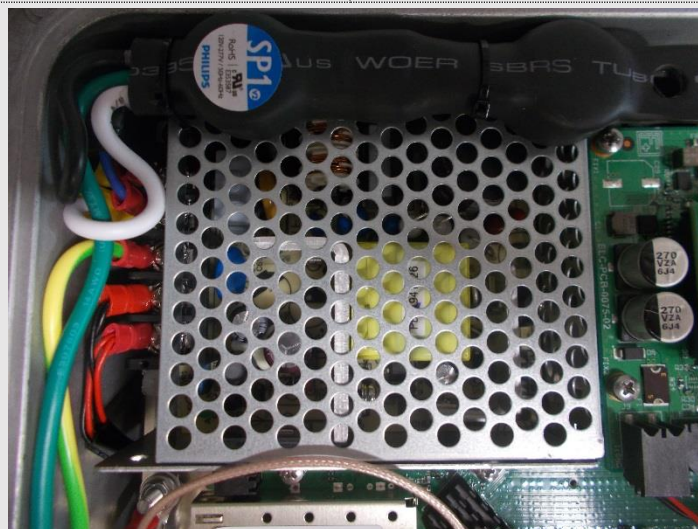
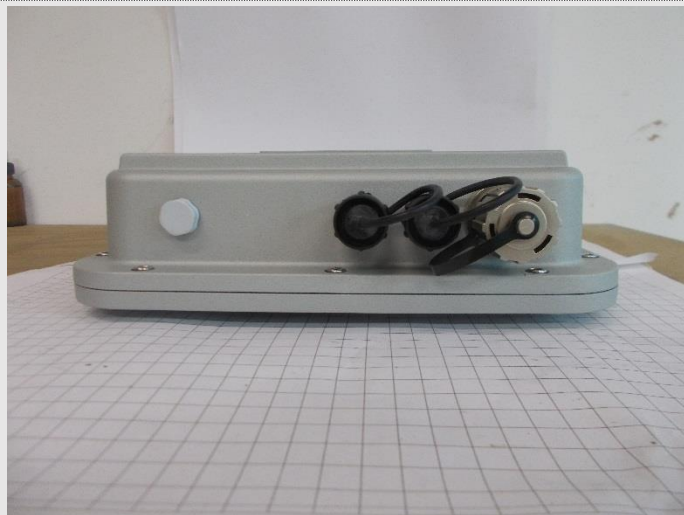
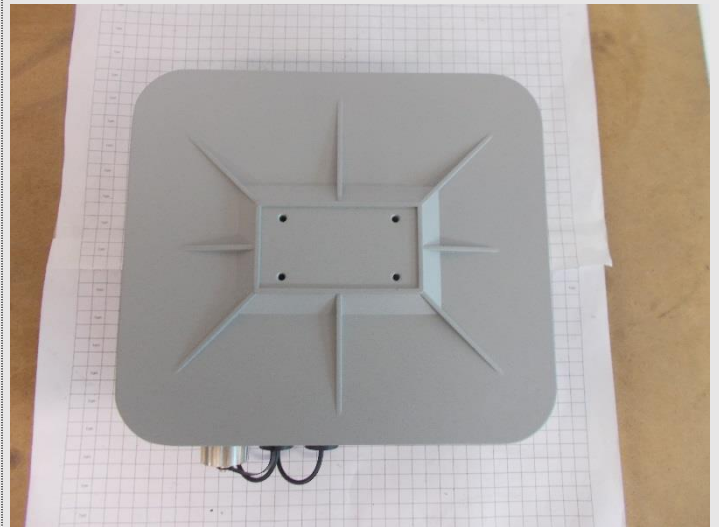


PHOTO N° 2 – RADIATED SETUP

