

From: David Weinreich

To: Doug Young
Date: August 02, 2021

Subject: Request for Info - File # 0594-EX-CN-2021

Message:

Response to FCC Correspondence
-- Reference Number 63621 --

From Jan Stupl, PACE-1 Mission Office:

Regarding our PACE-1 NTIA filing, we requested the following authorized NTIA frequencies based an incomplete understanding of the MSS frequency bands:

- Iridium: 1610 to 1626 MHz
- Globalstar 1611.25 to 1618.75MHz

Instead, we are using the following bands for Tx from the respective PACE-1 MSS transmitters

- Globalstar: 1615 to 1617.5MHz (single channel at 1616.25MHz, with bandwidth of 2.5MHz)
- Iridium: 1618.725MHz and above

The bands we are using ensure that the MSS transmitters don't transmit in the shared band (1617.775 to 1618.725 MHz) and also ensure that the transmitters won't introduce interference into the radio astronomy band (1610.6 to 1613.8MHz).

Since the bands are subsets of what had been previously authorized, PACE-1 is already compliant with the NTIA authorization and the FCC frequency allocations.

For consistency, the PACE team has alerted our spectrum manager at NASA Ames Research Center, William Notley (cc-ed) about the discrepancy between originally filed frequencies and the corrections mentioned above. He filed the attached correction to our original NTIA certification for PACE-1.

New Exhibit Attached:

NTIA File Correction: PACE-1 IRIDIUM AND GLOBALSTAR RFA MODIFICATIONS (8-2-21).TXT

Best,
Jan

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