

Exhibit C: Supplemental Antenna Data

In response to a request from the Experimental Licensing Branch for additional antenna data in order for the International Bureau to perform analysis, the following table shows such antenna data for each type of antenna to be used in the MT demonstrations, except for items (e.g. beamwidth) found elsewhere in the STA request and supporting exhibits. Since some of the antennas listed below are not reflectors, further details have been provided as to antenna type and dimensions. Antenna model numbers (see Exhibit A In Response to Item 8: List of Transmitting Equipment To Be Installed) are also included for reference.

Model Number	Type	Dimensions	Polarization	Gain (dBi) @ 1.64 GHz	EIRP (dBW)
IGA-2000	phased array	0.31m wide 0.71m long	RHCP	6.0	20.0
SAT-1	helical	17 turns 5.08cm diameter 3.81cm spacing between turns 63.5cm length 18.42cm reflector dia. @ helix base	RHCP	15.0	32.8
SATURN-Bm	parabolic reflector	1m diameter	RHCP	21.0	33.0
SATURN-Bt2	phased array	0.6 sq-m	RHCP	21.0	33.0
WorldPhone Marine w/TPU	patch	0.275m diameter	RHCP	9.0	14.0