



Test Setup Photos

EUT Name: Motion Detector

EUT Model: ISC-BDL2-WP12G

FCC ID: T3X-BLG2,

IC ID: 1249A-BLG2

FCC Title 47, Part 15, SubpartC, RSS-210 Issue 7

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Test Setup Photos:

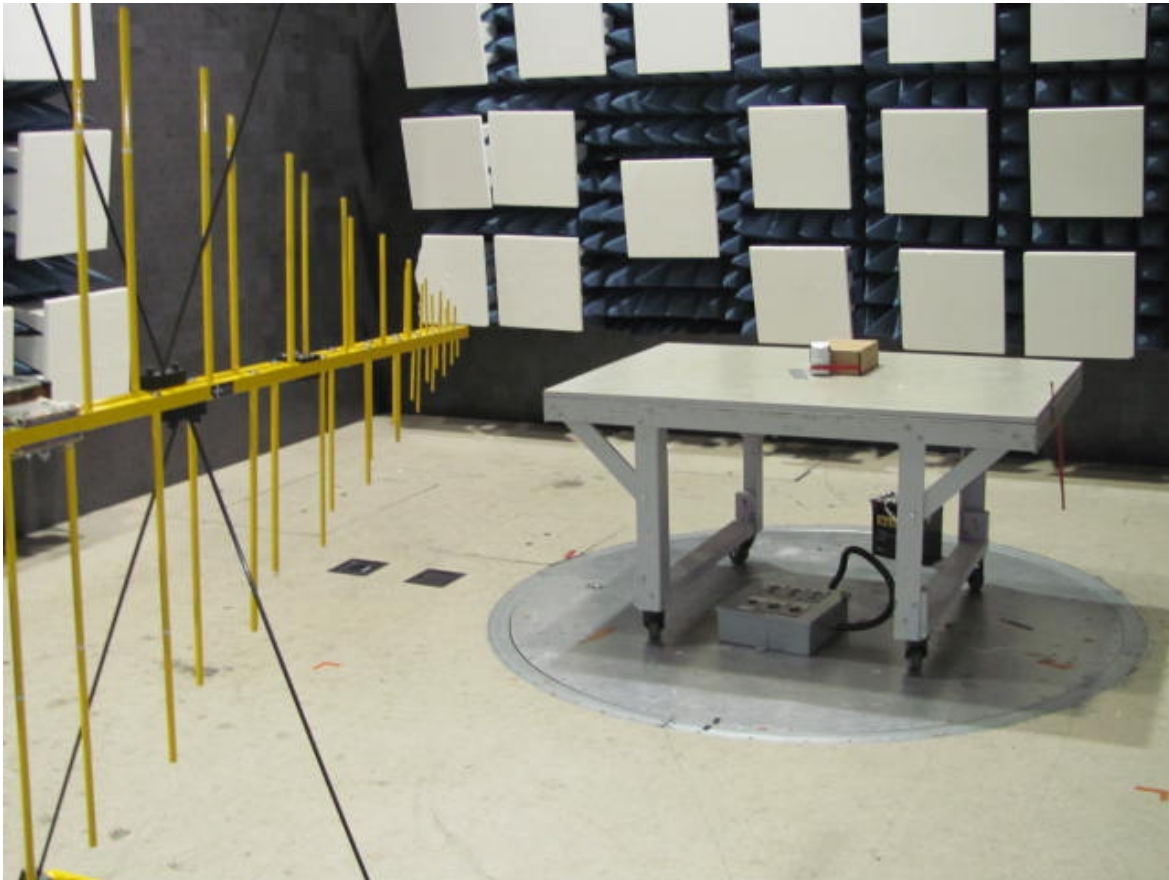


Figure 1: Radiated Emissions – 30 MHz to 1000 MHz.



Figure 2: Radiated Emissions at 3m – 1 GHz to 18 GHz.



Figure 3: Radiated Emissions at 1m – 18 GHz to 26.5 GHz.

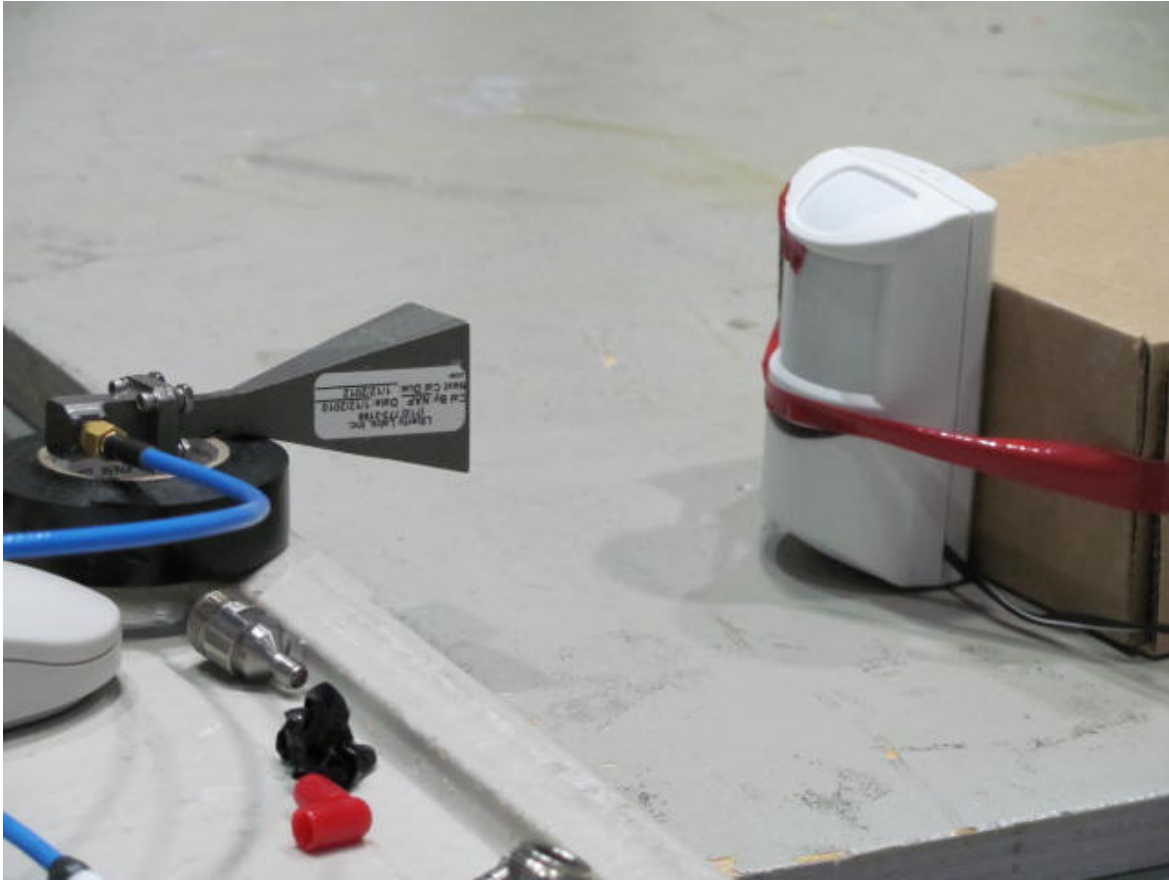


Figure 4 Radiated Emissions at 10cm – 26.5 GHz to 40 GHz.



Figure 5: Orientation 1 investigated.

NOTE: This orientation produced the highest emissions and it confirmed the manual manipulation of the antenna around the apparatus.



Figure 6: Orientation 2 investigated



Figure 7: Orientation 3 investigated



Figure 8: Conducted Emissions on power line.

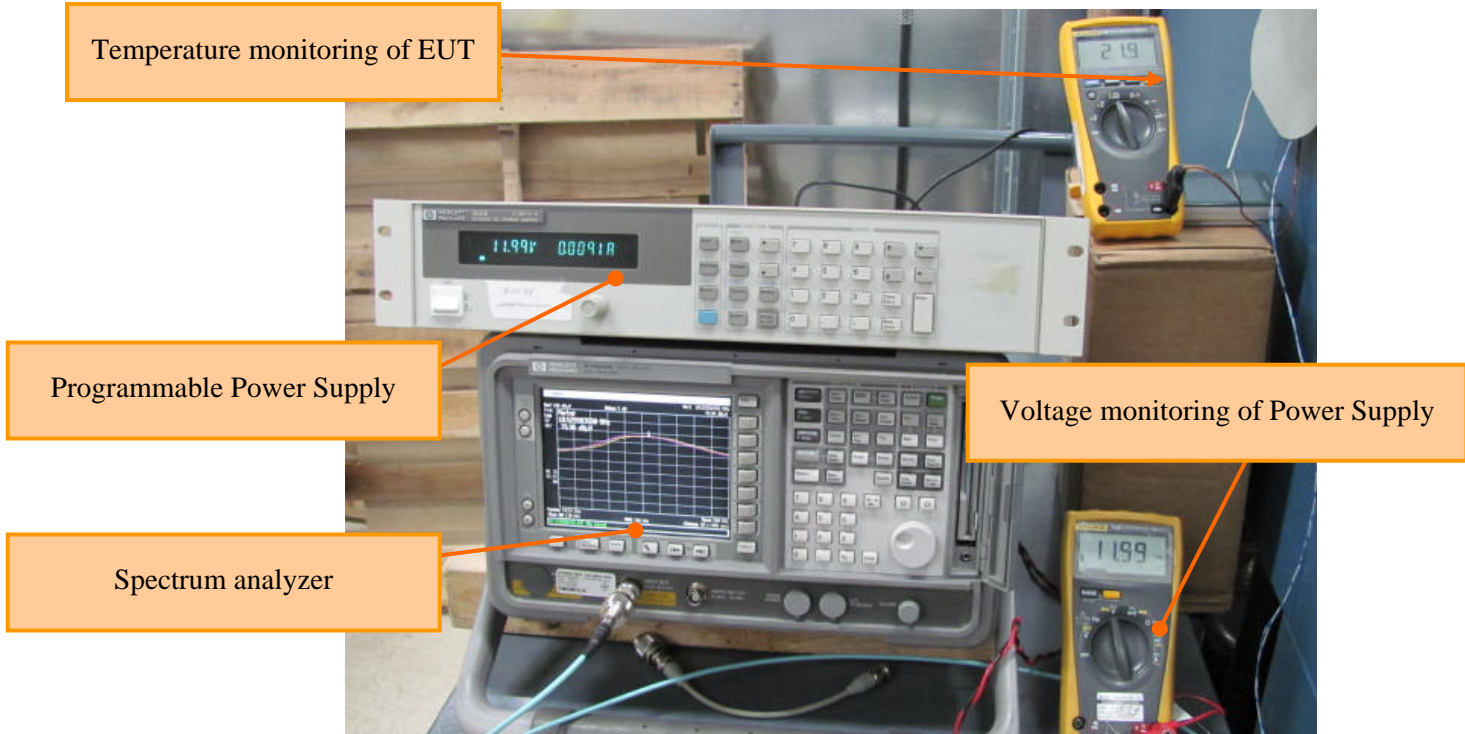
NOTE: The apparatus is powered by 12Volts from a host device.

A simple unregulated wall power supply was used for this test.



Microwave horn to sample signal

Figure 9 – Photo of test and setup.



Temperature monitoring of EUT

Programmable Power Supply

Spectrum analyzer

Voltage monitoring of Power Supply

Figure 10 – Photo of Test equipment.

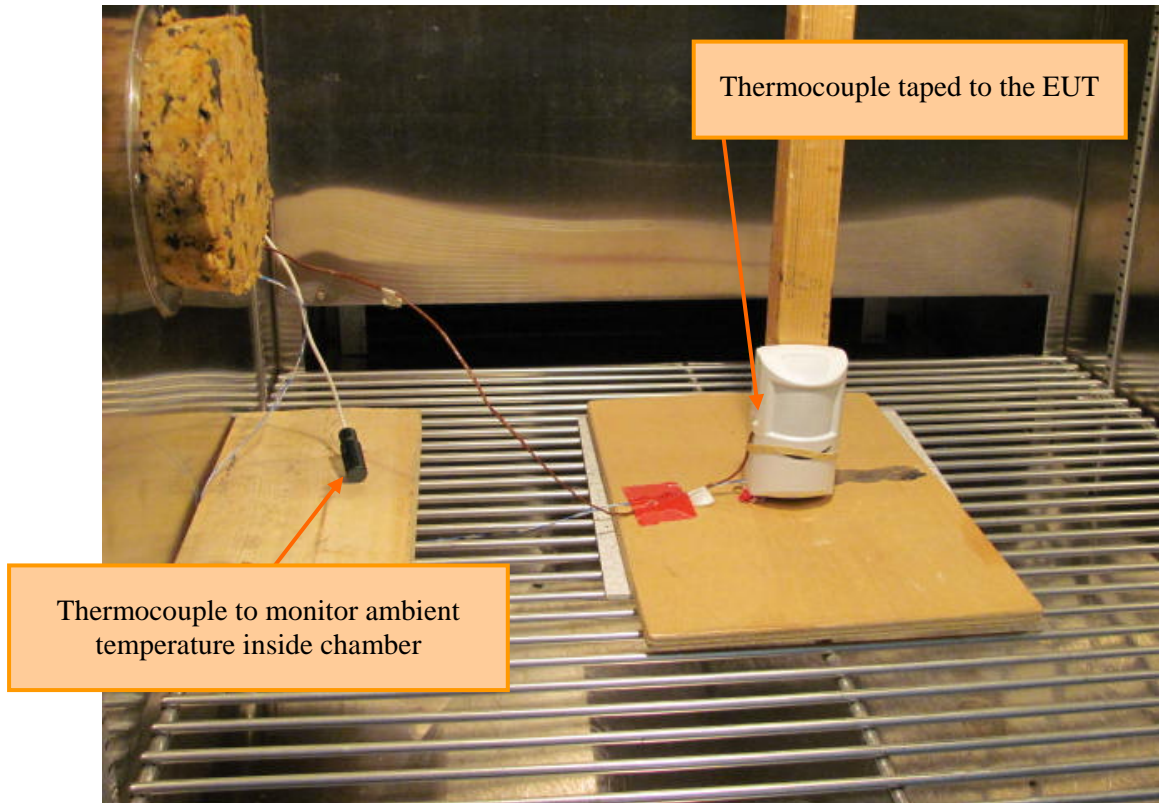


Figure 11 – Photo of EUT inside temperature chamber.

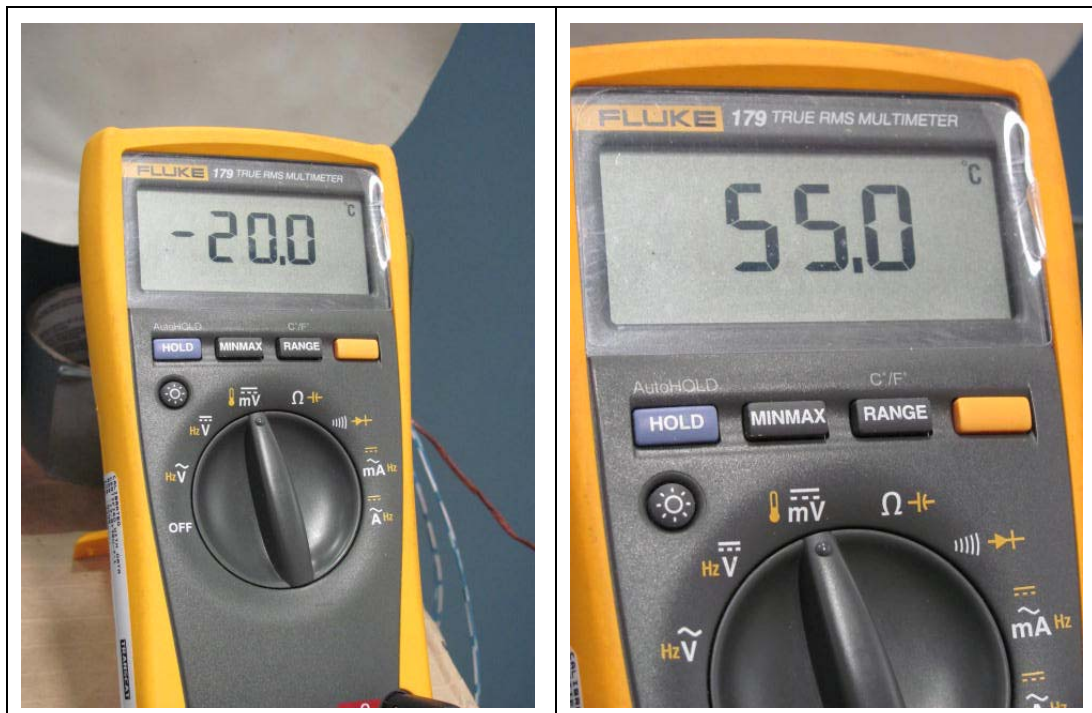


Figure 12 – EUT temperature readings at the two extremes.