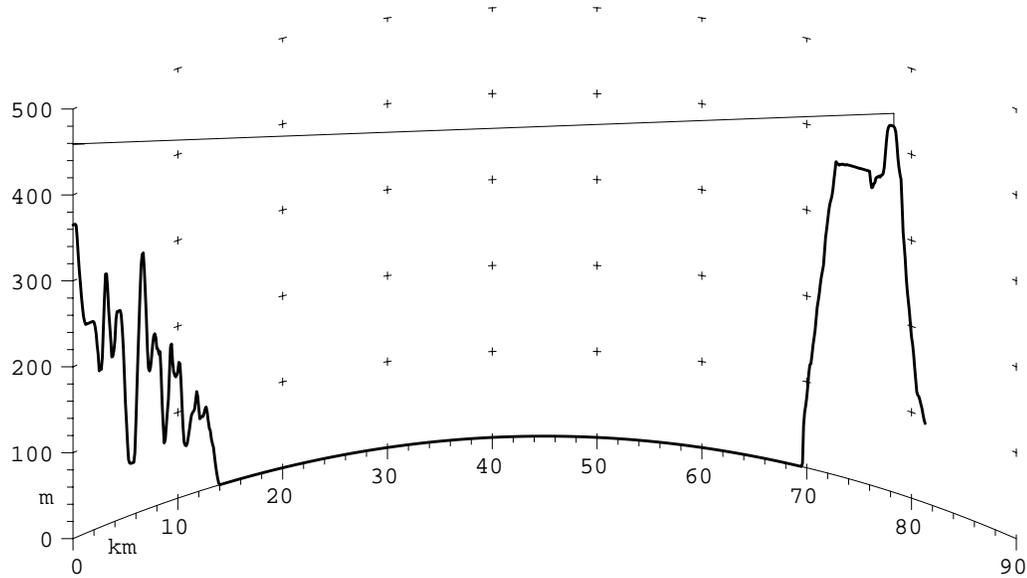


**SBE Comments: ET Docket 00-258 Fourth NPRM
DoD Uplinks at 2 GHz**

Laguna Peak to Palos Verdes Terrain Profile



34°06'30"N 119°03'50"W to 33°44'46"N 118°20'07"W, 4/3 earth, USGS 3" data

Terrain profile from actual Naval Satellite Control Network (NSCN) uplink location at Laguna Peak to ENG-RO site at Palos Verdes. Path is 78.4 kilometers (48.7 miles) bearing 120.7°T. Profile extends 5 kilometers beyond the Palos Verdes ENG-RO site.

Note: USGS 3-second terrain data returns a site elevation of only 356.0 meters (1,198 feet) AMSL for the true Laguna Peak coordinates, whereas the Pt. Mugu topographic map shows the actual site elevation to be 1,457 feet (444.1 meters) AMSL. Therefore, the assumed C.O.R. uplink antenna height of 15.2 meters (50 feet) AGL has been increased by 79.1 meters (260 feet), to 74.2 meters (309 feet) AGL/459.3 meters (1,507 feet) AMSL, to compensate for this under-reporting of the Laguna Peak site elevation. However, in this case it makes no difference: the ENG-RO site at Palos Verdes is clearly unobstructed to the Laguna Peak uplink.

