



# **CERTIFICATION TEST REPORT**

**Report Number. :** R12809879-EP1

**Applicant :** Tosibox Oy  
Teknologiantie 12A  
90590 OULU  
FINLAND

**Model :** Lock 150

**FCC ID :** 2AHCN-LOCK150

**IC :** 25009-LOCK150

**EUT Description :** Remote access device with wireless router functionality

**Test Standard(s) :** FCC 47 CFR PART 15 SUBPART C  
ISED RSS-247 ISSUE 2  
ISED RSS-GEN ISSUE 5

**Date Of Issue:**

2019-05-30

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## REPORT REVISION HISTORY

| Rev. | Issue Date | Revisions     | Revised By |
|------|------------|---------------|------------|
| V1   | -          | Initial Issue | -          |

|   |          |
|---|----------|
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## 1. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

| Support Equipment List |              |         |                       |        |
|------------------------|--------------|---------|-----------------------|--------|
| Description            | Manufacturer | Model   | Serial Number         | FCC ID |
| Laptop                 | Lenovo       | T430    | PB-C346V              | N/A    |
| Laptop Charger         | Lenovo       | 45N0119 | 11S45N019Z1ZHXT161K5D | N/A    |

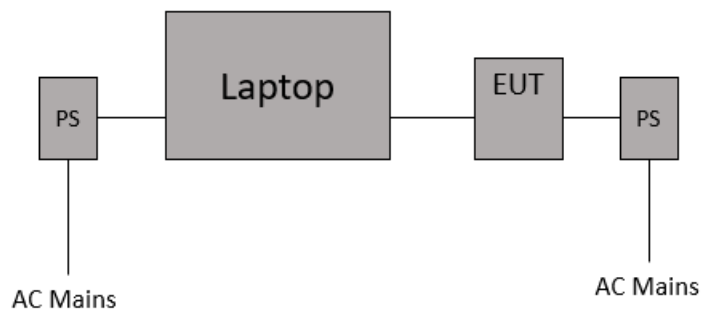
### I/O CABLES

| I/O Cable List |          |                      |                |                 |                  |         |
|----------------|----------|----------------------|----------------|-----------------|------------------|---------|
| Cable No.      | Port     | # of Identical Ports | Connector Type | Cable Type      | Cable Length (m) | Remarks |
| 1              | Ethernet | 5                    | Ethernet       | Unshielded      | <3m              | None    |
| 2              | USB      | 1                    | USB            | USB Flash Drive |                  | None    |
| 3              | Power    | 1                    | Barrel         | Power           | <3m              | None    |

### TEST SETUP

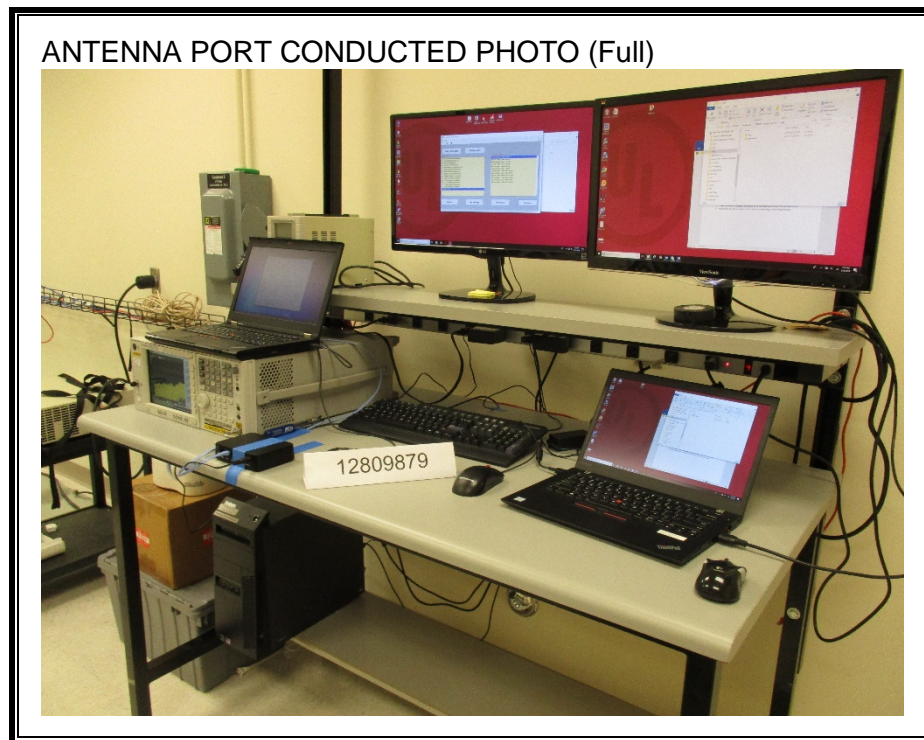
The EUT is stand alone equipment. Test software exercised the radio.

### SETUP DIAGRAM



## 2. SETUP PHOTOS

### RF CONDUCTED MEASUREMENT AT ANTENNA PORT

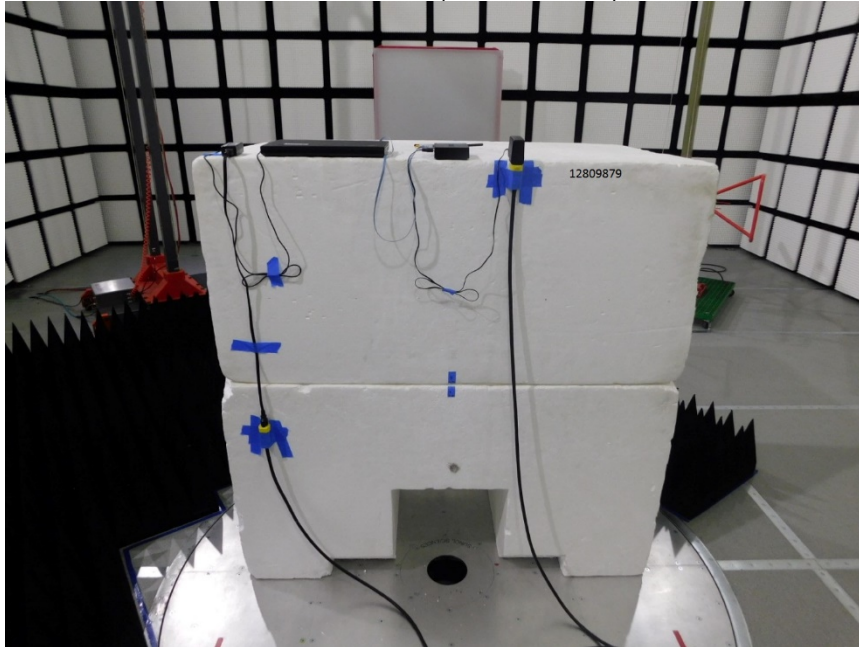


ANTENNA PORT CONDUCTED PHOTO (Close Up)

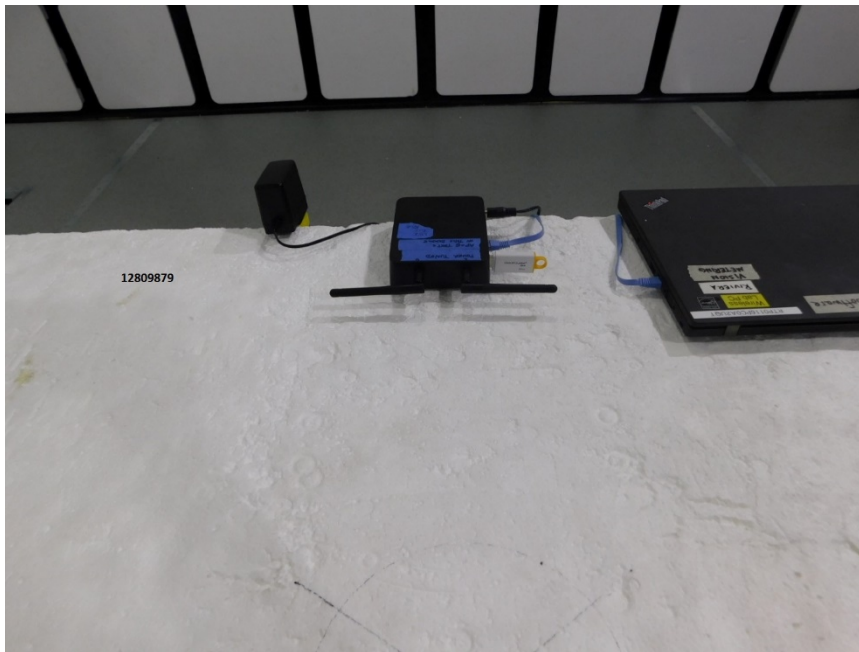
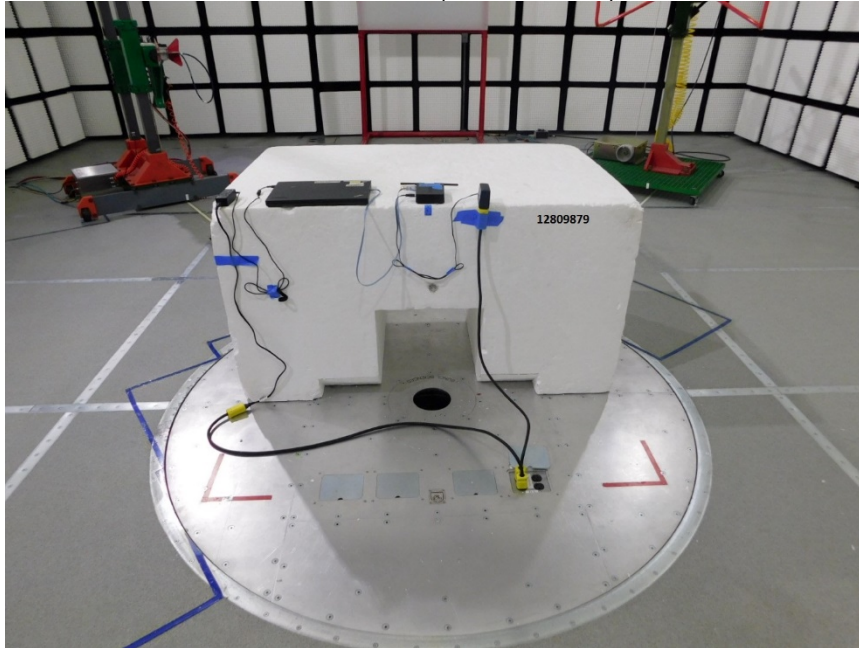


**RADIATED SPURIOUS EMISSIONS**

RADIATED SPURIOUS PHOTO (Above 1GHz)

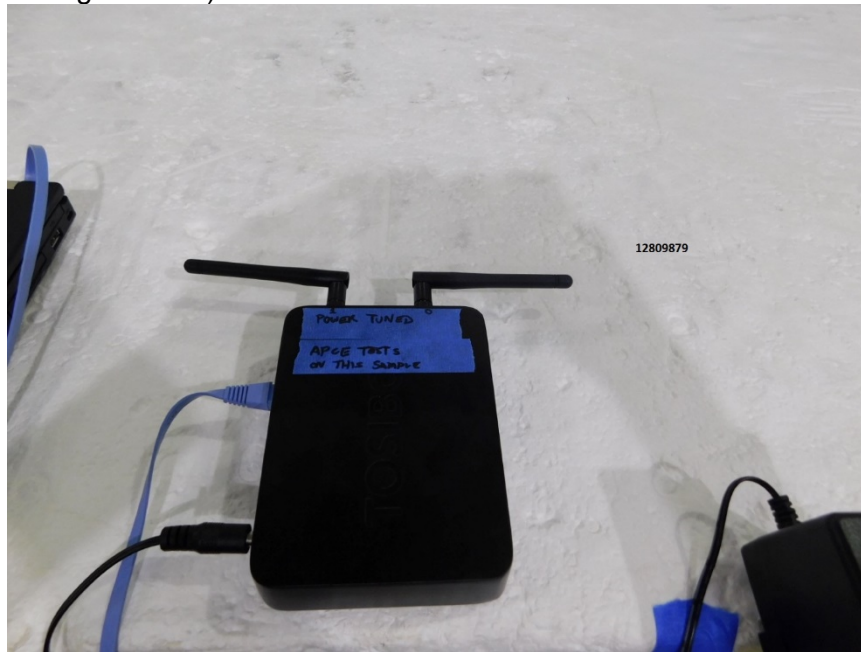


RADIATED SPURIOUS PHOTO (Below 1GHz)

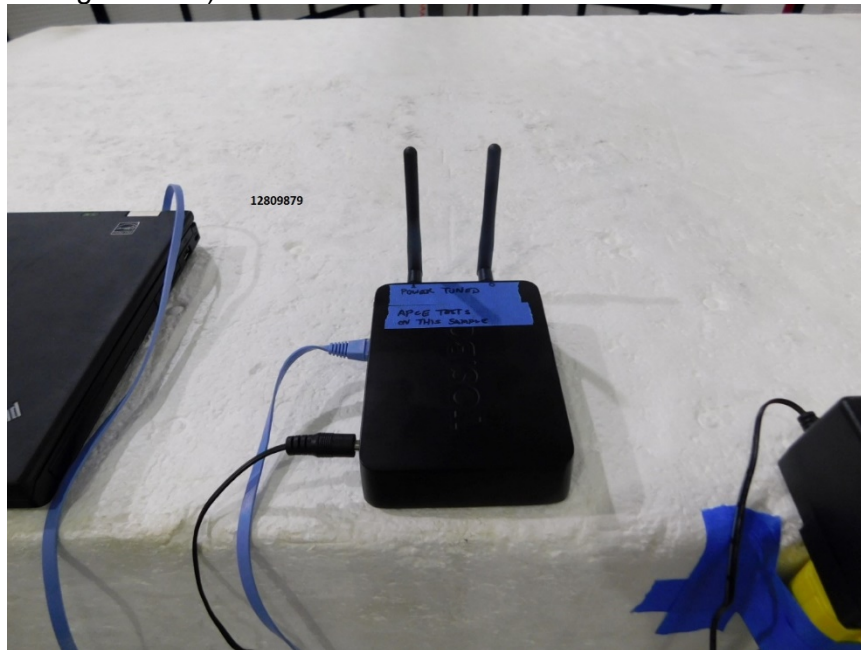


**RADIATED SPURIOUS EMISSIONS (Worst-Case Exploration)**

RADIATED SPURIOUS PHOTO (X Orientation, Antenna Configuration 1)



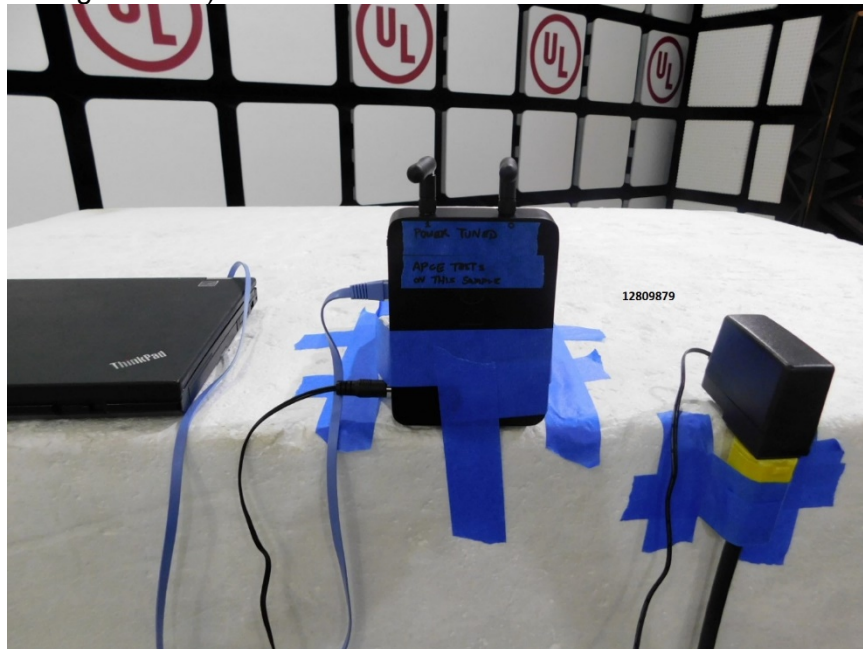
RADIATED SPURIOUS PHOTO (X Orientation, Antenna Configuration 2)



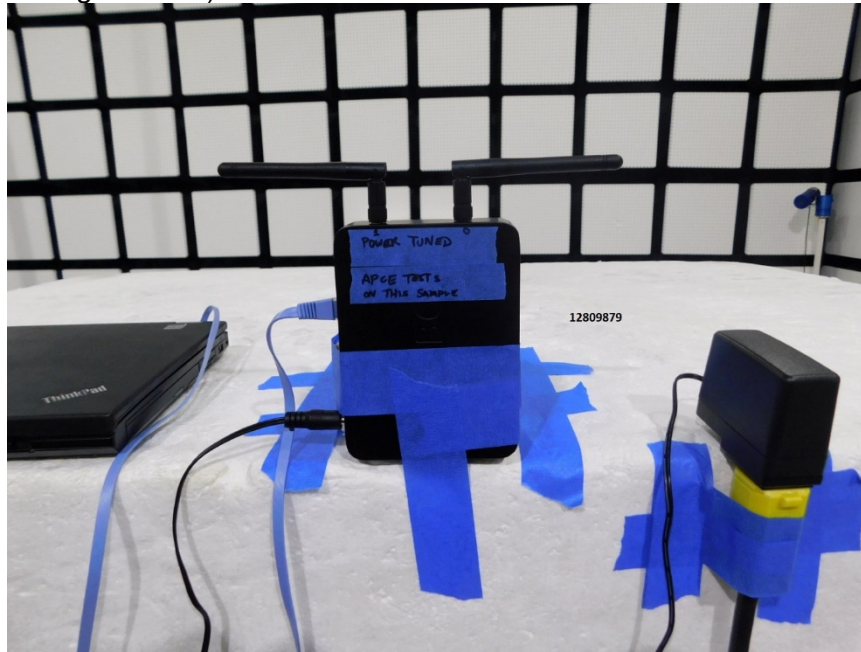
RADIATED SPURIOUS PHOTO (X Orientation, Antenna Configuration 3)



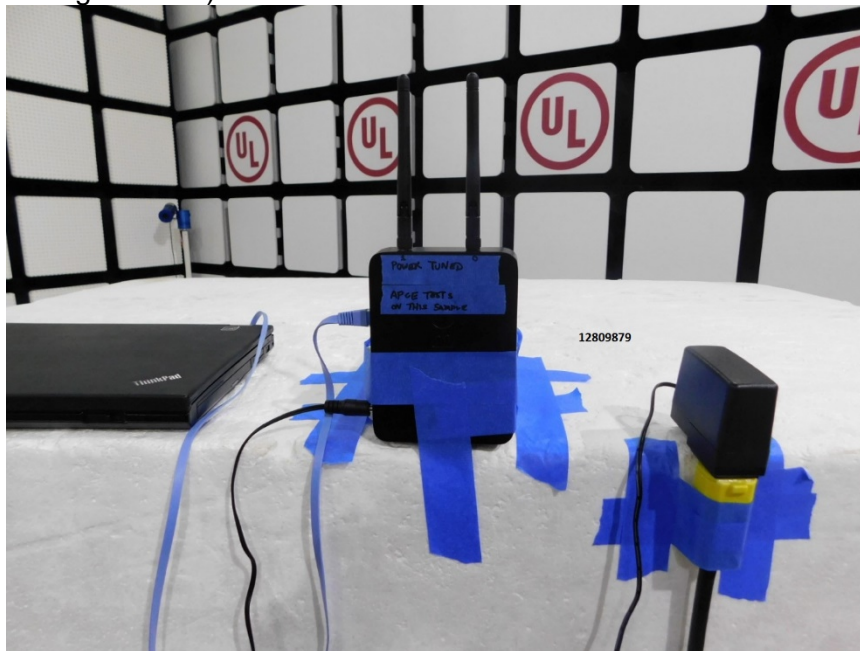
RADIATED SPURIOUS PHOTO (Z Orientation, Antenna Configuration 1)



RADIATED SPURIOUS PHOTO (Z Orientation, Antenna Configuration 2)

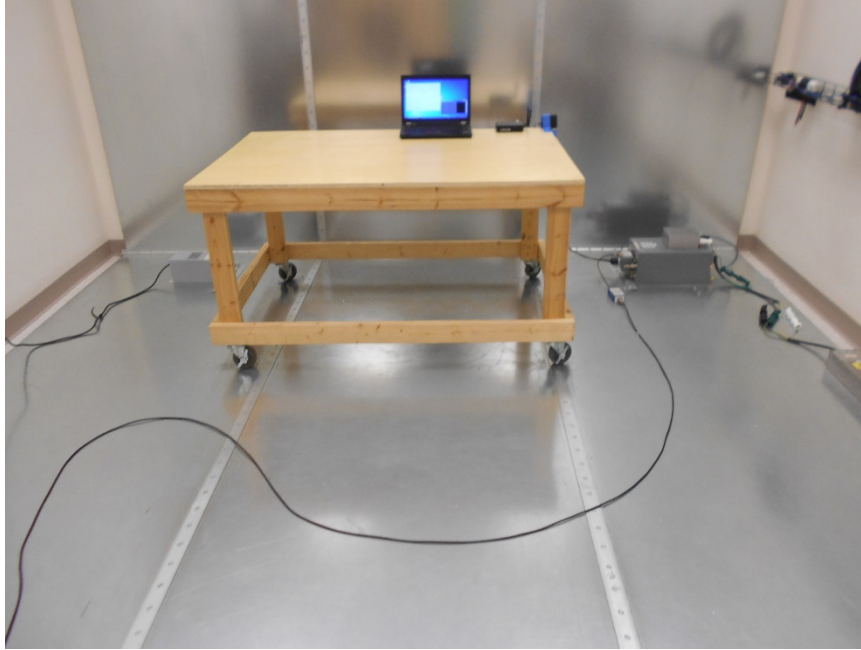


RADIATED SPURIOUS PHOTO (Z Orientation, Antenna Configuration 3)

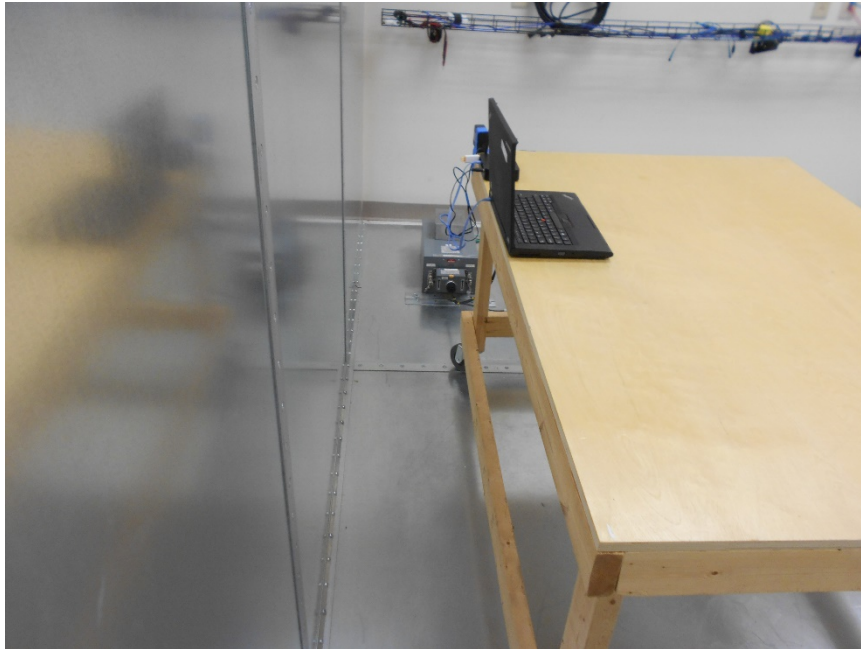


**AC Power Line Conducted Emissions**

POWER LINE CONDUCTED EMISSIONS FRONT



POWER LINE CONDUCTED EMISSIONS SIDE



## END OF TEST REPORT