

FPC Antenna

W3494

Frequency: 2360 to 2500MHz



Features & Applications:

-  2.36-2.5GHZ
-  Stable radiation pattern over operating band enables superior performance in impulse radio
-  Ultra-small Antenna size 58.6 x 22 mm



electrical specifications @ 25° C

Frequency Bands 2360 to 2500MHz

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

Port	Frequency (MHz)	2360-2500
Port 1	Return Loss(dB)	<-7
	Peak Gain (dBi)	3-5
	Average Efficiency (%)	50
Port 2	Return Loss(dB)	<-8
	Peak Gain (dBi)	1.5-3
	Average Efficiency (%)	42

Mechanical / Environmental Specifications

Pulse P/N W3494

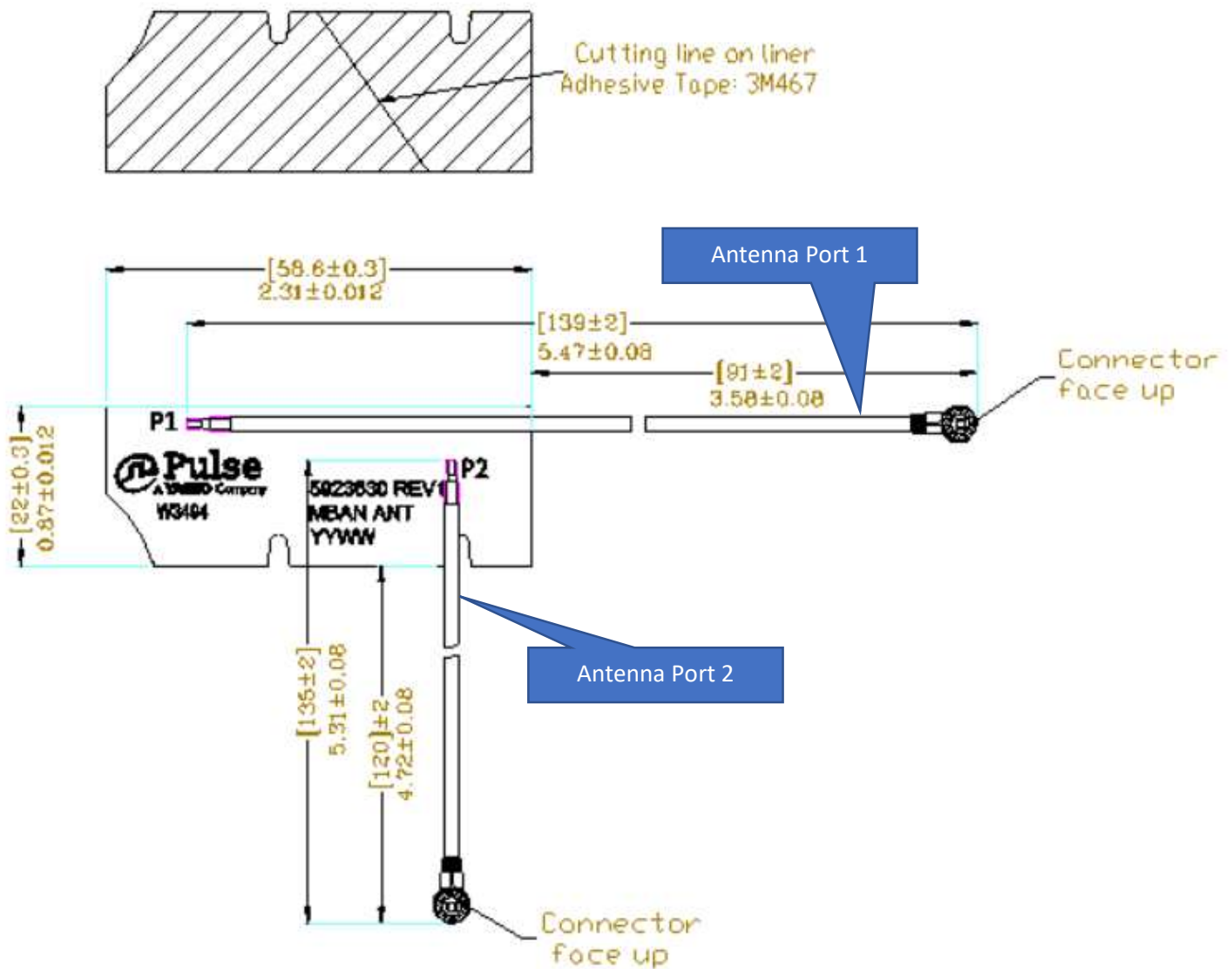
Dimension (Length x Width x Height)	Color	Weight	Connector type	Cable type	Cable length	Fixing system
58.6 x 22 x 0.12mm	Black	1.12g	20565-001R-13	1.13mm	139mm and 135mm	Adhesive tape 3M467

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

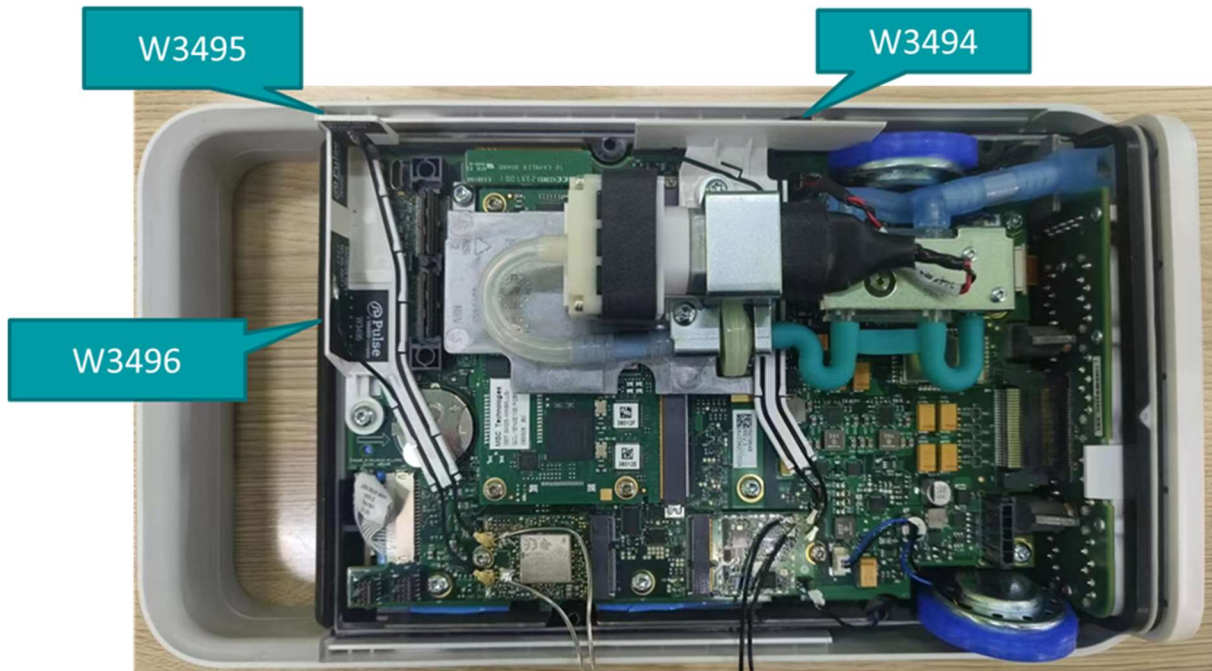
Drawing

W3494

**Dimensions:** [mm] inchesUnless otherwise specified, all tolerances are ± 0.10 (0.25mm)

Test setup

W3494



Without Dock



Port 1-Return Loss

W3494-Port 1



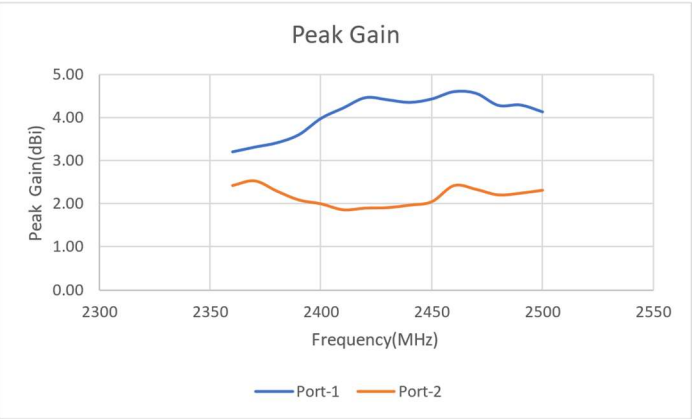
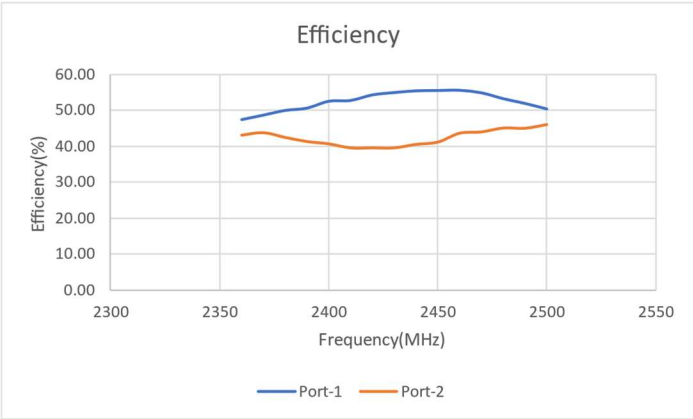
Port 2-Return Loss

W3494-Port2



Port 1-Peak Gain & Efficiency

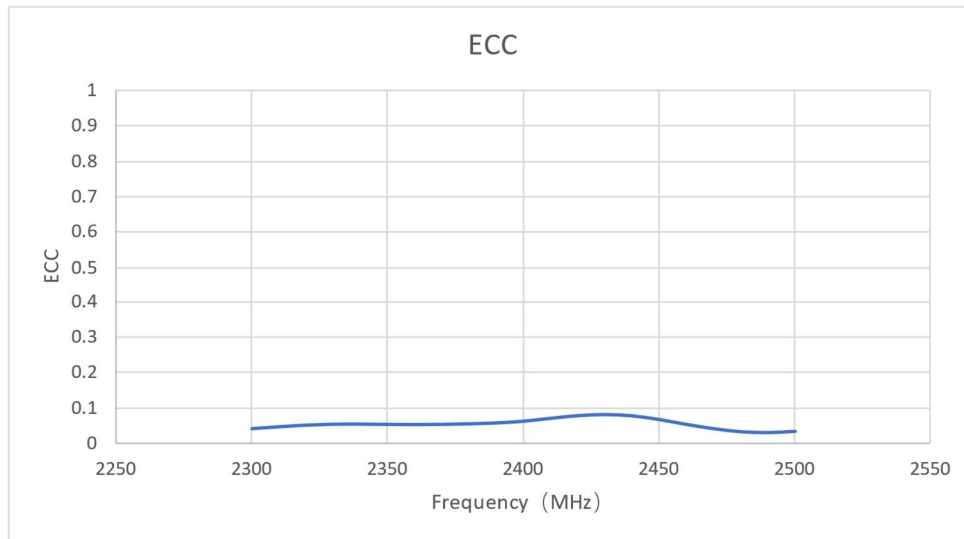
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Frequency	Peak Gain(dBi)		Efficiency(%)	
	Port-1	Port-2	Port-1	Port-2
2360	3.20	2.43	47.39	43.10
2370	3.31	2.54	48.67	43.78
2380	3.41	2.30	50.00	42.46
2390	3.60	2.09	50.65	41.33
2400	3.98	2.00	52.60	40.69
2410	4.22	1.86	52.82	39.58
2420	4.46	1.90	54.40	39.59
2430	4.41	1.91	55.06	39.59
2440	4.35	1.97	55.55	40.55
2450	4.43	2.05	55.64	41.17
2460	4.60	2.43	55.71	43.64
2470	4.56	2.34	54.99	43.99
2480	4.28	2.21	53.33	45.07
2490	4.29	2.25	51.98	45.00
2500	4.13	2.32	50.42	46.02

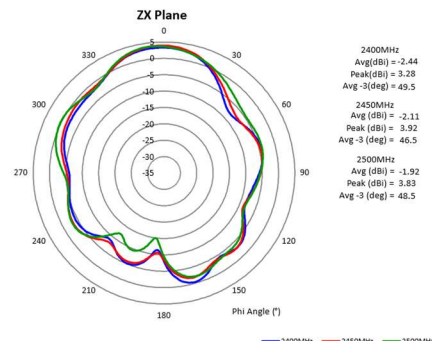
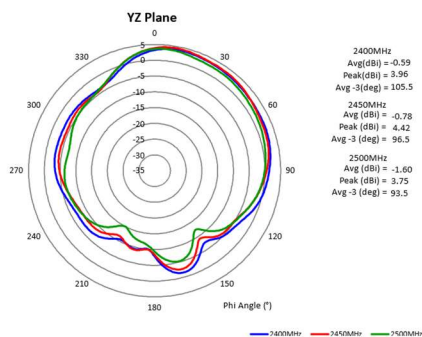
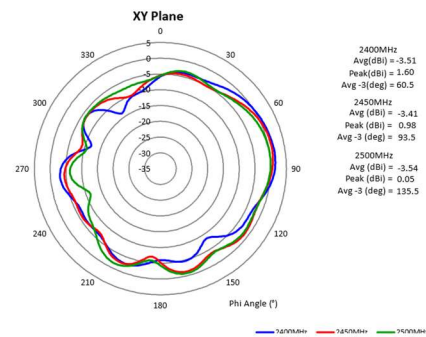
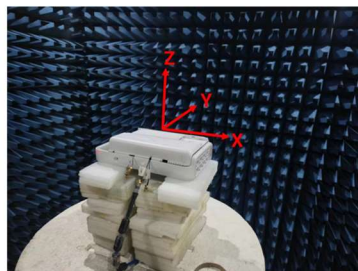
ECC of Port 1-2 in GE device

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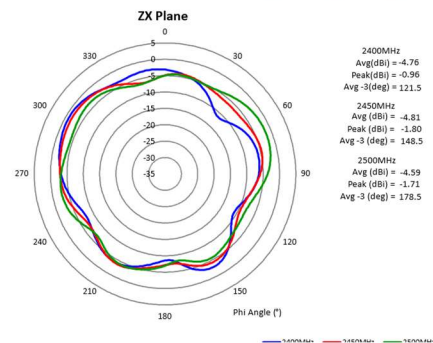
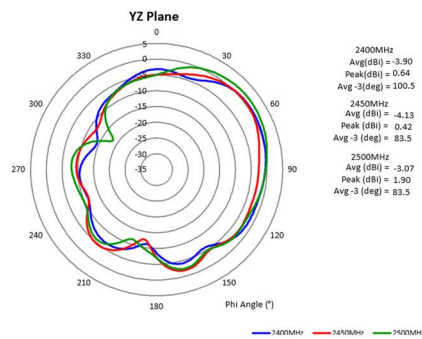
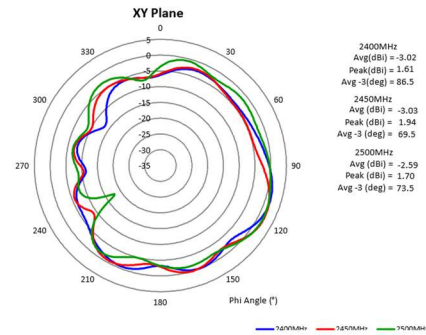
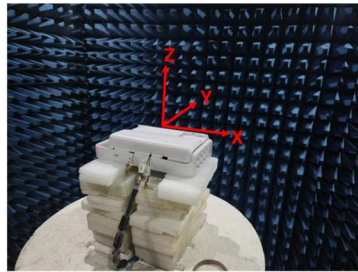
Radiation Pattern

W3494 Port-1



Radiation Pattern

W3494 Port-2



Packaging

W3494

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10PCS/PE bag

120 PE bag/ carton box

For More Information:

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