

To: Kelsie Rutherford
E-Mail: kelsie.rutherford@ses.com
From: Hung Le
Date: August 25, 2021

Subject: Request for Info - File # 1308-EX-ST-2021

Message:

1. Will the testing between the CGC 5.5-meter antenna and AMSC-15 GSO satellite be terminated once the CGC 5.5-meter antenna starts to communicate with 03b NGSO satellite?

2. The 28.35-28.6 GHz and 29.25-30.0 GHz (Earth-to-space) frequency bands are primary allocation for GSO FSS systems and secondary allocation for NGSO FSS systems. NGSO operations must not cause harmful interference to GSO networks. Please amend power levels and address how the CGC 5.5-meter antennas' proposed operations will comply with the Section 2.106 and the Commissions' Ka band plan? Five CGC 5.5-meter antennas at El Mirage, AZ filed under Call Sign E210037 to communicate with 03b NGSO satellite:

28350-29100 and 29250-30000 MHz	T	Left and RightCircular	54M0G7D	73.4 dBW	32.1 dBW/4KHz
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28350-29100 and 29250-30000MHz	T	Left and RightCircular	850MG7D	85.4 dBW	32.1 dBW/4KHz
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One CGC 5.5-meter antenna at El Mirage, AZ filed under File No. 1308-EX-ST-2021 to communicate with AMSC-15 GSO satellite:

28.4-28.6 GHz and 29.5-30 GHz	FX	54M0G7D	150000000W (ERP)	(83.9 dBW)
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28.4-28.6 GHz and 29.5-30 GHz	FX	850MG7D	150000000W (ERP)	(83.9 dBW)
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3. There will be 6 CGC 5.5m antennas located at El Mirage, AZ. The input power at antenna flange for each antenna is 500 Watts (see attached Radiation Hazard Analysis in the application under Call Sign E210037). Please address and demonstrate that the total MPE of all 6 antennas will meet the Section 1.1307(b) of the Commission's rules for multiple carriers at site.

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 August 25, 2021 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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