

Conditions

Applicant: Universal Space Network, Inc. (USN)

File No.: SES-STA-20150213-00081

Call Sign:

USN is granted special temporary authority to operate its fixed earth station in Naalehu, HI, to support of the launch and initial operation test phase of the Galileo FOC3 & FOC4 on March 27, 2015, for 60 days under the following conditions.

1. Operations a limited to the following parameters:

Frequencies MHZ	T/R	Pol.	Em. Desg.	Max Carrier EIRP	Max EIRP Density per 4 kHz	Mod & Service
2228.094	R	L,R	510KG2D			20 kbps data is PSK modulated into a 255 kHz subcarrier with 100 kHz tone
2234.232	R	L,R	510KG2D			20 kbps data is PSK modulated into a 255 kHz subcarrier with 100 kHz tone
2225.025	R	L,R	510KG2D			20 kbps data is PSK modulated into a 255 kHz subcarrier with 100 kHz tone (EMERGENCY USE ONLY)
2051.703	T	L,R	200KG2D	68	51	2 kbps data PSK modulated onto an 8 kHz subcarrier with 100 kHz major ranging tones
2057.355	T	L,R	200KG2D	68	51	2 kbps data PSK modulated onto an 8 kHz subcarrier with 100 kHz major ranging tones
2048.887	T	L,R	200KG2D	68	51	2 kbps data PSK modulated onto an 8 kHz subcarrier with 100 kHz major ranging tones (EMERGENCY USE ONLY)

Minimum Elevation for Transmission: 5 degrees

2. Operations under this STA shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.

3. The USN must maintain a manned 24x7 Point of Contact (POC) during operations at 215-394-0155 and confirm this "STOP BUZZER"

4. The power flux-density at the Earth's surface from such non-Federal stations shall not exceed -144 to -154 dBW/m<sup>2</sup>/4 kHz, depending on angle of arrival, in accordance with ITU Radio Regulation 21.16

5. This STA will expire as soon as the launch and initial operational test phase is completed. Any future launches will need to submit applications to the FCC to be re-coordinated with NTIA.

6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending applications or future requests for special temporary authority.

7. Grant of this authorization does not constitute U.S. market access approval for any of the Galileo FOC3 & FOC4 navigation or other services.

8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Universal Space Network, Inc.'s risk.

9. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. Petitions for reconsideration under Section 1.106 or applications for review under Sections 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within thirty days of the date of the public notice indicating that this action was taken.



File # SES-STA-20150213-00081

Call Sign N/A Grant Date 3/27/2015  
(or other identifier)

Term Dates  
From 3/27/2015 To: 5/26/2015

Approved: Paul E. Blair