

From: Charles Sommer

To: Behnam Ghaffari

Date: July 17, 2018

Subject: 0476-EX-CN-2018

Message:

Hi Behnam Ghaffari,

Following your email, I would like to update our licence application.

First band (VHF, satellite side, uplink, receiving antenna)

- Frequency band: 143-146 MHz
- ERP: 3.5 dBW
- Designator: 6M00F1D

Second band (UHF, satellite side, downlink, emitting antenna)

- Frequency band: 435-450 MHz
- ERP: 3.5 dBW
- Designator: 15M0F1D

Third band (UHF, ground station, downlink, receiving antenna)

- Latitude: 34.200783°
- Longitude: -118.172016°
- Altitude: 1168 ft / 356 meters
- Frequency band: 435-470 MHz
- Transmit power: 100 Watts
- Antenna Gain: 20 dBi
- Effective Radiated Power (EIRP): 70 dBm / 40 dBW / 10 kW
- Designator: 35M0F1D

We do not own a VHF antenna for our ground station yet, though, its specifications would be close to our current UHF antenna.

We are currently studying if we can rely on a single UHF communication link for both downlink and uplink.

Can I update this application once we have finished our study?

Thank you for your understanding.

Best regards,

Charles Sommer

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