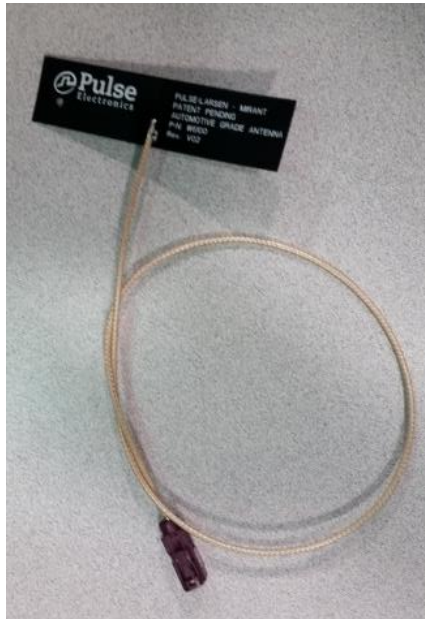


**Description: LTE 698-3600MHz FPC Antenna**

**Series: MIRANT**

**PART NUMBER: W6101**

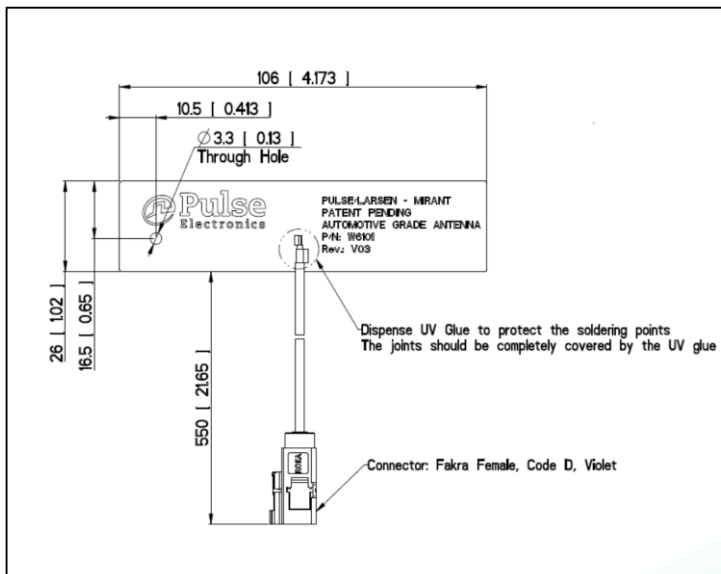


**Features:**

- Center fed FPC antenna with coax cable
- Bands 698-960, 1710-2170, 2300-2700, 3400-3600MHz
- Size 106x26x0.2mm
- Connector Fakra SMBA Code D

**Applications:**

- Automotive LTE radio systems
- Embedded antenna into the mechanics
- Mirrors, bumpers, inside dash etc.



All dimensions are in mm / inches

**Issue: 1642**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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



**Description: LTE 698-3600MHz FPC Antenna****Series: MIRANT****PART NUMBER: W6101****ELECTRICAL SPECIFICATIONS**

Frequency	698-960 MHz
	1710-2170 MHz
	2300-2700 MHz
	3400-3600 MHz
Nominal Impedance	50 $\Omega$
VSWR	2.5:1
Gain 698-960 MHz	3 dBi
Gain 1710-2170 MHz	4 dBi
Gain 2300-2700 MHz	4.5 dBi
Gain 3400-3600 MHz	4 dBi
Efficiency 698-960 MHz	65 %
Efficiency 1710-2170 MHz	55 %
Efficiency 2300-2700 MHz	60%
Efficiency 3400-3600 MHz	45%

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**Description: LTE 698-3600MHz FPC Antenna****Series: MIRANT****PART NUMBER: W6101****MECHANICAL SPECIFICATIONS**

Radiator material	FPC
Radiator Size X,Y	106 x 26 mm
Radiator Thickness	0.2 mm
Color	Black
Fixing system	Adhesive tape, 3MVHB 4949
Cable type	RG316
Cable length	550mm
Connector	Fakra SMBA Code D

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	-40~ +85° C
Mechanical Vibration	Random vibration input of 60 min/axis, all three perpendicular axis. Transportation frequency 5-500 Hz using Fig 514.6C-I and Table 514.6-II of MIL STD 810G section 514.6,
Shock Impact	Per EIA-TIA-329-B1 spec
Storage Temperature	-40° to +85° C
Humidity	+30°C @ 93% RH

Issue: 1642

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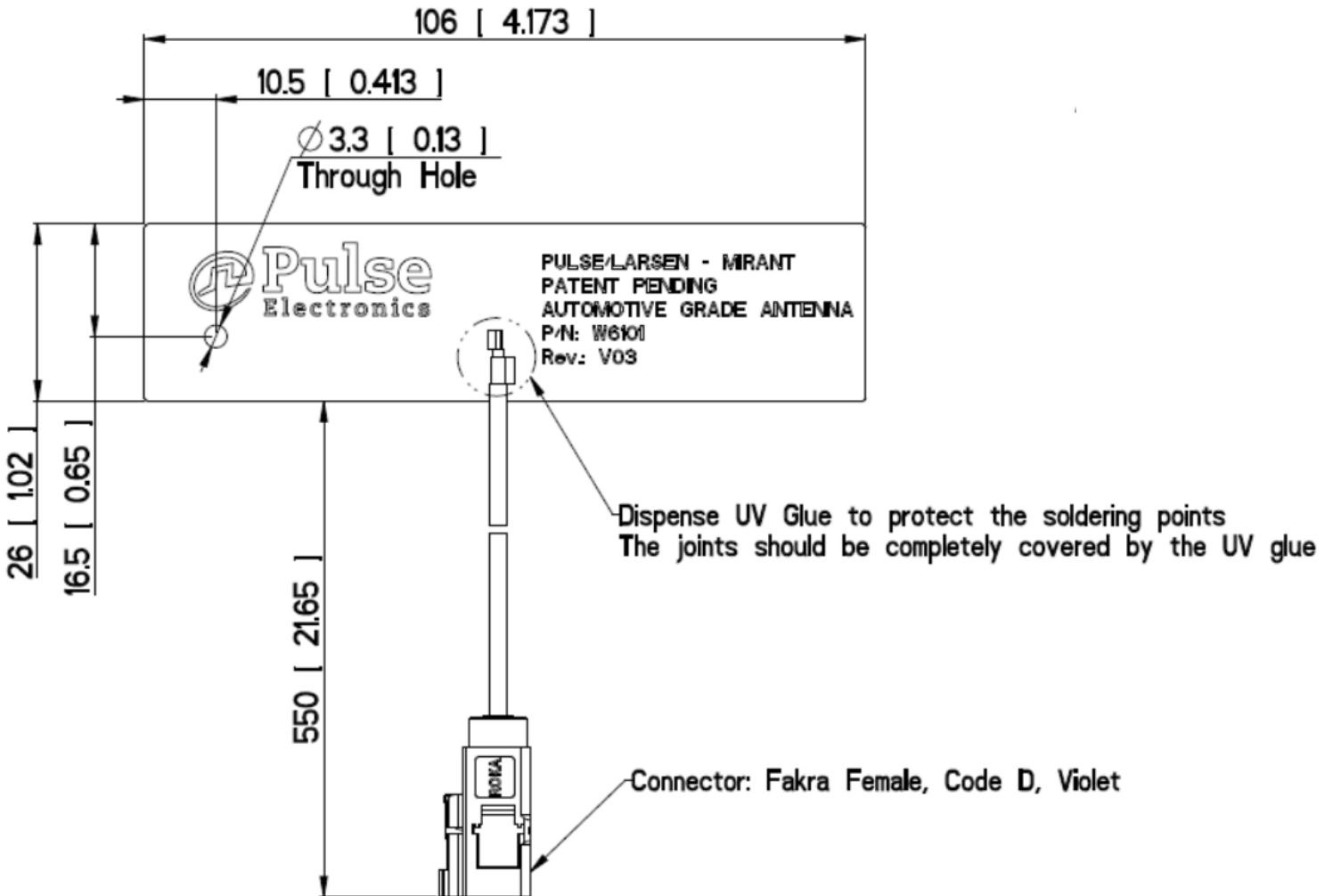
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Description: LTE 698-3600MHz FPC Antenna

Series: MIRANT

PART NUMBER: W6101

**MECHANICAL Drawing**



Issue: 1642

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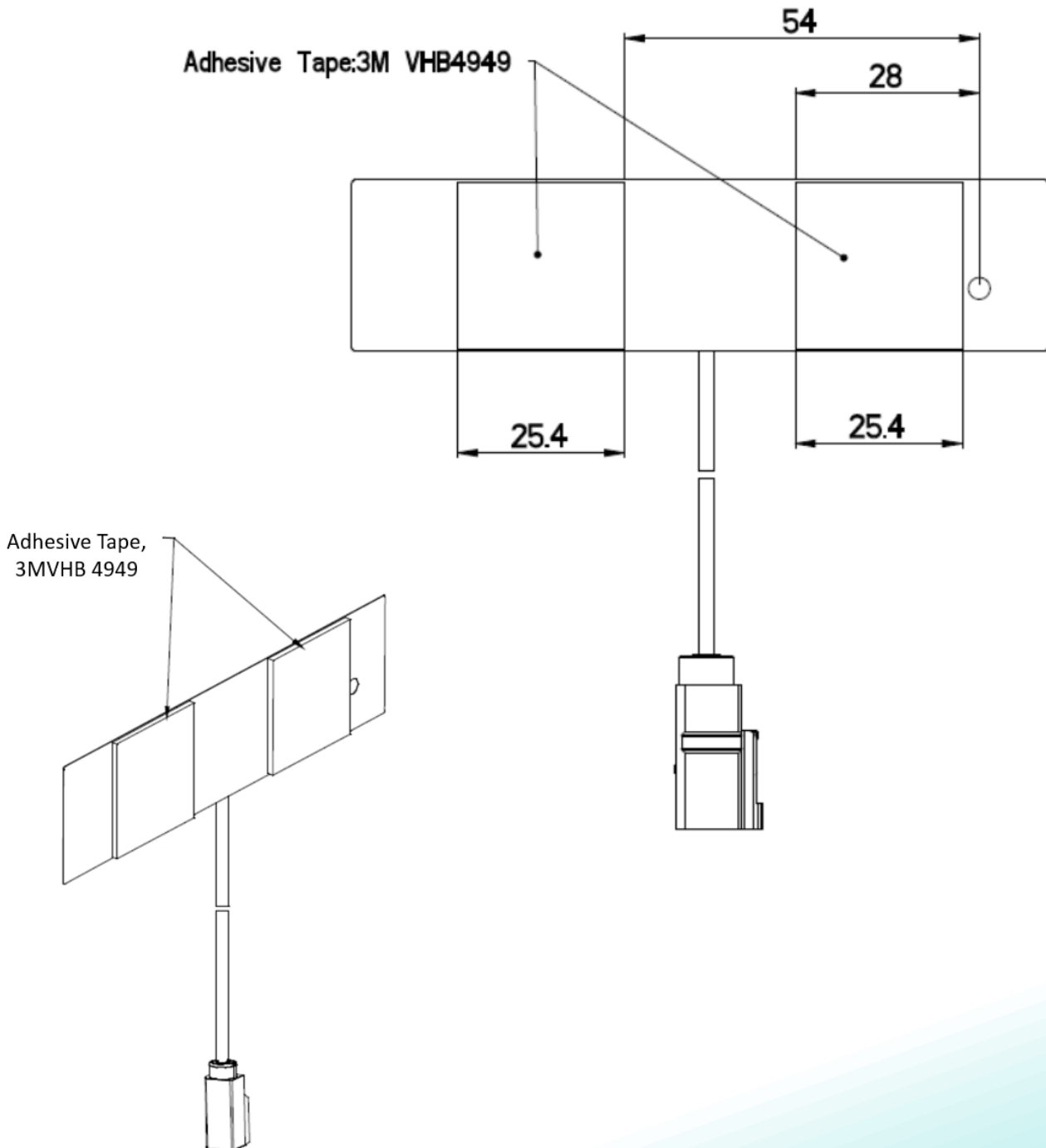
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Description: LTE 698-3600MHz FPC Antenna

Series: MIRANT

PART NUMBER: W6101

**MECHANICAL Drawing**



Issue: 1642

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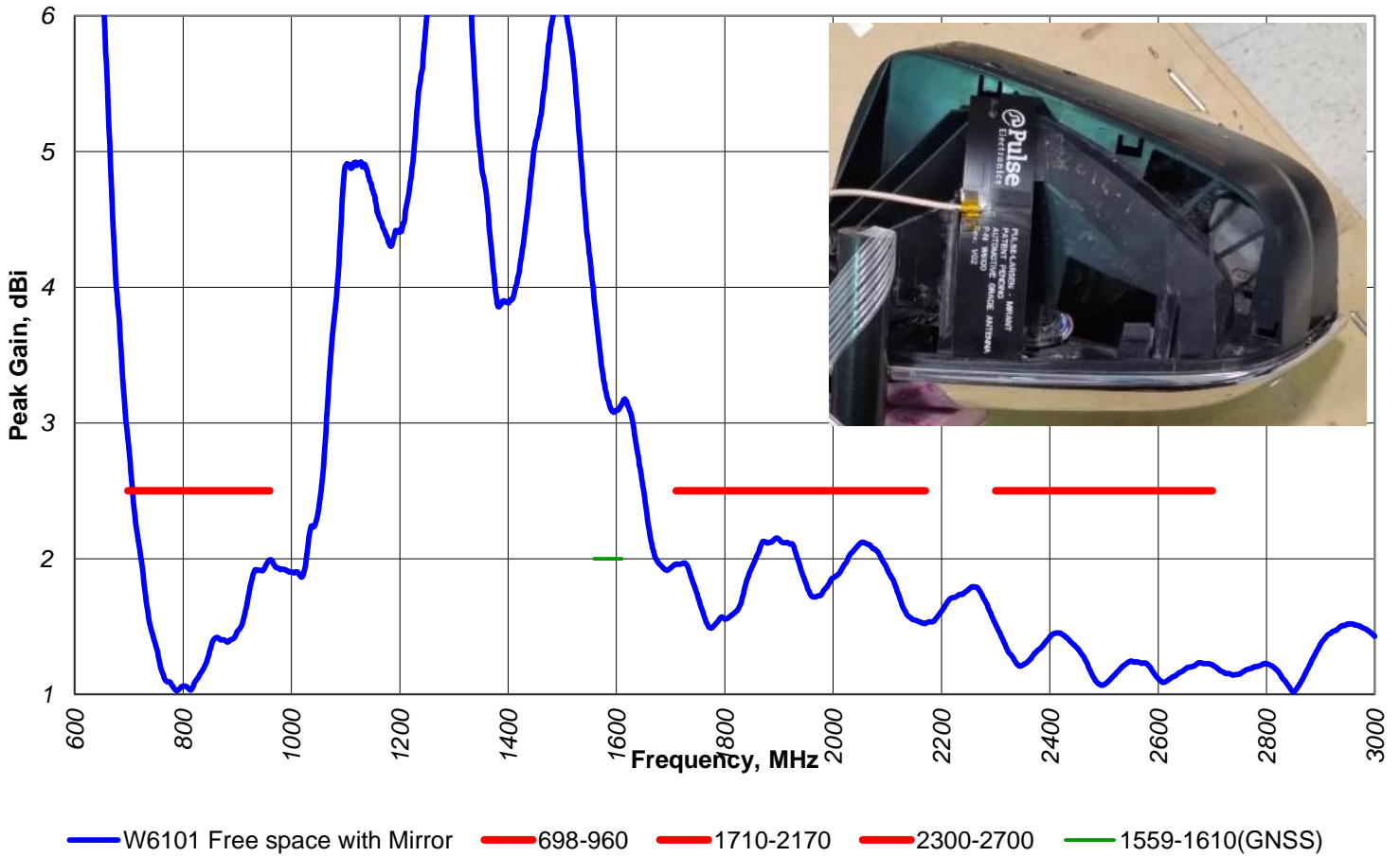
**Description: LTE 698-3600MHz FPC Antenna**

**Series: MIRANT**

**PART NUMBER: W6101**

**CHARTS**

**VSWR vs Frequency**  
**W6101 Free space with Mirror**  
Measured at Pulse, USA - Mar. 23, 2015



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**Description: LTE 698-3600MHz FPC Antenna**

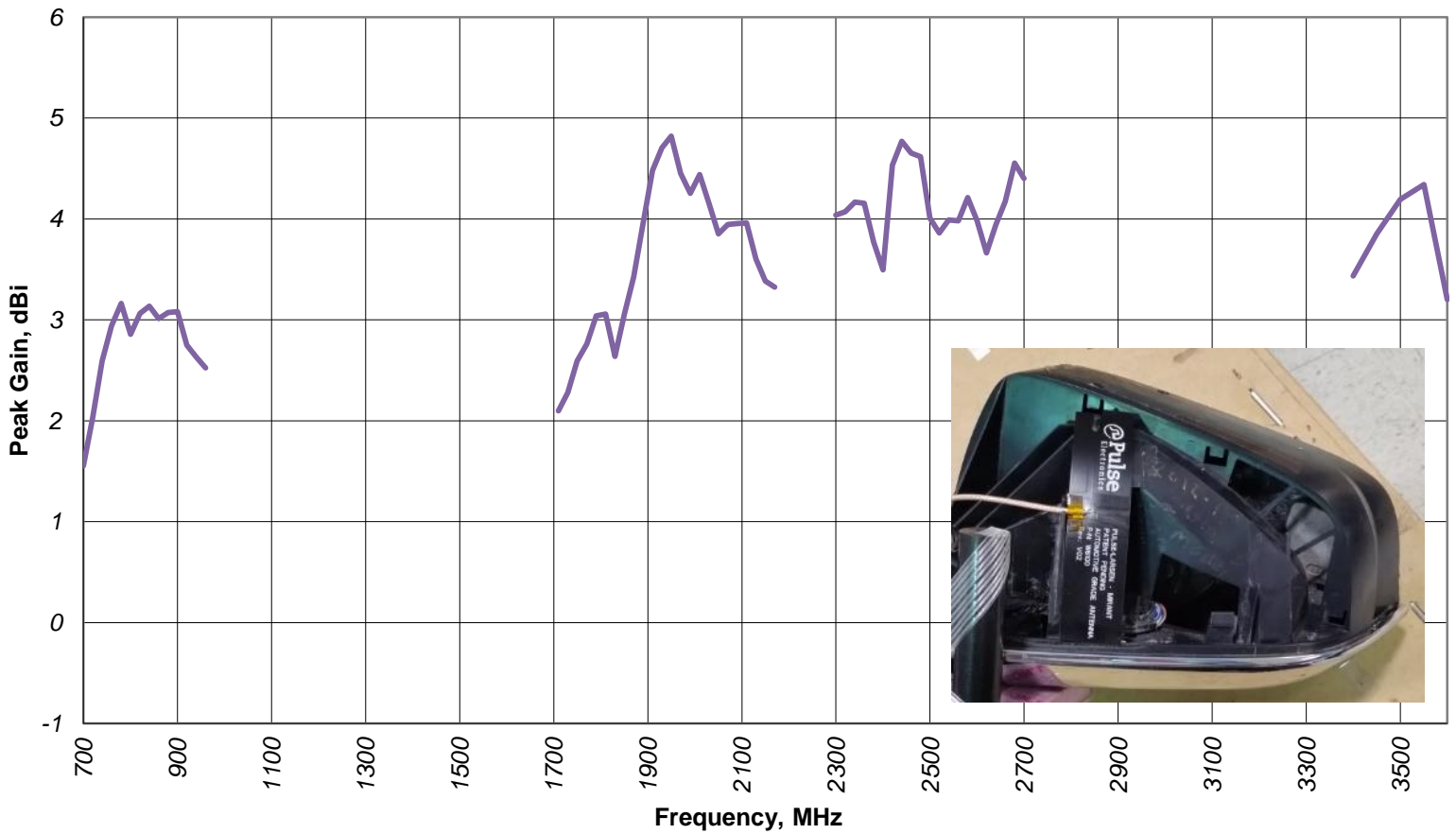
**Series: MIRANT**

**PART NUMBER: W6101**

**CHARTS**

**Peak Gain vs Frequency W6101**

Measured at Pulse, USA - May. 31, 2016



Issue: 1642

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Description: LTE 698-3600MHz FPC Antenna

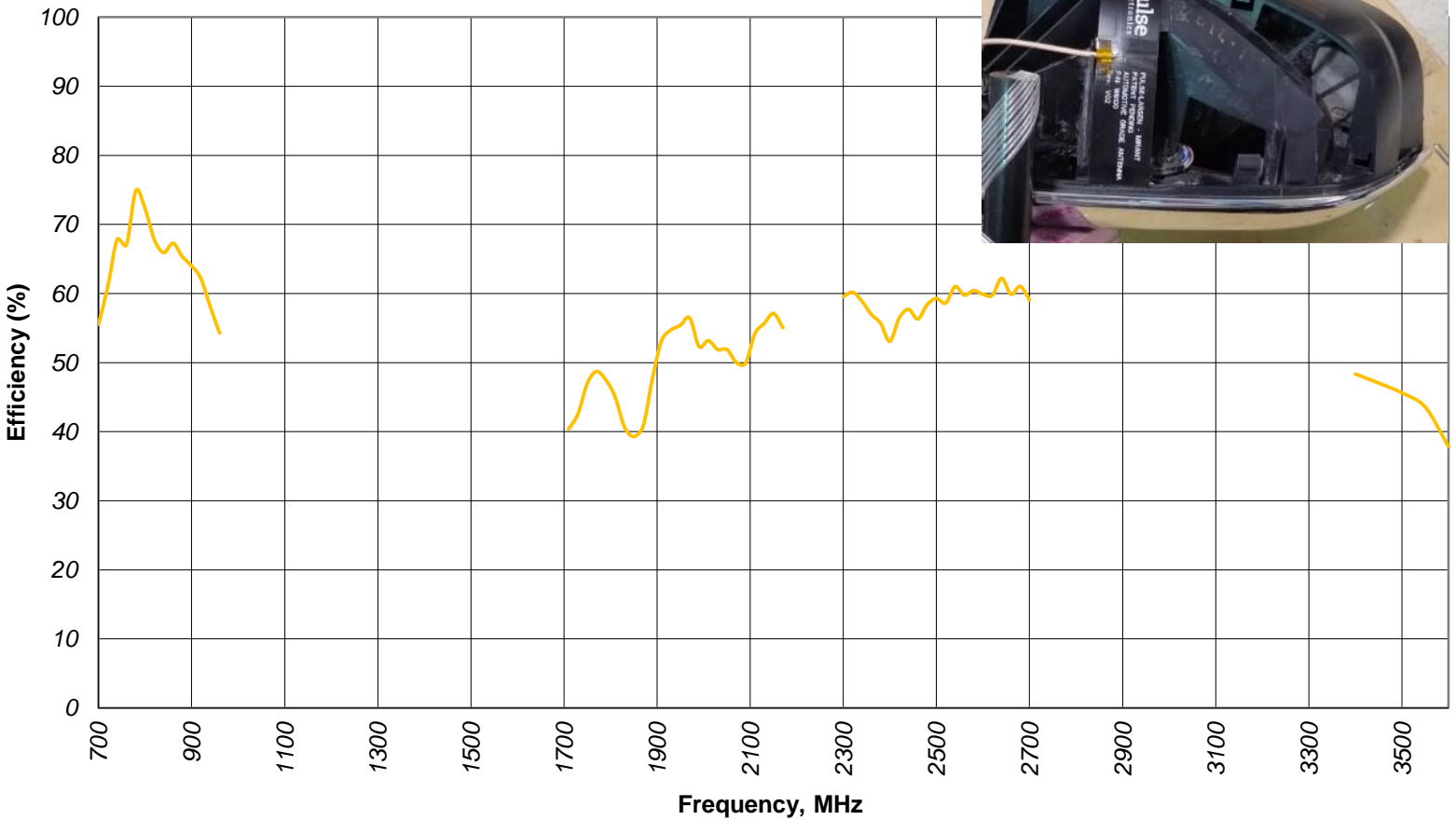
Series: MIRANT

PART NUMBER: W6101

CHARTS

Efficiency vs Frequency W6101

Measured at Pulse, USA - May. 31, 2016



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**Description: LTE 698-3600MHz FPC Antenna**

**Series: MIRANT**

**PART NUMBER: W6101**

## Packaging

1 antennas packed in one plastic bag

100 bags(TBD) of antennas packed in a cardboard box

1 label on each box with qty, part number, date code.

Issue: 1642

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