



2.4GHz - 2.5 GHz 120 Deg 18dBi Sector Directional Antenna

SE-242518-120

APPLICATIONS AND FEATURES

Applications:

- 2.4-2.5 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11n Wireless LAN
- Directional and multipoint applications
- Bluetooth
- Public Wireless Hotspot
- WiFi, RFID
- Wireless Video Systems

Features:

- Superior performance
- Light weight
- All weather operation
- DC Short lightning protection
- Installed for vertical
- Includes tilt and swivel mast mount
- Frequency Ultra-wide

SPECIFICATIONS:

Electrical Specifications

Mechanical Specifications

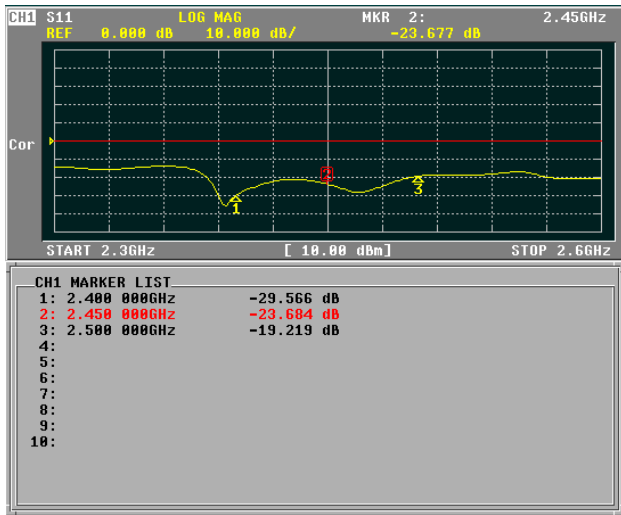
Frequency Range	2400 – 2500 MHz	Length	1520mm
V.S.W.R	≤ 1.5	Diameter	20mm
Return Loss	$\geq -15\text{db}$	Weight	6000g
Gain	18dBi	Wind Survival	> 150 MPH
Polarization	Vertical	Radome Material	Polymer & Metal
Maximum Power	50W	Operating Temperature	-40°C to +80°C
Vertical Beam-with	8°	Clamps / Mounting	U-bolt / 32 – 45mm
Horizontal Beam-with	120°	Down-tilt	0-20 degrees
Impedance	50Ω	RoHS Compliant	Yes
Connector	N-Female	Length	1520mm
Frequency Range	2400 – 2500 MHz		



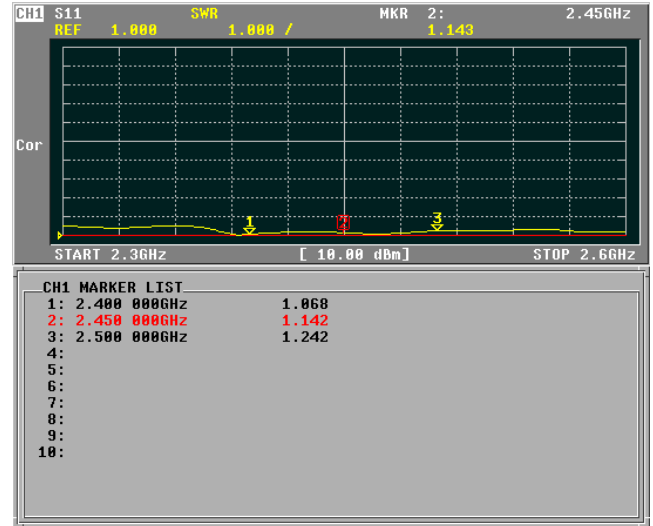
SE-242518-120 Test Report

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Return loss & V.S.W.R



Return loss



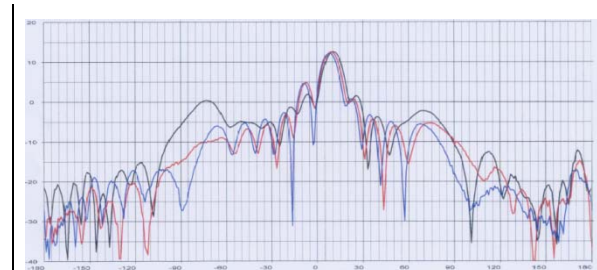
V.S.W.R

Antenna Vertical & Horizontal Pattern



Horizontal

H-plane co-pol ----- 3-dB beam-with=120°



Vertical

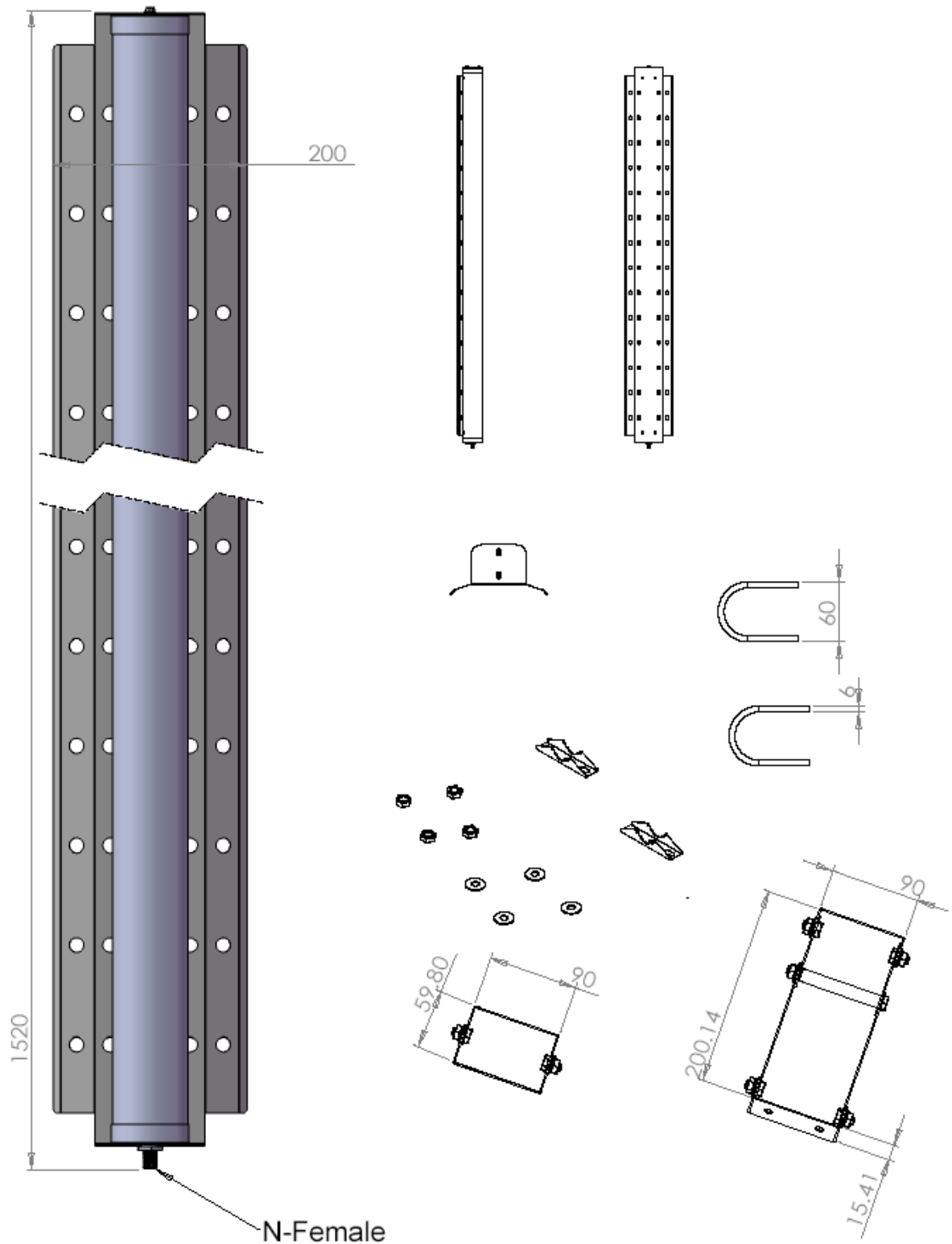
E-plane co-pol ----- 3-dB beam-with=8°



Spare Parts

Item	Product name	Amount
1	Antenna	1
2	Clip a slice fixedly	2
3	M6 U type screw	2
4	M6 screw	4
5	M6 Nut	8
6	M6 Slippery mat slice	8
7	“L” Aluminum Type support	1
8	Stainless steel the whole large and adjustable support –UP	1
9	Stainless steel the whole large and adjustable support –Down	1









Also We have as following specification of Sector directional Antenna

PN	Description	Gains	L(mm),Dia(mm),W(g)	Ver.	Hor.	Type
SE-242512-120	2.4G-2.5G (120°)	12dBi	620mm,20mm,1500g	20°	120°	Collinear
SE-242513-90	2.4G-2.5G (90°)	13dBi	620mm,18mm,1500g	18°	90°	Collinear
SE-242514-60	2.4G-2.5G (60°)	14dBi	620mm,20mm,1500g	15°	60°	Collinear
SE-242515-45	2.4G-2.5G (45°)	15dBi	620mm,20mm,1500g	12°	45°	Collinear
SE-242515-120	2.4G-2.5G (120°)	15dBi	900mm,25mm,2500g	15°	120°	Collinear
SE-242516-90	2.4G-2.5G (90°)	16dBi	900mm,18mm,2500g	13°	90°	Collinear
SE-242517-60	2.4G-2.5G (60°)	17dBi	900mm,25mm,2500g	12°	60°	Collinear
SE-242518-45	2.4G-2.5G (45°)	18dBi	900mm,25mm,2500g	11°	45°	Collinear
SE-242517-120	2.4G-2.5G (120°)	17dBi	1280mm,25mm,4500g	12°	120°	Collinear
SE-242518-90	2.4G-2.5G (90°)	18dBi	1280mm,18mm,4500g	10°	90°	Collinear
SE-242519-60	2.4G-2.5G (60°)	19dBi	1280mm,20mm,4500g	9°	60°	Collinear
SE-242520-45	2.4G-2.5G (45°)	20dBi	1280mm,20mm,4500g	8°	45°	Collinear
SE-242518-120	2.4G-2.5G (120°)	18dBi	1520mm,20mm,6000g	8°	120°	Collinear
SE-242519-90	2.4G-2.5G (90°)	19dBi	1520mm,18mm,5500g	7°	90°	Collinear
SE-242522-60	2.4G-2.5G (60°)	22dBi	1520mm,25mm,3500g	6°	60°	Collinear
SE-242522-45	2.4G-2.5G (45°)	22dBi	1520mm,25mm,5000g	5°	45°	Collinear
SE-242516C	2.4-2.5G(45-120)	13-16	500mm,25mm,3000g	7-12	45-120	Adjustor
SE-242518C	2.4-2.5G(45-120)	14-18	760mm,25mm,3500g	8-12	45-120	Adjustor
SE-242519C	2.4-2.5G(45-120)	15-19	760mm,27mm,3800g	8-12	45-120	Adjustor
SE-333819-120	3.3G-3.8G (120°)	19dBi	1280mm,25mm,4500g	8°	120°	Collinear
SE-333820-90	3.3G-3.8G (90°)	20dBi	1280mm,20mm,4500g	7°	90°	Collinear
SE-333821-60	3.3G-3.8G (60°)	21dBi	1280mm,20mm,4500g	6°	60°	Collinear
SE-515918-120	5.1G-5.9G (120°)	18dBi	900mm,20mm,2500g	12°	120°	Collinear
SE-515919-90	5.1G-5.9G (90°)	19dBi	900mm,18mm,2500g	10°	90°	Collinear
SE-515920-60	5.1G-5.9G (60°)	20dBi	900mm,20mm,2500g	8°	60°	Collinear
SE-515918C	5.1-5.9(45-120)	14-18	500mm,25mm,3000g	11-15	45-120	Adjustor
SE-515921C	2.4-2.5G(45-120)	17-21	760mm,27mm,3800g	7-12	45-120	Adjustor

