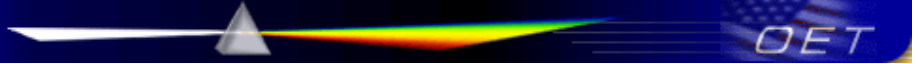


Mark Hill

From: oetech@fccsun27w.fcc.gov
Sent: Friday, May 11, 2012 10:42 AM
To: Mark Hill
Subject: Response to Inquiry to FCC (Tracking Number 875695)



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Office of Engineering and Technology

Inquiry on 05/09/2012 :

Inquiry:

FCC -

I have a manufacture of a 15.247/15.407 radio device. This device is powered via a Power over Ethernet connection. The product is not intended/marketed to residential use. The manufacturer does not typically provide a POE injector, instead the end-user would need to provide an adequate POE source, either a separate injector device, or a POE enabled switch/router device.

As an intentional radiated, that is indirectly powered from AC, it is subject to the requirements of 15.207. The measurements would be performed at the AC input of a typical POE injector.

However, it seems that since this product would be not be used in a residential location that testing against the 15.107(b) - Class A requirements would provide adequate protection against interference.

Please confirm that for the certification for the 15.247/15.407 operation, that it would be acceptable to use the 15.107(b) limits for the conducted emissions.

Thanks - Mark

FCC response on 05/11/2012

If it is a part 15 class A transmitter then it needs to be tested for part 15.107 (b) the conducted limits. Part 15.107 (b) is as follows;

(b) For a Class A digital device that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms LISN. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the

boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB?V)	
	Quasi-peak	Average
0.15?0.5	79	66
0.5?30	73	60

Attachment Details:

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