

STA File Number: 0695-EX-ST-2006

AN/TSQ-226(V)1 Directional Antenna Characteristics

Ku band

Power in Watts - 65 watts maximum and useable 32.5 Watts

Effective Radiated Power (EIRP) in dBW - Saturated 66.5 dBW and useable 63.5 dBW (note this is dB watts not watts)

Is Power measured mean or peak – TROJAN specifies saturated power (peak) as it is easier to measure and in this case it is backed of 3 dB for what TROJAN calls useable power.

Frequency tolerance – 0.2 parts per million or 0.00002 percent

Beamwidth at half power – 0.60 degrees at 14.25 GHz.

C band

Power in Watts - 65 watts maximum and useable 32.5 Watts

Effective Radiated Power (EIRP) in dBW - Saturated 59 dBW and useable 56 dBW (note this is dB watts not watts)

Is Power measured mean or peak – TROJAN specifies saturated power (peak) as it is easier to measure and in this case it is backed of 3 dB for what TROJAN calls useable power.

Frequency tolerance – 0.2 parts per million or 0.00002 percent

Beamwidth at half power – 1.30 degrees at 6.135 GHz.

Orientation dependent upon satellite assignment/availability.

<u>Satellite</u>	<u>HORZ Orientation</u>	<u>Vertical Orientation</u>
AMC 4	Azimuth 225 degrees,	Elevation 39 degrees.
AMC 9	Azimuth 203 degrees	Elevation 44 degrees