



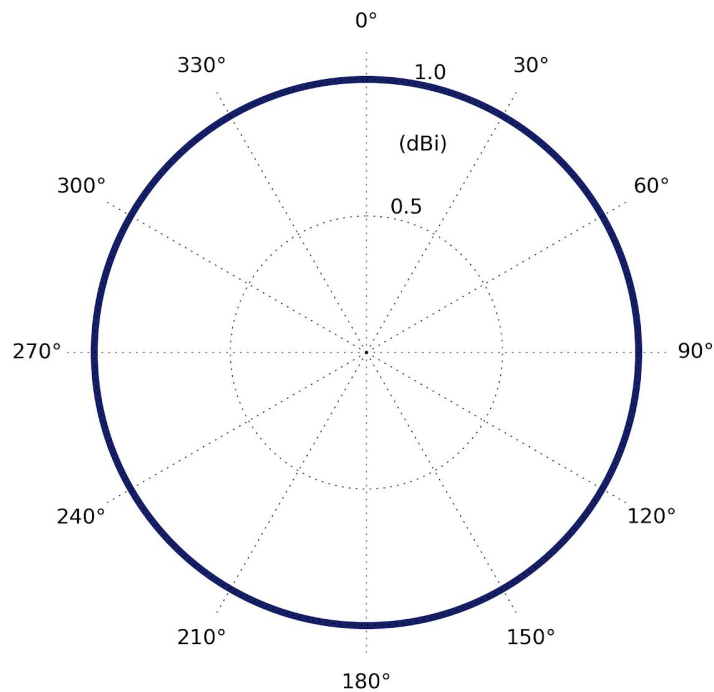
AUDACY LYNQ EXPERIMENTAL MISSION

Directional Antenna Information

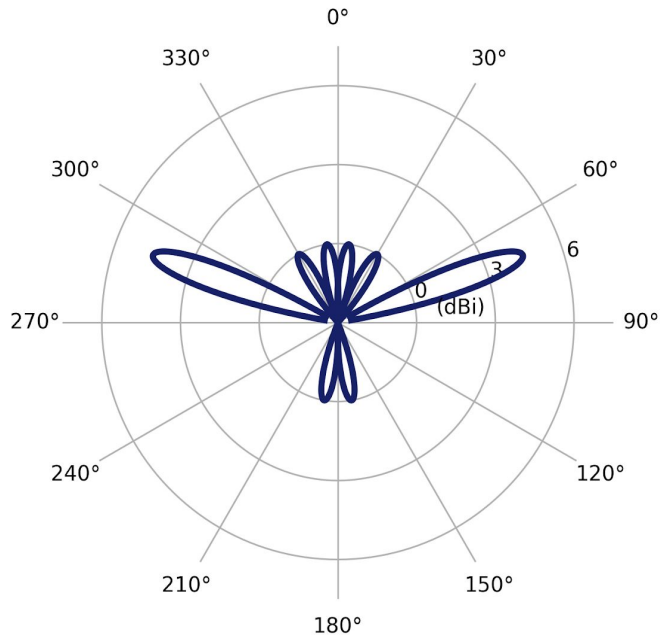
a. Low-Gain Antenna

	Frequency (GHz)	Peak Gain (dBi)	Half-Power (3 dB) Beamwidth (°)
Uplink (Rx)	29.55	Horizontal: 0 Vertical: 5	Horizontal: 180 Vertical: 29.8
Downlink (Tx)	20.15		

■ Horizontal gain pattern:



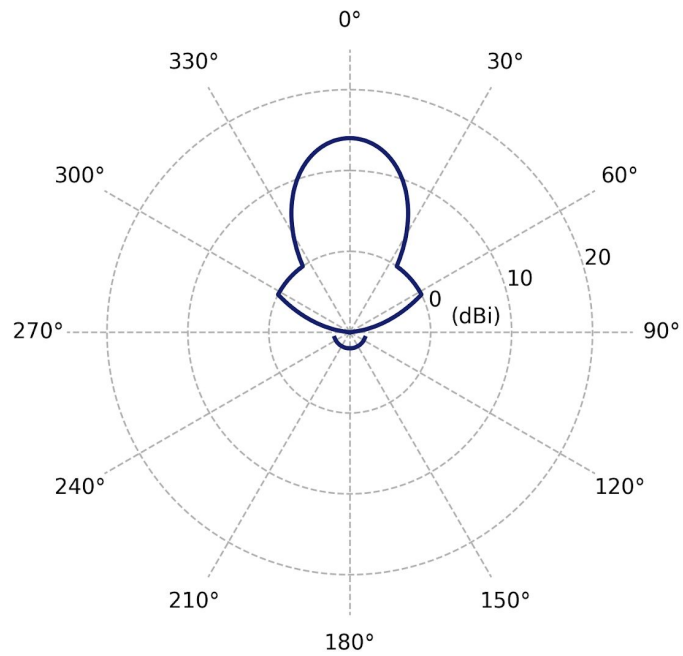
- Vertical gain pattern:



b. High-Gain Antenna

	Frequency (GHz)	Peak Gain (dBi)	Half-Power (3 dB) Beamwidth (°)
Uplink (Rx)	29.55	14.0	34.0
Downlink (Tx)	20.15		

- Rotationally symmetric about antenna boresight.
- Gain pattern:



c. Earth Station Antenna

	Frequency (GHz)	Peak Gain (dBi)	Half-Power (3 dB) Beamwidth (°)
Uplink (Tx)	29.55	64.8	0.10
Downlink (Rx)	20.15	61.5	0.15

- Rotationally symmetric about antenna boresight.
- Uplink gain pattern:

