

APPENDIX 3: Photographs of Test Setup

Conducted Emission

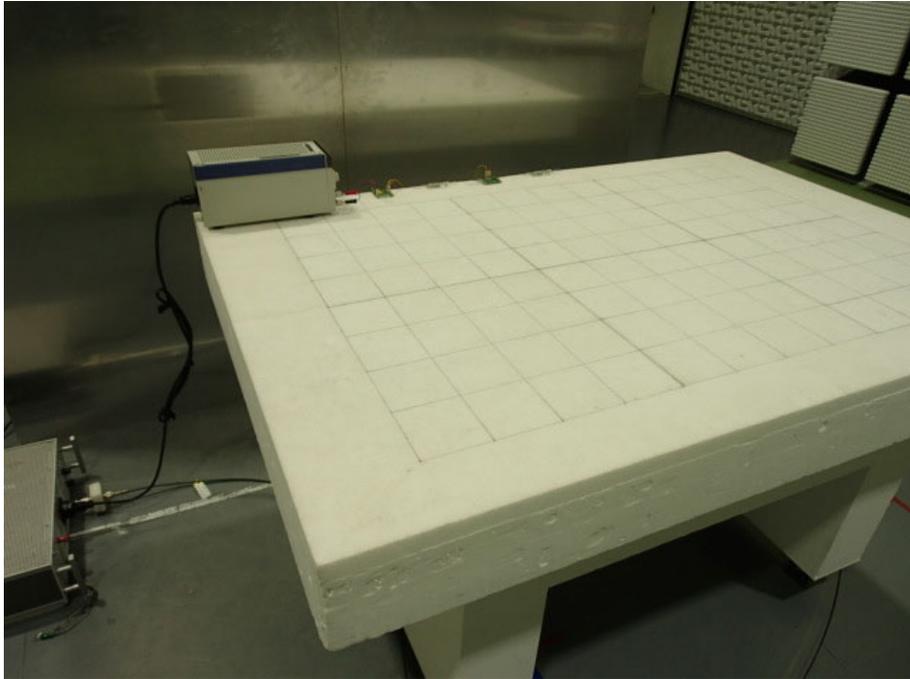


Photo 1

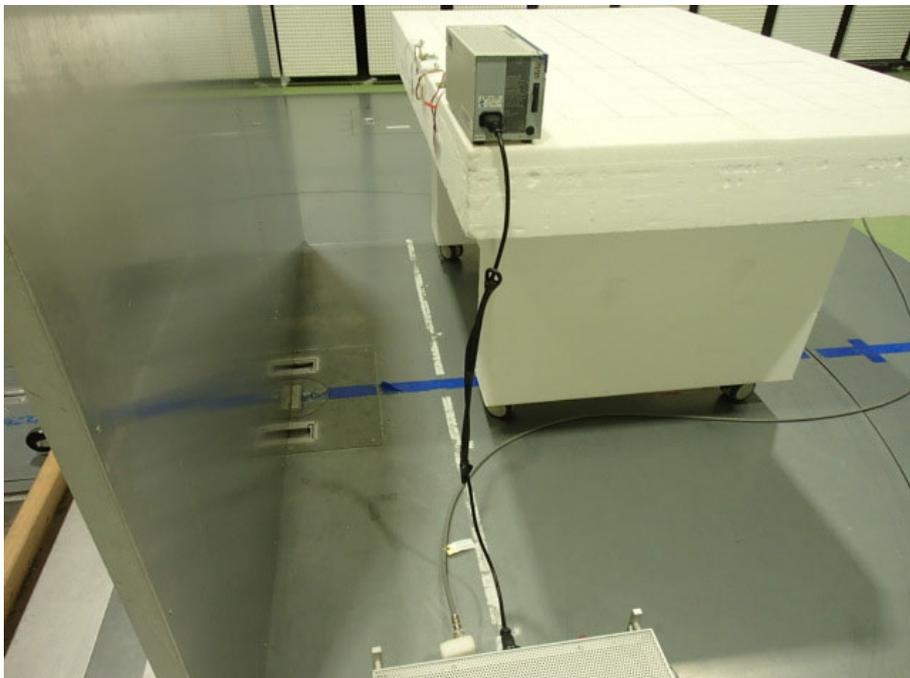


Photo 2

Radiated Spurious Emission

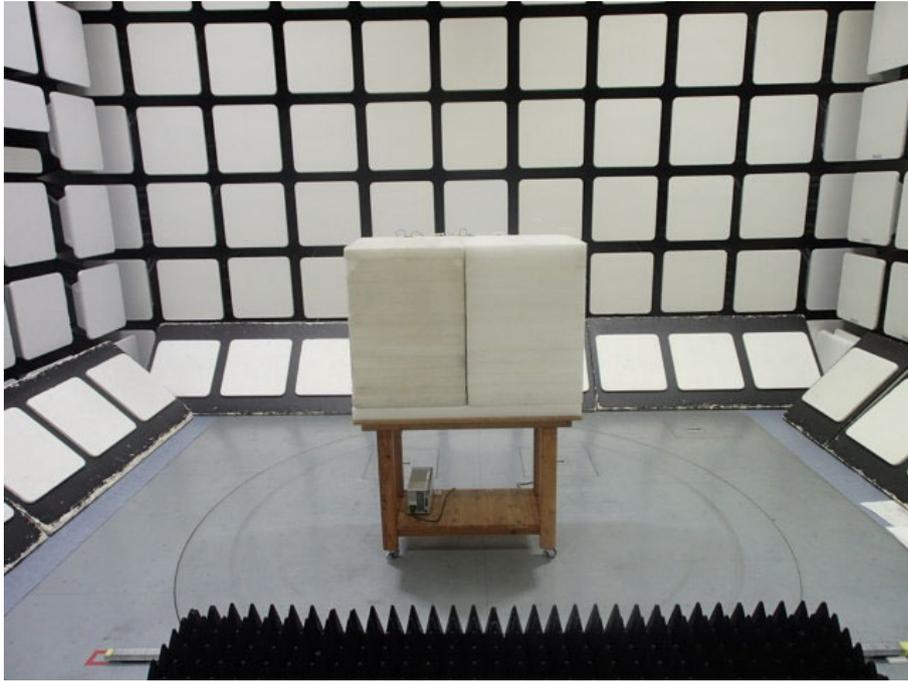


Photo 1

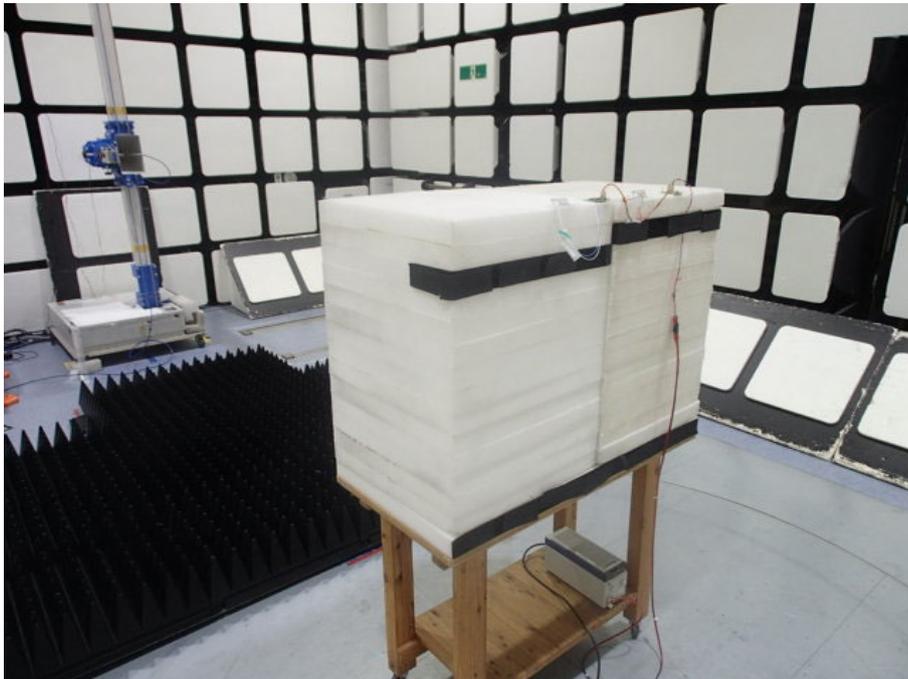
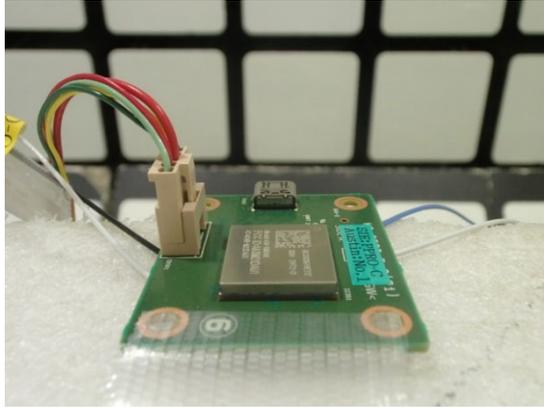


Photo 2

Worst Case Position
(Module)

| | |
|-------------|--------------------------------------|
| Below 1 GHz | Horizontal: X-axis/ Vertical: X-axis |
| Above 1 GHz | Horizontal: X-axis/ Vertical: X-axis |

X-axis



Y-axis



Z-axis



Worst Case Position
(Antenna)

| | Below 1 GHz | Above 1 GHz |
|-----------|--------------------------------------|--------------------------------------|
| Antenna 1 | Horizontal: X-axis/ Vertical: X-axis | Horizontal: X-axis/ Vertical: Y-axis |
| Antenna 3 | Horizontal: X-axis/ Vertical: X-axis | Horizontal: X-axis/ Vertical: Y-axis |

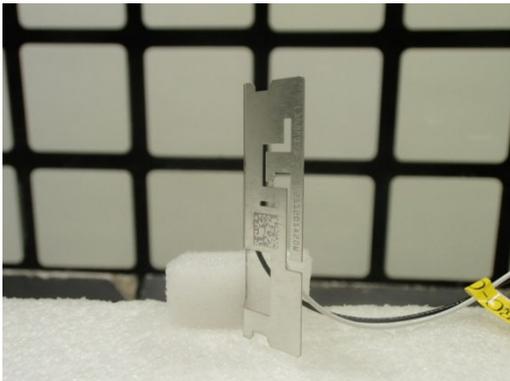
Antenna 1
X-axis



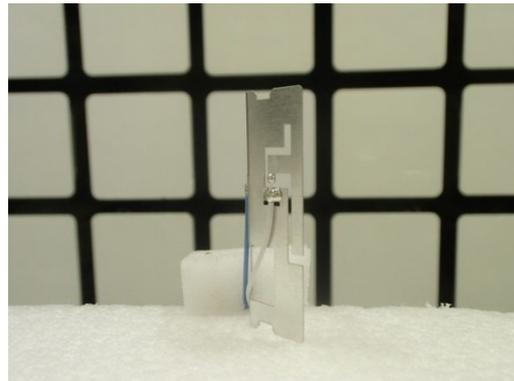
Antenna 3
X-axis



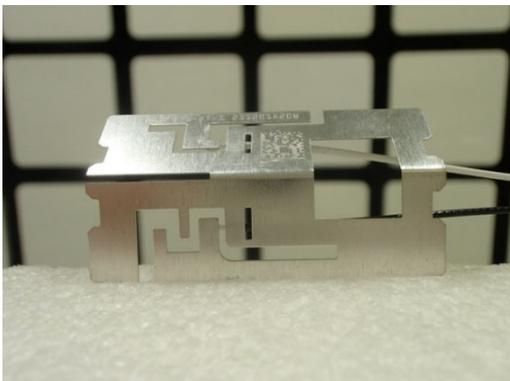
Y-axis



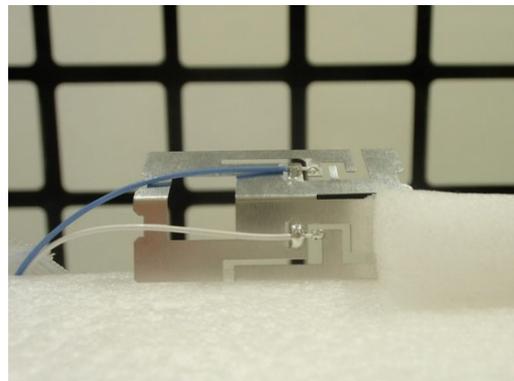
Y-axis



Z-axis



Z-axis



Antenna Terminal Conducted Tests

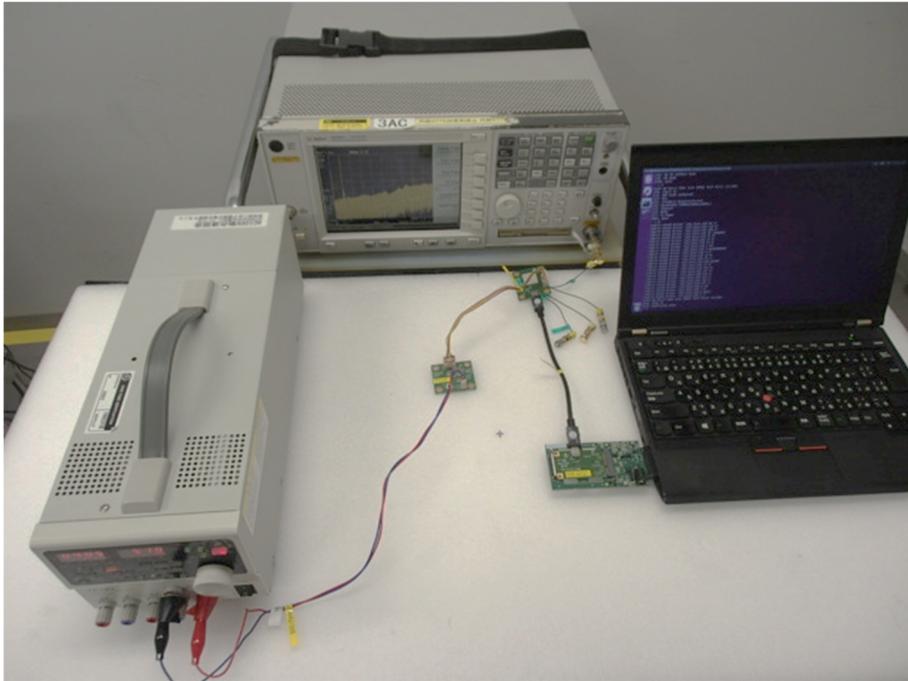
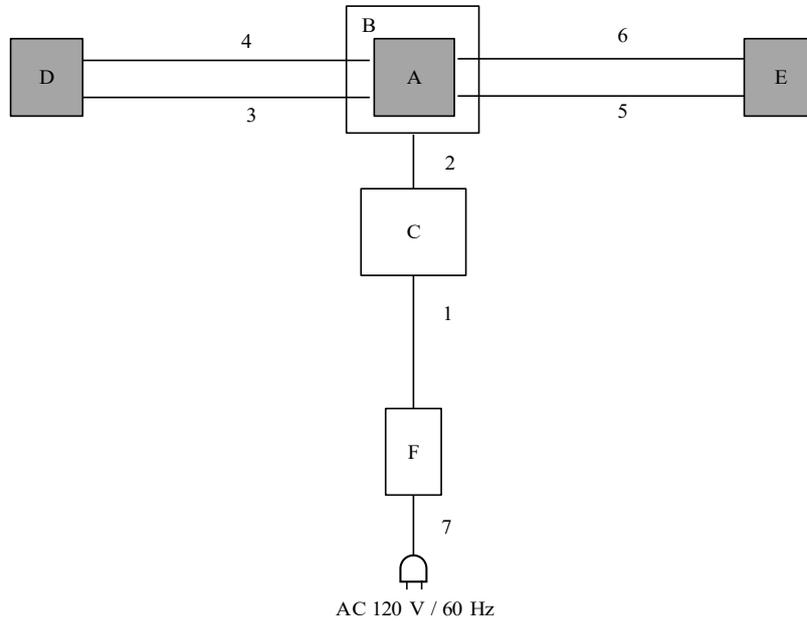


Photo 1

Test Configuration and peripherals

For Conducted Emission and Radiated Spurious Emission tests



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

Description of EUT and Support equipment

| No. | Item | Model number | Serial number | Manufacturer | Remarks |
|-----|-------------------------------|------------------|---------------|-------------------------------------|---------------------|
| A | Wireless communication module | AW-XM546 | Austin:No.1 | AzureWave | EUT |
| B | Jig Board | WB-CERT-5-C(P1) | Austin:No.1 | Sony Interactive Entertainment Inc. | - |
| C | Jig Board | WLAN_JIG_Power_B | P-JIG No.2 | Sony Interactive Entertainment Inc. | - |
| D | PIFA Antenna | L34RF071-QT-S | 211201A20W | LUXSHARE-ICT | EUT Antenna 1 and 2 |
| E | PIFA Antenna | L34RF072-QT-S | 211201A20W | LUXSHARE-ICT | EUT Antenna 3 and 4 |
| F | DC Power Supply | PMC35-2A | RM000298 | KIKUSUI | - |

List of cables used

| No. | Name | Length (m) | Shield | | Remarks |
|-----|---------------|------------------------------|------------|------------|---------|
| | | | Cable | Connector | |
| 1 | DC Cable | 2.50 for RE* 0.50 for CE* | Unshielded | Unshielded | - |
| 2 | Signal Cable | 0.40 | Unshielded | Unshielded | - |
| 3 | Antenna Cable | 0.20 | Shielded | Shielded | - |
| 4 | Antenna Cable | 0.20 | Shielded | Shielded | - |
| 5 | Antenna Cable | 0.45 | Shielded | Shielded | - |
| 6 | Antenna Cable | 0.45 | Shielded | Shielded | - |
| 7 | AC Cable | 2.00 | Unshielded | Unshielded | - |

*CE: Conducted Emission, RE: Radiated Spurious Emission

