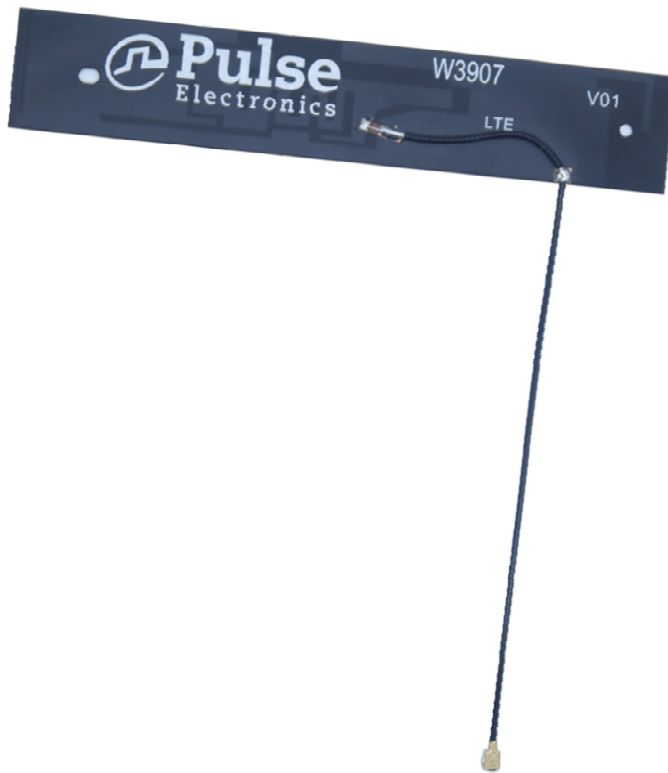


Series: Gemini

Description: LTE Diversity FPC Antenna

PART NUMBER: W3907B0100



Features:

- 2G / 3G / 4G Div Ant for MiMo
- Used as pair for W3906B0100
- Can be used as Primary antenna
- 698-3600MHz
- Global LTE Bands:
 - B1-B23, B25-B29, B33-B42
 - N.A.; Europe, Asia (incl. Jap.)
- Foldable for tight spaces

Applications:

- Challenging RF Environments Demanding:
 - Highest Peak Gain
 - Lowest ECC (Envelope Correlation Coeff.).
- Matched to Radio Modules from:
 - Sierra Wireless, Telit, Huawei, Gemalto, uBlox, ZTE, and others.
- Security, Video, Graphics
- IoT, SmartGrid, Meters, Remote Monitoring, Sensor Networks

All dimensions are in mm / inches

Issue: 1741

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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 & Co, 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



Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

ELECTRICAL SPECIFICATIONS

Frequency	698-960/1427.9-1510.9/1559-1610/ 1695-2200/2300-2700/3400-3600 MHz
Nominal Impedance	50Ω
Return loss(698-960MHz)	-6dB
Return loss(1427.9-1510.9/1559-1610/ 1695-2200/2300-2700/3400-3600MHz)	-7.5dB
Average Total Efficiency (698-960MHz)	55%
Average Total Efficiency (1427.9-1510.9MHz)	60%
Average Total Efficiency (1559-1610MHz)	60%
Average Total Efficiency (1695-2200MHz)	65%
Average Total Efficiency (2300-2700MHz)	70%
Average Total Efficiency (3400-3600MHz)	65%

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Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

ELECTRICAL SPECIFICATIONS

Peak Gain (698-960MHz)	2.9dBi
Peak Gain (1427.9-1510.9MHz)	1.7dBi
Peak Gain (1559-1610MHz)	1.8dBi
Peak Gain (1695-2200MHz)	3.4dBi
Peak Gain (2300-2700MHz)	3.8dBi
Peak Gain (3400-3600MHz)	4.2dBi
Radiation Pattern	Omni
Polarization	Linear
Power withstanding	3W

(*) All RF parameters measured on 2mm thick PC plate

Issue: 1741

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Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

MECHANICAL SPECIFICATIONS

Overall Length	110mm
Weight	1.4g
Antenna Color / Material	BLACK FPC
Cable type	AWG #32 1.13MM
Cable length (LTE)	100mm

ENVIRONMENTAL SPECIFICATIONS

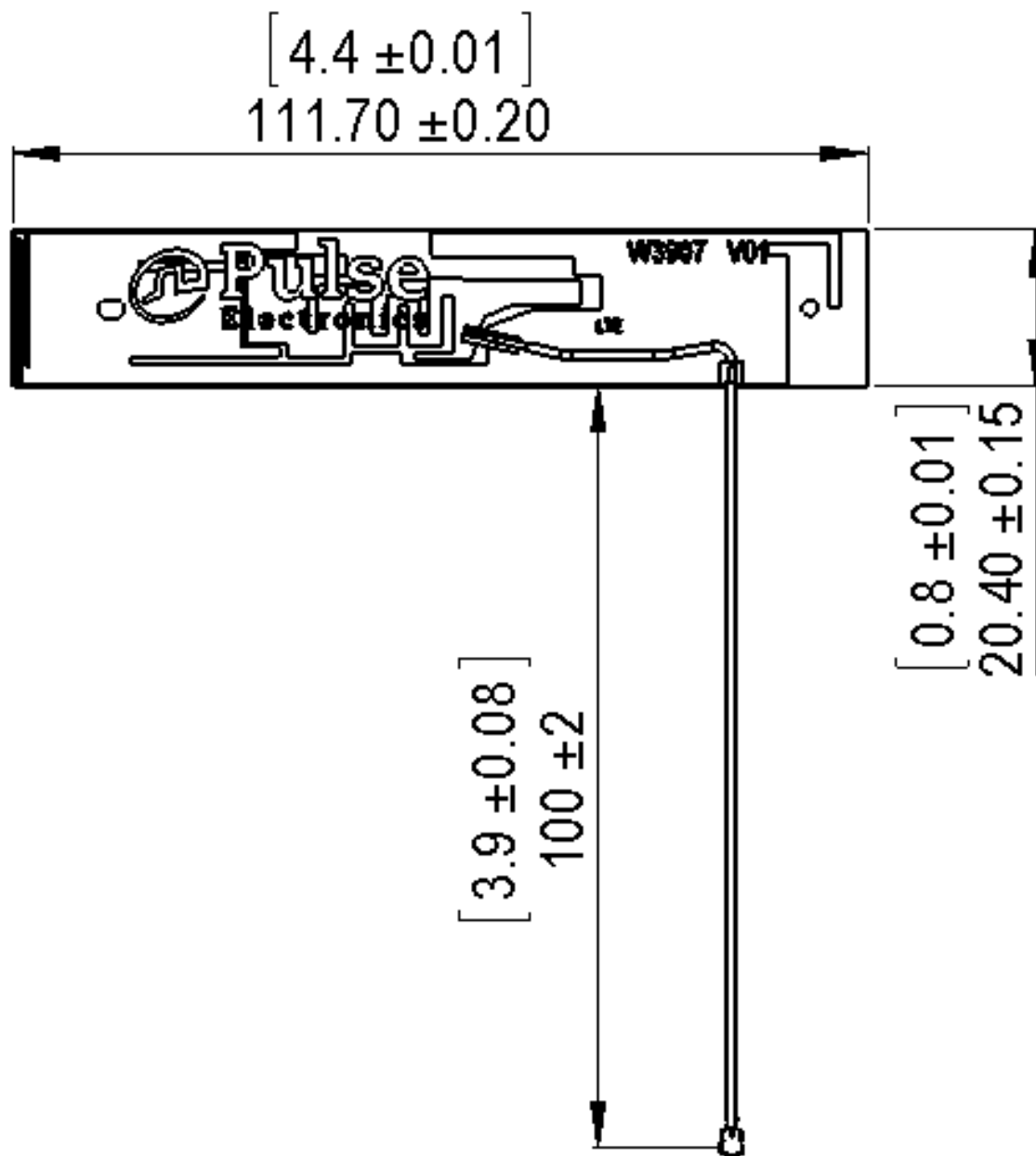
Operating Temperature	-40~+85° C
Storage Temperature	-40~+85° C
RoHS Compliant	Yes

Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

MECHANICAL DRAWING



Issue: 1741

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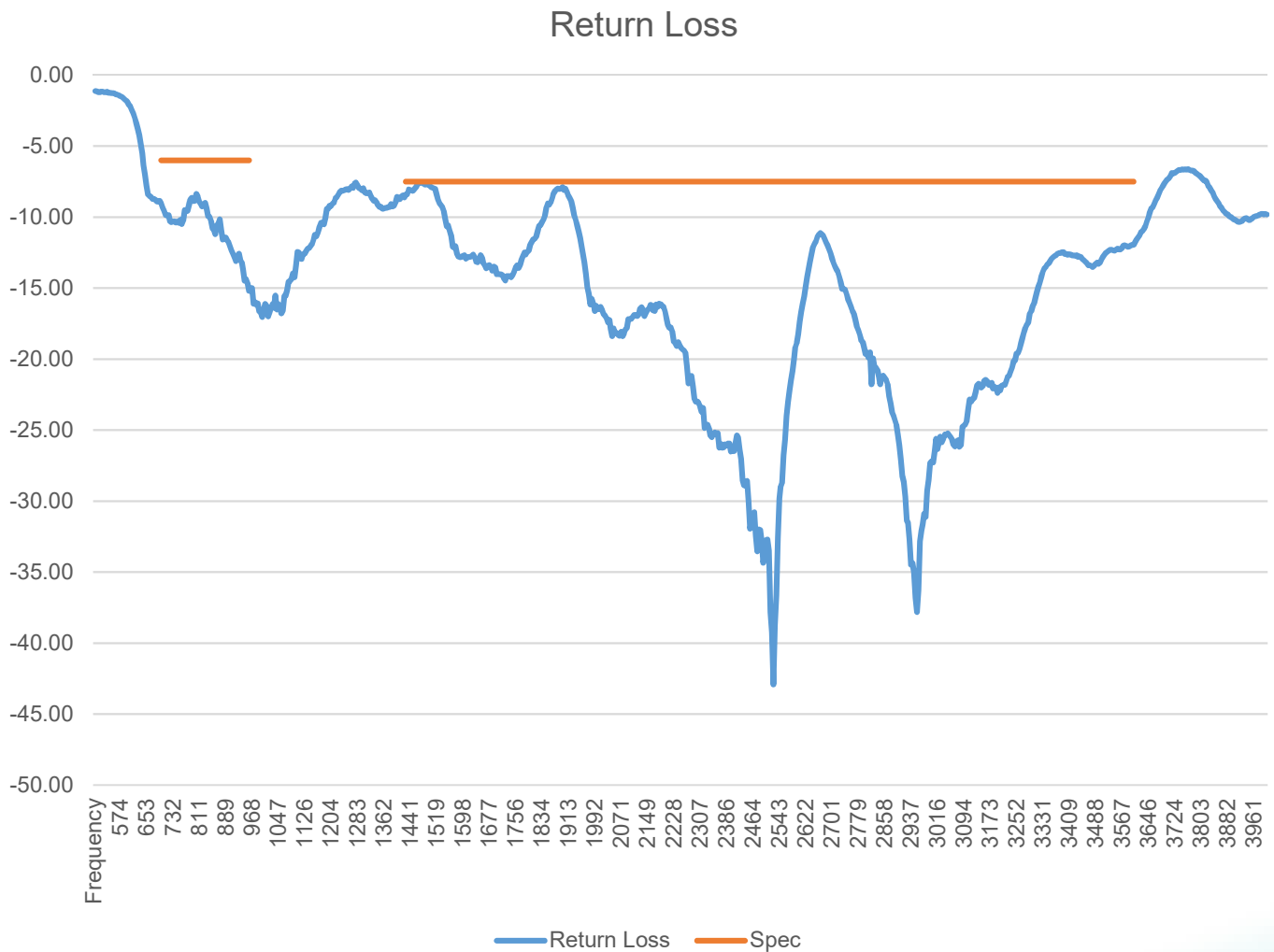
Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

CHARTS

Return Loss



Issue: 1741

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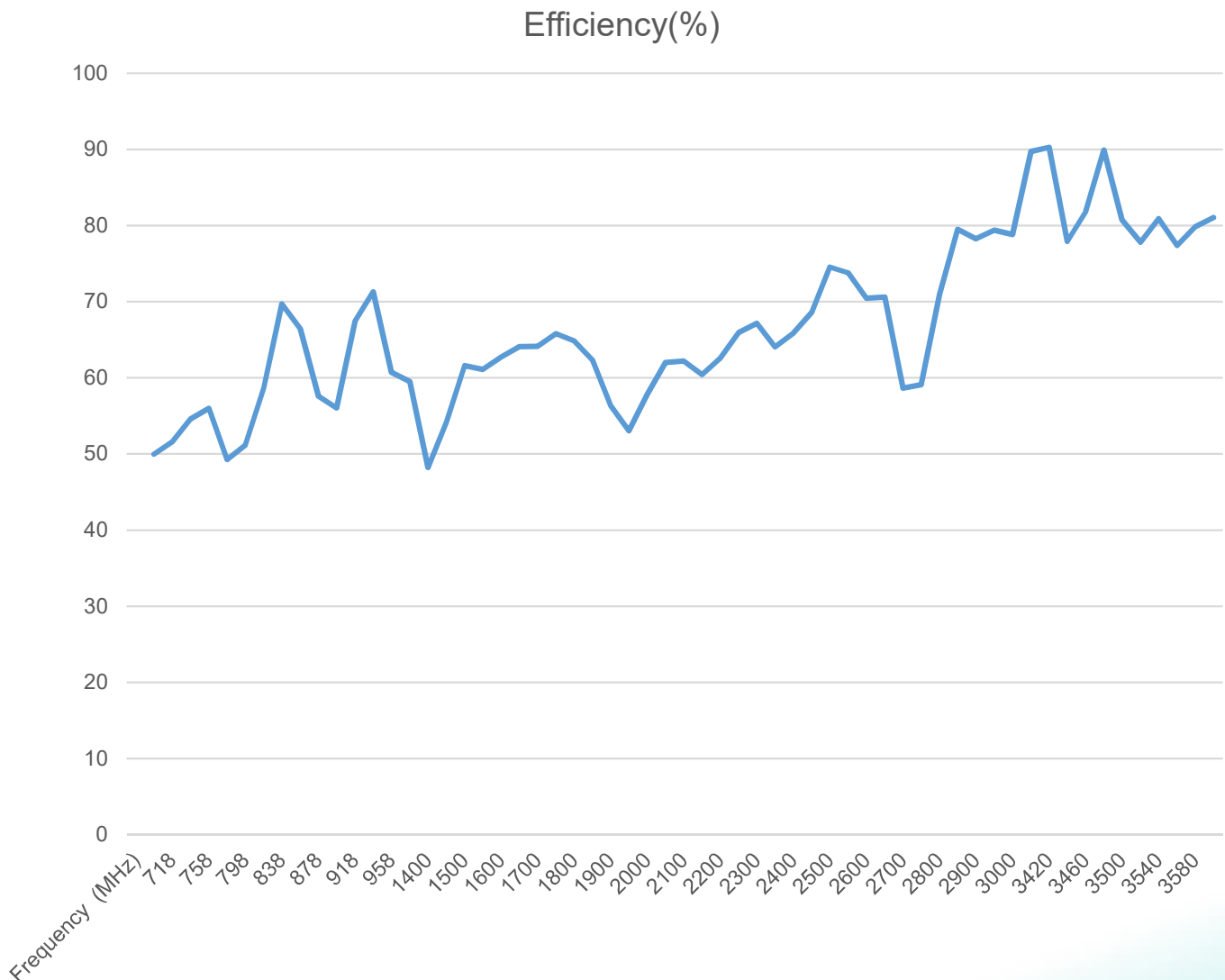
Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

CHARTS

Efficiency



Issue: 1741

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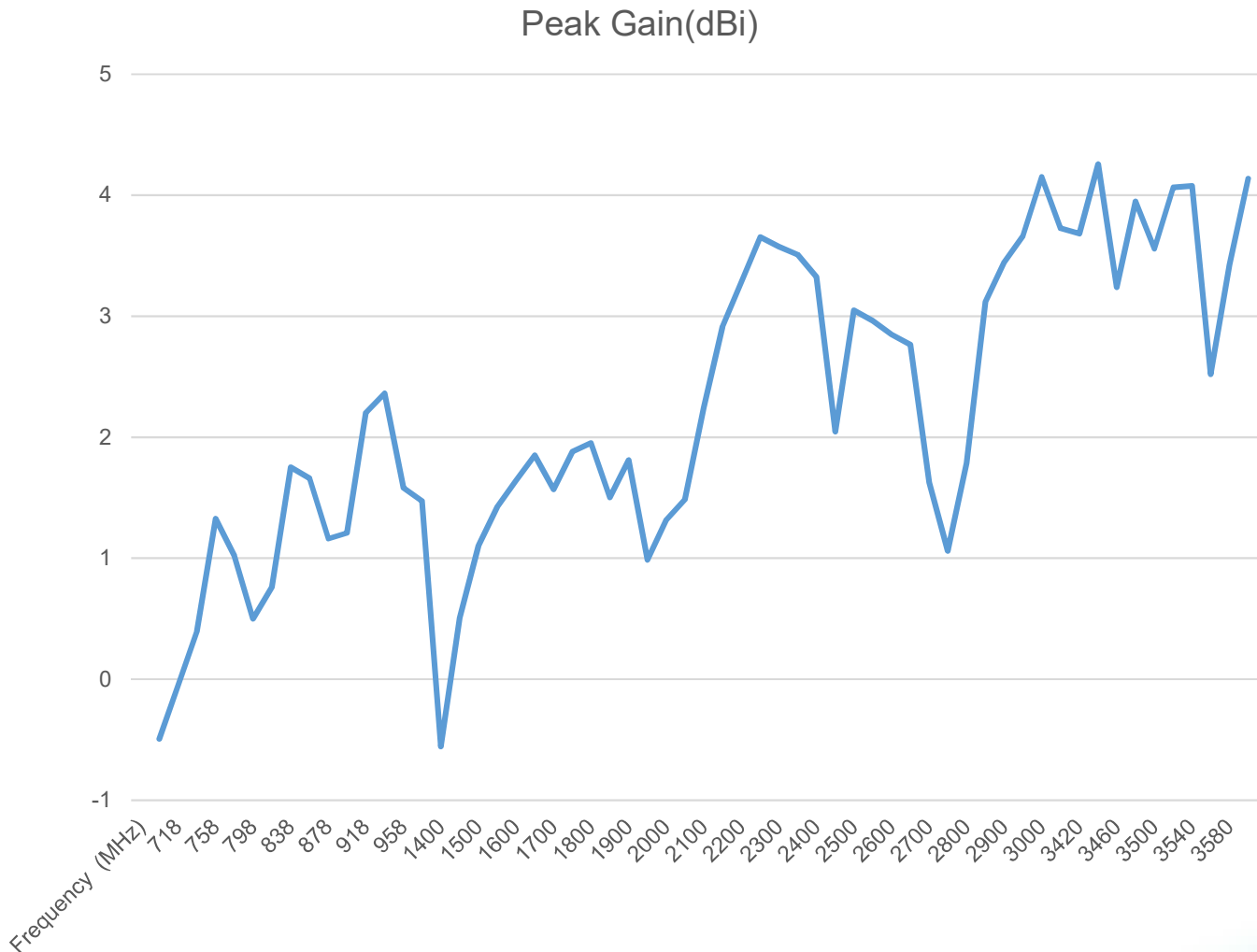
Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

CHARTS

Peak Gain



Issue: 1741

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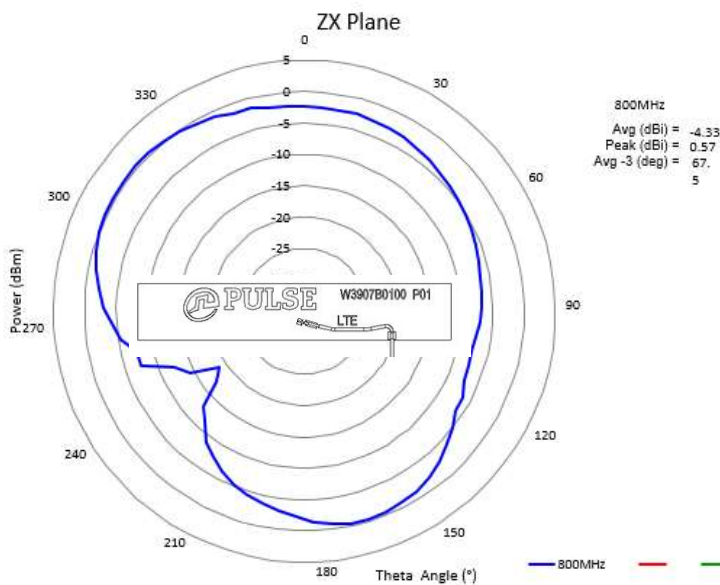
Series: Gemini

PART NUMBER: W3907B0100

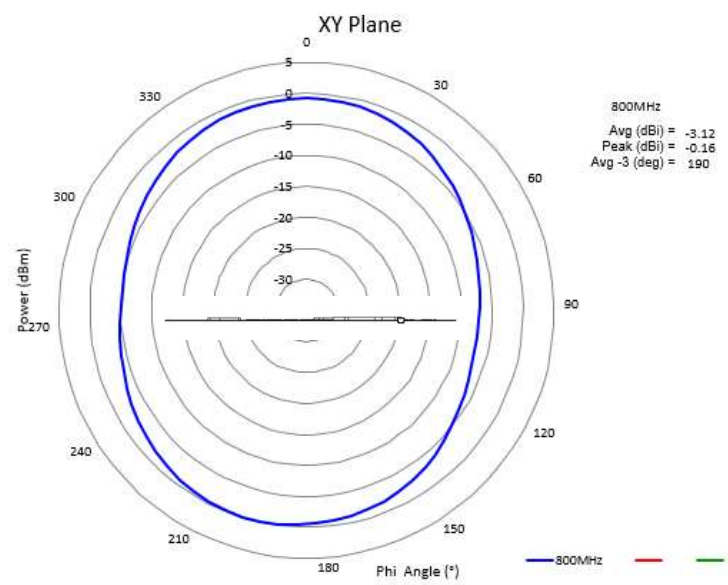
CHARTS

Typical free space radiation pattern
698-960MHz
(800MHz)

Elevation Plane



Horizontal Plane



Issue: 1741

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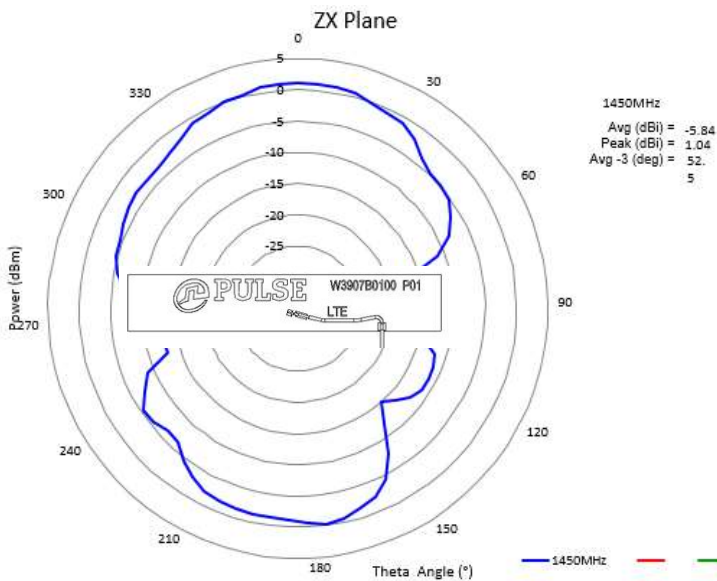
Series: Gemini

PART NUMBER: W3907B0100

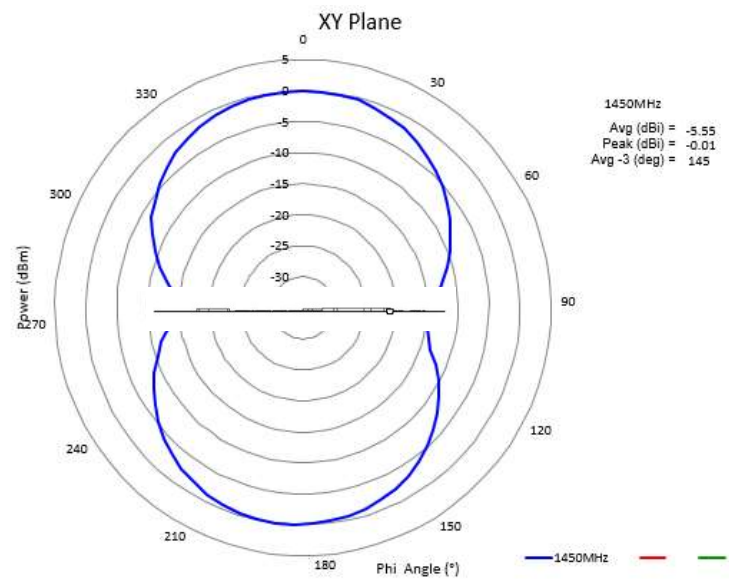
CHARTS

Typical free space radiation pattern
1427.9-1510.9MHz
(1450MHz)

Elevation Plane



Horizontal Plane



Issue: 1741

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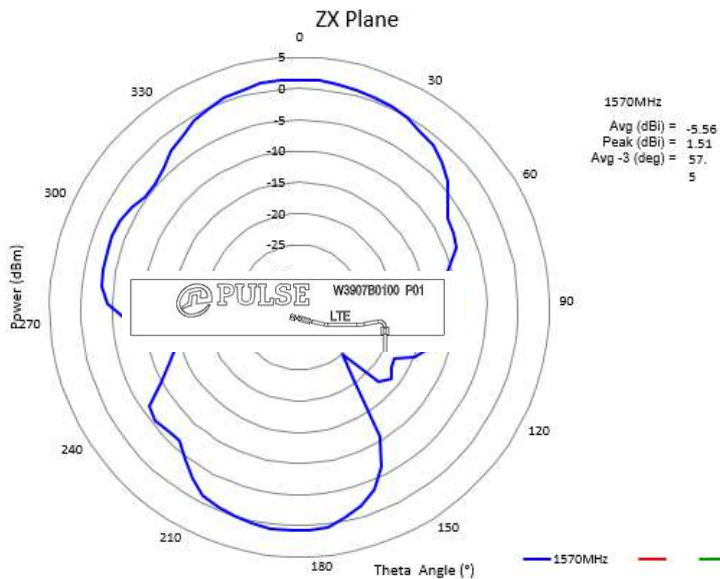
Series: Gemini

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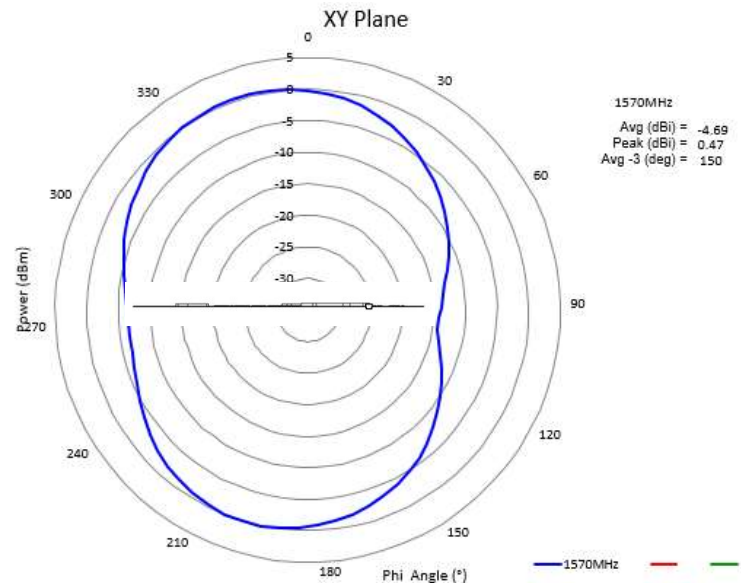
CHARTS

Typical free space radiation pattern
1559-1610MHz
(1570MHz)

Elevation Plane



Horizontal Plane



Issue: 1741

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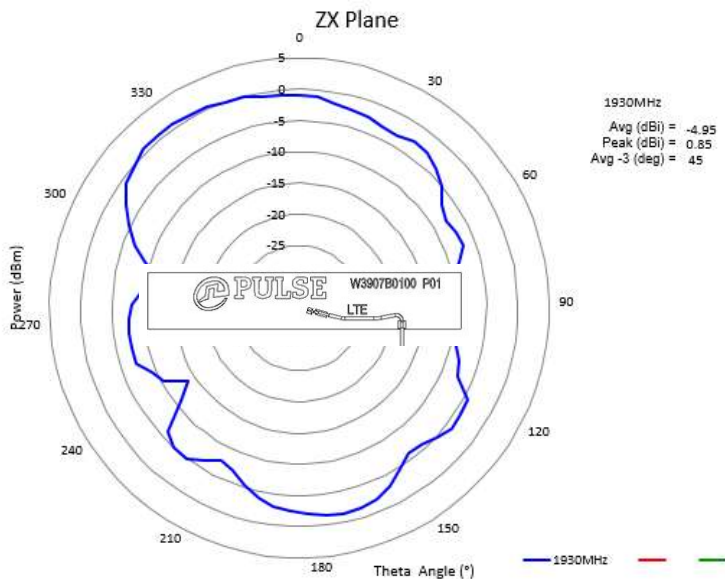
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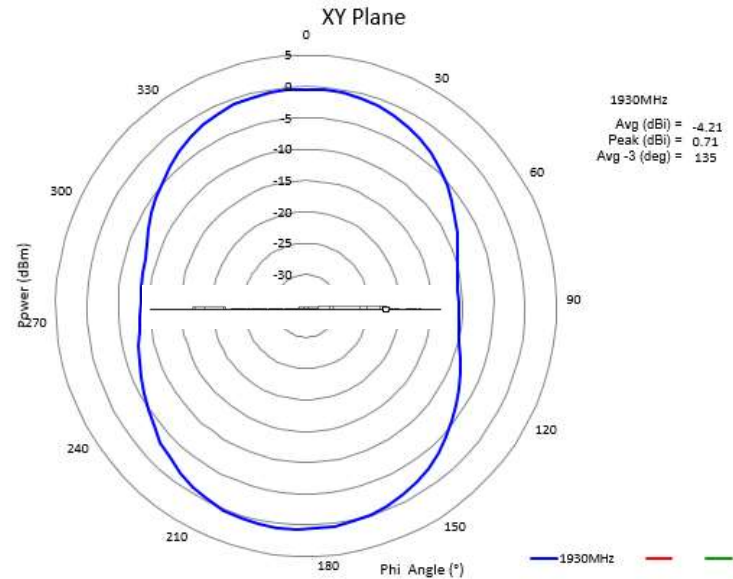
CHARTS

Typical free space radiation pattern
1695-2200MHz
(1930MHz)

Elevation Plane



Horizontal Plane



Issue: 1741

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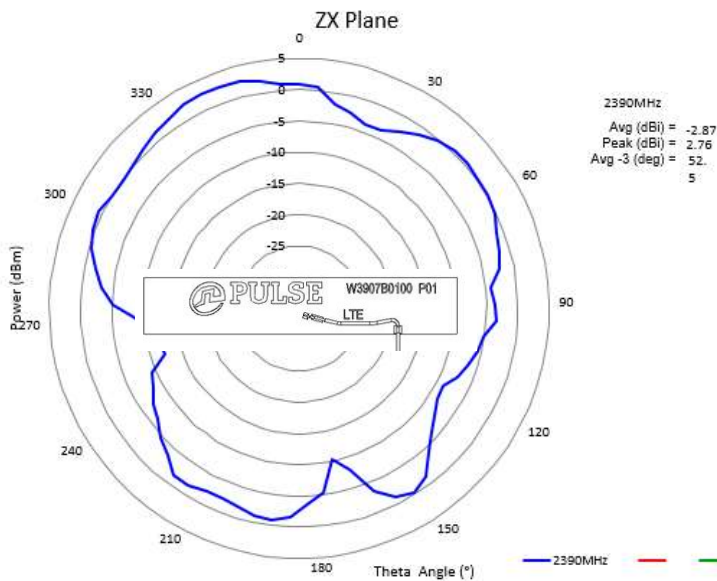
Series: Gemini

PART NUMBER: W3907B0100

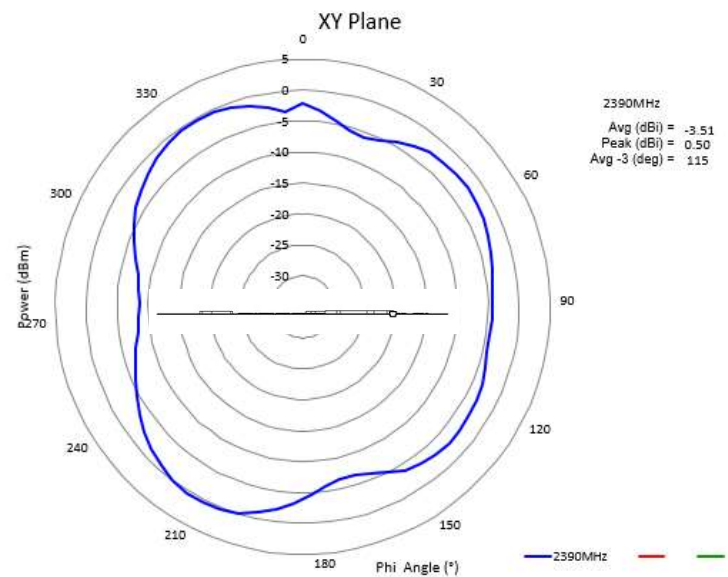
CHARTS

Typical free space radiation pattern
2300-2700MHz
(2390MHz)

Elevation Plane



Horizontal Plane



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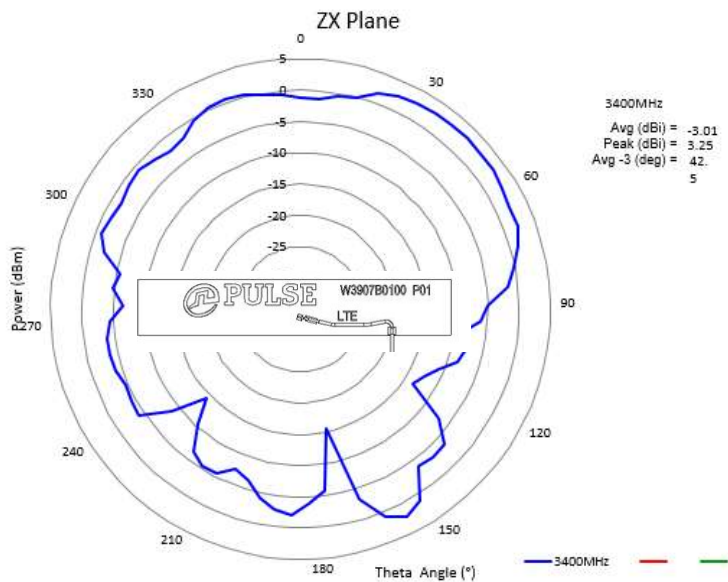
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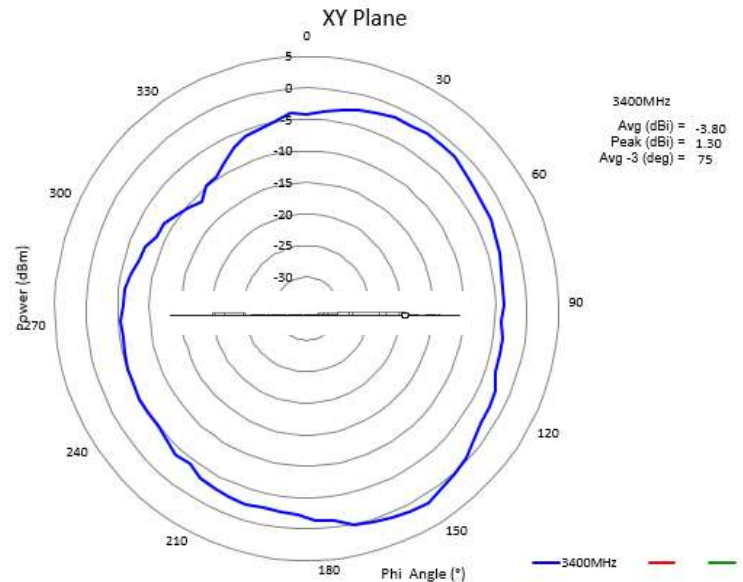
CHARTS

Typical free space radiation pattern
3400-3600MHz
(3400MHz)

Elevation Plane



Horizontal Plane



Issue: 1741

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Description: LTE Diversity FPC Antenna

Series: Gemini

PART NUMBER: W3907B0100

PACKAGING

5pcs antenna per PE bag

400pcs PE bags per form bag

2pcs form bag per package box

Total 4000pcs per package box

Package box: 460mm*235mm*140mm