

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

#### **Conducted emission**

Antenna:2dBi

Front view



Side view



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

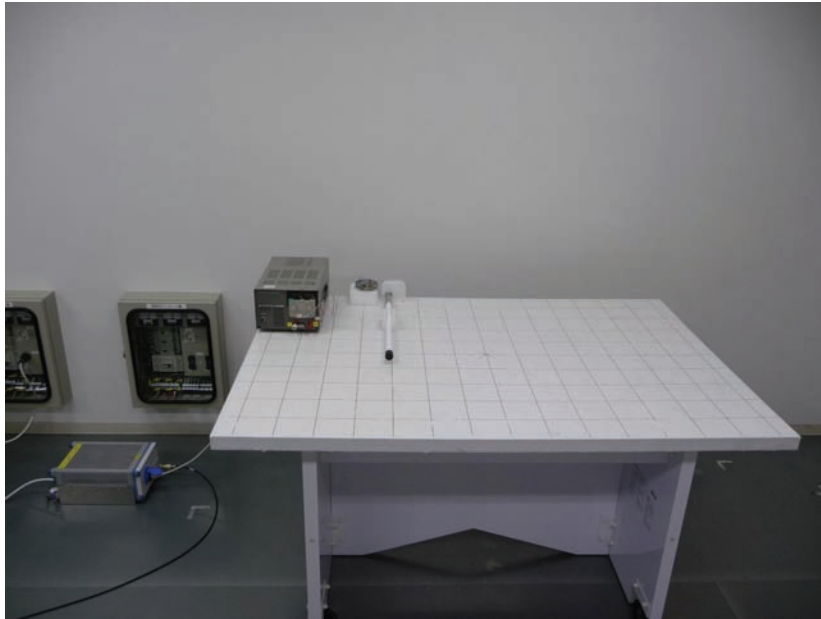
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

**Antenna:6dBi**

Front view



Side view



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Antenna:9dBi

Front view



Side view



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Antenna:15dBi

Front view



Side view



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

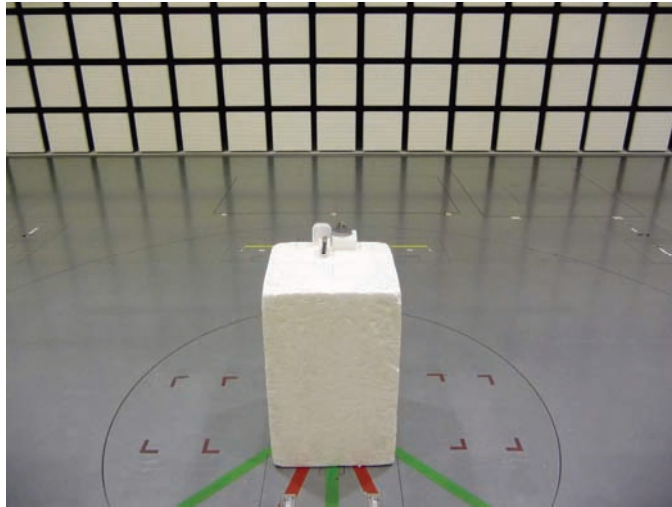
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

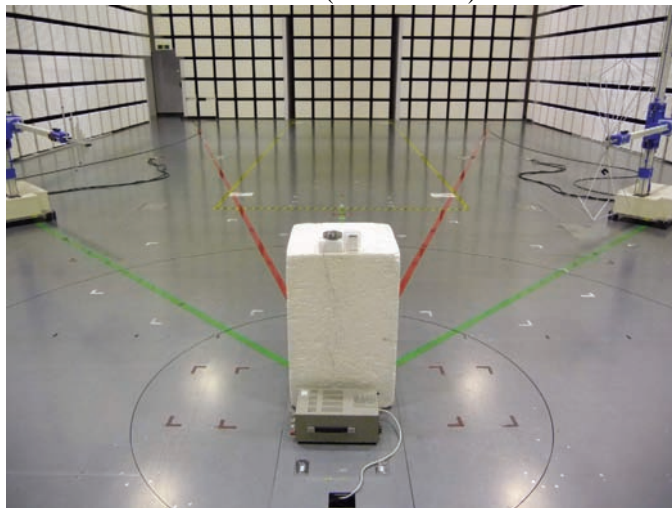
**Radiated emission**

**Antenna:2dBi**

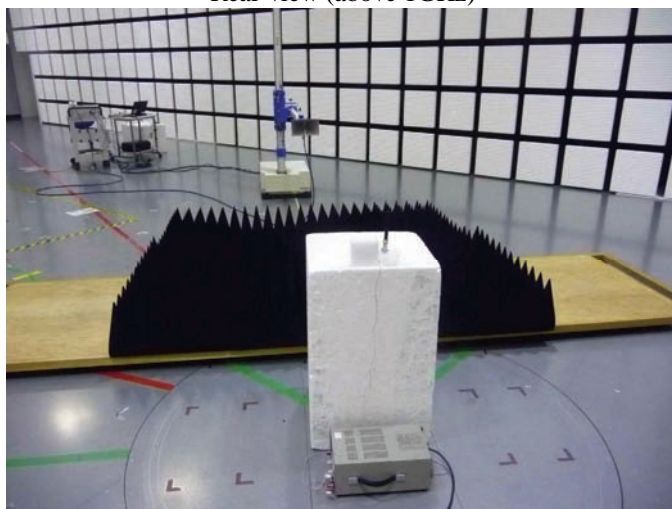
Front view



Rear view (below 1GHz)



Rear view (above 1GHz)



**UL Japan, Inc.**  
**Shonan EMC Lab.**

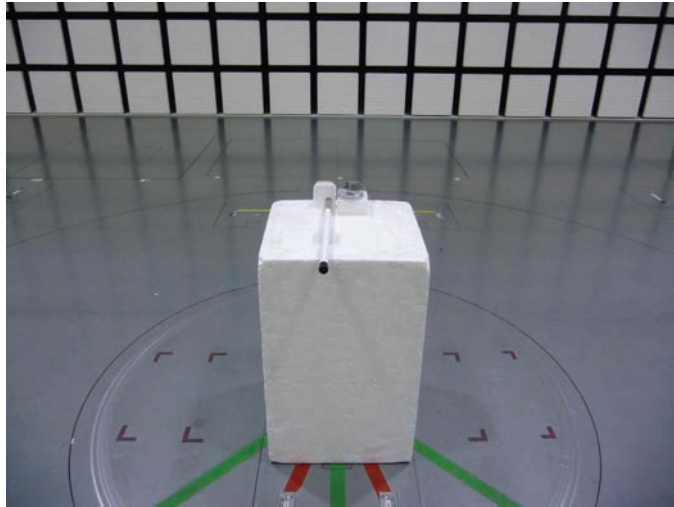
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

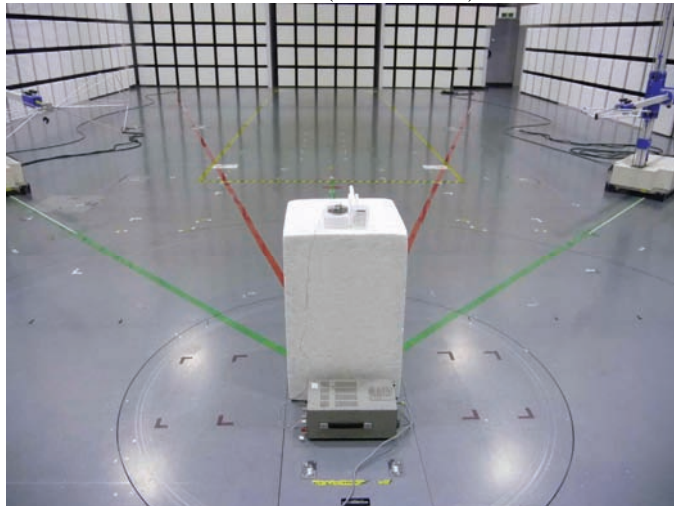
Facsimile : +81 463 50 6401

**Antenna:6dBi**

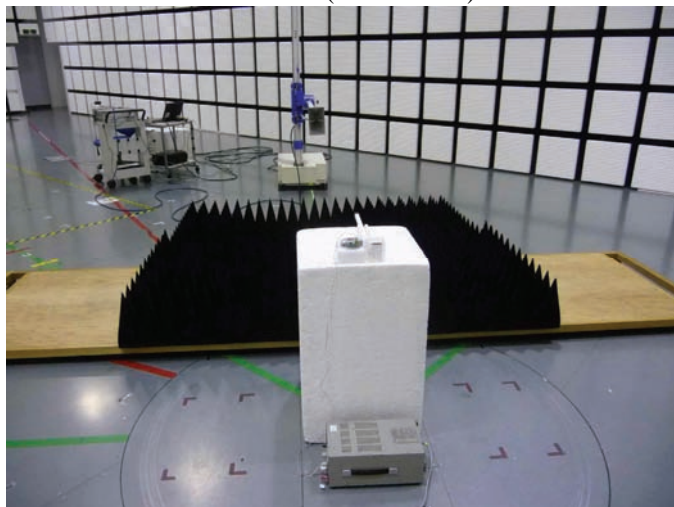
Front view



Rear view (below 1GHz)



Rear view (above 1GHz)



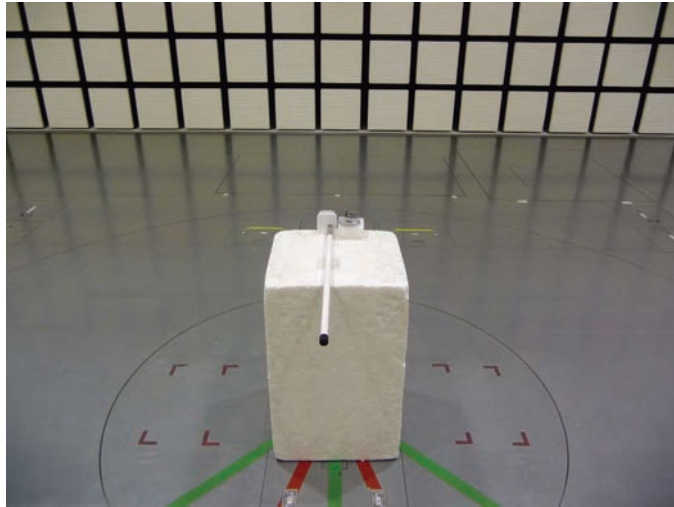
---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

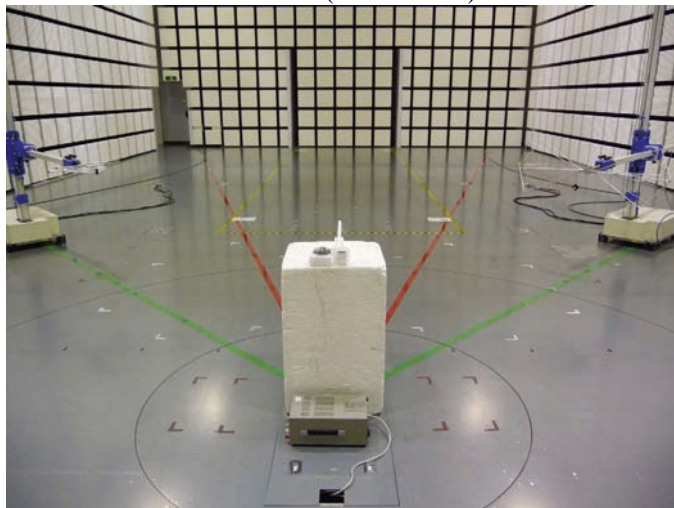
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN  
Telephone : +81 463 50 6400  
Facsimile : +81 463 50 6401

Antenna:9dBi

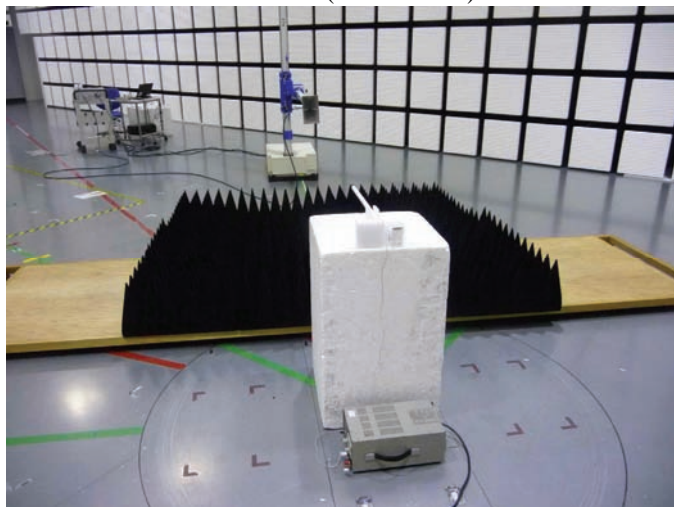
Front view



Rear view (below 1GHz)



Rear view (above 1GHz)



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

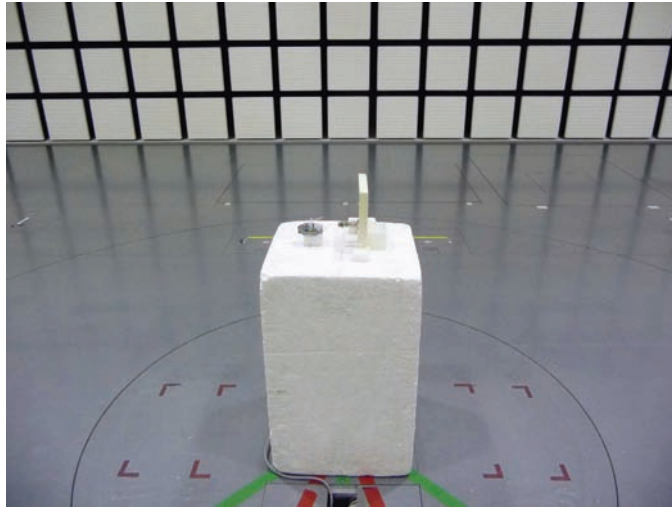
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

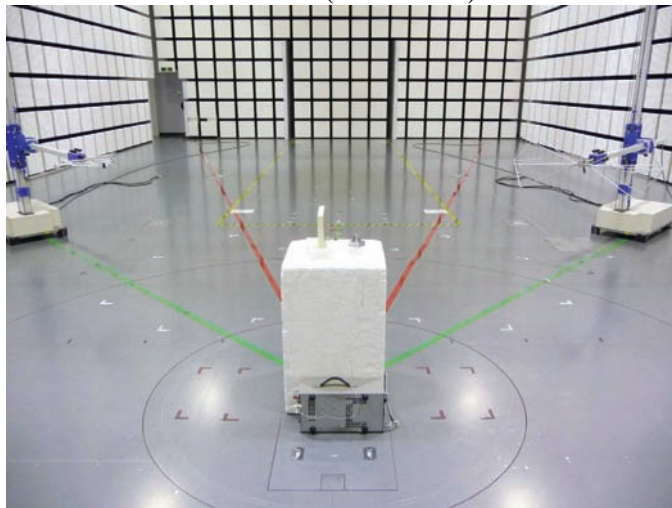
Facsimile : +81 463 50 6401

Antenna:15dBi

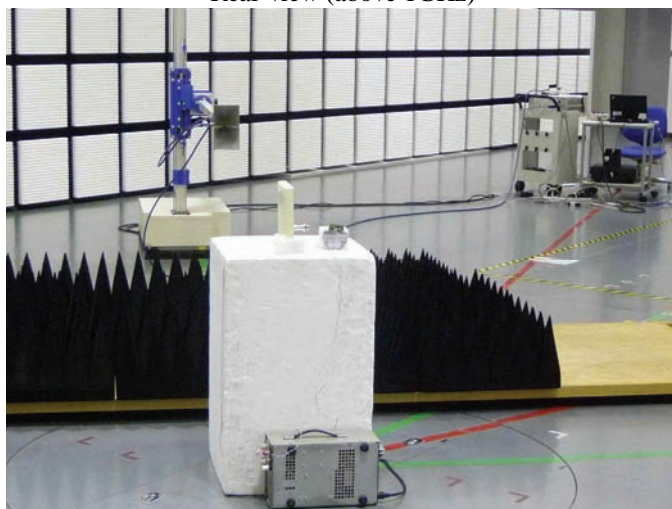
Front view



Rear view (below 1GHz)



Rear view (above 1GHz)



---

**UL Japan, Inc.**  
**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

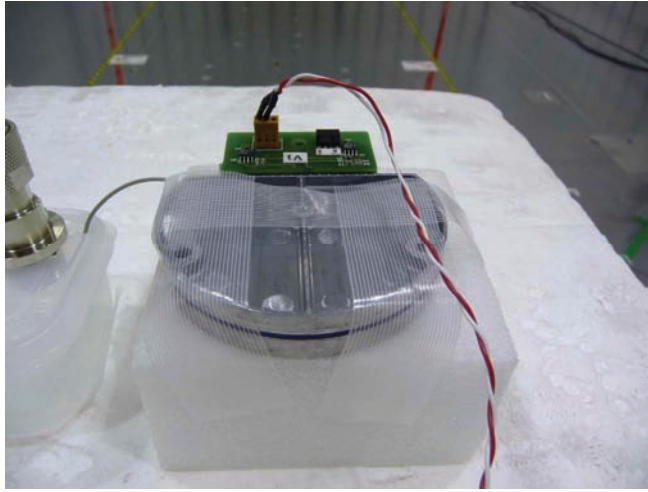
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

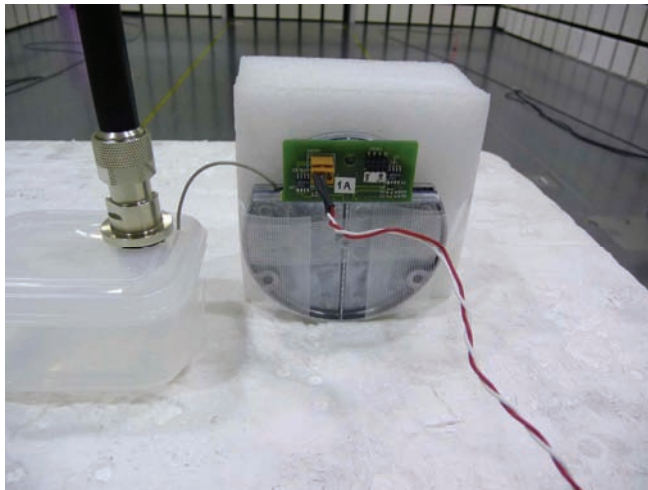


**Pre-check of the worst position: Module**

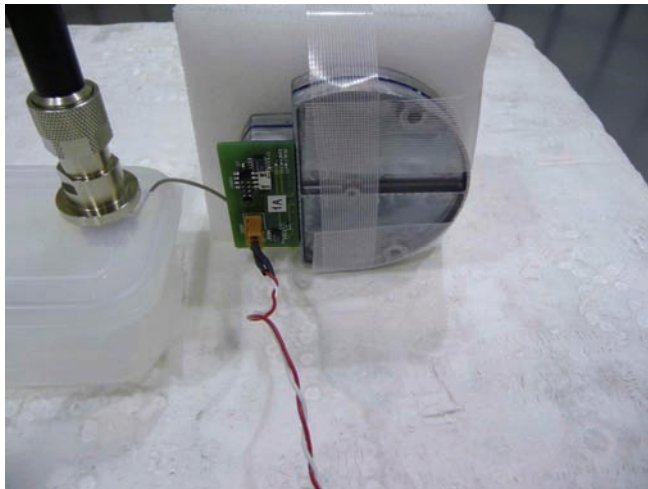
X-axis



Y-axis

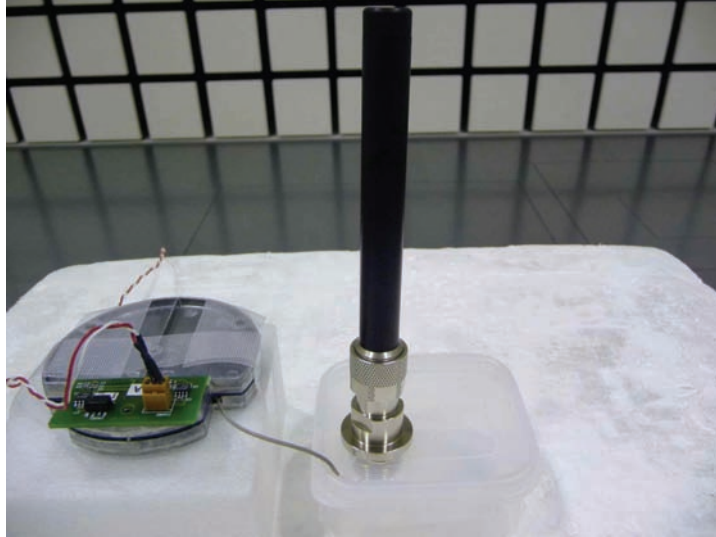


Z-axis

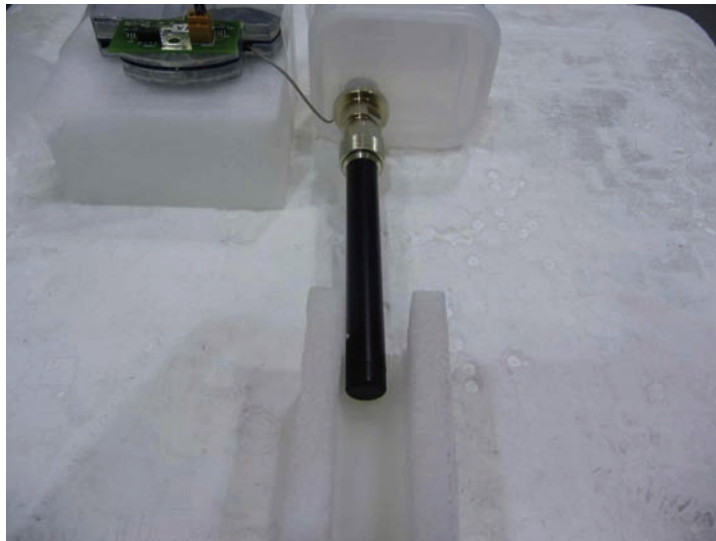


**Pre-check of the worst position: Antenna (2dBi)**

X-axis

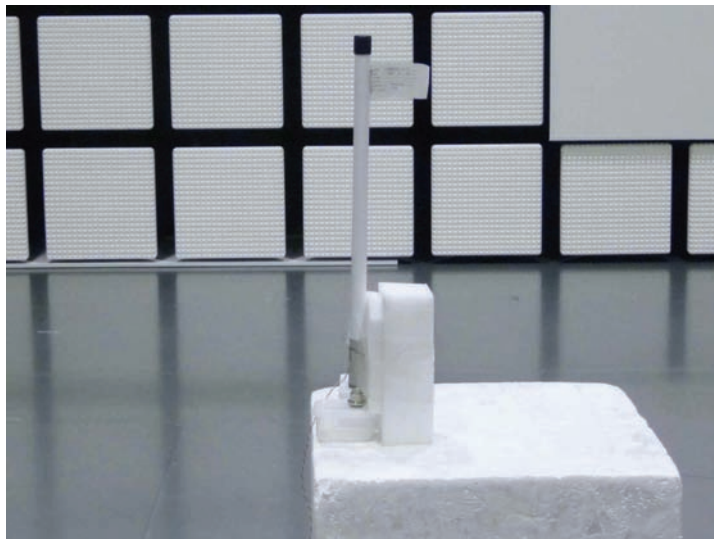


Y-axis

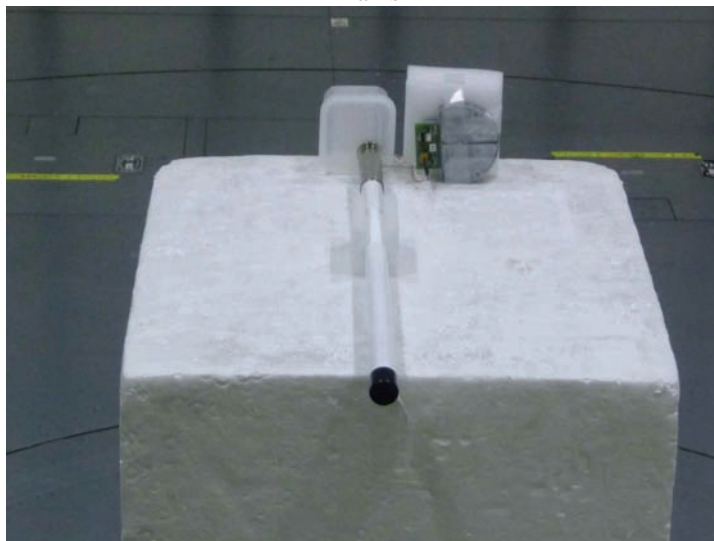


**Pre-check of the worst position: Antenna (6dBi)**

X-axis



Y-axis



---

**UL Japan, Inc.**

**Shonan EMC Lab.**

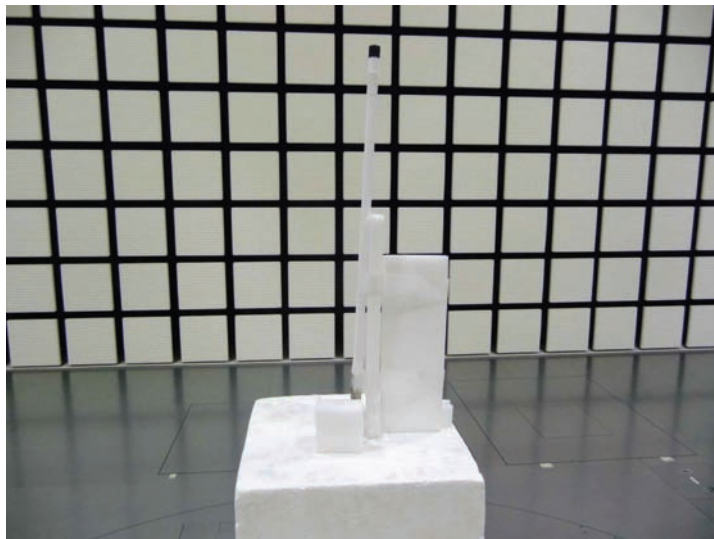
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

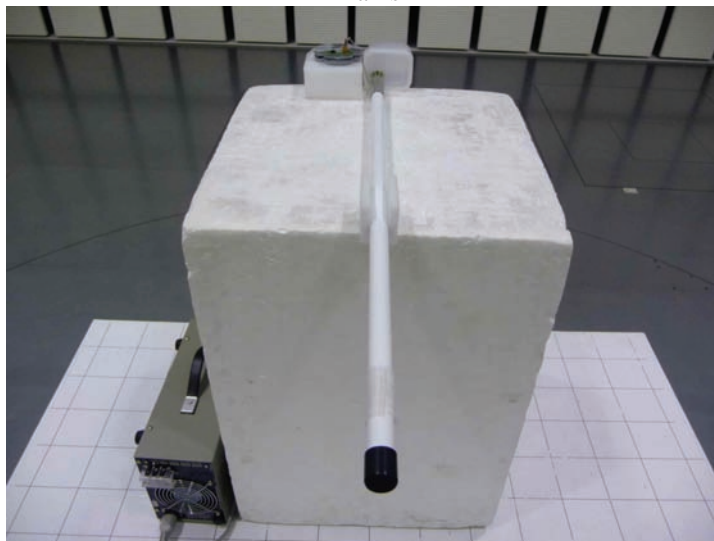
Facsimile : +81 463 50 6401

**Pre-check of the worst position: Antenna (9dBi)**

X-axis



Y-axis



**Pre-check of the worst position: Antenna (15dBi)**

X-axis



---

**UL Japan, Inc.**

**Shonan EMC Lab.**

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401