FCC/ISED Test Setup Photos

For:
Praesidium Inc.

Model Name:
2002BIO1

Product Description:
Contactless vital sign detection sensor

FCC ID: 2A7ZX2002BIO1
IC ID: 28837-2002BIO1

Applied Rules and Standards:
47 CFR Part 15.255
RSS-210 Issue 10

Addition to REPORT #: EMC_PRAES-002-23001_15.255

DATE: 2023-03-30

***CETECOM* Inc.**
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CETECOM Inc. is a Delaware Corporation with Corporation number: 2905571

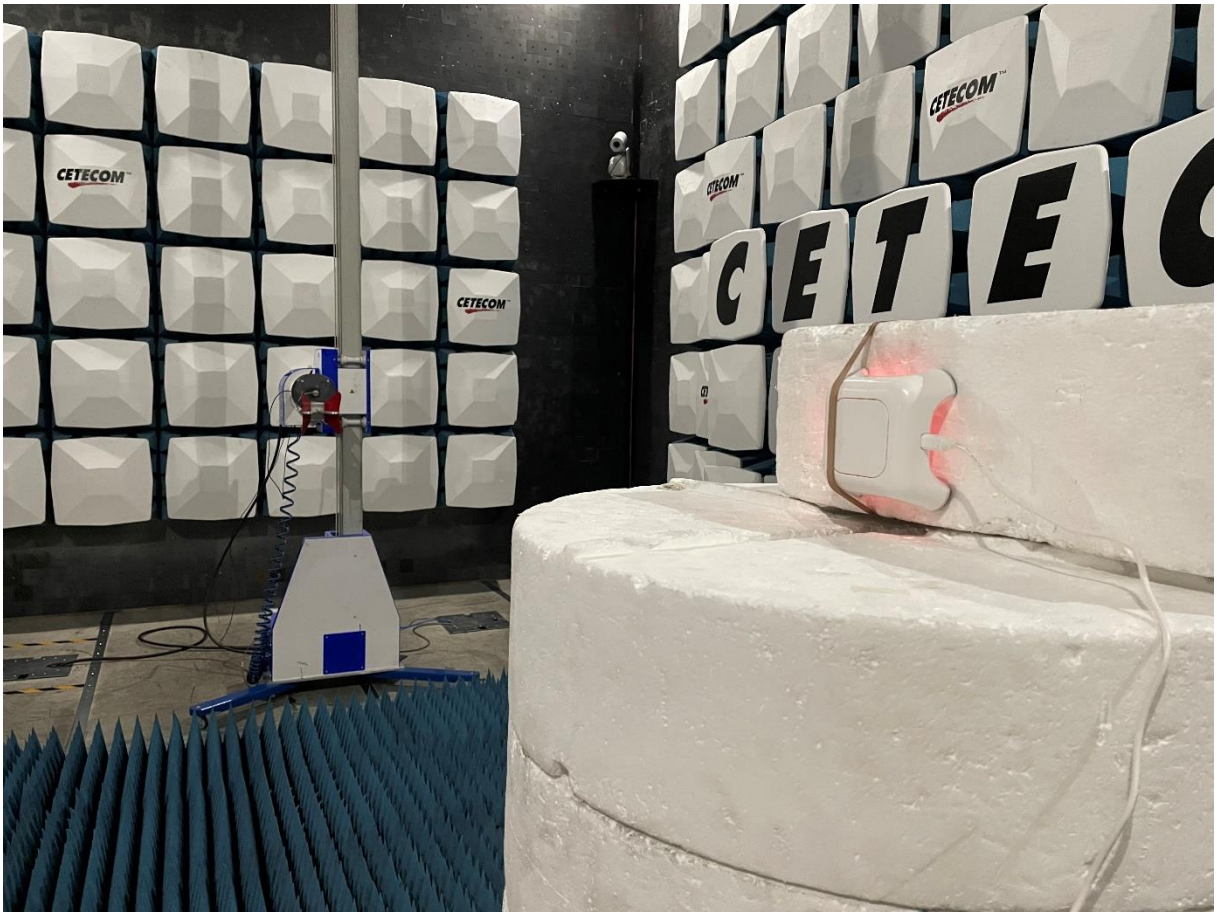
Radiated Measurements

9 KHz to 30 MHz

30 MHz to 1 GHz

1 GHz to 3 GHz

3 GHz to 18 GHz

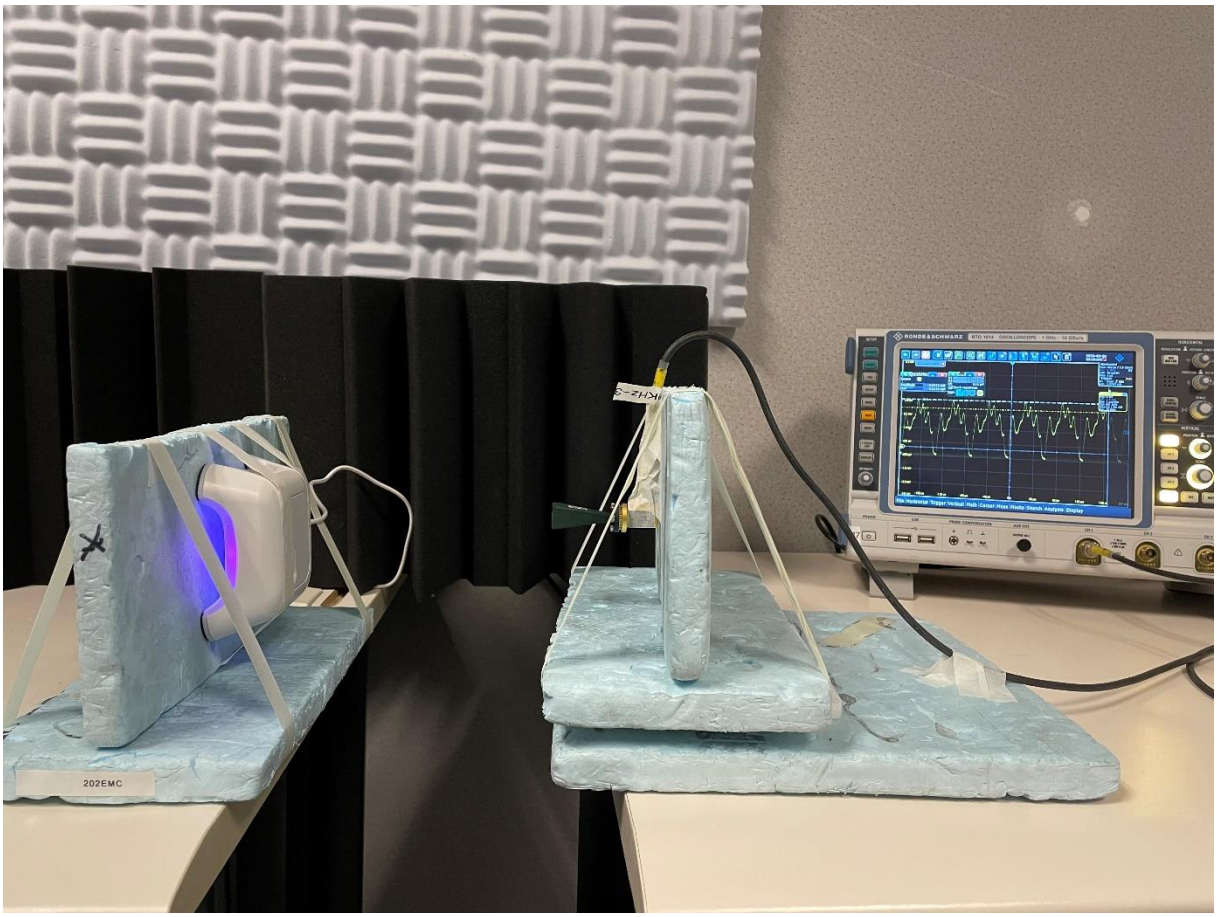


18 GHz to 40 GHz

40 GHz to 220 GHz

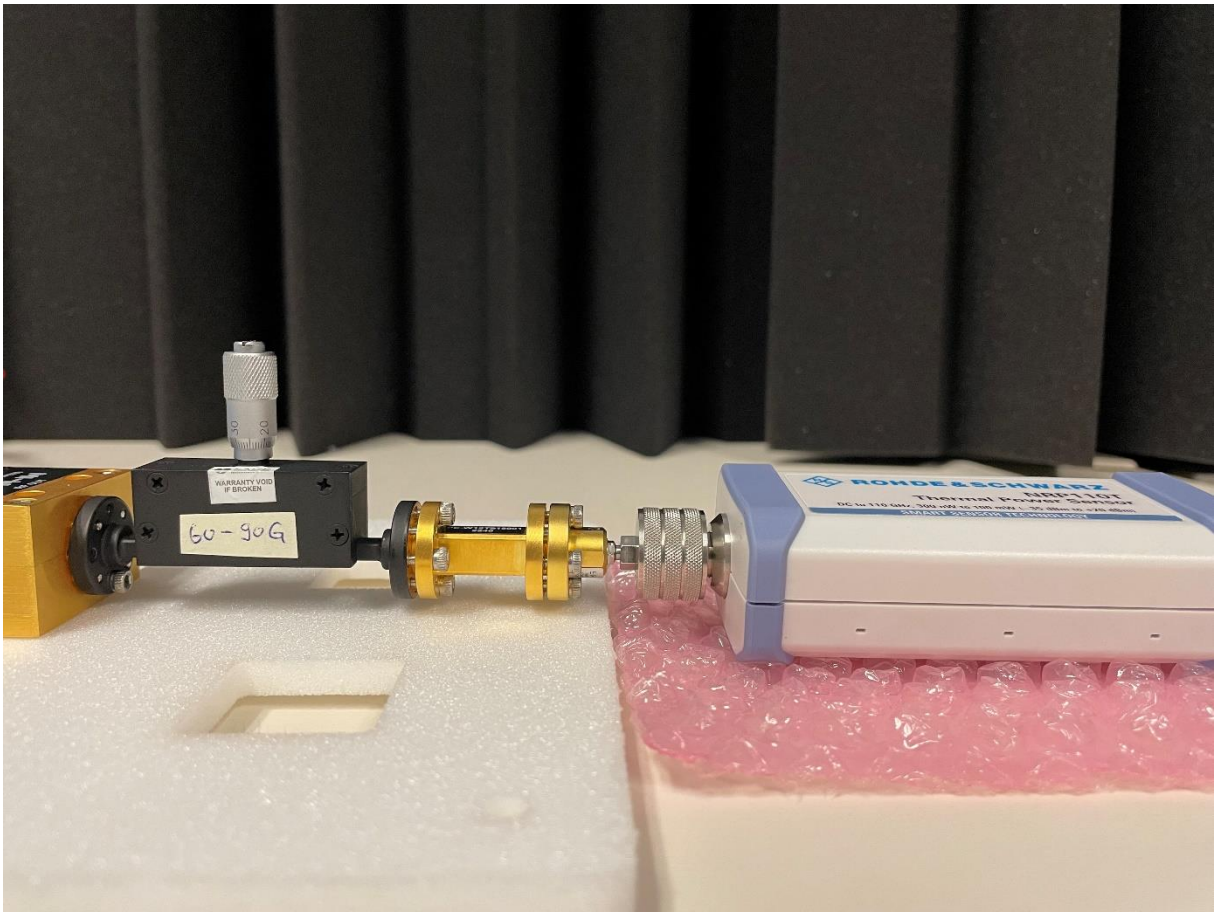
EIRP and conducted output power measurement

Step 1: measuring the main beam of the EUT with RF detector and DSO.



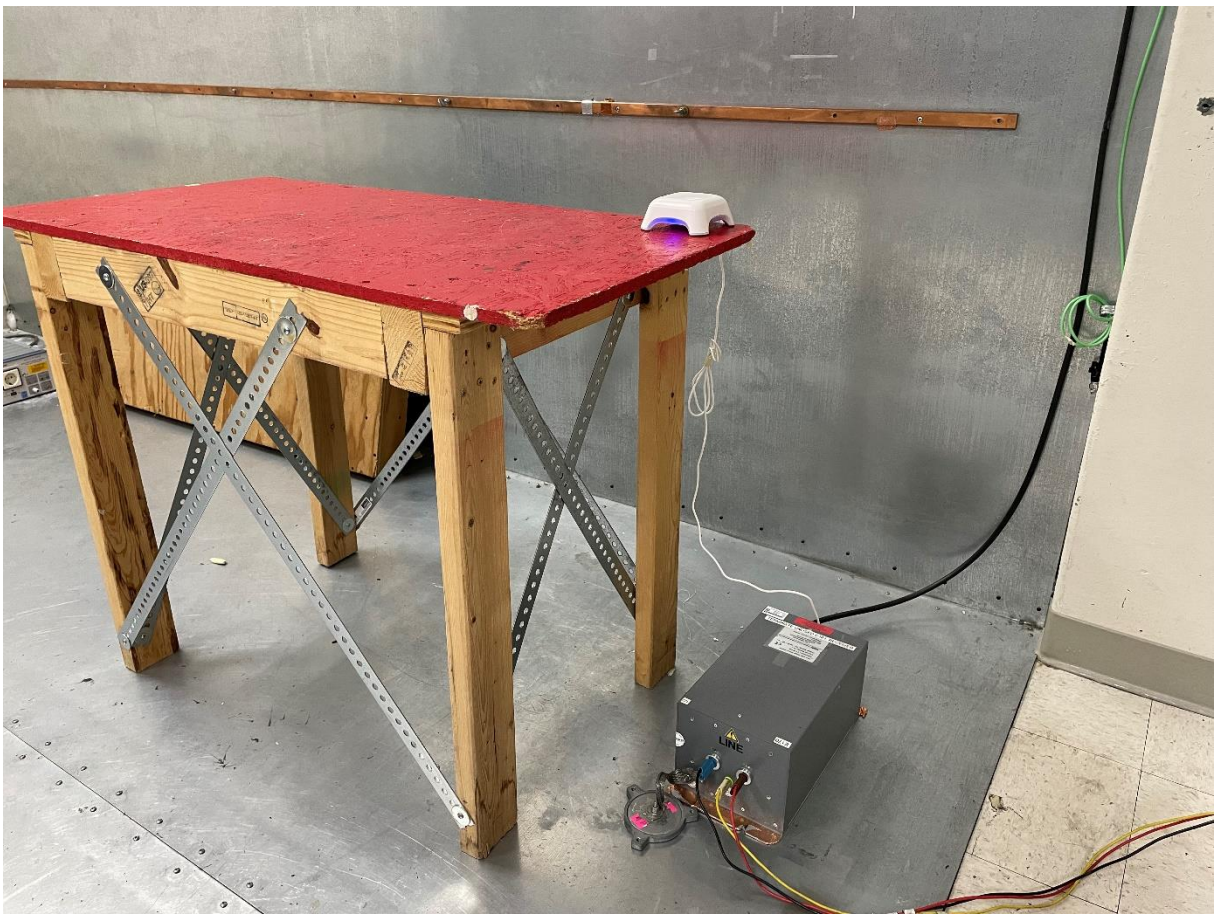
Step 2: substitute the EUT with a known signal source including signal generator, frequency multiplier, variable attenuator and horn antenna. The output level is adjusted to the same level measured at the EUT in step 1.

Step 3: Measure the output level of the known signal source without any change. The measurement is done in the conducted way with a power meter with a thermocouple detector.

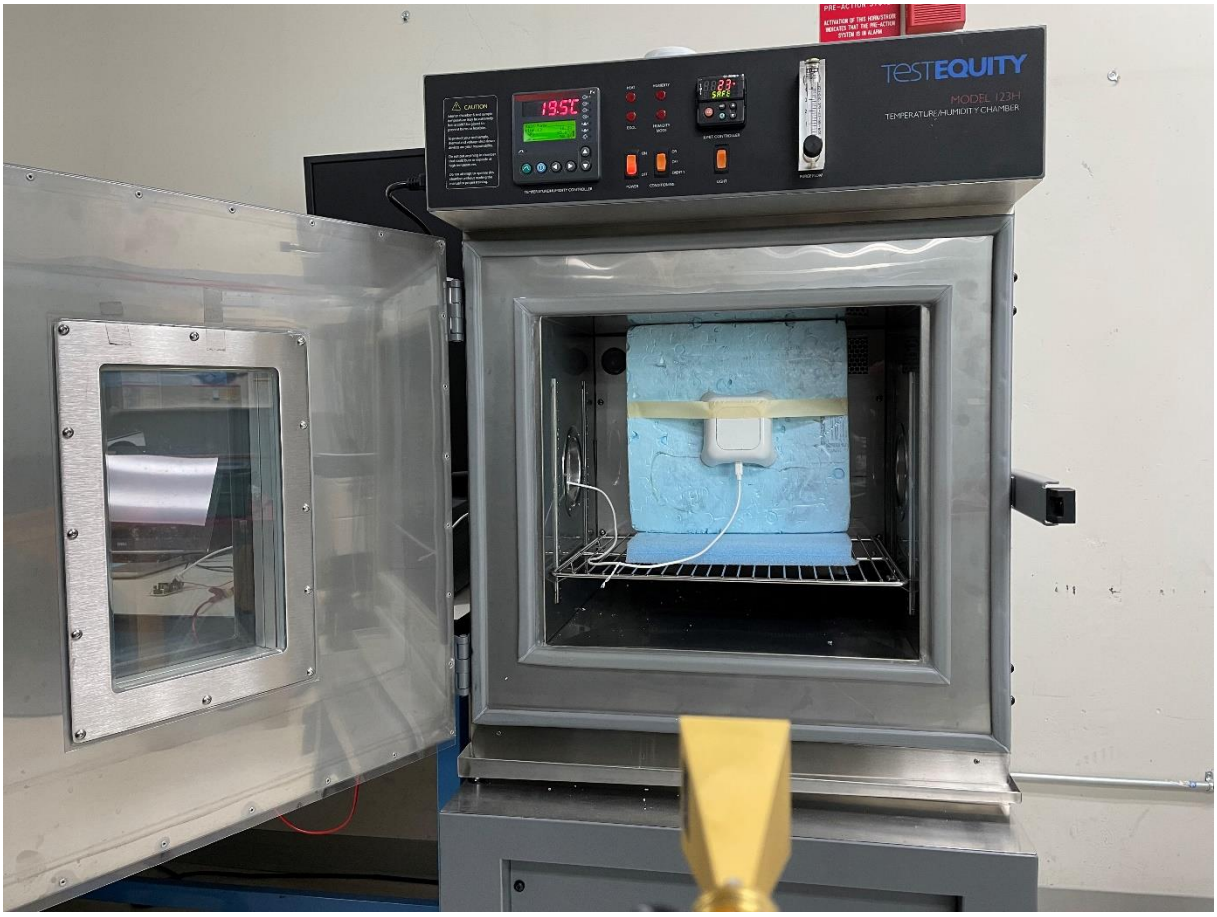


AC line conducted emission

150 KHz to 30 MHz with charger



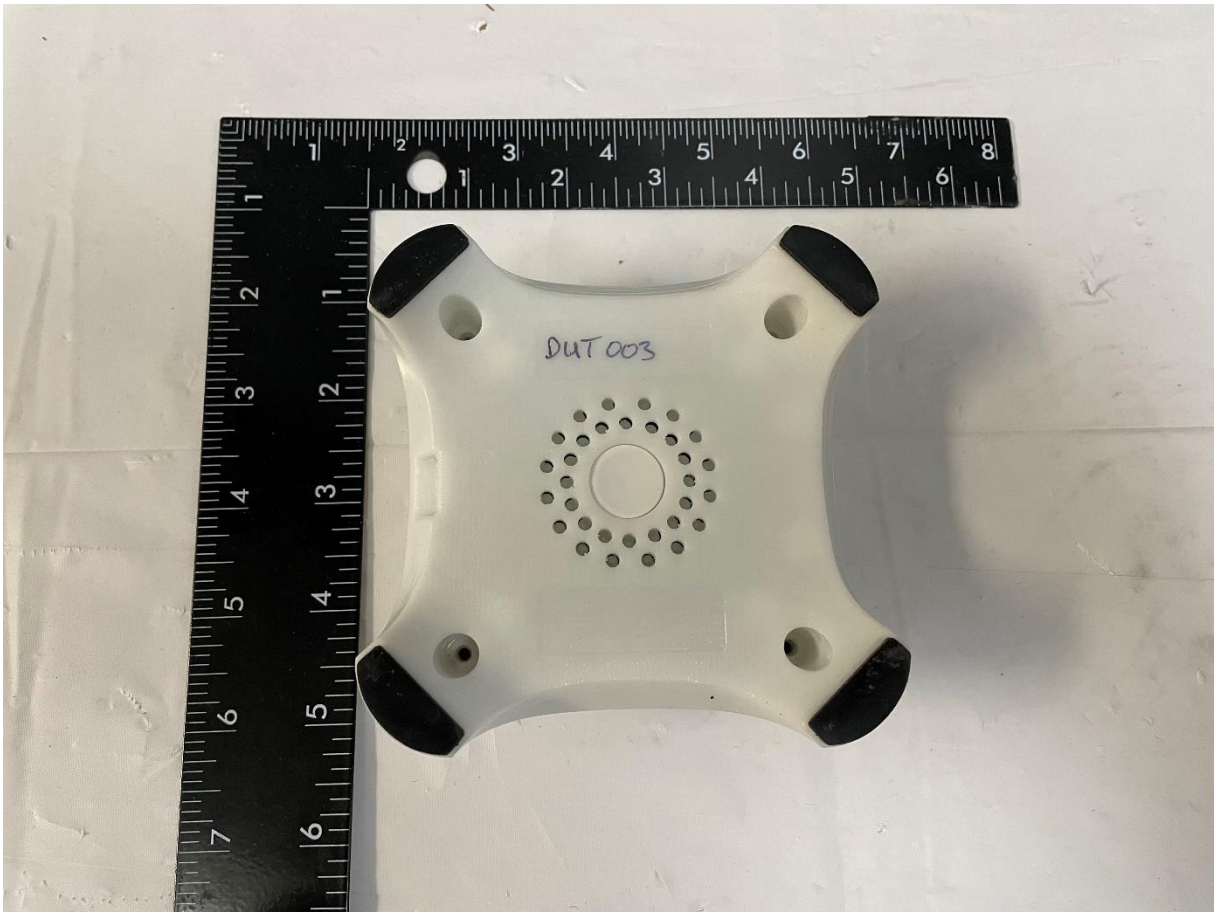
Frequency stability test under extreme conditions



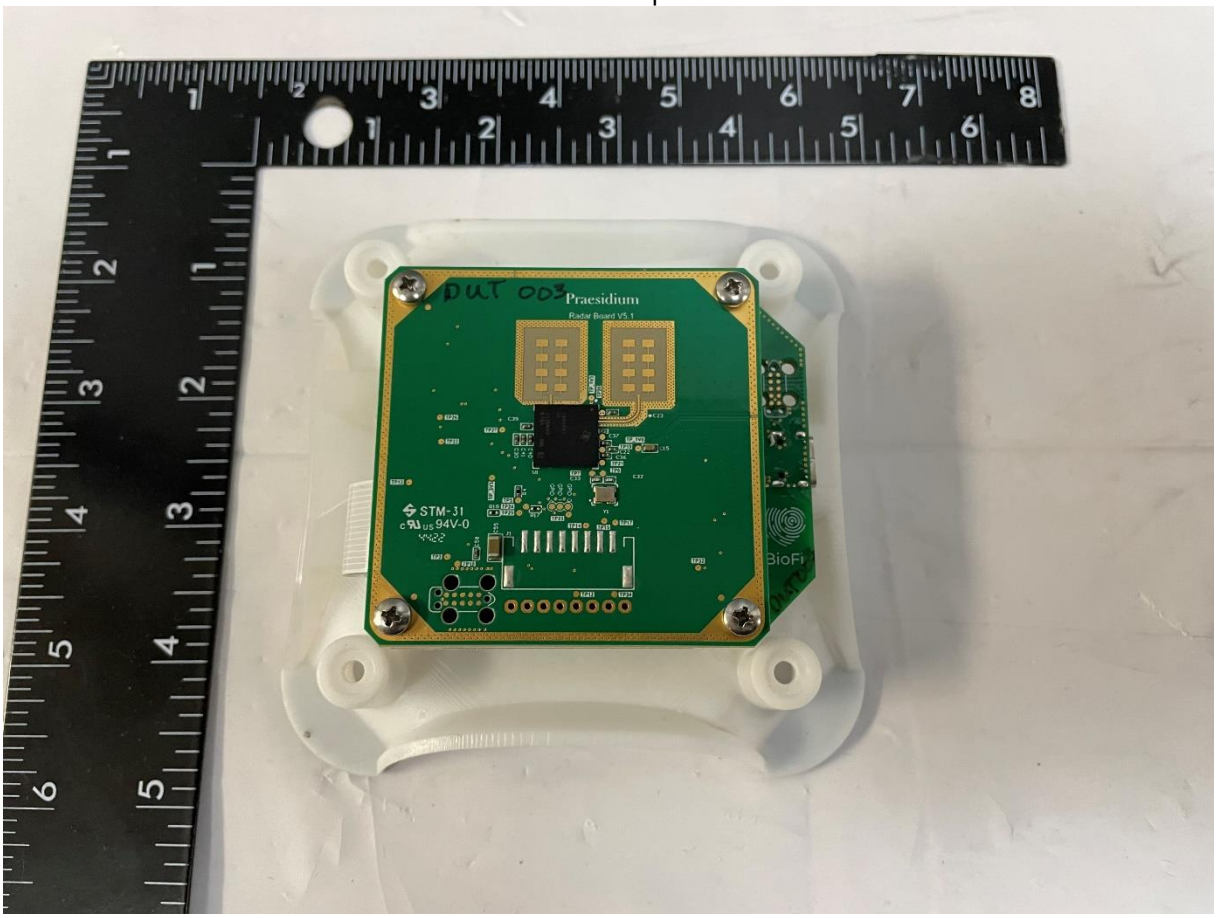
EUT Photos

EUT Top View

EUT bottom View



EUT internal photo



AE (charger)


Switching Power Supply
LISTED LPS
E480515
I.T.E. POWER SUPPLY
MADE IN CHINA

Date	Changes to report	Prepared by
2023-03-30	initial version	Huang, Guangcheng

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