

ANT-5GCombo7

GNSS + 5G MIMO + WIFI MIMO Antenna



Outstanding Features

- **COMBO 7-in-1 ANTENNA:** 4x 5G LTE MIMO, 2x Wi-Fi and 1x GNSS Antenna; Screw mount; Cable length 3 meters (10ft).
- **IP67 WATERPROOF:** Outdoor Roof Type, water and dust-resistant for ultimate outdoor reliability.
- **GLOBAL 5G LTE RANGE:** Supports 4x4 MIMO; Works in most countries in the world with frequency range: 698~960MHz/ 1710~2690MHz/ 2900~3800MHz; 4x SMA Male Connector.
- **DUAL BAND Wi-Fi:** Supports 2x2 MIMO; Frequency range: 2400~2483.5MHz/ 4900~5925MHz; 2x RP-SMA Male Connector.
- **GNSS ANTENNA:** Frequency range: 1561.098~1575.42MHz; 1x SMA Male Connector.
- **COMPATIBLE ROUTERS:** Work with most 5G LTE cellular routers in the market with 2/3/4/5/6/7 antenna interfaces, like Teltonika RUTM50, RUTC50, RUTX50, TRB500. (Equivalent to Teltonika PR1KC640).

Specification

Model	ANT-5GCombo7	
GNSS Antenna	Frequency	GPS L1/L2/L5 GLONASS G1/G2/G3 COMPASS B1/B2/B3 Galileo E1/L1/E2/E5a/E5b/E6
	Polarization	RHCP
	LNA Gain	40±2dB
	Noise Figure	≤2.0dB
	Supply Voltage	3~12V DC
	Current Consumption	≤60mA
	V.S.W.R	< 2.0
	Impedance	50Ω
5G NR Antenna MIMO*4	Frequency Range	698~960MHz/1710~2690MHz/2900~3800MHz
	V.S.W.R	< 3.0
	Polarization	Linear
	Gain	4dBi (Typ.)
	Impedance	50Ω
WIFI Antenna MIMO*2	Frequency Range	2400~2483.5MHz/4900~5925MHz
	V.S.W.R	< 2.5
	Polarization	Linear
	Gain	4dBi (Typ.)
	Impedance	50Ω
Mechanical	Cable	LMR100*7
	Connector	SMA or others
	Material	PC/ABS
	Mounting Method	Screw

**Disclaimer: Technical specifications may subject to change without prior notice*

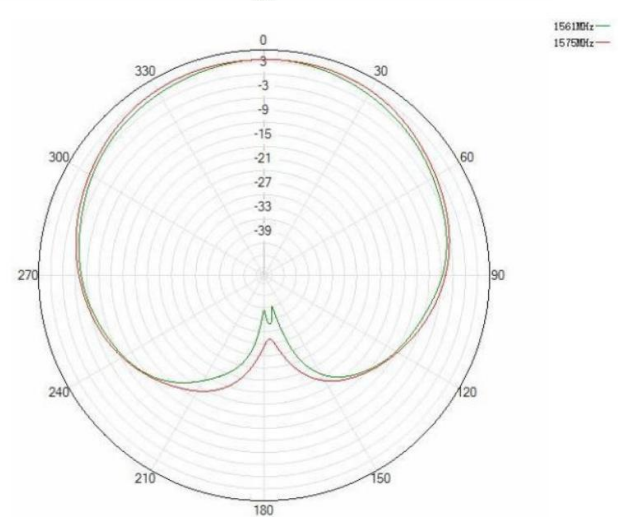
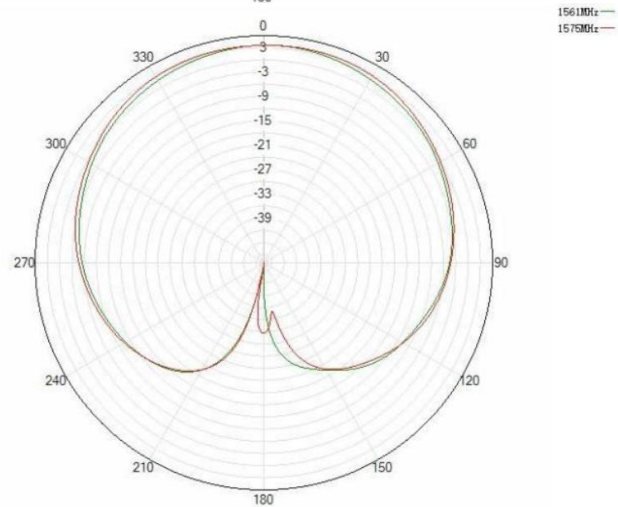
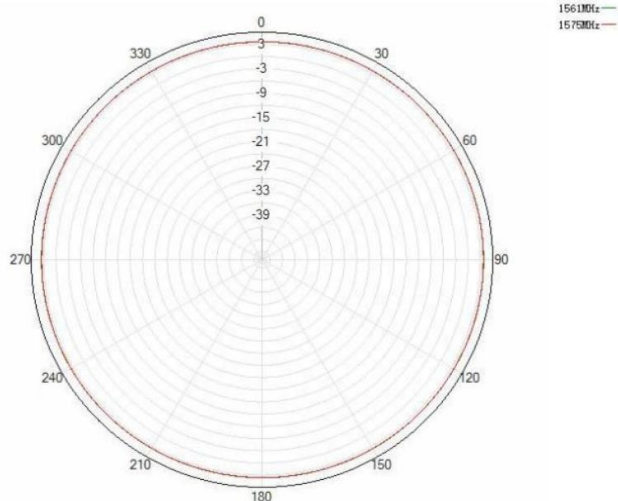
Specification

Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP67 (exclude cable outlet)
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

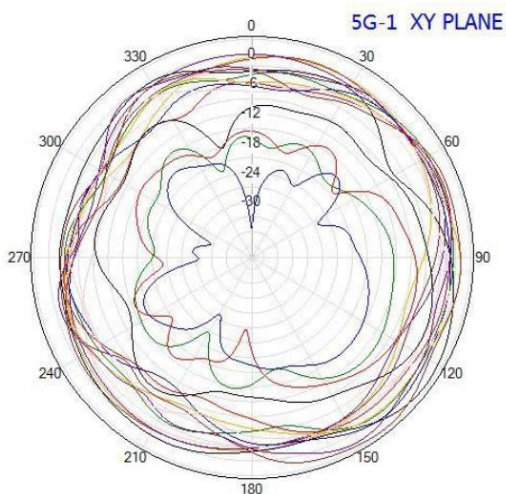
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Radiation Patterns

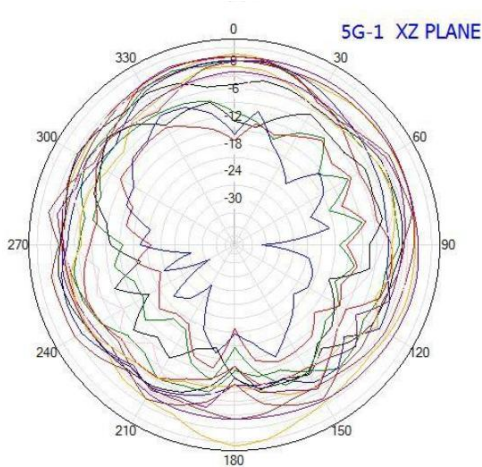
GPS Antenna



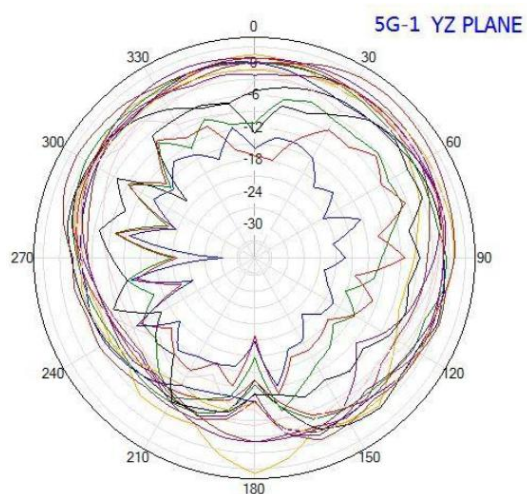
NR Antenna



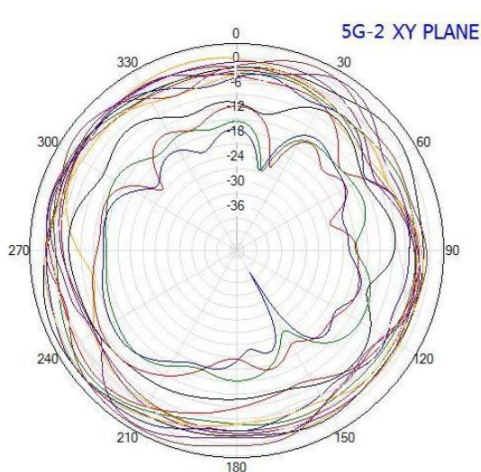
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185MHz
199MHz
217MHz
230MHz
250MHz
269MHz
330MHz
380MHz
440MHz
480MHz
500MHz
698MHz
824MHz
868MHz
960MHz



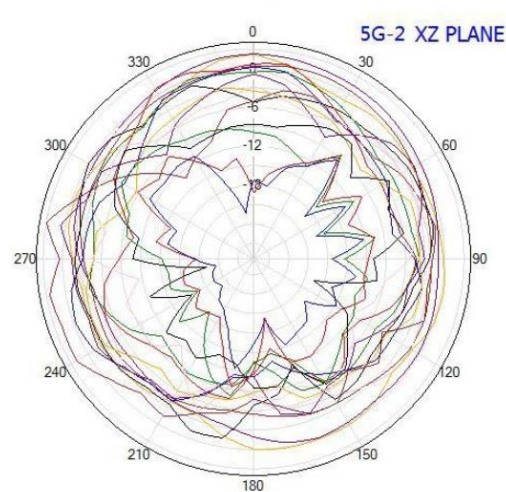
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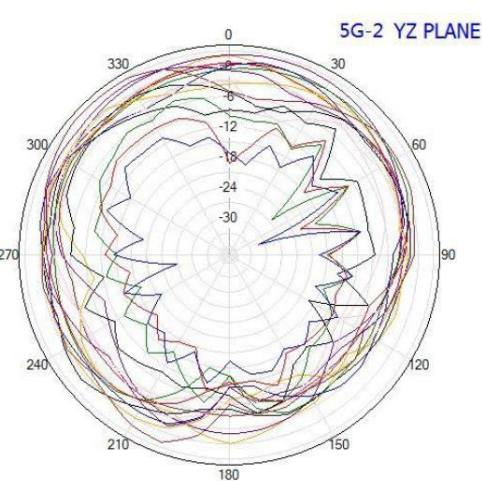
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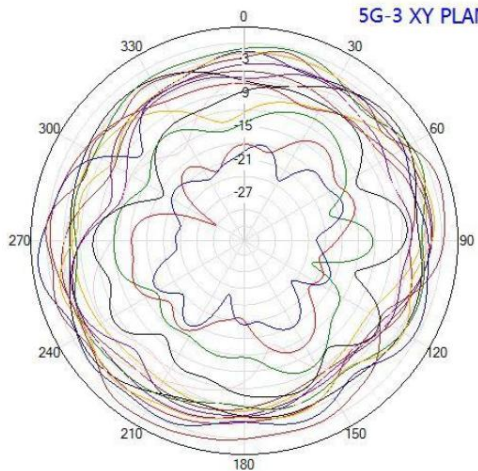
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960MHz

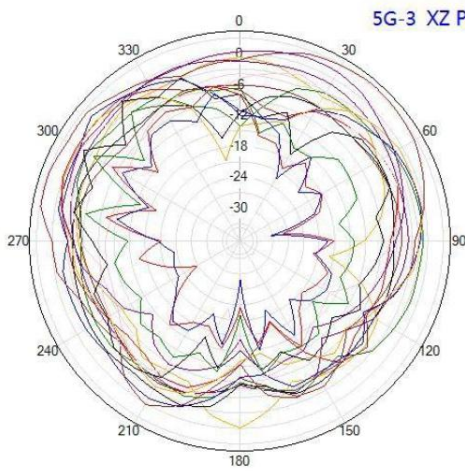
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5G-3 XY PLANE



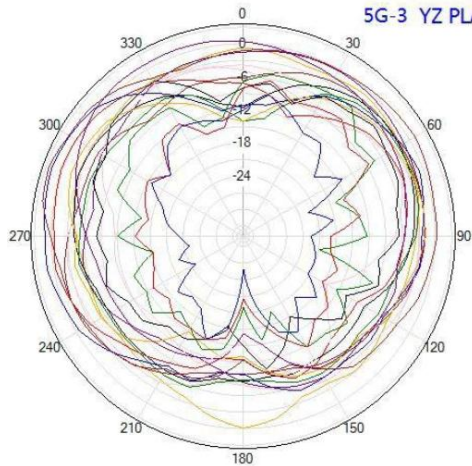
- 1710MHz
- 1850MHz
- 1990MHz
- 2170MHz
- 2300MHz
- 2500MHz
- 2690MHz
- 3300MHz
- 3800MHz
- 4400MHz
- 4800MHz
- 5000MHz
- 698MHz
- 824MHz
- 868MHz
- 960MHz

5G-3 XZ PLANE



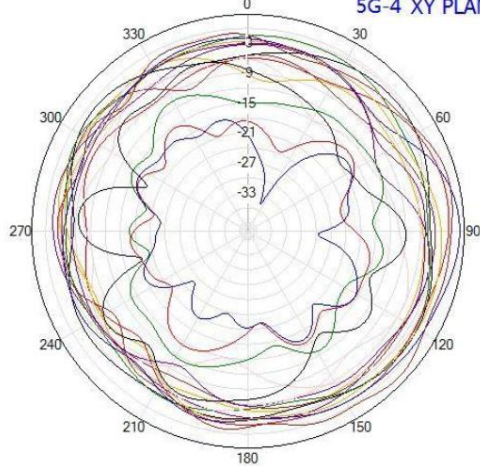
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- 960MHz

5G-3 YZ PLANE



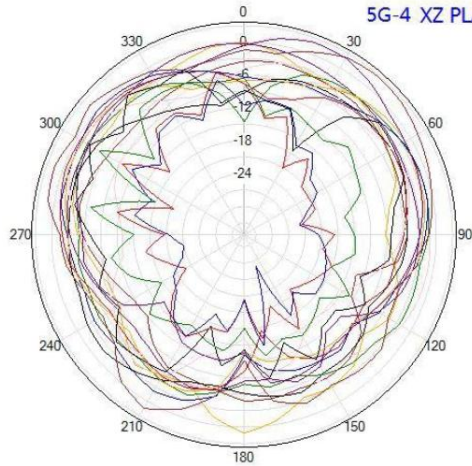
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5G-4 XY PLANE



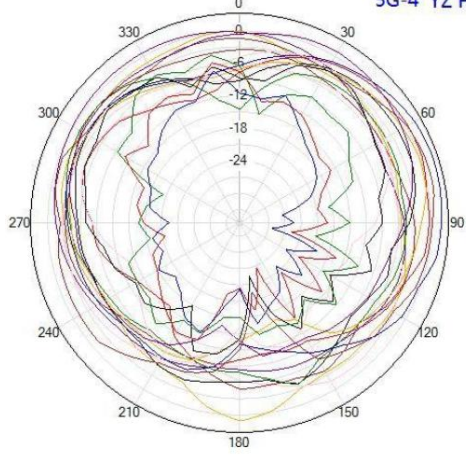
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- 3800MHz
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5G-4 XZ PLANE



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- 960MHz

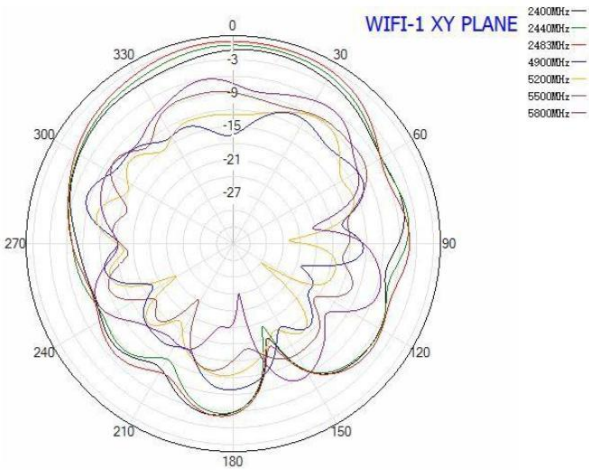
5G-4 YZ PLANE



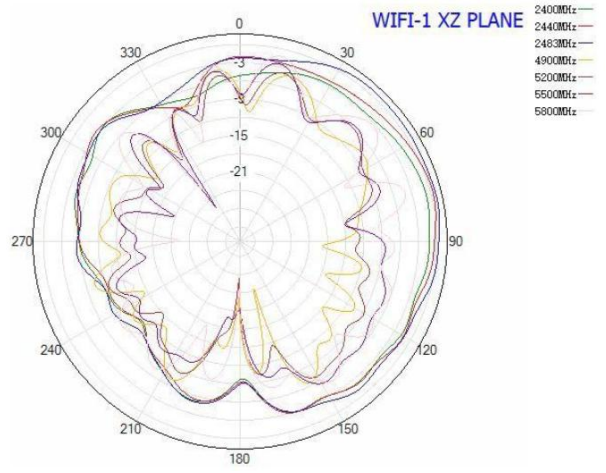
- 1710MHz
- 1850MHz
- 1990MHz
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WIFI Antenna

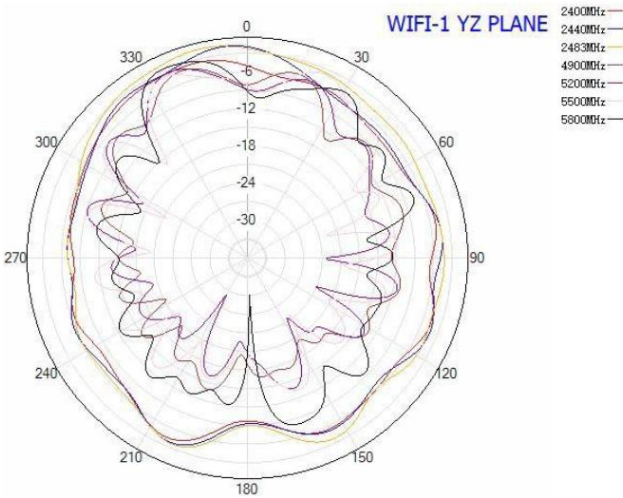
WIFI-1 XY PLANE



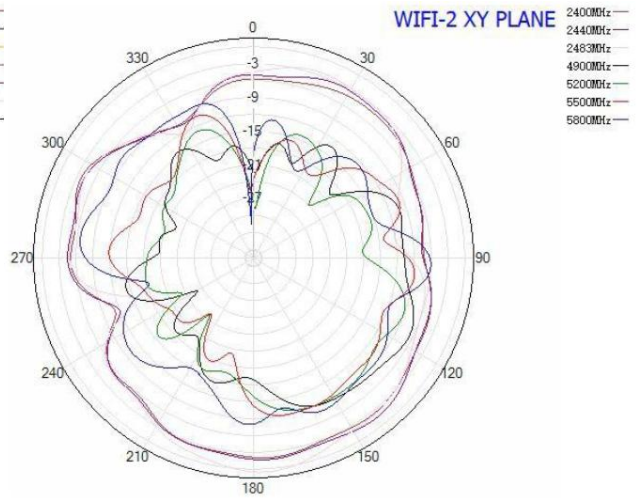
WIFI-1 XZ PLANE



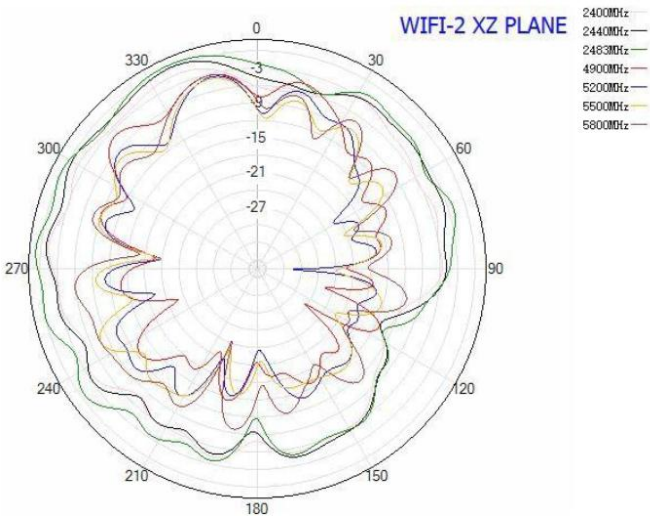
WIFI-1 YZ PLANE



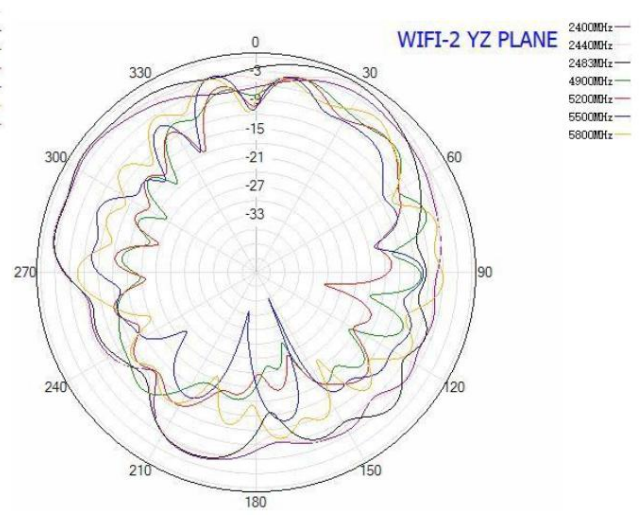
WIFI-2 XY PLANE



WIFI-2 XZ PLANE



WIFI-2 YZ PLANE



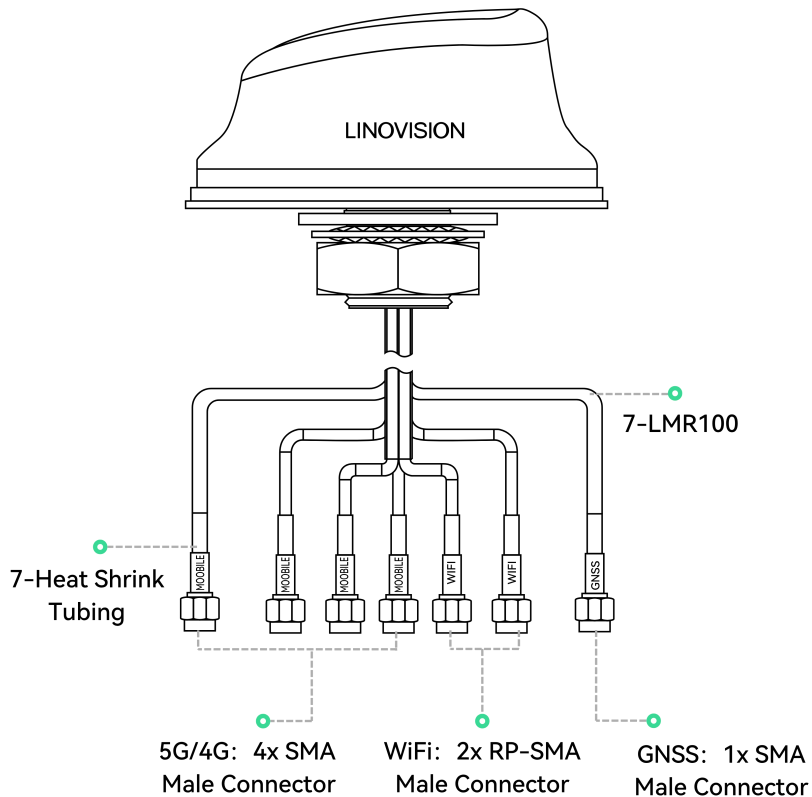
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Dimension

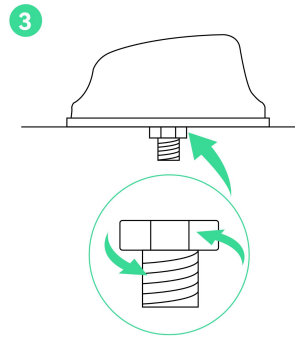
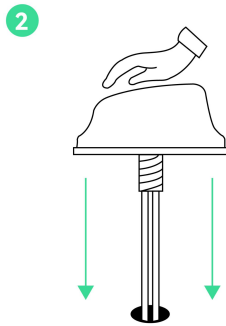
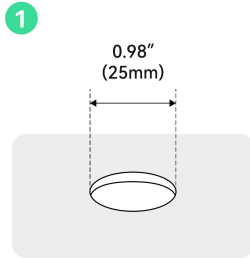


Weight: 1000g (2.2 lb)

Interface



Installation



Package Contents



ANT-5GCombo7



User Manual