

APPENDIX 3: Photographs of test setup

Conducted Emission

Internal Antenna



Photo 1



Photo 2

UL Japan, Inc.

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Conducted Emission
External Antenna (S171AH-2450S)



Photo 1



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Conducted Emission
External Antenna (AIR-ANT2460P-R)



Photo 1



Photo 2

Radiated Spurious Emission
Internal Antenna

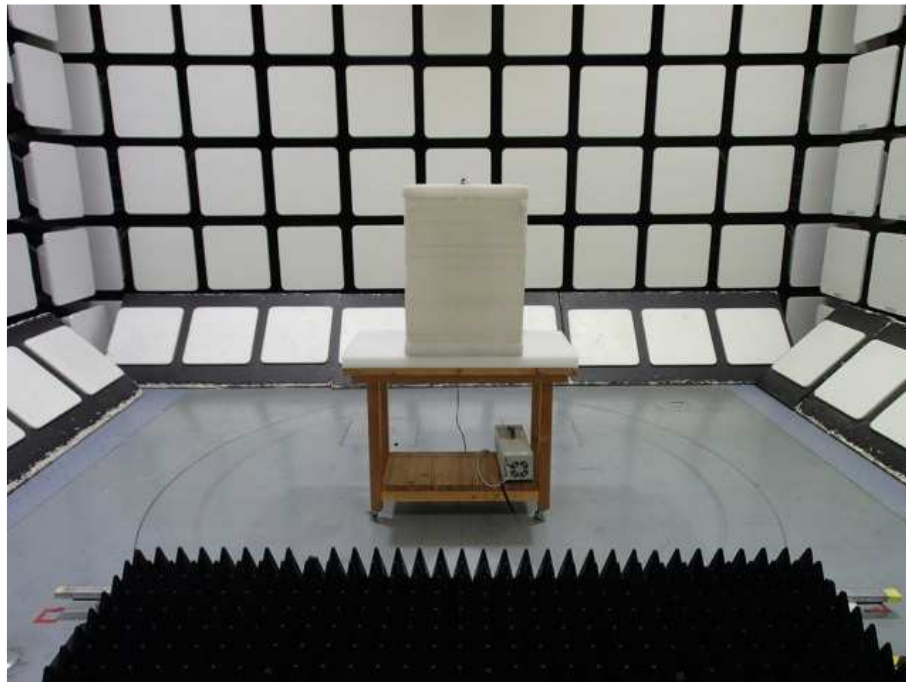


Photo 1



Photo 2

Radiated Spurious Emission
External Antenna (S171AH-2450S)



Photo 1

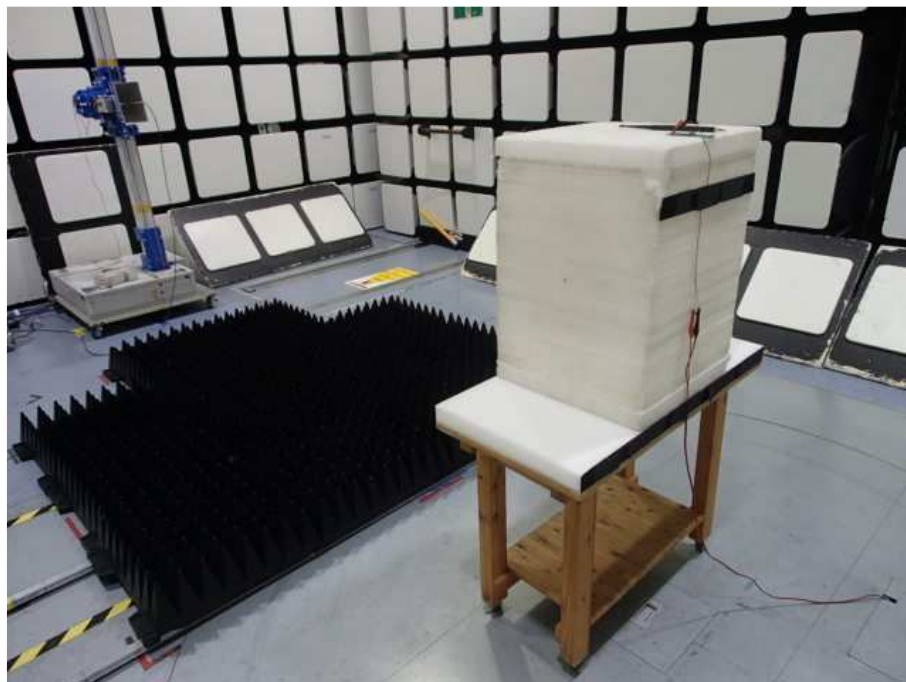


Photo 2

Radiated Spurious Emission
External Antenna (AIR-ANT2460P-R)



Photo 1

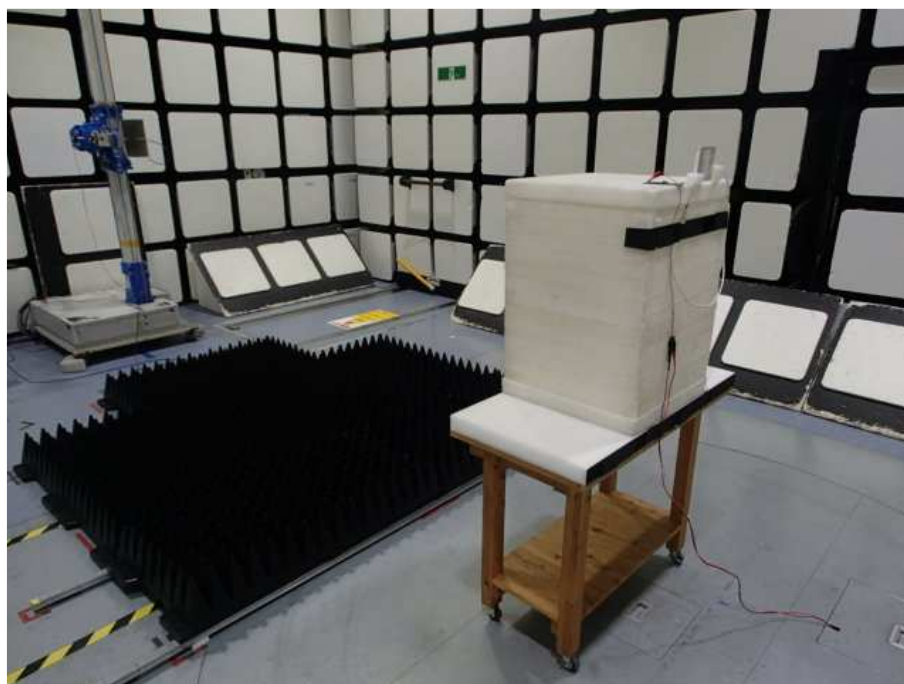


Photo 2

Worst Case Position

Internal Antenna

Range	Polarity: Hori	Polarity: Vert
30 MHz - 1000 MHz	X-axis	X-axis
Around carrier	X-axis	Z-axis
1 GHz - 10 GHz	X-axis	Y-axis
Above 10 GHz	X-axis	X-axis

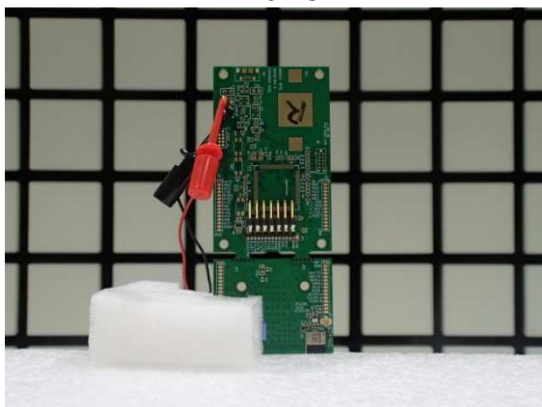
X-axis



Z-axis



Y-axis



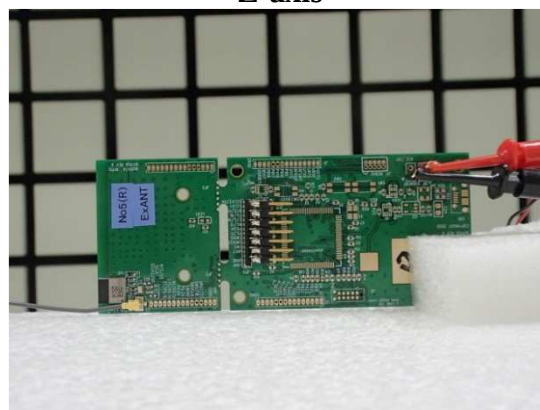
Worst Case Position
External Antenna (S171AH-2450S)

Module		
Range	Polarity: Hori	Polarity: Vert
30 MHz - 1000 MHz	X-axis	X-axis
Around carrier	X-axis	Z-axis
1 GHz - 10 GHz	X-axis	Z-axis
Above 10 GHz	X-axis	X-axis

X-axis



Z-axis



Y-axis



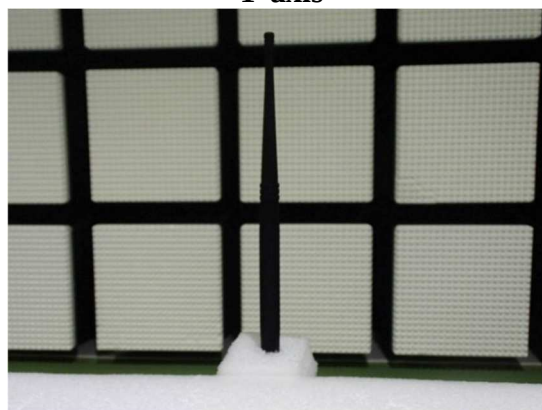
Worst Case Position
External Antenna (S171AH-2450S)

Antenna		
Range	Polarity: Hori	Polarity: Vert
30 MHz - 1000 MHz	X-axis	X-axis
Around carrier	X-axis	X-axis 90°
1 GHz - 10 GHz	X-axis	X-axis
Above 10 GHz	X-axis	X-axis

X-axis



Y-axis



X-axis 45°



Z-axis 45°



X-axis 90°



Z-axis 90°



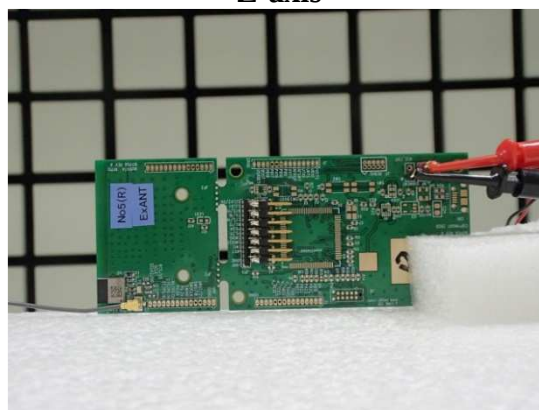
Worst Case Position
External Antenna (AIR-ANT2460P-R)

Module		
Range	Polarity: Hori	Polarity: Vert
30 MHz - 1000 MHz	X-axis	X-axis
Around carrier	X-axis	X-axis
1 GHz - 10 GHz	X-axis	Y-axis
Above 10 GHz	X-axis	X-axis

X-axis



Z-axis



Y-axis



Worst Case Position
External Antenna (AIR-ANT2460P-R)

Antenna		
Range	Polarity: Hori	Polarity: Vert
30 MHz - 1000 MHz	X-axis	X-axis
Around carrier	Z-axis	Y-axis
1 GHz - 10 GHz	Z-axis	Z-axis
Above 10 GHz	X-axis	X-axis

X-axis



Z-axis



Y-axis



Antenna Terminal Conducted Tests

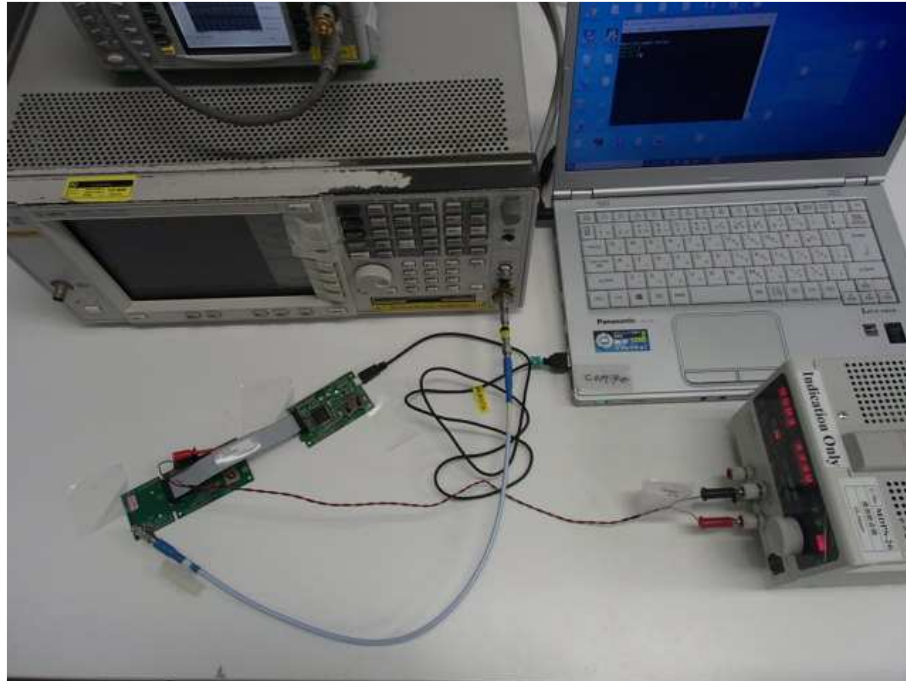


Photo 1

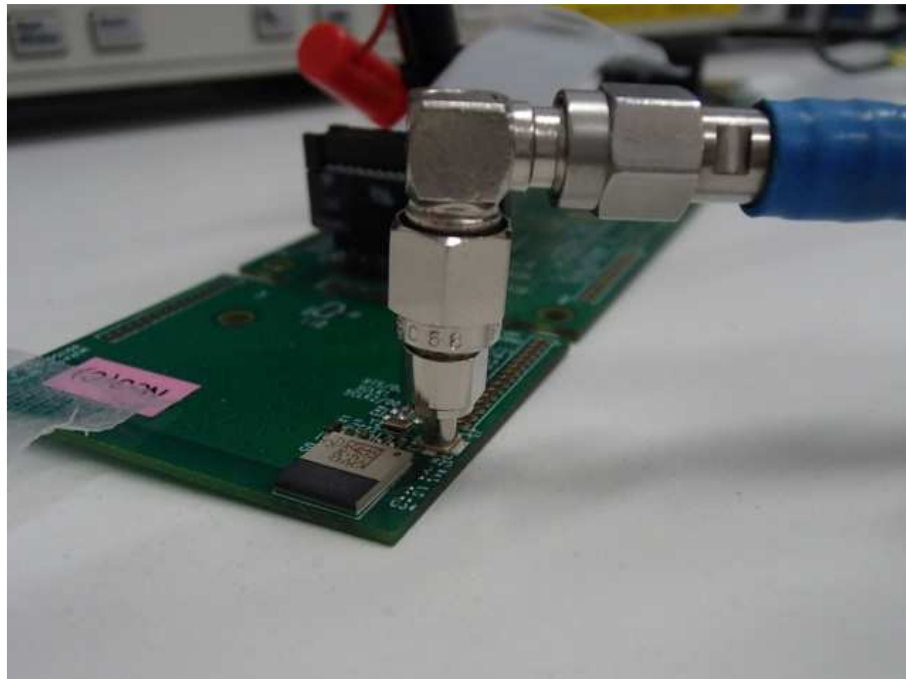


Photo 2

End of Report