

Exhibit 1: Directional Antenna Information

Antenna size	0.48m
Is a directional antenna (other than radar) used?	Yes
Width of the beam in degrees at the half power point	1.2
Orientation in horizontal plane (degrees)	157.7° – 208.5°
Orientation in vertical plane (degrees)	40° - 44.6°

- 1. Overall height of antenna of antenna structure above the ground (if greater than 6 meters above the ground or an existing structure, see part 17 of this Chapter concerning notification to the FAA).**

The overall height of the antennas above ground level and above existing structures will not exceed six (6) meters.

- 2. Radiation hazard of the proposed antennas.**

Direct line - 30ft
Non-direct line - 3 ft

- 3. Name of satellite for the point of communication (name, call sign, and orbital location of the satellite) operating in the proposed frequency bands**

Name: O3b Limited
Callsign: E140101
File No: SES-LIC-20141001-00781

- 4. Please certify that your proposed operations will comply with all coordination agreements reached by the satellite operator(s).**

SES GS certifies that proposed operations will comply will all coordination agreements reached by the satellite operator(s).

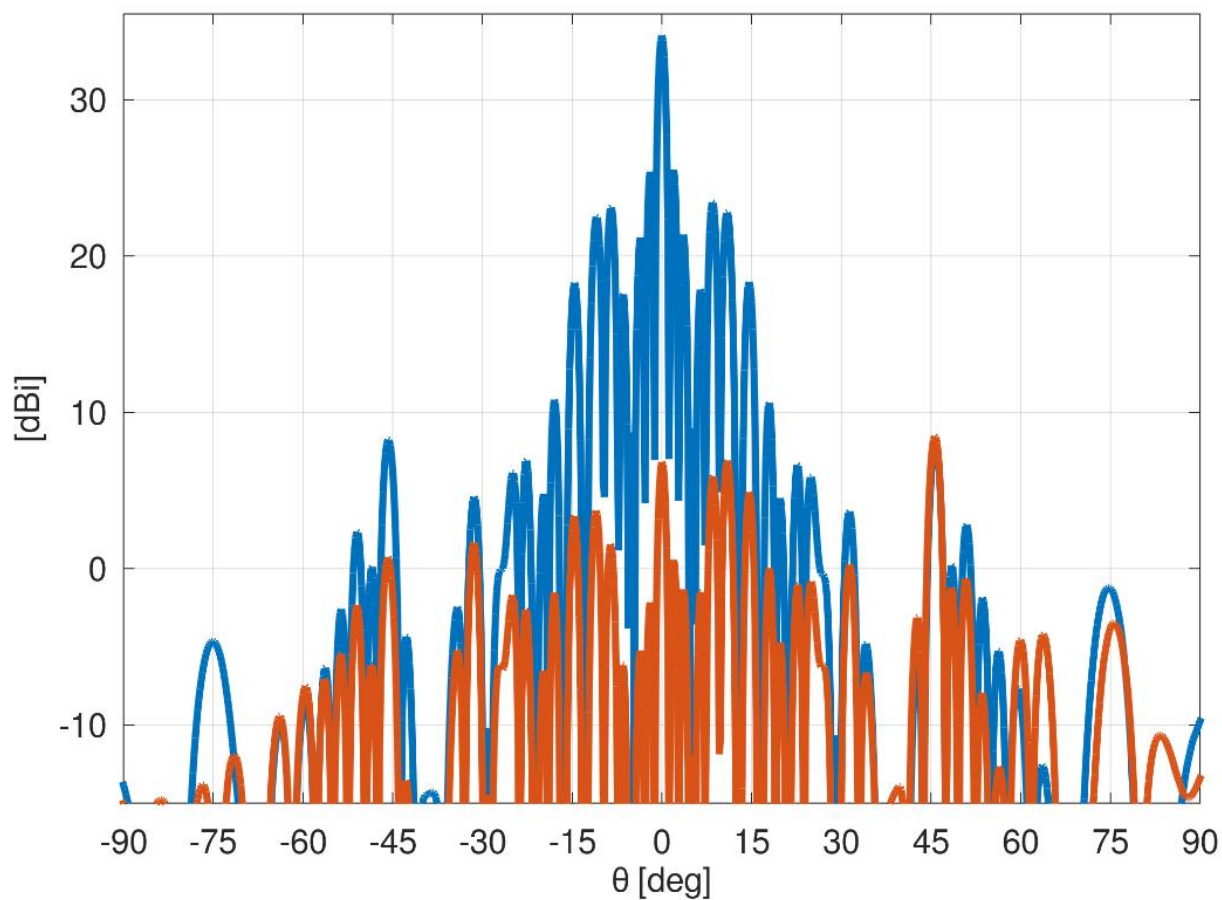
- 5. Certification of Compliance with RR Article 22 and FCC Rule § 25.289**

SES GS certifies that the proposed operations will comply with 47 C.F.R. § 25.289 and will abide by the applicable equivalent power flux-density limits in Article 22, Section II of the ITU Radio Regulations to protect the GSO arc. For the Commission's reference we have attached the antenna patterns for this terminal as an annex.

Antenna Transmit Band Azimuth Pattern RHCP

Cut orthogonal to scan - $Az_0 = 0.0^\circ$ - $El_0 = 0.0^\circ$

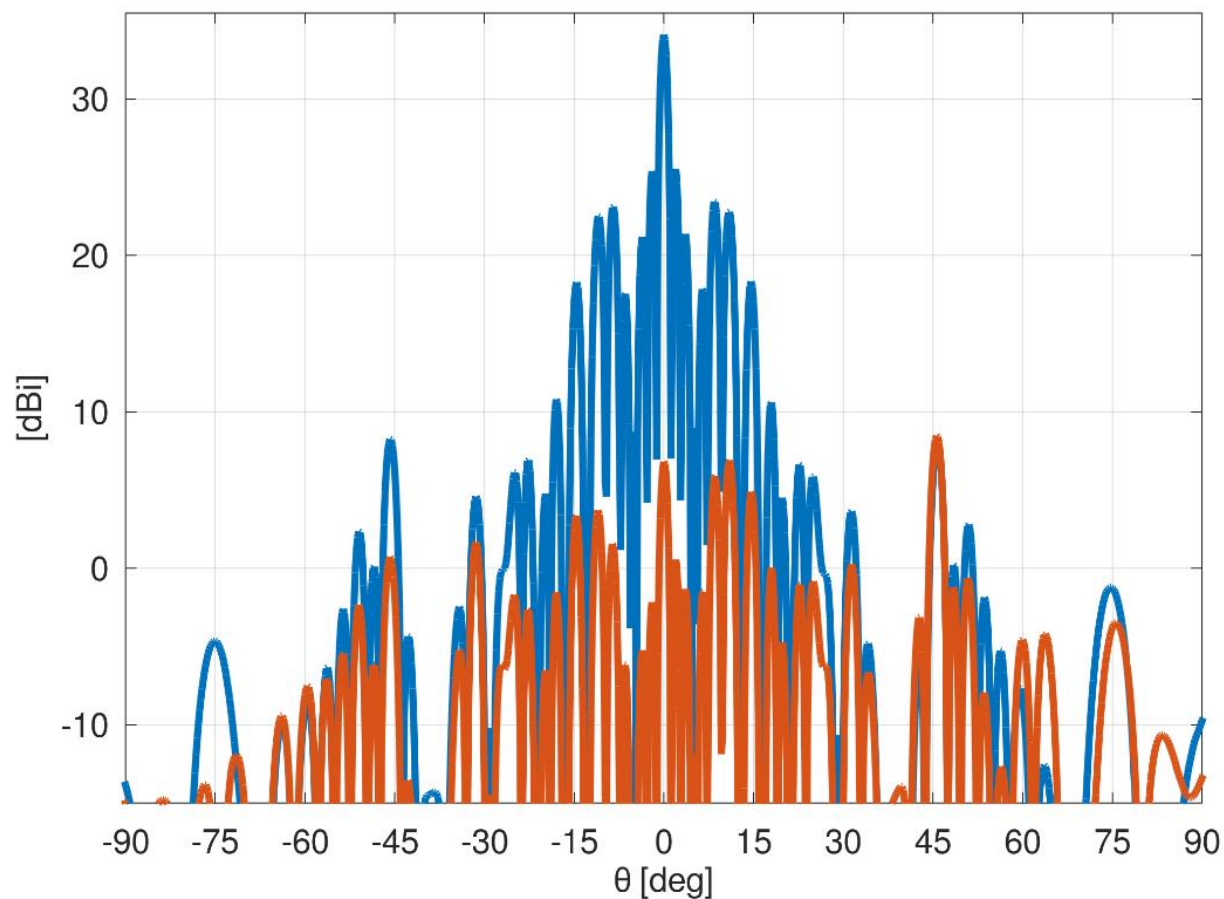
3.0dB BW 1.16° - Peak gain 34.1 dBi - 28.0 GHz



Antenna Transmit Band Azimuth Pattern LHCP

Cut orthogonal to scan - $Az_0 = 0.0^\circ$ - $EI_0 = 0.0^\circ$

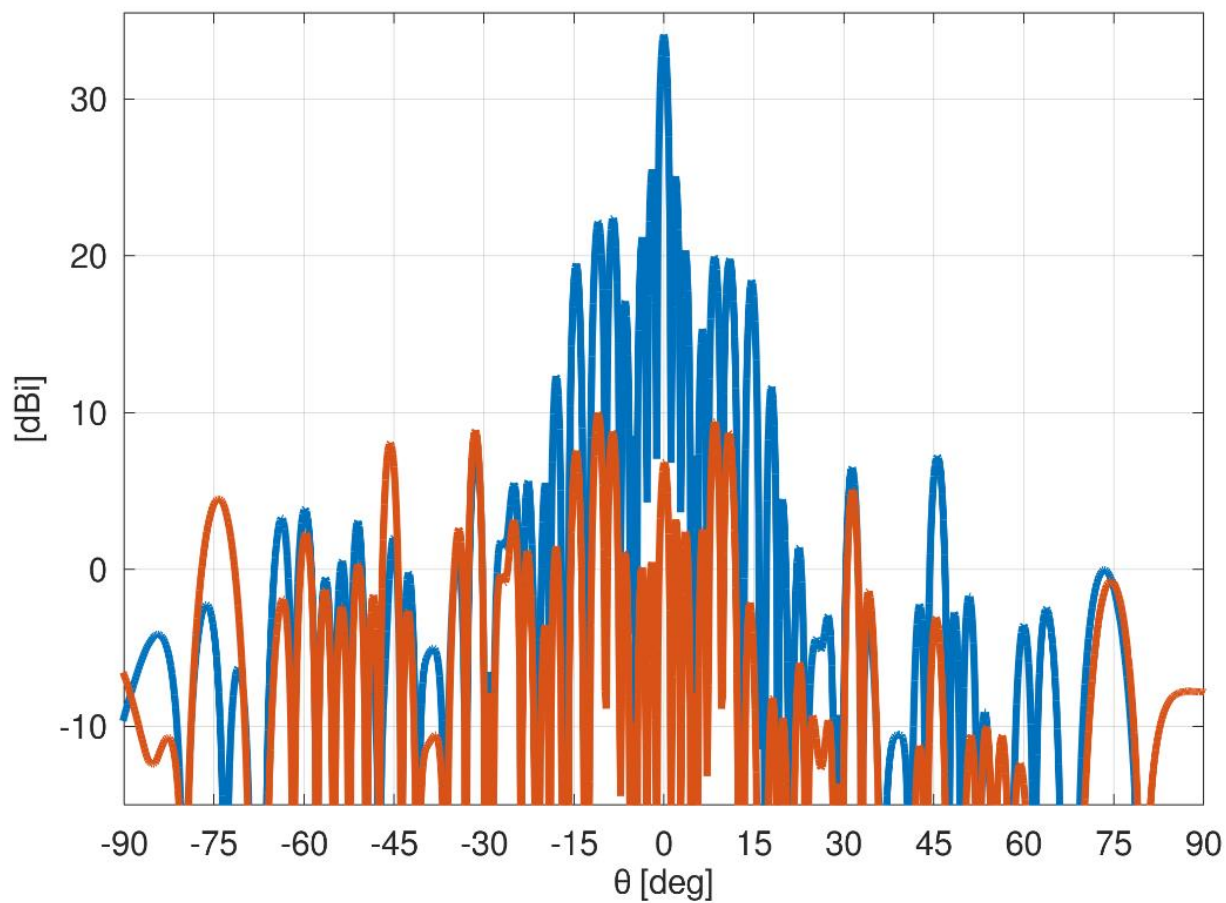
3.0dB BW 1.16° - Peak gain 34.1 dBi - 28.0 GHz



Antenna Transmit Band Elevation Pattern RHCP

Cut parallel to scan - $Az_0 = 0.0^\circ$ - $El_0 = 0.0^\circ$

3.0dB BW 1.16° - Peak gain 34.1 dBi - 28.0 GHz



Antenna Transmit Band Elevation Pattern LHCP

Cut parallel to scan - $Az_0 = 0.0^\circ$ - $EI_0 = 0.0^\circ$

3.0dB BW 1.16° - Peak gain 34.1 dBi - 28.0 GHz

