

Joseph Crowley

From: Stupl, Jan (ARC-RS)[MILLENNIUM ENGINEERING & INTEGRATION CO]
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Sent: 02 August, 2021 16:23
To: Joseph Crowley
Cc: Kemp, Dayne (ARC-RE)[MILLENNIUM ENGINEERING & INTEGRATION CO]; David Weinreich; Michael Pergola; Nami Dockery; Nguyen, Anh N. (ARC-RS)
Subject: RE: Request for Info - File # 0594-EX-CN-2021
Attachments: PACE-1 Iridium and Globalstar RFAs Modification Changes (8-2-21).pdf

EXTERNAL - This message was sent from outside the Globalstar network.

Hi Joseph,

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.

Best,
Jan



Jan Stupl

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