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 - 4200
Model	4200
FCC ID	2ABU84200
Agent	
Approval Type	Original
Equipment Class	DXX – Part 15 Low Power Communications Device TNT – Licensed Non-Broadcast Transmitter Worn on Body
Rule Part	15.249, 95I

Overview

This application is for the original approval of Algostim, LLC's model 4200 programmer charger in the Medical Device Radiocommunication Service. The model 4200 is a patient device used for commanding and querying and charging Algostim pulse generators models 2408 IPG and 2412 IPG. The device communicates with the programmers in the 402 - 405 MHz MedRadio band under FCC rule part 95I. The device transmits a wake up signal in the 2.4 GHz band under rule part 15.249.

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 80.3 dBuV/m at 3 meters, which equals 0.00000807W (EIRP).

The field strength of the fundamental measurements are found in Intertek Test Report 101277992MIN-001D page 9 of 37.

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