

From: Scott Wentworth

To: Jose Trevino

Date: June 10, 2009

Subject: FCC file number 0283-EX-ST-2009

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Message:

The requested STA is for the purpose of performing EN61000-4-3 radiated immunity testing on baggage screening or similar equipment used in airports or security checkpoints. The equipment is too large to be tested in the laboratory (shielded room) and needs to be tested at the manufacturers (L-3 Security and Detection Systems) facility in Woburn, Ma. Testing will be performed in the frequency range of 80MHz to 1.0GHz and 1.4GHz to 2.7GHz with a maximum E-field level of 10V/M using step sizes less than or equal to 1% of the fundamental and maximum 1 second dwell times at each frequency. The transmit antenna will be placed at a one meter test distance from the equipment under test with a fixed antenna height between 1 and 1.5 meters. An E-field sensor will be used to continuously monitor the level of the applied field. As there are multiple systems to be tested (approximately 4 - 6) over the next few months we requested an STA covering a 6 month period but the radiated immunity testing is only expected to take approximately 4 hours per system. The transmit frequency ranges requested in the application were specifically selected with the intention of avoiding Part 15 restricted bands. These facts coupled with the step and dwell times referenced and relatively low transmitted power levels will minimize any potential for interference. This testing is important to the manufacturer in their efforts to CE Mark the equipment and also to meet TSA approval requirements.