

Antenna Model & Orientation Change
STA File No. 0514-EX-ST-2013

Alcatel-Lucent ("ALU") hereby requests a minor modification of its STA Filing No. 0514-EX-ST-2013.

The modification is to utilize an RFS APXVLL13N-C antenna model vs. the RFS APXTM14-CT6 antenna model provided with the original submission. The RFS APXVLL13N-C has very similar electrical specification with a small increase in its maximum gain of 18.5 dBi vs. the original antenna selection of 16.5 dBi. The RFS APXVLL13N-C is being proposed based on availability and flexibility of providing variable electrical tilt capabilities. See "APXVLL13N-C Antenna Datasheet" exhibit for additional specification on the antenna being proposed.

Alcatel-Lucent also requests to expand the potential testing orientation window another 15° degrees to the South with potential sector orientation spanning between 45° and 135°. The minor modification parameters are highlighted in red below. No other adjustments are being made to the STA request that vary from the original "Description of Proposed Experimental Operation" exhibit.

Experimental Site Parameters

Address: 6049 Howardsville Turnpike, Afton, VA (Nelson County)

Coordinates: 38° 01' 48" N 78° 51' 36" W NAD-83

Antenna Centerline: 65' AGL

Ground Elevation: 2040' ASML

Antenna Model: **RFS APXVLL13N-C**

Orientation: Between 45° and **135°**

Maximum Transmitter Power: **864** watts