

## Service Description-SES-14 Performance Testing

### Site Details

**Contact Information:**

Mark Rathert  
410-970-7501

**Address:**

2323 Grimville Rd.  
Mt. Airy, MD 21771

**Geographic Coordinates:**

Latitude: 39° 22' 36.52"N

Longitude: 77° 4' 49.40"W

**Site Elevation:**

190 meters

### Antenna Details

Antenna ID: WBN-K13  
Manufacture/Model: General Dynamics/9.0m Cassegrain  
Antenna Size: 9.0 meters  
Antenna Gain Transmit: 60.1 dBi at 14.125 GHz  
Antenna Gain Receive: 58.5 dBi at 11.725 GHz  
Height Above Ground Level: [9.7 ] meters  
Height Above Sea Level: [ 199.7 ] meters  
Total Input Power at the Flange: [ 750 ] watts  
Total EIRP for the test Carriers: [ 88.85 ] dBW

### Operational Details

Frequency (GHz)	Transmit/Receive	Polarization	Emissions Designator	Max EIRP per Carrier (dBW)	Max EIRP Density per Carrier (dBw/4kHz)
13780-14000	T	H,V	72M0G7W	85.00	42.4
13780-14000	T	H,V	50M2G7W	85.0	44.00
13770-13780	T	H,V	10M0G7W	73.20	39.20
13770-13780	T	H,V	6M00G7W	71.00	39.2
13750-14000	T	H,V	152MG7W	85.00	39.2
13750-14000	T	H,V	225MG7W	85.00	37.5
13750-14000	T	H,V	648KG7W	68.00	45.90
13750-13770	T	H,V	20M0G7W	82.90	45.90