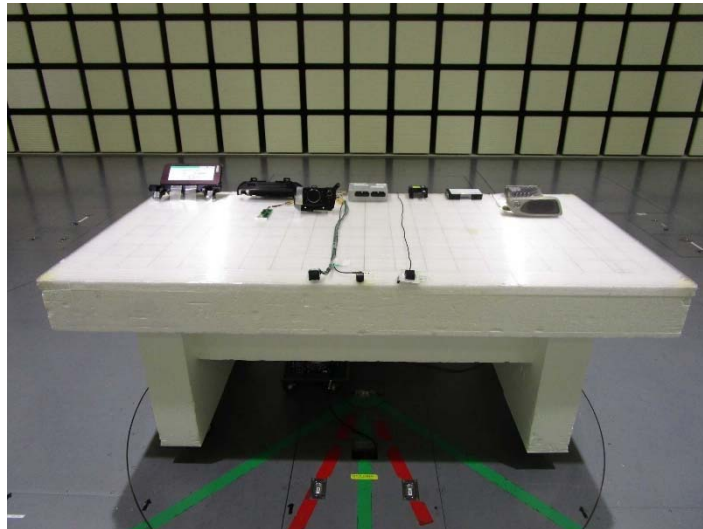


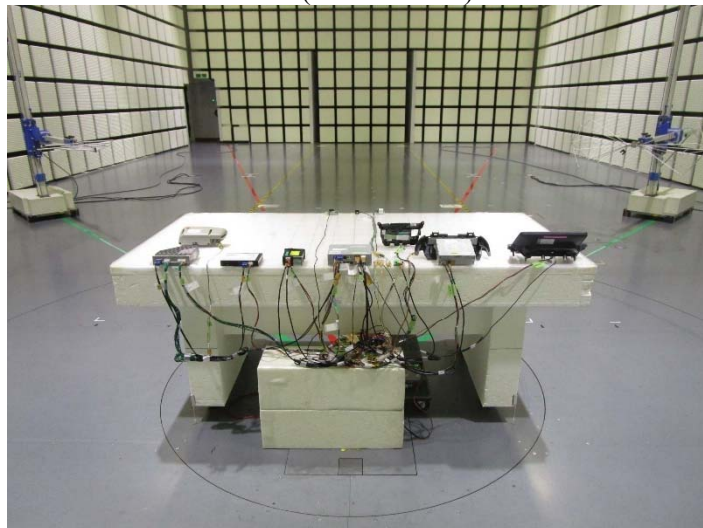
APPENDIX 3: Photographs of Test Setup

Radiated Spurious Emission

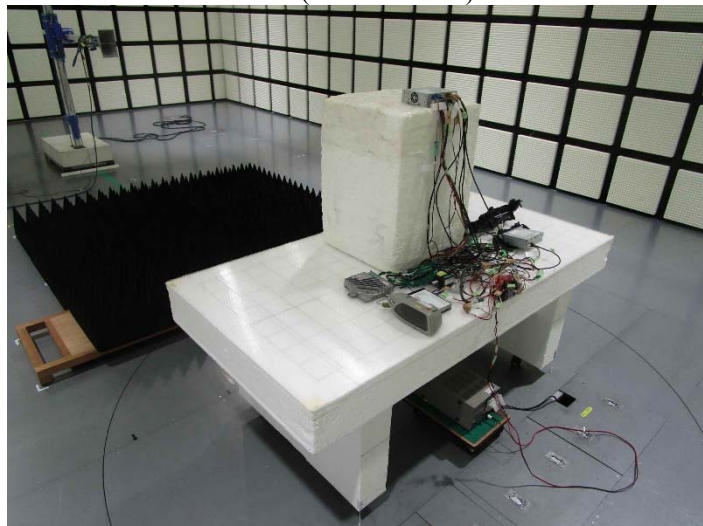
Front



Rear (Below 1 GHz)



Rear (Above 1 GHz)



Pre-check of Worst Case Position

0 deg.



28 deg.



Antenna Terminal Conducted Tests

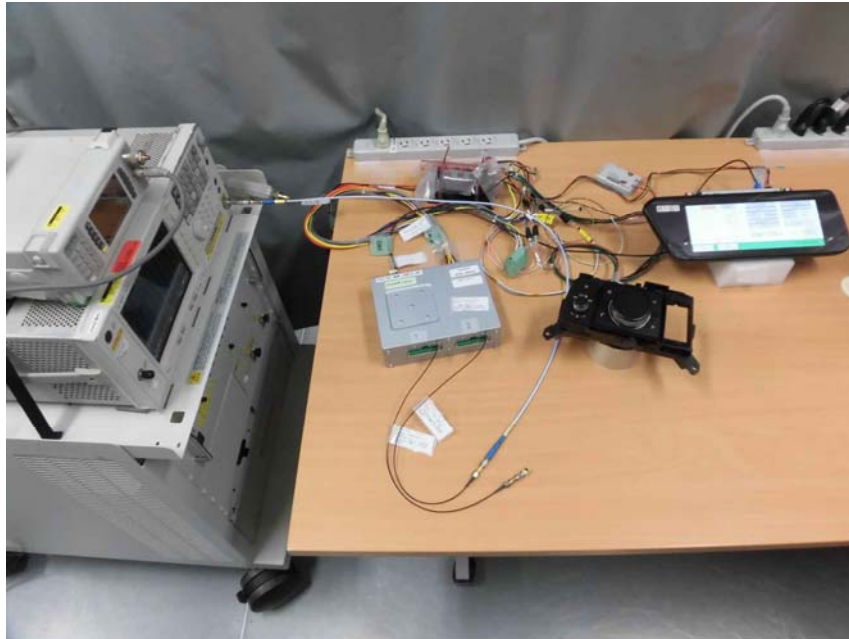


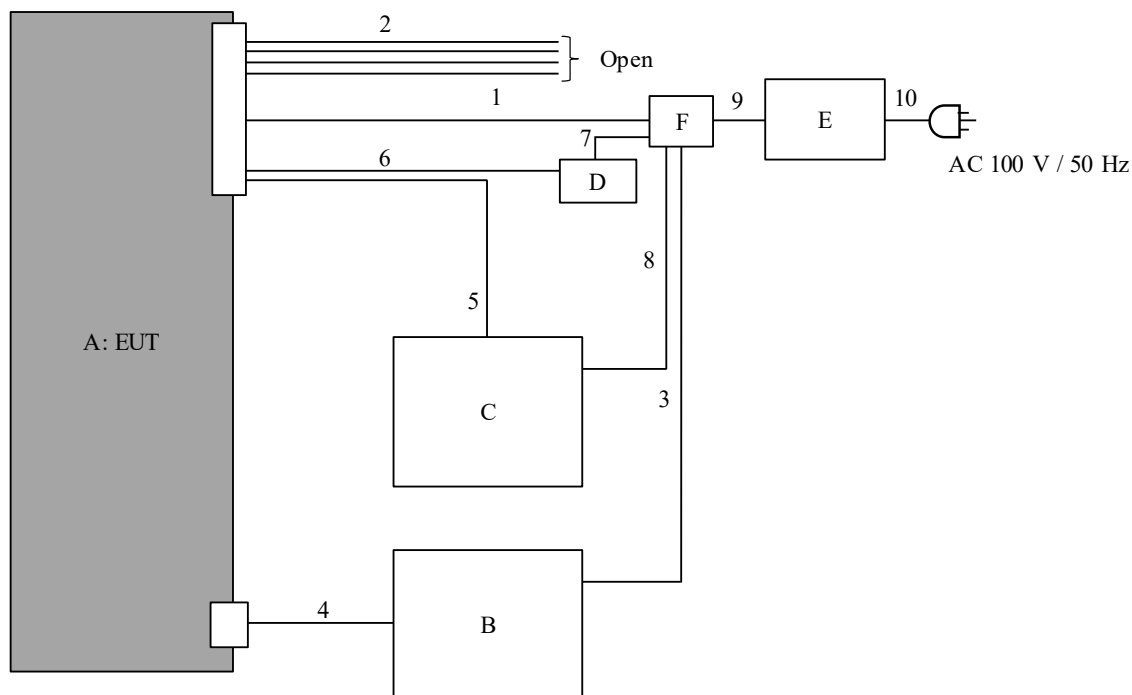
Photo 1



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	-

The diagram illustrates the internal wiring of a cable assembly. On the left, a vertical grey bar represents the cable jacket, with 27 pins numbered 1 to 27. The pins are connected to various components as follows:

- Pins 1 and 2 connect to component B.
- Pins 3 and 4 connect to component C.
- Pins 5 and 6 connect to component D.
- Pins 7 and 8 connect to component E.
- Pins 9 and 10 connect to component F.
- Pins 11, 12, 13, 14, and 15 connect to component G.
- Pins 16, 17, and 18 connect to component H.
- Pins 19, 20, and 21 connect to component I.
- Pins 22 and 23 connect to component J.
- Pins 24 and 25 connect to component K.
- Pins 26 and 27 connect to component L.

Component M is connected to pin 26. Component N is connected to pin 27. Component P is connected to pin 4. Component Q is a central unit that receives signals from components B, C, D, E, F, G, H, I, J, K, L, and M. Component R is a power supply unit connected to Q. The diagram also shows a power source (AC 100 V / 50 Hz) connected to R.

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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	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	-

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