



# DUAL BAND DISMOUNTED MANPACK JAMMING ANTENNA 125 – 6000 MHz

## SAS-1256 and SAS-1256-A

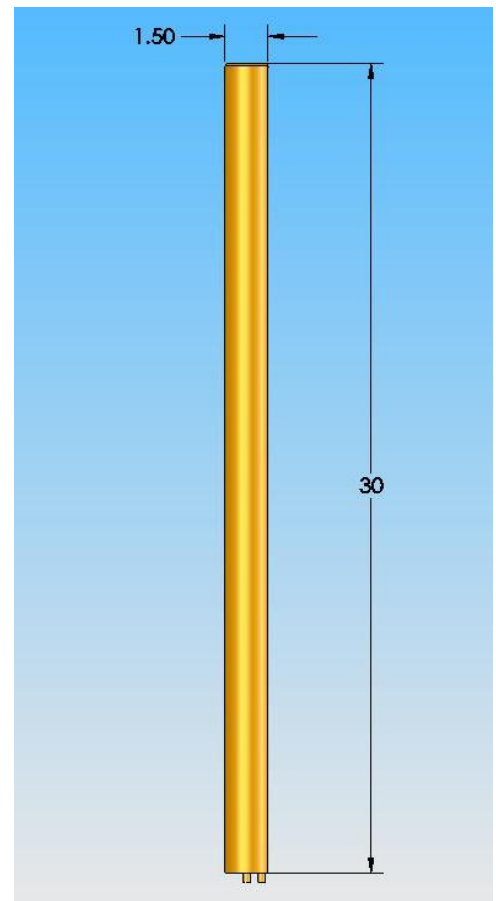
The **SAS-1256 Series** are multi-band omnidirectional dismounted jamming antennas intended to operate from 125 MHz to 6 GHz. The antennas are designed to have exceptional gain and pattern performance from -20° below the horizon to +20° above the horizon. Each band can be operated independently and simultaneously. These antennas offer low VSWR throughout the bands. Each antenna is sealed in a water-resistant dielectric radome to provide isolation from the environment. The antenna mounts onto a 1" x 14 threaded stud. The SAS-1256 is designed to operate with a metallic stud, and the SAS-1256-A is designed for a non-metallic stud. The SAS-1256 Series antennas come with a 12" coax cable for each band.

### High Band Specifications

Frequency (MHz): ..... 800 - 6000  
 VSWR:..... < 2.0:1 typical  
 Gain:  
     SAS-1256 .....-7 to +1 dBi  
     SAS-1256A.....-0.5 to +1.8 dBi  
 Power: ..... 50+ Watts  
 Input Impedance: ..... 50 Ω  
 Port:..... J1  
 Connector:..... Per Customer Requirement

### Mid Band Specifications

Frequency (MHz): ..... 125 - 800  
 VSWR:..... 3.5:1 Max, < 2.5:1 over 90% of band  
 Gain:  
     SAS-1256 .....-6 to +2.2  
     SAS-1256A.....-4 to +2  
 Power: ..... 50+ Watts  
 Input Impedance: ..... 50 Ω  
 Port:..... J2  
 Connector:..... Per Customer Requirement



SAS-1256A

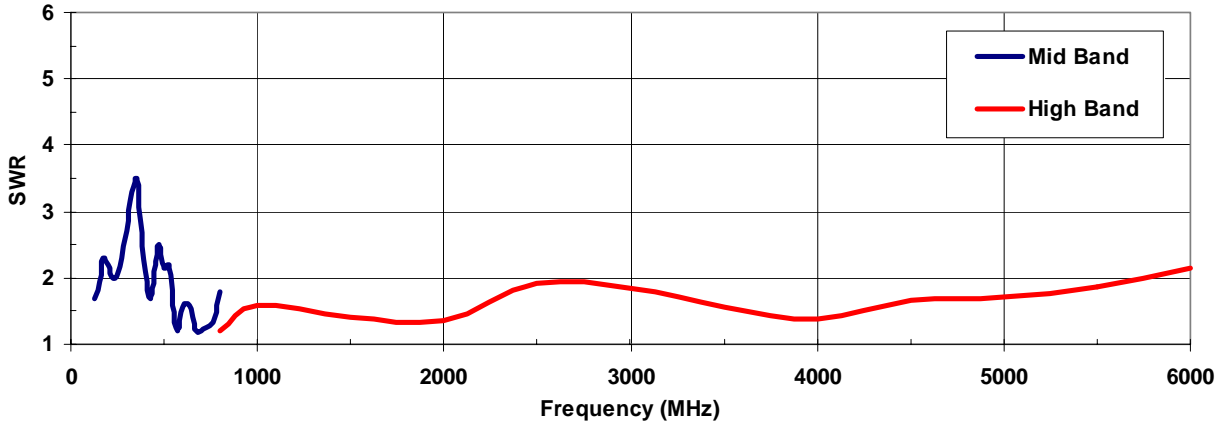
MODEL	FREQUENCY (MHz)	INPUTS	MOUNT	LENGTH (IN)	DIAMETER (RADOME)	WEIGHT (LBS / KG)
SAS-1256	125 – 6000	2	Metallic	30	2.5"	1.8 / 0.82
SAS-1256A	125 – 6000	2	Non-Metallic	30	1.5"	1.5 / 0.68

Port-to-Port Isolation: ..... 15 dB Typical

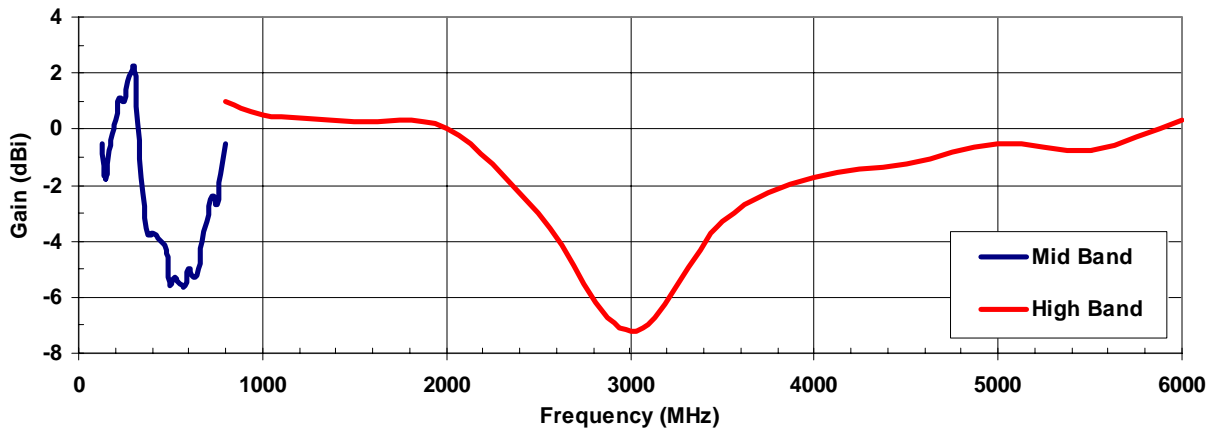
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## SAS-1256

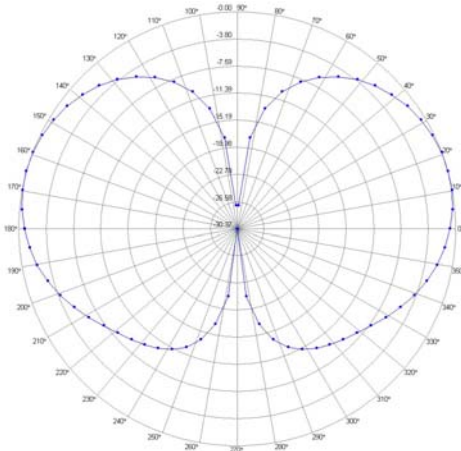
### VSWR



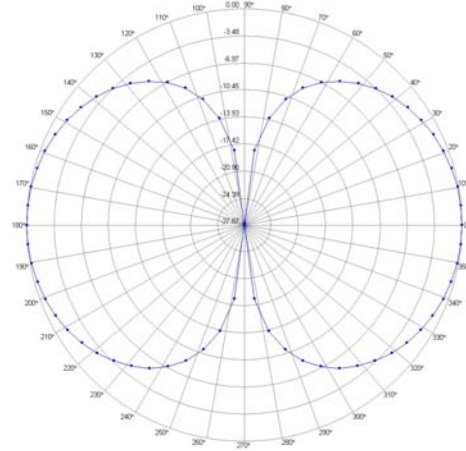
### GAIN



### Elevation Patterns



Frequency: 1850 MHz (Port 2)



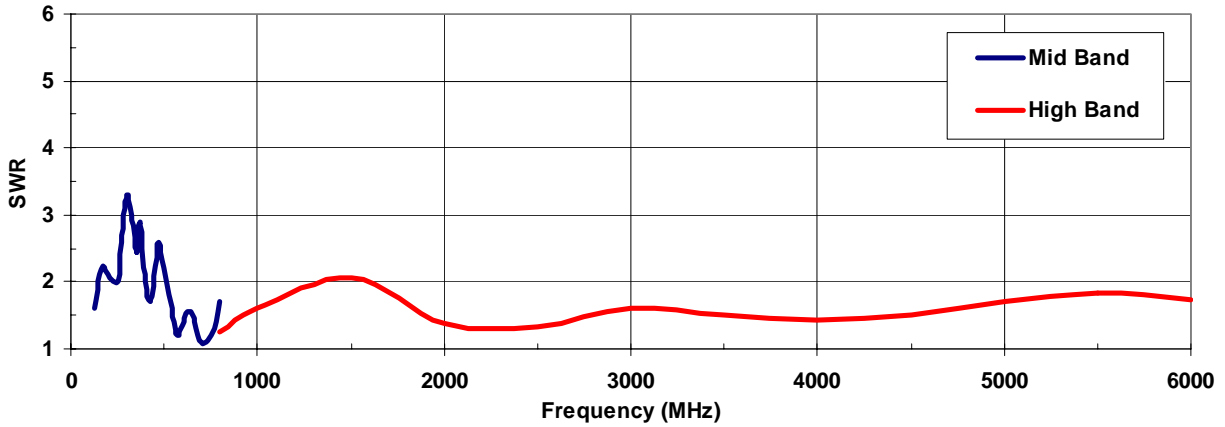
Frequency: 800 MHz (Port 2)



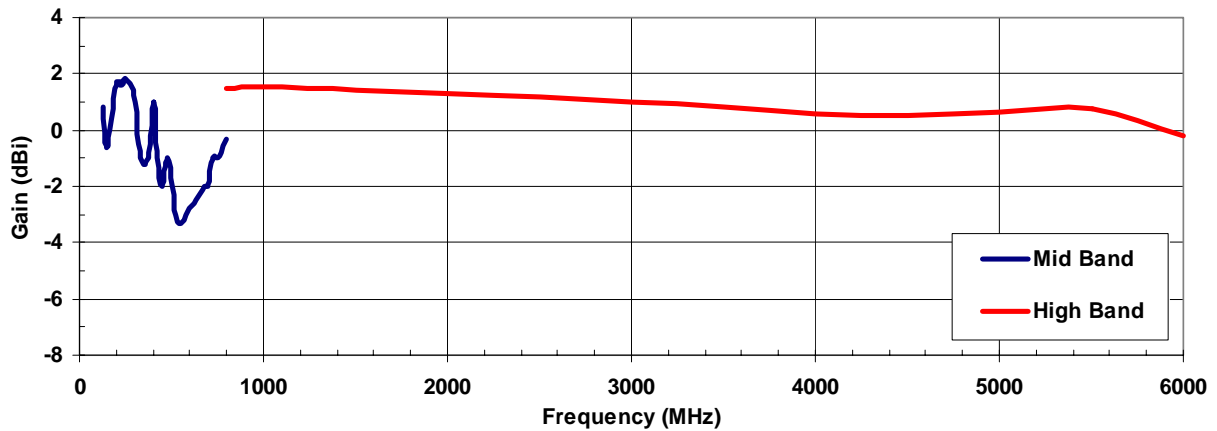
**SAS-1256-A**

# DUAL BAND DISMOUNTED MANPACK JAMMING ANTENNA 125 – 6000 MHz

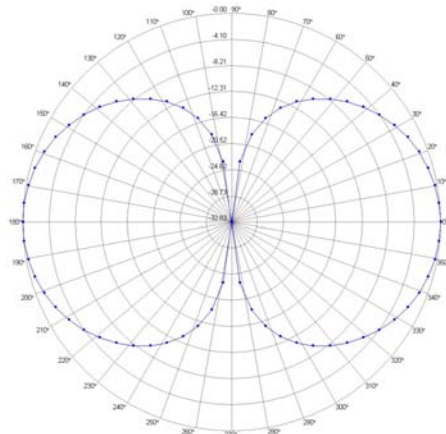
## VSWR



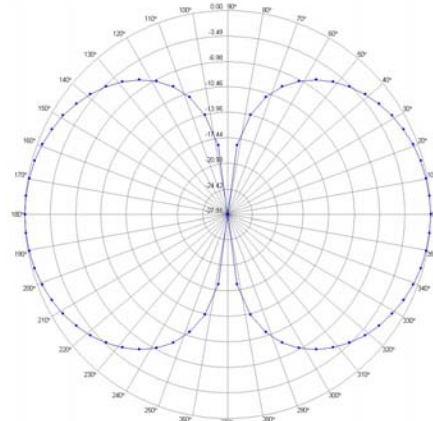
## GAIN



## Elevation Patterns



Frequency: 1850 MHz (Port 2)



Frequency: 800 MHz (Port 2)



# DUAL BAND DISMOUNTED MANPACK JAMMING ANTENNA 125 – 6000 MHz

## Out of Band Data Specifications (SAS 1256 & 1256 A)

### 80 – 125 MHz

VSWR: ..... 3.0:1 to 8.0:1  
Gain:..... 0 to -4 dBi

### 20 – 80 MHz

VSWR: ..... >8.0:1  
Gain:..... -4 to -25 dBi