

Antenna Upgrade Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable

The FMANKIT1005 Helium Hotspot Antenna Upgrade kit from Fairview Microwave was designed with the serious Helium HNT Miner in mind. FMANKIT1005 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 FMANKIT1005 achieves enhanced performance by utilizing Fairview Microwave's 900 MHz lightweight, low-profile, high-performance Omnidirectional antennas designed for the 900 MHz ISM band. These LoRa, LoRaWAN antennas feature all-weather UV-stable fiberglass radome for durability and aesthetics. The FMANKIT1005 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, the 400 cable features equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems[®], Belden[®] and Andrew[®]. This 10 ft Low Loss cable comes terminated with an N Male connector, to the antenna, and an RP-SMA Male connector compatible with the leading Hotspot miners on the market. The FMANKIT1005 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 Band Type Radiation Pattern Polarization Cable Type Cable Length Connector Type Omni Single Omni Directional Vertical 400 Series 120 in [304.8 cm] N Female

Electrical Specifications

Description	Min	Тур	Мах	Units
Frequency Range	900		928	MHz
Input VSWR		1.6:1		
Impedance		50		Ohms
Gain		6		dBi
Horizontal Beam Width		360		Degrees
Vertical Beam Width		35		Degrees
Input Power			50	Watts

Cable Assembly

Cable Type Impedance Connector 1 Connector 2

Mechanical Specifications

Radome Material

Size

Overall Length Width Height Mounting Mast Diameter Weight 400 Series 50 Ohms N Male SMA Plug Reverse Polarity

Fiberglass

31 in [787.4 mm] 10 in [254 mm] 3 in [76.2 mm] 2 in [50.80 mm] 3.9 lbs [1.77 kg]



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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
- Extruded aluminum mounting bracket
- COAX-SEAL® Hand Moldable
 Weatherproofing Tape

Applications:

- Helium Network (HNT) Mining
- 900 MHz ISM band
- US915, AU915, AS923, KR920M2M, LPWAN, LoRA,
- LoRaWAN, IoT, LongFi
- Industrial & Environmental Monitoring
- Smart Metering Applications
- Inventory Tracking
- Non Line of Sight (NLOS)

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Environmental Specifications

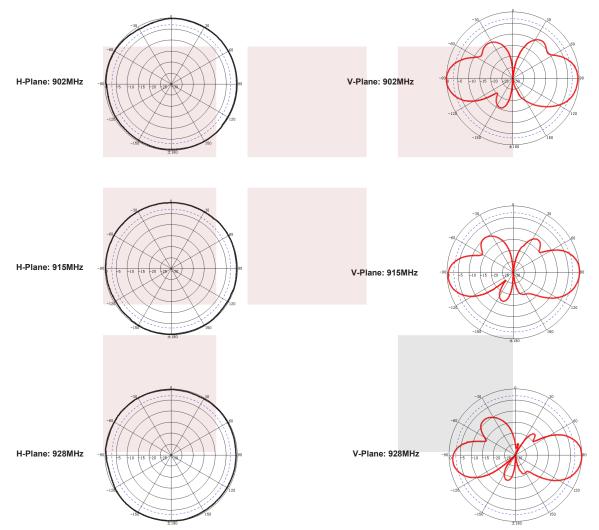
Temperature Operating Range Wind Loading

-40 to +60 deg C 130 MPH [209.21 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:





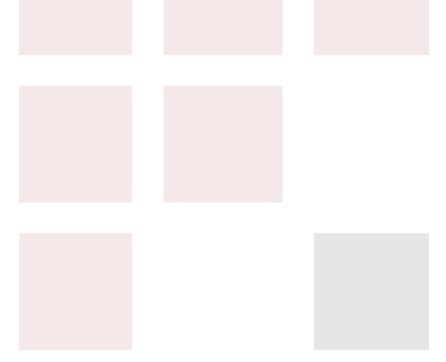


Antenna Upgrade Kit for Helium Hotspot, 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Antenna Upgrade Kit for Helium Hotspot , 6dBi 900MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable FMANKIT1005

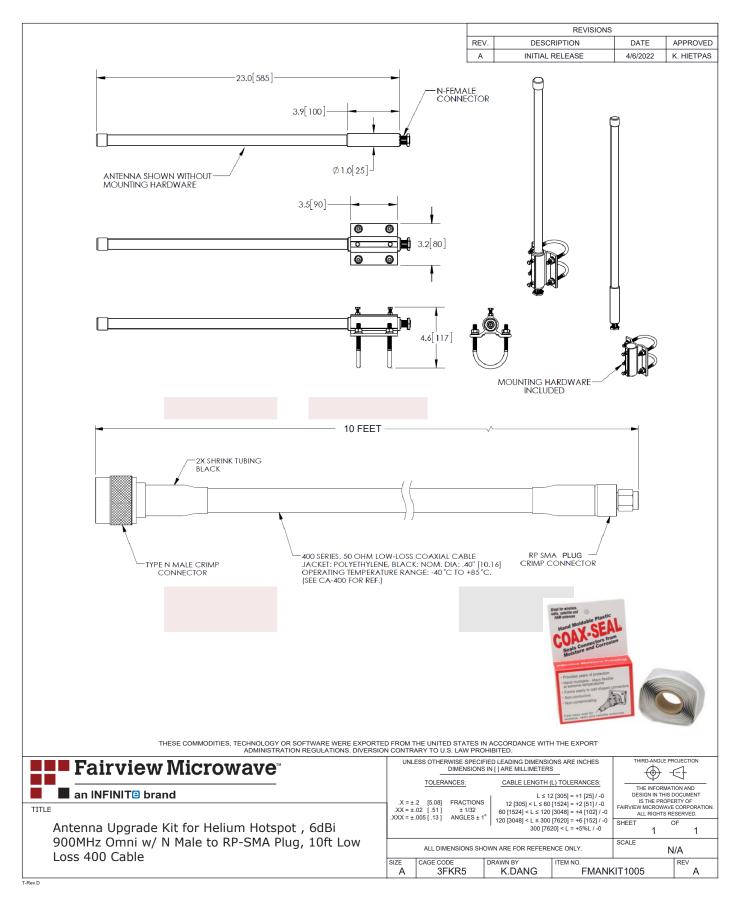
URL: https://www.fairviewmicrowave.com/antenna-it-6dbi-900mhz-omni-w-n-male-to-rp-sma-male-10ft-low-loss-400-ca-ble-FMANKIT1005-p.aspx

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.





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