

From: Phillip Inglis

To: Behnam Ghaffari

Date: May 02, 2012

Subject: FCC File No. 0216-EX-PL-2012

Message:

Dear Mr. Ghaffari,

I was a little puzzled by your request and would like to be certain there is no misunderstanding of the operational parameters specified in the application. The subject request for an experimental license is for a band listed in Part 15 of the FCC rules section 15.209 with a specified maximum power level of 1 milliWatt. Section 15.209 follows:

15.209 Radiated emission limits; general requirements.

(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
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0.009-0.490	$2400/F(\text{kHz})$	300
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Field strength computes according to the above equation as 5 microVolts/meter at a distance of 300 meters.

The band 410 to 430 kHz is a portion of the listed band and the requested power level is in line with many Part 15 certified devices considering the inefficient antennas low frequency devices have. Based on the above, it appears there may be a misunderstanding which resulted in the request for co-ordination of the frequency band 410 to 430 kHz with the FAA.

If there is still a concern due to the request for up to 1 milliWatt of power, could it be resolved by reducing the requested power level?

Please advise.

Phil Inglis