## Federal Communications Commission

## §25.220

15–25log <sub>10</sub> θ	dBW/4 kHz	for $1.5^\circ \le \theta \le 7^\circ$ .
-ο 18–25log <sub>10</sub> θ	dBW/4 kHz dBW/4 kHz	for $9.2^{\circ} < \theta \le 9.2^{\circ}$ .
-24	dBW/4 kHz	for $48^\circ < \theta \le 180^\circ$ .

Where  $\theta$  is as defined in paragraph (c)(1) of this section. The EIRP density levels specified for  $\theta > 7^{\circ}$  may be exceeded by up to 3 dB in up to 10% of the range of theta ( $\theta$ ) angles from  $\pm 7-180^{\circ}$ ,

and by up to 6 dB in the region of main reflector spillover energy.

(2) For co-polarized transmissions in the plane perpendicular to the GSO arc:

$-24$ dBW/4 kHz for $48^{\circ} < \theta \le 85^{\circ}$ .
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Where  $\theta$  is as defined in paragraph (c)(1) of this section. These EIRP density levels may be exceeded by up to 6 dB in the region of main reflector spillover energy and in up to 10% of the range of  $\theta$  angles not included in that region, on each side of the line from the earth station to the target satellite.

(3) For cross-polarized transmissions in the plane tangent to the GSO arc and in the plane perpendicular to the GSO arc:

5–25log <sub>10</sub> $\theta$ dB	BW/4 kHz for 1.5°	$\leq \theta \leq 7^{\circ}.$
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Where  $\theta$  is as defined in paragraph (c)(1) of this section.

(4) A license application for earth station operation in a network using variable power density control of earth stations transmitting simultaneously in shared frequencies to the same target satellite receiving beam may be routinely processed if the applicant certifies that the aggregate off-axis EIRP density from all co-frequency earth stations transmitting simultaneously to the same target satellite receiving beam, not resulting from colliding data bursts transmitted pursuant to a contention protocol, will not exceed the off-axis EIRP density limits permissible for a single earth station, as specified in paragraphs (h)(1) through (h)(3) of this section.

(i) Applications for authority for fixed earth station operation in the 5925-6425 MHz or 14.0-14.5 GHz band that do not qualify for routine processing under relevant criteria in this section, §25.211 or §25.212 are subject to the requirements in §25.220.

[81 FR 55339, Aug. 18, 2016]

## §25.219 [Reserved]

## § 25.220 Non-routine transmit/receive earth station operations.

(a) The requirements in this section apply to applications for, and operation of, earth stations transmitting in the conventional or extended C-bands, the conventional or extended Ku-bands, or the conventional Ka-band that do not qualify for routine licensing under relevant criteria in \$25.138, \$25.211, \$25.212, \$25.218, \$25.221(a)(1) or (a)(3), \$25.222(a)(1) or (a)(3), \$25.226(a)(1) or (a)(3), or \$25.227(a)(1) or (a)(3).

(b) Applications filed pursuant to this section must include the information required by \$25.115(g)(1).

(c) [Reserved]

(d)(1) The applicant must submit the certifications listed in paragraphs (d)(1)(i) through (d)(1)(iv) of this section. The applicant will be authorized to transmit only to the satellite systems included in the coordination agreements referred to in the certification required by paragraph (d)(1)(i) of this section. The applicant will be