

加利电子（无锡）有限公司

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零件承认书

SPECIFICATION FOR APPROVAL

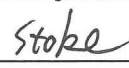
REV NO.	DATE	DESCRIPTION
S1	2020.3.12	First release
S2	2020.4.13	Cable length change shorten 5mm
S3	2020.4.24	Update Shipping packaging and add VSWR
A	2020.5.6	Cable length extended to 110 mm

P/N of Galtronics

P/Ns of Netgear

02102140-07260-1

403-10285-01

APPROVED BY	SIGNATURE	DATE
Engineering Department Manager		2020.5.7
Mechanical Engineer		2020.5.7
RF Engineer		2020.5.7
Customer Approval		

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1. Antenna Description

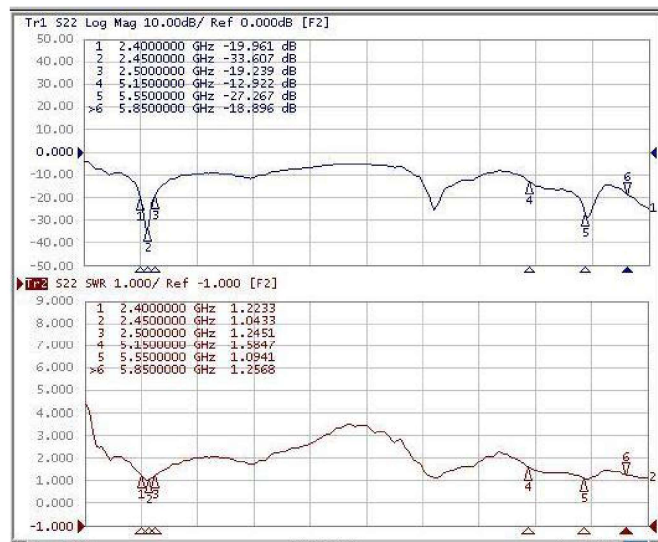
Item	Description
Antenna Type	Dipole
Antenna Description	Antenna Dimension: ϕ 7.2mm*55.8mm
	Outgoing Cable Length: 110 mm
Photos	

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



DB2
02102140-07260-1

Antenna Gain and Radiation Efficiency



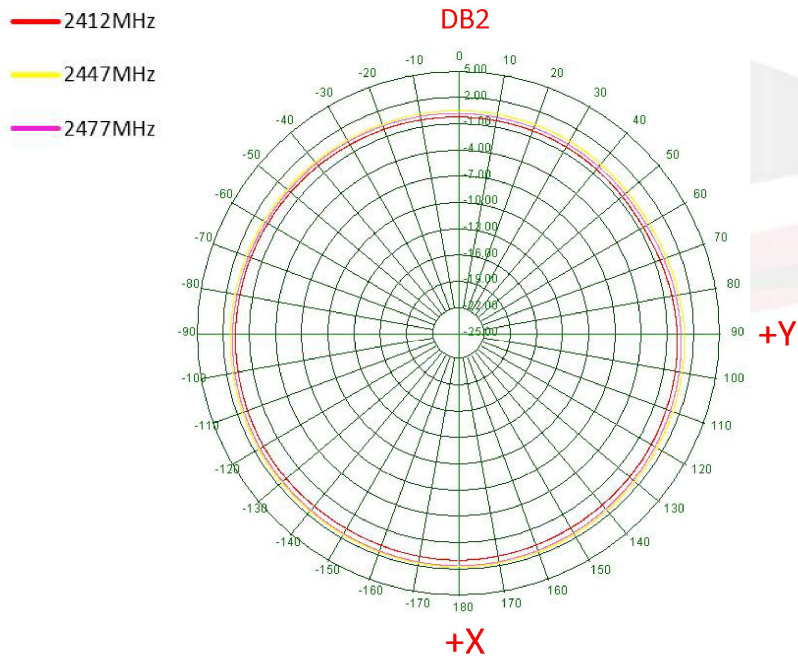
W E ' R E M A K I N G W A V E S ™

Frequency(GHz)	2412	2447	2477	5180	5220	5320	5540	5700	5825
Efficiency(%)	77.12	80.17	85.54	83.58	77.56	89.90	79.45	76.02	79.53
Peak Gain(dBi)	1.13	1.76	1.65	3.00	2.19	2.45	2.64	2.93	2.41

Power Sum-2.4GHz Band- Azimuth(XY)



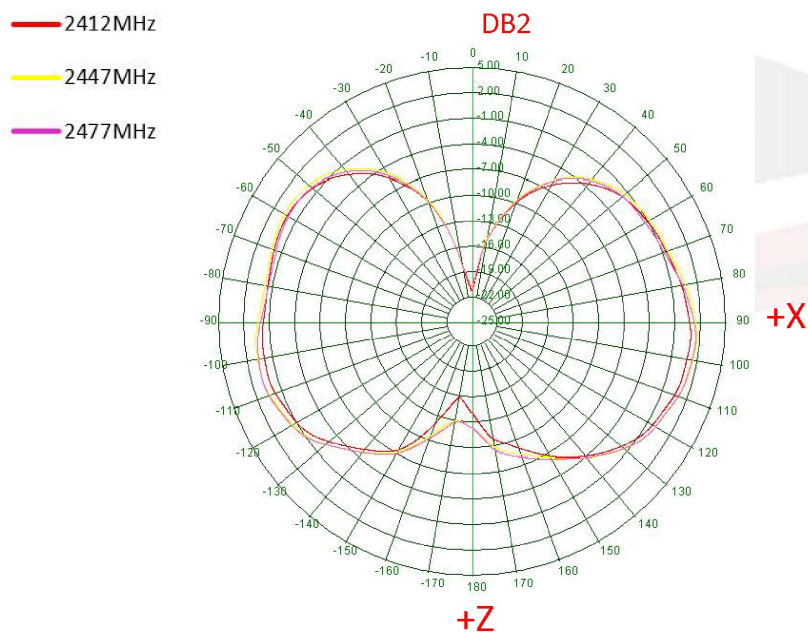
WE'RE MAKING WAVES™



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



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

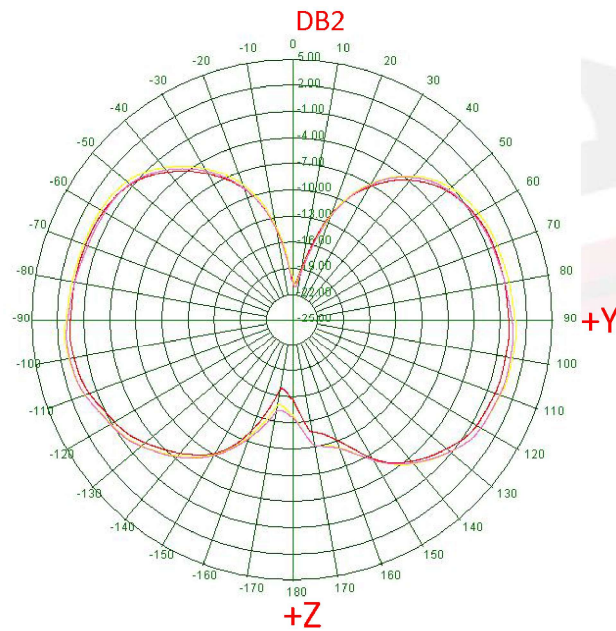


W E ' R E M A K I N G W A V E S ™

— 2412MHz

— 2447MHz

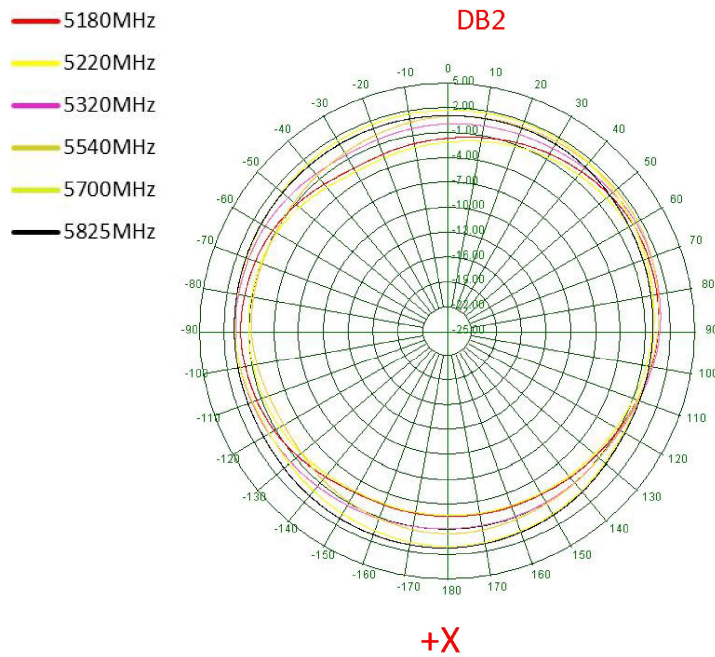
— 2477MHz



Power Sum-5GHz Band- Azimuth(XY)



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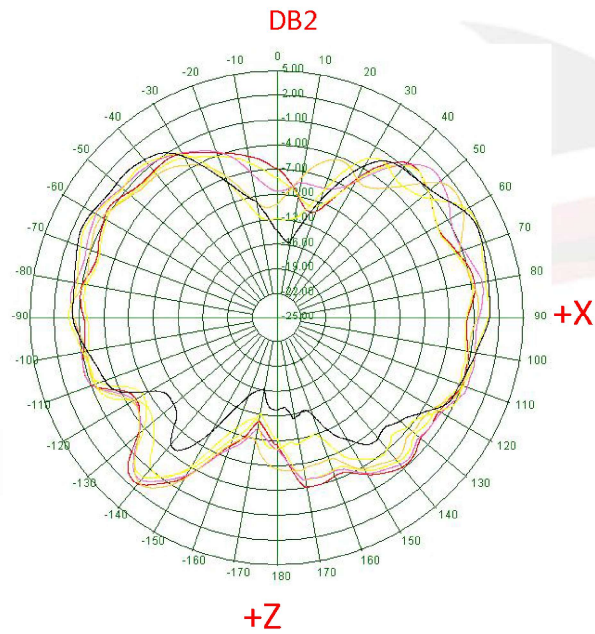


Power Sum-5GHz Band- Elevation Cut (ZX)



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- 5180MHz
- 5220MHz
- 5320MHz
- 5540MHz
- 5700MHz
- 5825MHz



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



W E ' R E M A K I N G W A V E S TM

