

NANE181X69SJVCW2C302A0F

LTE / WIFI External Antenna



Features

- LTE & WIFI Combination Antenna
- IP67 Waterproof
- RoHs Complaint

Applications

- Cellular Communication
- Gateways



Specifications

Electrical

Protocols	LTE Antenna	WIFI Antenna
Frequency Range	698~960MHz 1710~2690MHz	2400~2483.5MHz
Gain	3.5 dBi	3.0 dBi
VSWR	≤ 3.0	≤ 2.0
Polarization	Linear	
Impedance	50 Ω	

Environmental

Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67 (exclude cable outlet)
Vibration	10 to 1000Hz G=28.7m/s ²
ROHS Compliant	Yes

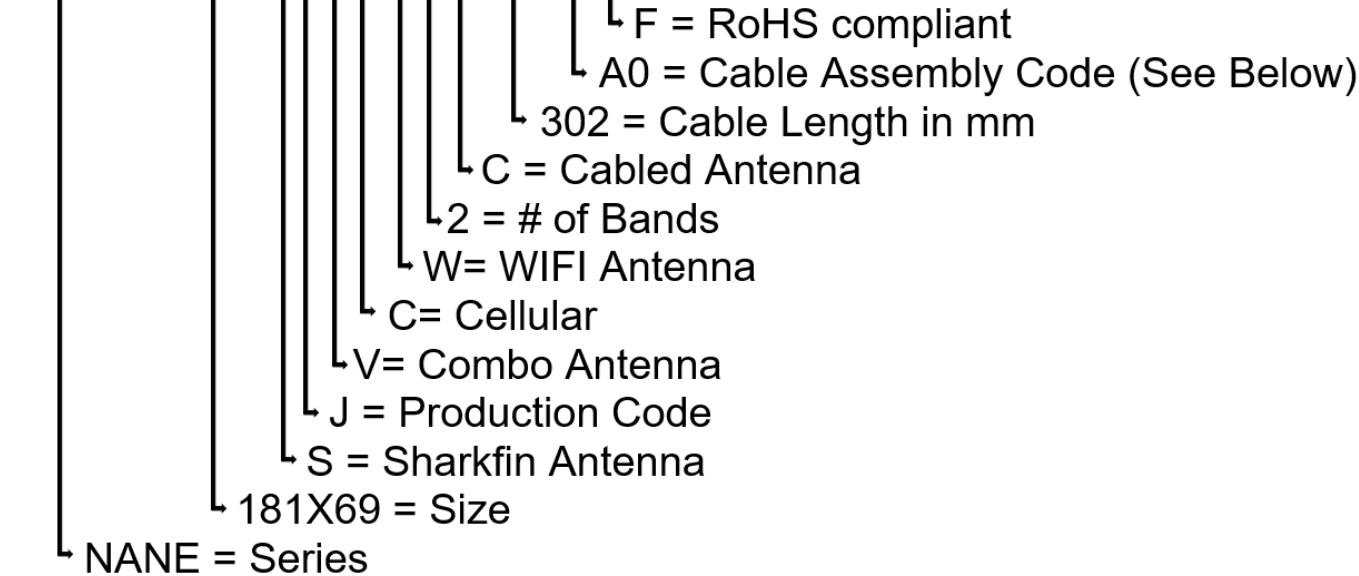
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Part Number Breakdown

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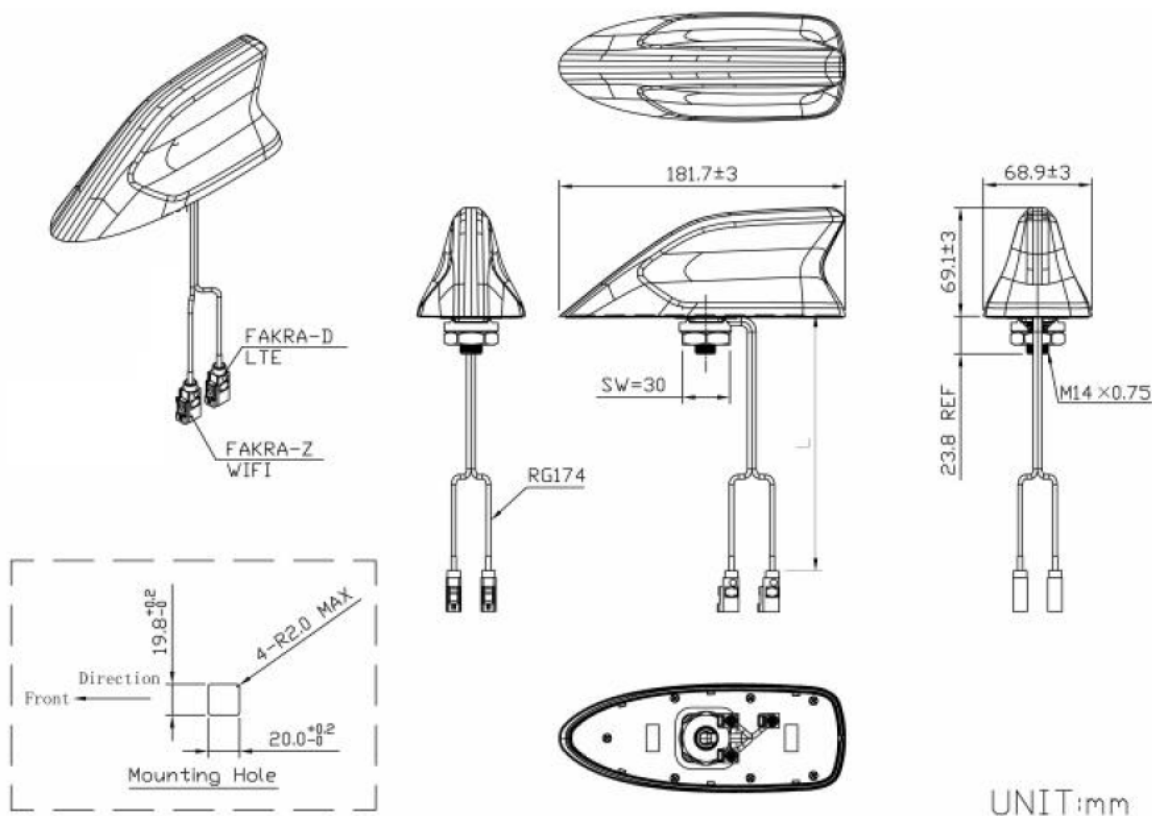
Assembly Ref	Protocol	Connector Type	Cable Type
A0	Cellular & WIFI	FAKRA	RG174

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Dimension Drawing



Dimensions (mm) & Mechanical

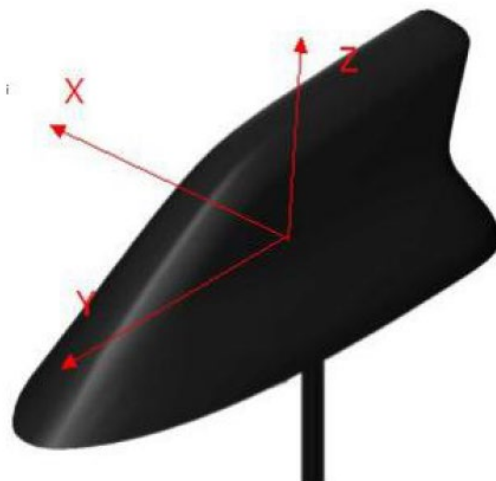
Diameter	181.7 ± 3
Width	68.9 ± 3
Height	69.1 ± 3
Cable Length	3000mm (3M)
Mounting Method	Screw

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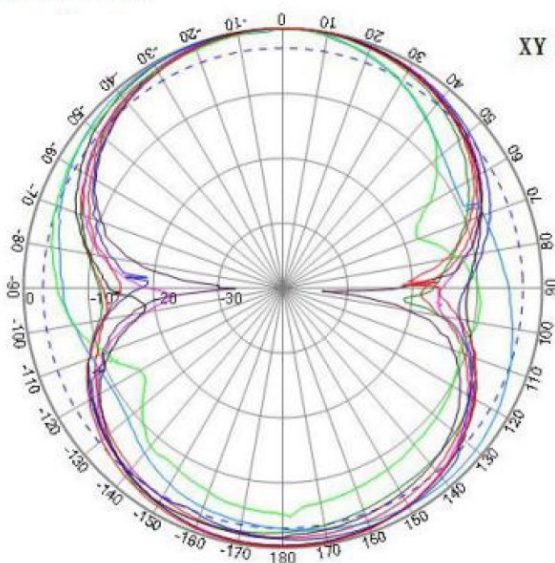


Radiation Patterns



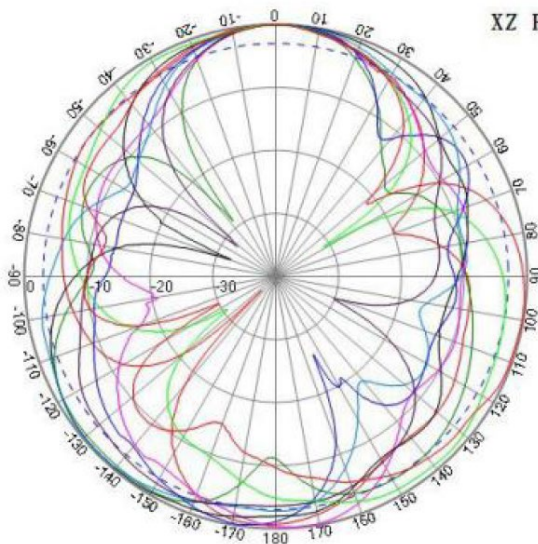
LTE Antenna

XY PLANE



Freq: 700
Freq: 824
Freq: 868
Freq: 960
Freq: 1710
Freq: 1850
Freq: 1990
Freq: 2170
Freq: 2690

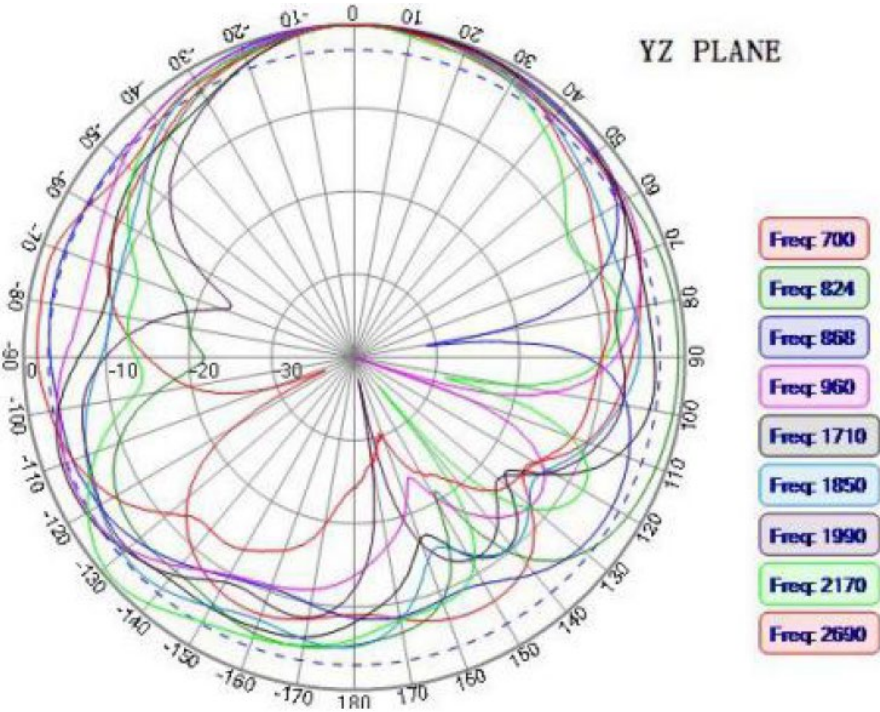
XZ PLANE



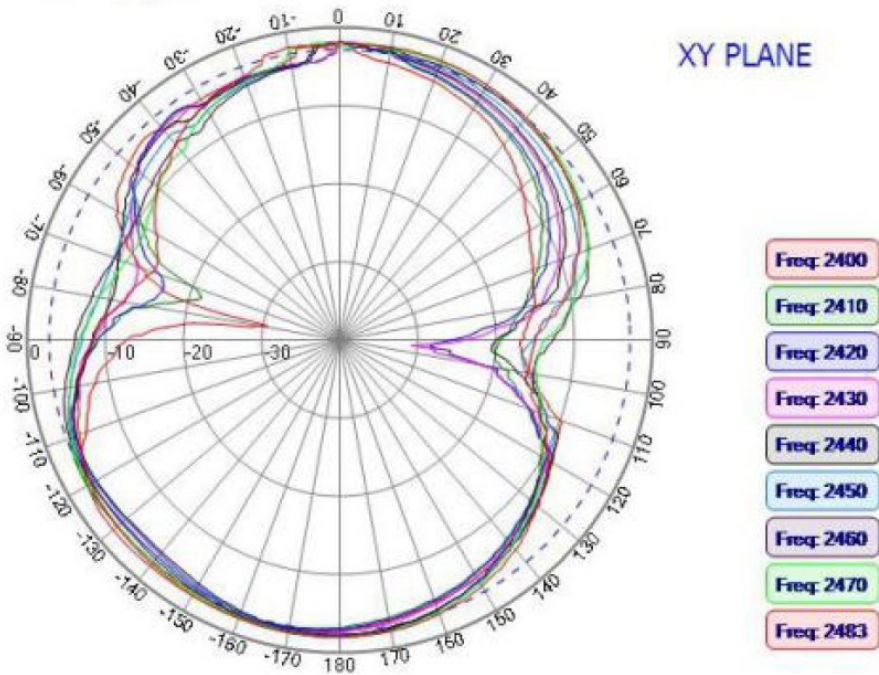
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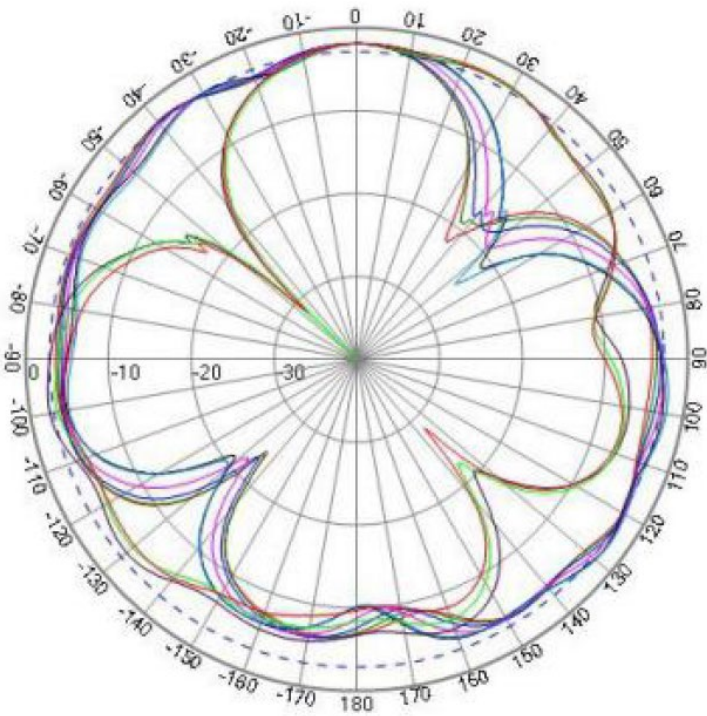


WIFI Antenna



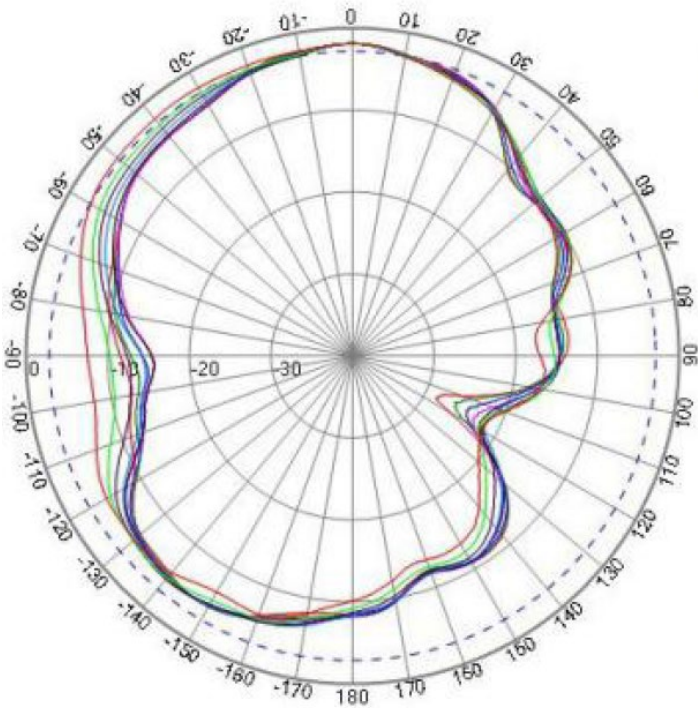
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LTE / WIFI External Antenna



XZ PLANE

- Freq. 2400
- Freq. 2410
- Freq. 2420
- Freq. 2430
- Freq. 2440
- Freq. 2450
- Freq. 2460
- Freq. 2470
- Freq. 2483



YZ PLANE

- Freq. 2400
- Freq. 2410
- Freq. 2420
- Freq. 2430
- Freq. 2440
- Freq. 2450
- Freq. 2460
- Freq. 2470
- Freq. 2483