

APPENDIX 3: Photographs of test setup

Conducted Emission (PIFA Antenna)

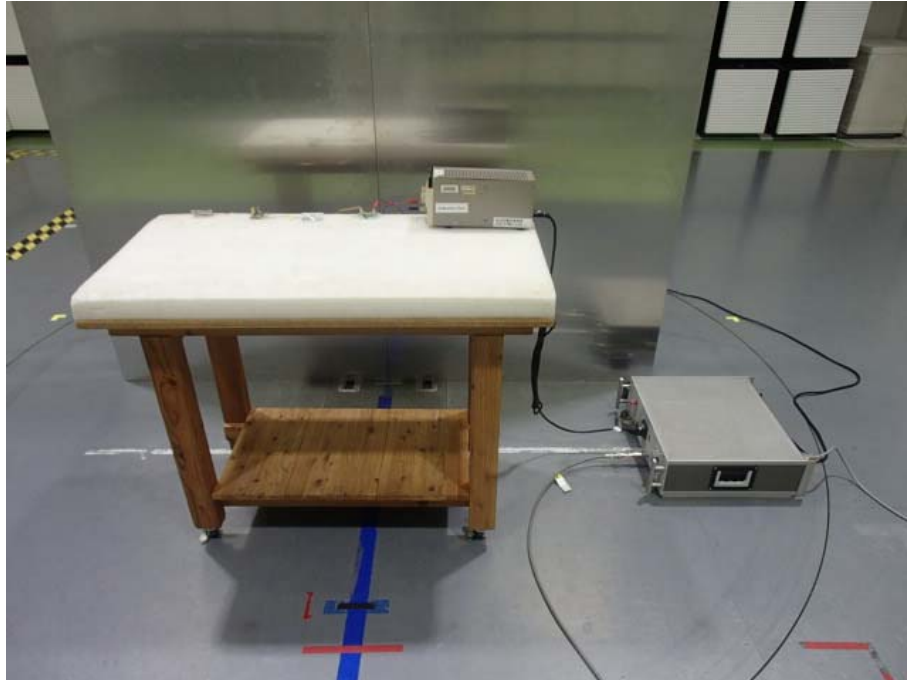


Photo 1

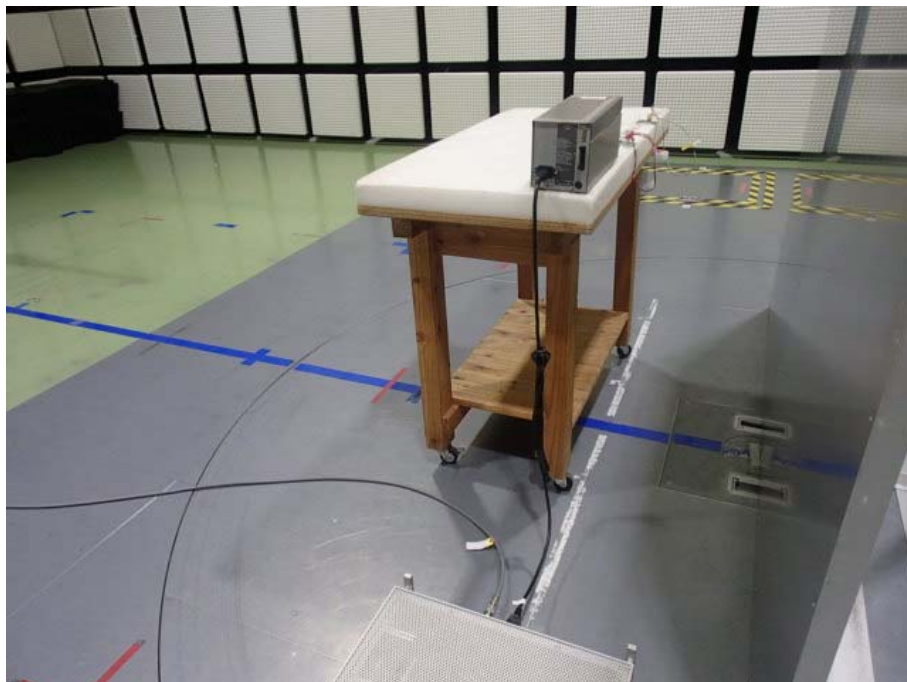


Photo 2

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Radiated Spurious Emission
(PIFA Antenna)

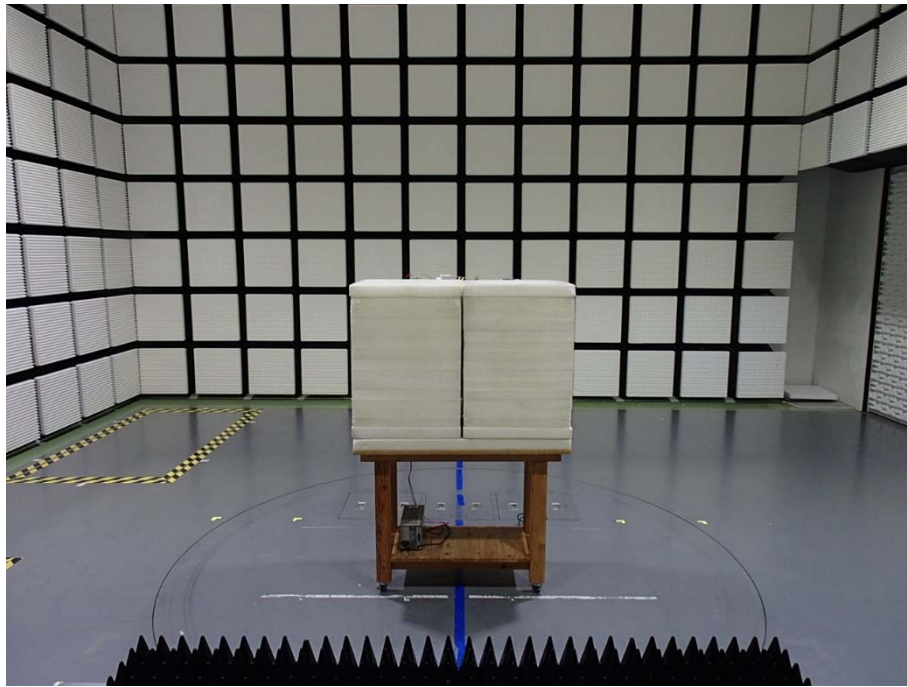


Photo 1



Photo 2

Radiated Spurious Emission
(IFA Antenna)

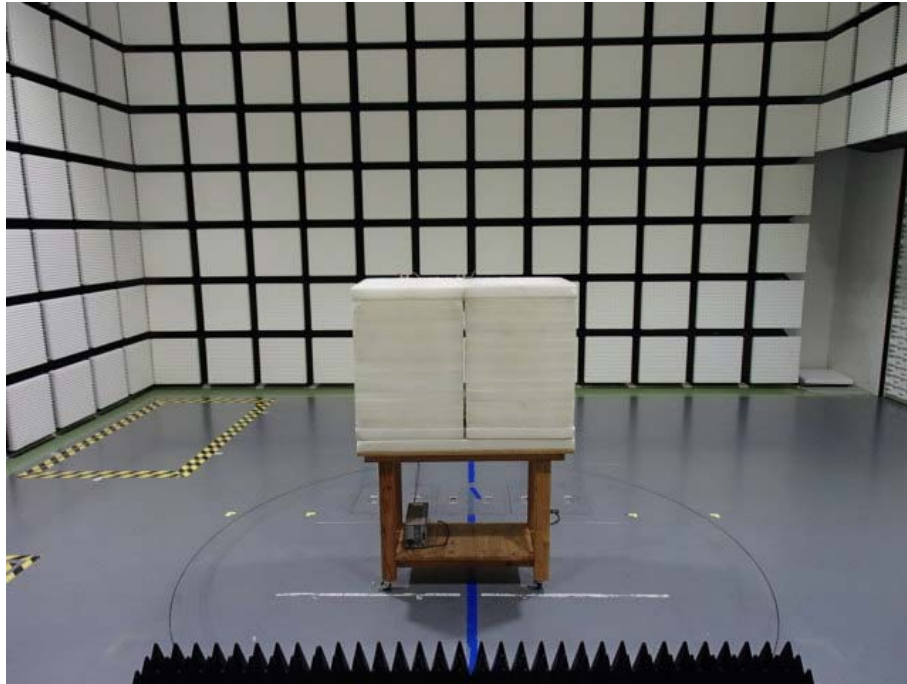


Photo 1

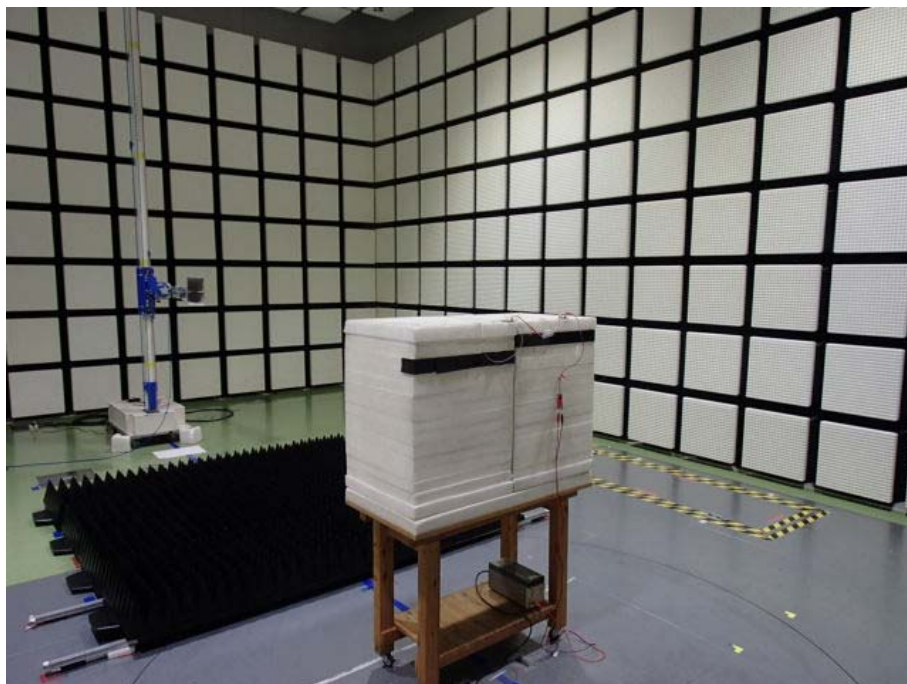


Photo 2

Worst Case Position
(Module)

WLAN (Horizontal: X-axis/ Vertical: X-axis)
BT LE (Horizontal: X-axis/ Vertical: X-axis)

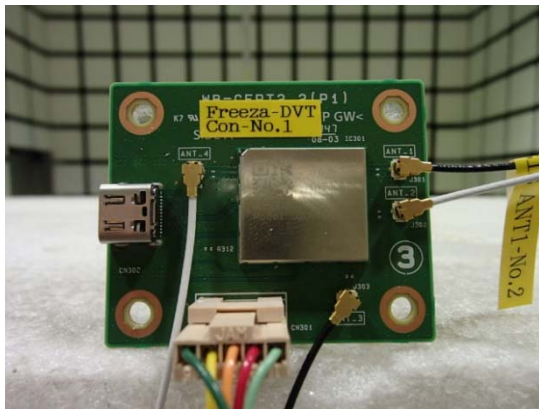
X-axis



Y-axis



Z-axis



Worst Case Position
(PIFA Antenna)

Antenna 1 / Antenna 2 (Horizontal: Z-axis/ Vertical:Y-axis)

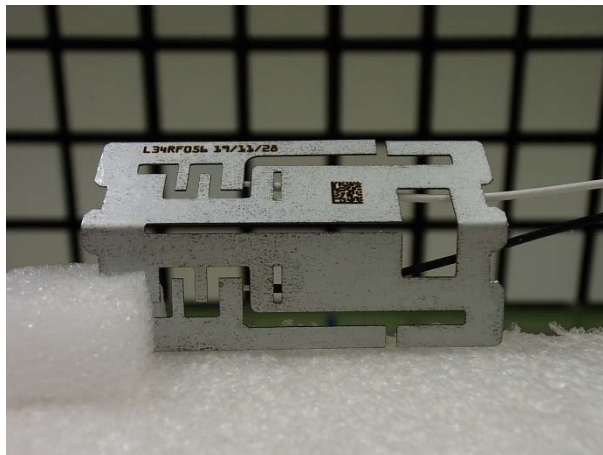
X-axis



Y-axis



Z-axis



Worst Case Position
(PIFA Antenna)

Antenna 3 (Horizontal: X-axis/ Vertical:Z-axis)

Antenna 4 (Horizontal: X-axis/ Vertical:Z-axis)

Antenna 3
X-axis



Y-axis



Z-axis



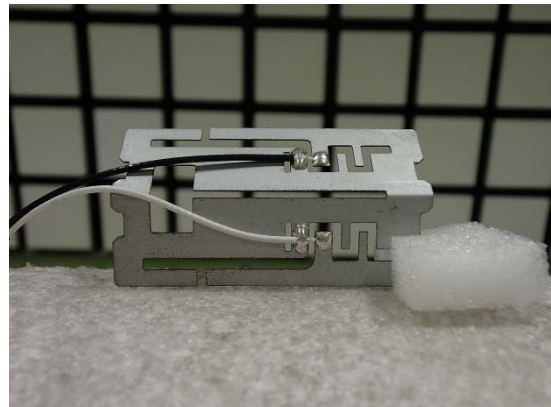
Antenna 4
X-axis



Y-axis



Z-axis



Worst Case Position
(IFA Antenna)

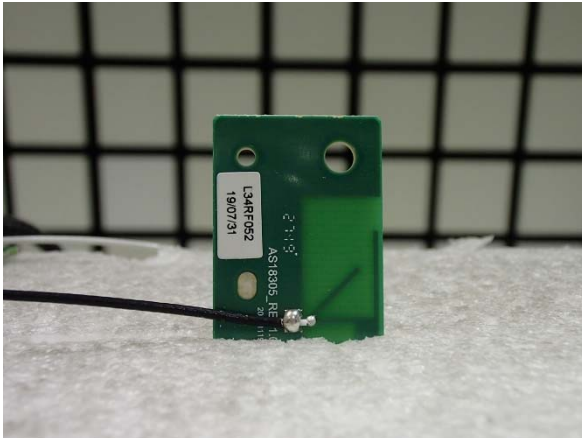
Antenna 1 (Horizontal: X-axis/ Vertical:Y-axis)

Antenna 2 (Horizontal: X-axis/ Vertical:Y-axis)

Antenna 1
X-axis



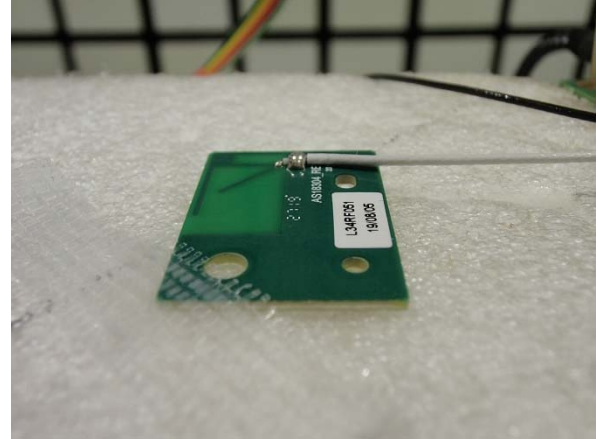
Y-axis



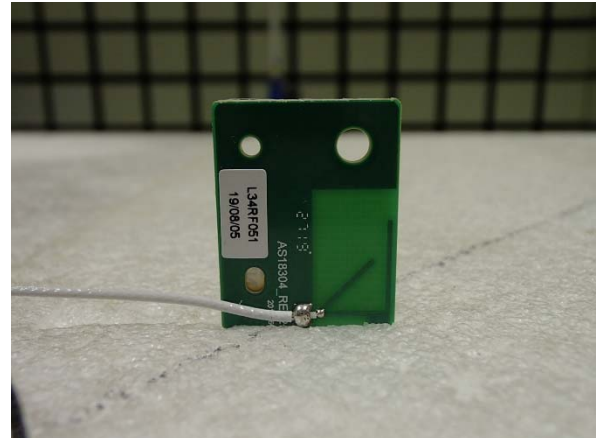
Z-axis



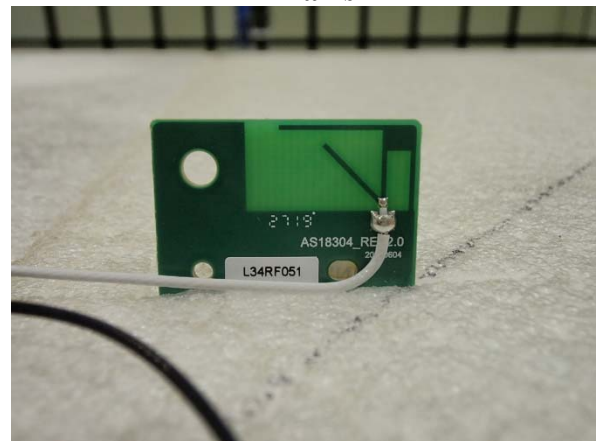
Antenna2
X-axis



Y-axis



Z-axis

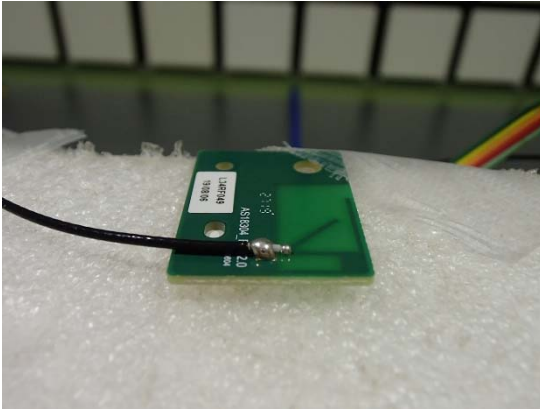


Worst Case Position
(IFA Antenna)

Antenna 3 (Horizontal: Z-axis/ Vertical:Y-axis)

Antenna 4 (Horizontal: Z-axis/ Vertical:Y-axis)

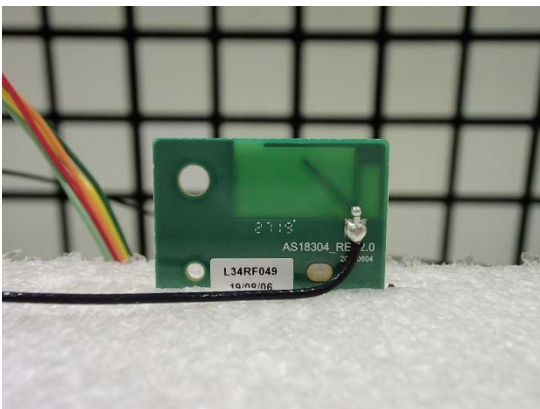
Antenna 3
X-axis



Y-axis



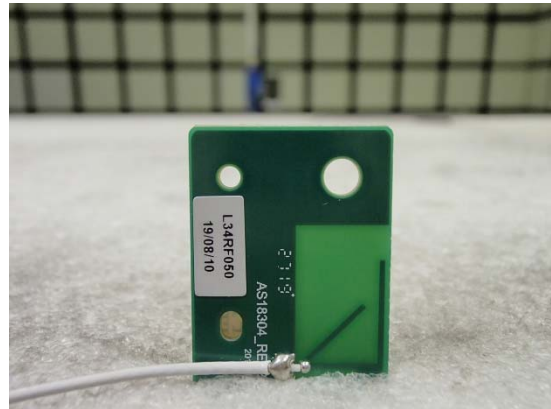
Z-axis



Antenna 4
X-axis



Y-axis

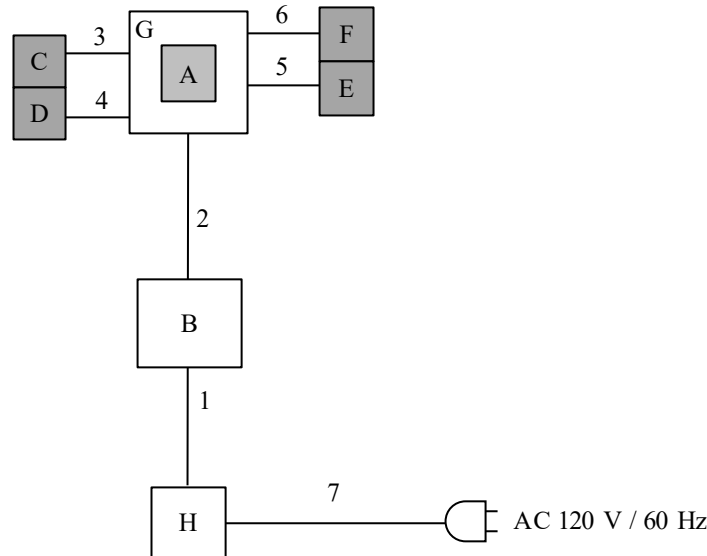


Z-axis



Test Configuration and peripherals

For Conducted Emission and Radiated Spurious Emission tests with PIFA antenna



■ : Standard Ferrite Core

* 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	J20H100	No.1	Foxconn	EUT
B	Jig Board	WB-PCIE-USB	PCIE-USB No.2	Sony Interactive Entertainment Inc.	-
C	PIFA Antenna	L34RF056	No.1	Luxshare-ICT	EUT
D	PIFA Antenna	L34RF056	No.1	Luxshare-ICT	EUT
E	PIFA Antenna	L34RF057	No.1	Luxshare-ICT	EUT
F	PIFA Antenna	L34RF057	No.1	Luxshare-ICT	EUT
G	Jig Board	WB-CERT2_1(P1)	Freeza-DVT Con-No.1	Sony Interactive Entertainment Inc.	-
H	DC Power supply	PMC35-2A	13090501	KIKUSUI	-

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC Cable	0.40 for CE* 2.40 for RE*	Unshielded	Unshielded	-
2	Signal Cable	0.40	Unshielded	Unshielded	-
3	Signal Cable	0.50	Unshielded	Unshielded	-
4	Signal Cable	0.50	Unshielded	Unshielded	-
5	Signal Cable	0.15	Unshielded	Unshielded	-
6	Signal Cable	0.15	Unshielded	Unshielded	-
7	AC Cable	1.50	Unshielded	Unshielded	-

*CE: Conducted Emission test, RE: Radiated Spurious Emission test

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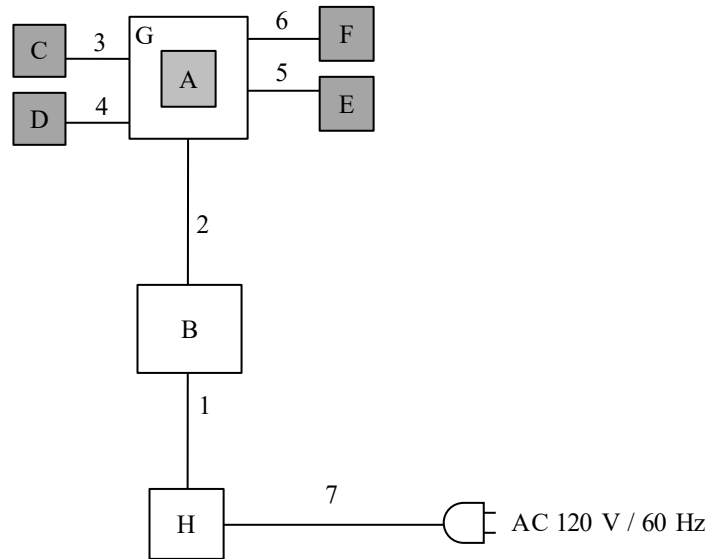
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For Radiated Spurious Emission tests with IFA antenna



■ : Standard Ferrite Core

* 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	J20H100	No.1	Foxconn	EUT
B	Jig Board	WB-PCIE-USB	PCIE-USB No.2	Sony Interactive Entertainment Inc.	-
C	IFA Antenna	L34RF052	No.1	Luxshare-ICT	EUT
D	IFA Antenna	L34RF051	No.1	Luxshare-ICT	EUT
E	IFA Antenna	L34RF049	No.1	Luxshare-ICT	EUT
F	IFA Antenna	L34RF050	No.1	Luxshare-ICT	EUT
G	Jig Board	WB-CERT2_1(P1)	Freeza-DVT Con-No.1	Sony Interactive Entertainment Inc.	-
H	DC Power supply	PMC35-2A	13090501	KIKUSUI	-

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC Cable	0.40 for CE* 2.48 for RE*	Unshielded	Unshielded	-
2	Signal Cable	0.40	Unshielded	Unshielded	-
3	Signal Cable	0.50	Unshielded	Unshielded	-
4	Signal Cable	0.45	Unshielded	Unshielded	-
5	Signal Cable	0.06	Unshielded	Unshielded	-
6	Signal Cable	0.06	Unshielded	Unshielded	-
7	AC Cable	1.50	Unshielded	Unshielded	-

*CE: Conducted Emission test, RE: Radiated Spurious Emission test

UL Japan, Inc.

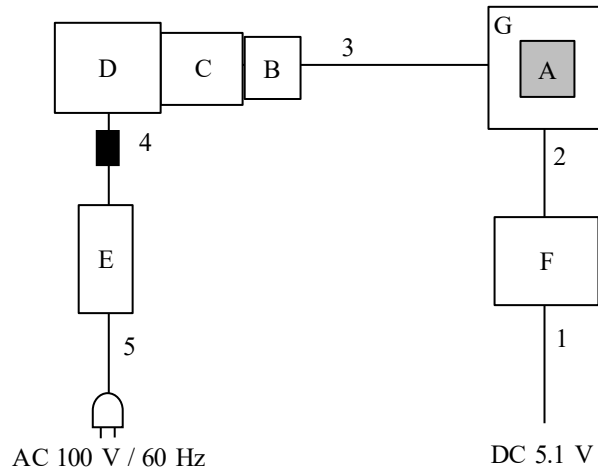
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For Antenna Terminal Conducted tests



■ : Standard Ferrite Core

* 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	J20H100	No.2	Foxconn	EUT
B	Jig Board	WB-PCIE-USB	PCIE-USB No.2	Sony Interactive Entertainment Inc.	-
C	Jig Board	WB-PCIE-USB V8	-	Marvell	-
D	Laptop PC	Think Pad X230	PK-2EKL1	Lenovo	-
E	AC Adaptor	ADLX65NLT2A	11S45N0319Z1ZL ZF37J96D	Lenovo	-
F	Jig Board	WB-P.R.-JIG2	P-JIG No.2	Sony Interactive Entertainment Inc.	-
G	Jig Board	WB-CERT2_1(P1)	Freeza-DVT Con-No.2	Sony Interactive Entertainment Inc.	-

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC Cable	1.3	Unshielded	Unshielded	-
2	Signal Cable	0.4	Unshielded	Unshielded	-
3	USB Cable	0.2	Shielded	Shielded	-
4	DC Cable	1.8	Shielded	Shielded	-
5	AC Cable	1.9	Unshielded	Unshielded	-

End of Report

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