From: Simeon Kanis

To: Doug Young
Date: March 21, 2014

Subject: Request for Info - STA File #0178-EX-ST-2014

Message:

Hello Doug,

Here are my answers for your questions. During this time of getting the FCC license, I realized how the system works. I hope now to give you my most clear image of the satellite.

The satellite carries 2 transmitters: UHF and Iridium. The UHF has the assigned frequency from IARU (I have attached in the application the frequency letter) 437.46225 MHz.
The Iridium has fixed frequencies 1616-1625.5 MHz as I have described in my previous comments.
So, they will be the only transmitters on the satellite.

We are going to use a ground station here in California with the longitude and latitude which I have included in the application. We asked from the IARU a new frequency to use for the uplink so we are going to transmit from this station in the following frequency: 434 Mhz.
I did call Hans 2 days ago who is the advisor from the IARU to get this frequency and he told me that we should have by tonight the frequency letter for uplink at 434 MHz. He said that the frequency looks fine for them (because we requested that frequency). For this frequency (or uplink) we have one UHF receiver on the satellite who is going to listen at this specific frequency from the ground station.

Finally, I have edited the application to have the correct information for the satellite (mobile), so I removed the San Jose and put in the text field of "If mobile, describe the exact area of operation" the content of "Low Earth Orbit". Also, I included the 434 MHz frequency in the ground station area and removed the 434 from the satellite.

I hope that now it is more clear and make sense. I apologize for not being clear from the beginning. It is a new experience and want to go through the right process.

Doug, please let me know what is the status of the licenses and once I have news from the IARU I am going to send you an email with the new spacecap information for the uplink (434 MHz).

Thank you for all of your support.

Best Regards,
Simon Kanis