

antenna patterns, provide the result of the execution of the computer simulation for the anticipated in-line operational EPFD_{down} levels for each of the submitted test points provided by the Commission. Submitted test points are based on inputs from U.S.-licensed geostationary satellite orbit fixed-satellite service and broadcast satellite service operators in the bands 10.7 GHz to 14.5 GHz. Each U.S.-licensed geostationary satellite orbit fixed-satellite service and broadcast satellite service operator in the bands 10.7 GHz to 14.5 GHz may submit up to 10 test points for this section containing the latitude, longitude, altitude, azimuth, elevation angle, antenna size, efficiency to be used by non-geostationary satellite orbit fixed-satellite service licensees in the bands 10.7 GHz to 14.5 GHz during the upcoming year.

(c) The NGSO FSS system licensee shall, on June 30 of each year, file a report with the International Bureau and the Commission's Columbia Operations Center in Columbia, Maryland, certifying that the system continues to operate within the bounds of the masks and other input parameters specified under 25.146(a) and 25.146(b) as well as certifying the status of the additional operational EPFD_{down} levels into the 3 m and 10 m geostationary satellite orbit fixed-satellite service receiving Earth station antennas, the operational EPFD_{down} levels into the 3 m, 4.5 m, 6.2 m and 10 m geostationary satellite orbit fixed-satellite service receiving Earth station antennas and the operational

EPFD_{down} levels into the 180 cm geostationary satellite orbit broadcast satellite service receiving Earth station antennas in Hawaii and 240 cm geostationary satellite orbit broadcast satellite service receiving Earth station antennas in Alaska.

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(f) Coordination will be required between NGSO FSS systems and GSO FSS earth stations in the frequency band 10.7–12.75 GHz when all of the following threshold conditions are met:

(1) Bandwidth overlap; and
(2) The satellite network using the GSO has specific receive earth stations which meet all of the following conditions: earth station antenna maximum isotropic gain greater than or equal to 64 dBi; G/T of 44 dB/K or higher; and emission bandwidth of 250 MHz; and the EPFD_{down} radiated by the satellite system using the NGSO into the GSO specific receive earth station, either within the U.S. for domestic service or any points outside the U.S. for international service, as calculated using the ITU software for examining compliance with EPFD limits set forth in Article 22 of the ITU Radio Regulations exceeds $-174.5 \text{ dB(W/(m}^2/40\text{kHz))}$ for any percentage of time for NGSO systems with all satellites only operating at or below 2500 km altitude, or $-202 \text{ dB(W/(m}^2/40\text{kHz))}$ for any percentage of time for NGSO systems with any satellites operating above 2500 km altitude.

(3) If there is no ITU software for examining compliance with EPFD limits

set forth in Article 22 of the ITU Radio Regulations, then the EPFD_{down} coordination trigger is suspended and the requirement for coordination will be based on bandwidth overlap and the satellite network using the GSO has specific receive earth stations which meet all of the following conditions: earth station antenna maximum isotropic gain greater than or equal to 64 dBi; G/T of 44 dB/K or higher; and emission bandwidth of 250 MHz.

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■ 3. In § 25.208, paragraph (l) is amended by adding Footnote 5 to the heading of Table 1L and paragraph (m) is amended by adding Footnote 5 to the heading of Table 1M to read as follows:

§ 25.208 Power flux density limits.

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(1) * * *

⁵ For each reference antenna diameter, the limit consists of the complete curve on a plot which is linear in decibels for the EPFD levels and logarithmic for the time percentages, with straight line joining the data points.

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(m) * * *

⁵ For each reference antenna diameter, the limit consists of the complete curve on a plot which is linear in decibels for the EPFD levels and logarithmic for the time percentages, with straight line joining the data points.

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