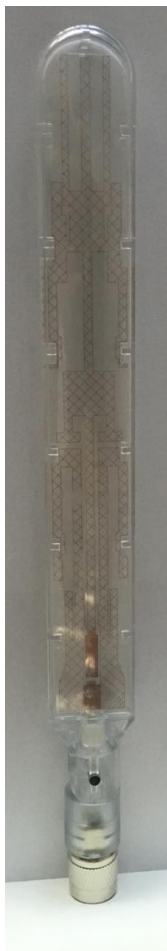


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

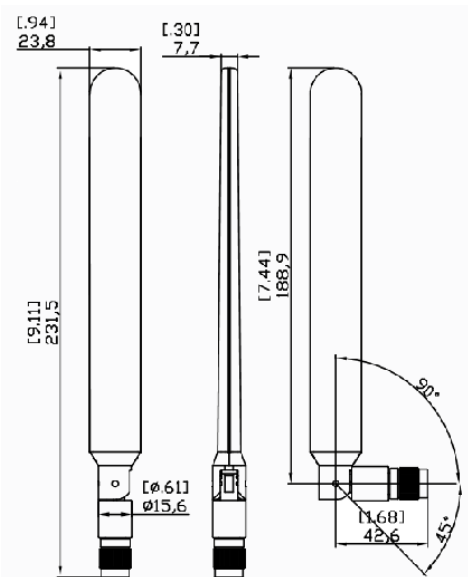


Features:

- Multi Band Swivel Mount Dipole
- Transparent radomes
- Length 213.5mm (straight)
- ICEBLADELT: TNC Male Connector

Applications:

- 4G LTE Radios
- Access Points,
- Gateways
- Routers
- Small Cell Base Stations
- Femto Cell



All dimensions are in mm / inches

Issue:1631P

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Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

Preliminary



Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

ELECTRICAL SPECIFICATIONS

Frequency	698-960&1710-2690	MHz
Nominal Impedance	50	Ω
VSWR	2.5:1	
Average Efficiency(698-960MHz)	40	%
Average Efficiency(1710-2690MHz)	57	%
Peak Gain(698-960MHz)	1.5	dBi +/- 1 dB
Peak Gain(1710-2690MHz)	2.5	dBi +/- 1 dB
Polarization:	linear	
Power withstanding	3	W
Connector type	TNC	

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Preliminary



Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

MECHANICAL SPECIFICATIONS

Plastic radome	PC945A
Color	Clarity
Flammability(Radome)	UL94 V-0
Weight	45.4g
Positions	0°, 45° & 90°
Overall length	8.8 INCHES
Fixing system	° ± 2 °
Azimuth adjustment	° ± 4°
Elevation adjustment	° ± 4°

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-30/+70° C
Temperature	
Stationary	-40/+85° C
Cyclic	Rate 5°C/min, 16 hours
Humidity	
Stationary	95%@ 25° C
Cyclic	12 hours
Salt mist	96 hours

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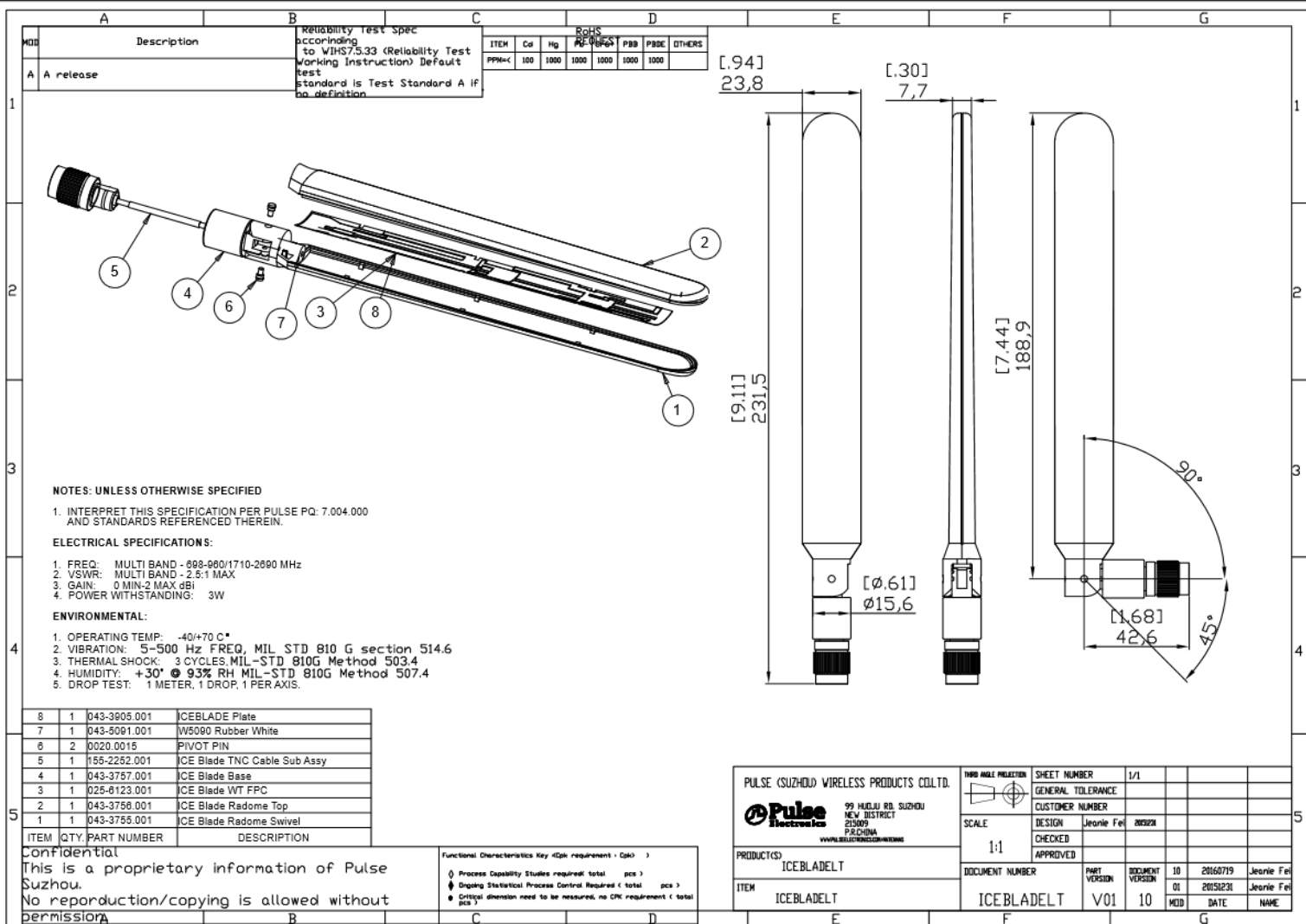
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Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

MECHANICAL DRAWING



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Preliminary



Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS

VSWR

VSWR vs Frequency
IceBladeLT measured in PSU



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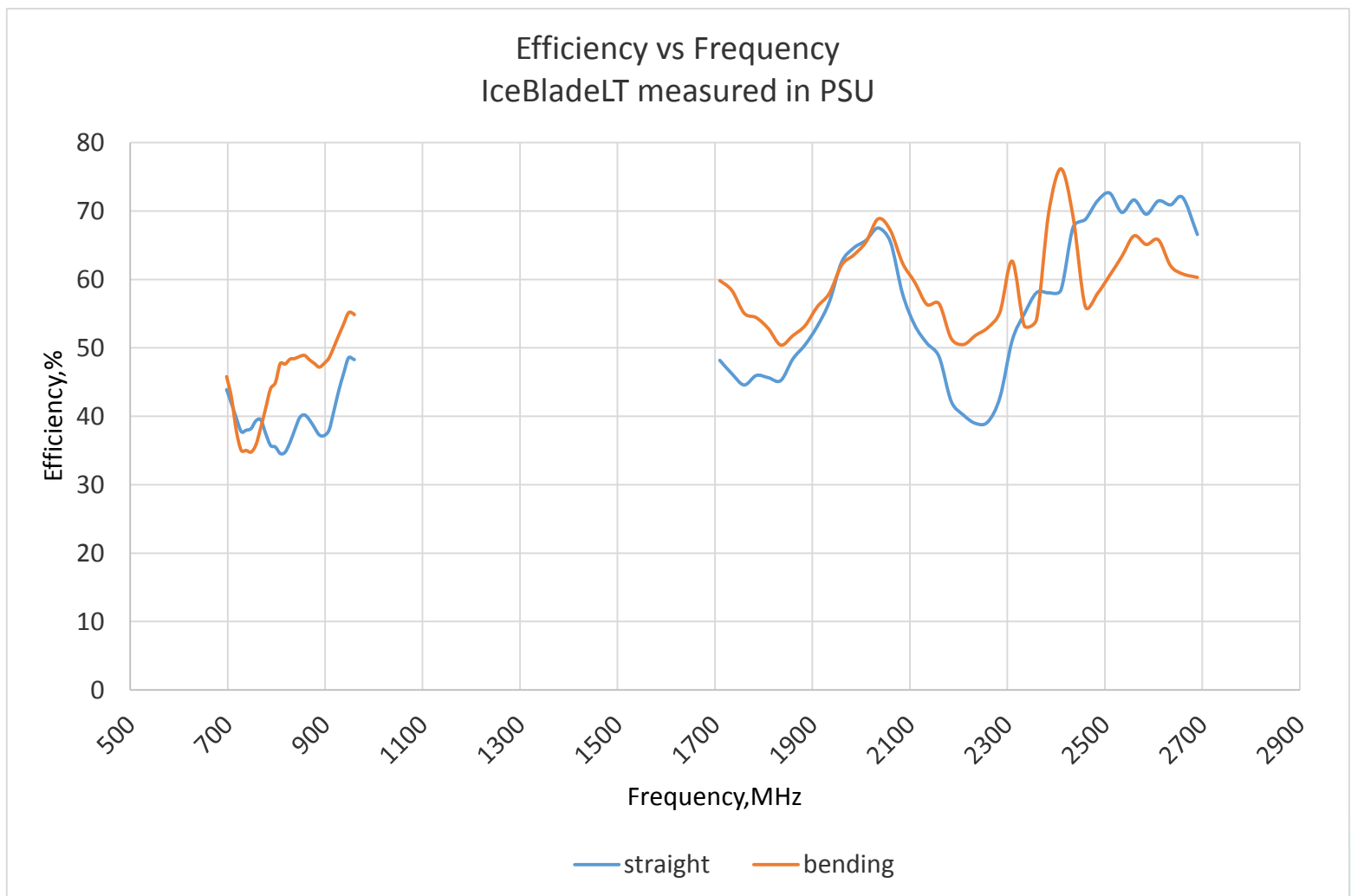
Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS

Efficiency



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Preliminary



Description: LTE698-960/1710-2690MHzTNC

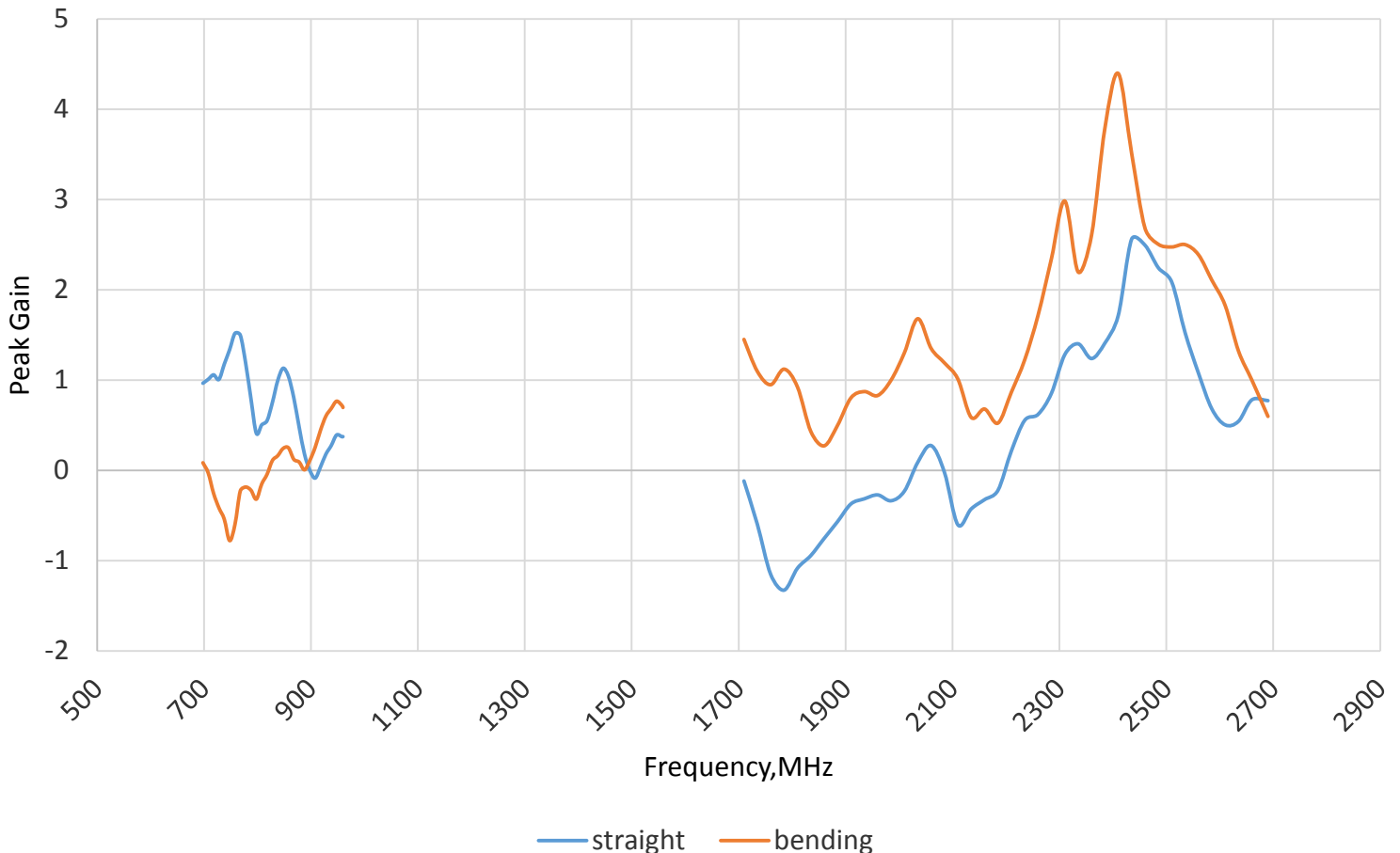
Series: ICEBLADE

PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS

Peak Gain

Peak Gain vs Frequency
IceBladeLT measured in PSU



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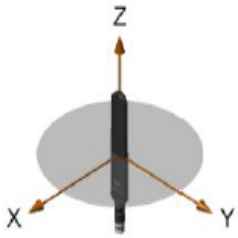


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

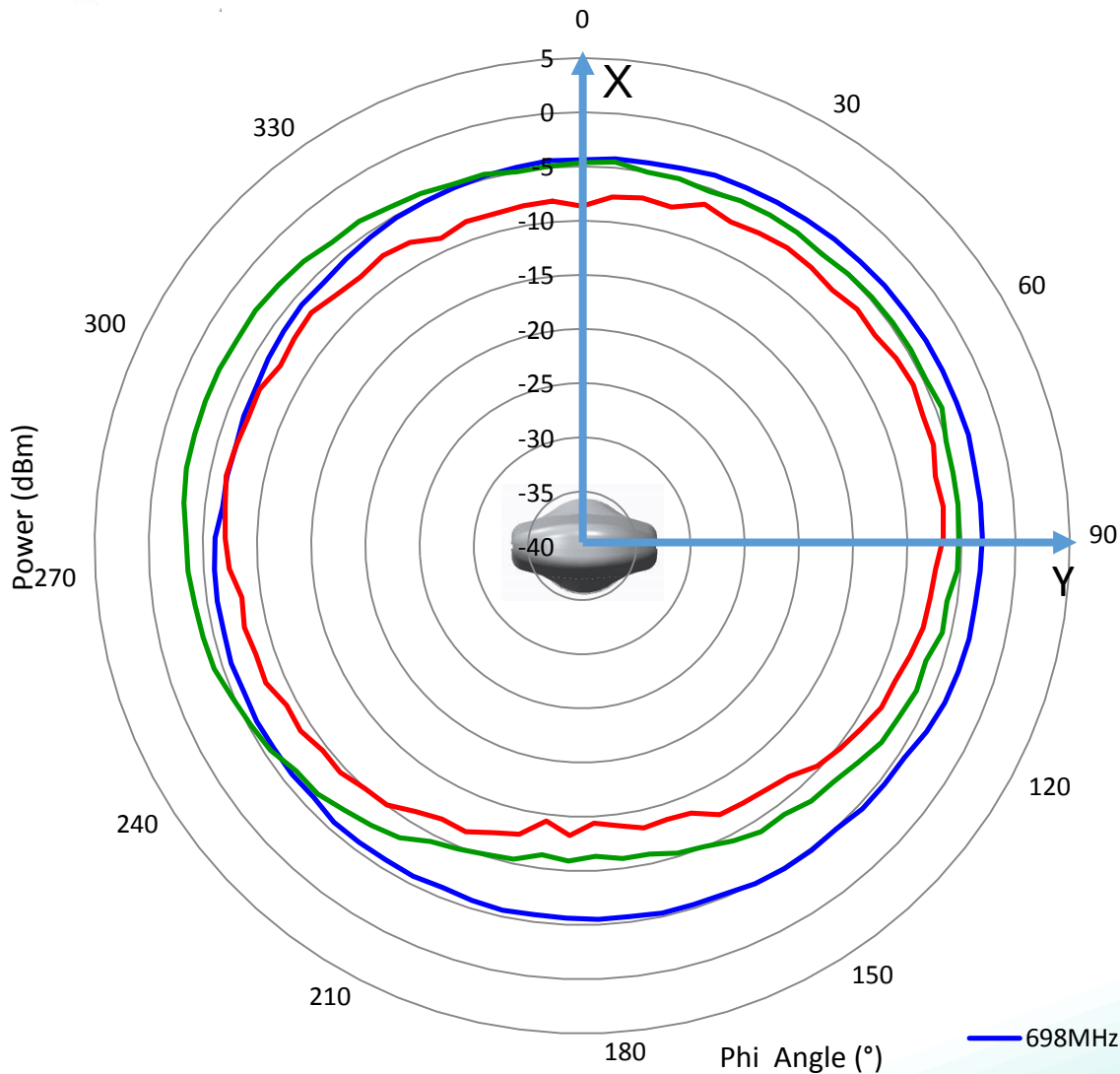
PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots

XY Plane



698MHz

Avg (dBi) = -4.85

Peak (dBi) = -2.92

Avg -3 (deg) = 275

880MHz

Avg (dBi) = -8.80

Peak (dBi) = -6.03

Avg -3 (deg) = 145

960MHz

Avg (dBi) = -5.95

Peak (dBi) = -2.77

Avg -3 (deg) = 220

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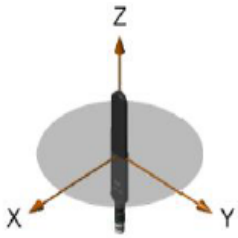


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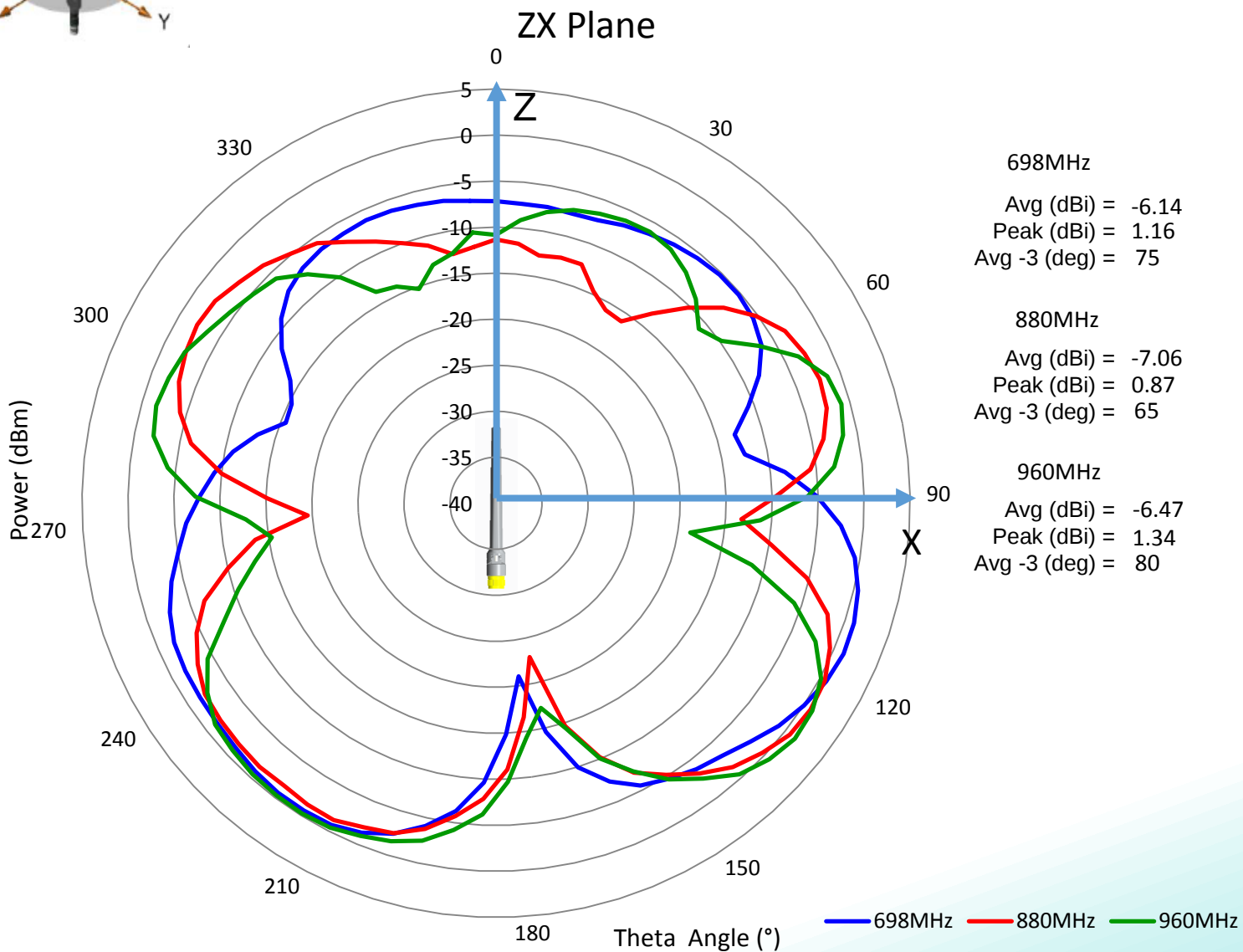
Series: ICEBLADE

PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots



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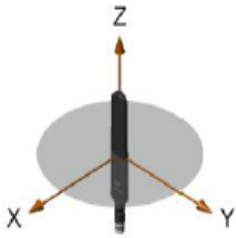


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

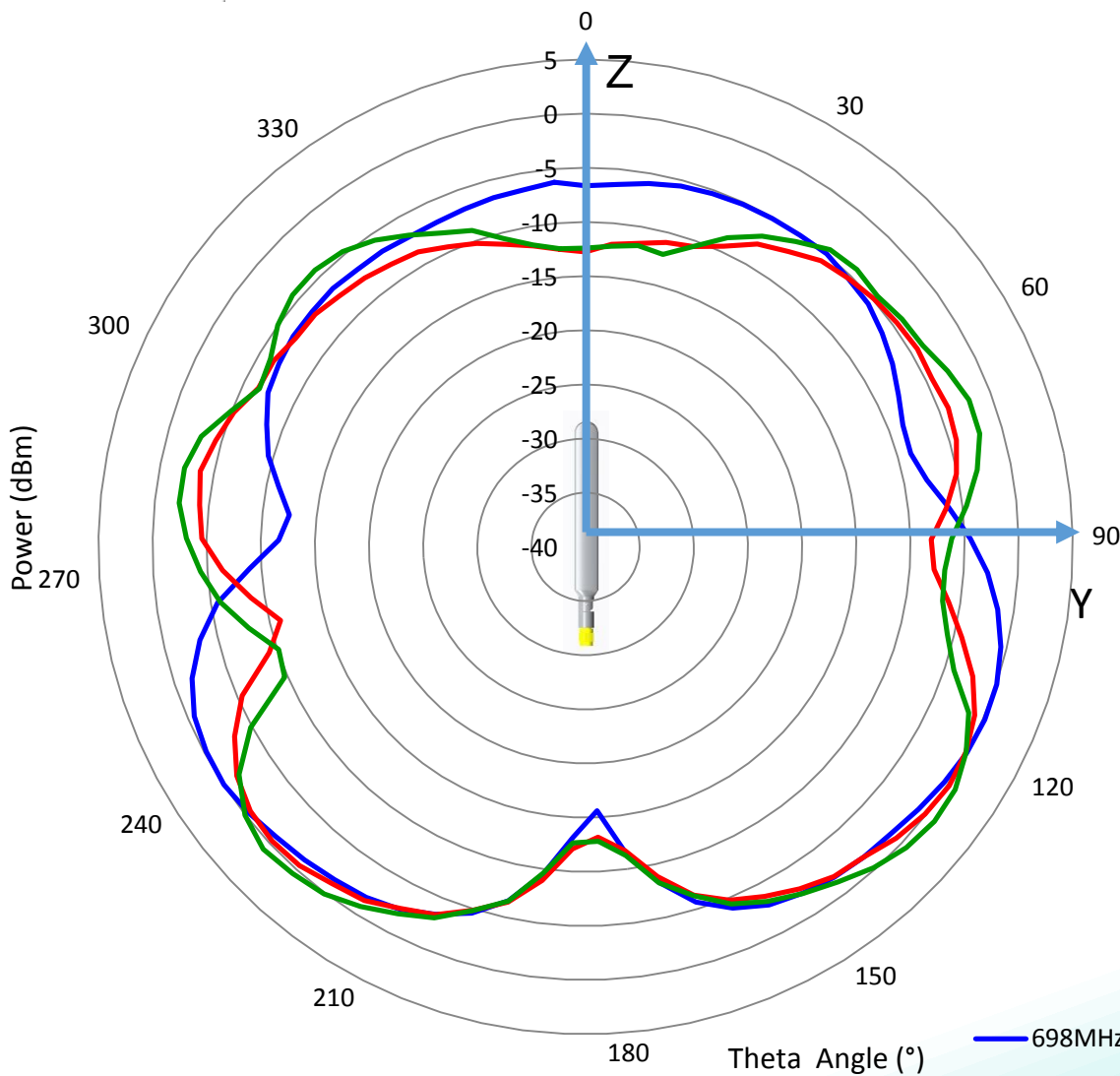
PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots

YZ Plane



698MHz

Avg (dBi) = -5.31
Peak (dBi) = 0.17
Avg -3 (deg) = 105

880MHz

Avg (dBi) = -6.12
Peak (dBi) = 0.18
Avg -3 (deg) = 75

960MHz

Avg (dBi) = -5.41
Peak (dBi) = 1
Avg -3 (deg) = 65

— 698MHz — 880MHz — 960MHz

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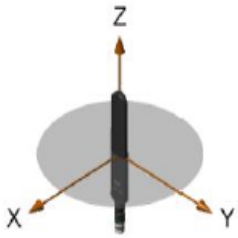


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

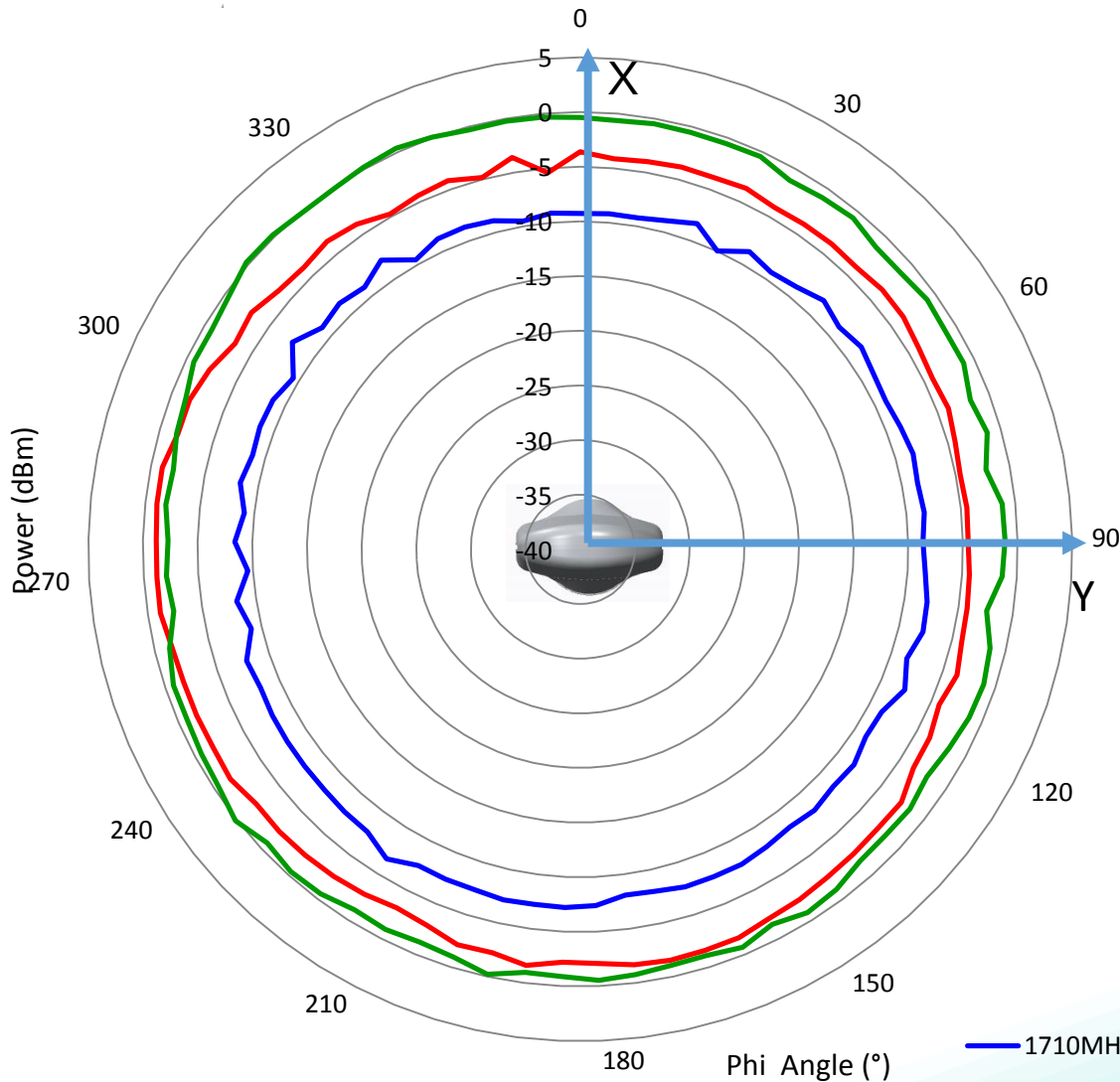
PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots

XY Plane



1710MHz

Avg (dBi) = -8.37

Peak (dBi) = -6.60

Avg -3 (deg) = 355

2170MHz

Avg (dBi) = -3.04

Peak (dBi) = -1.04

Avg -3 (deg) = 285

2690MHz

Avg (dBi) = -0.95

Peak (dBi) = 0.36

Avg -3 (deg) = 360

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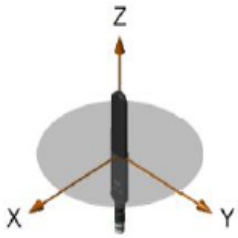


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

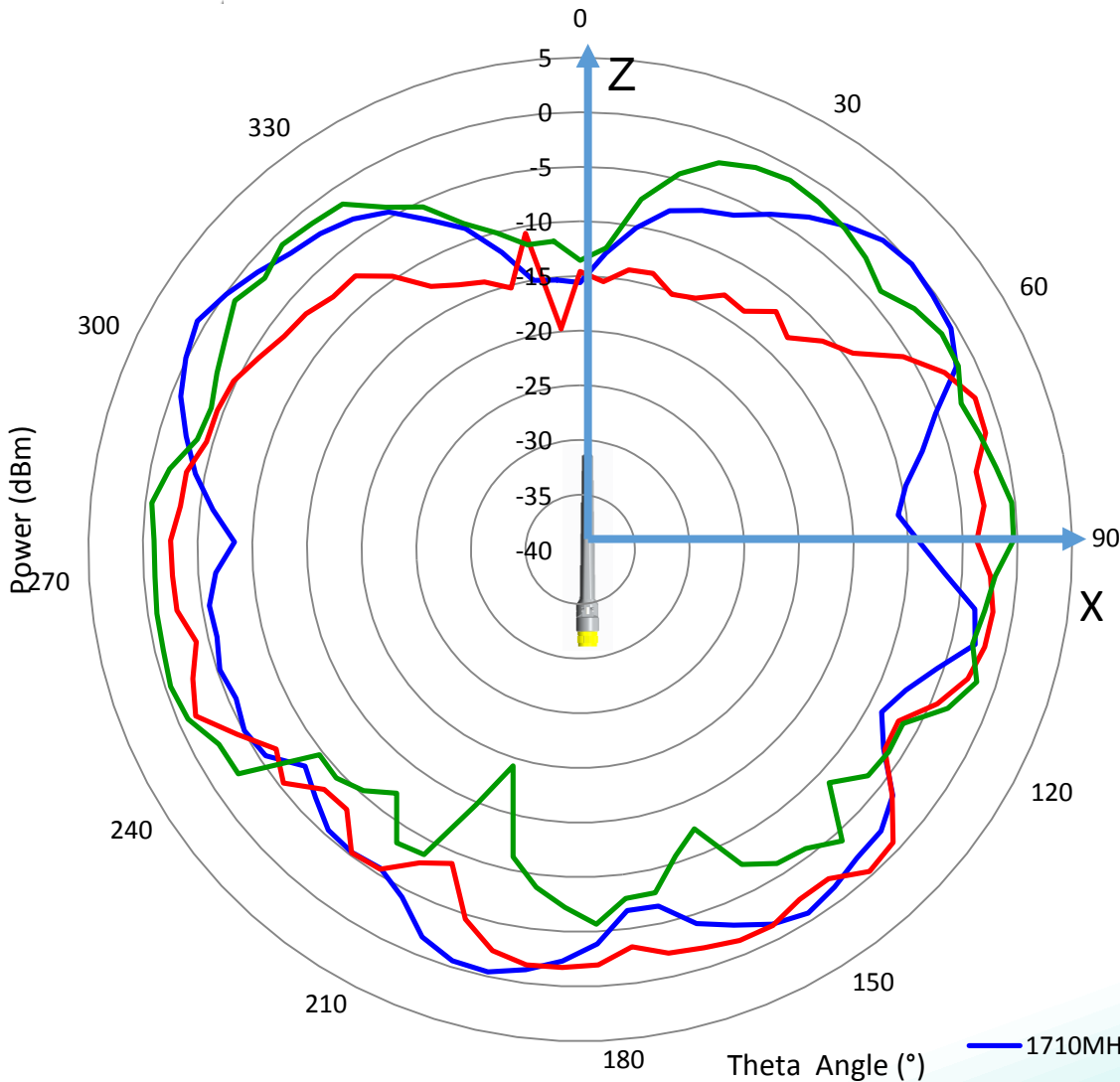
PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots

ZX Plane



1710MHz

Avg (dBi) = -5.16

Peak (dBi) = 0.78

Avg -3 (deg) = 95

2170MHz

Avg (dBi) = -6.48

Peak (dBi) = -0.39

Avg -3 (deg) = 140

2690MHz

Avg (dBi) = -5.28

Peak (dBi) = -0.3

Avg -3 (deg) = 170

— 1710MHz — 2170MHz — 2690MHz

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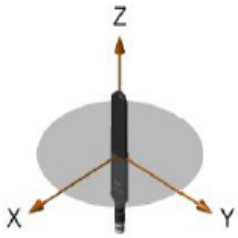


Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

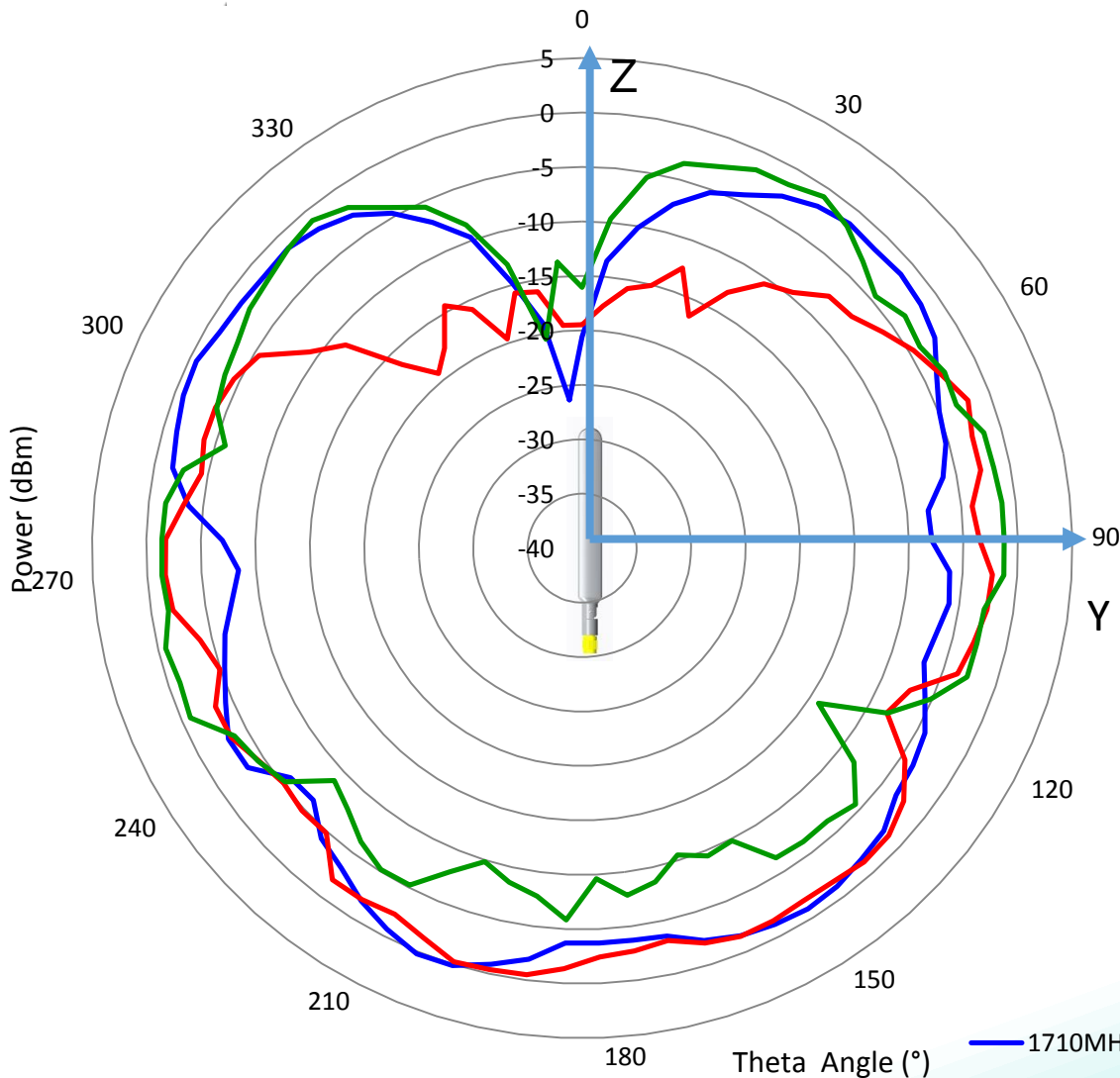
PART NUMBER: ICEBLADELT

OTHER SPECIFICATIONS



Gain Plots

YZ Plane



1710MHz

Avg (dBi) = -4.99
Peak (dBi) = 0.22
Avg -3 (deg) = 135

2170MHz

Avg (dBi) = -6.73
Peak (dBi) = -0.22
Avg -3 (deg) = 140

2690MHz

Avg (dBi) = -5.41
Peak (dBi) = -0.67
Avg -3 (deg) = 160

— 1710MHz — 2170MHz — 2690MHz

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Preliminary



Description: LTE698-960/1710-2690MHzTNC

Series: ICEBLADE

PART NUMBER: ICEBLADELT

PACKAGING

Pack each antenna into PE bag, 100 antenna in one box

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