FCC Compliance Opinion

WTD 13.4.9

Information about the Applicant	
Grantee (Company Name)	Algostim, LLC
FCC Contact Person	Bernard Bosley
Address	10675 Naples Street Northeast
City, State, Zip	Blaine, MN 55449
Job Number	QIGG0010 - 4300
Model	4300
FCC ID	2ABU84300
Agent	
Approval Type	Original
Equipment Class	TNT – Licensed Non-Broadcast Transmitter Worn on Body
Rule Part	95I

Overview

This application is for the original approval of Algostim, LLC's model 4300 Trial Stimulator in the Medical Device Radiocommunication Service. The model 4300 is used to treat chronic pain. The device communicates with two external programmers: Model4100 Pocket Programmer and Model 4500 Clinician Programmer. The Model 4300 Trial Stimulator communicates with the programmers in the 402 - 405 MHz MedRadio band under FCC rule part 95I. The device receives a wake up signal in the 2.4 GHz band but does not initiate telemetry sessions or transmit in the 2.4 GHz band.

Confidentiality requested for allowed files. Request is properly addressed and referenced.

Short term confidentiality requested.

Radiated Power on Grant

Per 95.639(f)(1) the maximum permissible EIRP is 25 uW. Per 95.627(g)(3), compliance may be determined with a field strength measurement. The FCC conversion formula that equates the 25 uW EIRP limits to the 18.2 mV/m limit at 3 meters uses the Friis transmission equation modified with a 6 dB contribution due to ground plane reflection. Applying that equation: EIRP = ((V/m/2*3)^2/30, the maximum reported field strength of the fundamental emission is 64.4 dBuV/m at 3 meters, which equals 0.00000021W (EIRP).

The field strength of the fundamental measurements are found in Intertek Test Report 101277992MIN-001A page 9 of 25.

Recommendation

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.

Signature

Dave Tolman, TCB Committee
7/8/2014