

加利电子（无锡）有限公司



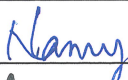


地址：无锡高新技术产业开发区锡士路 1 号
电话：86-510-88665500
传真：86-510-88665511

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		


Index

1. Antenna Description

2. Product Specification

3. Performance Test

1. Antenna Description

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

2. Product Specification

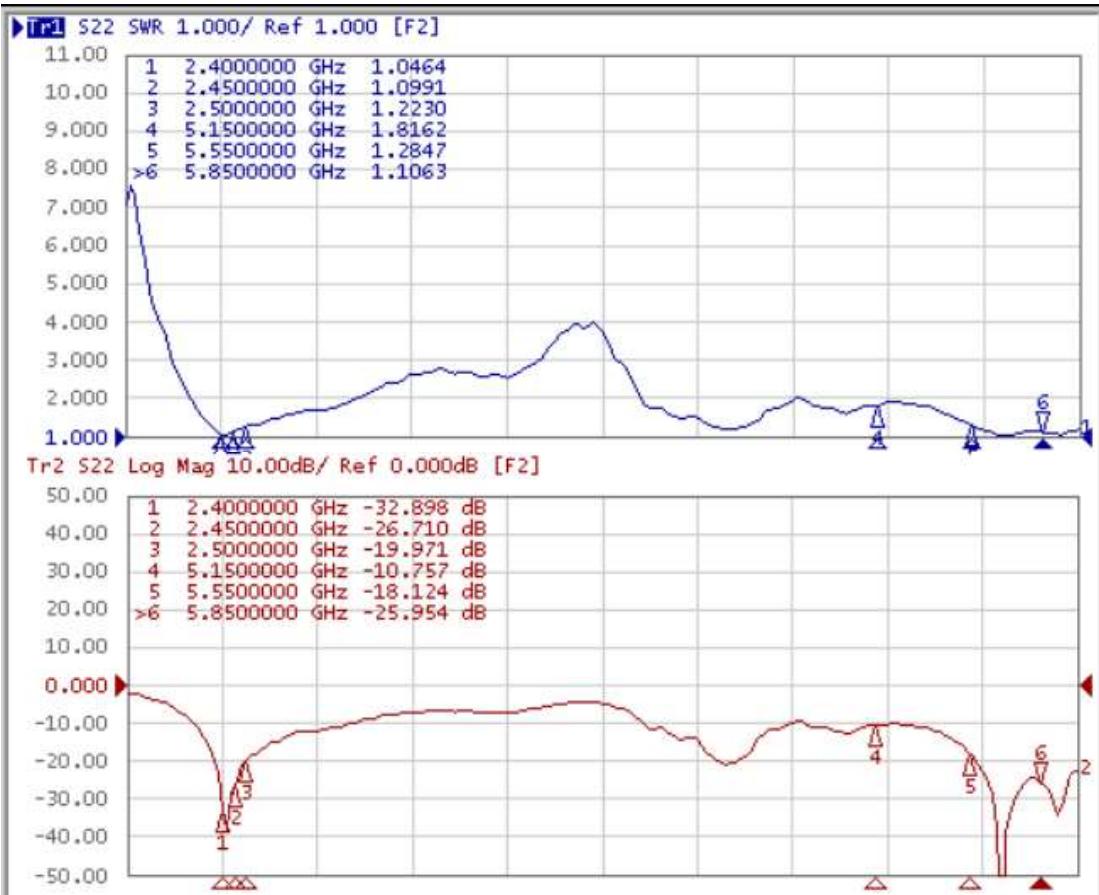
Item	Description
Antenna Type	Dipole
Frequency Range	2.4-2.5GHz & 5.15-5.85GHz
Feed Impedance	50 ohms
VSWR	<2
Efficiency	~75%@2GHz Band ~70%@5GHz Band
Peak Gain	Max 3.0dBi@2GHz Max 3.0dBi@5GHz
Connector Type	I-PEX(20670-001R-13)

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



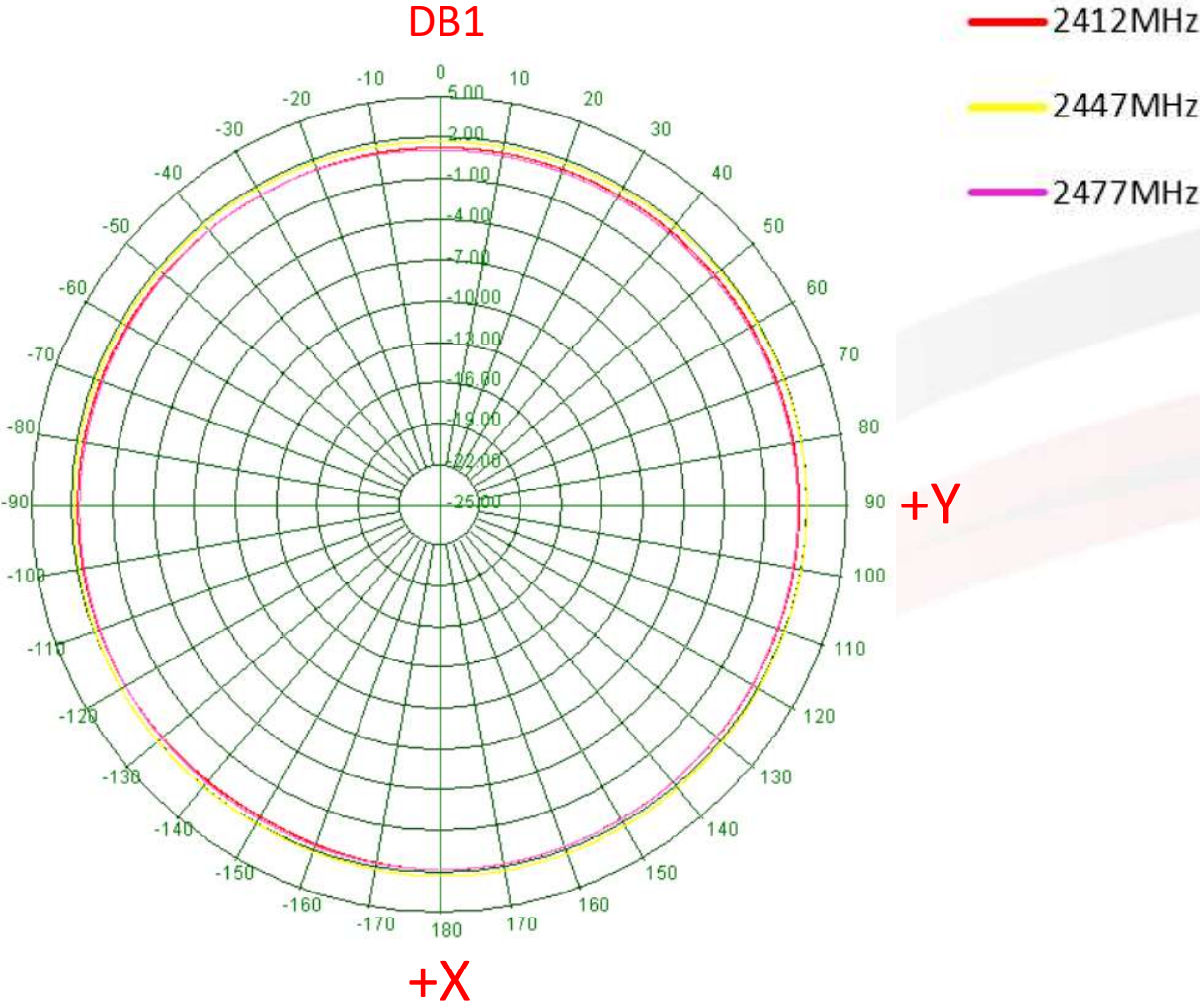
W E ' R E M A K I N G W A V E S ™

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)



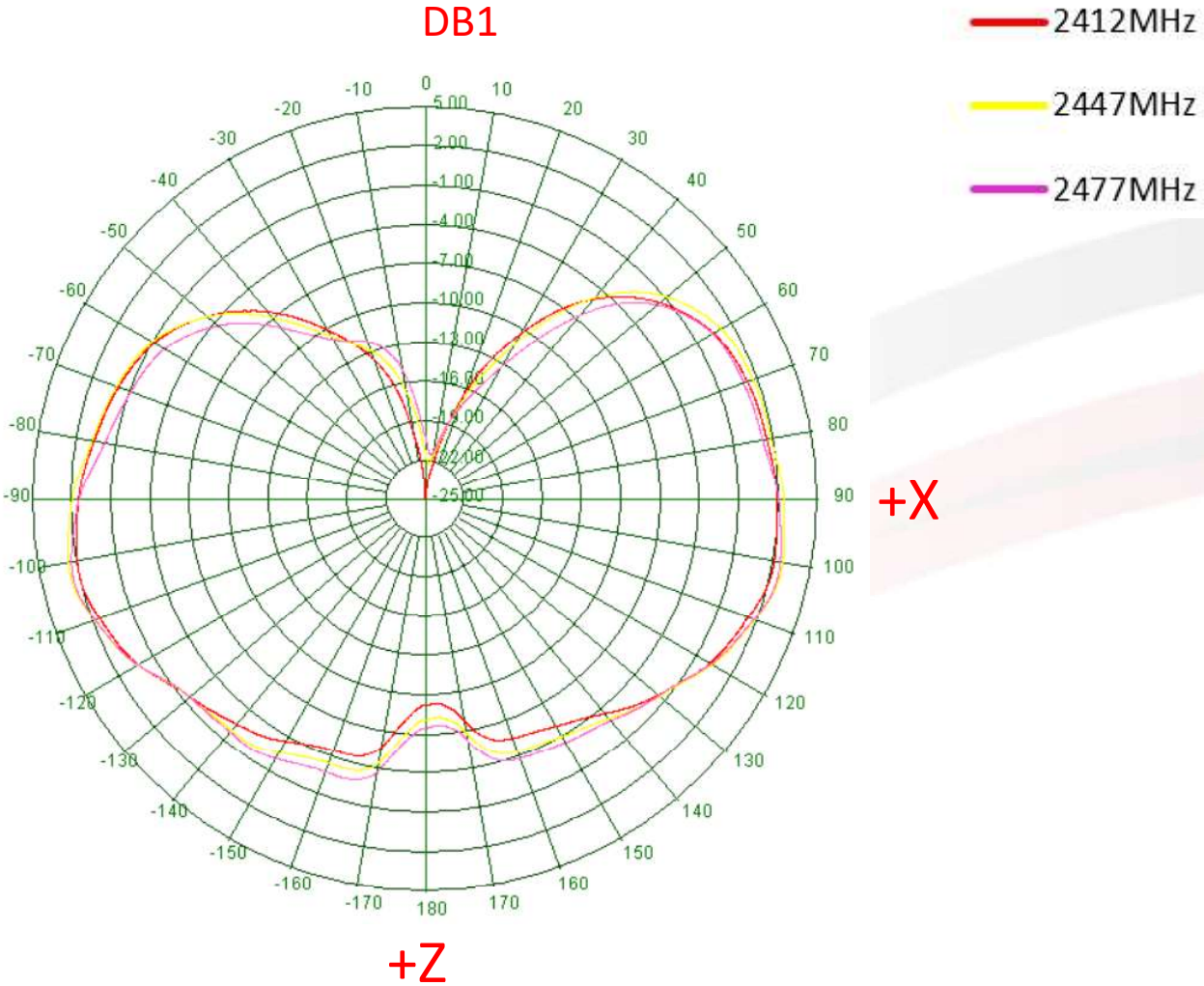
W E ' R E M A K I N G W A V E S ™



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



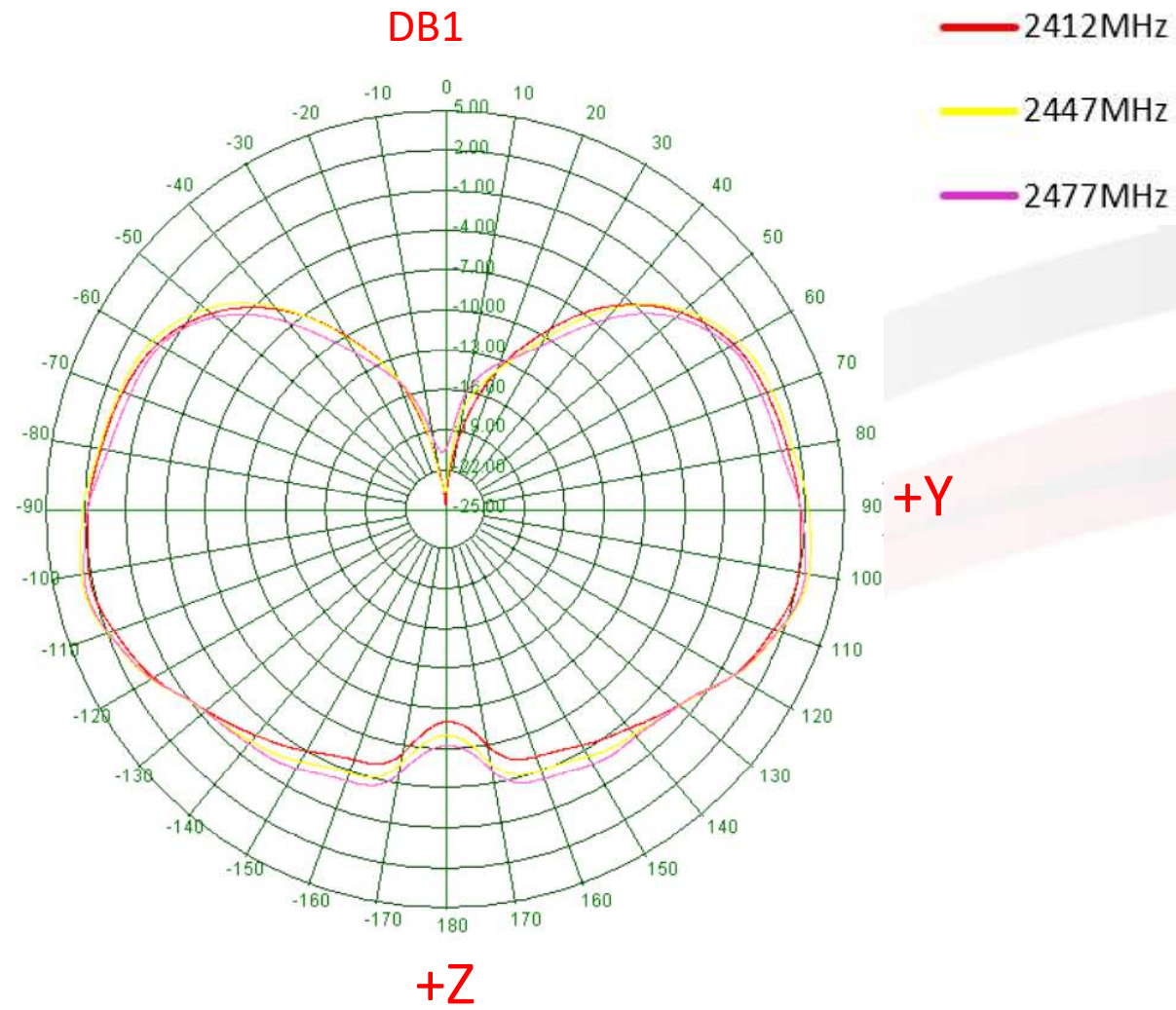
W E ' R E M A K I N G W A V E S ™



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



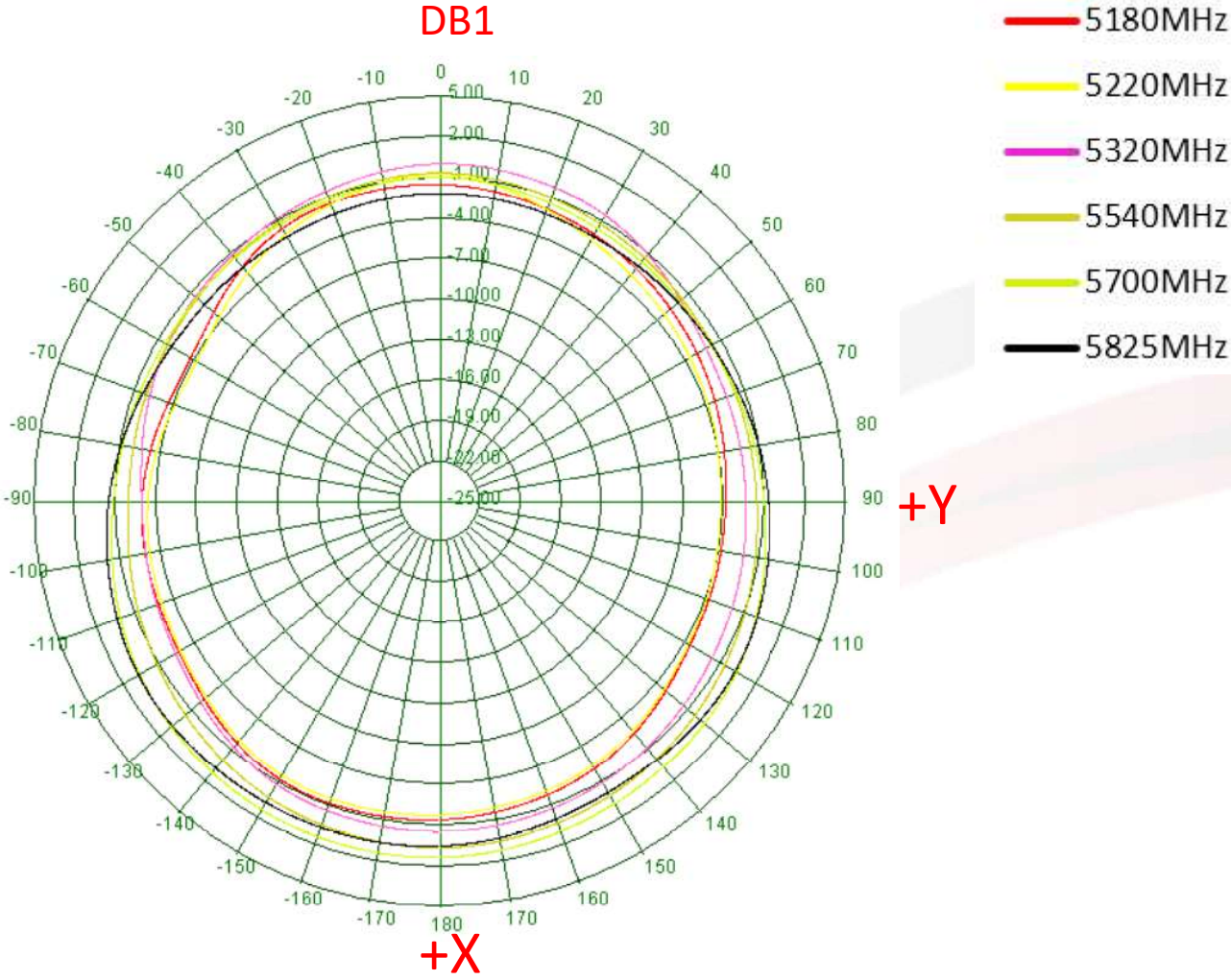
W E ' R E M A K I N G W A V E S ™



Power Sum-5GHz Band- Azimuth(XY)



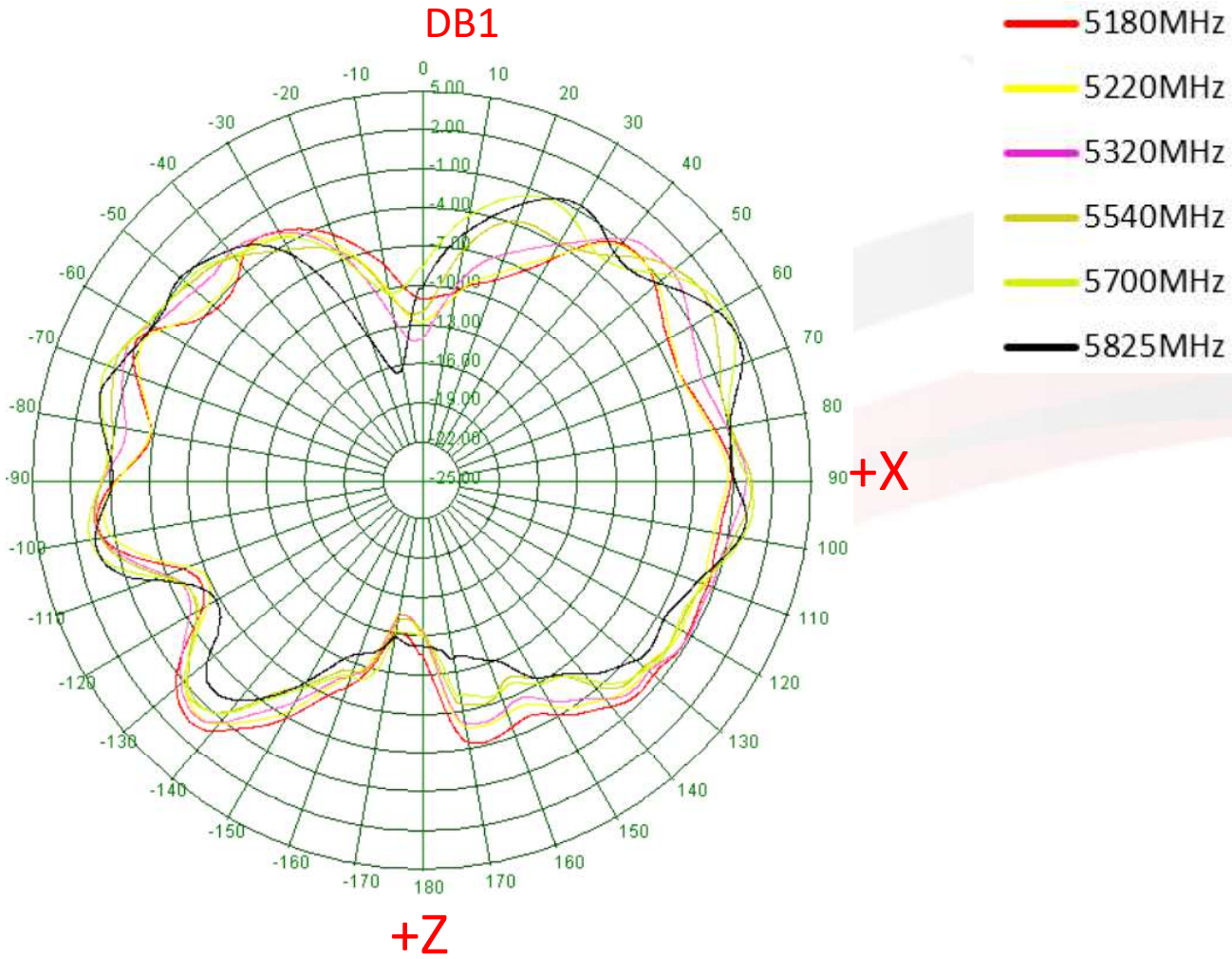
W E ' R E M A K I N G W A V E S ™



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 ™

