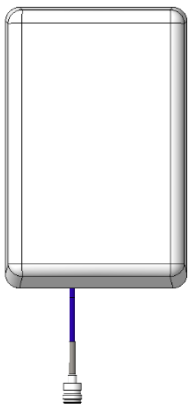
chanhvinh.com

Directional DAS Series
SISO 4G/5G+UHF Antenna

Part number: PD380-4000S143



Features & Applications:

- *Includes public safety, PMR, TETRA band 380-520MHz*
- *4G / 5G-FR1 698-4000MHz*
- *In-building wall mount*
- *Directional radiation pattern*
- *Low PIM and SAR compliant*
- *Connector 4.3-10-Female as standard*
- *For N-Female connector use P/N: PD380-4000S1NF*

ELECTRICAL SPECIFICATIONS

PD380-4000S143

Frequency range		MHz	380-520	698-960	1710-2700	3400-4000
Gain		dBi	4.0±1	5.0±1	7.0±1	7.5±1
Polarization			Vertical			
Beam width	Horizontal	deg	150	90	75	55
	Vertical		50	65	65	30
VSWR			≤2.5	≤2.0	≤2.0	≤2.0
Front-to-back ratio		dB	>2	>4	>8	>10
PIM,3rd order,2x20W		dBc	-	≤-140		
Max. input power		W	50			
Impedance		Ohm	50			
SAR compliance			Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)			

MECHANICAL SPECIFICATIONS

PD380-4000S143

Dimension (W x L x H)	Housing Material	Color	Weight	Mounting Kit	
308 x 190 x 65 mm (12.13 x 7.48 x 2.56 inch)	ABS, UV Protected	White RAL9003	0.6kg (1.323lbs)	Wall mount (standard)	

Wireless Technology	No. of Port	Cable Length	Cable Type	Connector Type
4G,5G FR1, UHF	1	1.47Ft (0.45m)	Ø 0.160" low loss	4.3-10-Female

ENVIRONMENTAL SPECIFICATIONS

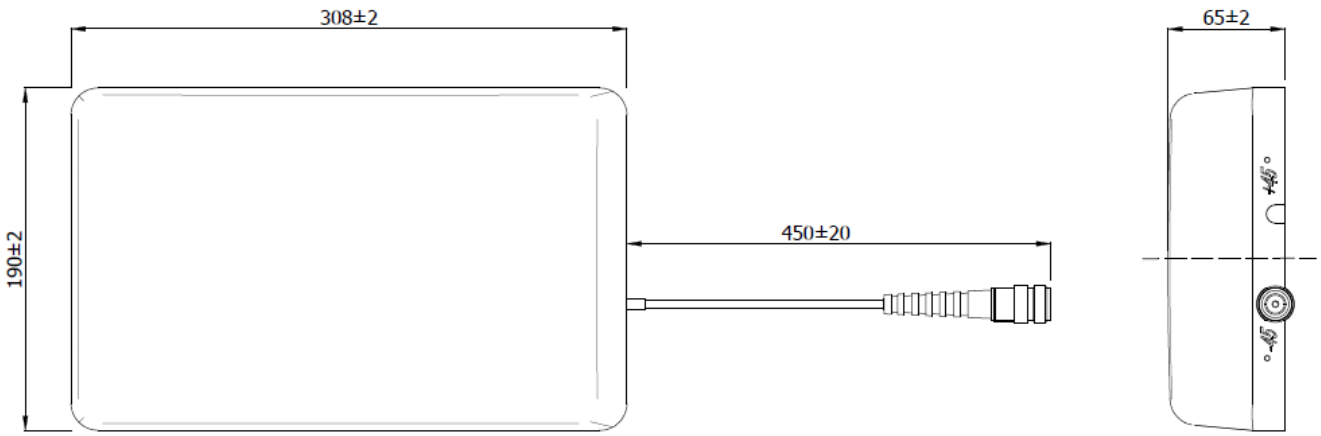
PD380-4000S143

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-55 / +60° C	-55 / +60° C	Yes	IP50	2 years

chanhvinh.com

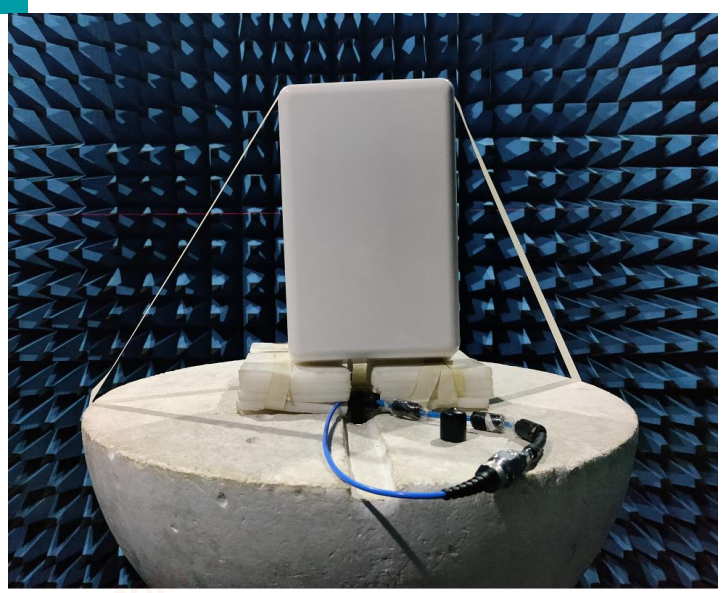
Mechanical Drawing

PD380-4000S143



Test Setup

General / Chamber Setup

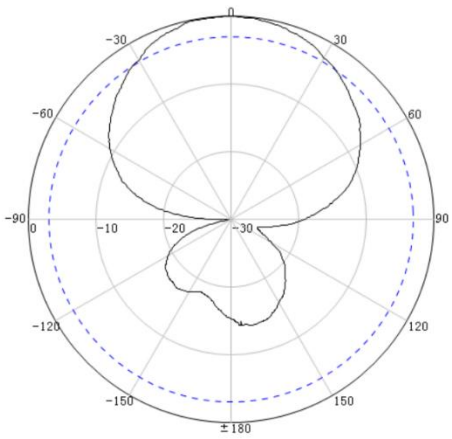


chanhvinh.com

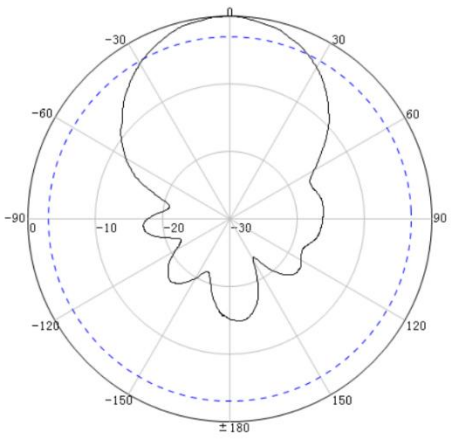
Radiation Pattern –Vertical and Horizontal Plane

PD380-4000S143

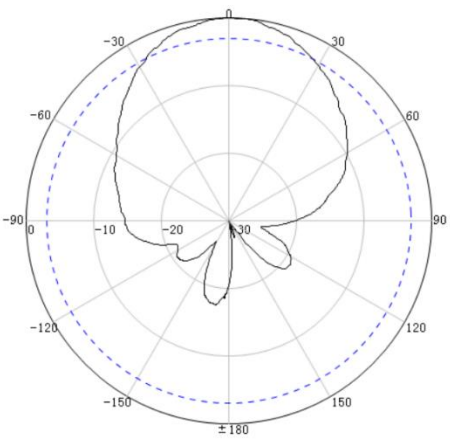
Vertical



900MHz

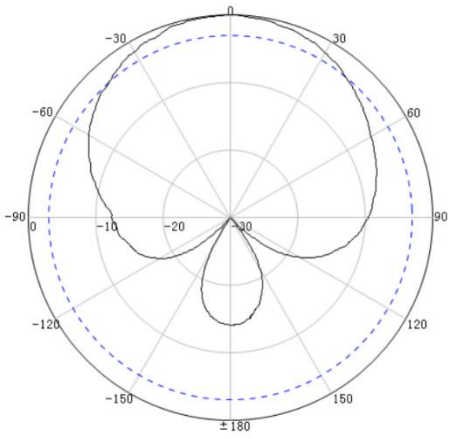


1710MHz

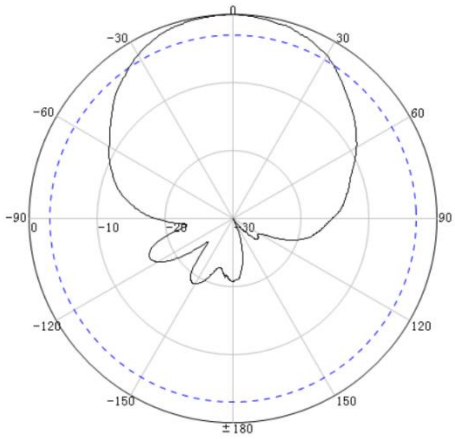


2500MHz

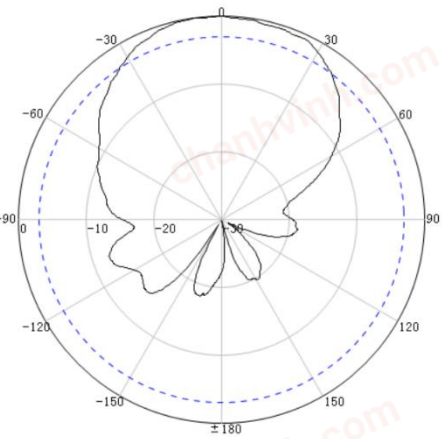
Horizontal



900MHz



1710MHz



2500MHz

chanhvinh.com

PACKAGING

PD380-4000S143

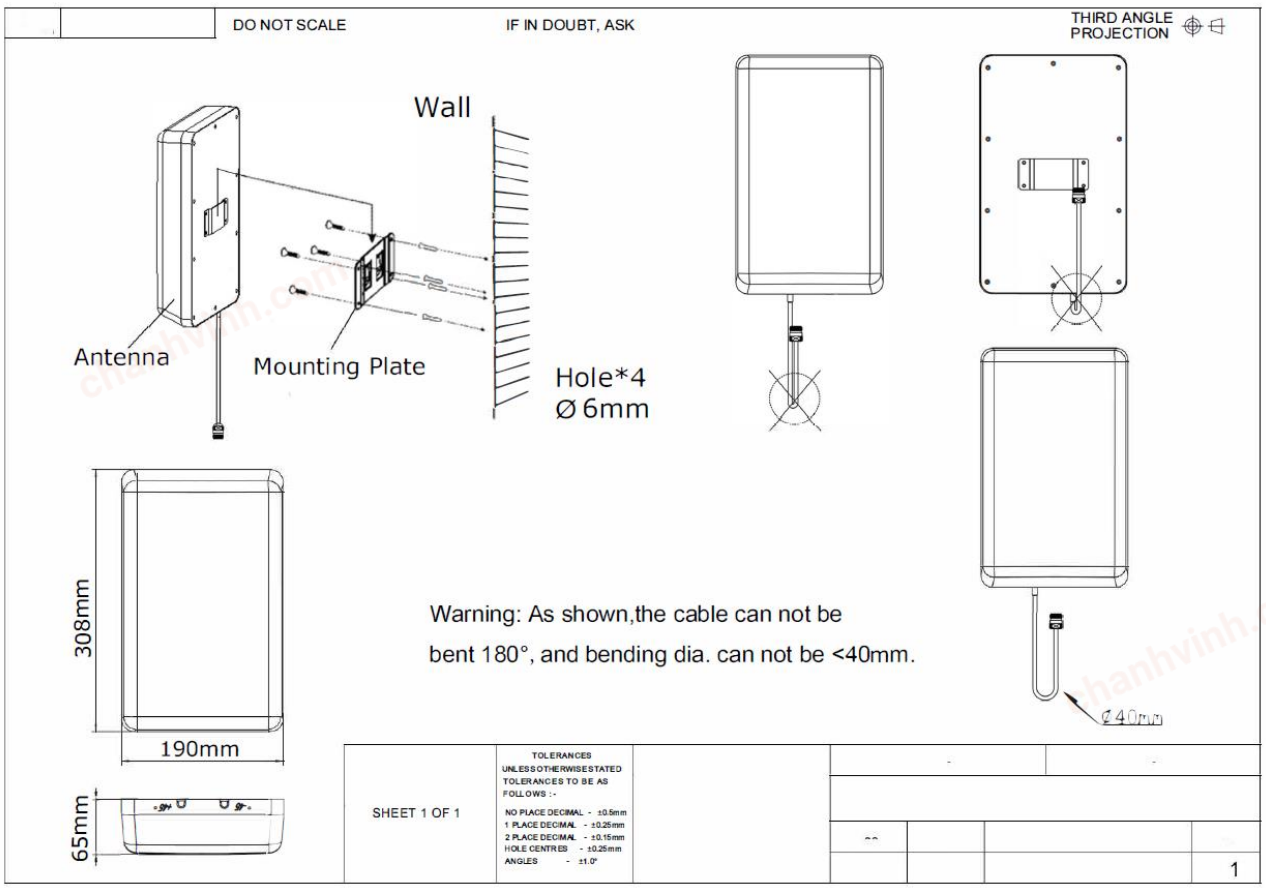
1.Inner box: 385*227*80mm;

2.Outer box size: 780*400*475mm;

3. 20Pcs/Carton;

Installation instructions

PD380-4000S143



Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:
Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.
Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128