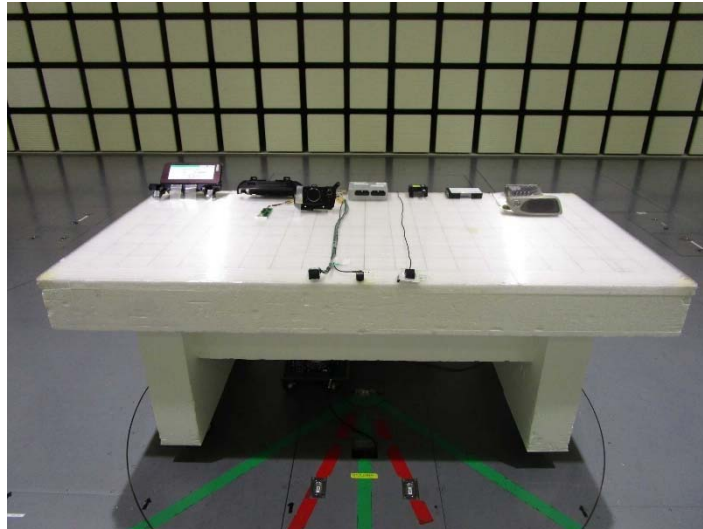


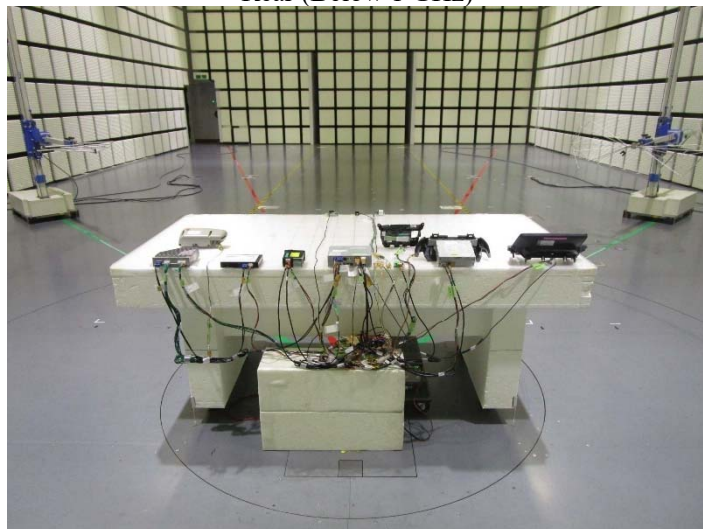
### **APPENDIX 3: Photographs of test setup**

#### **Radiated Spurious Emission**

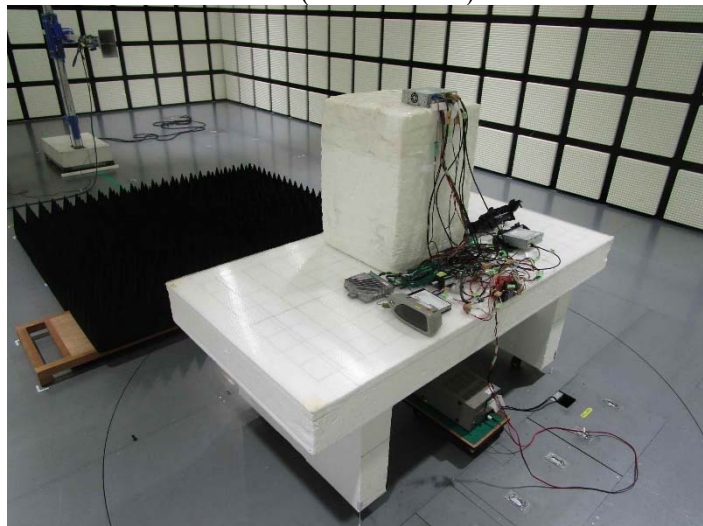
Front



Rear (Below 1 GHz)



Rear (Above 1 GHz)



---

**Pre-check of Worst Case Position**

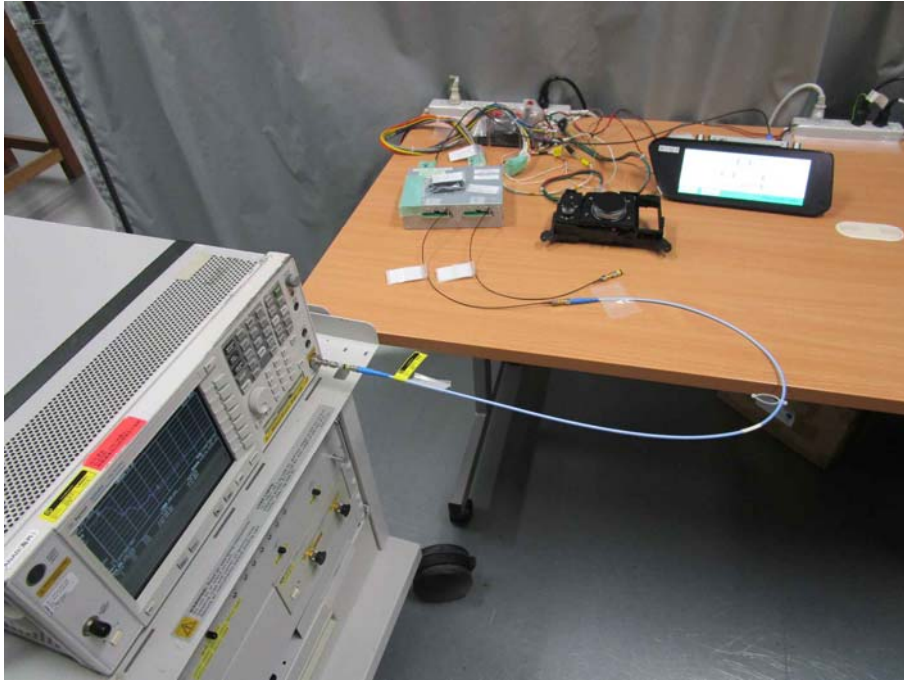
**0 deg.**



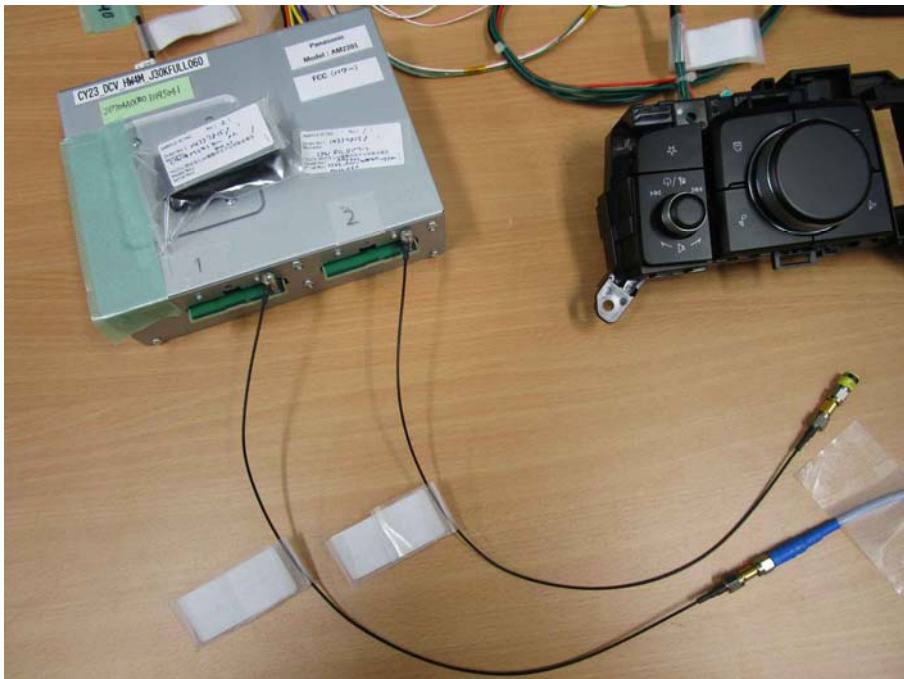
**28 deg.**



### Antenna Terminal Conducted Tests



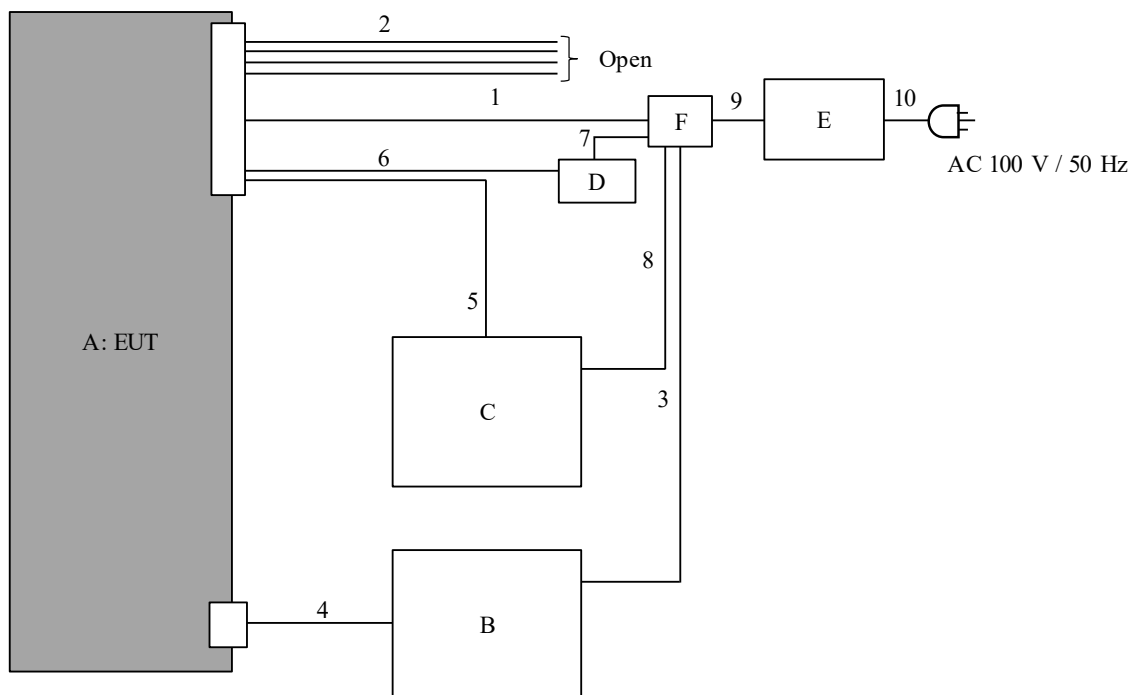
**Photo 1**



**Photo 2**

## APPENDIX 4: Configuration and peripherals

[Antenna Terminal Conducted test]



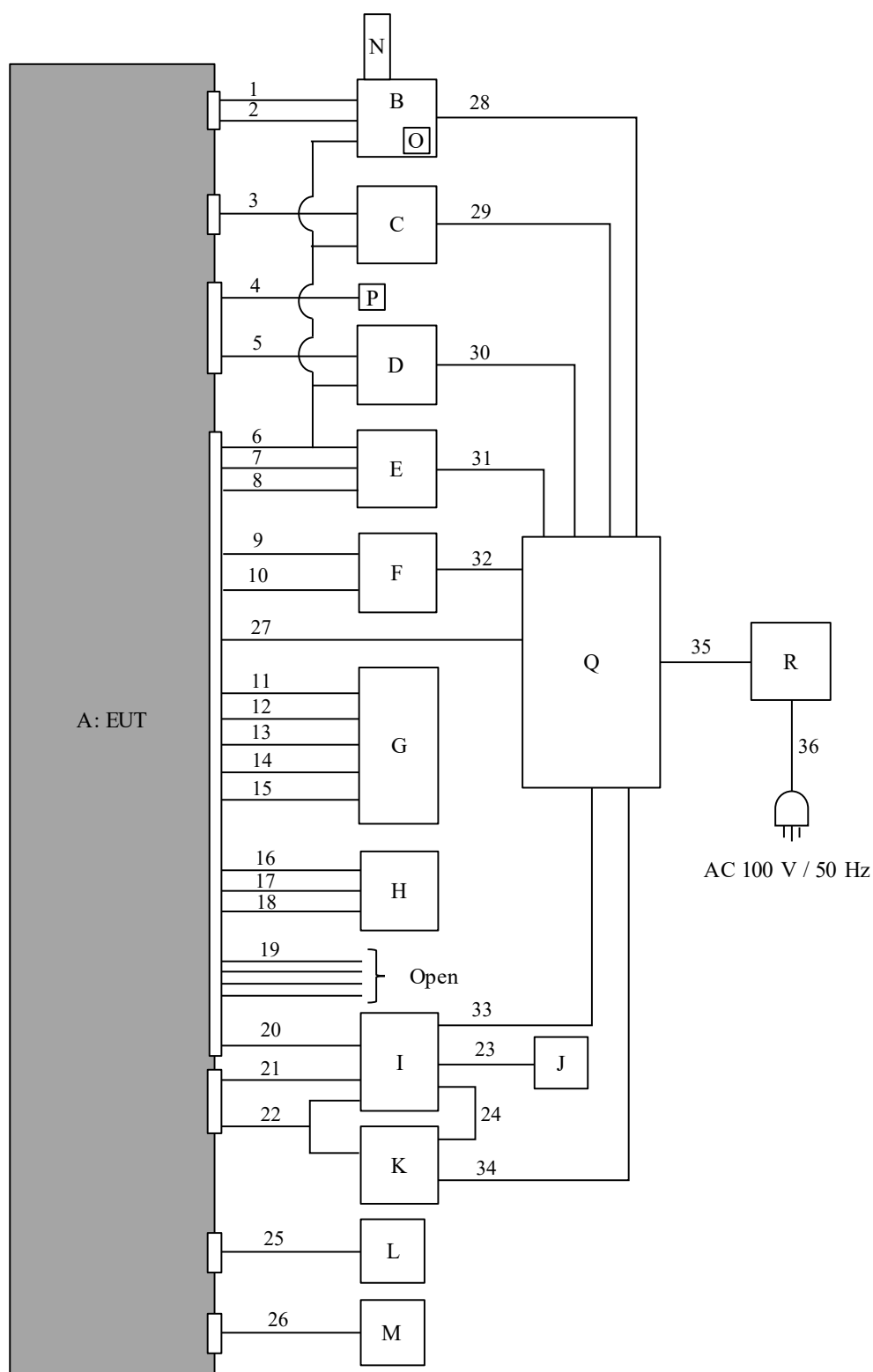
### Description of EUT and Support Equipment

| 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     |            | Remarks |
|-----|--------|------------|------------|------------|---------|
|     |        |            | Cable      | Connector  |         |
| 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)<br>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 Bluetooth radio tests.

\*2) Used for Bluetooth and Wireless LAN (U-NII-3 band), 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**