




FPC Antenna W3496

Frequency: 2400-2500MHz/5150-5858MHz



Features & Applications:

-  2.4-2.5GHz/5.15-5.85GHz
-  Stable radiation pattern over operating band enables superior performance in impulse radio
-  Ultra-small Antenna size 31.75 x 23 mm



electrical specifications @ 25° C

Frequency Bands 2400-2500MHz/5150-5850MHz

Antenna type	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	3W	No

Frequency (MHz)	2400-2500	5150-5850
Return Loss(dB)	<-9.5	<-4.5
Peak Gain (dBi)	1-3	4-6
Average Efficiency (%)	52	42

Mechanical / Environmental Specifications

Pulse P/N W3496

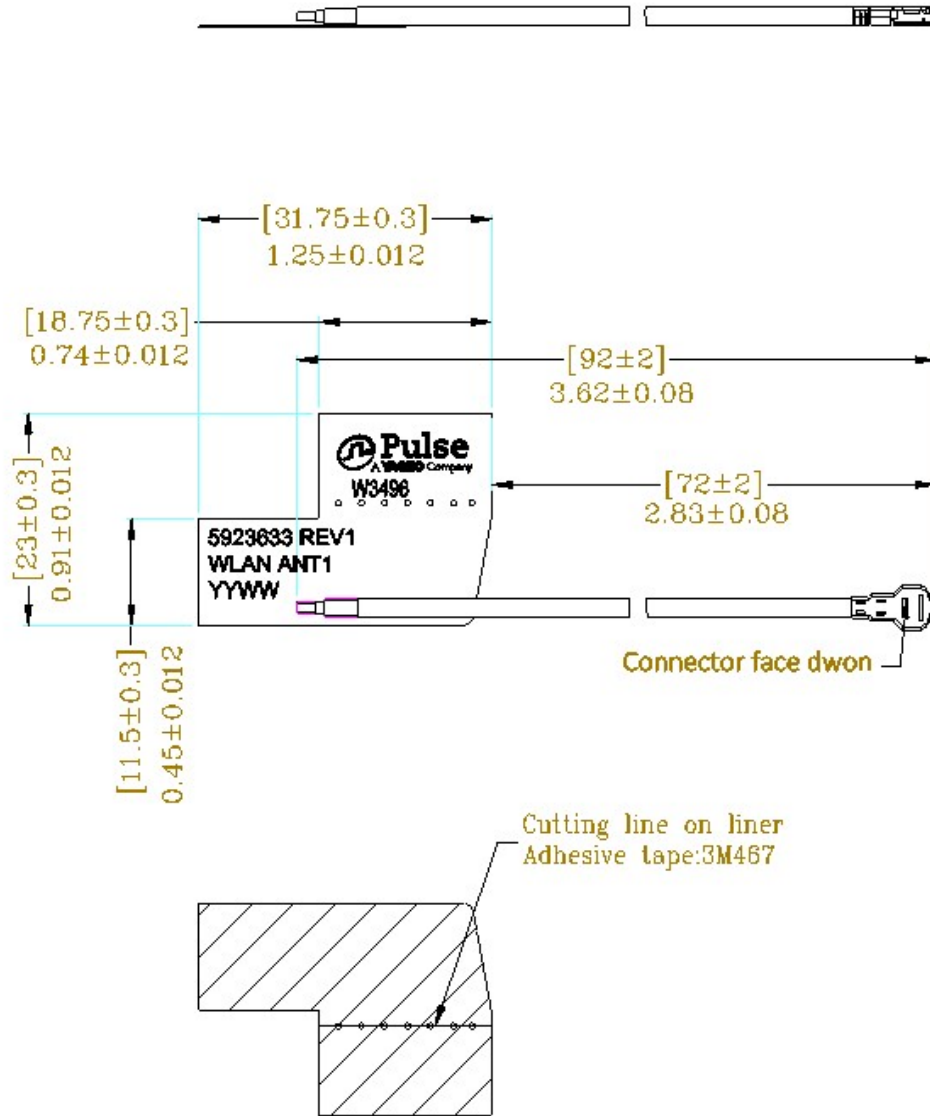
Dimension (Length x Width x Height)	Color	Weight	Connector type	Cable type	Cable length	Fixing system
31.75 x 23 x 0.12mm	Black	0.46g	20278-112R-13	1.13mm	92mm	Adhesive tape 3M467

Material	Operating Temperature	Storage Temperature	RoHS-6 Compliant
FPC	-40°C to 85°C	-40°C to 85°C	Yes

Note: Tested inside the GE HealthCare CARESCAPE ONE V2

Drawing

W3496

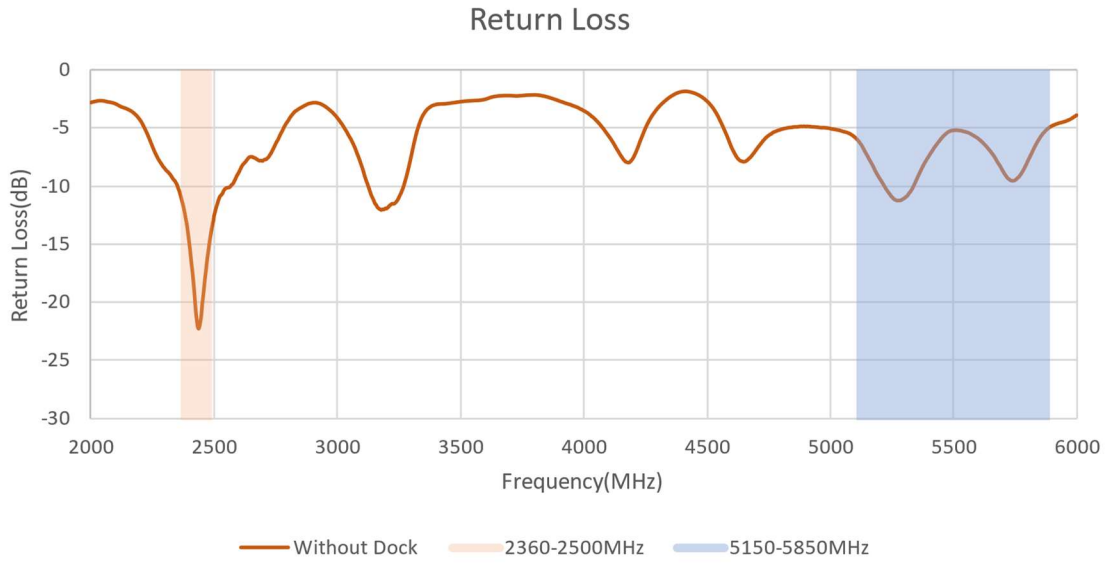


Dimensions: [mm] inches

Unless otherwise specified, all tolerances are ± 0.10 (0.25mm)

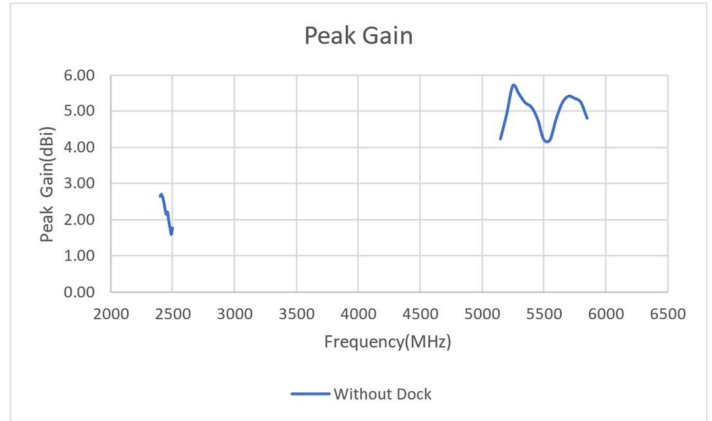
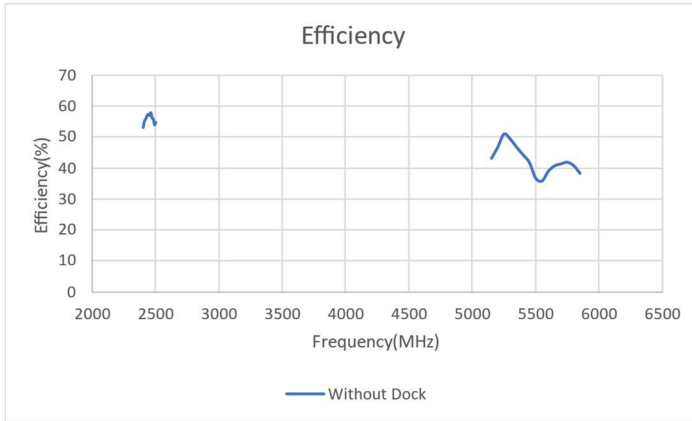
Return Loss

W3496



Peak Gain & Efficiency

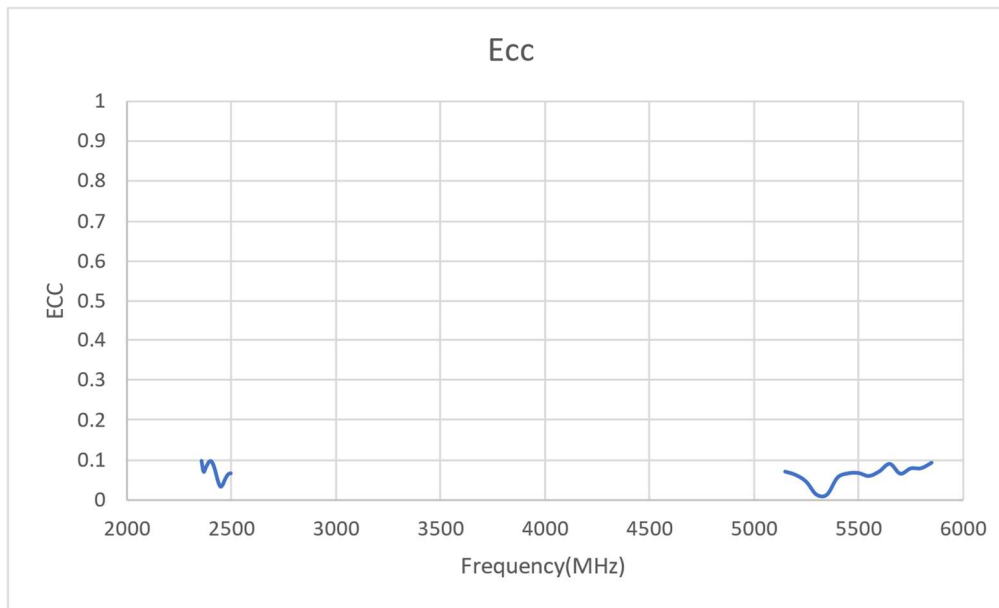
W3496



Frequency	Peak Gain(dBi)	Efficiency(%)
2400	2.65	53.15
2410	2.71	55.20
2420	2.63	55.86
2430	2.49	56.91
2440	2.29	57.44
2450	2.15	57.05
2460	2.21	57.96
2470	1.96	56.27
2480	1.78	55.85
2490	1.60	54.03
2500	1.78	54.78
	0.00	0.00
5150	4.24	43.12
5200	4.92	46.77
5250	5.71	51.05
5300	5.48	49.35
5350	5.24	46.71
5400	5.12	44.31
5450	4.79	41.80
5500	4.22	36.70
5550	4.21	35.83
5600	4.79	39.01
5650	5.24	40.74
5700	5.42	41.37
5750	5.36	41.90
5800	5.25	40.78
5850	4.81	38.26

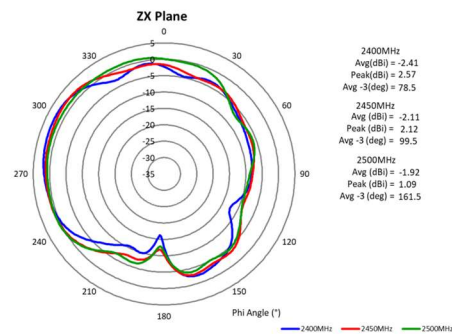
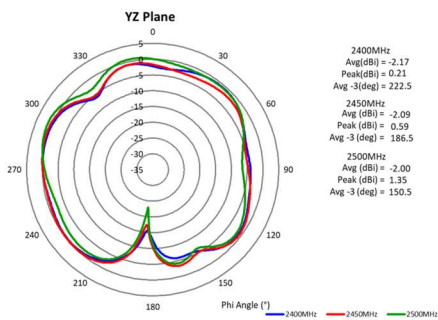
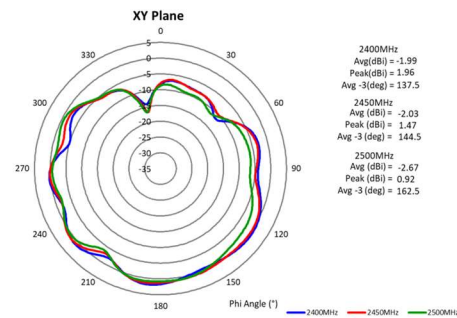
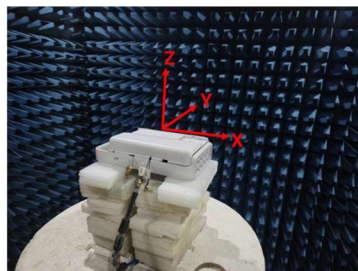
ECC with W3495 in GE device

W3496



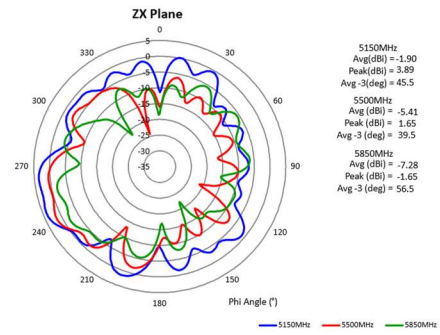
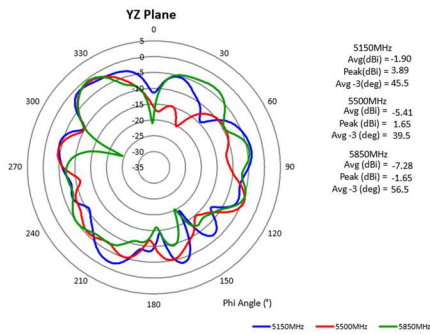
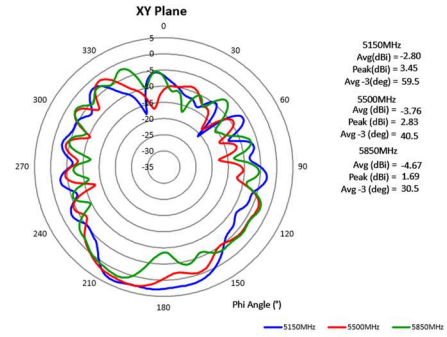
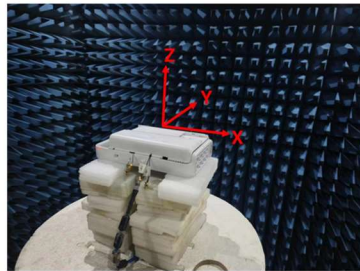
Radiation Pattern

W3496



Radiation Pattern

W3496



FPC Antenna

W3496

Frequency: 2400-2500MHz/5150-5858MHz



Packaging

W3496

mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.

10PCS/PE bag

120 PE bag/ carton box

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | [Questions?](#) +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names