

# 加利电子（无锡）有限公司



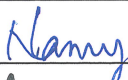


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零件承认书  
SPECIFICATION FOR APPROVAL

REV NO.	DATE	DESCRIPTION
A	2023.9.21	First release

P/N of Galtronics  
02102140-07260-4

P/N of Netgear  
TBD

APPROVED BY	SIGNATURE	DATE
Engineering Manager		2023.9.21
Mechanical Engineer		2023.9.21
RF Engineer		2023.9.21
Quality Engineer		2023.9.21
Project Manager		2023.9.21
Customer Approval		


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## 1. Antenna Description

Item	Description
Antenna Type	Dipole
Antenna Description	Antenna Dimension: $\phi$ 7.2mm*55.8mm Outgoing Cable Length: 80mm
Photos	

## 2. Product Specification

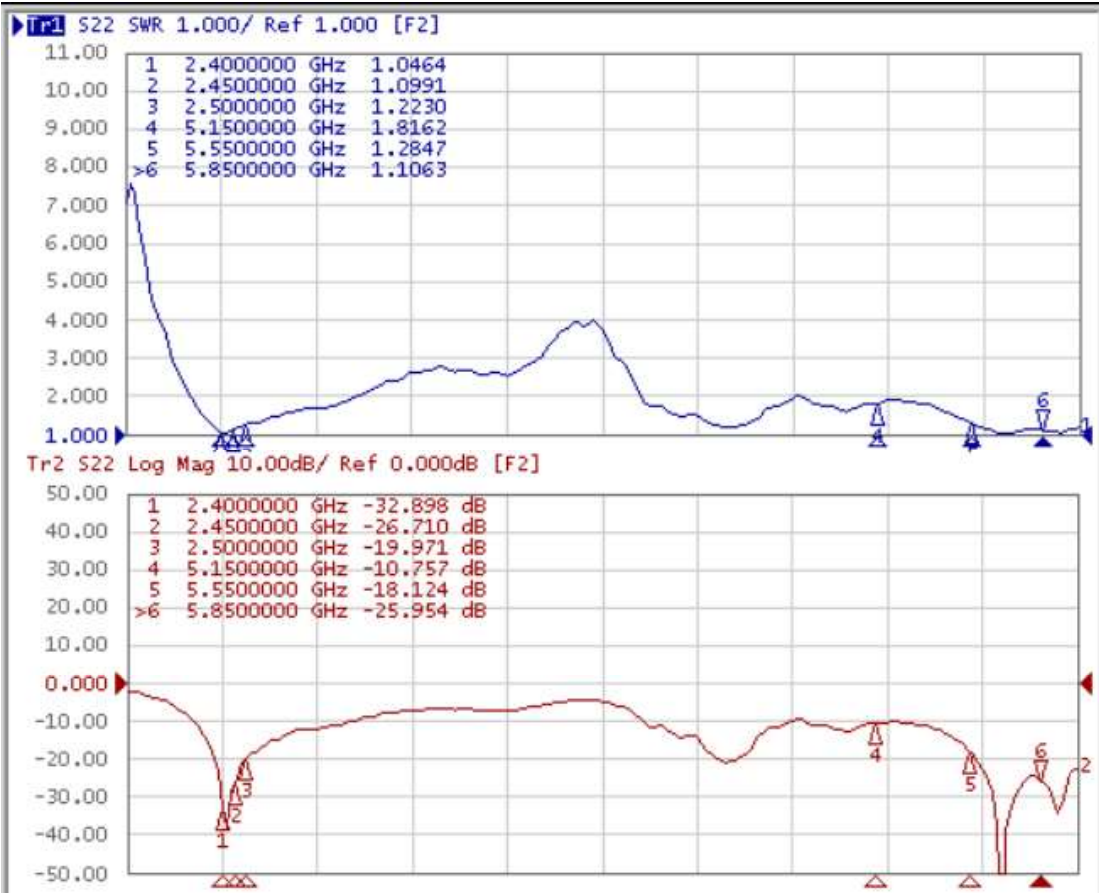
Item	Description
Antenna Type	Dipole
Frequency Range	2.4-2.5GHz & 5.15-5.85GHz
Feed Impedance	50 ohms
VSWR	<2
Efficiency	~75%@2GHz Band ~70%@5GHz Band
Peak Gain	Max 3.0dBi@2GHz Max 3.0dBi@5GHz
Connector Type	I-PEX(20670-001R-13)

## 3. Performance Test

# Antennas Return Loss & VSWR



W E ' R E M A K I N G W A V E S ™



02102140-07260-4

# Antenna Gain and Radiation Efficiency



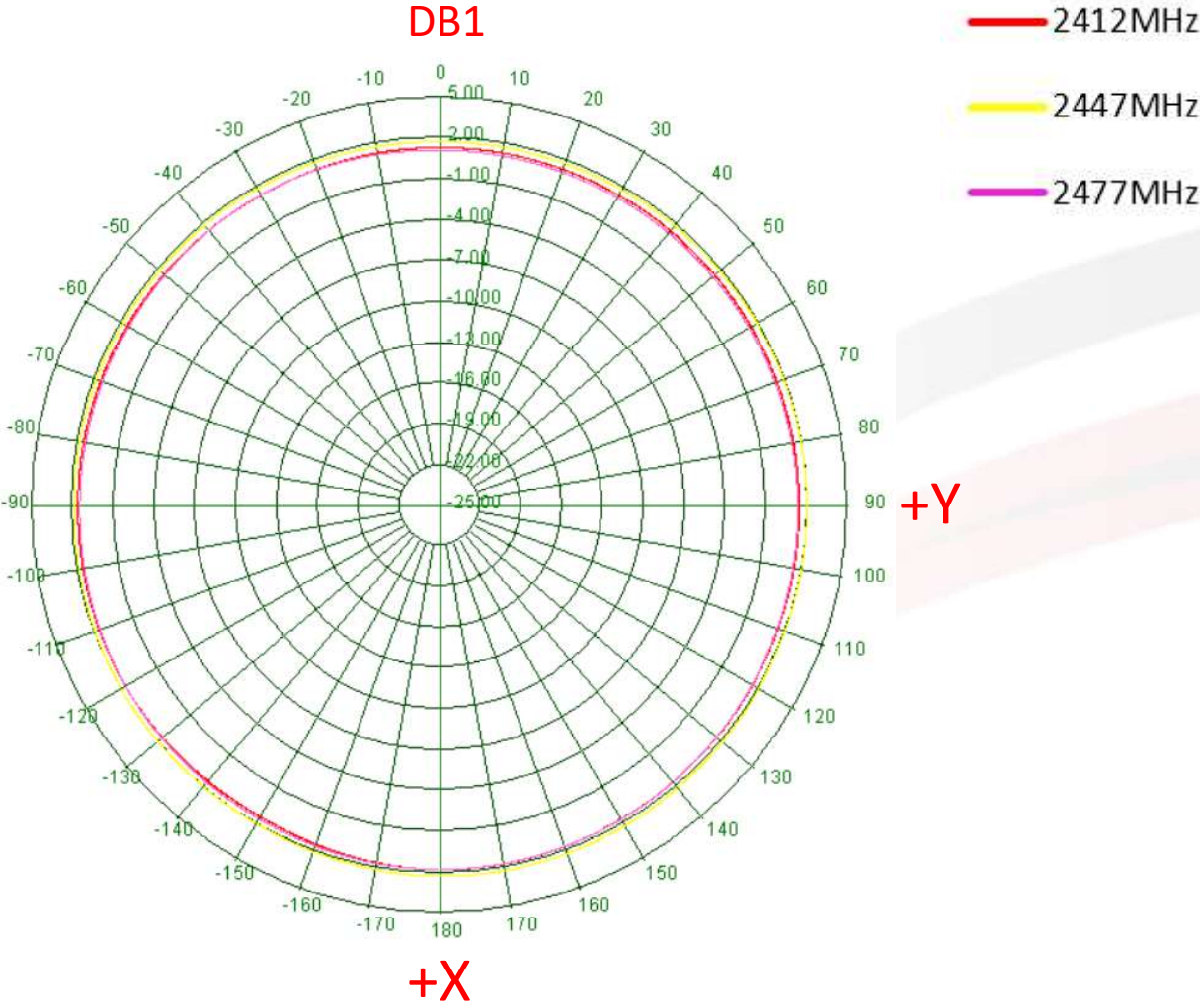
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Frequency(GHz)	2412	2447	2477	5180	5220	5320	5540	5700	5825
Efficiency(%)	75.82	78.06	80.82	79.16	74.56	80.54	72.66	74.50	75.84
Peak Gain(dBi)	2.37	2.98	2.75	2.22	1.56	1.76	1.98	2.76	2.81

# Power Sum-2.4GHz Band- Azimuth(XY)



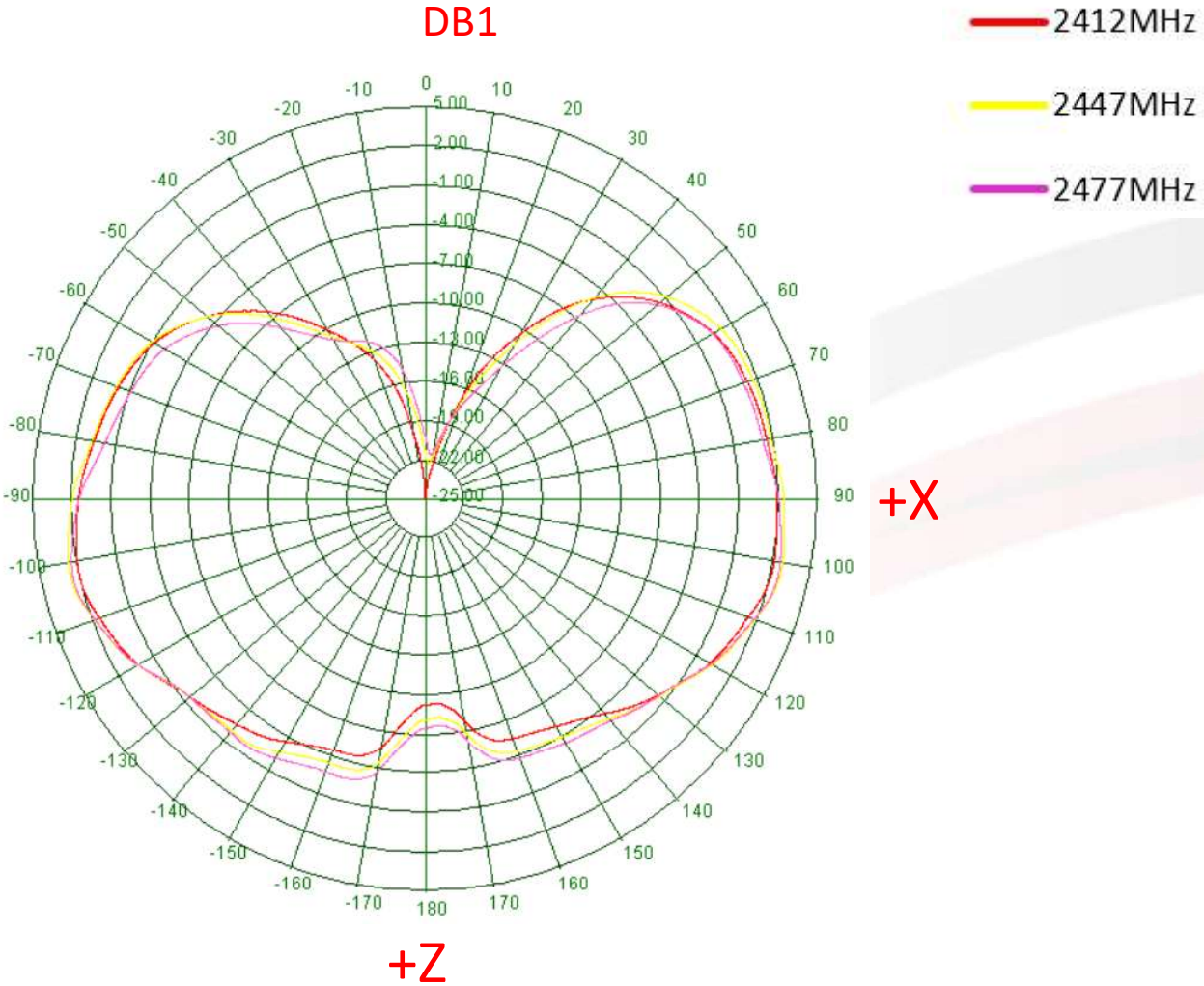
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# Power Sum-2.4GHz Band- Elevation Cut (ZX)



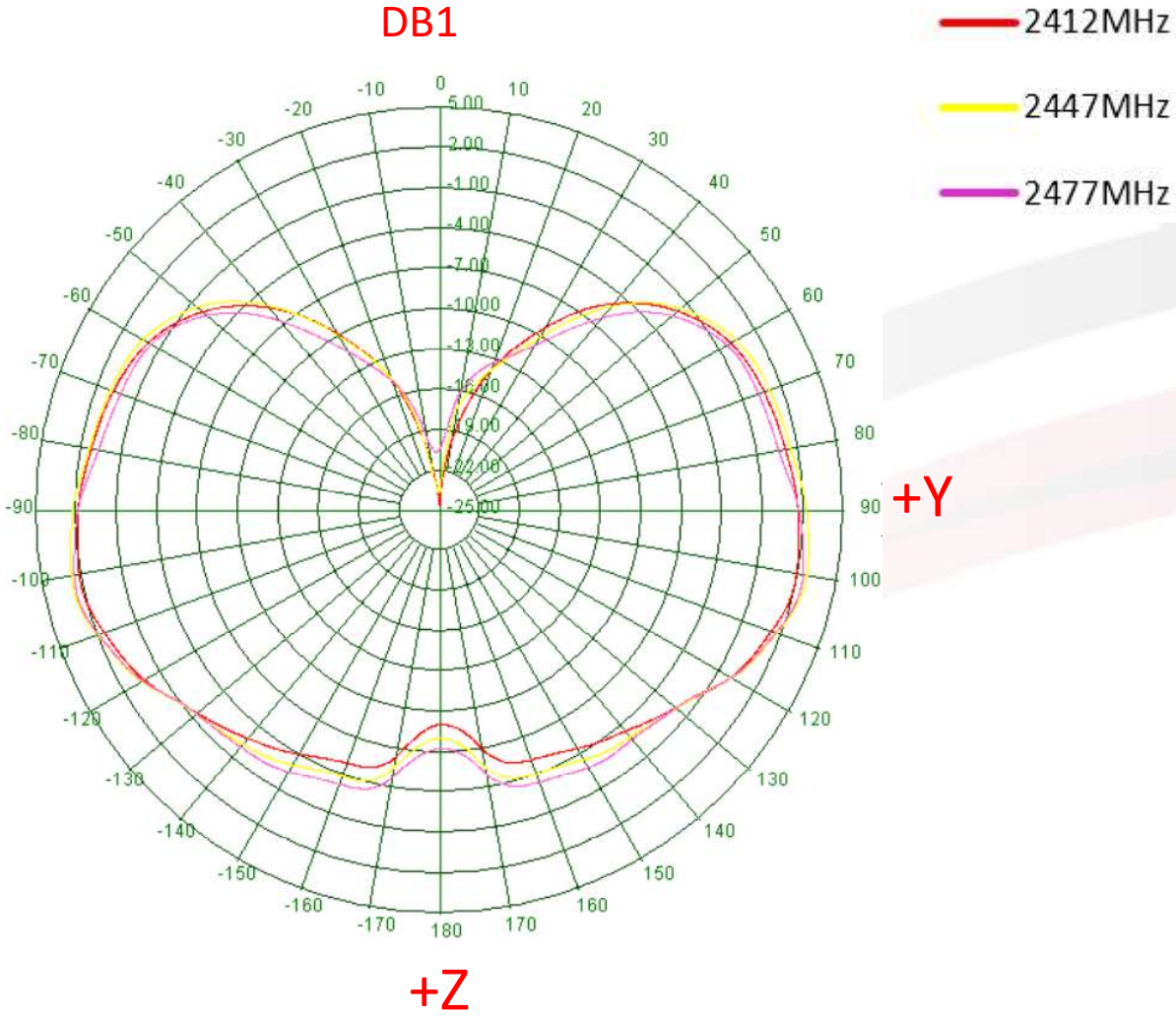
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# Power Sum-2.4GHz Band- Elevation Cut (ZY)



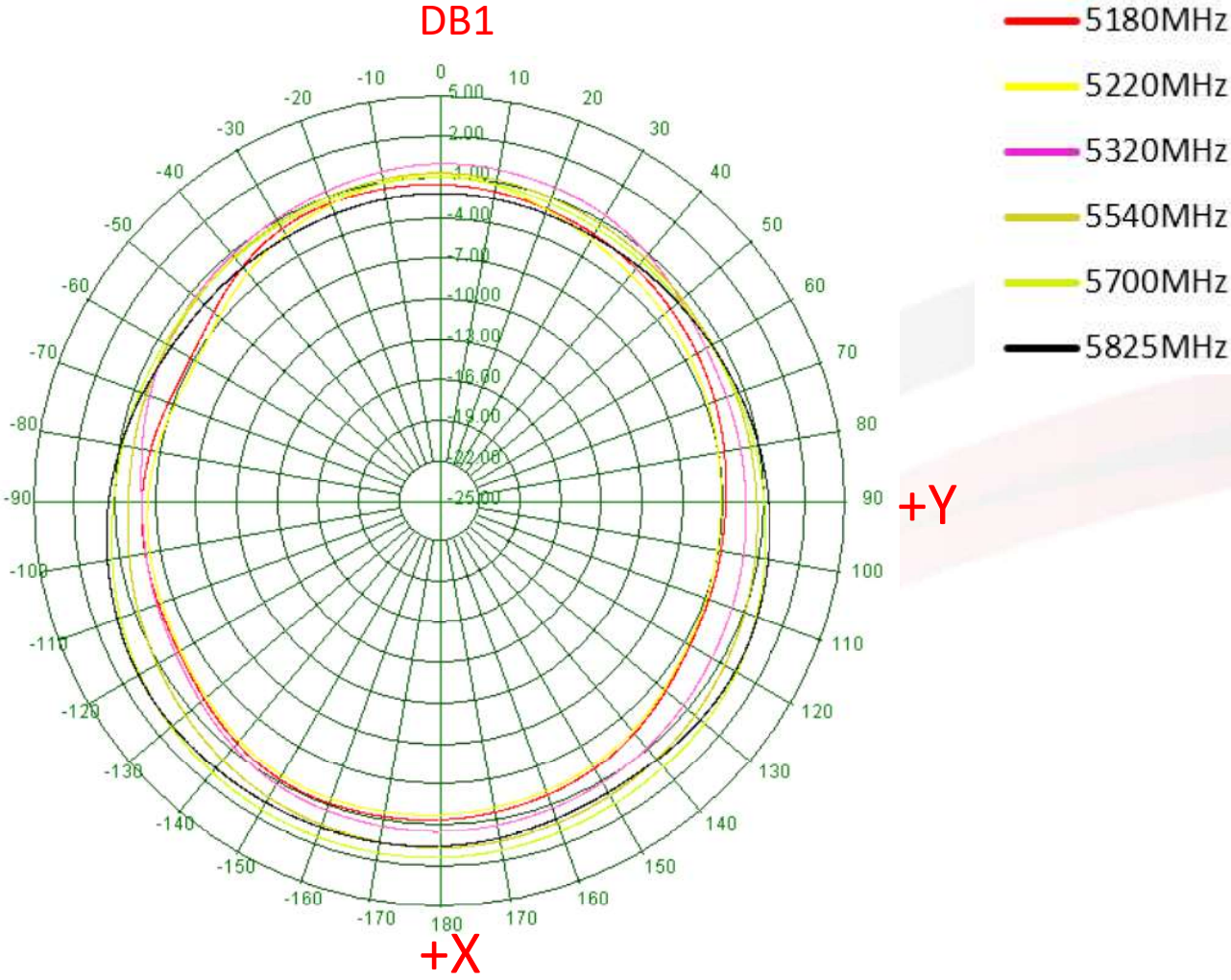
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# Power Sum-5GHz Band- Azimuth(XY)



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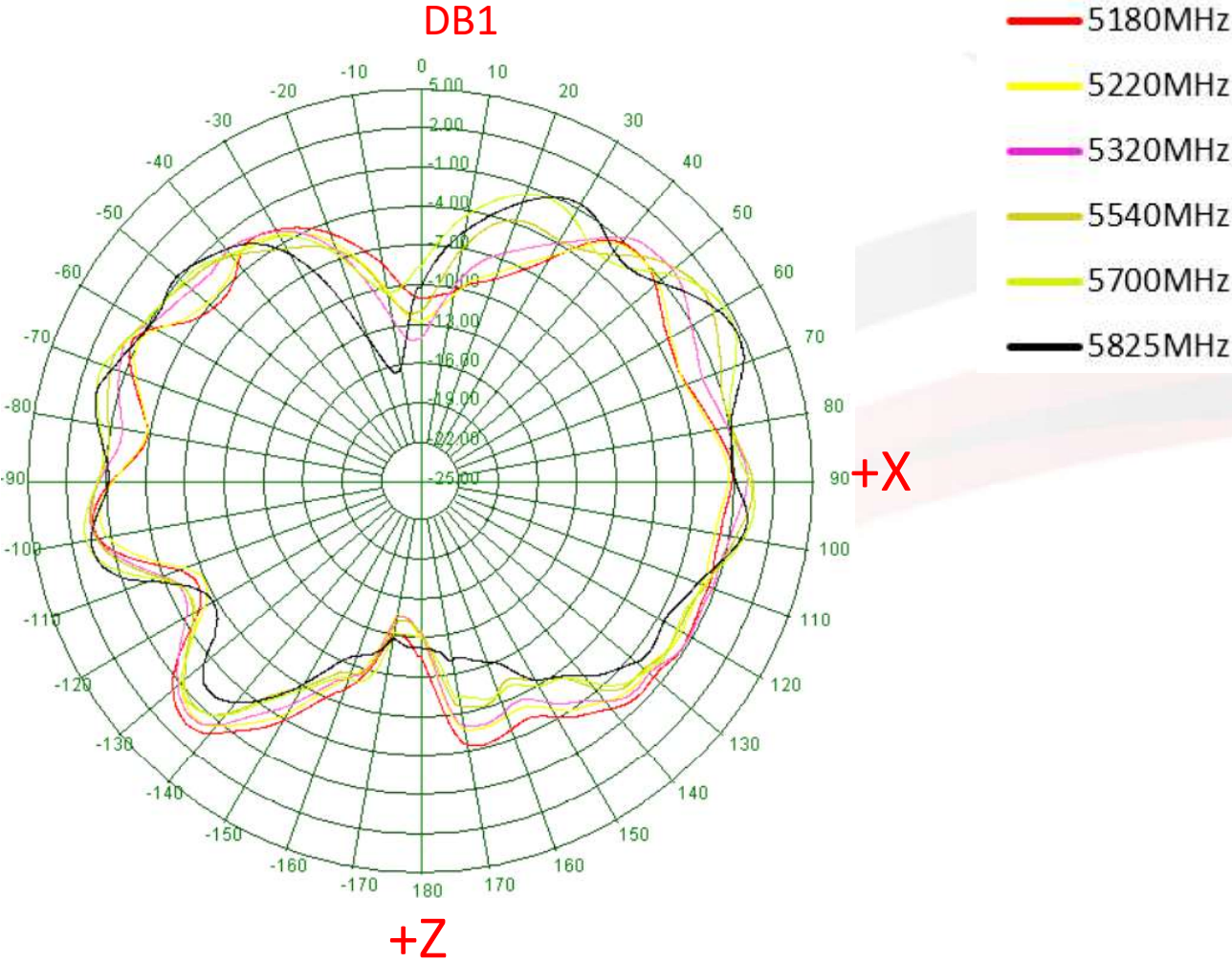


+Y

# Power Sum-5GHz Band- Elevation Cut (ZX)



W E ' R E M A K I N G W A V E S ™



# Power Sum-5GHz Band- Elevation Cut (ZY)



W E ' R E M A K I N G W A V E S ™

