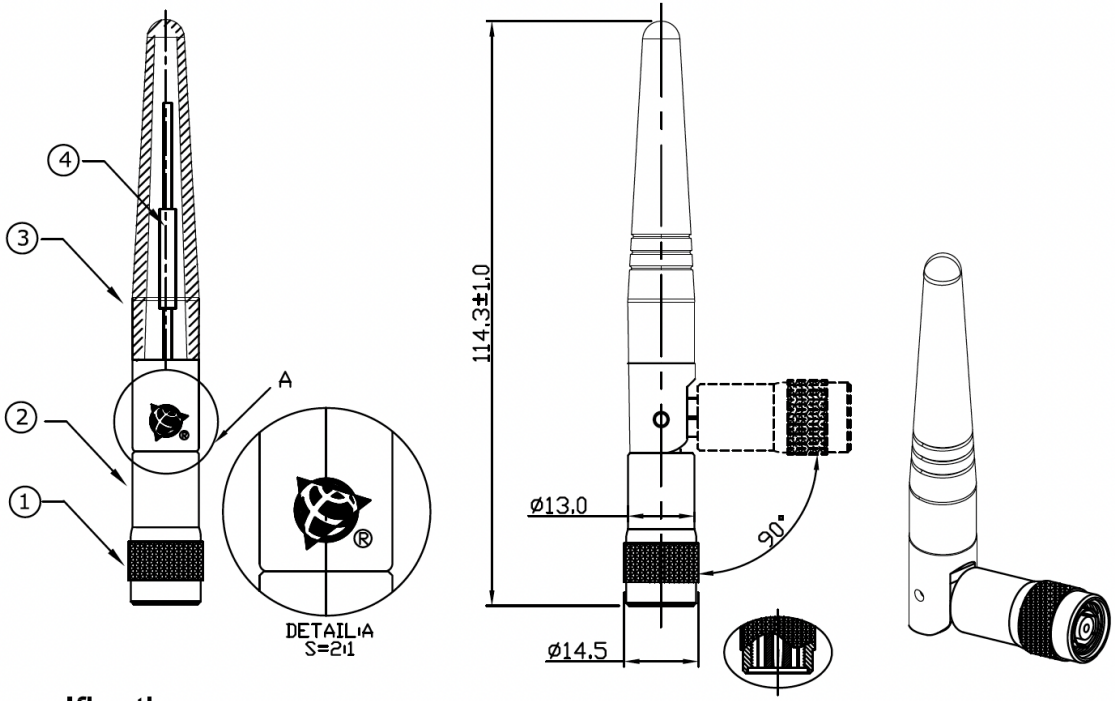
REV.	DATA	BY	DESCRIPTION
C	2015-02-16	Sky	修改NOTE規格
D	2024/07/05	shuhong	Gain



Specification:

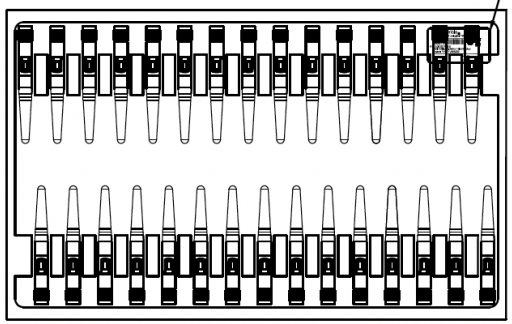
MECHANICAL

Antenna Cover : TPE.
Antenna Base : Engineering Plastics
Color : Black
Operation Temperature:-20ºC ~ +65ºC
Storage Temperature:-30ºC ~ +75ºC
Coaxial Cable :RG-178
Connector :TNC-Male-RP

ELECTRICAL

Frequency :2400~2500MHz
Impedance : 50Ω
GAIN: >= 1 dBi Minimum and <= 2dBi Maximum
V.S.W.R : ≦2.0
Radiation : Omni
Polarization : Linear

30 pcs / tray packaging



Note1 packing label

NO.	Q`ty	Unit	Description
4.	1.	PCS	Zinc nickel alloy tube
3.	1.	PCS	Antenna Cover : TPE.
2.	1.	PCS	Antenna Base : Engineering Plastics
1.	1.	PCS	Connector : TNC Male R/P

Our P/N: K146503001
Trimble P/N : 53007045
TOLERANCE: .XXX ±0.10, .XX ±0.25, .X ±0.38, X ±0.50, ANG ±3°
DAR.
CHK.
APR.

STIG Wahlstrom Elektronik AB
DESCRIPTION: ANTENNA 2.4 GHz TNC/R MALE
DWG NUMBER: 6623C09021
Revision: D
UNIT: mm
SCALE: 1.2/1
SHEET: 1 of 1

TRIMBLE

2.4GHz Sleeve Dipole Antenna

2.4GHz fixed duck-style antenna (2.4-2.483 GHz) used on Trimble's next-generation smart targets, a key part of their surveying equipment for optical robotic total stations designed to enhance accuracy and productivity in challenging conditions.

FEATURES

- Performance at 2.4 GHz to 2.483 GHz
  - VSWR: ≤ 2.0
  - Peak Gain: 2.2 dBi
  - Azimuth Gain Ripple: < 4 dB
- Compact size
  - 103.0 mm x Ø15.8 mm
- IP67 dustproof rated
- RP-SMA Male Connector

APPLICATIONS

- Smart target for robotic total station
- 2.4 GHz ISM applications
  - Bluetooth®
  - Wi-Fi (2.4GHz)

PART NUMBER

Parameter	Value
Part Number	L000625-01
Number of Ports	1
Antenna Type	Sleeve Dipole

ELECTRICAL	
Operating Frequency (MHz)	2400 - 2483
Peak Gain, max. (dBi)*	2.7
Peak Gain, ave. (dBi)*	2.2
Peak Gain in Azimuth Plane, max. (dBi)*	1.1
Peak Gain in Azimuth Plane, ave. (dBi)*	0.8
Gain Ripple in Azimuth Plane, max. (dB)*	4.0
Total Efficiency, ave.*	72%
Vertical Beamwidth*	85°
VSWR, max*	2.0:1
Max Power @ Ambient 20°C, Watts	1
Nominal Impedance (Ω)	50

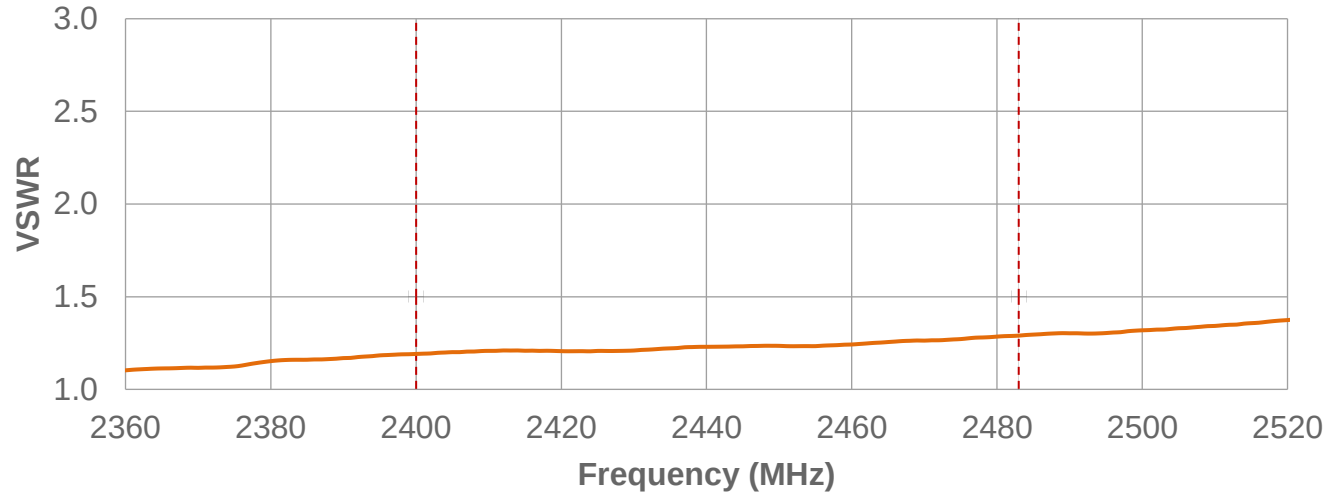
**Measured without outer carbon fiber pole.*

†Performance is device-dependent and subject to change.

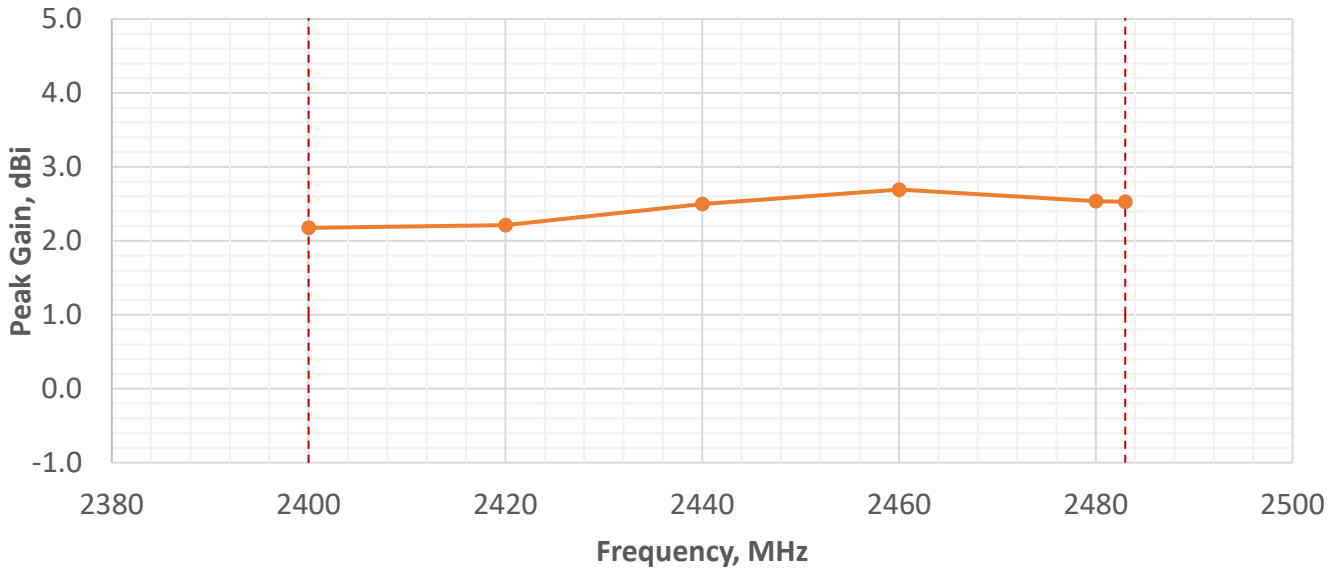
MECHANICAL	
Dimension, Ø x height (mm)	15.8 x 103
Weight (g)	20.2
Antenna Material	TPU Texin 950U
Antenna Color	Black
Connector	RP-SMA(M)

ENVIRONMENTAL	
Operating Temperature (°C) [°F]	-40 to +85 [-40 to +185]
Storage Temperature (°C) [°F]	-40 to +85 [-40 to +185]
IP Rating	IP67
Material Substance Compliance	RoHS

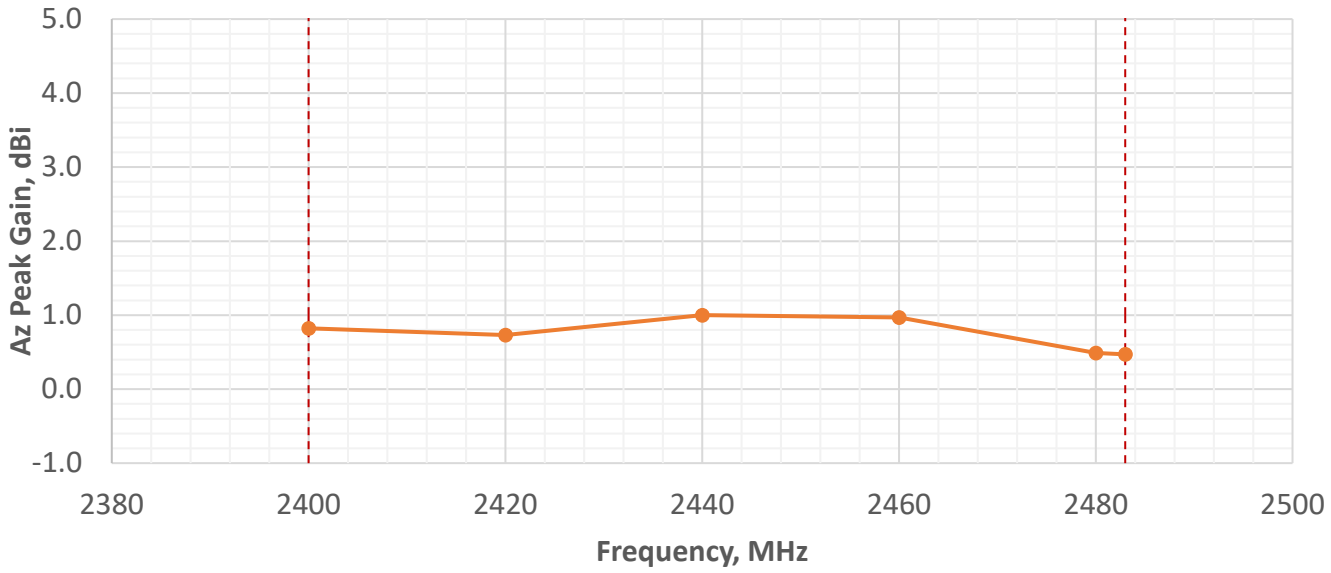
VSWR



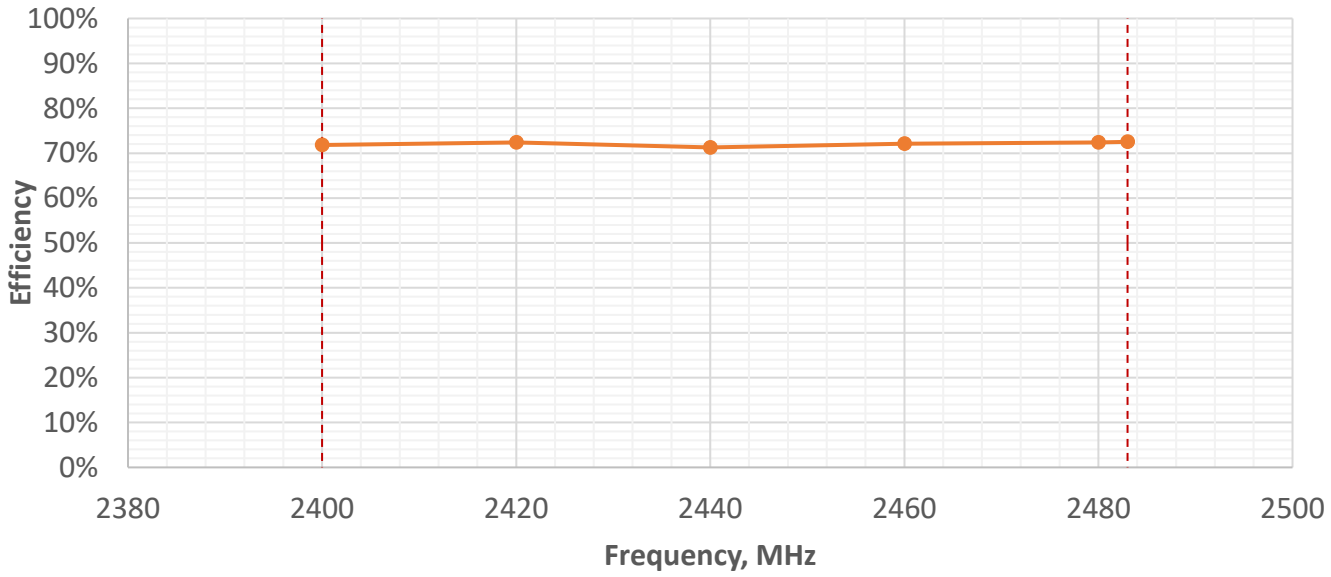
3D PEAK GAIN



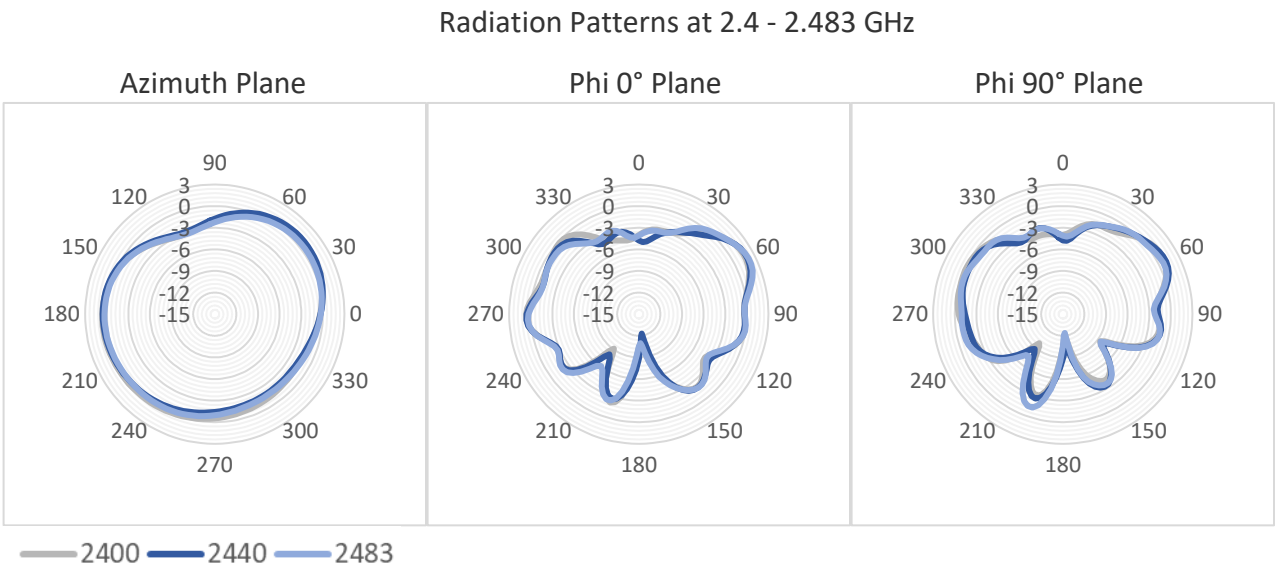
AZIMUTH PEAK GAIN



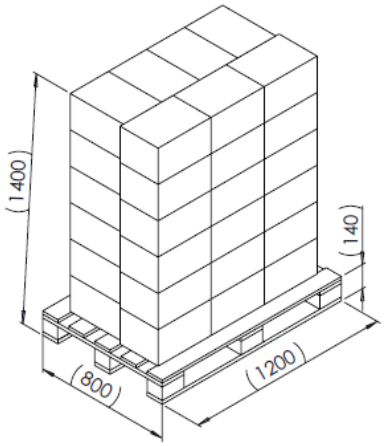
TOTAL EFFICIENCY

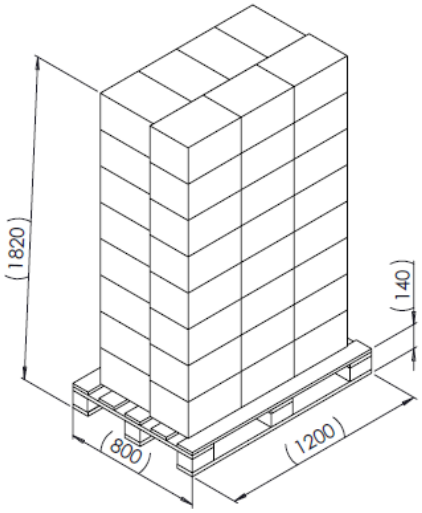


Radiation Patterns



PACKING INFORMATION





PACKAGED DIMENSIONS	MASTER CARTON	AIR PALLET	OCEAN PALLET
Number of Antennas	**250**	**10500**	**14000**
Height, mm (in)	**210 (8.27)**	**1400 (55.12)**	**1820 (71.65)**
Length, mm (in)	**355 (13.98)**	**1200 (47.24)**	**1200 (47.24)**
Width, mm (in)	**255 (10.04)**	**800 (31.50)**	**800 (31.50)**
Est Shipping Weight Pallet, Kg (lbs.)	**5.15 (11.35)**	**228.3 (503.35)**	**300.4 (662.27)**

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

04/25 Original