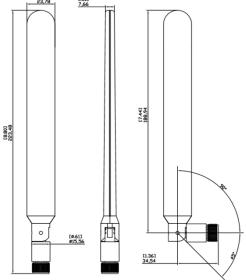




PART NUMBER: ICEBLADELS

Series: ICEBLADE





Features:

- 690-2690MHz
- Gain 1.6/2.5dBi
- 90 degree swivel
- SMA connector
- Translucent visually appealing radome

Applications:

- LTE radios
- Gateways
- · Set top boxes
- M-to-M, IoT

All dimensions are in mm / inches

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Pulse Worldwide Headquarters 12220 World Trade Drive San Diego, CA 92128 USA Tel:1-858-674-8100 Pulse/Larsen Antennas 3611 NE 112th Ave Vancouver, WA 98682 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



Series: ICEBLADE

Pulse*LARSEN*

Description: LTE698-960/1710-2690MHzSMA

PART NUMBER: ICEBLADELS

ELECTRICAL SPECIFICATIONS

Frequency	698-960/1710-2690	MHz
Nominal Impedance	50	Ω
VSWR	2.5 :1	
Average Efficiency(698-960MHz)	37	%
Average Efficiency(1710-2690MHz)	60	%
Peak Gain (698-960MHz)	1.6	dBi +/- 1 dB
Peak Gain(1710-2690MHz)	2.5	dBi +/- 1 dB
Polarization:	linear	
Power withstanding	3	W
Connector type	SMA	



Description: LTE698-960/1710-2690MHzSMA

Series: ICEBLADE

PART NUMBER: ICEBLADELS

MECHANICAL	SPECIFICATIONS
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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

Issue:1631P

Prelimina





Series: ICEBLADE

PART NUMBER: ICEBLADELS

MECHANICAL DRAWING TITEM Col Hg PE POSES PBB PBDE DTHERS accorinding to WIHS7.5.33 (Reliability Test Working Instruction) Default Description PPM=< 100 1000 1000 1000 1000 1000 A release ndard is Test Standard A i NOTES: UNLESS OTHERWISE SPECIFIED INTERPRET THIS SPECIFICATION PER PULSE PQ: 7.004.000 AND STANDARDS REFERENCED THEREIN. ELECTRICAL SPECIFICATIONS: 1. FREQ: MULTI BAND - 698-960/1710-2690 MHz 2. VSWR: MULTI BAND - 2.5:1 MAX 3. GAIN: O MIN-2 MAX dBi 4. POWER WITHSTANDING: 3W ENVIRONMENTAL: 1. OPERATING TEMP: 40/+70 C 2. VIBRATION: 5-500 Hz FREQ, MIL STD 810 G section 514.6 3. THERMAL SHOCK: 3 CYCLES MIL-STD 810G Method 503.4 4. HUMDITY: 430 © 93% RH MIL-STD 810G Method 507.4 5. DROP TEST: 1 METER, I DROP, 1 PERAVIS. [1.36] 34,54 1 043-5091.001 2 0020.0015 1 155-2250.001 W5090 Rubber White PIVOT PIN ICEBladeLS SMA Cable Sub Assy 1 043-3757.001 1 025-8121.001 ICE Blade Base ICE Blade LS FPC PULSE (SUZHDU) VIRELESS PRODUCTS COLLTD. 1 043-3756.001 1 043-3755.001 GENERAL TOLERANCE CUSTOMER NUMBER ICE Blade Radome Swivel DESCRIPTION DESIGN ITEM QTY. PART NUMBER Confidential CHECKET This is a proprietary information of Pulse REDUCT(S) ICEBLADELS 10 20160719 DOCUMENT No reporduction/copying is allowed without 20151231

Issue:1631P

bermission.



ICEBLADELS

V01 10

ICEBLADELS



Description: LTE698-960/1710-2690MHzSMA

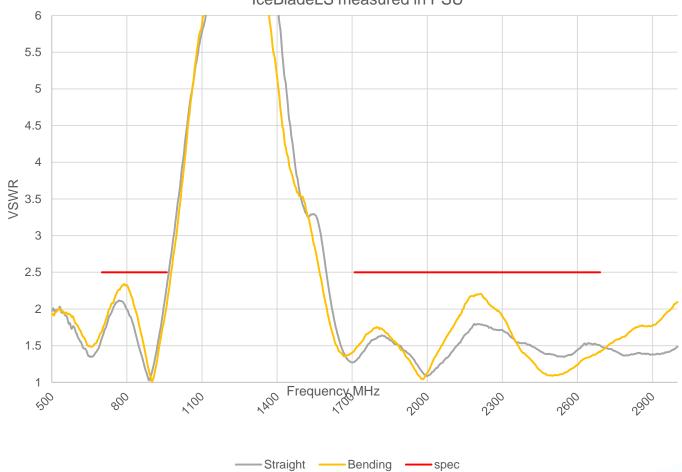
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OTHER SPECIFICATIONS

VSWR

VSWR vs Frequency measured in free space IceBladeLS measured in PSU



Preliminar Issue:1631P



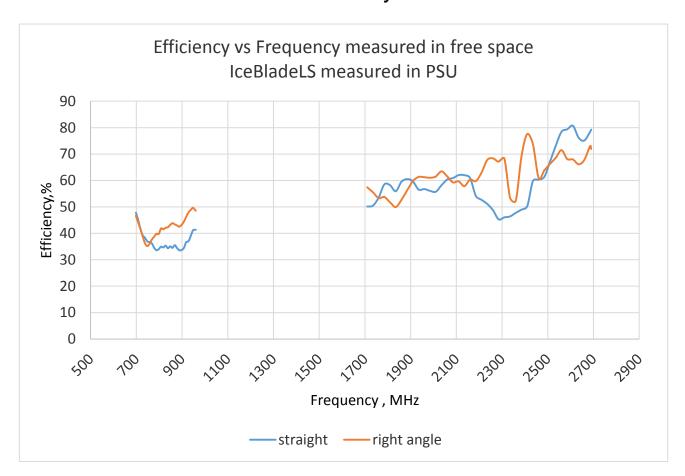


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CHARTS

Efficiency





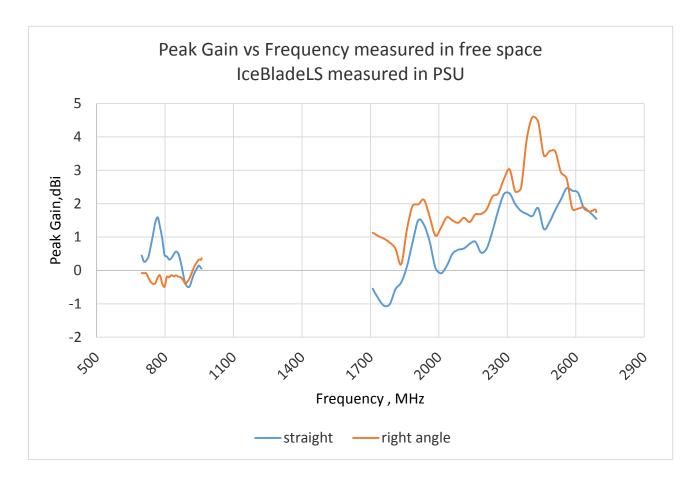


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CHARTS

Peak Gain



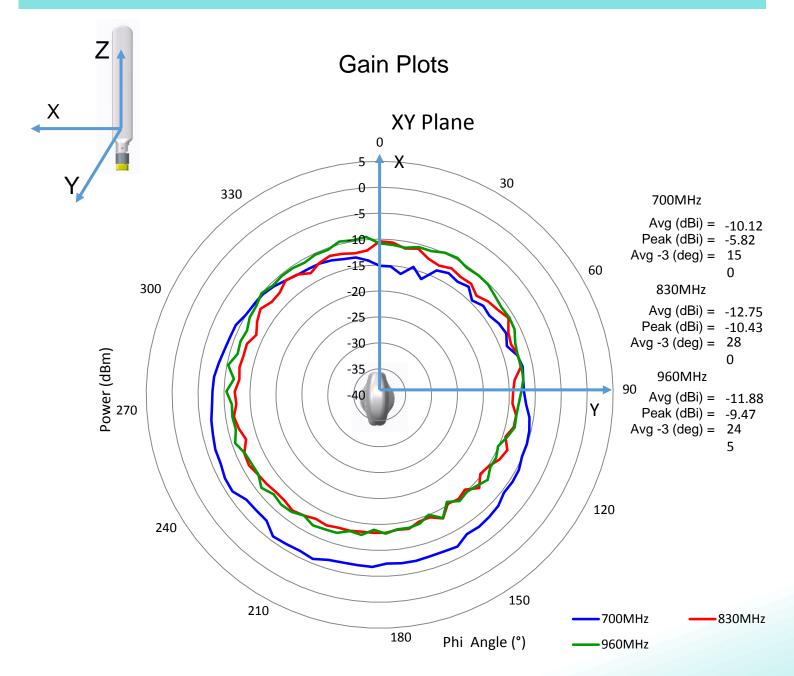




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CHARTS



Issue:1631P

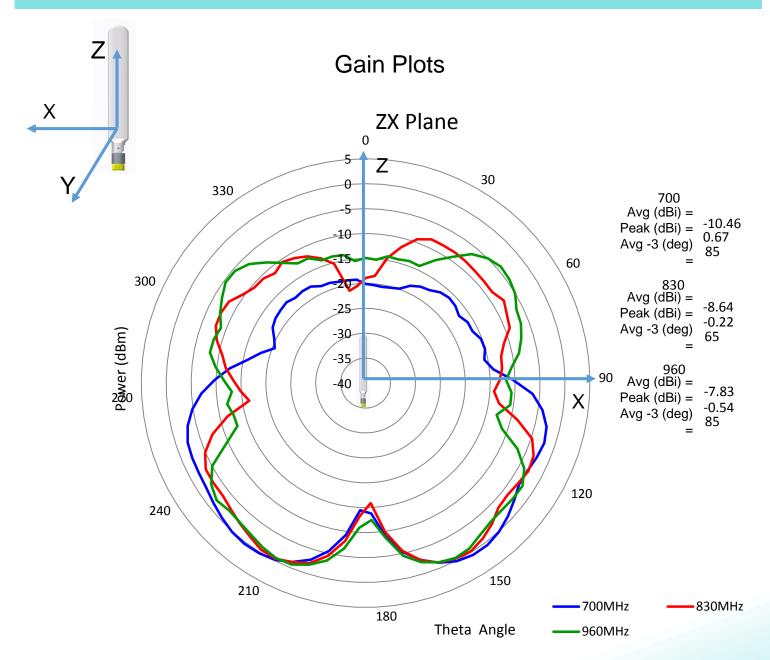




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CHARTS



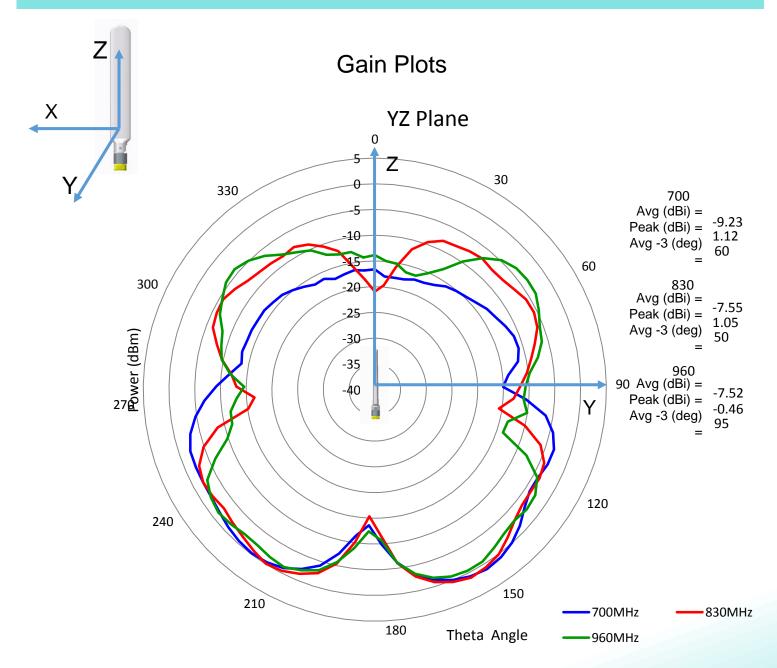




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CHARTS



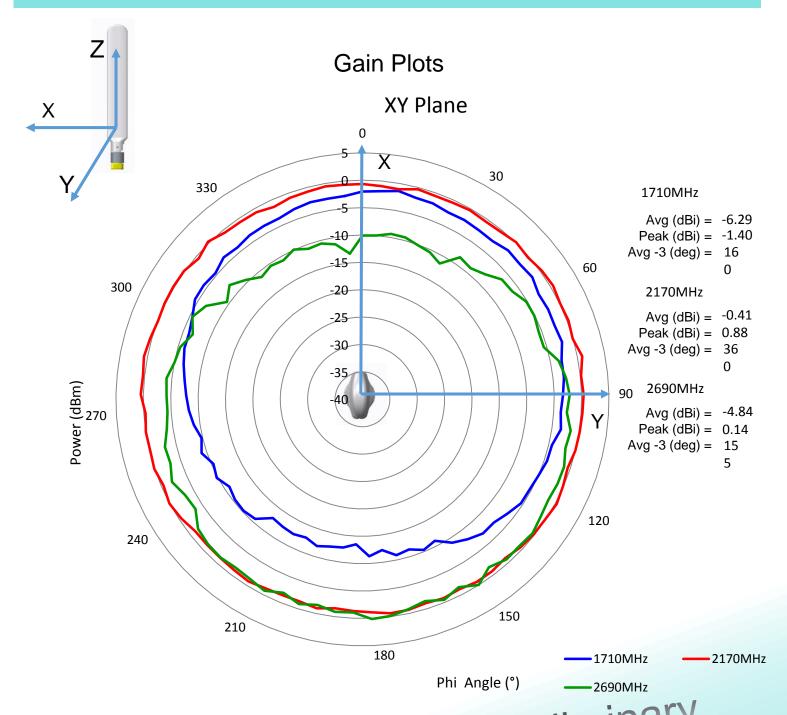


Description: LTE698-960/1710-2690MHzSMA

Series: ICEBLADE

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CHARTS



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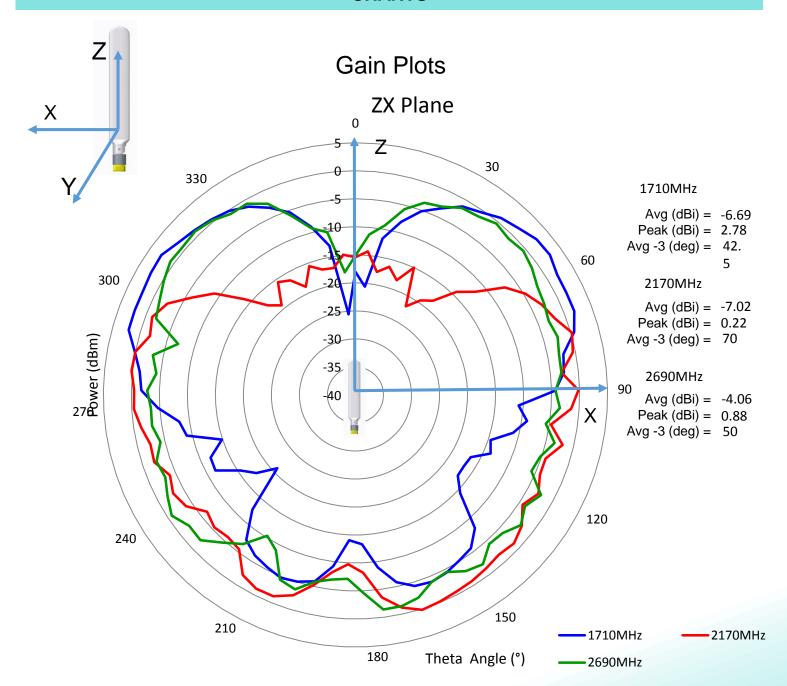




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CHARTS Gain Plots YZ Plane 30 330 1710MHz Avg (dBi) = -6.22Peak (dBi) = 2.40 Avg - 3 (deg) = 4560 300 2170MHz Avg (dBi) = -7.00-25 Peak (dBi) = 1.19 -30 Power (dBm) Avg - 3 (deg) = 50-35 2690MHz 40 Avg (dBi) = -5.15270 Peak (dBi) = 1.24 Avg - 3 (deg) = 30120 240 150 210 1710MHz 2170MHz 180 Theta Angle (°) 2690MHz

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Description: LTE698-960/1710-2690MHzSMA

PART NUMBER: ICEBLADELS

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PACKAGING

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