

Antenna Upgrade PRO Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector

The FMANKIT1015 Helium Hotspot PRO Antenna Upgrade Kit from Fairview Microwave was designed with the serious Helium HNT Miner in mind. FMANKIT1015 provides your LongFi radio with the proper components to get the most out of your hotspot with optimized range and increased Proof-of-Coverage over OEM components. The FMANKIT1015 achieves enhanced performance by utilizing Fairview Microwave's 900 MHz PRO-Series high-performance Omni-directional antennas designed for the 900 MHz ISM band. These LoRa, LoRaWAN antennas feature a rugged 1.58" diameter UV-stable fiberglass radome for durability, aesthetics and long service life. The FMANKIT1015 comes with a 6 dBi Omni Antenna that operates from 900 MHz to 928 MHz frequency range. Combined with our Low Loss 400 series cable with integrated Lightning Protector, the 400 cable features equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems®, Belden® and Andrew®. This 20 ft Low Loss cable comes terminated with an N Male in-line gas discharge tube suppressor, to the antenna, and an RP-SMA Male connector compatible with the leading Hotspot miners on the market. The FMANKIT1015 from Fairview Microwave brings industry proven components direct to the Helium enthusiast, ship worldwide the same day as with our other available RF parts.

Configuration

Design	Omni
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Cable Type	400 Series
Cable Length	240 in [609.6 cm]
Connector Type	N Female
Lightning Protection	Lightning Protector

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	900		928	MHz
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Horizontal Beam Width		360		Degrees
Vertical Beam Width		19		Degrees
Input Power			50	Watts

Cable Assembly

Cable Type	400 Series
Impedance	50 Ohms
Connector 1	N Male
Connector 2	SMA Plug Reverse Polarity

Mechanical Specifications

Radome Material	Fiberglass
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Size

Overall Length	48 in [121.92 cm]
Width	10 in [254 mm]
Height	4 in [101.6 mm]
Weight	12 lbs [5.44 kg]



Features:

- 900 MHz to 928 MHz
- Increased Proof-of-Coverage
- N-Male to RP-SMA Male Low loss CA-400 series coax cable (LMR-400 equivalent)
- Lightweight fiberglass radome
- Integral lightning surge protector with multi-strike capability and replaceable gas tube
- Heavy-duty steel mounting bracket
- COAX-SEAL® Hand Moldable Weatherproofing Tape

Applications:

- Helium Network (HNT) Mining
- 900 MHz ISM band
- US915, AU915, AS923, KR920
- M2M, LPWAN, LoRa, LoRaWAN, IoT, LongFi
- Industrial & Environmental Monitoring
- Smart Metering Applications
- Inventory Tracking
- Non Line of Sight (NLOS)

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

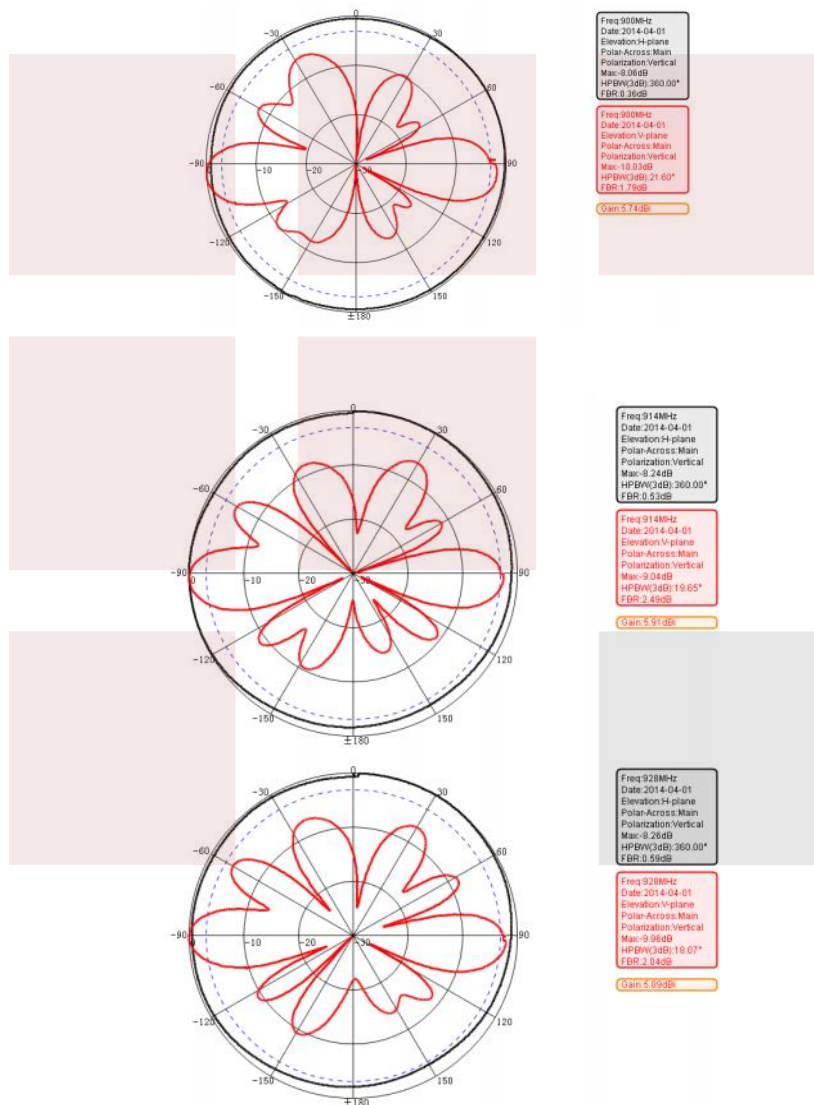
Wind Loading

130 MPH [209.21 KPH]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

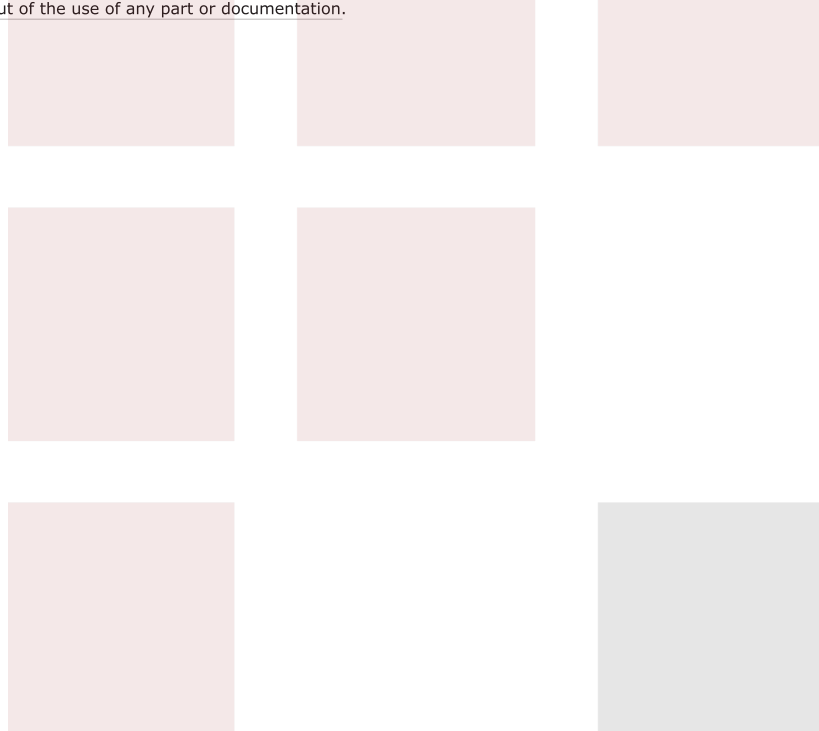


Antenna Upgrade PRO Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Antenna Upgrade PRO Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector FMANKIT1015](#)


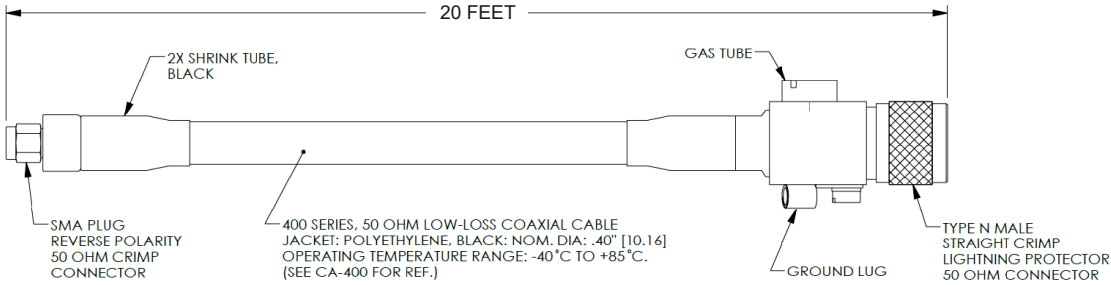
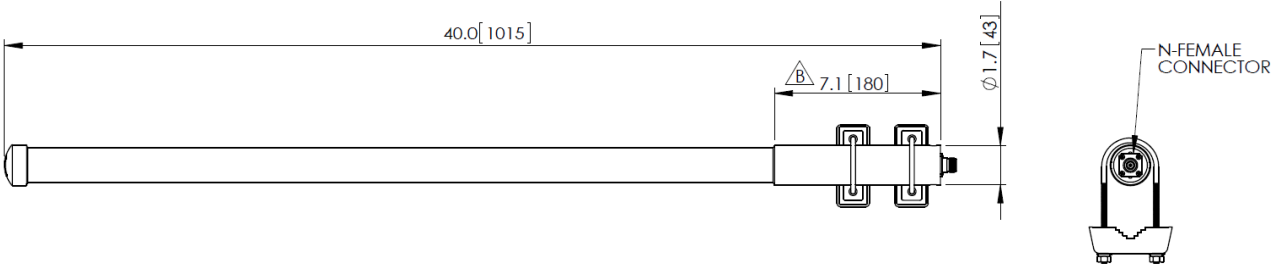
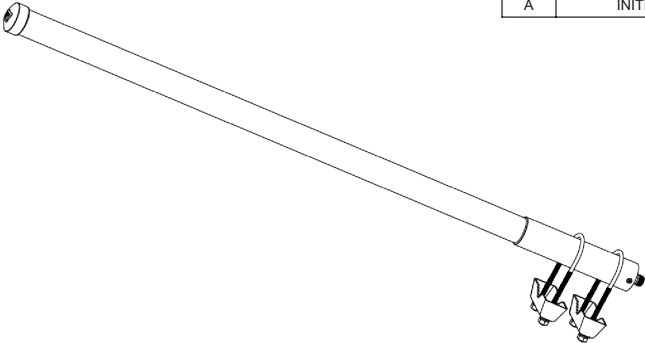
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/6/2022	K. HIETPAS



Fairview Microwave

an INFINITE brand

TITLE

Antenna Upgrade PRO Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]

FRACTIONS

.XX = ±.02 [.51]

± 1/32

.XXX = ±.005 [.13]

ANGLES ± 1°

L ≤ 12 [305] = +1 [25] / -0

12 [305] < L ≤ 60 [1524] = +2 [51] / -0

60 [1524] < L ≤ 120 [3048] = +4 [102] / -0

120 [3048] < L ≤ 300 [7620] = +6 [152] / -0

300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE

CAGE CODE

DRAWN BY

ITEM NO.

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
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THIRD-ANGLE PROJECTION



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SHEET

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OF

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SCALE

N/A

T-Rev.D

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

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