

## Behnam Ghaffari

---

**Subject:** FW: 0163-EX-CM-2018

---

**From:** Mehta, Daryush - 0448 - MITLL [<mailto:Daryush.Mehta@ll.mit.edu>]  
**Sent:** Monday, August 27, 2018 4:16 PM  
**To:** [oetech@fccsun27w.fcc.gov](mailto:oetech@fccsun27w.fcc.gov); Behnam Ghaffari <[Behnam.Ghaffari@fcc.gov](mailto:Behnam.Ghaffari@fcc.gov)>  
**Cc:** Fischetti, Joseph - 1160 - MITLL <[fischetti@ll.mit.edu](mailto:fischetti@ll.mit.edu)>  
**Subject:** RE: 0163-EX-CM-2018

Dear Behnam Ghaffari

Thank you for your inquiry. I tried submitting the response below through the FCC online form here: <https://apps.fcc.gov/oetcf/els/forms/SubmitCorrespondenceEntry.cfm>. But the website says that our confirmation number does not line up with the correspondence number below. From my records, I have the following confirmation number from when we initially applied: EL195388. The correspondence reference number is 43629.

I got the following error:

**The following error(s) occurred while processing the requested page:**

**There is not a correspondence on file with reference number 43629 and confirmation number EL195388.**

**Use your browser's back button, correct the indicated discrepancy and re-submit the page.**

Is it possible that we need to use a different confirmation number? Thanks for your help with this amendment.

Sincerely  
Daryush

August 27, 2018

Response to inquiry from FCC dated August 27, 2018.

To: Behnam Ghaffari <[Behnam.Ghaffari@fcc.gov](mailto:Behnam.Ghaffari@fcc.gov)>

Applicant: MIT Lincoln Laboratory  
File Number: 0163-EX-CM-2018  
Correspondence Reference Number: 43629  
Date of Original Email: 08/27/2018

This correspondence is in response to the following response from the FCC: "Please explain the purpose of your filing to amend your experimental license."

Response:

The amendment to the experimental license consisted of adding 2 antennas to the experimental license (no change to approved power, emission designator, or frequency):

Manufacturer: Taoglas Antenna Solutions  
Model Number: SWLP.2450.10.4.A.02  
No. of Units: 30  
Experimental? Yes

Manufacturer: Taoglas Antenna Solutions  
Model Number: SWLP.2450.12.4.B.02  
No. of Units: 30  
Experimental? Yes

The purpose of adding these two antenna types is due to results obtained using data from the current FCC-approved antennas. During experimentation, we found that the signal being recorded by the device would be affected by proximity to the human body and trigger signal dropouts. To mitigate the signal dropouts, we propose experimenting with the two antennas listed above that are ceramic antennas designed to work on a ground plane and would enable signal transmission without signal dropouts when worn in proximity to the human body. Integrating these additional antenna types are critical for operation of the on-body, wearable system that is being tested under this experimental license.

Please let us know if we can provide further information to the FCC.

Sincerely

Daryush Mehta

---

**From:** [oetech@fccsun27w.fcc.gov](mailto:oetech@fccsun27w.fcc.gov) <[oetech@fccsun27w.fcc.gov](mailto:oetech@fccsun27w.fcc.gov)>  
**Sent:** Monday, August 27, 2018 11:42 AM  
**To:** Mehta, Daryush - 0448 - MITLL <[Daryush.Mehta@ll.mit.edu](mailto:Daryush.Mehta@ll.mit.edu)>  
**Subject:** 0163-EX-CM-2018

[FCC Home](#) | [Search](#) | [RSS](#) | [Updates](#) | [E-Filing](#) | [Initiatives](#) | [Consumers](#) | [Find People](#)

**Office of Engineering and Technology**

To: Daryush Mehta, MIT Lincoln Laboratory

[daryush.mehta@ll.mit.edu](mailto:daryush.mehta@ll.mit.edu)

From: Behnam Ghaffari

[Behnam.Ghaffari@fcc.gov](mailto:Behnam.Ghaffari@fcc.gov)

Applicant: MIT Lincoln Laboratory

File Number: 0163-EX-CM-2018

Correspondence Reference Number: 43629

Date of Original Email: 08/27/2018

Please explain the purpose of your filing to amend your experimental license.

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 08/27/2018 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.