

**Supplement to FCC Experimental STA Application of
RFID Technologies Pty Ltd
STA File Number: 1000-EX-ST-2015**

This supplement provides information that is not readily presentable in the application.

RFID Technologies Pty Ltd ("RFIDTECH") is an Australian entrepreneurial firm that has developed a promising 24 GHz RFID-like technology. It has been tested in Australia as a "Low Interference Potential Device" authorized by the FCC's counterpart, Australian Communications & Media Authority.

RFIDTECH wishes to demonstrate this technology to possible users at a pharmaceutical trade show in the Las Vegas Conventional Center. The demonstration will be limited to a less than 4 transmissions a day with durations less than 10 minutes.

While this system is intended to operate with its 1 W e.i.r.p. transmissions facing vertically UP, in order to simplify any concerns with compatibility to other spectrum users this application seeks operation only with the antenna pointed **DOWN**, -90 degrees from the horizontal plane. All transmissions will be indoor.

The signal is unmodulated and is swept in frequency in 2 bands: 22 -> 23.48 and 24.1 -> 26.5 GHz. This was done to avoid any issues of possible impact on the passive band at 23.6 – 24 GHz. While this technology can notch out bands, such notching imposes real limitations on operation. Thus additional notches would be burdensome.

We believe we have designed this brief demonstration to avoid any possible impact on other spectrum users and would appreciate timely consideration from FCC and NTIA.

Our next intended step is to ask for a longer term experimental license in a few locations and invite a dialogue and possible compatibility testing with all concerned parties.

STOP BUZZER contact number is 301 229 7714