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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 8mm
S3	2020.4.24	Update Shipping packaging and add VSWR
A	2020.5.6	Cable length reduced to 40 mm

P/N of Galtronics

P/Ns of Netgear

02102140-07260-2

403-10284-01

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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Document: 7260-2

Form No.: FM016

Rev D

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1. Antenna Description

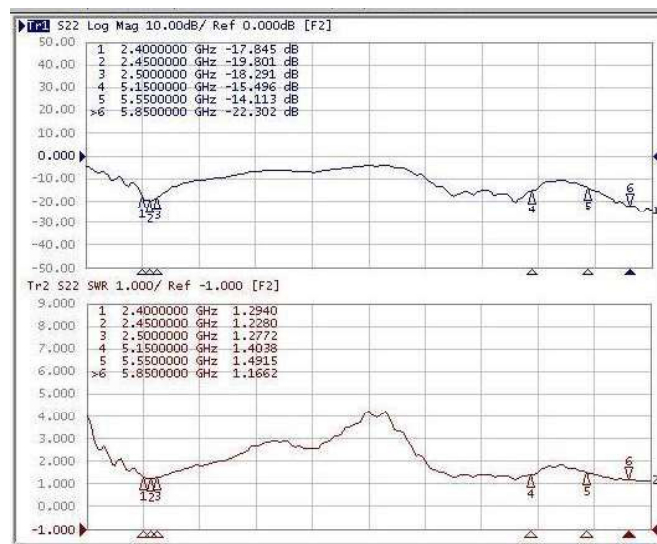
Item	Description
Antenna Type	Dipole
Antenna Description	Antenna Dimension: ϕ 7.2mm*55.8mm
	Outgoing Cable Length: 40mm
Photos	

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



DB1
02102140-07260-2

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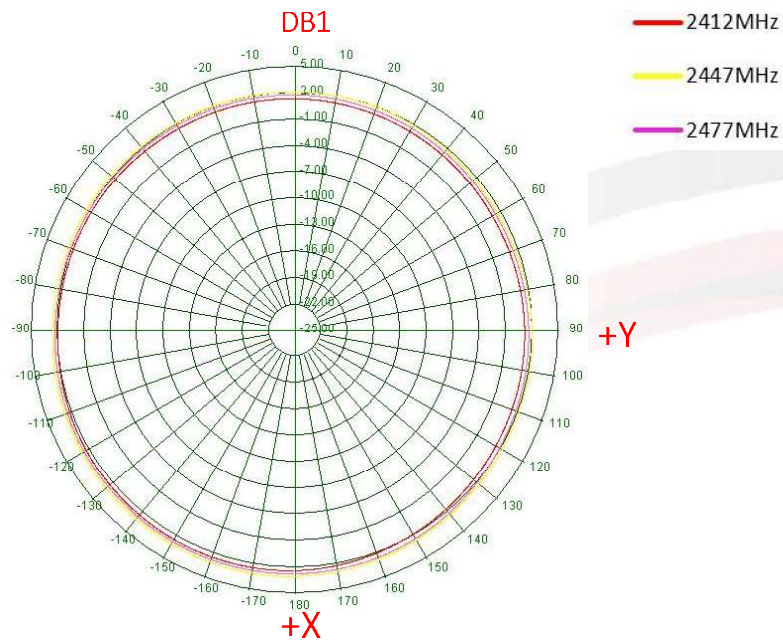
Antenna Gain and Radiation Efficiency



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(%)	77.22	82.07	89.4	86.2	83.47	88.49	81.11	83.23	80.22
Peak Gain(dBi)	2.66	2.98	2.82	3.00	2.76	2.89	2.52	2.96	2.95

Power Sum-2.4GHz Band- Azimuth(XY)

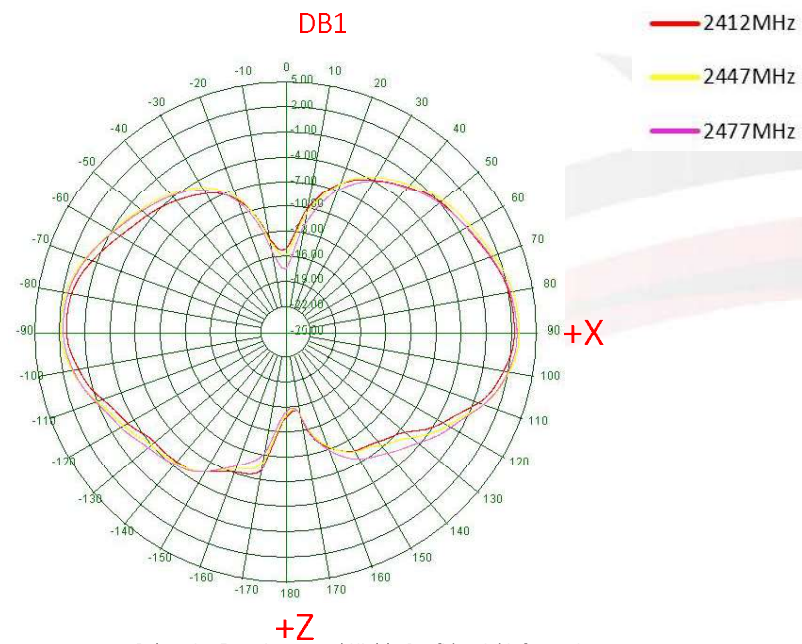


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Power Sum-2.4GHz Band- Elevation Cut (ZX)

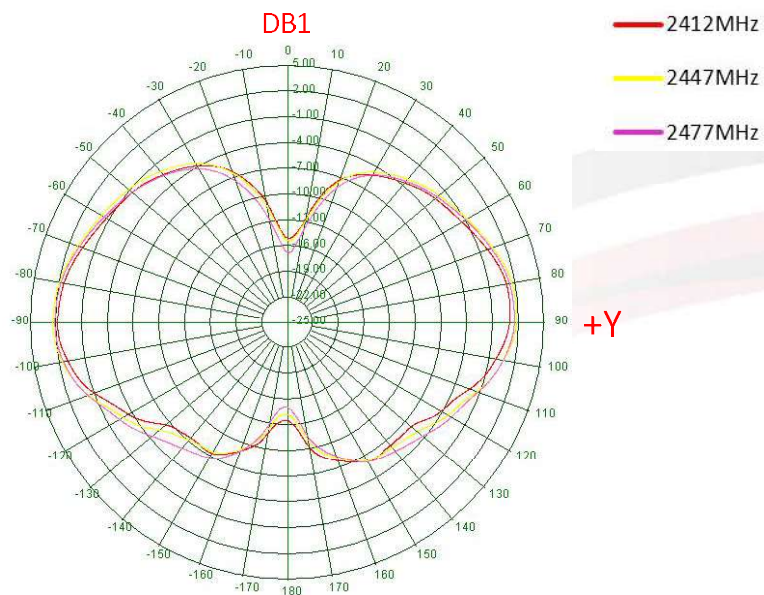


W E ' R E M A K I N G W A V E S ™



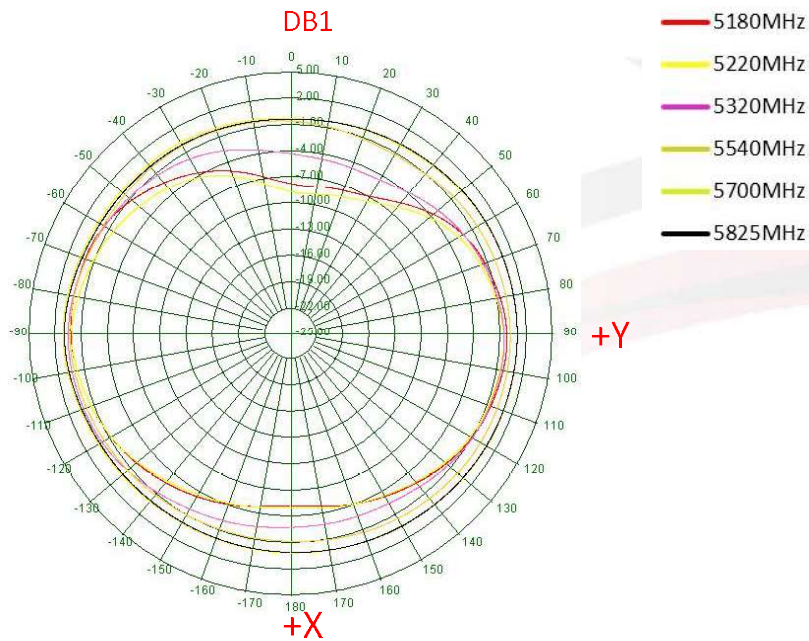
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Power Sum-2.4GHz Band- Elevation Cut (ZY)



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Power Sum-5GHz Band- Azimuth(XY)

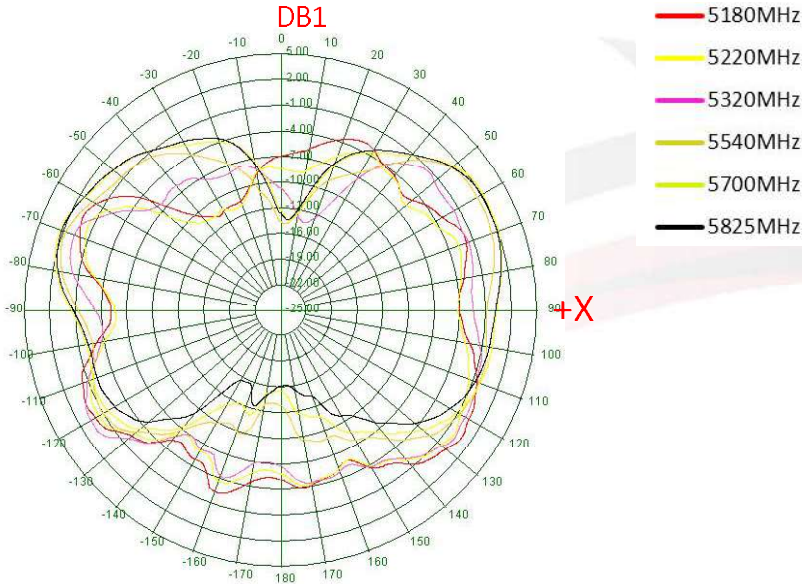


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Power Sum-5GHz Band- Elevation Cut (ZX)



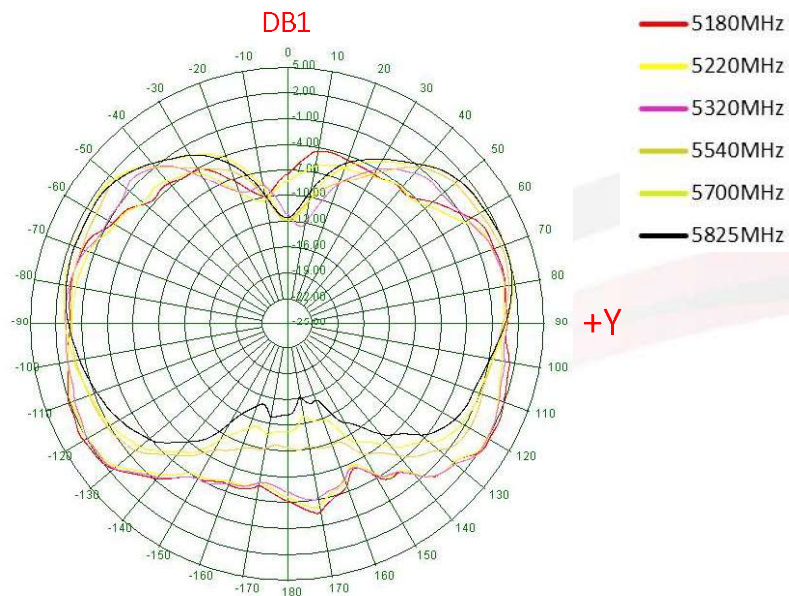
WE'RE MAKING WAVES™



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



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