

MODIFICATION

In this application, Capella Space Corporation (“Capella”) requests authority to communicate with two more ground stations in addition to the three KSAT sites previously authorized (located in Svalbard, Norway, Troll, Antarctica, and Punta Arenas, Chile). Information on the two additional stations is as follows:

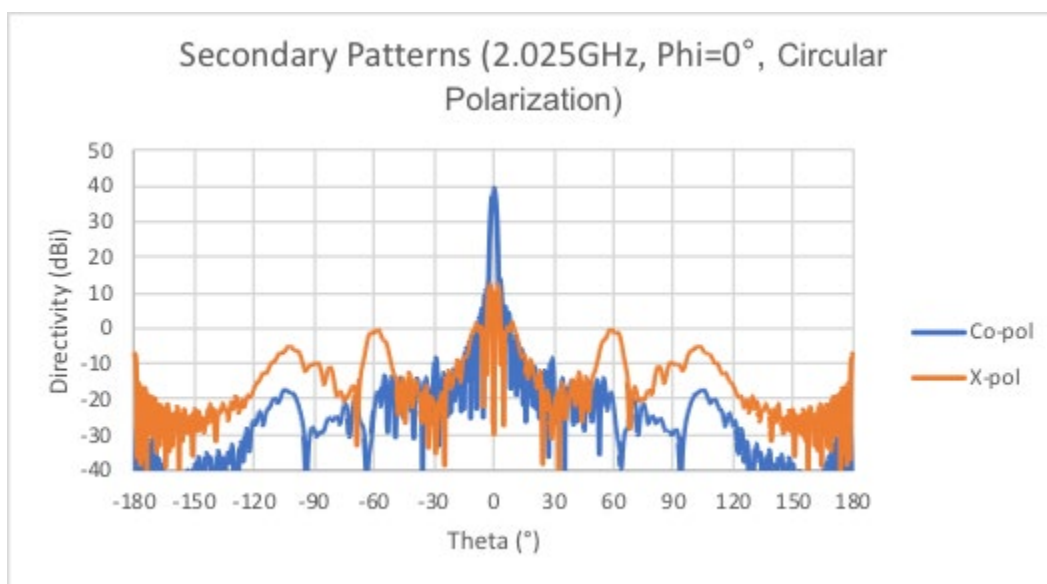
Ground Station 4:

Location: Boardman, OR
Operator: Maris Developments
Lat/Long: 45°51’17”N / 119°37’55”W
Antenna Size: 5.4 meter dish
Antenna Gain: 16.0 dB
Antenna Half-Power Beamwidth: 2.0 degrees (S-band)
Antenna EIRP: 53 dBW
Emission Designator: 200KF1D

Ground Station 5:

Location: Kileville, OH
Operator: Haras Development
Lat/Long: 46°06’15”N / 83°11’58”W
Antenna Size: 5.4 meter dish
Antenna Gain: 16.0 dB
Antenna Half-Power Beamwidth: 2.0 degrees (S-band)
Antenna EIRP: 53 dBW
Emission Designator: 200KF1D

Below are representative transmit beam patterns for these two earth stations.



Secondary Patterns (2.025GHz, $\Phi=90^\circ$, Circular Polarization)

