

## **JASSM KU Band**

### **Directional Antenna Information**

**Is a directional antenna (other than radar) used?** Yes, Transmit and Receive antenna is the same unit aligned at a passive radar cross section target mounted on a 7.92-m pylon located 914.4-m away at a vector heading of 146-deg 56-min south-east of north.

**Exhibit submitted:** Yes/No

**(a) Width of beam in degrees at the half-power point:**

|                 | HORIZONTAL     | VERTICAL       |
|-----------------|----------------|----------------|
| Frequency (MHz) | HPBW (degrees) | HPBW (degrees) |
| 12000.0000      | 1.4324         | 0.7162         |
| 18000.0000      | 0.9550         | 0.4775         |

**(b) Orientation in horizontal plane:** 146-deg 56-min southeast of north (See attached document: horizontal\_drawing\_20110719.jpg)

**(c) Orientation in vertical plane:** 0.0-deg elevation (parallel to ground-reflection plane) at height of 0.621-m (See attached document: vertical\_drawing\_Ku\_20110718.jpg)