

From: GEORGE WHEELER

To: Jose Trevino

Date: February 12, 2008

Subject: AMEND: FCC file number 0670-EX-PL-2007

Message:

Response provided by Eddie Hughes, president of applicant, DMT, LLC for pending application 0670-EX-PL-2007.

February 11, 2008

To: FCC

From: Eddie R. Hughes
President

Subject: Response to questions from FAA.

- ? Peak Envelope Power: 5 watts
- ? Type of antenna: parabolic with 20dB or less antenna sidelobes.
- ? Transmit antenna gain: 34 dB max, typically 30 dB
- ? Elevation above sea level of the antenna: Varies based on location in the USA. Normally the antenna is installed no more than 6 meters above the mean ground level of the area.
- ? Antenna Polarization: Vertical
- ? Antenna Situation: Rotating, directional antenna
- ? PRR: 4 or 8 Khz
- ? Pulswidth: 80 to 500 nanoseconds
- ? Equipment nomenclatures: 35MOPON, AIMSFS-1XX-0707
- ? Blanking: Yes, system is capable of Blanking over any angular set
- ? Radius of operations: 10 km maximum
- ? Detailed description of operations:
The radar is used for security.

Once installed, the radar pulswidth is set as required for the location. Algorithms are then implemented to improved false alarm rates and detection of the received RF energy. Sector scans are more common (scanning between 2 angles). Blanking is applied as necessary.

Please note that the radar can be adjusted by up to 100 MHz in frequency using a screw adjustmeny by the manufacturer. Therefore, if frequency is a problem for FAA, then DMT can shift frequency by 30 or 40 MHz. This would put the radar completely out of the FAA bands.

Eddie R. Hughes
President

Please advise if any additional information is required.

Thank you for your assistance.

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