

With this application, Maritime Telecommunications Network, Inc. (“MTN”) requests special temporary authority for 30 days to operate one temporary fixed Ku-band 1.0 meter earth station. The authority requested herein will permit communications in areas affected by Hurricane Katrina.

The technical and operational specifications for the earth station requested herein follows:

Area of Operation:	Areas Affected by Hurricane Katrina
Compliance with two-degree spacing policy:	Antenna is compliant with the requirements of §25.209 starting at 1.5° from boresight (See attached spreadsheet). In order to operate at maximum power allowed under §25.212 (c), antenna will maintain 0.3° or better pointing accuracy towards the specific points of communication named in this application.
FAA Notification:	Not required
Points of Communication:	IA-7 (Op.: Intelsat; Orb. Loc.: 129° W) Satmex 5 (Op.: Satélites Mexicanos; Orb. Loc.: 116.8° W)
Antenna Manufacturer:	AvL Technologies
Antenna Model:	1000 iSNG
Antenna Size:	1.0 meter
Diameter (Minor/Major):	1.0/1.0 meters (circular reflector)
Height Above Ground:	4.15 meters (truck roof mount)
Height Above Sea Level:	4.15 meters (depends on truck parking position)
Building Height Above Ground Level:	N/A
Total Input Power at Antenna Flange:	3.43 Watts

Maximum Antenna Height Above Rooftop	N/A
Total EIRP for all Carriers:	46.95 dBW
Antenna Gain Transmit:	41.60 dBi at 14.125 GHz
Antenna Gain Receive:	39.7 dBi at 11.850 GHz
Transmit Frequency Bands:	14000-14500 MHz
Receive Frequency Bands:	11700-12200 MHz
Antenna Polarization:	H/V
Emission Designator:	350KG7W
Max. EIRP per Carrier:	46.95 dBW
Max. EIRP Density per Carrier:	27.59 dBW/4KHz
Modulation and Services:	QPSK TDMA IBS