

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

Series: Blade Antenna

PART NUMBER: W5095X

### 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



W5095

W5095K

Issue: 1849

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## ELECTRICAL SPECIFICATIONS

Frequency	698-960/1400-1700/1710-2690	MHz
Nominal Impedance	50	$\Omega$
VSWR	2.5:1	
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

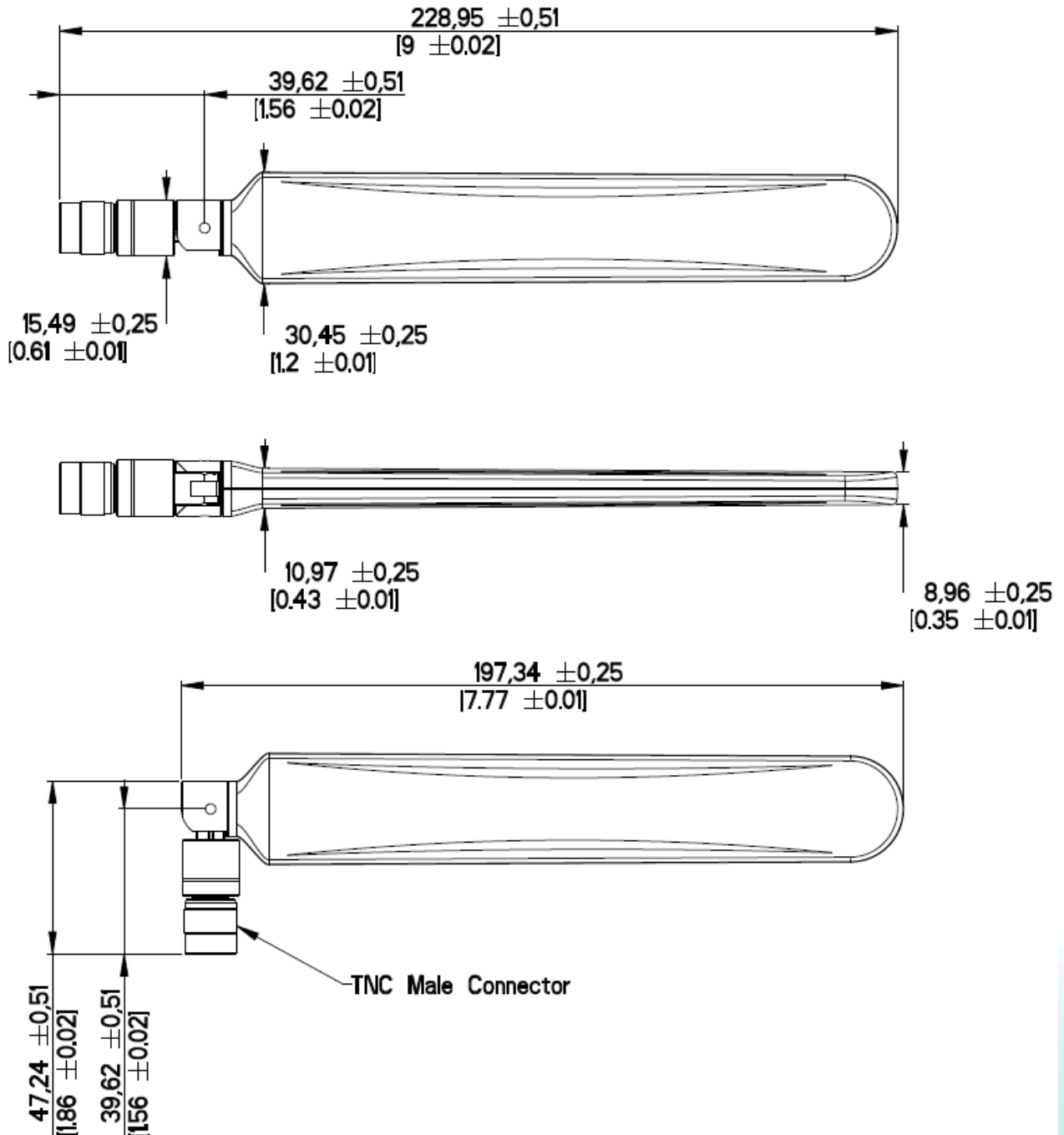
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## MECHANICAL DRAWING

W5095 TNC male connector



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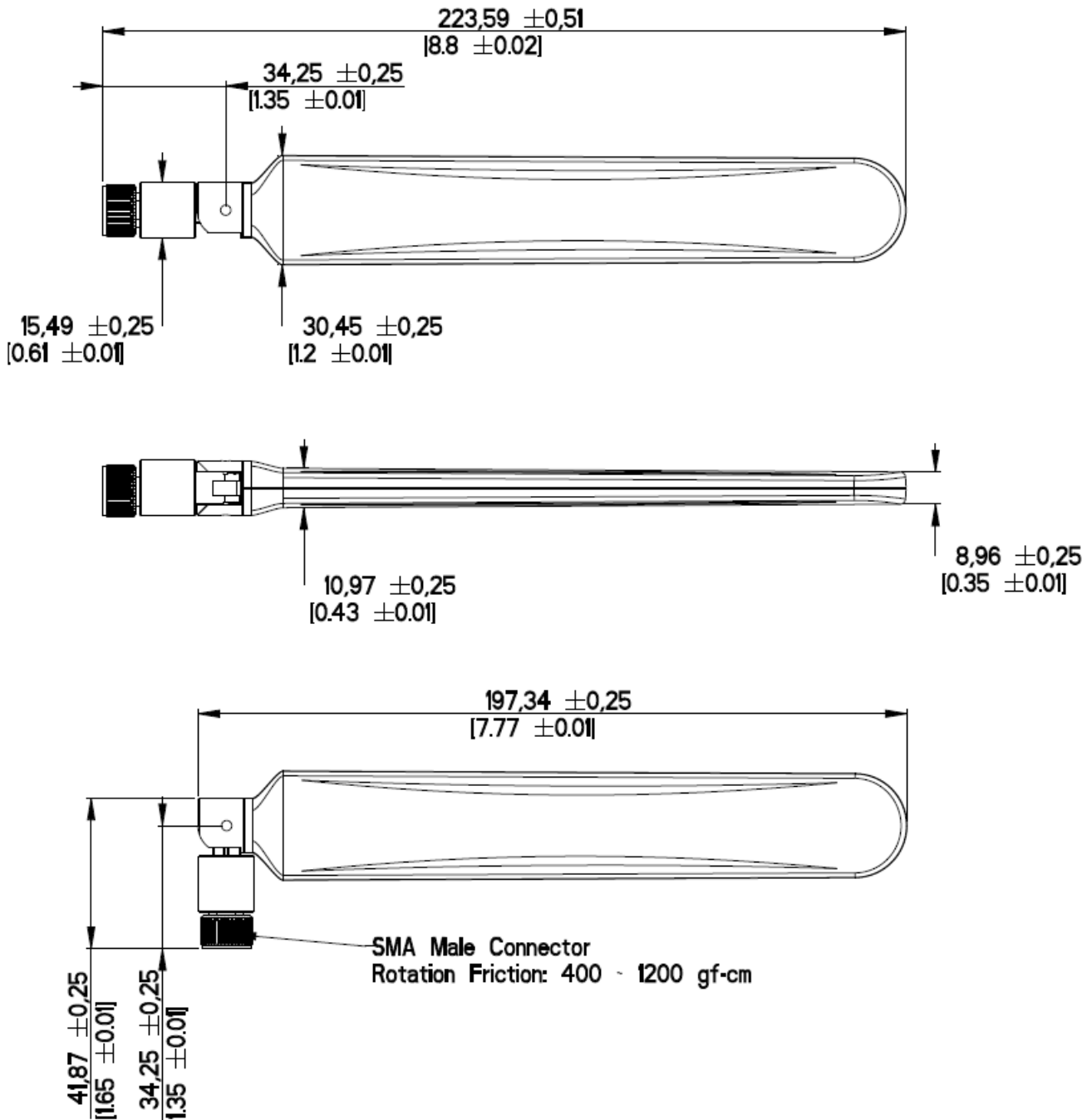
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## MECHANICAL DRAWING

W5095K SMA Male connector



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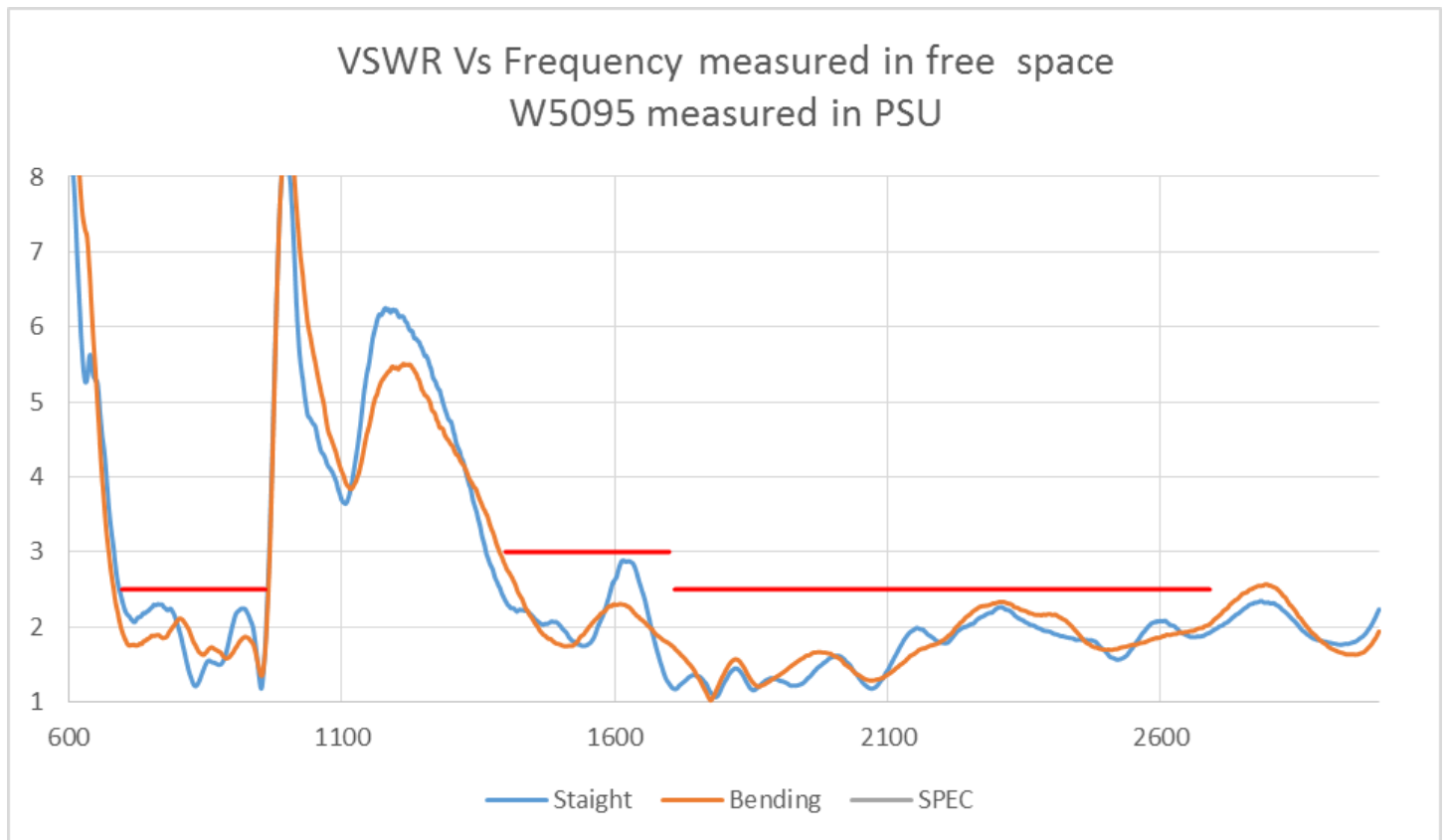
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## OTHER SPECIFICATIONS

### VSWR



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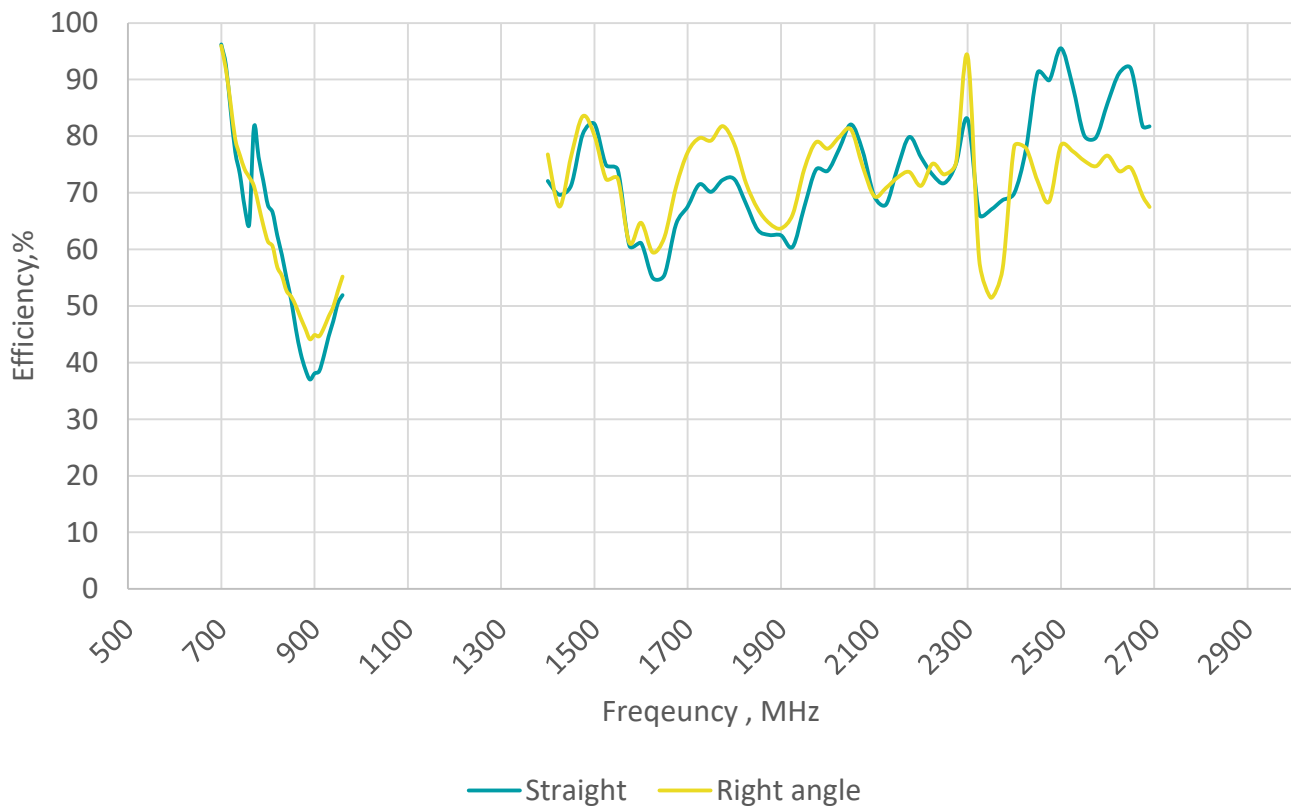
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## CHARTS

### Efficiency

Efficiency vs Frequency measured in free space  
W5095 measured in PSU



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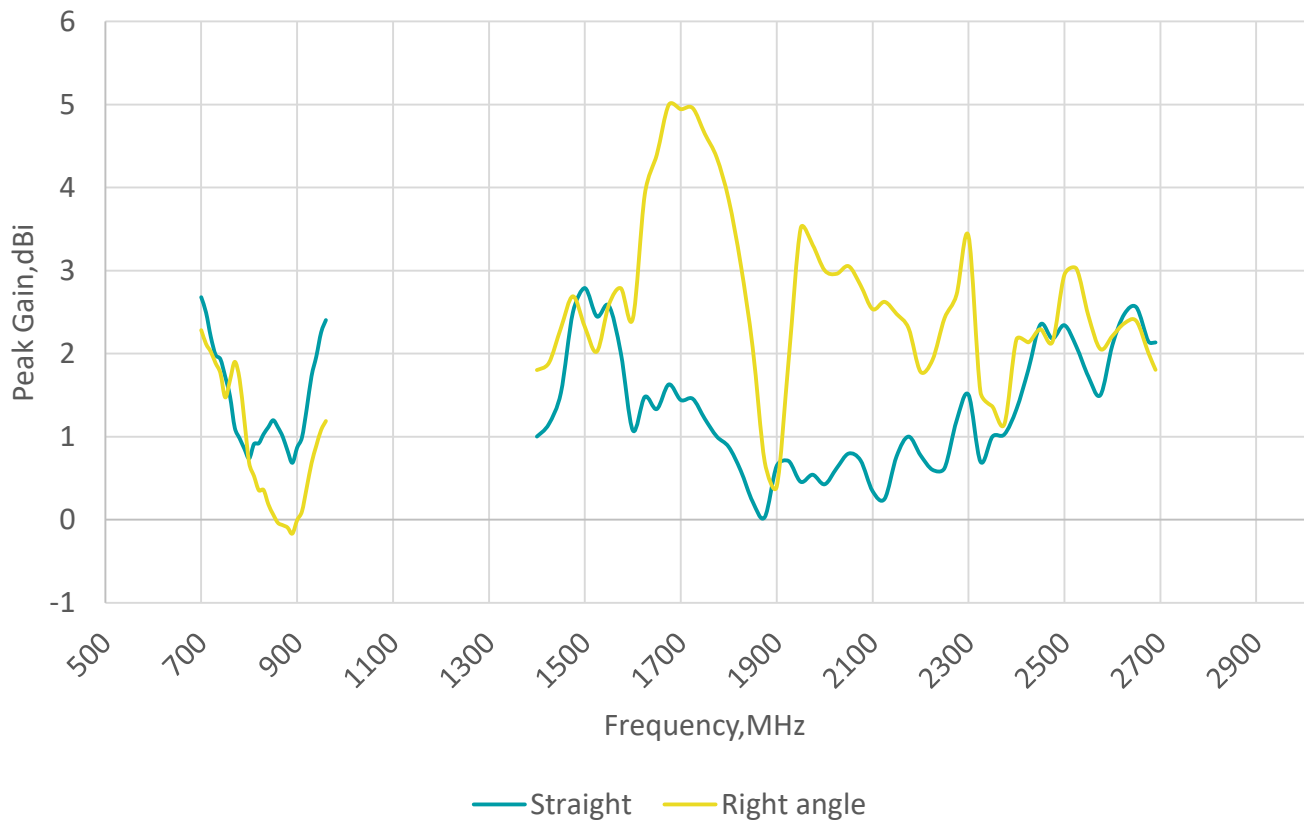
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## CHARTS

### Peak Gain

Peak Gain vs Frequency measured in free space  
W5095 measured in PSU



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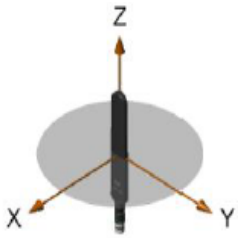


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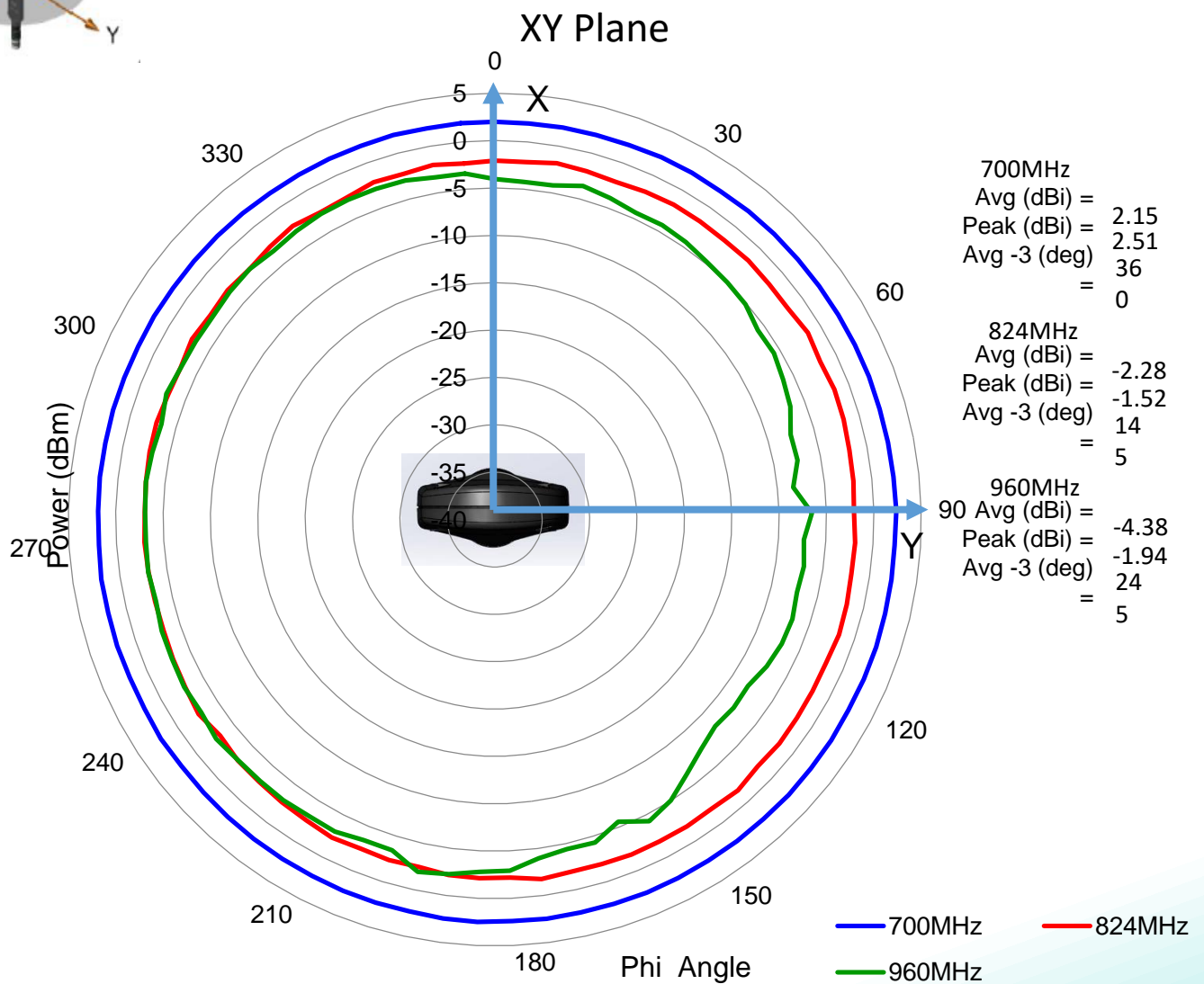
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## CHARTS



### Gain Plots



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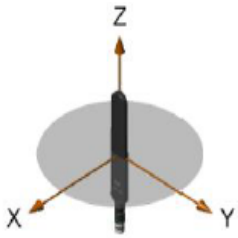
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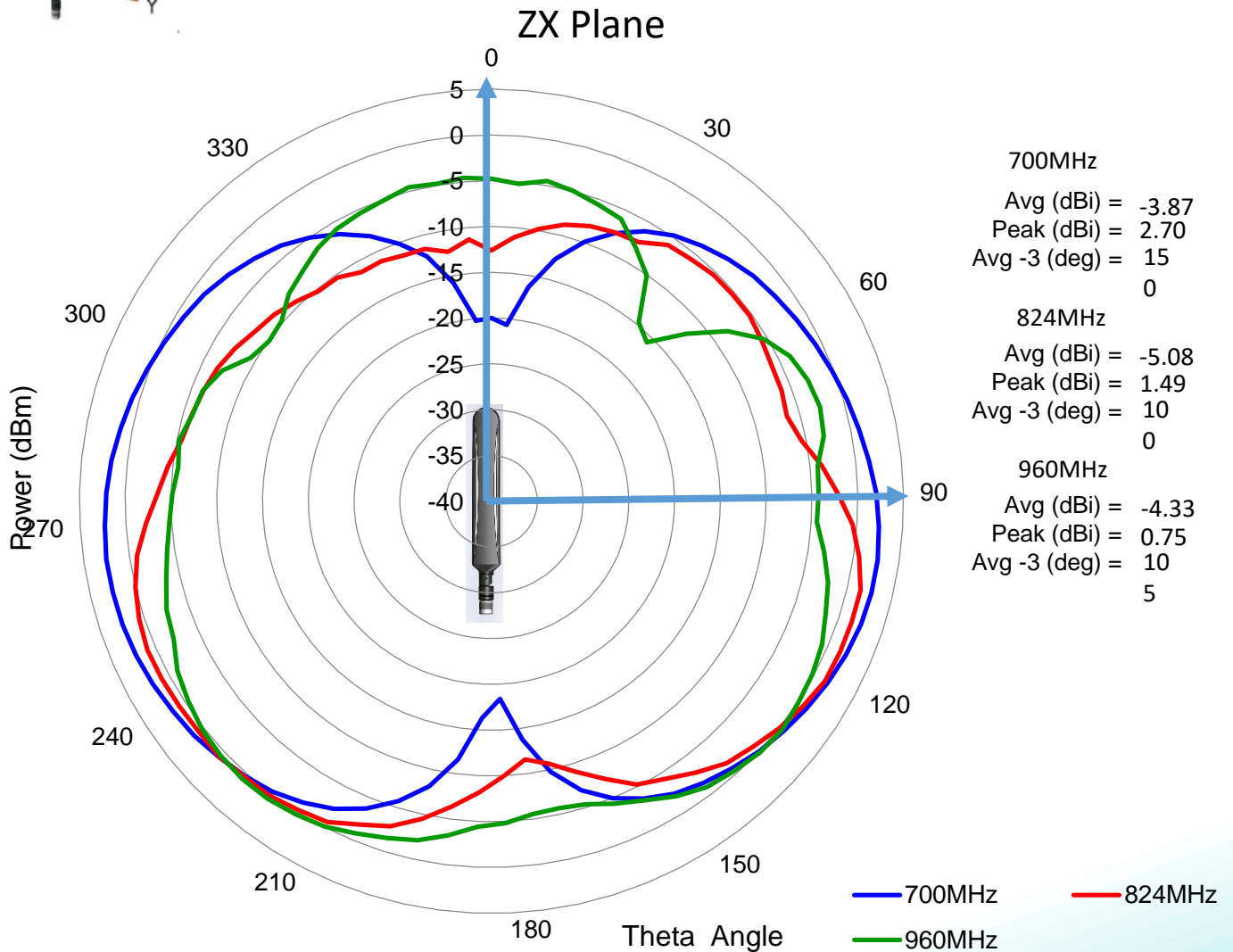
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## CHARTS



### Gain Plots



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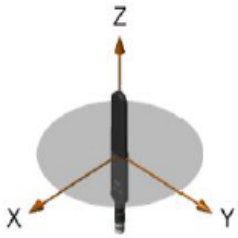
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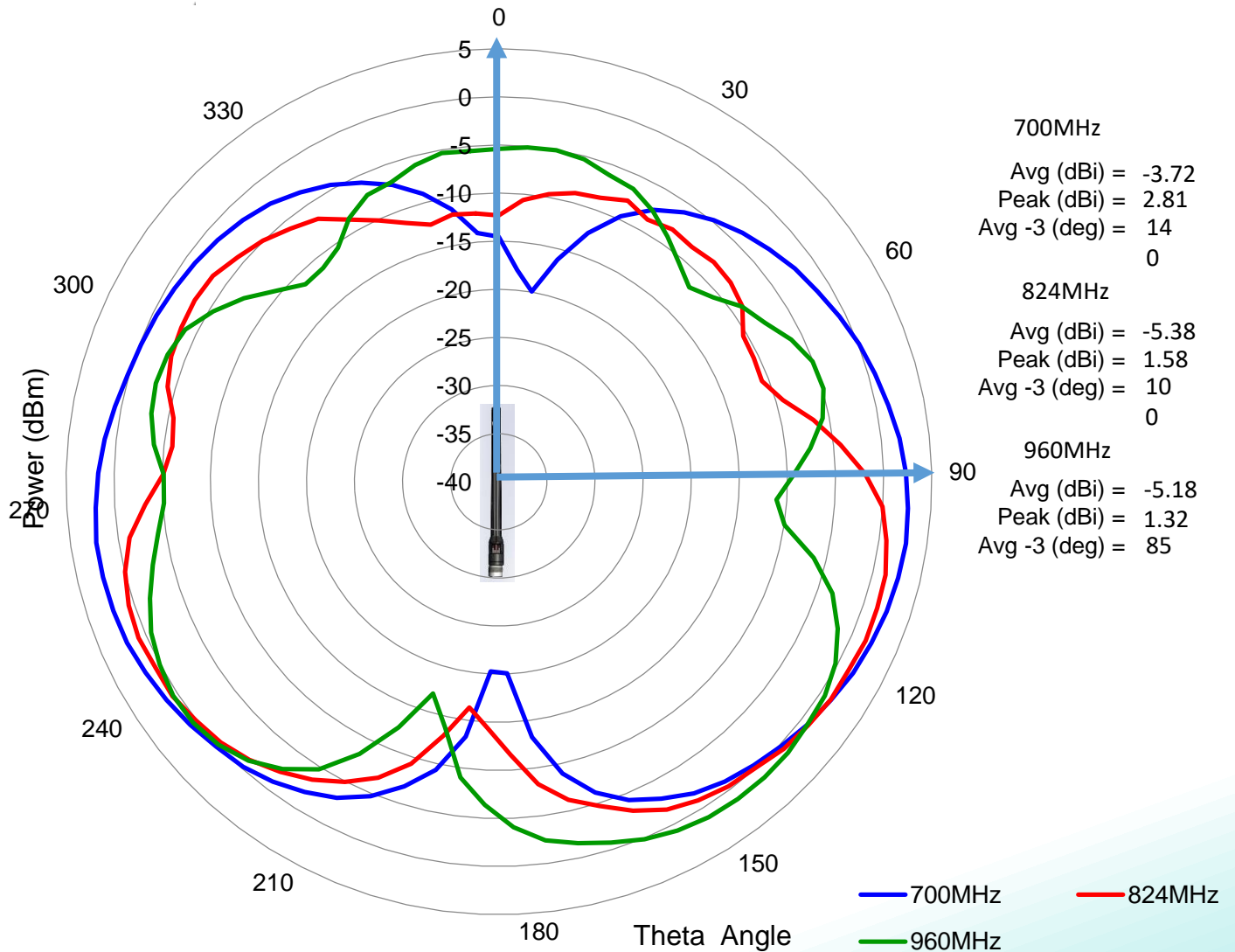
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## CHARTS



### Gain Plots

#### YZ Plane



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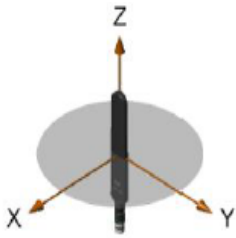
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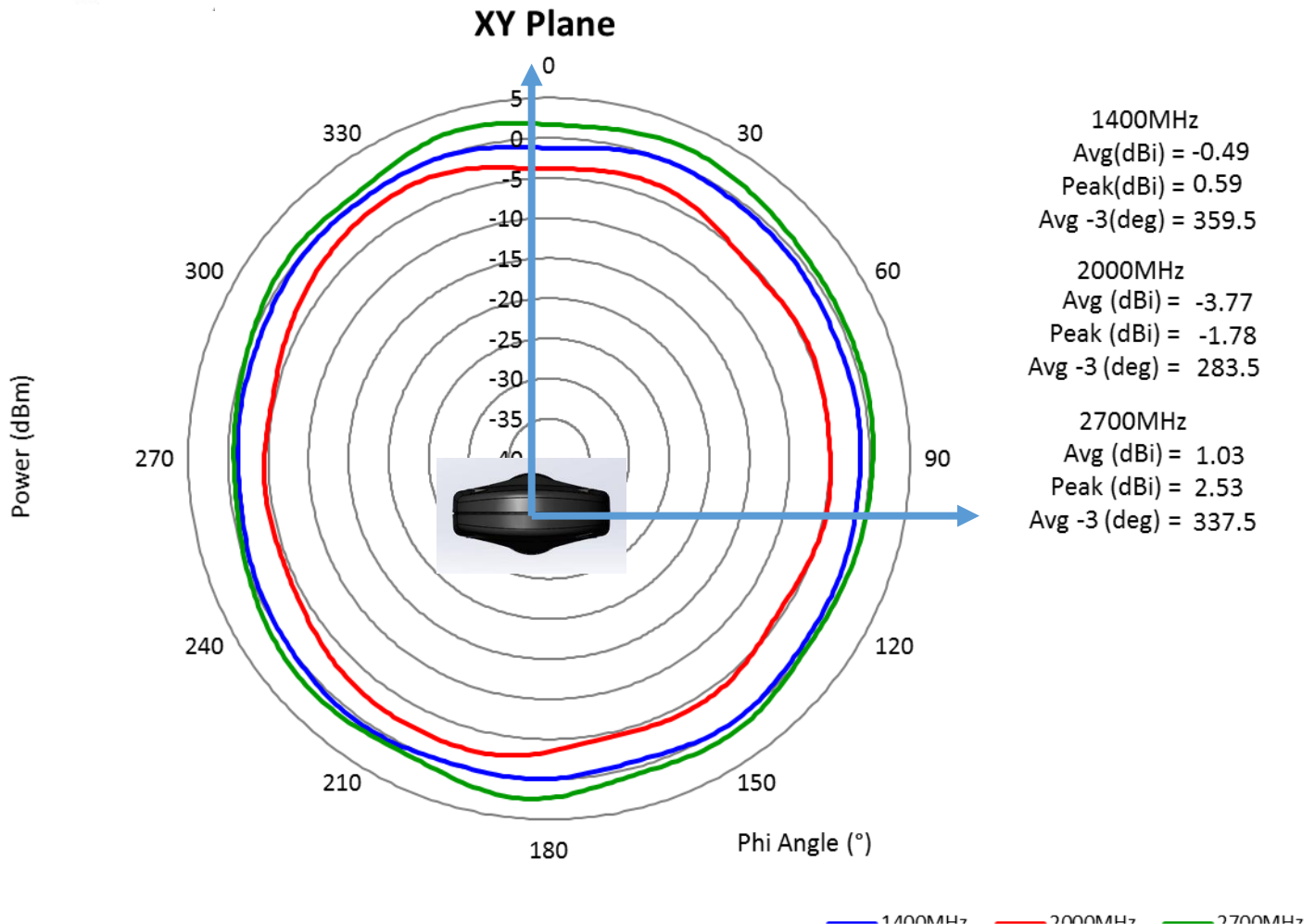
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## CHARTS



### Gain Plots



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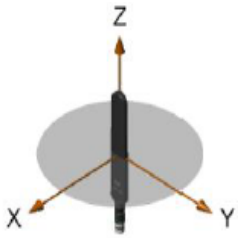
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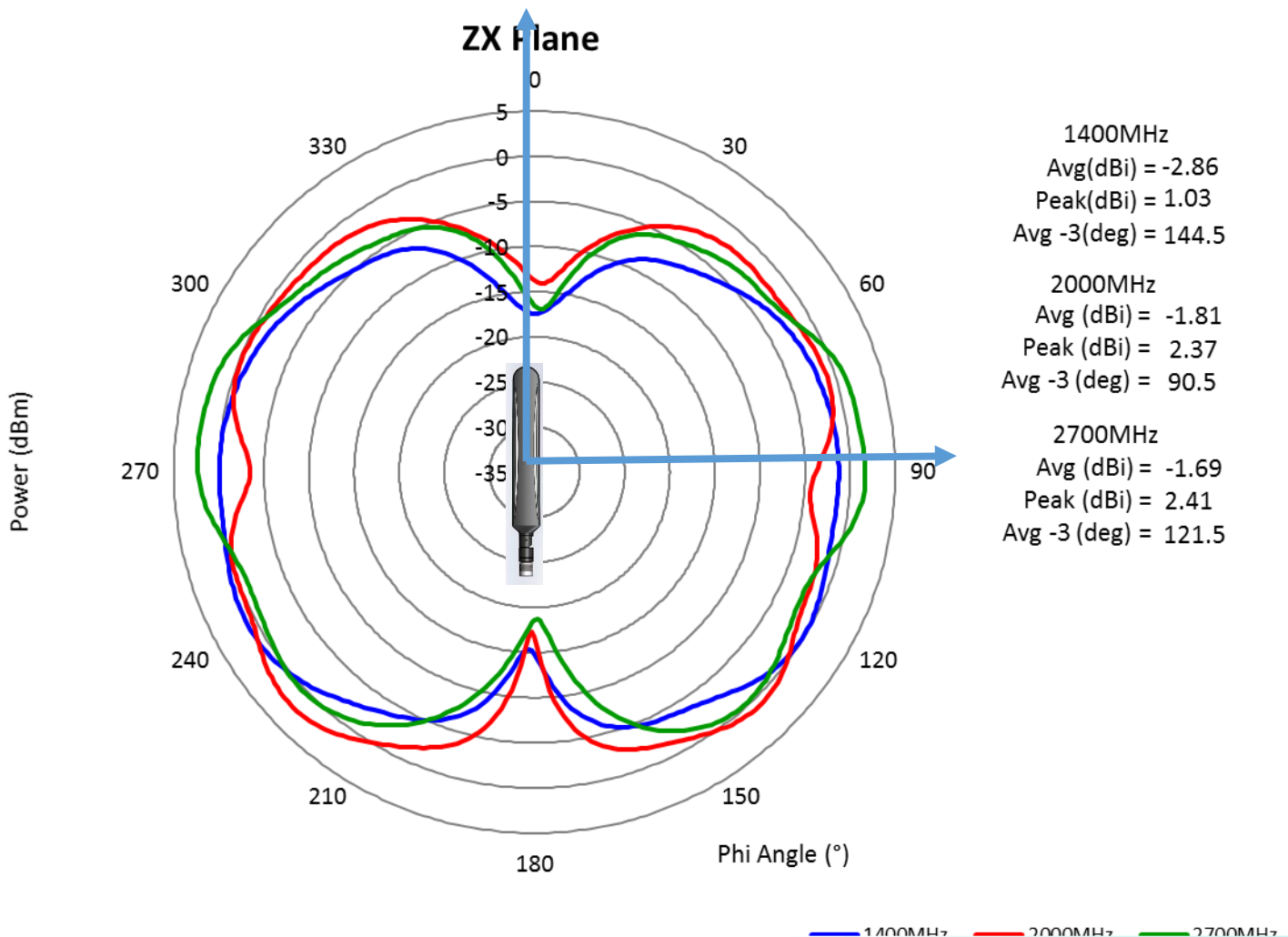
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## CHARTS



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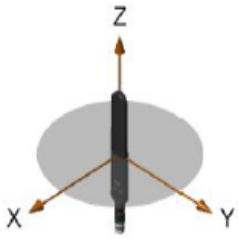
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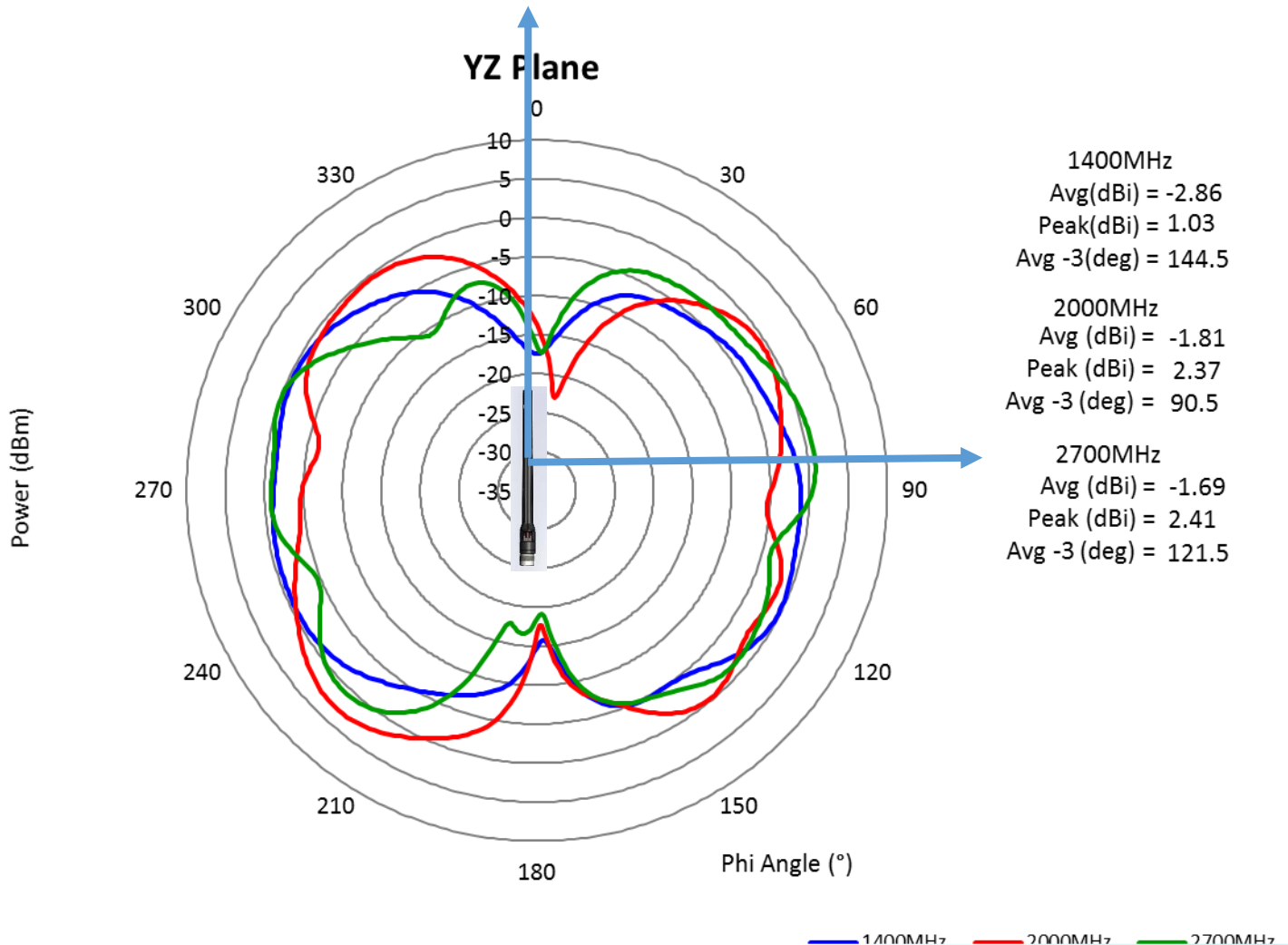
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## CHARTS



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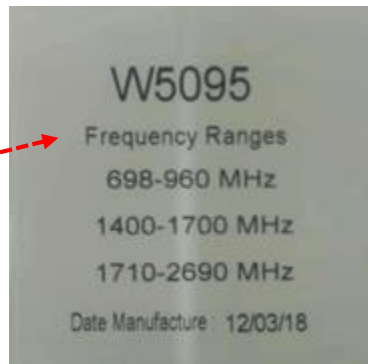
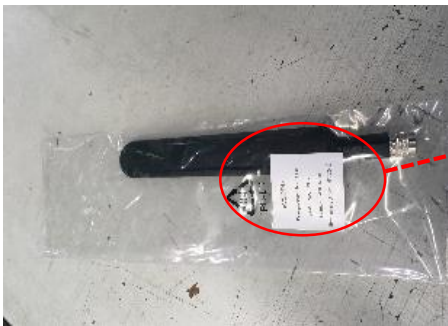
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## PACKAGING

1PCS/PE bag  
100PCS/Carton box

### W5095 Packing



品名:	<b>W5095</b>
班别:	T班
数量:	100 PCS
WO:	1745424
箱号:	2018-11-26-08



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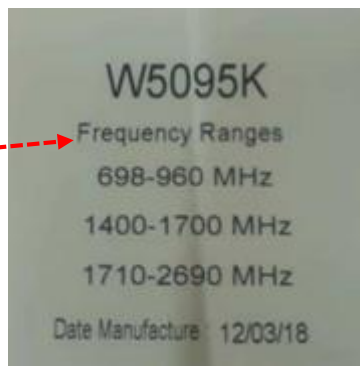
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PART NUMBER: W5095X

## PACKAGING

### W5095K Packing



品名:	<b>W5095K</b>
班别:	T班
数量:	100 PCS
WO:	1745424
箱号:	2018-11-26-07



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