

John Kennedy

From: Chetan Karani [Chetan@odintechnologies.com]
Sent: Thursday, September 25, 2008 6:27 PM
To: John Kennedy
Cc: Mike Ludwig
Subject: RE: FCC File # 0109-EX-ML-2008

John,

Thank you for your email and phone call.

Yes, this is correct.

Regards

Chetan S. Karani

ODIN technologies

Trusted RFID Experts

Office : +1 703.574.2034
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US Fax : +1 703.456.0148
Email : chetan@odintechnologies.com

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From: John Kennedy [mailto:John.Kennedy@fcc.gov]
Sent: Thursday, September 25, 2008 3:38 PM
To: Chetan Karani
Subject: RE: FCC File # 0109-EX-ML-2008

Pursuant to our telephone conversation, please confirm you are requesting 13.56 MHz with a 3 MHz bandwidth with emissions J7D, A7D, and G7D at 12 W ERP peak.

From: Chetan Karani [mailto:Chetan@odintechnologies.com]
Sent: Thursday, September 25, 2008 3:06 PM
To: John Kennedy
Subject: RE: FCC File # 0109-EX-ML-2008

John,

HF RFID make use of 13.56 MHz band. Occasionally during research or development of Tag antennas or Reader antennas, it is found that different materials detune the antenna resulting in a frequency shift. This frequency range will help us enable this study. Once we identify the detuning effects, we can then tune the antenna back to 13.56 MHz band. Hence the request.

9/26/2008

Regards

Chetan S. Karani

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From: John Kennedy [mailto:John.Kennedy@fcc.gov]

Sent: Thursday, September 25, 2008 3:01 PM

To: Chetan Karani

Subject: RE: FCC File # 0109-EX-ML-2008

In which country is the band 13-14 MHz used for RFID (the description of the experiment mentions using different frequencies to research how RFIDs in foreign countries might perform)?

From: Chetan Karani [mailto:Chetan@odintechnologies.com]

Sent: Thursday, September 25, 2008 2:30 PM

To: John Kennedy

Cc: Mike Ludwig

Subject: RE: FCC File # 0109-EX-ML-2008

John,

The information that we provided was for Longitude W and Latitude N as requested by the FCC website.

Also the longitude and latitude (from Google)

In Decimal:

Latitude: 39.016729

Longitude: -77.477027

In deg-min-sec

Latitude: 39° 1' 0.2244"

Longitude: -77° 28' 37.2972"

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From: John Kennedy [mailto:John.Kennedy@fcc.gov]
Sent: Thursday, September 25, 2008 2:11 PM
To: Chetan Karani
Subject: RE: FCC File # 0109-EX-ML-2008

Please report the correct latitude and longitude for 21631 Red Rum Drive, Ashburn, VA. Currently you have 36 52 31 N, 4 5 16 W.

From: Chetan Karani [mailto:Chetan@odintechnologies.com]
Sent: Thursday, September 25, 2008 12:27 PM
To: John Kennedy
Cc: Mike Ludwig
Subject: RE: FCC File # 0109-EX-ML-2008

John,

Thank you very much for your email and voicemail. I also appreciate all your guidance.

Answers to some of your questions:

The Emission designators from our previous license's are:

- 4M00J7D
- 4M00A7D
- 4M00G7D
- 3M00J7D
- 3M00A7D
- 3M00G7D
- 6M00J7D
- 6M00A7D
- 6M00G7D

Also the laboratory at our new location in Ashburn will be fixed. If we can be granted a mobile license, then we would like to get a mobile license that can be used in VA, United states with a radius of about 25 miles. At the same time if this is not allowed then we want to limit our license for our lab in Ashburn.

Also the experimental setup will be similar to our initial file # 0224-EX-PL-2005

For the 13 to 14 MHz band the Transmitter power will be 12 watts with an antenna gain of 0 (I.e. ERP of 12 watts)

I hope this covers all requirements.

Please advise us if we need to provide additional information.

Regards

9/26/2008

Chetan S. Karani

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From: oetech@fccsun27w.fcc.gov [mailto:oetech@fccsun27w.fcc.gov]

Sent: Wednesday, September 24, 2008 3:20 PM

To: Chetan Karani

Subject: FCC File # 0109-EX-ML-2008



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OET

Office of Engineering and Technology

To: Chetan Karani, ODIN technologies
chetan@odintechnologies.com

From: John Kennedy
John.Kennedy@fcc.gov

Applicant: ODIN technologies

File Number: 0109-EX-ML-2008

Correspondence Reference Number: 7513

Date of Original Email: 09/24/2008

Mr. Chetan Karani, Please submit an exhibit describing the changes to this experiment. For example, is fixed operation at Ashburn, VA, the only location being requested ("United States" was in the mobile operation field and may have been entered unintentionally)? In the exhibit, please justify the change from a standard two-year license to a five-year license. Please verify that only the emission N0N is being requested for the new frequency bands.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 09/24/2008 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet by visiting [The OET Experimental Licensing System](#), followed by clicking on the "Reply to Correspondence" hyperlink.

9/26/2008