



Statement regarding size and performance of ProSat Solutions Diamond SNG Antenna systems

ProSat Antennas

The ProSat DSNG Diamond shaped line of antennas exist in 2 different versions.

1.2m Diamond shaped with 44.5dB Tx gain, where the reflector is Type approved since the mid 90's by several satellite operators including Eutelsat.

1.5m Diamond shaped with 46dB Tx gain, where the reflector is Type approved since the mid 90's by several Satellite operators including Eutelsat.

The Diamond shaped reflectors are only a component in a system and the same reflectors are also used by other manufacturers.

The manufacturer of the reflectors are Cobham technical services in the UK (formerly ERA technologies).

The ProSat model names states 1.2 and 1.5 meter sizes, while other manufacturers of SNG, antenna systems refer to the exact same reflectors as 1.5 and 1.9 meter antennas, this is misleading and a source of confusion.

Since the diamond antennas are not circular, the size can be measured across as well as diagonally with completely different results.

Other SNG manufacturers measures the diagonal of the diamond shape and claims that the reflectors are 1.5 and 1.9 meters respectively and have chosen to name the reflectors accordingly.

ProSat Solutions have chosen to name the antennas according to the measurement of the sides of the diamond shape which is also equal to the equivalent circular aperture. This is the correct method of measuring and naming the reflectors and is supported by the manufacturer of the reflectors as well as by Eutelsat.

The conclusion is as follows, other manufacturers are misleading customers by using the larger measurements since those measurements have nothing to do with the actual performance of the reflectors.