




SPECIFICATION SHEET

NR MIMO×4+WIFI MIMO Antenna

MESSERS.	
DESCRIPTION	5G ANTENNA
PART No.	FES-7F0ENR4WM

ACCEPTANCE		
PREPARED	CHECKED	APPROVED
/	/	/

SUPPLIER		
PREPARED	CHECKED	APPROVED
		
09/05	09/05	09/05

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◆ REVISION HISTORY

NO	DATE	REVISION	NOTE	AUTHORS
1	2024.09.05	00	First Draft	LEE.

◆ APPLICATIONS

- MOBILE STATION, BASE STATION SYSTEM
- VOICE CALLS SHORT MESSAGES
- SMART GRID AUTOMATION, REMOTE SURVEILLANCE
- SMART TRAFFIC MANAGEMENT, SMART METERS
- VEHICLE TRACKING ENERGY SYSTEM, MOBILE TV etc. OTHERS

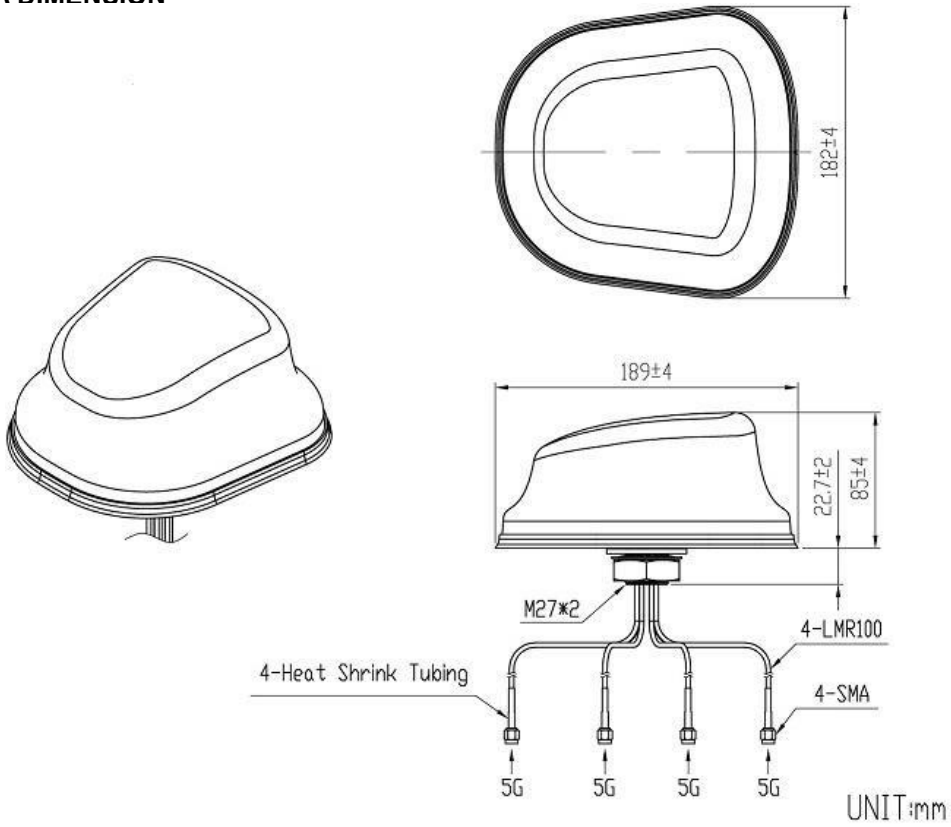
◆ ELECTRICAL SPECIFICATION

ITEM		SPECIFICATIONS
5G NR Antenna MIMO*4	Frequency Range	698~960MHz/1710~2690MHz/2900~3800MHz
	Polarization	Linear
	Gain	4dBi (Typ.)
	V.S.W.R	< 3.0
	Impedance	50Ω
WIFI Antenna MIMO*2	Frequency Range	2400~2483.5MHz/4900~5925MHz
	Polarization	Linear
	Gain	4dBi (Typ.)
	V.S.W.R	< 2.5
	Impedance	50Ω

◆ MECHANICAL AND ENVIRONMENTAL SPECIFICATION

ITEM	SPECIFICATIONS
Cable	LMR100*4
Connector	SMA or others
Mounting Method	Screw
Dimensions	182x189x85±4mm
Operating Temperature	-40°C~+85°C
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Environmentally Friendly	ROHS Compliant

◆ **ANTENNA DIMENSION**



➤ **Customizable Cable and Connector**

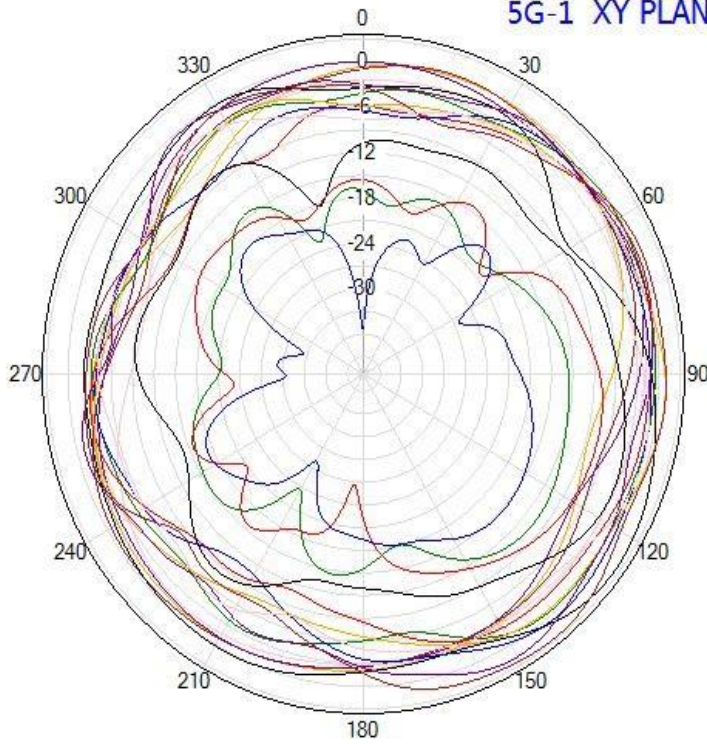
● **Antenna Image**



◆ RADIATION PATTERN

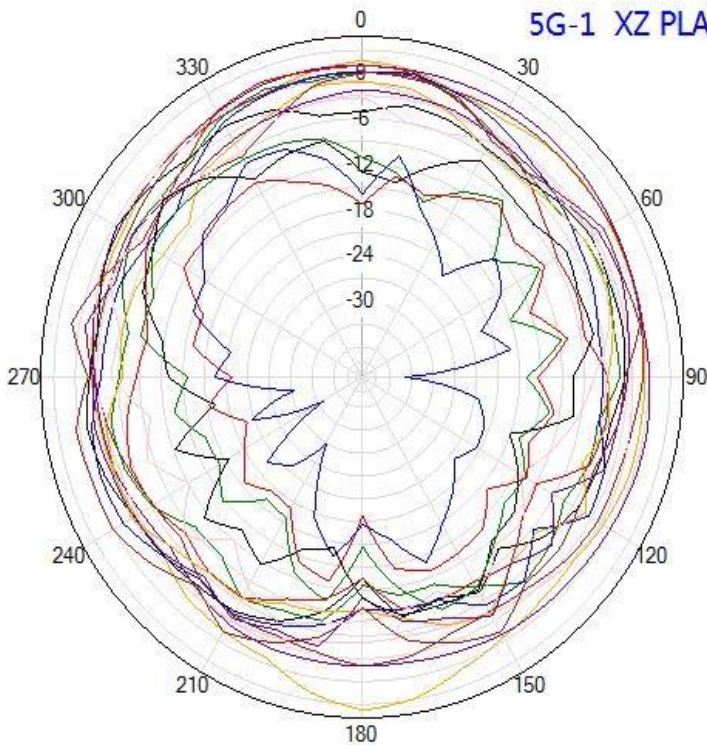
NR Antenna

5G-1 XY PLANE



- 1710MHz —
- 1850MHz —
- 1990MHz —
- 2170MHz —
- 2300MHz —
- 2500MHz —
- 2690MHz —
- 3300MHz —
- 3800MHz —
- 4400MHz —
- 4800MHz —
- 5000MHz —
- 696MHz —
- 824MHz —
- 868MHz —
- 960MHz —

5G-1 XZ PLANE

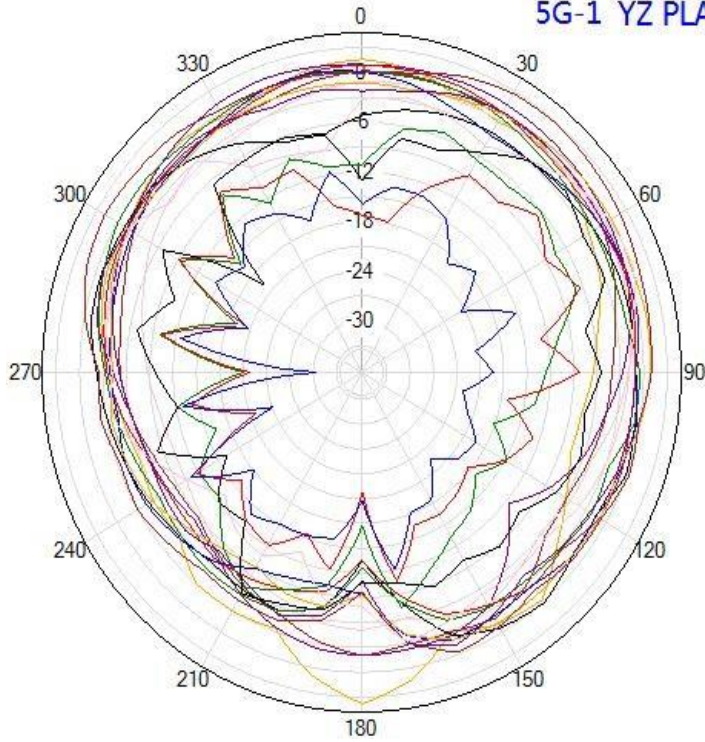


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◆ RADIATION PATTERN

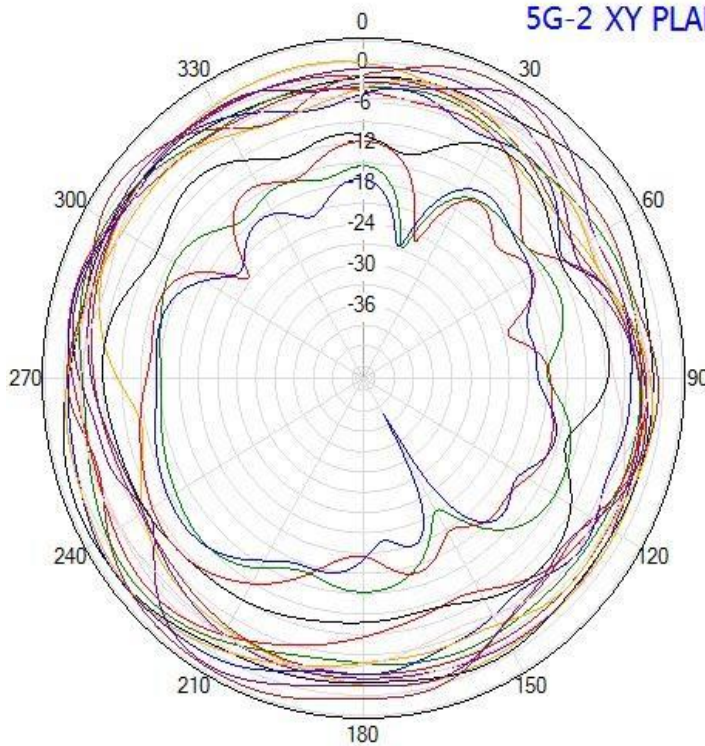
NR Antenna

5G-1 YZ PLANE



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5G-2 XY PLANE

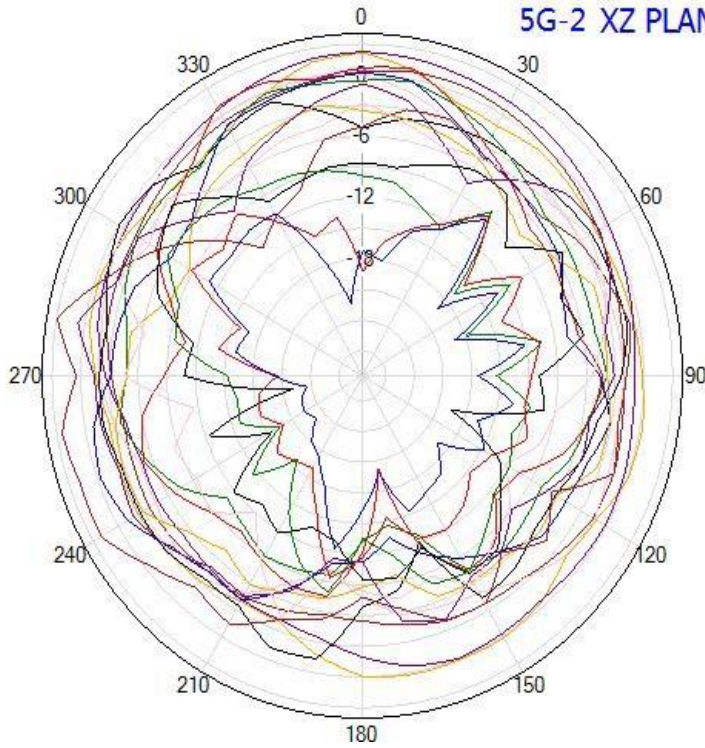


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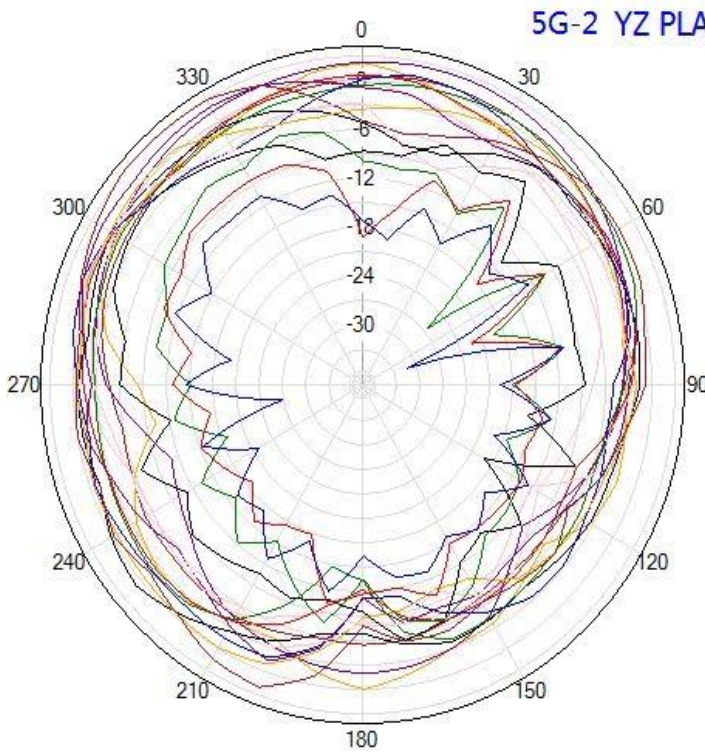
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5G-2 XZ PLANE



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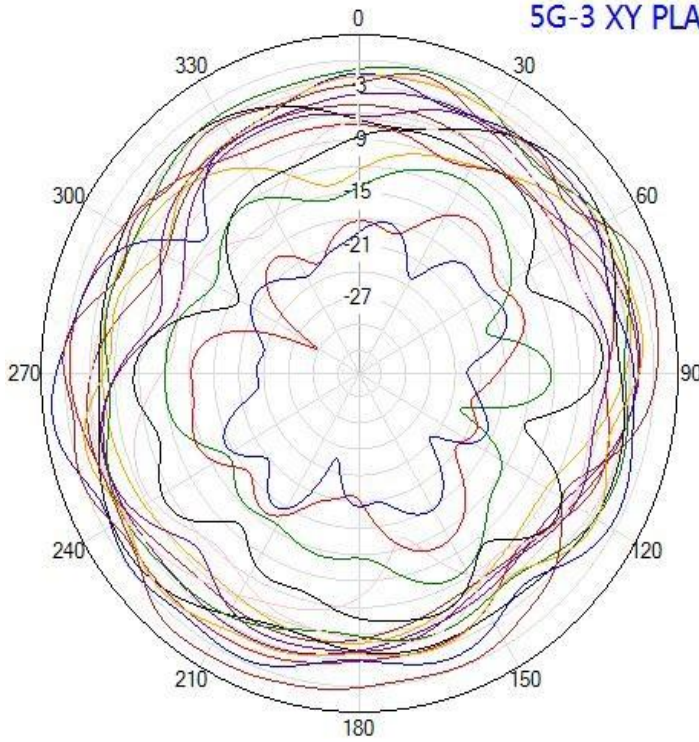


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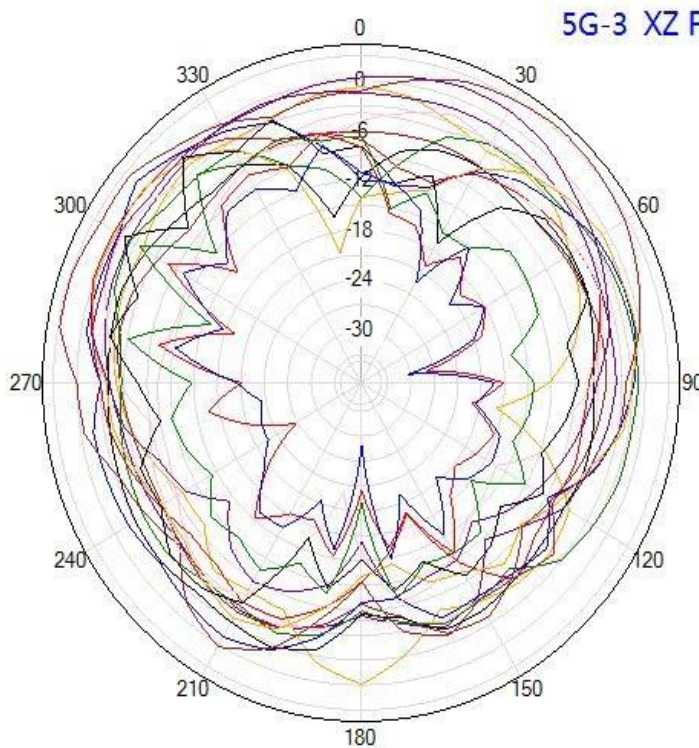
NR Antenna

5G-3 XY PLANE



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- 2300MHz —
- 2500MHz —
- 2690MHz —
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5G-3 XZ PLANE

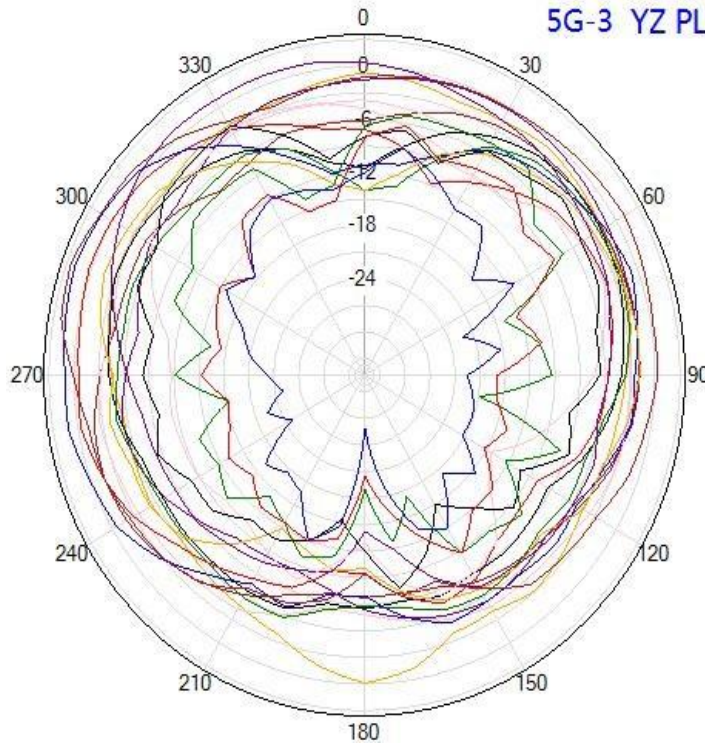


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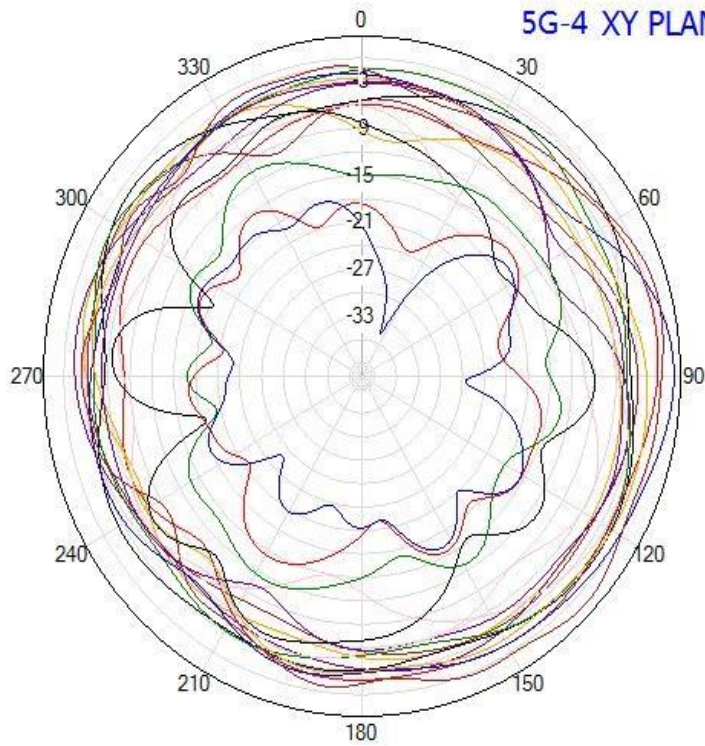
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5G-3 YZ PLANE



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5G-4 XY PLANE

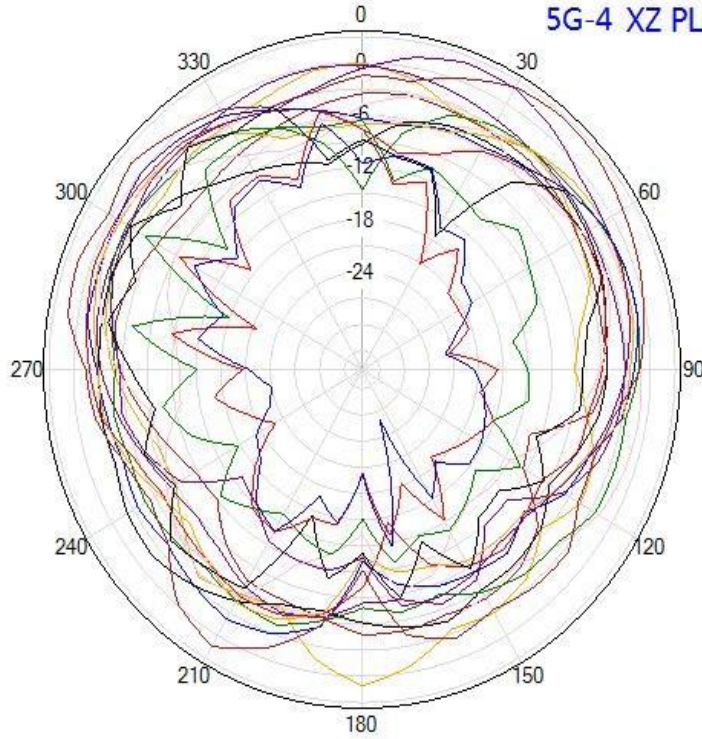


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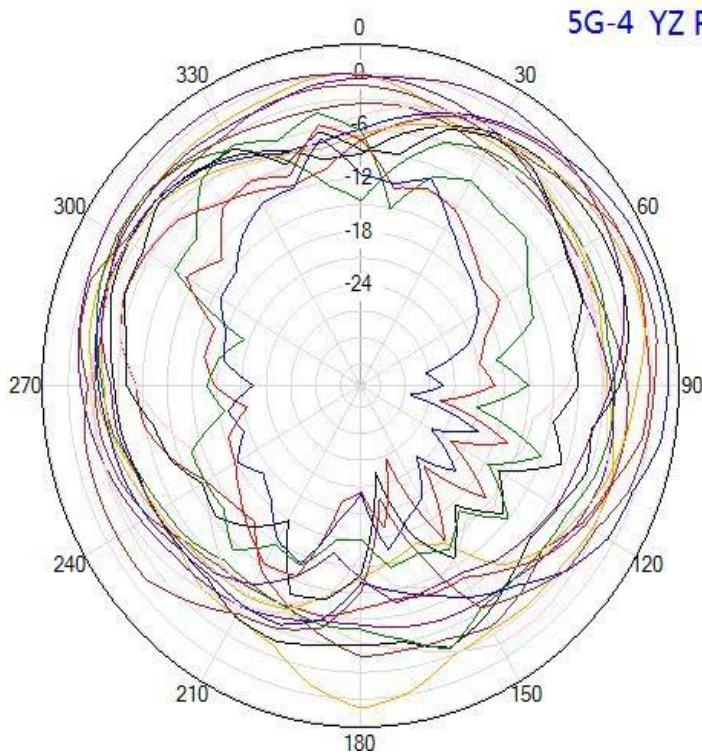
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5G-4 XZ PLANE



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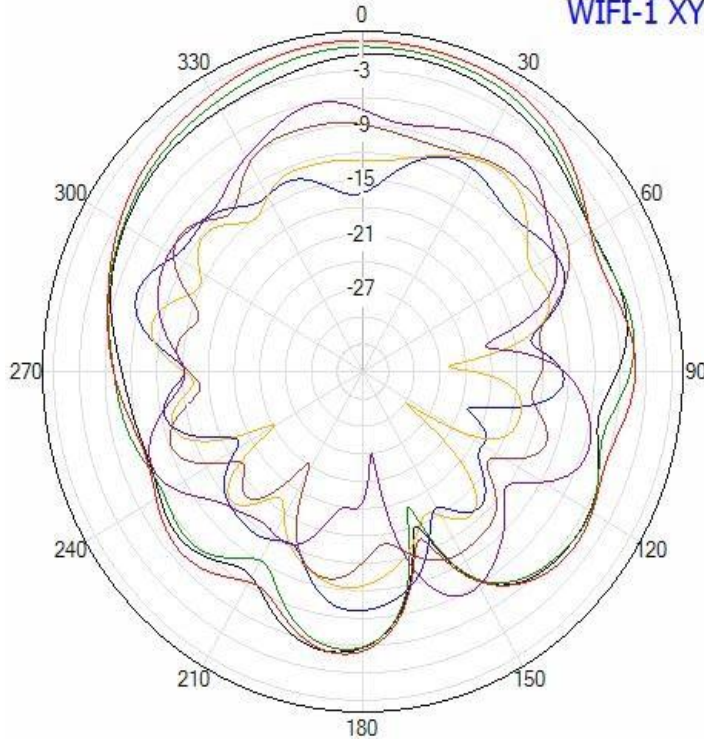
5G-4 YZ PLANE



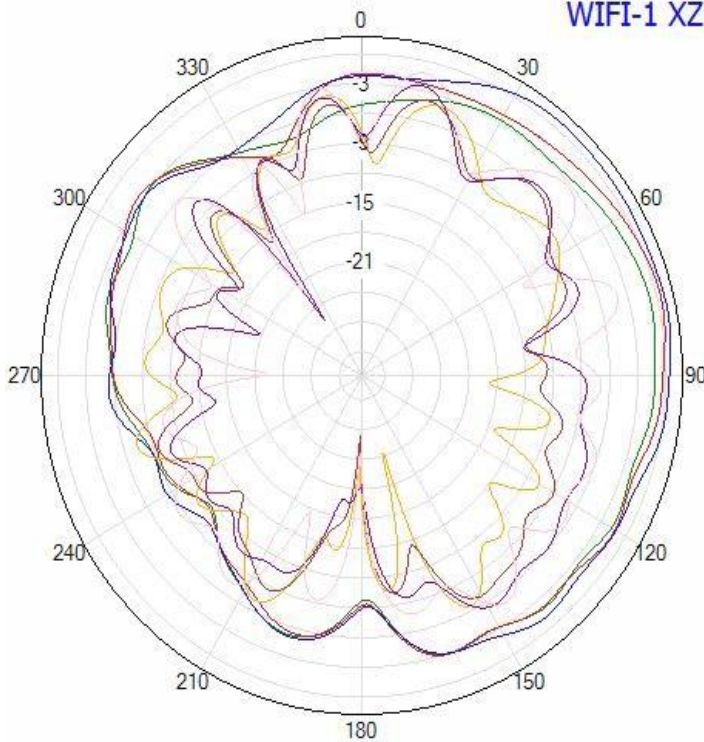
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◆ RADIATION PATTERN

WIFI Antenna



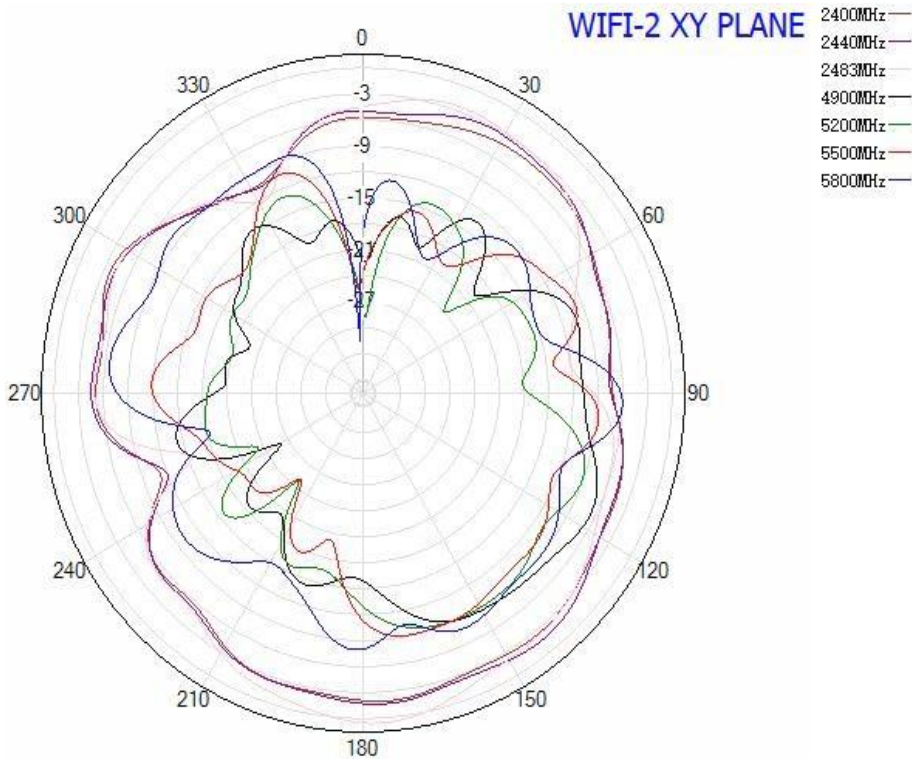
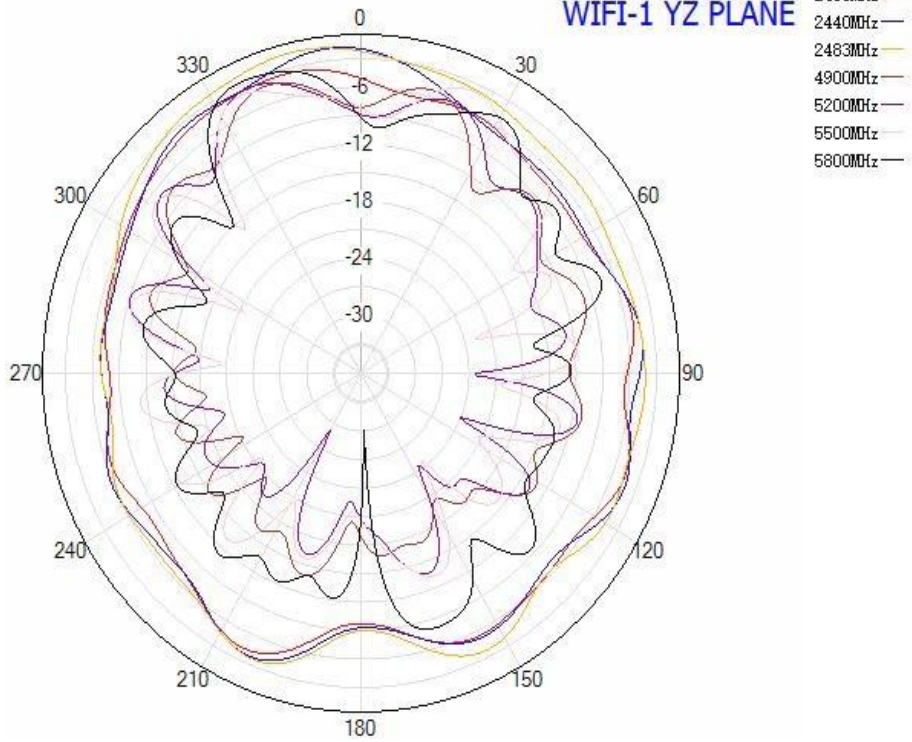
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- 2440MHz —
- 2483MHz —
- 4900MHz —
- 5200MHz —
- 5500MHz —
- 5800MHz —



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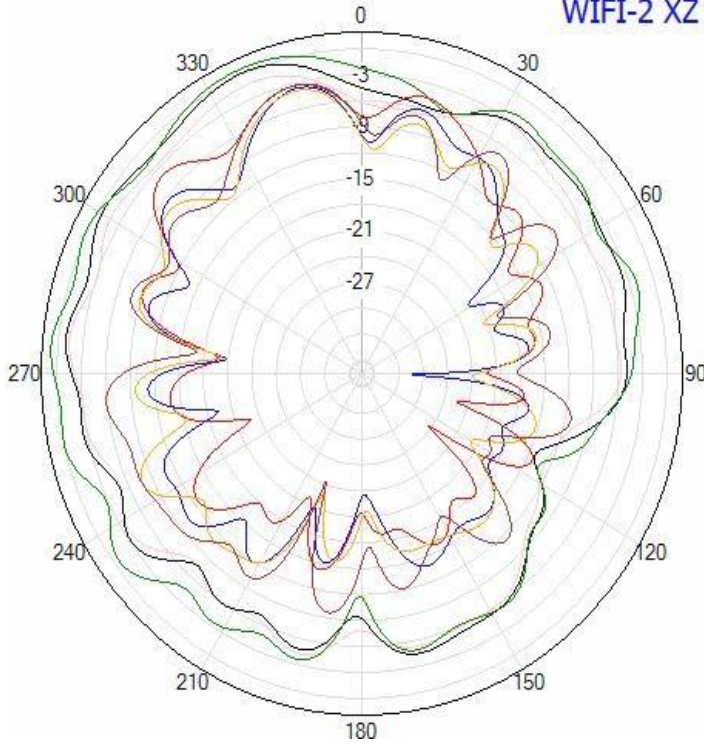
WIFI Antenna



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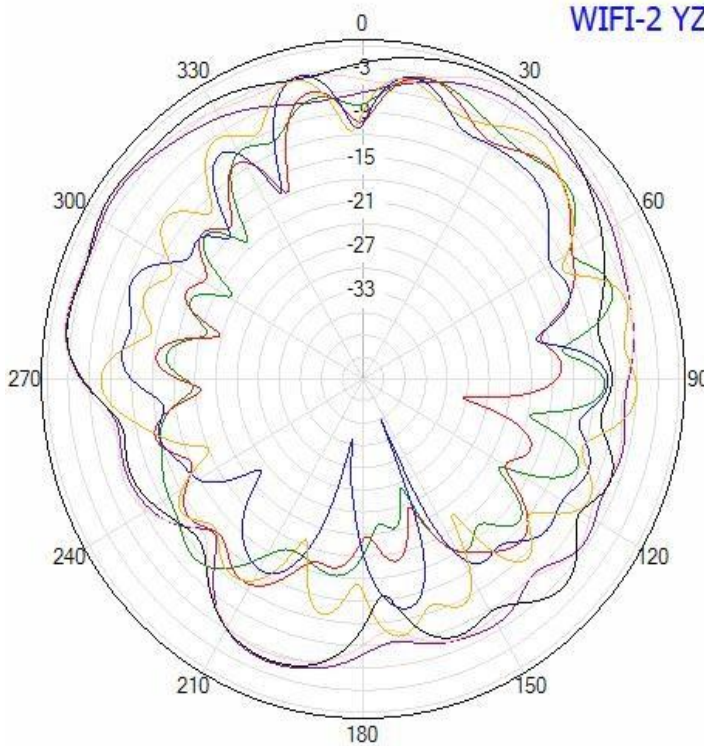
WIFI Antenna

WIFI-2 XZ PLANE



- 2400MHz
- 2440MHz
- 2483MHz
- 4900MHz
- 5200MHz
- 5500MHz
- 5800MHz

WIFI-2 YZ PLANE



- 2400MHz
- 2440MHz
- 2483MHz
- 4900MHz
- 5200MHz
- 5500MHz
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