

ANTENNA DESCRIPTION

Equipment Information:

Modulation schemes: MultiPoint to MultiPoint Integrated Antenna

Station modulation rates: 256 QAM, 64 QAM, 16 QAM, QPSK

Mean Peak Power: 60 dBm

There will be four antennas per location. Each site has two sectors:

	HPBW	Horizontal Orientation	Vertical Orientation
Site 1	65 deg and 120 deg	120 deg and 355 deg	0
Site 2	65 deg and 120 deg	180 deg and 240 deg	0

The antennas will be mounted on hydraulic masts attached to both a mobile trailer and a van, which will be moved to the requested test locations. In most cases, surrounding buildings and trees are taller than the masts; significant nearby natural features and man-made structures are identified in the STA Form site description. The trailer and van mast can be raised to 10.7 meters, while the CPE receiver in mobile vehicle (car) is mounted on its roof at a height of 2 meters. The masts on the trailer and van will be raised only when testing is being conducted.

There will be two locations with a mast raised at 10.7m during the testing and a car with CPE will drive between these locations for the mobility test.

