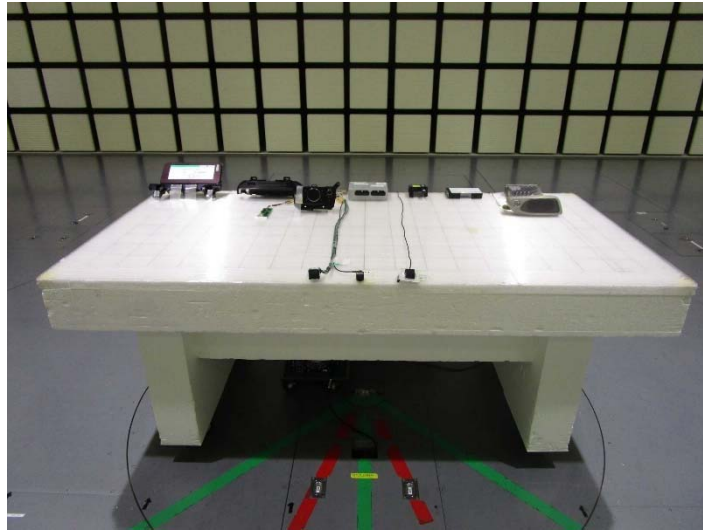


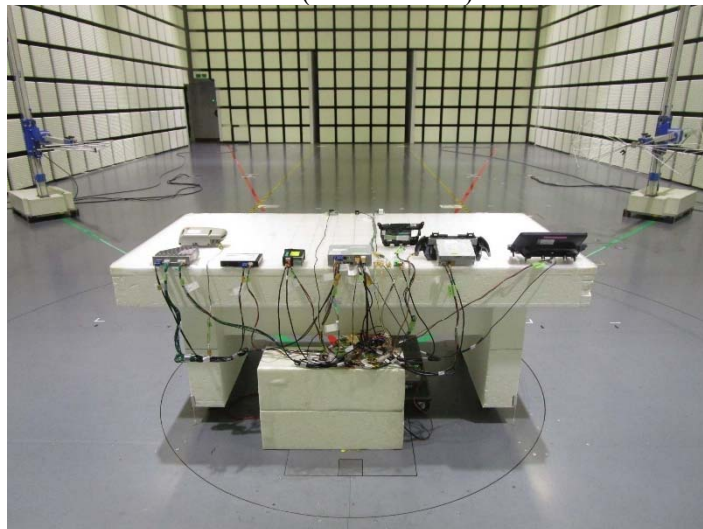
APPENDIX 3: Photographs of Test Setup

Radiated Spurious Emission

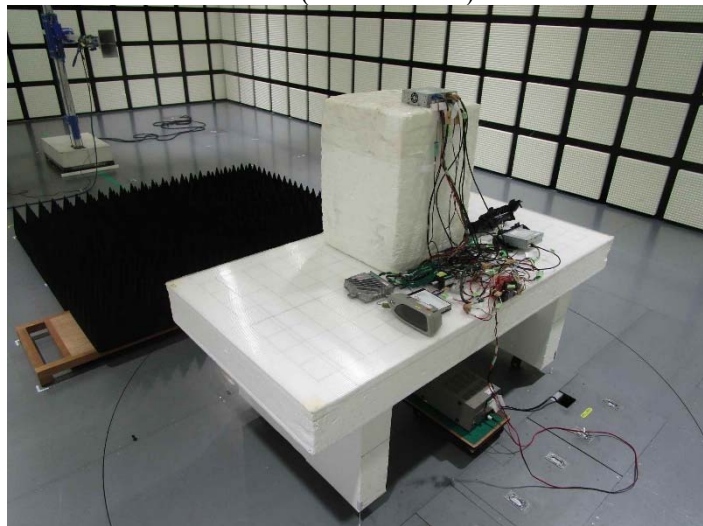
Front



Rear (Below 1 GHz)



Rear (Above 1 GHz)



Pre-check of Worst Case Position

0 deg.



28 deg.



Antenna Terminal Conducted Tests

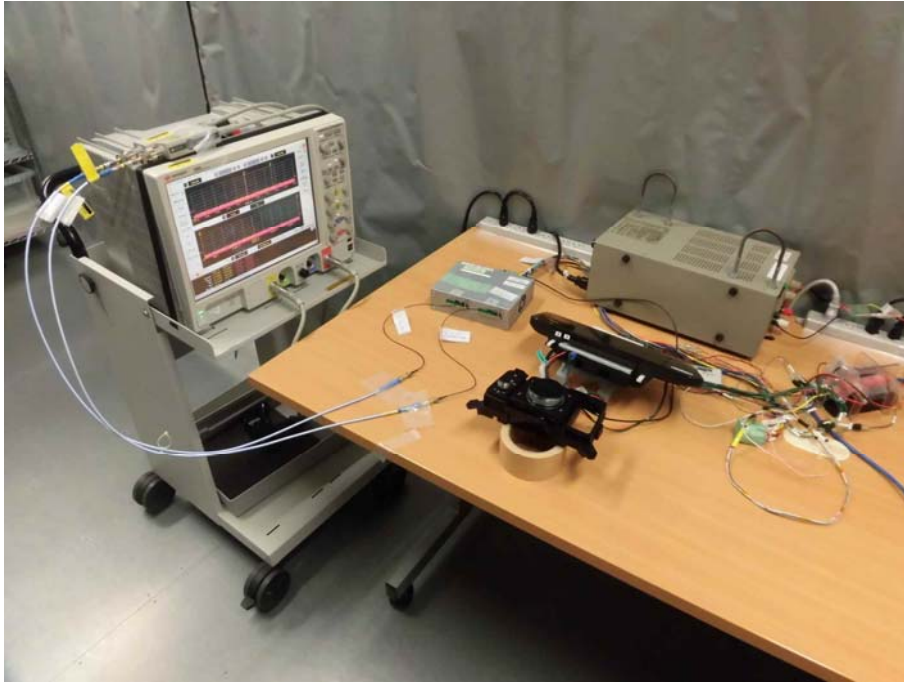


Photo 1

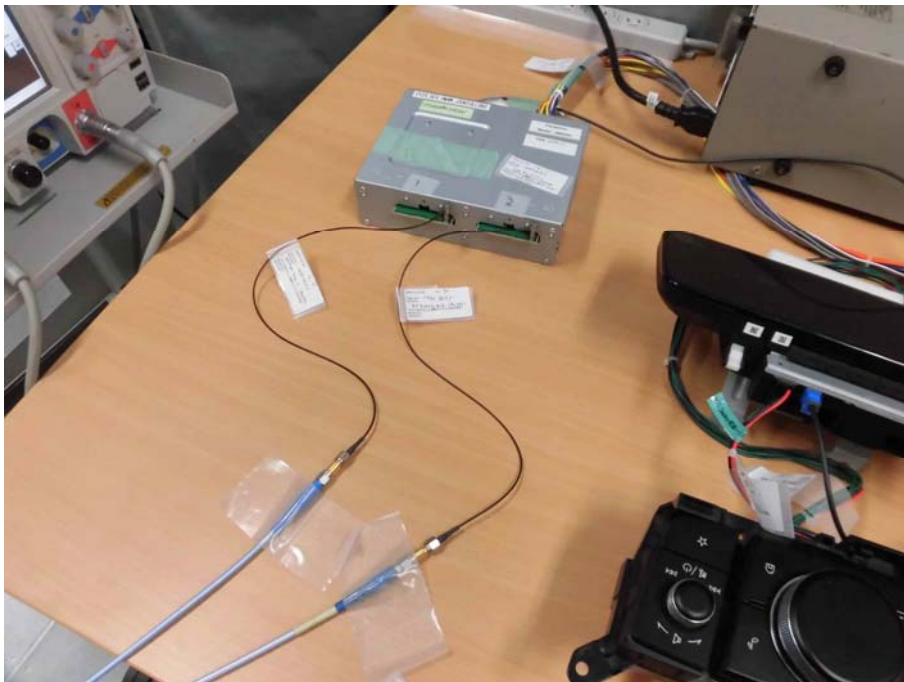
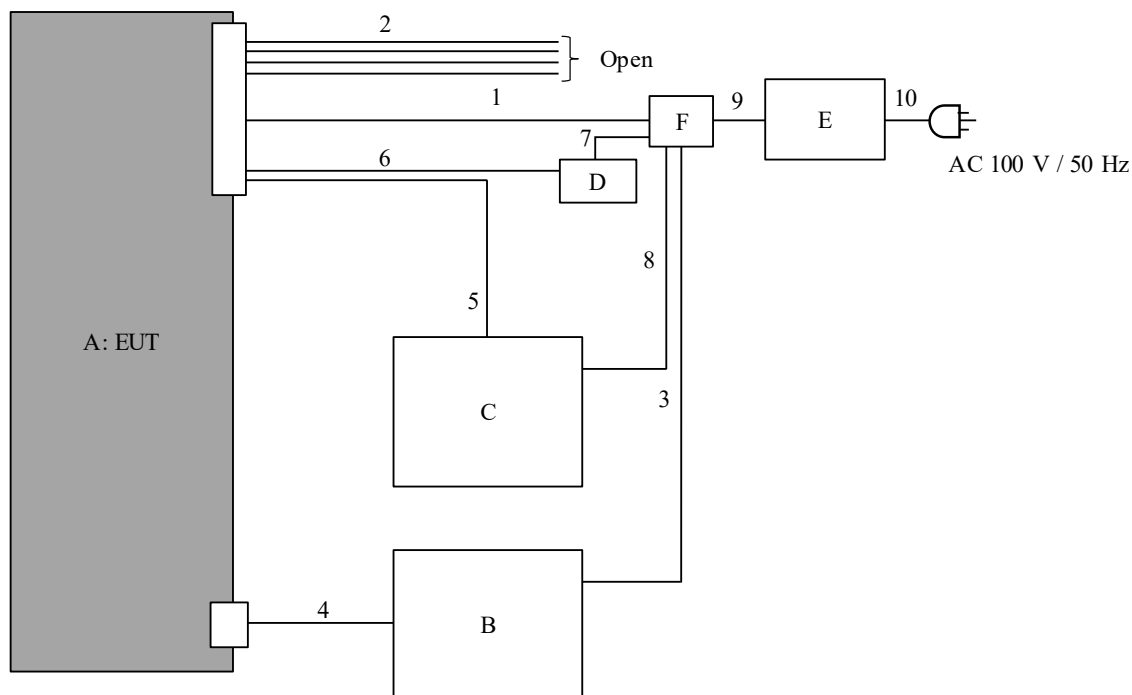


Photo 2

APPENDIX 4: Configuration and peripherals

[Antenna Terminal Conducted test]



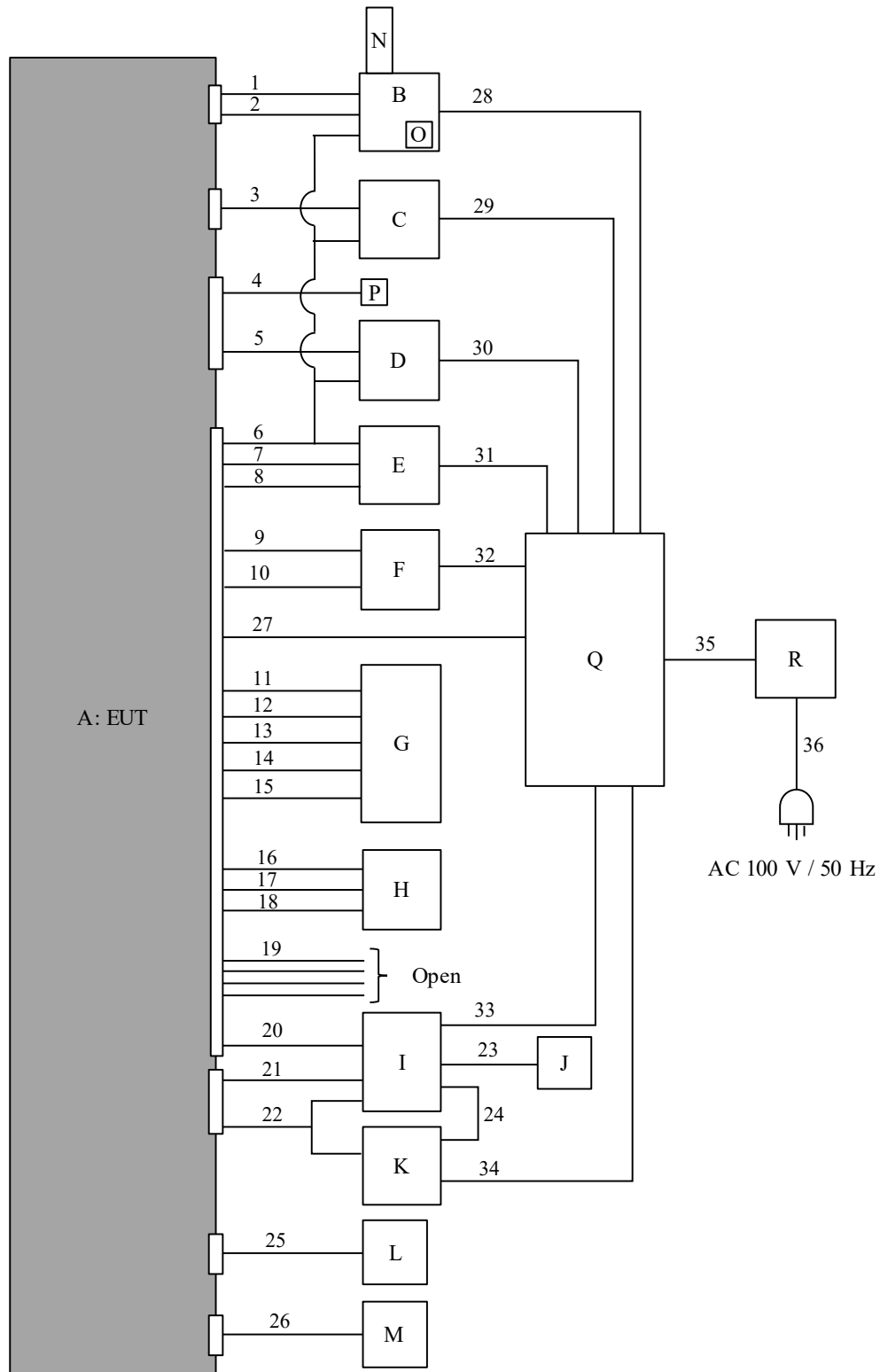
Description of EUT and Support Equipment

No.	Item	Model Number	Serial Number	Manufacturer	Remarks
A	AV Control Unit for In-Vehicle Infotainment	AM2201	CY23_DCV_HW4M_J30KFULL060	Panasonic Automotive Systems Co., Ltd.	EUT
B	Display	M7G Display (DCV)	[S]133	ALPINE ELECTRONICS	-
C	Commander	M7G Commander (DCV)	[S]452	ALPINE ELECTRONICS	-
D	CAN SIM BOX	TS17040-200	00376	Panasonic Automotive Systems Co., Ltd.	-
E	Power Supply (DC)	PAN35-10A	ML002085	KIKUSUI	-
F	DC sharing Box	RS-PDB125	No.061	-	-

List of Cables Used

No.	Name	Length (m)	Shield Cable	Connector	Remarks
1	DC	1.0	Unshielded	Unshielded	-
2	Signal	1.0	Unshielded	Unshielded	-
3	DC	1.0	Unshielded	Unshielded	-
4	Signal	1.0	Shielded	Shielded	-
5	Signal	1.0	Unshielded	Unshielded	-
6	Signal	1.0 + 0.5	Unshielded	Unshielded	-
7	DC	0.5	Unshielded	Unshielded	-
8	DC	1.0	Unshielded	Unshielded	-
9	DC	0.5 + 1.5	Unshielded	Unshielded	-
10	AC	2.0	Unshielded	Unshielded	-

[Radiated emission test]



* 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	AV Control Unit for In-Vehicle Infotainment	AM2201	CY23_DCV_HW4M_J30KFULL063, *1) CY23_DCV_HW4M_J30KFULL052 *2)	Panasonic Automotive Systems Co., Ltd.	EUT
B	Rear Hub	MD4118/46	CG00171211	Huizhou Desay SV Automotive	-
C	C-Display	K19K-611J0	B10827550	ALPSALPINE CO.,LTD.	-
D	CD Deck	MD4608/46	7GC1-669G0-035	Huizhou Desay SV Automotive	-
E	Commander	BDGF 66 CM0	SAJMC2A028AE	ALPINE ELECTRONICS	-
F	CAN SIM BOX	TS17040-200	00068	Panasonic Automotive Systems Co., Ltd.	-
G	Microphone	BDGF 66 EM0	046	MITSUMI ELECTRIC CO., LTD.	-
H	ST-SW	7GCMU	[S] 300	Panasonic Automotive Systems Co., Ltd.	-
I	Amp	BDGF-66A20	SD-8453-25	MITSUBISHI	-
J	Speaker	KYOTO AK-323	[S] 080	Catch Hunter	-
K	RT	BDGG 66 DR0	500213	Panasonic Automotive Systems Co., Ltd.	-
L	Camera	K4238	DN237410-9990	DENSO Corporation	-
M	GPS Antenna	GML8 66 DY0	329493	HARADA INDUSTRY Co.,LTD	-
N	USB Memory	SDDC2	-	SanDisk	-
O	SD Card	-	-	-	-
P	Jig board	-	-	-	-
Q	DC sharing Box	RS-PDB125	No.061	-	-
R	Power Supply (DC)	PAN35-10A	ML002085	KIKUSUI	-

*1) Used for Wireless LAN (U-NII-3 band) tests.

*2) Used for Wireless LAN (U-NII-3 band) and Bluetooth, co-location tests.

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	Signal	2.0	Shielded	Shielded	-
2	Signal	2.0	Shielded	Shielded	-
3	Signal	2.0	Shielded	Shielded	-
4	Signal	2.6	Shielded	Shielded	-
5	Signal	2.6	Shielded	Shielded	-
6	PWR-CTRL	2.0 + 0.5	Unshielded	Unshielded	-
7	RS-485 +	2.0 + 1.0	Unshielded	Unshielded	-
8	RS-485 -	2.0 + 1.0	Unshielded	Unshielded	-
9	PBLC HS CAN +	2.0 + 0.15	Unshielded	Unshielded	-
10	PBLC HS CAN -	2.0 + 0.15	Unshielded	Unshielded	-
11	MIC PWR	2.0 + 1.0	Unshielded	Unshielded	-
12	MIC GND	2.0 + 1.0	Unshielded	Unshielded	-
13	MIC IN +	2.0 + 1.0	Unshielded	Unshielded	-
14	MIC IN -	2.0 + 1.0	Unshielded	Unshielded	-
15	MIC MODE IN	2.0 + 1.0	Unshielded	Unshielded	-
16	ST SW1	2.0 + 0.1	Unshielded	Unshielded	-
17	ST SW2	2.0 + 0.1	Unshielded	Unshielded	-
18	ST SW3	2.0 + 0.1	Unshielded	Unshielded	-
19	Signal	2.0	Unshielded	Unshielded	-
20	MOST Wakeup	2.0	Unshielded	Unshielded	-
21	Signal	2.0	Unshielded	Unshielded	-
22	Signal	2.0	Unshielded	Unshielded	-
23	Speaker	1.0 + 0.6	Unshielded	Unshielded	-
24	Signal	1.0	Unshielded	Unshielded	-
25	Camera	2.4	Shielded	Shielded	-
26	GPS Antenna	2.2	Shielded	Shielded	-
27	DC	2.0	Unshielded	Unshielded	-
28	DC	1.0	Unshielded	Unshielded	-
29	DC	1.0	Unshielded	Unshielded	-
30	DC	1.0	Unshielded	Unshielded	-
31	DC	1.0	Unshielded	Unshielded	-
32	DC	1.0	Unshielded	Unshielded	-
33	DC	1.0	Unshielded	Unshielded	-
34	DC	1.0	Unshielded	Unshielded	-
35	DC	0.5 + 2.0	Unshielded	Unshielded	-
36	AC	2.0	Unshielded	Unshielded	-

End of Report