

To: Ricky Liu
E-Mail: Ricky.Liu@ga-asi.com
From: Nimesh Sangani
Date: July 17, 2019

Subject: Additional Information Request

Message:

Please address the following questions/concerns:

- 1) What is the size of the proposed antenna(s)? Please submit antenna's pattern performances (see Section 25.209 of the commission rules)
- 2) Please submit a radiation hazard of the proposed antennas
- 3) Please provide Point of communication: e.i. Authorized GSO Ku-band (call sign Sxxxx) or NGSO Ku-band satellites (call sign Sxxxx) or both?
- 4) Does the operation of an airborne Ku-band antenna (ESAA) comply with ESAA's requirements set forth in Section 25.227 of the commission rules ?
- 5) If the proposed satellite is NGSO satellite, Please demonstrate or certify that your proposed operations in the 14366-14393.5 MHz band will meet the equivalent power Flux-density levels in the Section 25.208(k) of the Commission's rules and Table 22-2 of Article 22, Section II, of the ITU radio Regulations.
- 6) Please certify that your proposed operations and communication between earth stations and satellites are in compliance with all existing or future coordination agreements between the proposed satellite operators stated in the "point of commination" and other GSO and/or NGSO satellite operators with co-frequency operations.

Prior to GRANT being issue, we will need the following information:

For operations at the 14366-14393.5 MHz, applicant must obtain a written consent from earth station operators or remove this band.

1) For location at Poway, SAN DIEGO,CA- NL 32-56-29; WL 117-01-38 ---- Maximum altitude above ground of SkyGuardian UAV at Poway, CA: 262.1 m / 860 ft.

To request this consent, please contact:

Call Sign: E000166 File Number: SES-MOD-20180420-00381

Licensee: HNS License Sub, LLC
ATTN: Jodi Goldberg
Phone: 301-428-7140 Fax: 301-428-2818 E-Mail: jodi.goldberg@echostar.com

Call Sign: E000329 File Number: SES-MOD-20150311-00140

Licensee: iHeartMedia + Entertainment, Inc.
ATTN: FCC Contact

Phone: 918-664-4581 Fax: 918-664-3066 E-Mail: fcccontact@iheartmedia.com

Counsel: IHEARTMEDIA, INC.
Phone: 210-822-2828 Fax: E-Mail:

Call Sign: E000002 File Number: SES-MOD-20130123-00077

Licensee: L-3 Communications Corporation Linkabit Division
ATTN: Mark Monte
Phone: 858-552-9287 Fax: E-Mail: mark.monte@l-3.com

Counsel: FLETCHER, HEALD & HILDRETH, PLC
Phone: 703-812-0470

Call Sign: E100010 File Number: SES-LIC-20100108-00057

Licensee: UCSD Scripps Institution of Oceanography
ATTN: Mr Jonathan Berger
Phone: 858-534-2889 Fax: E-Mail: jberger@ucsd.edu

Counsel: COMMSYSTEMS
Phone: 1-858-824-0056

Call Sign: E010274 File Number: SES-RWL-20111104-01332

Licensee: ViaSat, Inc.
ATTN: Mr Daryl T Hunter
Phone: 760-476-2583 Fax: 760-929-3941 E-Mail: daryl.hunter@viasat.com

For operations at the 14366-14393.5 MHz, applicant must obtain a written consent from earth station operators or remove this band.

1) For location at Yuma,AZ- NL 32-52-00; WL 114-23-48 ---- Maximum altitude above ground of SkyGuardian UAV at Yuma, AZ: 10.67 km/ 35000 ft.

There are 106 authorized Ku-band earth stations (operating in the 14-14.5 GHz band) located within 265 miles of Yuma, AZ. Please reduce maximum altitude above ground to 1) 10,000 ft and obtain a written consent from HARRIS CORPORATION (E060354) or 2) to 11,000 ft and obtain written consent from earth station licensees (see below).

1) For location at Yuma,AZ- NL 32-52-00; WL 114-23-48 ---- Maximum altitude above ground of SkyGuardian UAV at Yuma, AZ: 10,000 ft.

To request this consent, please contact:

Call Sign: E060354 File Number: SES-LIC-20060915-01735

Licensee: HARRIS CORPORATION
ATTN: Mike Feustel
Phone: 321-309-7178 Fax: 321-309-7530 E-Mail: mfeustel@harris.com

Counsel: HOLLAND & KNIGHT LLP
ATTN:
Phone: 202-828-1889

2) For location at Yuma,AZ- NL 32-52-00; WL 114-23-48 ---- Maximum altitude above ground of SkyGuardian UAV at Yuma, AZ: 11,000 ft.

To request this consent, please contact:

Call Sign: E120125 File Number: SES-LIC-20120717-00654

Licensee: FARMWORKER EDUCATIONAL RADIO NETWORK, INC.
ATTN: DAVID WHITEHEAD
Phone: 602-278-1202 Fax: E-Mail:

Counsel: FARMWORKER EDUCATIONAL RADIO NETWORK, INC.
Phone: 661-747-3110

Call Sign: E010254 File Number: SES-MOD-20140304-00124

Licensee: Antenna Technology Communications, Inc.
ATTN: Mr. Rich Rhoton
Phone: 480-308-4557 Fax: 480-898-7667 E-Mail: rhoton@atci.com

Counsel: FLETCHER, HEALD & HILDRETH, PLC
Phone: 703-812-0470

Call Sign: E070101 File Number: SES-LIC-20070605-00755

Licensee: Maricopa County Community College District
ATTN: Dennis Gilliam
Phone: 480-774-8300 x Fax: 480-774-8310 E-Mail: dennis.gilliam@riomail.maricopa.edu

Call Sign: E980469 File Number: SES-RWL-20081103-01436

Licensee: Scripps Broadcasting Holdings LLC
ATTN: David Giles
Phone: 513-977-3000 Fax: E-Mail: dave.giles@scripps.com

Counsel: BAKER & HOSTETLER LLP
ATTN:
Phone: 202-861-1580

Call Sign: E110042 File Number: SES-LIC-20110323-00338

Licensee: COMTECH EF DATA CORP.
ATTN: Robert L McCollum
Phone: 480-333-2204 Fax: 480-333-2100 E-Mail: rmccollum@comtechefdata.com

Counsel: COMTECH EF DATA CORP
ATTN:
Phone: 480-333-2190

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of July 17, 2019 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 49559