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PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: MULTI BAND SWIVEL MOUNT DIPOLE 698-960&1400-1700&1710-2690MHz

Series: Blade Antenna

PART NUMBER: W5095X



W5095 W5095K

Features:

- 698-2690MHz
- Gain 1-2.5dBi
- IP65
- Total length 229mm (straight)
- Total length 197.5mm (bent)
- Width 30.5mm
- Connector options:
  - W5095 TNC male
  - W5095K SMA male

Applications:

- LTE radios
- 2G/3G/4G radios
- Gateways, set top boxes, security
- Optimized for straight and 90deg bent positions

Issue: 1849

RoHS COMPLIANT

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For more information:

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency	698-960/1400-1700/1710-2690	MHz
Nominal Impedance	50	Ω
VSWR	2.5:1@698-960MHz 3:1@1400-1700MHz 2.5:1@1710-2690MHz	
Gain (698-960MHz)	1.0	dBi+/- 1dB
Gain (1400-2170MHz)	1.07	dBi+/- 1dB
Gain (2300-2500MHz))	1.48	dBi+/- 1dB
Gain (2500-2690MHz))	2.16	dBi+/- 1dB
Average Efficiency(698-960MHz)	60	%
Average Efficiency(1400-2170MHz)	65	%
Average Efficiency(2300-2500MHz)	70	%
Average Efficiency(2500-2690MHz)	85	%
Horizontal Plane	OMNI	
Polarization	Vertical	
Power withstanding	3	W
Connector type	TNC male (SMA male is optional)	
Connector Options	W5095 TNC male connector W5095K SMA male connector	

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MECHANICAL SPECIFICATIONS

Plastic radome	ABS/PC	
Color	Black	
Flammability	UL94-V0	
Ingress Protection	IP65	
Weight	50	g
Wind-loading	100	mph
Overall Length	9[229]	INCHES[mm]
Position	0°, 45° & 90°	

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85	° C
Storage Temperature	-40/+85	° C
Salt mist	96	hours

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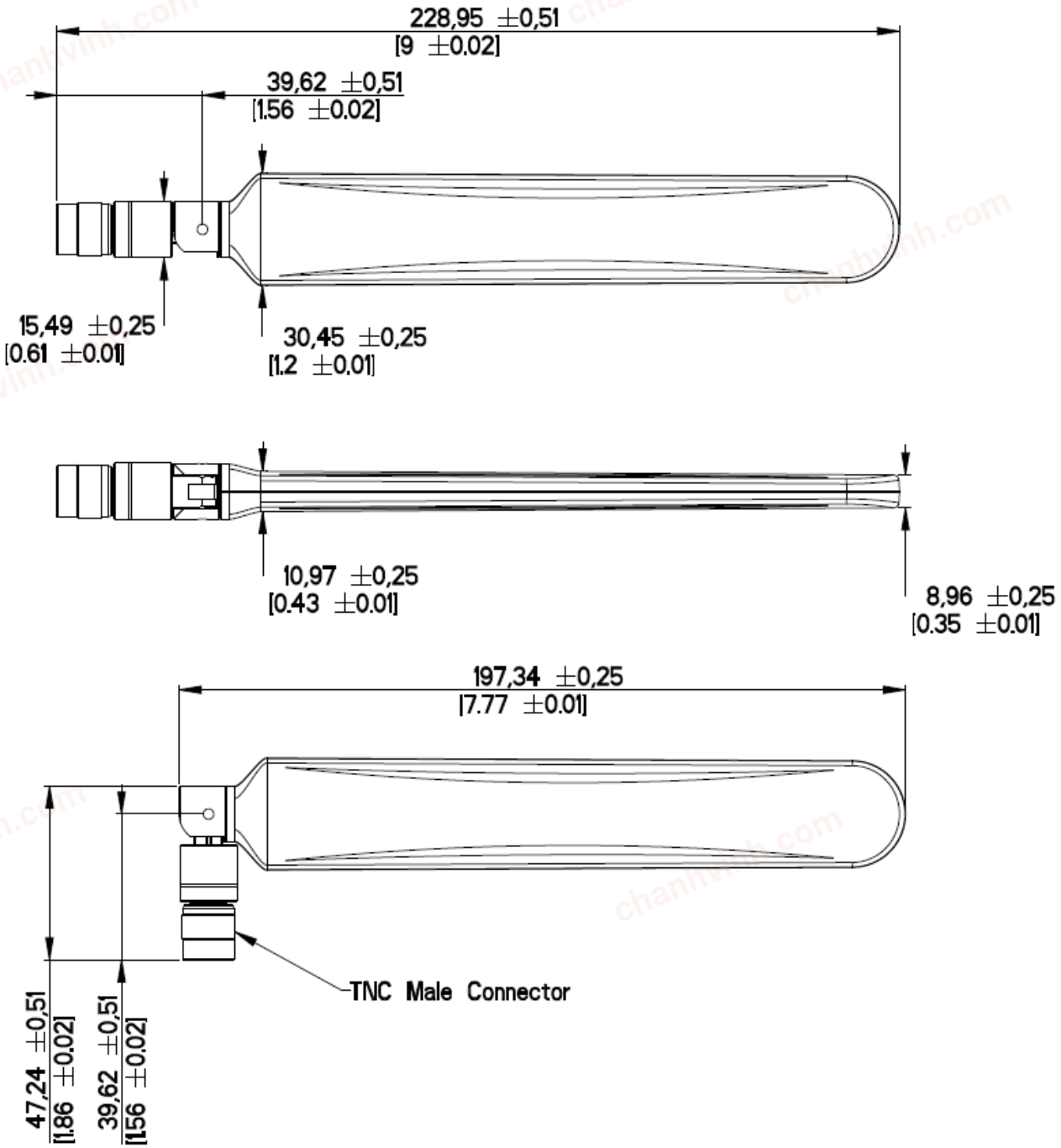
Description: MULTI BAND SWIVEL MOUNT DIPOLE 698-960&1400-1700&1710-2690MHz

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PART NUMBER: W5095X

MECHANICAL DRAWING

W5095 TNC male connector



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PulseLARSEN Antennas

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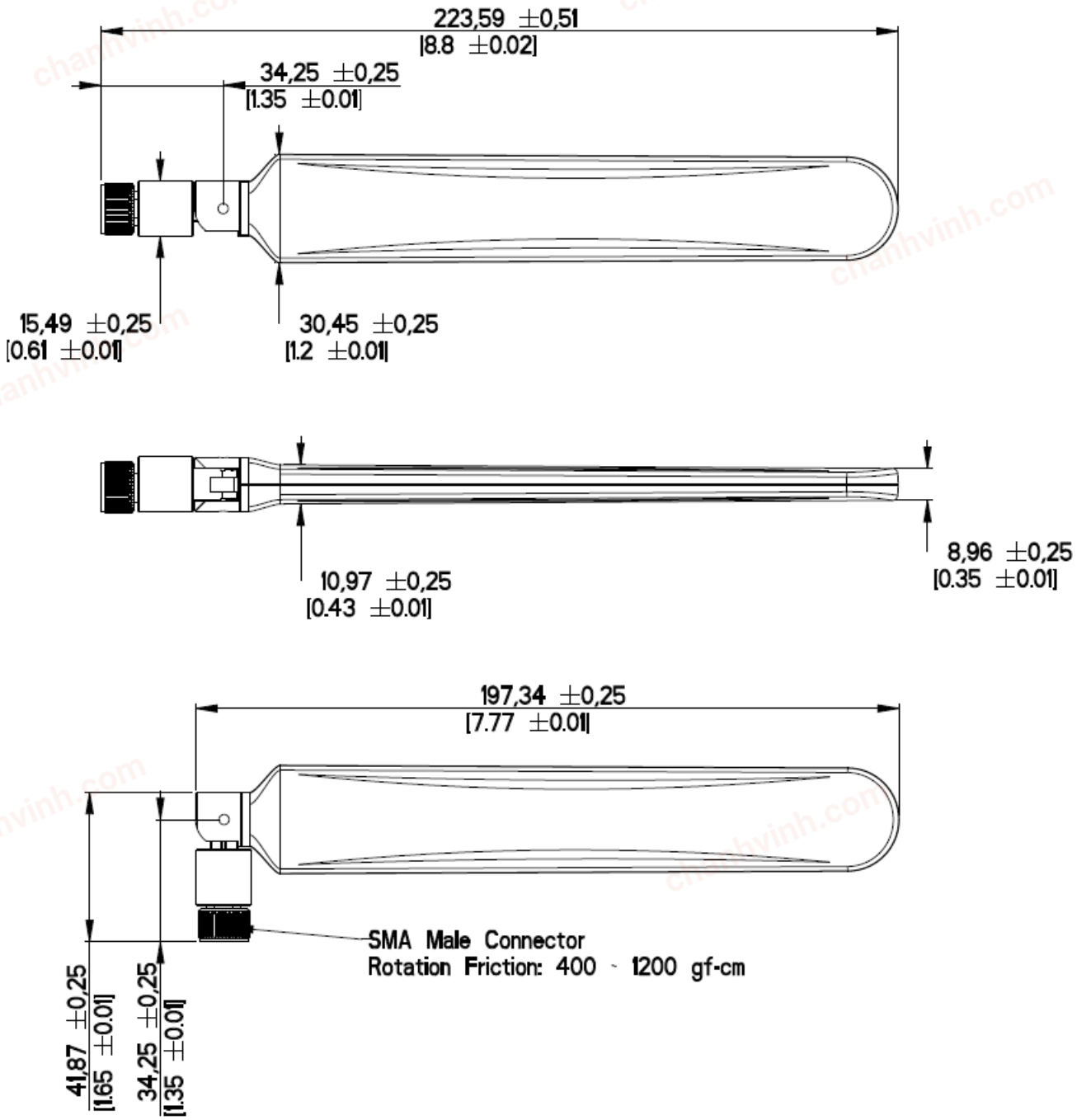
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MECHANICAL DRAWING

W5095K SMA Male connector



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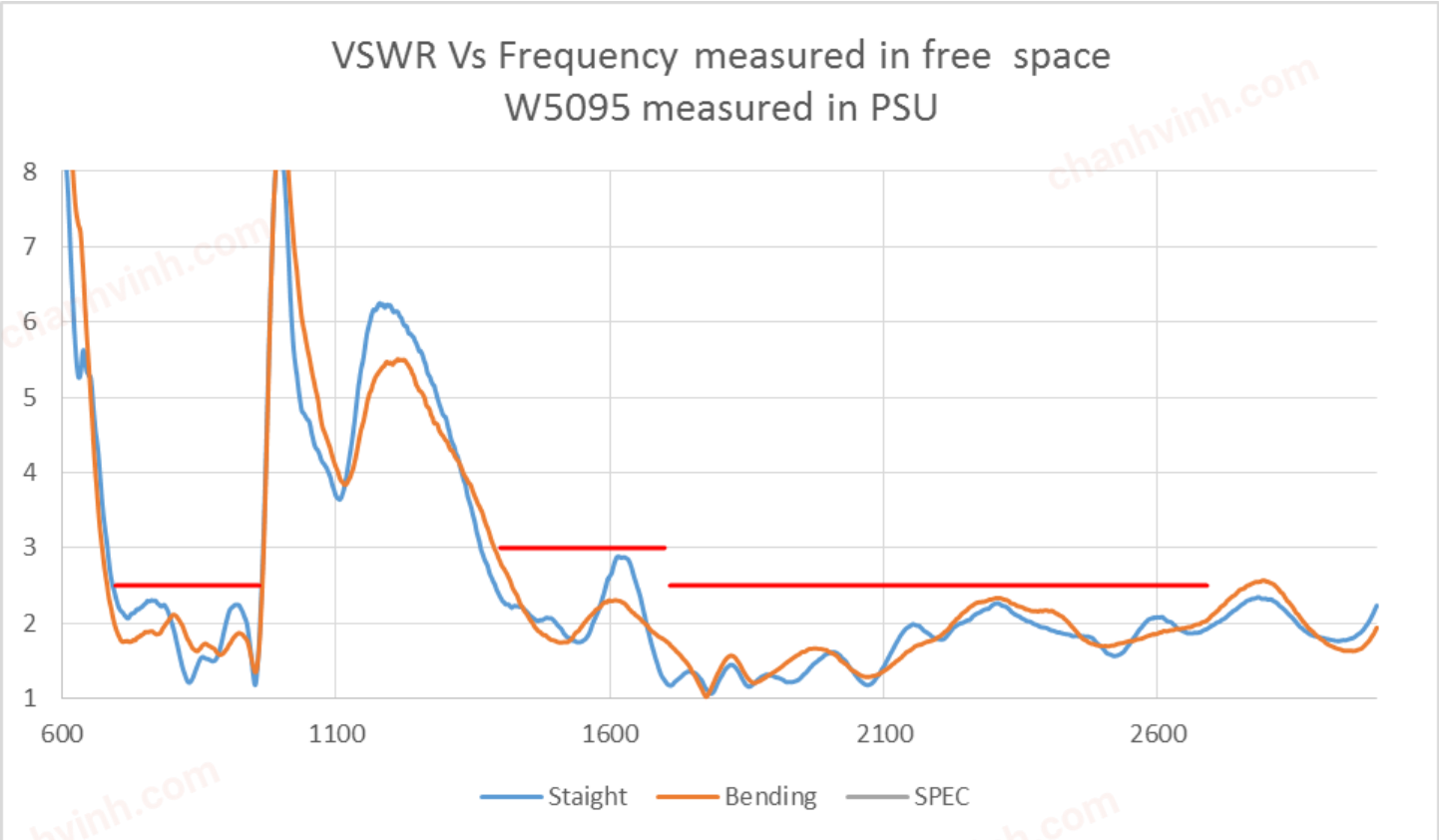
Description: MULTI BAND SWIVEL MOUNT DIPOLE 698-960&1400-1700&1710-2690MHz

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OTHER SPECIFICATIONS

VSWR



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PulseLARSEN Antennas

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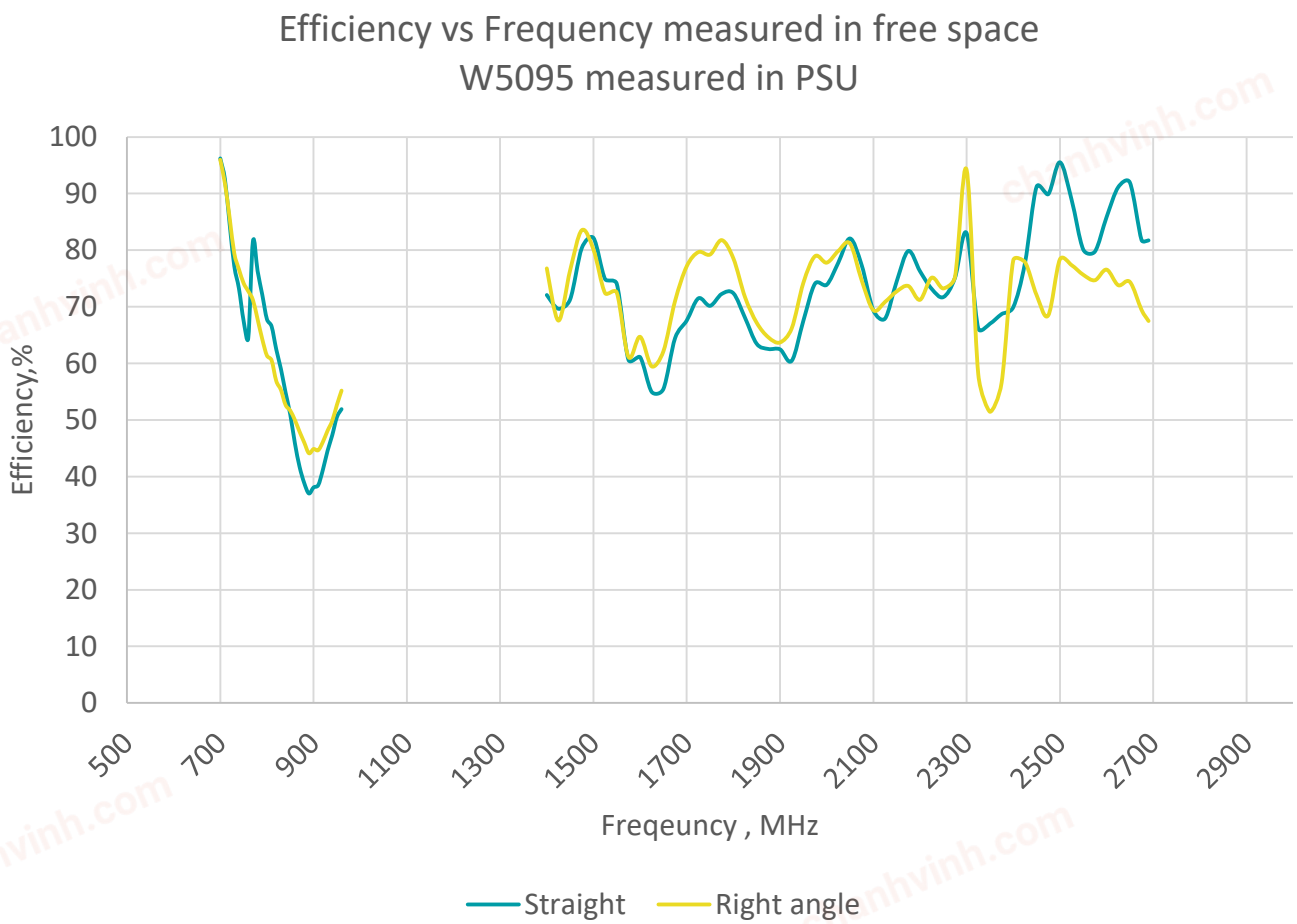
Description: MULTI BAND SWIVEL MOUNT DIPOLE 698-960&1400-1700&1710-2690MHz

Series: Blade Antenna

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CHARTS

Efficiency



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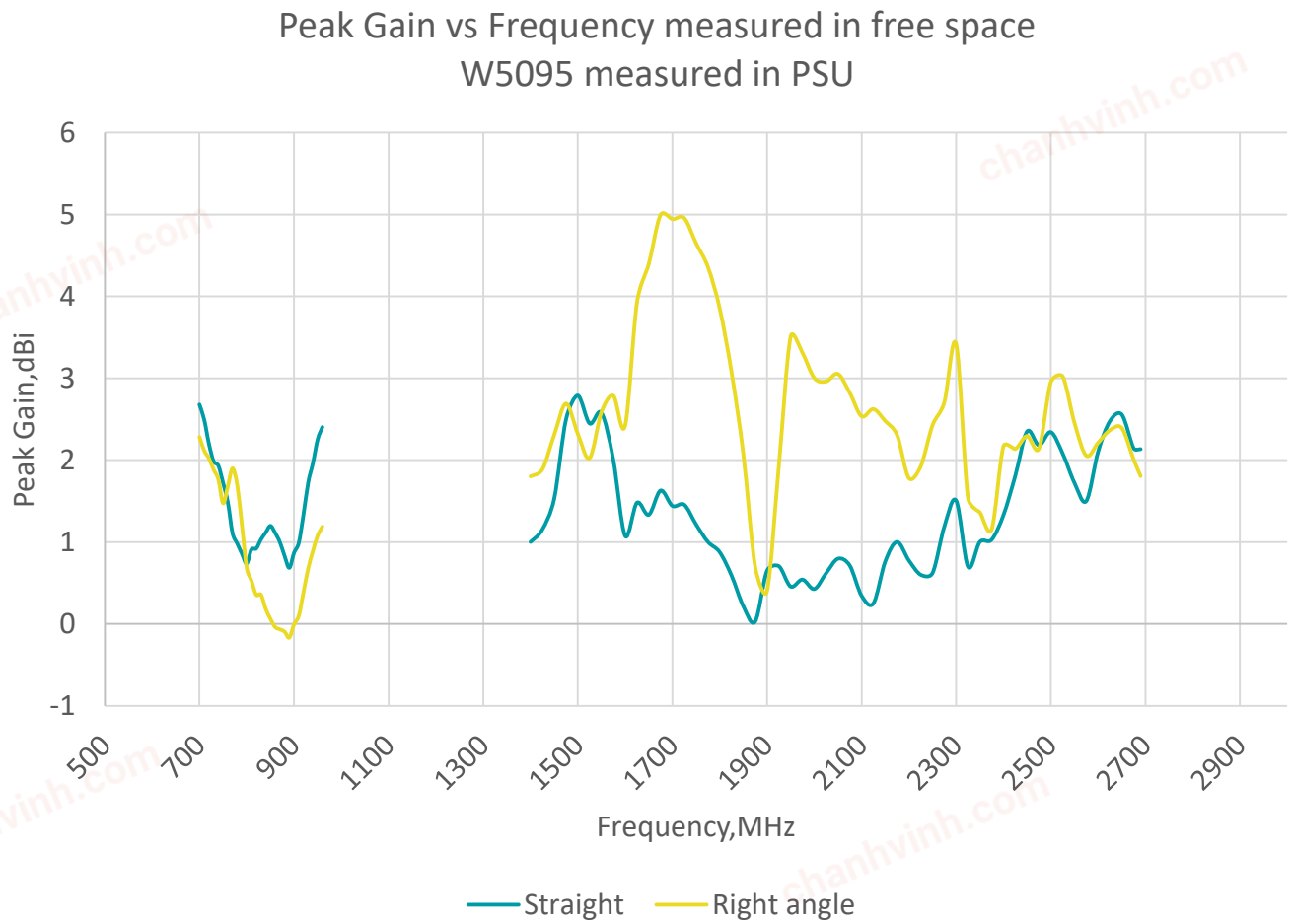
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CHARTS

Peak Gain



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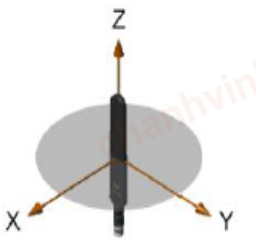
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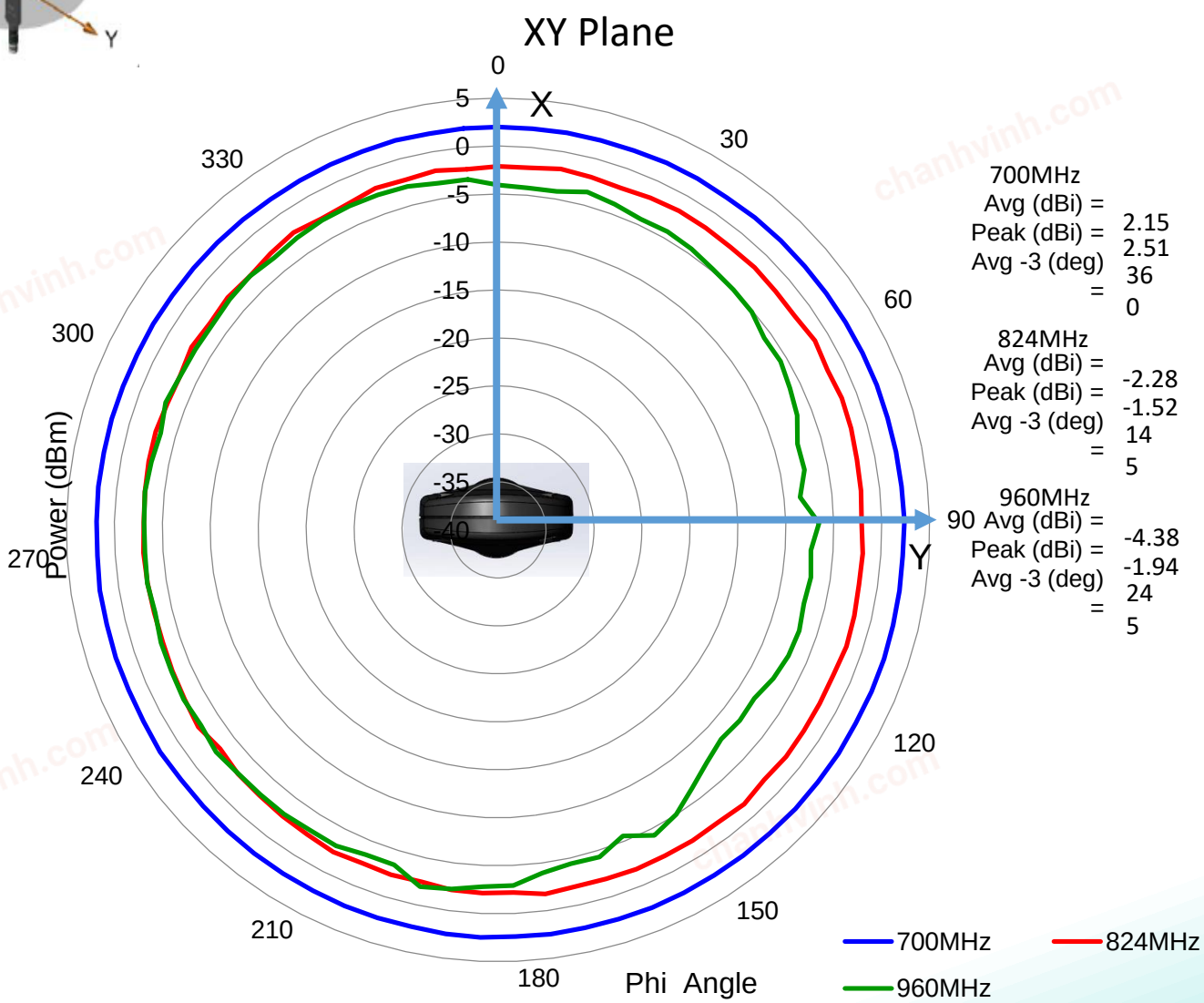
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CHARTS



Gain Plots



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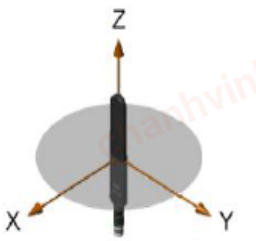
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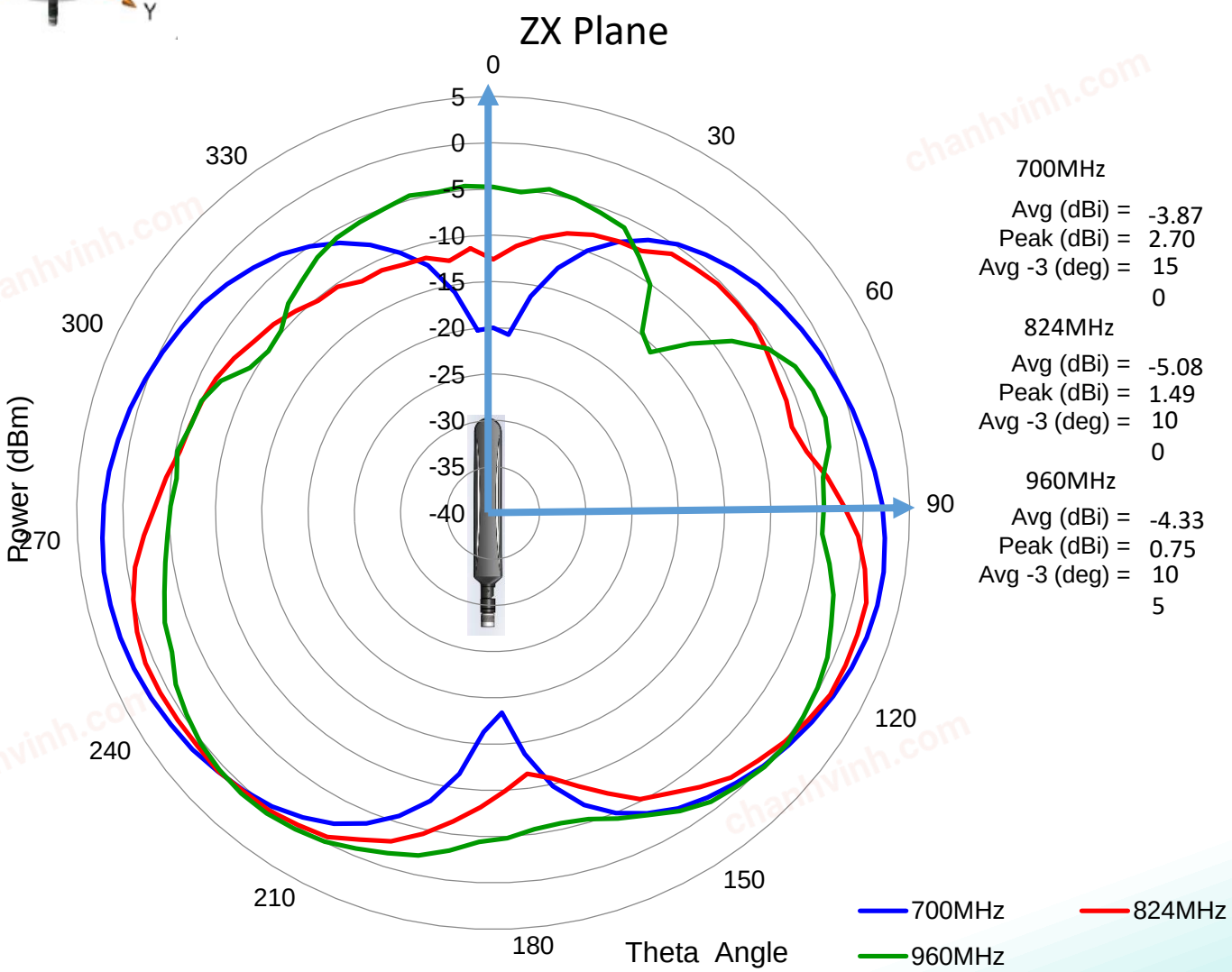
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CHARTS



Gain Plots



700MHz

Avg (dBi) =	-3.87
Peak (dBi) =	2.70
Avg -3 (deg) =	15
	0

824MHz

Avg (dBi) =	-5.08
Peak (dBi) =	1.49
Avg -3 (deg) =	10
	0

960MHz

Avg (dBi) =	-4.33
Peak (dBi) =	0.75
Avg -3 (deg) =	10
	5

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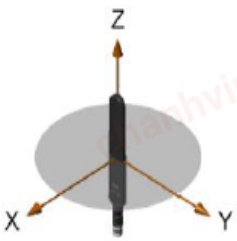
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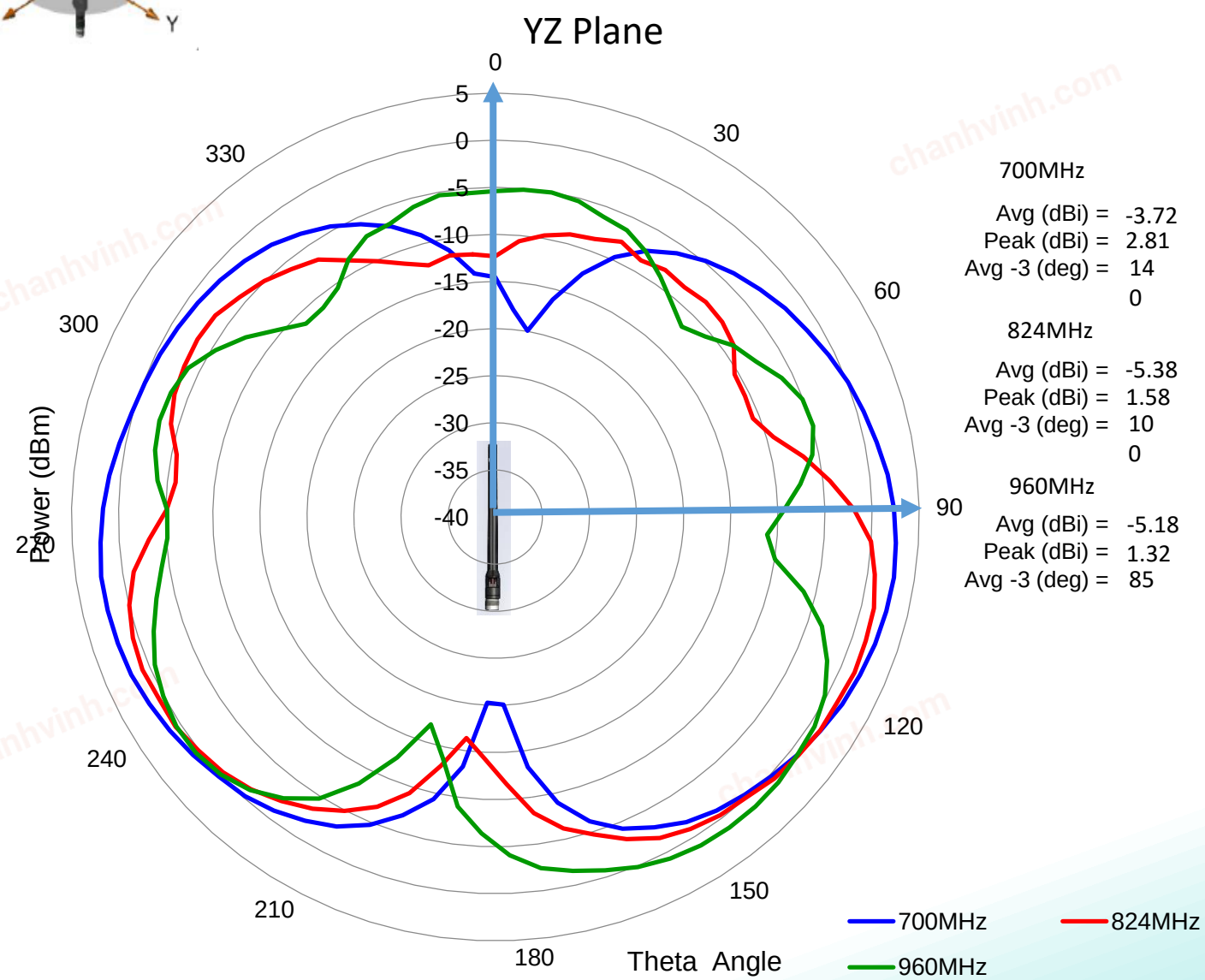
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CHARTS



Gain Plots



700MHz

Avg (dBi) =	-3.72
Peak (dBi) =	2.81
Avg -3 (deg) =	140

824MHz

Avg (dBi) =	-5.38
Peak (dBi) =	1.58
Avg -3 (deg) =	100

960MHz

Avg (dBi) =	-5.18
Peak (dBi) =	1.32
Avg -3 (deg) =	85

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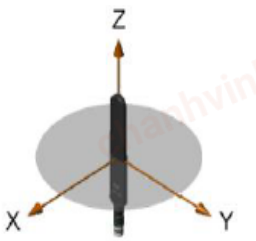
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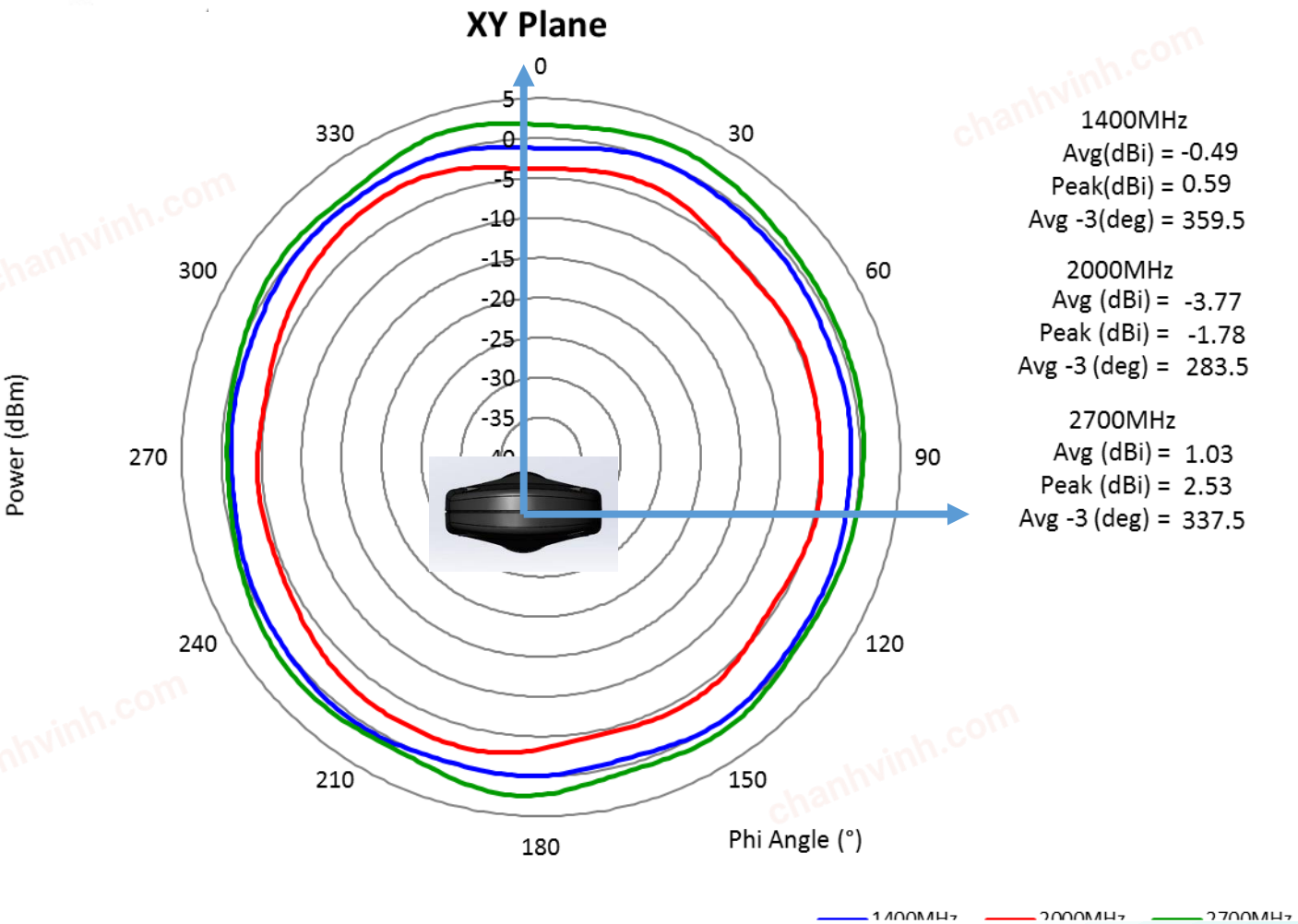
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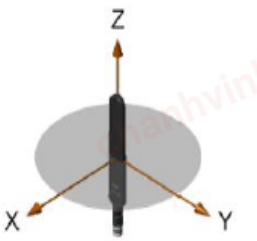
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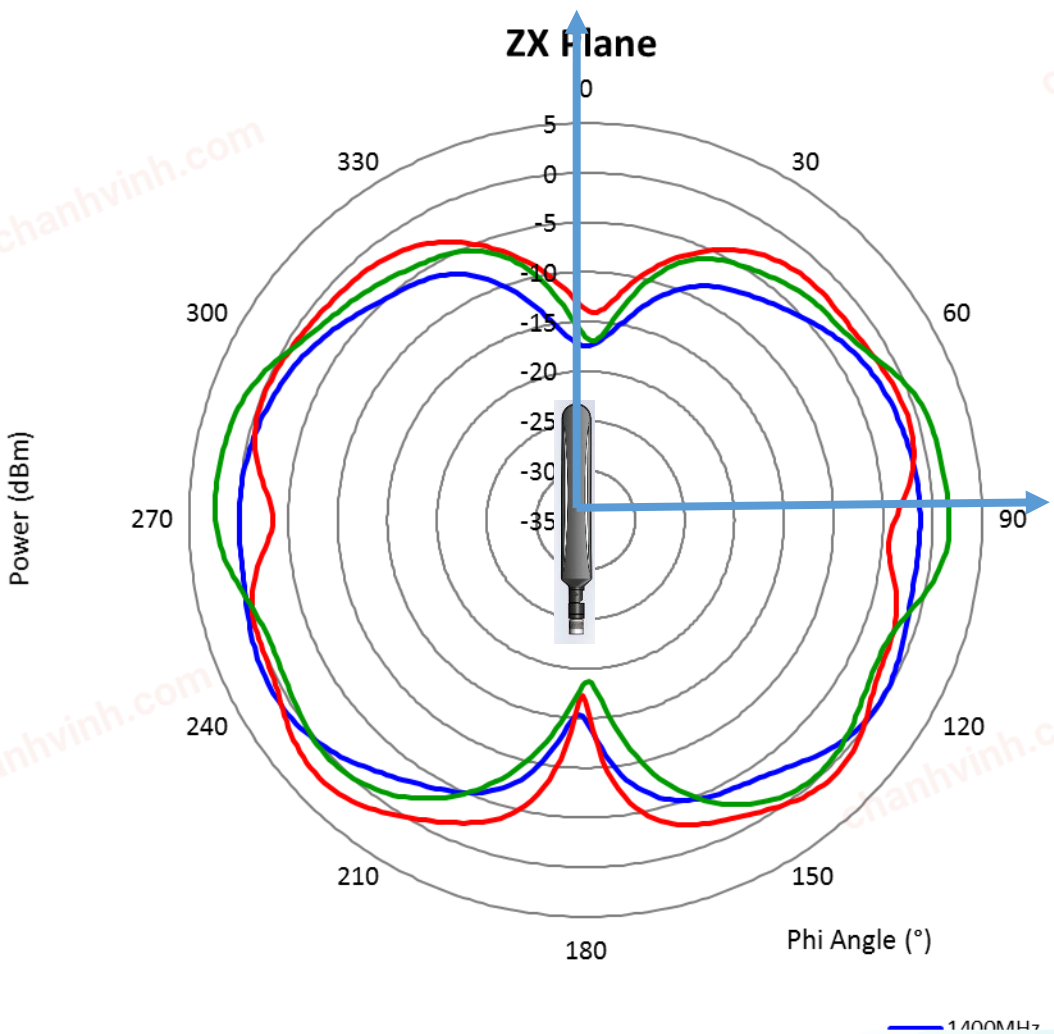
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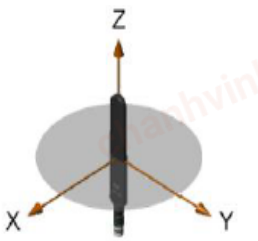
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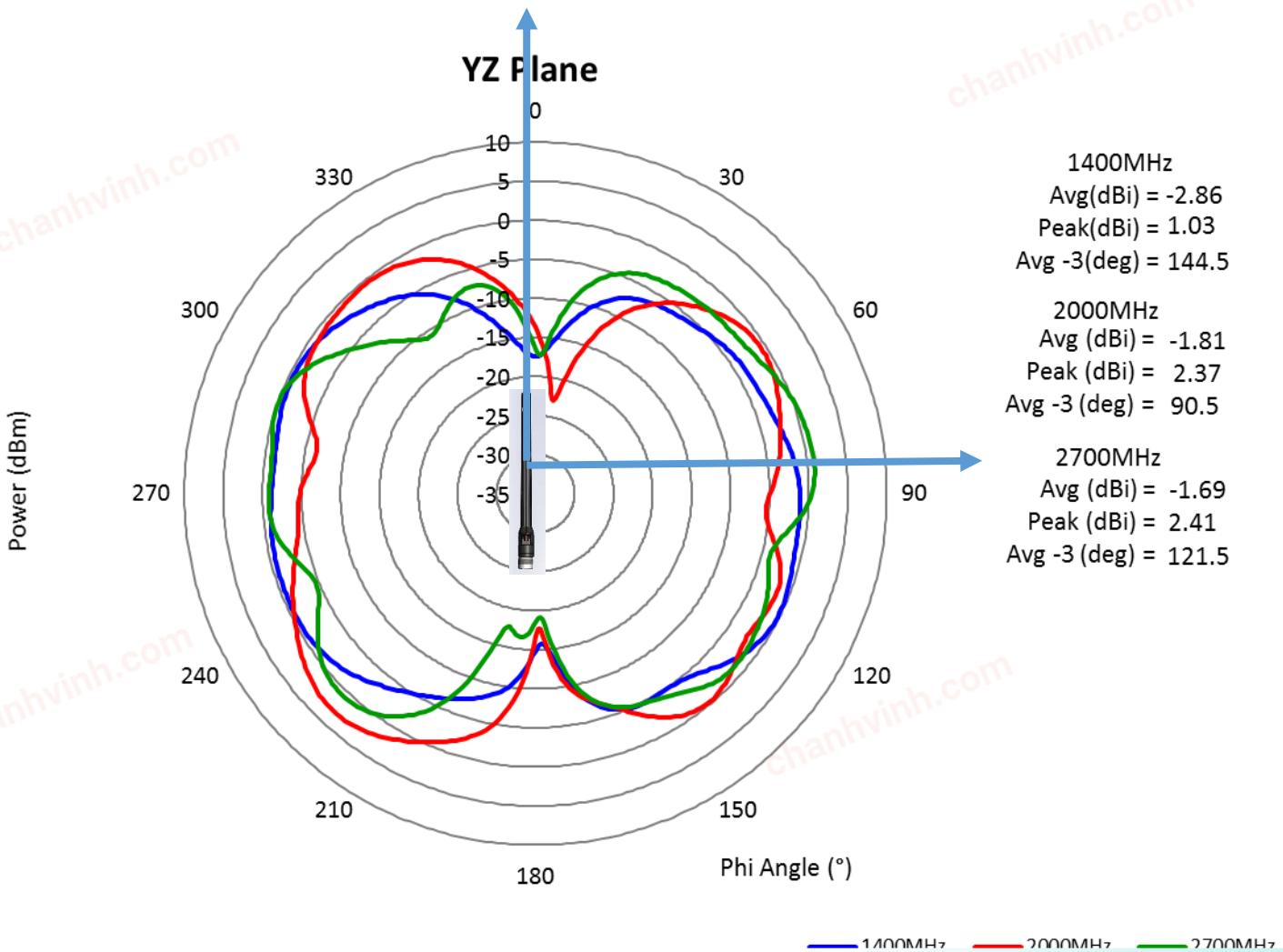
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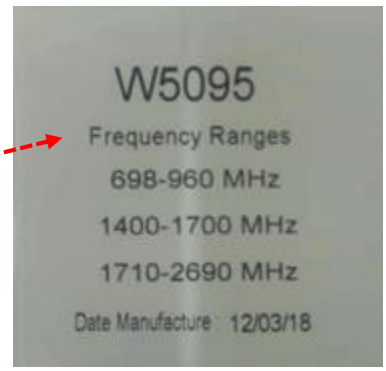
PART NUMBER: W5095X

PACKAGING

1PCS/PE bag
100PCS/Carton box

W5095 Packing













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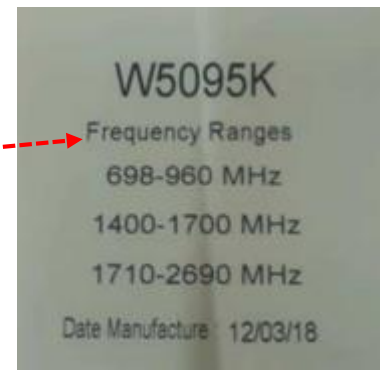
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PART NUMBER: W5095X

PACKAGING

W5095K Packing













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