

From: Derek Lilla

To: Leann Nguyen

Date: September 04, 2014

Subject: FCC File# 0678-EX-ST-2014

Message:

Leann,

To perform these transmissions we will use the equipment that is outlined in the filing, which is controlled by automated software so only granted frequency bands will be used at very low power. We have done a calibration of the power needed in one of our chambers and our software limits the output power to only that level (what was requested in the grant). The test equipment is always attended by an engineer, so if there is any indication that our operation is causing interference the operator can turn the RF off immediately with the push of a button. The total duration of this testing should only be about 30min.

I have included a set up picture of the antenna that will be used and the electronics under test are inside the black enclosure. Since these machines are some of the biggest in the world they are not capable of fitting into a shielded chamber. Therefore, we are requesting permissions to transmit, at very close range, towards sensitive electronics that could potentially be effected by this type of Radiated Disturbance. The frequency list that I requested was based on an old filing that was granted a few year back when the 1000MHz – 2000MHz Radiated Susceptibility requirement went into effect in the European Union (EN ISO 13309 for Construction Machinery). This was done under STA 0570-EX-ST-2010. The testing will be for the same client at a different location.

If you require additional information please let me know.

***(Sorry it looks like I could not attach the picture I was referencing above)