

FCC Compliance Opinion

Information about the Applicant	
Grantee (Company Name)	i1 SensorTech, Inc.
FCC Contact Person	Tom Nuxoll
Address	12020 113th Avenue NE Suite 210
City, State, Zip	Kirkland, WA 98034
Job Number	I1BM0002
Model	S0001
FCC ID	2ADZF-S0001
Agent	
Approval Type	Original
Equipment Class	DSS Part 15, Spread Spectrum Transmitter
Rule Part	15.247

Overview

The i1 SensorTech S0001 is a side line receiver (SLR) base station which receives real-time head impact data transmitted from individual Vector mouth guards via a ISM 900MHz radio link. The SLR operates while connected to a side line laptop connected via USB. The SLR contains a single radio PCB and a permanently attached Dual-Dipole FPC antenna embedded within the device internally cabled to the radio PCB.

The SLR contains a 900MHz ISM band frequency-hopping spread spectrum (FHSS) radio which consists of a RF-Transceiver (CC1101) + LNA/PA Front End (CC1190) all controlled by a low-power microcontroller (MSP430).

Recommendation

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

Signature



Dave Tolman, TCB Committee
2/16/2015