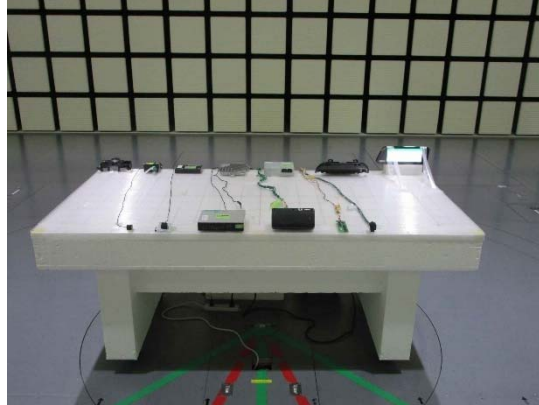


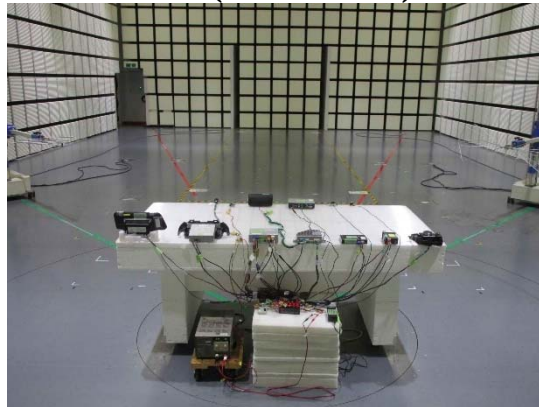
APPENDIX 3: Photographs of test setup

Radiated Spurious Emission

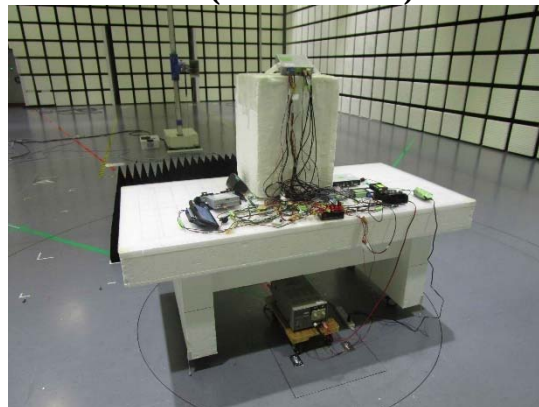
Front



Rear(Below 1 GHz)

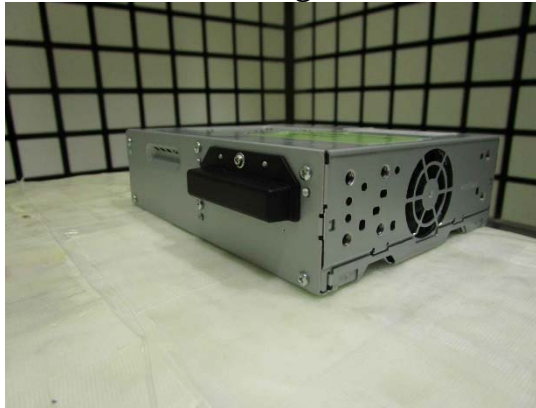


Rear(Above 1 GHz)



Pre-check of Worst Case Position

0 deg



28 deg



Antenna Terminal Conducted Tests



Photo 1

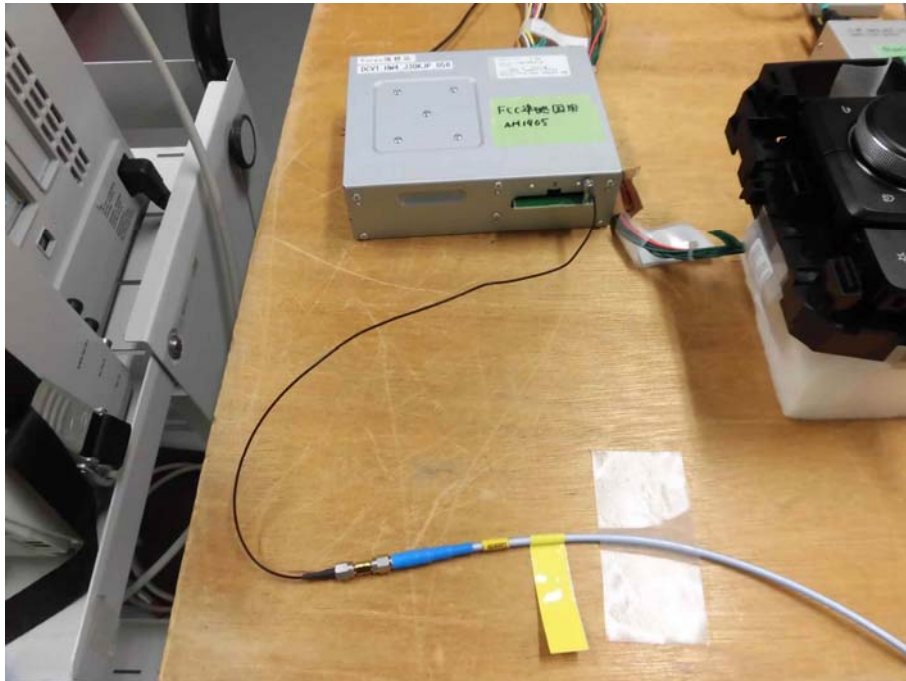
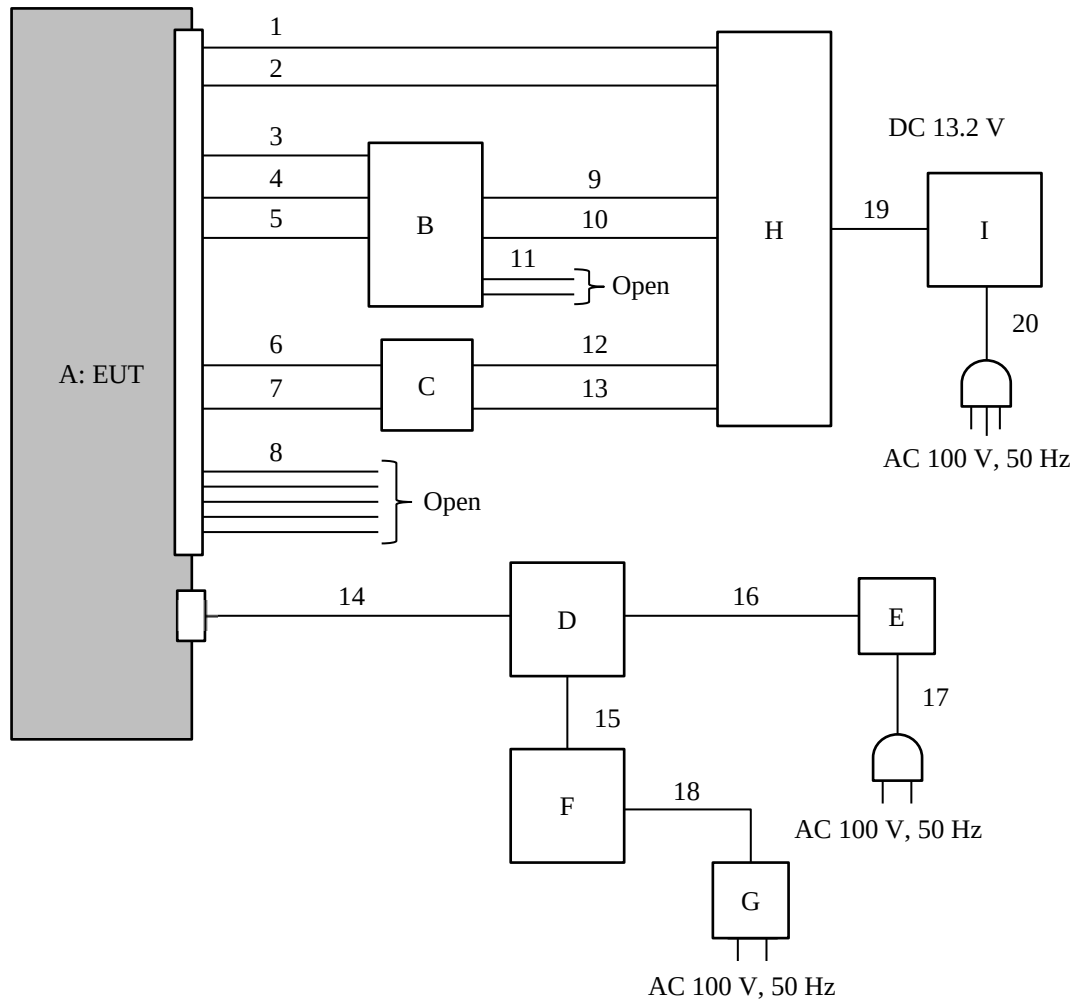


Photo 2

APPENDIX 4: Configuration and peripherals

For 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	AM1905	DCV1_HW4_J30KJP_058	Panasonic Corporation	EUT
B	Commander	BDGF 66 CM0	SAJMC2A028AE	ALPINE ELECTRONICS	-
C	CAN SIM BOX	TS17040-200	00076	Panasonic Corporation	-
D	GMSL Display Box	GMSL-DVI-BOX2	00369	-	-
E	AC Adaptor	UNI345-1238	J08-0670763	UNIFIVE	-
F	LCD Display	LCD-10000VH5	1609U-01	Century	-
G	AC Adaptor	GCF312S-0520	1608-0000226	UNIWAYPO	-
H	Power Box	ROCKI	413	Panasonic Corporation	-
I	Power Supply (DC)	PAN35-10A	ML002085	KIKUSUI	-

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	B+	1.0	Unshielded	Unshielded	-
2	GND	1.0	Unshielded	Unshielded	-
3	PWR-CTRL	1.0	Unshielded	Unshielded	-
4	RS-485 +	1.0	Unshielded	Unshielded	-
5	RS-485 -	1.0	Unshielded	Unshielded	-
6	PBLC HS CAN +	1.0 + 0.15	Unshielded	Unshielded	-
7	PBLC HS CAN -	1.0 + 0.15	Unshielded	Unshielded	-
8	Signal	1.0	Unshielded	Unshielded	-
9	BATT	1.0	Unshielded	Unshielded	-
10	GND	1.0	Unshielded	Unshielded	-
11	Signal	1.0	Unshielded	Unshielded	-
12	BATT	0.5	Unshielded	Unshielded	-
13	GND	0.5	Unshielded	Unshielded	-
14	GMSL	1.0	Shielded	Shielded	-
15	DVI-HDMI	1.0	Shielded	Shielded	-
16	DC	1.4	Unshielded	Unshielded	-
17	AC	1.8	Unshielded	Unshielded	-
18	DC	1.6	Unshielded	Unshielded	-
19	DC	0.5 + 20	Unshielded	Unshielded	-
20	AC	2.0	Unshielded	Unshielded	-

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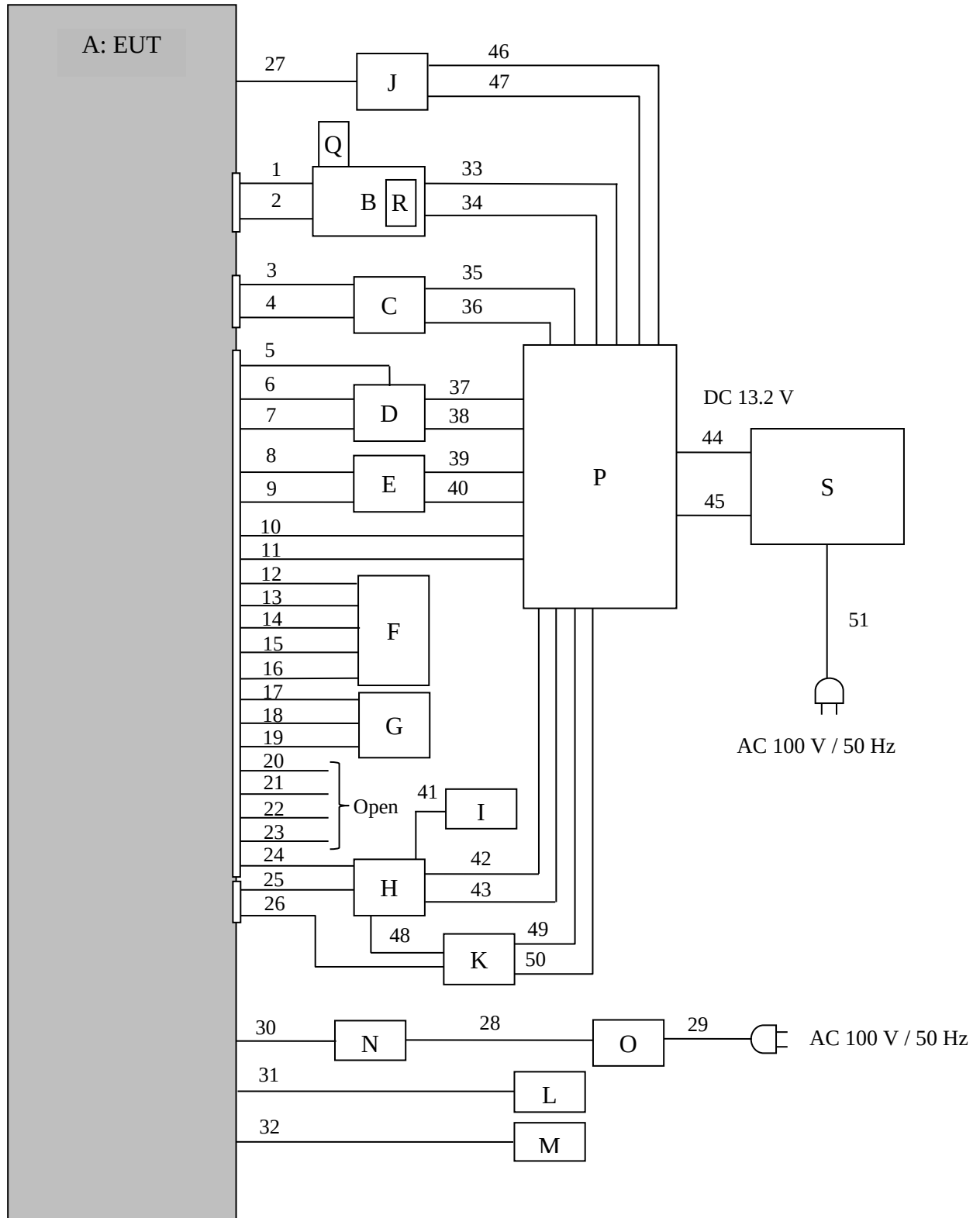
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For Radiated Emission



* 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	AV Control Unit for In-Vehicle Infotainment	AM1905	DCV1_HW4_J30KJP_058	Panasonic Corporation	EUT
B	Rear Hub	MD4128/46	CG00171211	Huizhou Desay SV Automotive	-
C	CD Deck	MD4608/46	CG00171031	Huizhou Desay SV Automotive	-
D	Commander	BDGF 66 CM0	SAJMC2A028AE	ALPINE ELECTRONICS	-
E	CAN SIM BOX	TS17040-200	00068	Panasonic Corporation	-
F	Microphone	BDGF 66 EM0	046	MITSUMI ELECTRIC CO., LTD.	-
G	ST-SW	7GCMU	[S] 300	Panasonic Corporation	-
H	Amp	BDGF-66A20	SD-8453-25	MITSUBISHI	-
I	Speaker	KYOTO	-	Catch Hunter	-
J	C-Display	D41S-611J0	B90424161	ALPINE ELECTRONICS	-
K	RT	BDMD 66 DR0	500106	Panasonic Corporation	-
L	Camera	K4238	DN237410-9990	DENSO Corporation	-
M	GPS Antenna	KA986	D09H66 DY0-Y01	MITSUMI ELECTRIC CO., LTD.	-
N	GMSL Display Box	GMSL-DVI-BOX2	00019	-	-
O	AC adapter	UIA324-12	H03-0255303	MISUMI Corporation	-
P	Power Box	ROCKI	069	Panasonic Corporation	-
Q	USB Memory	USM4GU	-	Sony	-
R	SD Card	BOYO 79EZ1	640	-	-
S	Power Supply	PAN35-10A	NA000955	KIKUSUI	-

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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	2.0	Shielded	Shielded	-
5	PWR-CTRL	2.0	Unshielded	Unshielded	-
6	RS-485 +	2.0	Unshielded	Unshielded	-
7	RS-485 -	2.0	Unshielded	Unshielded	-
8	PBLC HS CAN +	2.0 + 0.15	Unshielded	Unshielded	-
9	PBLC HS CAN -	2.0 + 0.15	Unshielded	Unshielded	-
10	B+	2.5	Unshielded	Unshielded	-
11	GND	2.5	Unshielded	Unshielded	-
12	MIC PWR	2.0 + 1.0	Unshielded	Unshielded	-
13	MIC GND	2.0 + 1.0	Unshielded	Unshielded	-
14	MIC IN +	2.0 + 1.0	Unshielded	Unshielded	-
15	MIC IN -	2.0 + 1.0	Unshielded	Unshielded	-
16	MIC MODE IN	2.0 + 1.0	Unshielded	Unshielded	-
17	ST SW1	2.1	Unshielded	Unshielded	-
18	ST SW2	2.1	Unshielded	Unshielded	-
19	ST SW3	2.1	Unshielded	Unshielded	-
20	N.C (ACC)	2.0	Unshielded	Unshielded	-
21	Signal	2.0	Unshielded	Unshielded	-
22	Signal	2.0	Unshielded	Unshielded	-
23	Signal	2.0	Unshielded	Unshielded	-
24	Signal	2.0	Unshielded	Unshielded	-
25	Signal	2.0	Shielded	Shielded	-
26	Signal	2.0	Shielded	Shielded	-
27	Signal	2.0	Shielded	Shielded	-
28	DC	1.8	Unshielded	Unshielded	-
29	AC	1.7	Unshielded	Unshielded	-
30	GMSL	2.0	Shielded	Shielded	-
31	Camera	2.4	Shielded	Shielded	-
32	GPS Antenna	1.2	Shielded	Shielded	-
33	BATT	1.0	Unshielded	Unshielded	-
34	GND	1.0	Unshielded	Unshielded	-
35	BATT	1.0	Unshielded	Unshielded	-
36	GND	1.0	Unshielded	Unshielded	-
37	BATT	1.0	Unshielded	Unshielded	-
38	GND	1.0	Unshielded	Unshielded	-
39	BATT	0.5	Unshielded	Unshielded	-
40	GND	0.5	Unshielded	Unshielded	-
41	Speaker	1.0	Unshielded	Unshielded	-
42	BATT	1.0	Unshielded	Unshielded	-
43	GND	1.0	Unshielded	Unshielded	-
44	BATT	0.5 + 2.0	Unshielded	Unshielded	-
45	GND	0.5 + 2.0	Unshielded	Unshielded	-
46	BATT	1.0	Unshielded	Unshielded	-
47	GND	1.0	Unshielded	Unshielded	-
48	Signal	2.0	Shielded	Shielded	-
49	BATT	1.0	Unshielded	Unshielded	-
50	GND	1.0	Unshielded	Unshielded	-
51	AC	1.8	Unshielded	Unshielded	-

End of Report

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