

APPENDIX 3: Photographs of Test Setup

Conducted Emission



Photo 1

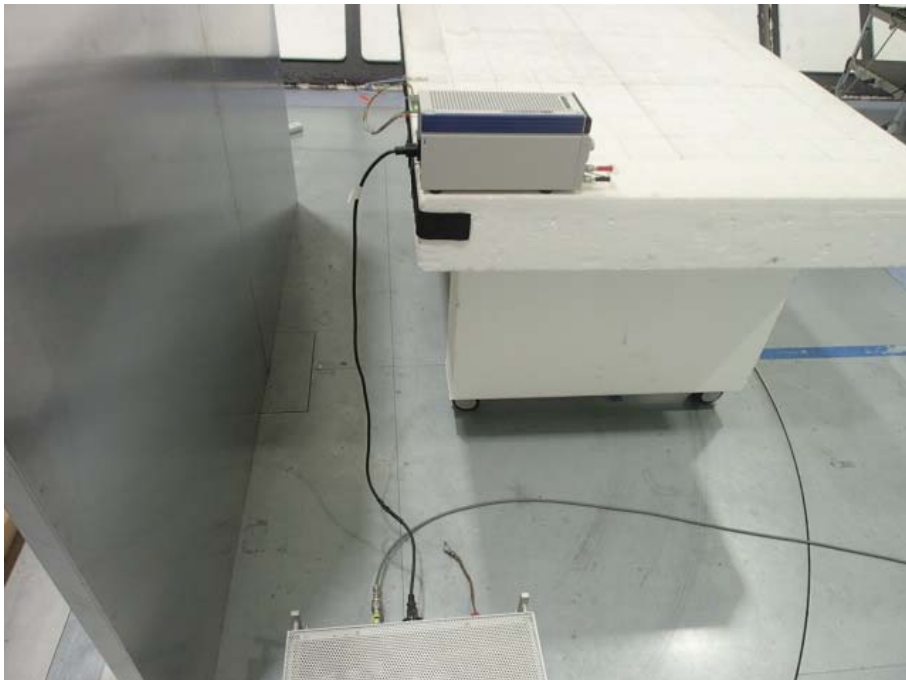


Photo 2

Radiated Spurious Emission
1 GHz to 6 GHz

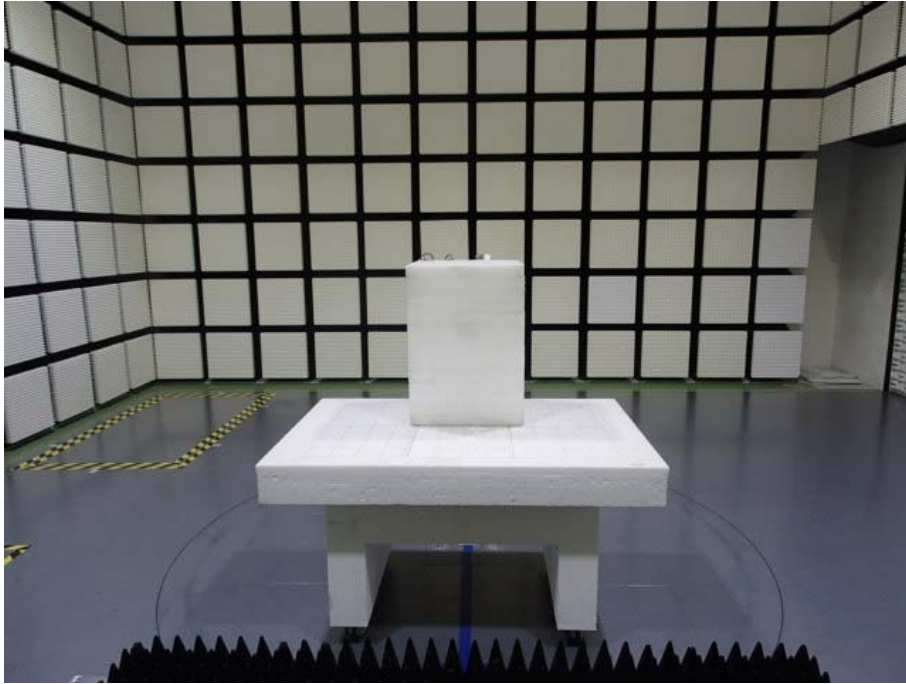


Photo 1



Photo 2

Radiated Spurious Emission
6 GHz to 10 GHz

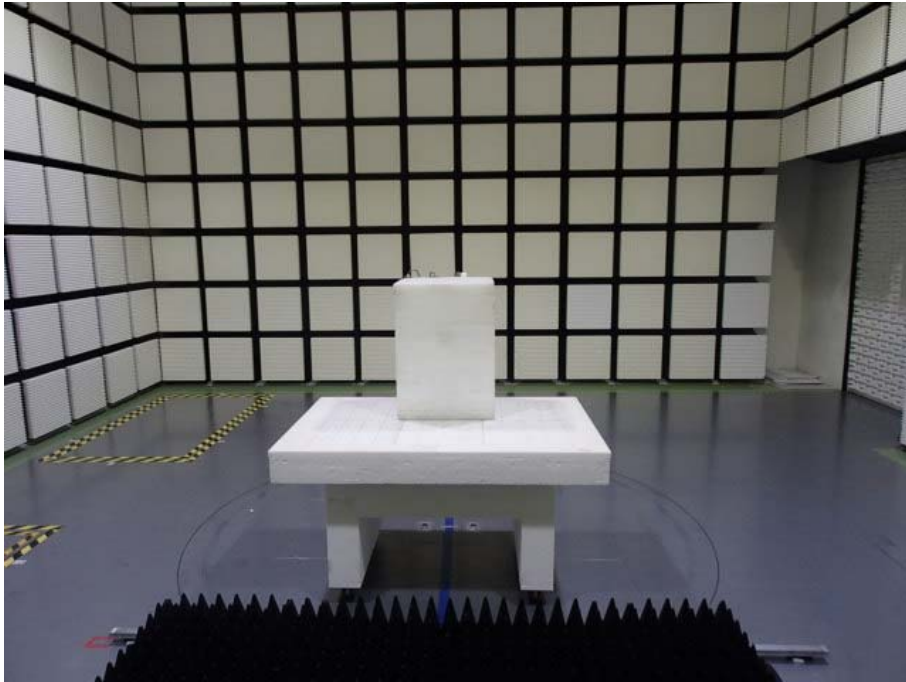


Photo 1



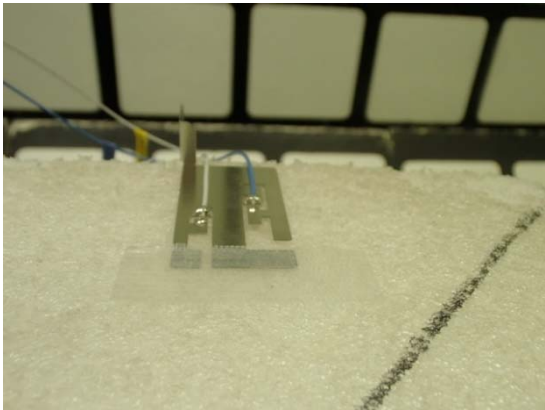
Photo 2

Worst Case Position

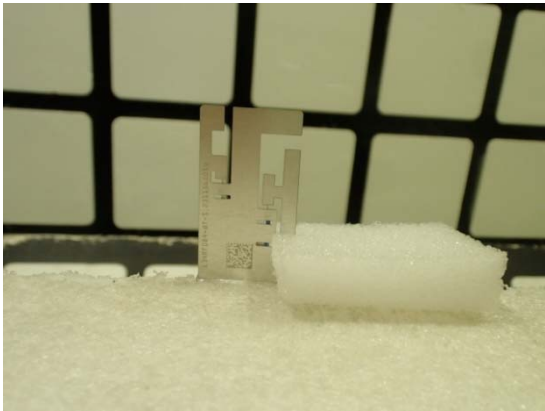
Test Range	Antenna	Horizontal	Vartical
Below 1 GHz	Antenna 1	X-axis	X-axis
	Antenna 3 / Module	X-axis	X-axis

Test Range	Antenna	Horizontal	Vartical
Above 1 GHz	Antenna 1	Z-axis	Z-axis
	Antenna 3 / Module	X-axis	Z-axis

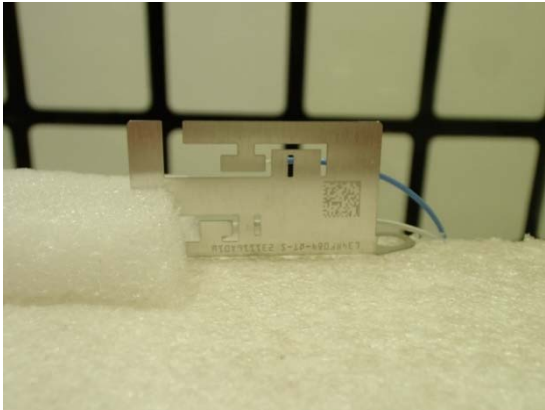
**Antenna 1
X-axis**



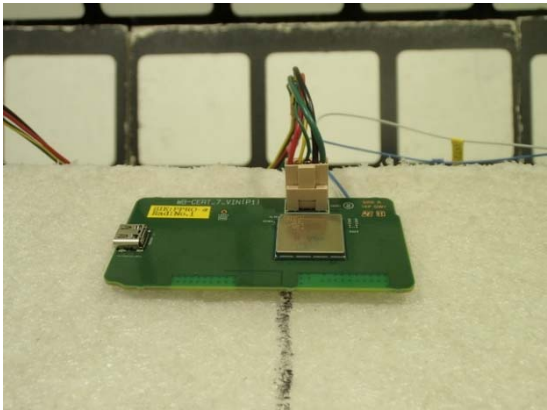
Y-axis



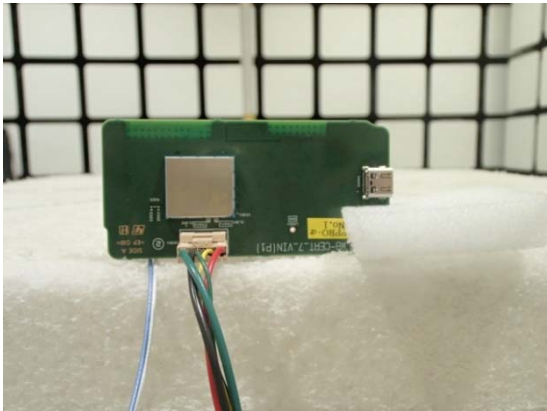
Z-axis



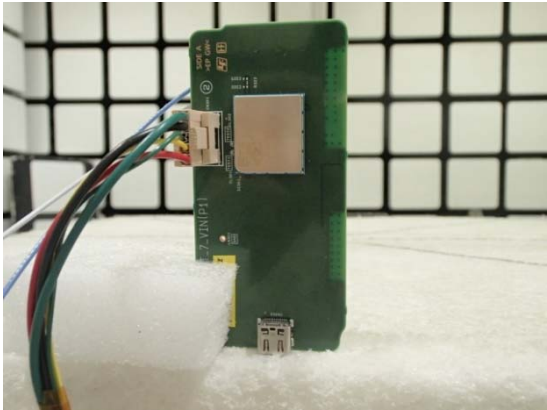
**Antenna 3 / Module
X-axis**



Y-axis



Z-axis



Antenna Terminal Conducted Tests

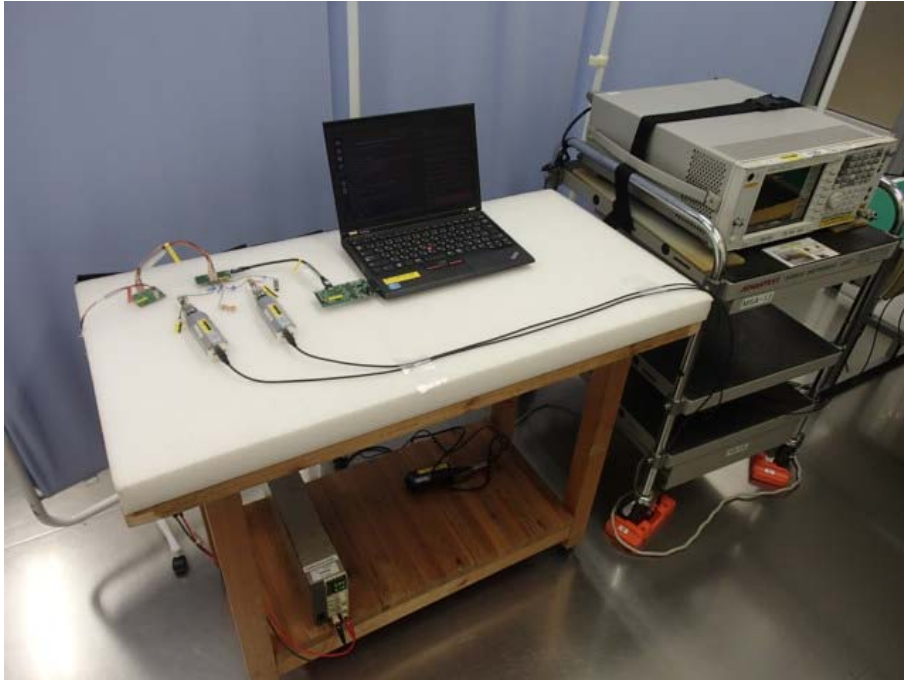


Photo 1

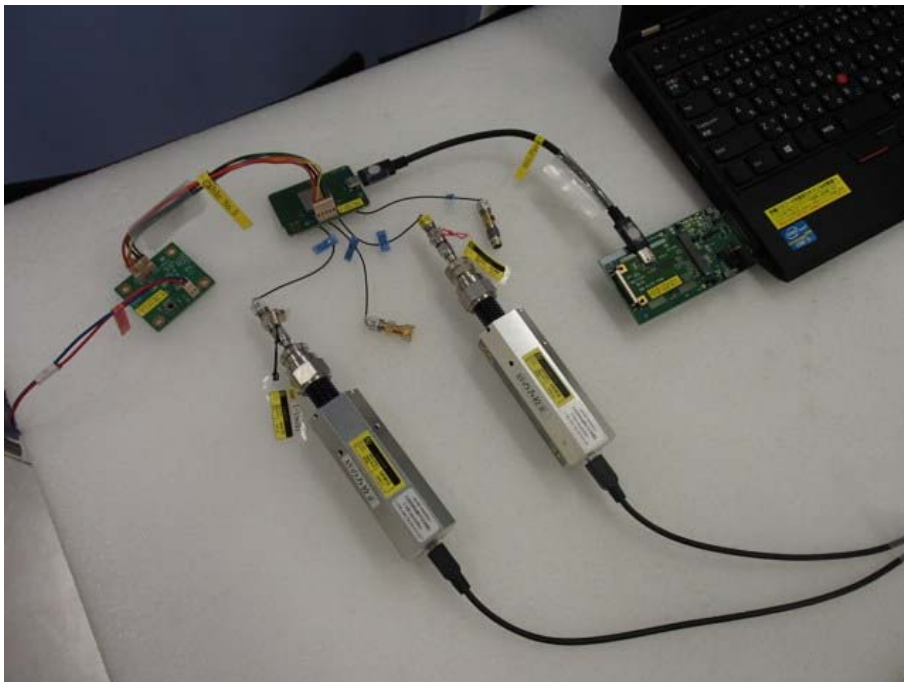
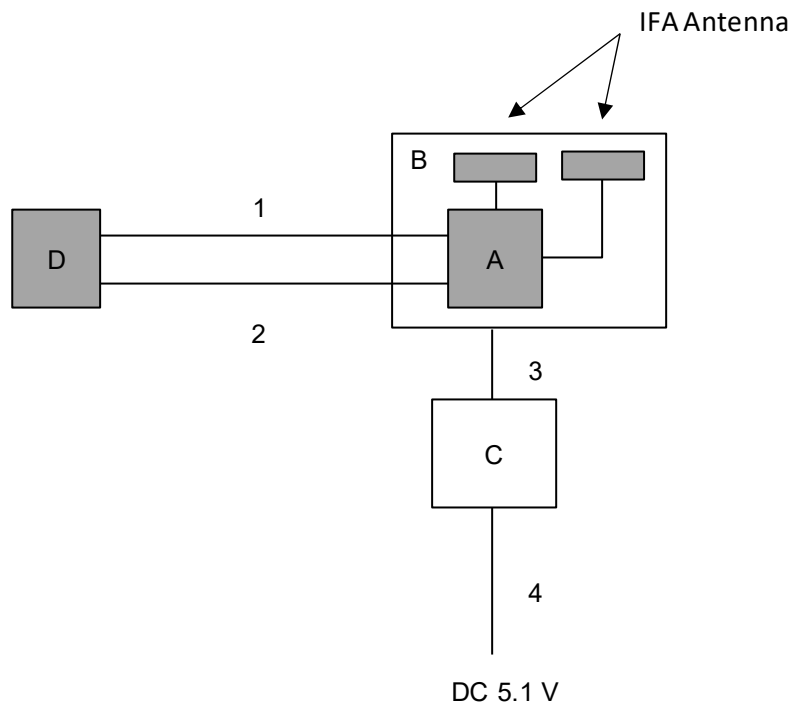


Photo 2

APPENDIX 4: Configuration and Peripherals

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 *1) Rad.No.2 *2)	Foxconn	EUT
B	Jig Board	WB-CERT_7_VIN(P1)	Rad.No.1 *1) Rad.No.2 *2)	Sony Interactive Entertainment Inc.	EUT Antenna 3 and 4
C	Jig Board	WLAN_JIG_Power_B	P-JIG No.3 *1) P-JIG No.2 *2)	Sony Interactive Entertainment Inc.	-
D	PIFA Antenna	L34RF084	231116A01W	LUXSHARE-ICT	EUT Antenna 1 and 2

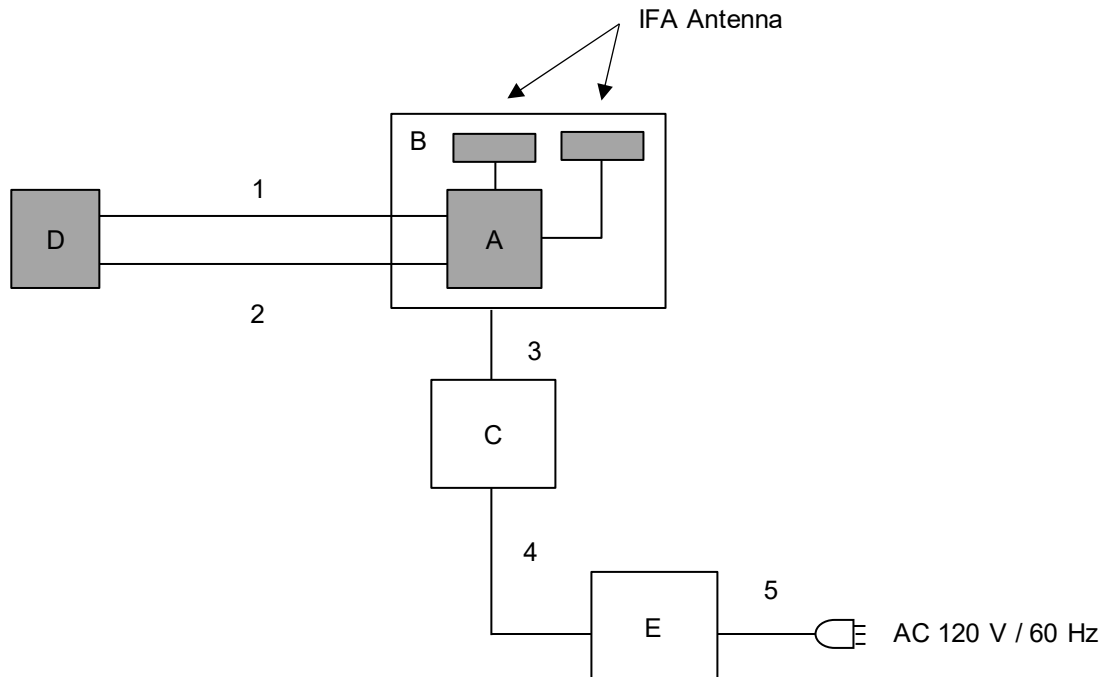
List of Cables Used

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	2.5	Unshielded	Unshielded	-

*1) Used for Radiated emissions (Below 1 GHz)

*2) Used for Radiated emissions (Above 1 GHz)

Conducted Emission



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

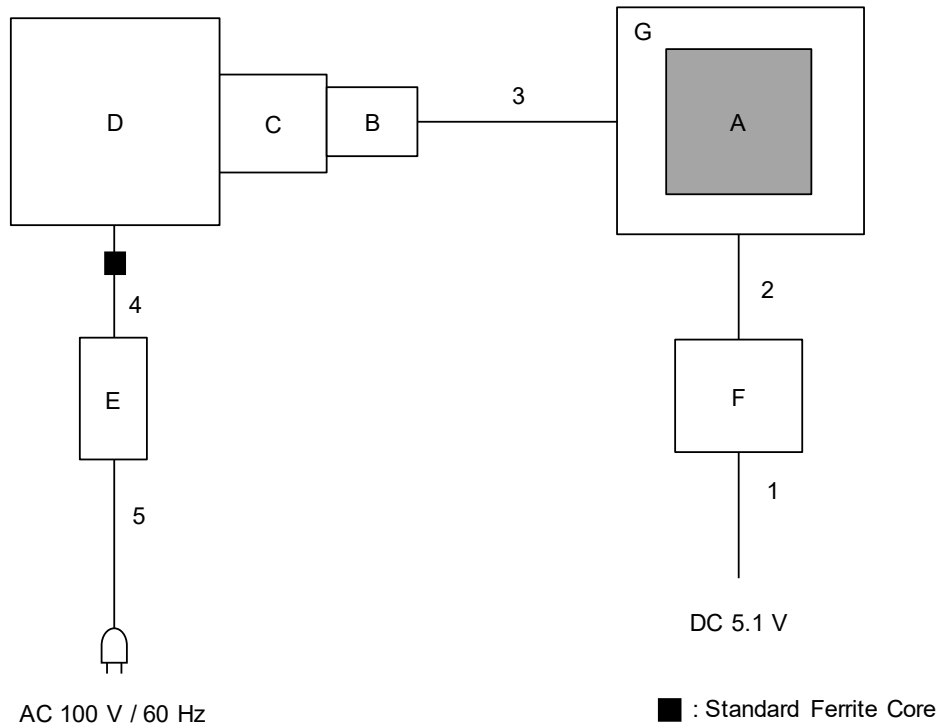
Description of EUT and Support Equipment

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	DC Power Supply	PMC35-2A	RM00298	Kikusui Electronics Corp.	-

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	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.3 *1)	Foxconn	EUT
			SIE:PPRO-α Con:No.2 *2)		
B	Jig Board	WB-PCIE-USB	SIE:Ppro PCIE-USB No.1 *1)	Sony Interactive Entertainment Inc.	-
			SIE:Ppro PCIE-USB No.4 *2)		
C	Jig Board	WB-PCIE-USB V9	SIE:Ppro EC-MC No.1 *1)	Marvell	-
			SIE:Ppro EC-MC No.4 *2)		
D	Laptop PC	ThinkPad X230	PK1R2NE *1)	Lenovo	-
			PK2EKL1 *2)		
E	AC Adaptor	ADLX65NLT2A	11S45N0319Z1ZLF3 7B8NG *1)	Lenovo	-
			11S45N0315Z1ZLZD 2CV60F *2)		
F	Jig Board	WLAN_JIG_Power_B	SIE:PPRO-C P-JIG:No.3 *1)	Sony Interactive Entertainment Inc.	-
			SIE:PPRO-C P-JIG:No.2 *2)		
G	Jig Board	WB_CERT_7_VIN(P3)	SIE:PPRO-α Con:No.3 *1)	Sony Interactive Entertainment Inc.	-
			SIE:PPRO-α Con:No.2 *2)		

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	-

*1) Used for test at high power setting and low power setting (11be-20 OFDM 5.2 GHz band / 5.3 GHz band)

*2) Used for test at low power setting (other than 11be-20 OFDM 5.2 GHz band / 5.3 GHz band)

End of Report