Jim Blaha

From: Joe Dichoso <JDICHOSO@fcc.gov>
To: <GCZUMAK@fcc.gov>; <jblaha@lsr.com>
Cc: <dfoster@fair-play.com>; <kboston@lsr.com>
Sent: Thursday, December 16, 1999 9:43 AM
Subject: Re: FCC Ruling on Testing Requirements.

Dear Jim, Your inquiry was forwarded to me for reply. The test plan that you propose is acceptable when the transmitter and receiver in the original filing are the same as the new device. The radiated test that will be performed will cover any enclosure changes or changes in the digital portion of the device. Although you do not have to perform some of the tests, you must submit copies of the test with a cover letter. You still need to address other requirements like compliance with the RF safety requirements and compliance with Section 15.203 etc....
I would ask that you perform an output power test to verify performance. Also, verify that the theoretical process gain (spread rate/data rate) is at least 10 dB as this is a requirement and was not apparent in the original application.

>>> "Jim Blaha" <jimb@execpc.com> 12/14/99 04:34PM >>>
Dear Greg:

The following situation leads to my FCC Certification Question.

I have a customer that filed for Grant of Authorization this past summer and received the FCC Grant of Authorization on August 22, 1999. (FCC ID #: OMF-FP-MP-70)

This product consisted of a 900MHz Spread Spectrum Transmitter linked to a scoreboard control panel.

This same customer would like to take this same radio, 900MHz Spread Spectrum Transmitter, and incorporate it into another data collection system, by different packaging, for sporting events.

My question is this, will the FCC accept the following test plan for the transmitter/receiver.

Carry over (no need to test) from the previous testing and FCC Filing approval on the 900MHz Transmitter.

Part 15.247 (a)(2) Occupied Bandwidth Test

Part 15.247 (b) Maximum Output Conducted Power Test

Part 15.247 (c) Out of Band Conducted Emissions Test

Part 15.247 (d) Power Spectral Density Test

Part 15.247 (e) Processing Gain Jamming Margin Test

The following tests will be performed.

12/17/99