



Canada

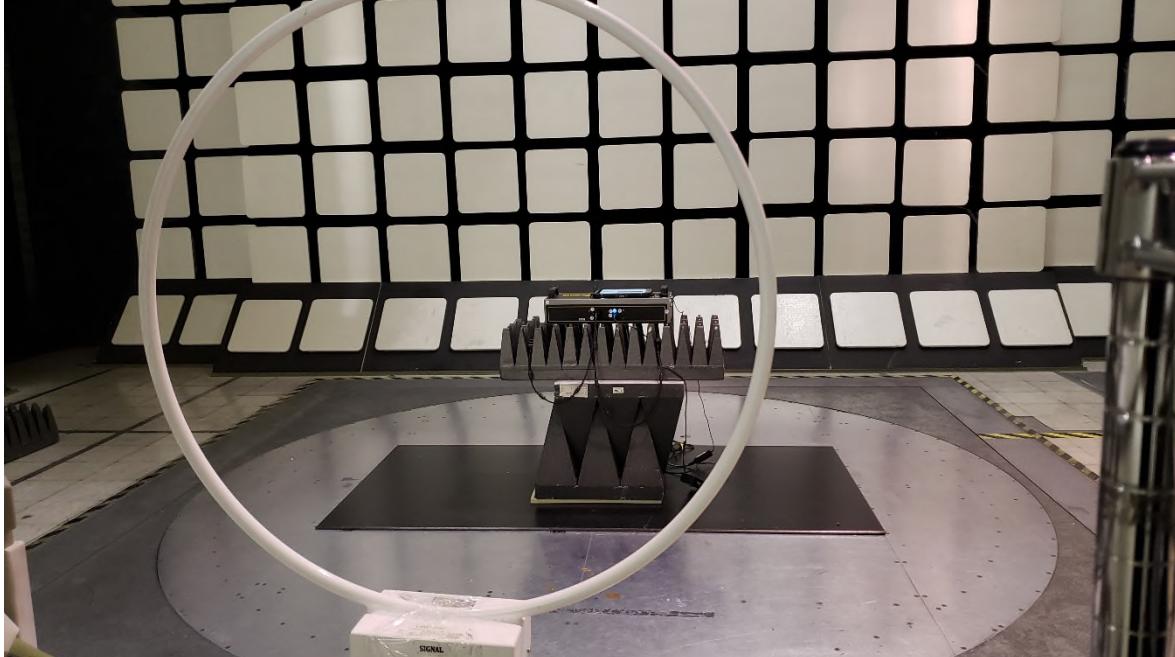
Exhibit: Test Setup Photos

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Client	Sensors & Software	
Product	Pavement Density Profile (PDP) system	
Standard(s)	RSS 220 Issue 1:2009 / FCC Part 15:2020 Subpart F	

Figure 1 – Radiated Emissions Setup – Photo 1



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Figure 2 – Radiated Emissions Setup – Photo 2



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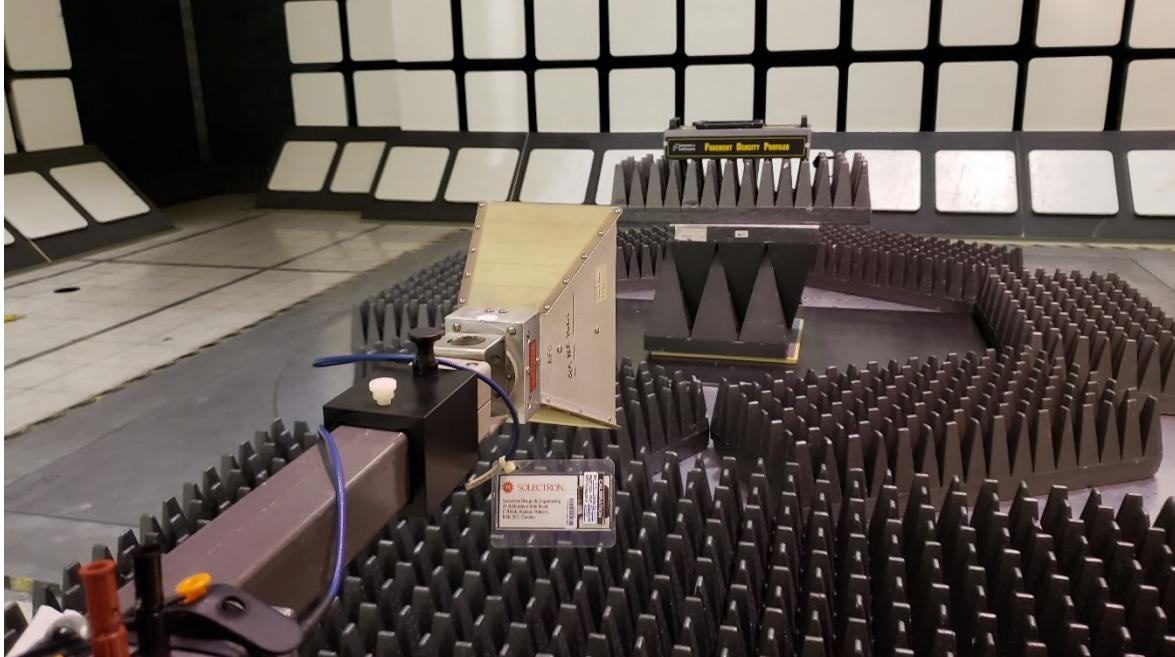


Figure 3 – Radiated Emissions Setup – Photo 3

Note: As per guidance in ANSI C63.10 section 10.2.2, the device evaluated above a raised 50 cm bed of dry sand, placed above the ground plane. Due to the use of a semi-anechoic chamber, the 50 cm of dry sand could not feasibly be placed below the ground plane. Sand placed over top of the ground plane will likely result in discontinuities within the medium, reflections from which may adversely impact the compliance measurement. Anechoic material was evaluated as an alternative to a bed of sand, and was evaluated to have similar attenuation with respect to the directly radiated UWB emissions. However, since the EUT met the requirements this was deemed a worst case measurement and suitable for the purposes of compliance.

For final measurements, the EUT was placed at a height of 80 cm on a non-conducting support with the emitter directed downwards. As the EUT emissions was expected to have components below 500 MHz, a layer of ferrite tile was placed directly on the floor below the EUT. Pyramidal or wedge-shaped RF absorbers not less than 60 cm in height was placed directly below the EUT. Some sections of absorber were inverted and placed over other absorbers to form a solid block. Care was taken not to place any RF absorber between the device and the EMI receive antenna. The placement of the absorber was positioned such that it was not disturbed when the device was rotated. This arrangement prevents

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energy directed downwards from consideration during the measurement. A search in azimuth and elevation for indirect emissions was performed.

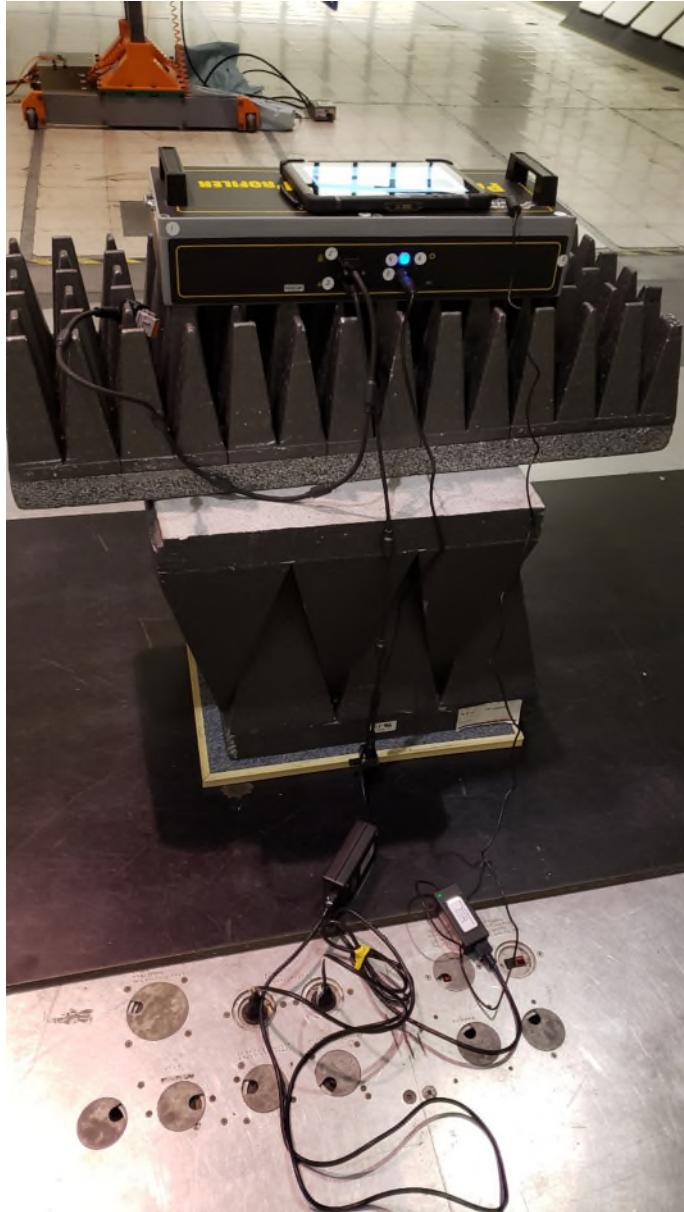


Figure 4 – Close up

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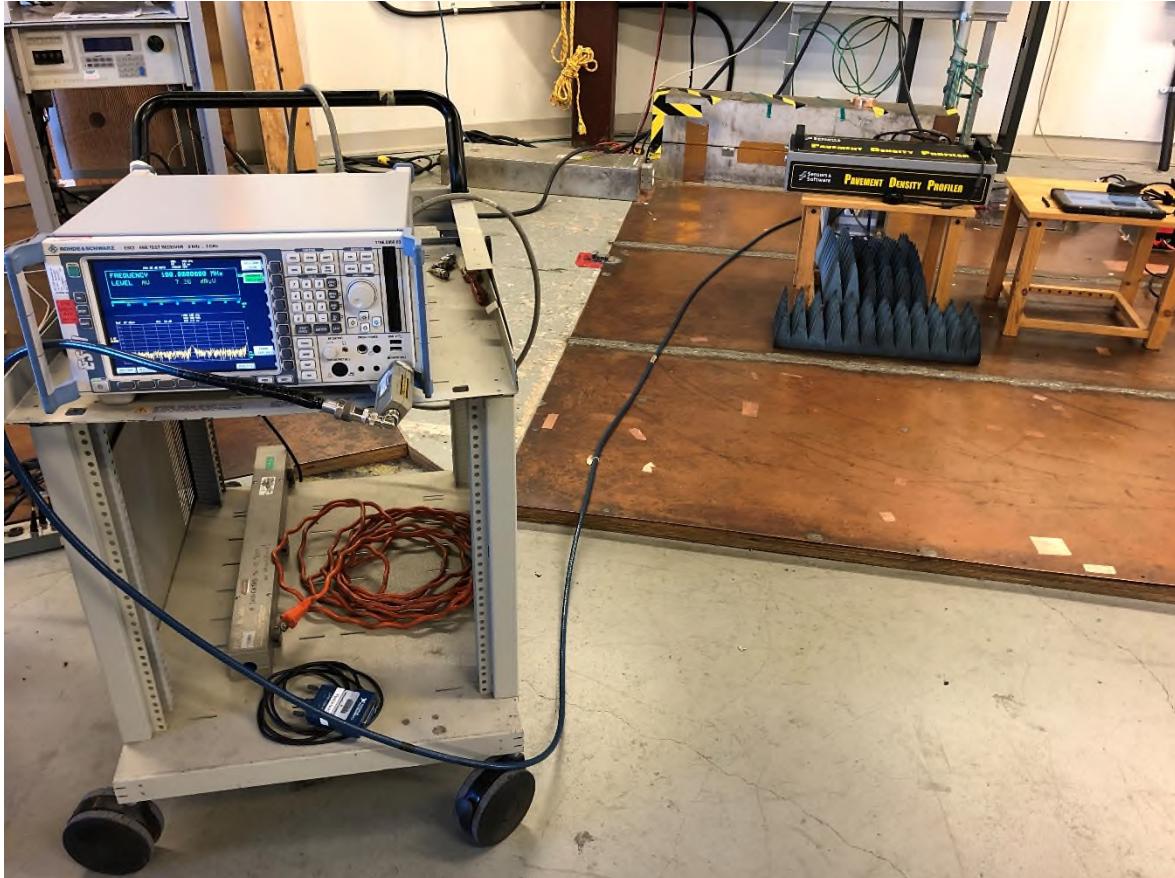


Figure 5 – Power Line conducted emissions