

APPENDIX 3: Photographs of Test Setup

Conducted Emission



Photo 1

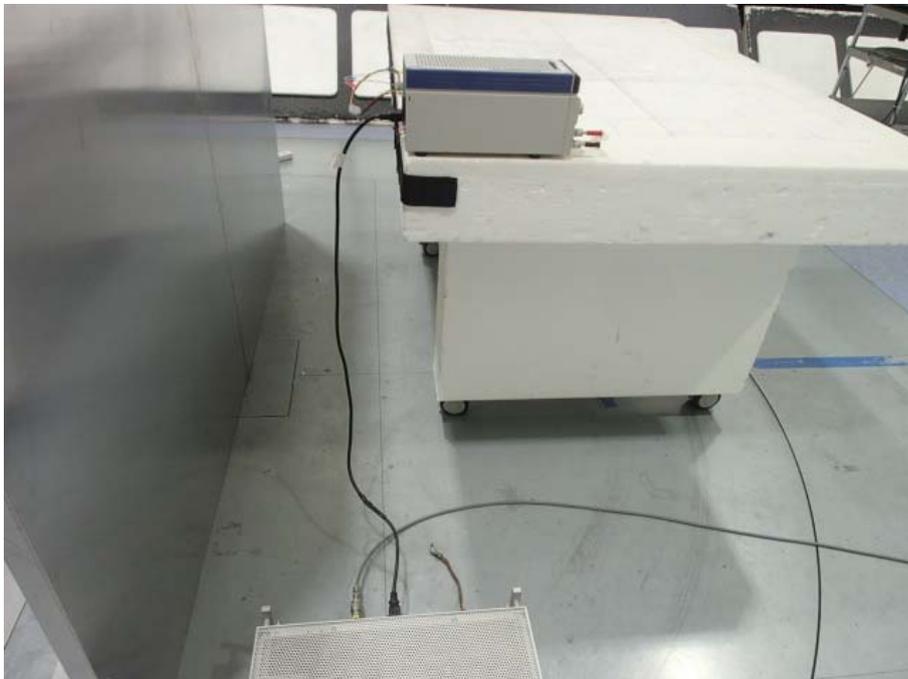


Photo 2

Radiated Spurious Emission
WLAN



Photo 1

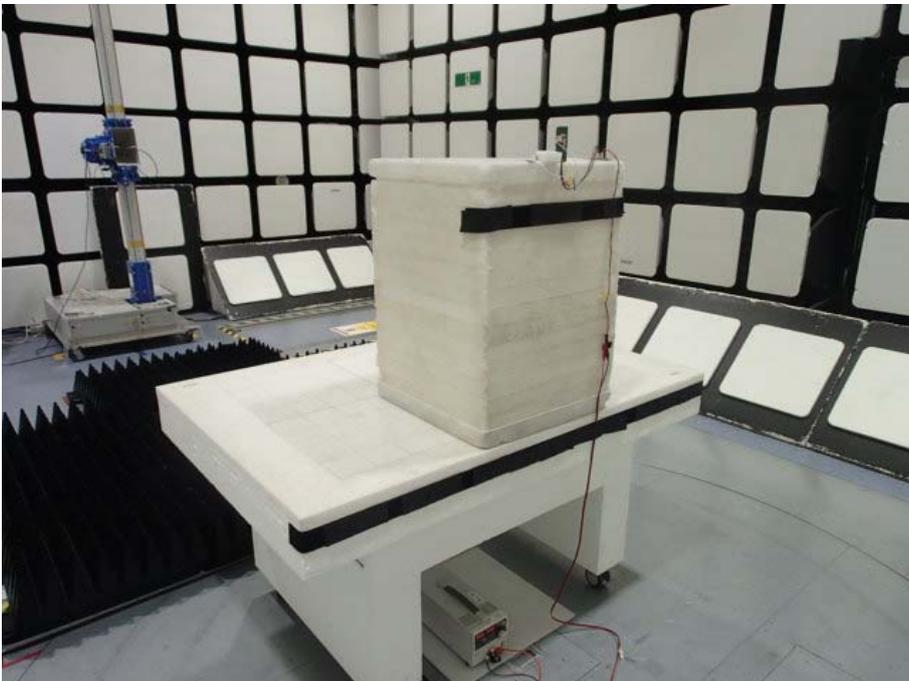


Photo 2

Radiated Spurious Emission
BT LE

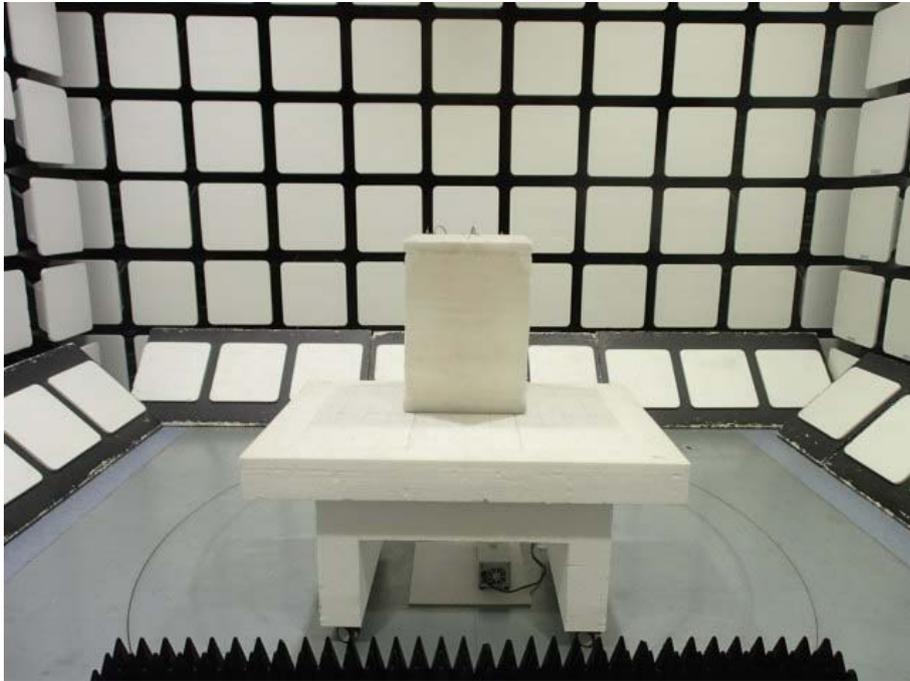


Photo 1

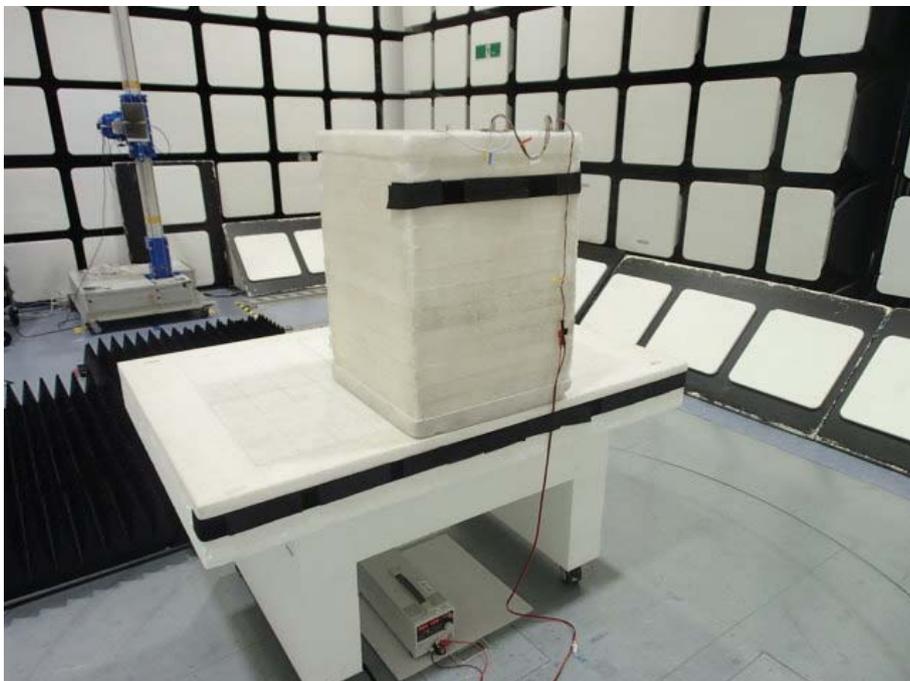
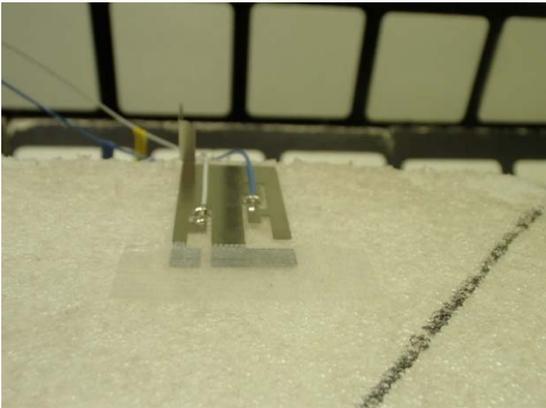


Photo 2

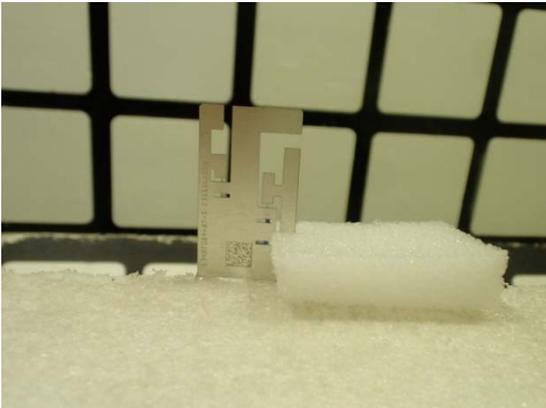
Worst Case Position
WLAN

Test Range	Antenna	Horizontal	Vertical
Above 1 GHz	Antenna 1 / Antenna 2	X-axis	Y-axis
	Module	Z-axis	Z-axis
Below 1 GHz	Antenna 1 / Antenna 2	X-axis	X-axis
	Module	X-axis	X-axis

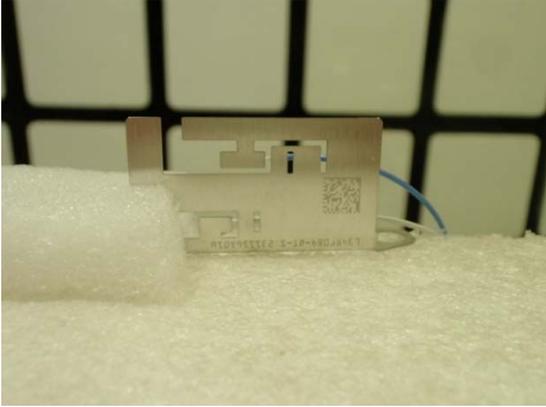
Antenna 1 / Antenna 2
X-axis



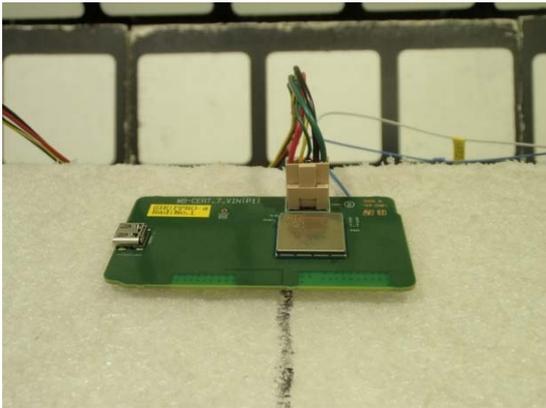
Y-axis



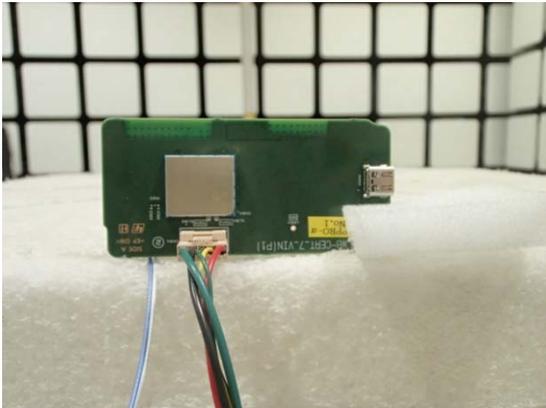
Z-axis



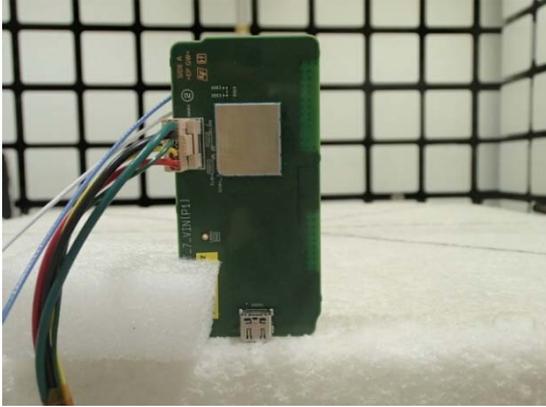
Module
X-axis



Y-axis



Z-axis



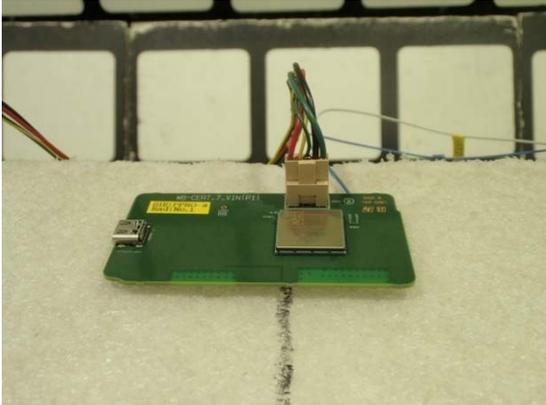
Worst Case Position
BT LE (BT1)

Test Range	Antenna	Horizontal	Vertical
Below 1 GHz	Antenna 3 / Module	X-axis	X-axis
Above 1 GHz		X-axis	Y-axis

BT LE (BT2)

Test Range	Antenna	Horizontal	Vertical
Below 1 GHz	Antenna 4 / Module	X-axis	X-axis
Above 1 GHz		X-axis	Z-axis

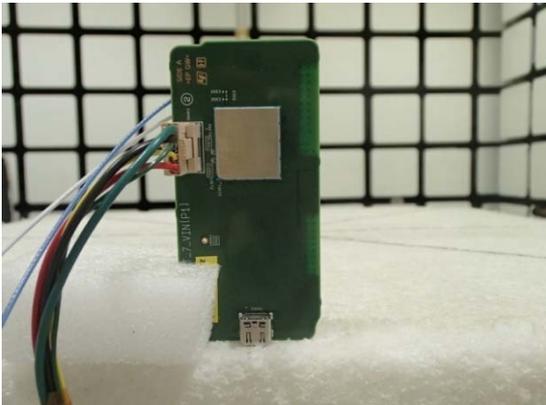
X-axis



Y-axis



Z-axis



Antenna Terminal Conducted Tests

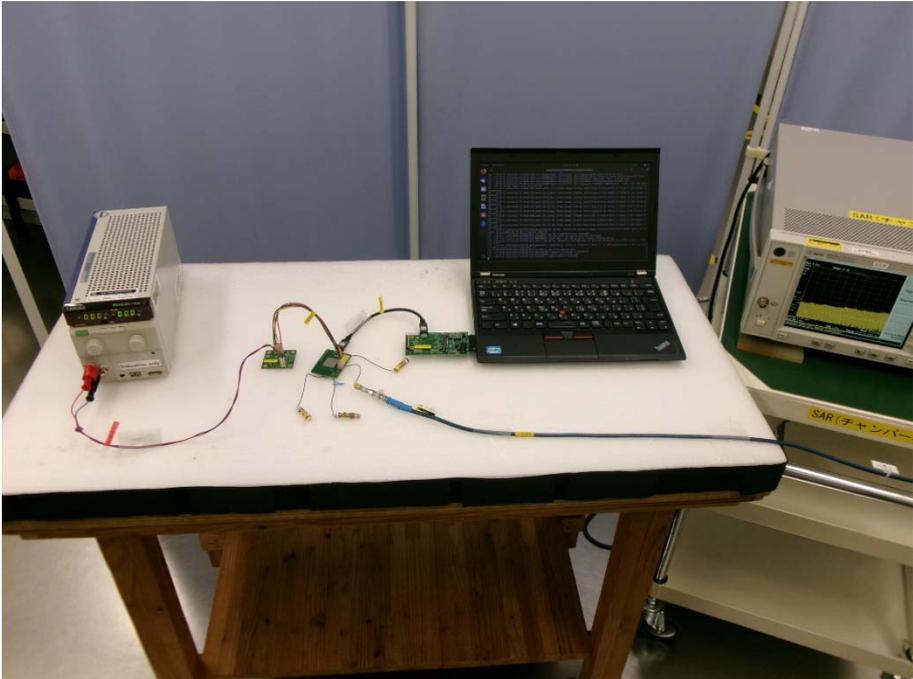


Photo 1

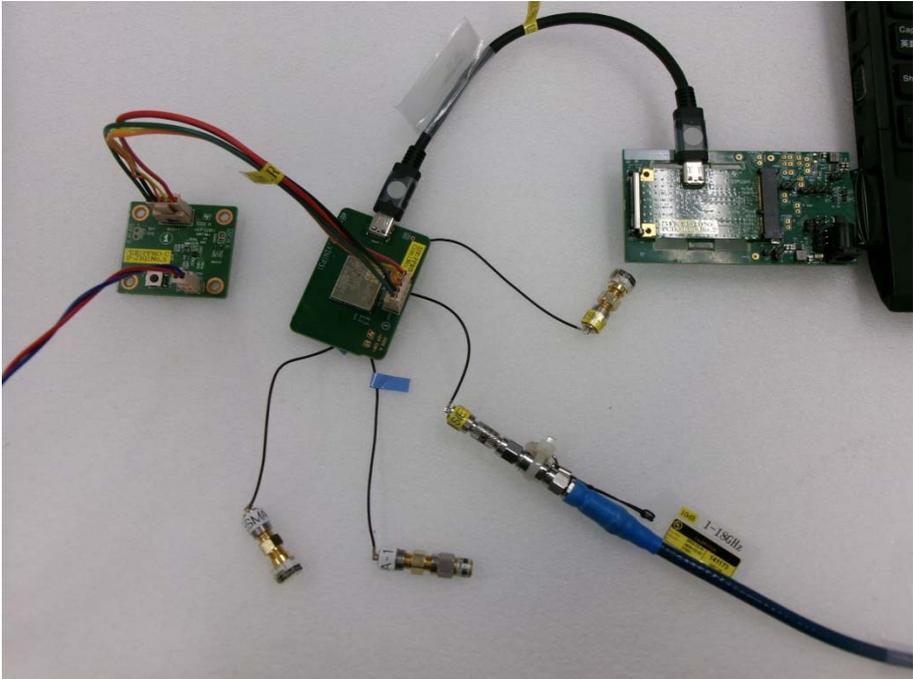
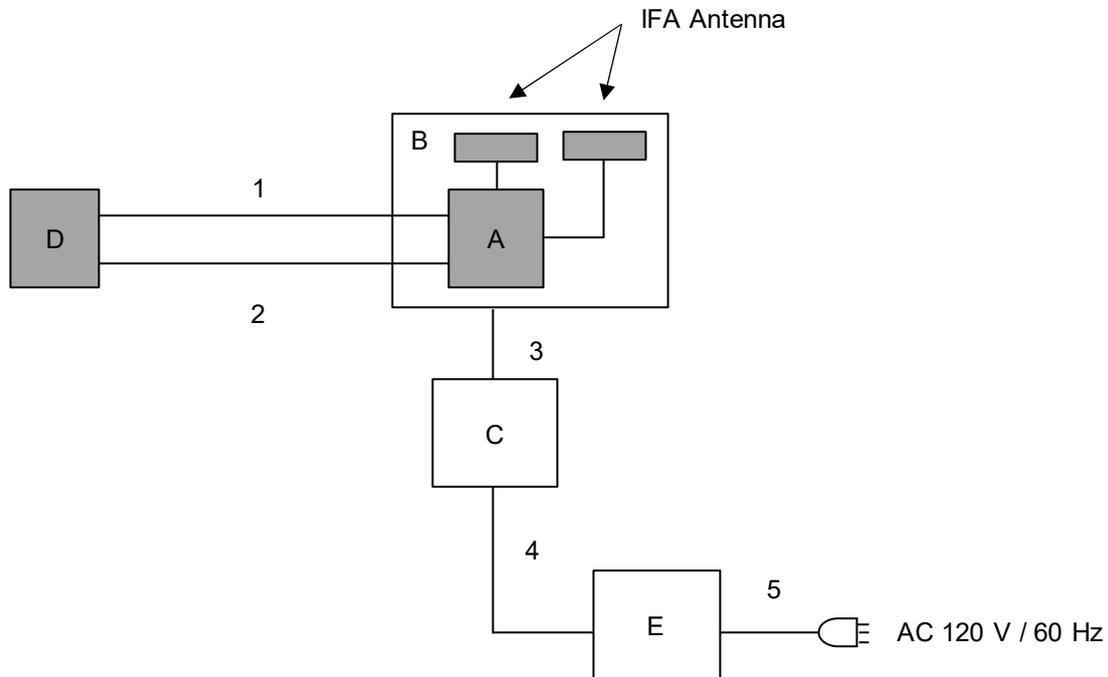


Photo 2

APPENDIX 4: Configuration and Peripherals

Conducted Emission and Radiated Spurious Emission



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

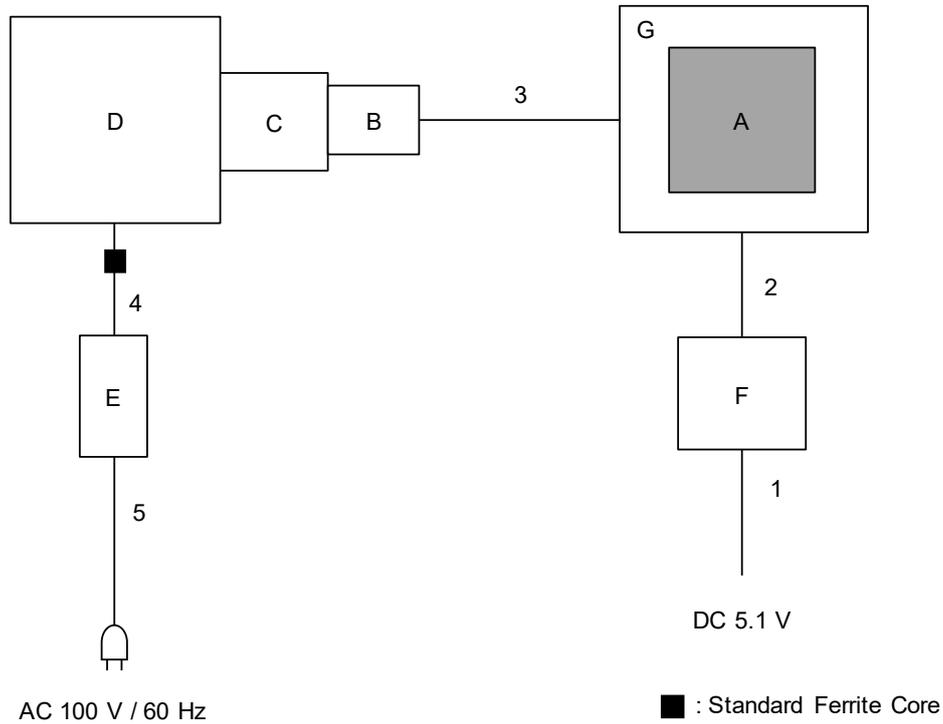
Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Wireless communication module	J20H106	Rad:No.1	Foxconn	EUT
B	Jig Board	WB-CERT_7_VIN(P1)	Rad:No.1	Sony Interactive Entertainment Inc.	Antenna 3 and 4
C	Jig Board	WLAN_JIG_Power_B	P-JIG No.3	Sony Interactive Entertainment Inc.	-
D	PIFA Antenna	L34RF084	231116A01W	LUXSHARE-ICT	EUT Antenna 1 and 2
E	Regulated DC Power Supply	PW16-2ATP	GJR810407	GW Instek	For RE
	DC Power Supply	PMC35-2A	RM00298	Kikusui Electronics Corp.	For CE

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	Antenna Cable	0.3	Shielded	Shielded	-
2	Antenna Cable	0.3	Shielded	Shielded	-
3	DC Cable	0.4	Unshielded	Unshielded	-
4	DC Cable	0.5 for CE 2.5 for RE	Unshielded	Unshielded	-
5	AC Cable	1.0	Unshielded	Unshielded	-

Antenna Terminal Conducted Tests



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.
* RF ports which were not used for measurements were terminated.

Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Wireless communication module	J20H106	SIE:PPRO- α Con:No.2	Foxconn	EUT *1)
			SIE:PPRO- α Con:No.5		EUT *2)
B	Jig Board	WB-PCIE-USB	SIE:Ppro PCIE-USB No.4	Sony Interactive Entertainment Inc.	-
C	Jig Board	WB-PCIE-USB V9	SIE:Ppro EC-MC No.4	Marvell	-
D	Laptop PC	ThinkPad X230	PK2EKL1	Lenovo	-
E	AC Adaptor	ADLX65NLT2A	11S45N0315Z1ZLZD 2CV60F	Lenovo	-
F	Jig Board	WLAN_JIG_Power_B	SIE:PPRO-C P-JIG:No.2	Sony Interactive Entertainment Inc.	-
G	Jig Board	WB_CERT_7_VIN(P3)	SIE:PPRO- α Con:No.2	Sony Interactive Entertainment Inc.	-

*1) Used only on 11be-20 [52-tone RU] mode for 6dB Bandwidth

*2) Used for 6dB Bandwidth other than 11be-20 [52-tone RU] mode

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC Cable	1.00	Unshielded	Unshielded	-
2	Signal Cable	0.20	Unshielded	Unshielded	-
3	USB Cable	0.25	Shielded	Shielded	-
4	DC Cable	1.80	Unshielded	Unshielded	-
5	AC Cable	1.00	Unshielded	Unshielded	-

End of Report