

Leann Nguyen

From: Ali Nassib
Sent: Thursday, May 14, 2020 10:04 AM
To: Leann Nguyen
Cc: OET-SCB; ELB-Coordination-Info
Subject: FW: 0700-EX-ST-2019 Conditional Concurrence
Attachments: 0700-EX-ST-2020.RTF

Best regards

Ali Nassib
Engineer, PhD
FCC/OET/Spectrum Coordination Branch
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Phone: 202-418-0758
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“Physical understanding needs high level of abstract thinking”

From: FAB <FAB@ntia.gov>
Sent: Thursday, May 14, 2020 9:59 AM
To: David Duarte <David.Duarte@fcc.gov>; Ali Nassib <Ali.Nassib@fcc.gov>
Cc: OET-SCB <OET-SCB@fcc.gov>; FAB <FAB@ntia.gov>; John Kennedy <John.Kennedy@fcc.gov>; Melz, Gregory <GMelz@ntia.gov>; McFall, John <JMcFall@ntia.gov>; Snead, Thomas D CIV USARMY HQDA CIO G-6 (USA <thomas.d.snead.civ@mail.mil>; Ford, Melvin Ray CIV USARMY HQDA CIO G-6 (USA <melvin.r.ford.civ@mail.mil>; Sanchezreyes, Edwin CIV USARMY NETCOM (USA <edwin.sanchezreyes.civ@mail.mil>; CARTER, KHAN J GS-13 USAF ACC AFSMO/AFSMO <khan.carter.1@us.af.mil>; HAMILTON, ARTHUR III GS-13 USAF ACC AFSMO/SQA <arthur.hamilton.1@us.af.mil>; Stephenson, Derrick R CIV USN NAVMARSPECCN FTM MD (USA <derrick.stephenson1@navy.mil>; Gibson, James E CIV USN NAVMARSPECCN FTM MD (USA <james.e.gibson1@navy.mil>; Rhodes, Bryan A. (GRC-MSC0 <bryan.a.rhodes@nasa.gov>
Subject: 0700-EX-ST-2019 Conditional Concurrence

NTIA conditionally concurs with the Federal Communications Commission Special Temporary Authorization (STA) requested by Blue Origin Texas, LLC. for Van Horn, TX during the period 01 August, 2020 thru 01 October, 2020 under the following conditions:

1. Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
2. This STA is limited to launch vehicle communications for the telemetry transmissions and reception, no earlier than 01 August, 2020, to support a single flight of the New Shepard space launch booster and capsule. This STA will expire as soon as the launch has been completed or 01 October, 2020, whichever occurs first. Applications for any future launches, or modifications to this STA, shall be submitted to the FCC for re-coordination with NTIA.

3. Blue Origin Texas, LLC shall be aware that future non-federal launches will be considered on a case-by-case basis, for requests in the band 2200-2290 MHz, and Blue Origin Texas, LLC shall have no expectations that future launches will be approved for operation in this band.
4. Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
5. All transmissions in the band 2200-2290 MHz shall comply with national and international power flux-density limits, except in cases where expected exceedances are pre-coordinated and agreed-upon by Federal Agencies.
6. As soon as possible, but no later than 60 business days prior to commencing flight operations, Blue Origin shall provide, as a minimum, launch date/window and planned first and second-stage trajectory, transmission frequencies with associated duration/cut-off time to: Jimmy Nguyen (jimmy.nguyen@us.af.mil), Robert Avery (robert.avery.9@us.af.mil), David Pooley (David.pooley.us.af.mil) NASA GSFC Spectrum Management Office (NASA-DL-GSFC-Spectrum-Management@nasa.gov), Richard Ontiveros (richard.ontiveros1.civ@mail.mil), Stephen Harris (stephen.b.harris6.civ@mail.mil), Carmelo Rivera (carmelo.rivera@noaa.gov), and Cathy Sham (catherine.c.sham@nasa.gov). In the event of last-minute changes, 48-hour notice is required.
7. Blue Origin Texas shall coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD) a minimum of sixty (60) days prior to the flight test, to mitigate harmful interference to Navy/Marine Corps/DoD operations. Blue Origin Texas must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD). The primary contacts for frequency coordination: Mr. James Moneyhon, (540) 653-3477- james.moneyhon@navy.mil, Mr. A. Jason Verdugo, (540) 653-9590 – Anthony.J.Verdugo@navy.mil, and/or Mr. Phillip B. Scyphers, (540) 653-6071 – Phillip.scyphers@navy.mil. Group email box: W_DLGR_NSWC_FTMA_FM@navy.mil.
8. At least 14 days prior to operations the Stop Buzzer information, for launch operations shall be provided to NTIA (bmitchell@ntia.doc.gov) and Yuma Proving Grounds Operations, Steve Sparks (YPG Spectrum Manager) at 928-328-7144. This phone shall be manned 24/7.
9. Blue Origin must coordinate their S-Band operations, with the DoD-AFC (WSMR) office, at least 96 hours prior to operation, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. Blue Origin will provide dates/times of tests, and an electronic copy of the final FCC License, under which they will be operating.

Very Respectfully,
Michael Brown
Telecommunications Specialist
Frequency Assignment Branch
U.S. Department of Commerce, NTIA
Fairfield Office
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