
MEDEA DESIGN GROUP INC.

1590 Murphy Pkwy • Eagan, MN 55122
800-883-1964 • 651-454-5635 • F 651-454-5639
dm@musicsciences.com

May 10, 2007 Rev

TCB412 COVER LETTER

We wish for NW EMC to test and obtain FCC and Canadian certification for our Model 3000A Transmitter for professional digital audio applications. The FCC ID number for the device is TFA3000A.

We seek original certification according to FCC 15.249. The EUT has two different antenna configurations: a horn antenna and a parabolic dish antenna. The horn antenna configuration was tested to 15.249(a), and the parabolic dish antenna configuration was tested to 15.249(b).

OBJECTIVE: To transmit multiple digital audio channels in one scrambled digital audio data stream by means of FSK modulation on a 24.16GHz RF signal, point-to-point in one direction. FCC 15.249. Professional installation. Not battery operated. No body-worn accessories.

Target markets: USA and Canada

Operating modes: One operating mode set at the factory. FSK modulation at a fixed data rate of 72Mbps

Output level: Fixed at the factory.

With horn antenna: 104.7 dBuV/m @ 3m; 0.008854 Watts EIRP

With parabolic dish antenna: 125.5 dBuV/m @ 3m; 1.064 Watts EIRP

Antenna: Horn antenna with 17dBi gain.

Parabolic Dish antenna with at least 33dBi gain and/or main lobe beamwidth not to exceed 3.5 degrees.

Supply voltage required: 18 to 24VDC and 100 mA provided via Power over Ethernet

Must be connected to the digital audio board for operation. Not to be used with a PC or other computer.

Yours truly,

Don Moses
CEO
651-454-5635