

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

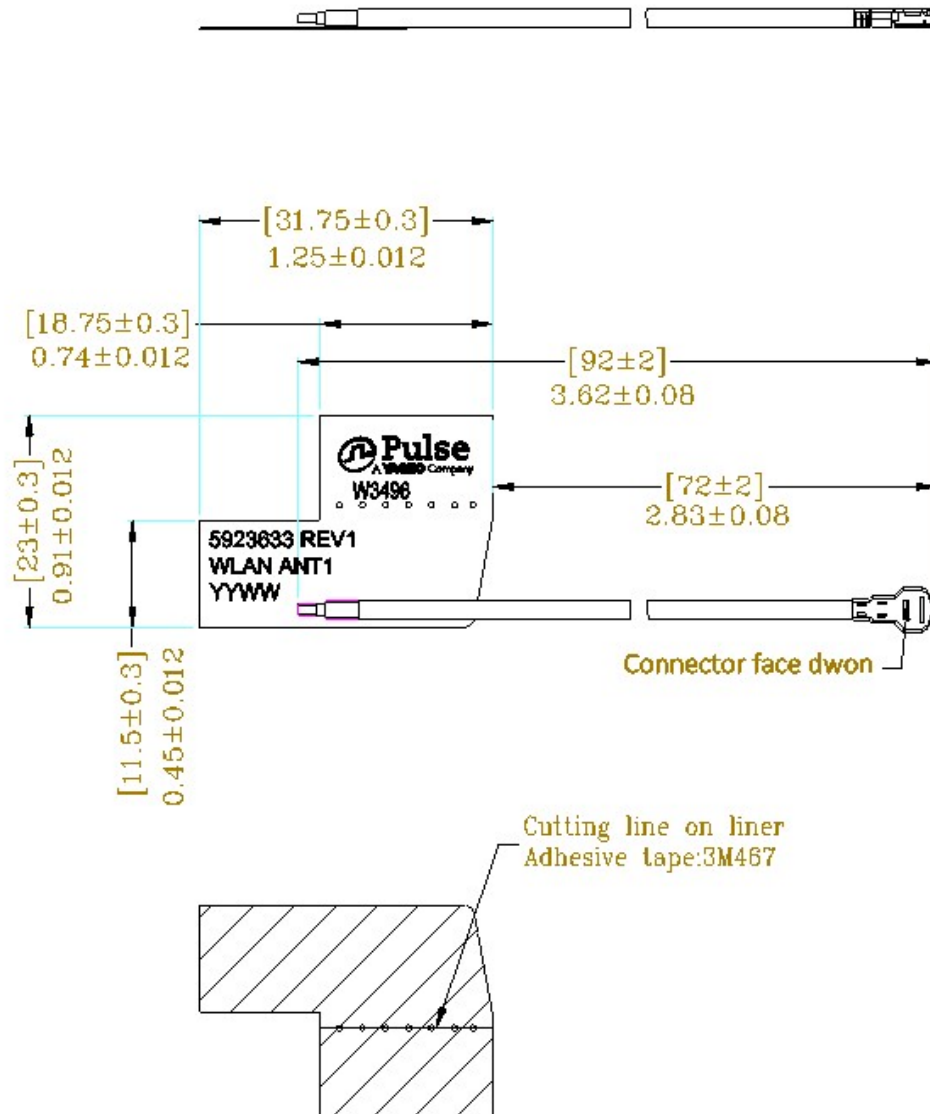
FPC Antenna

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Frequency: 2400-2500MHz/5150-5858MHz

Drawing

W3496

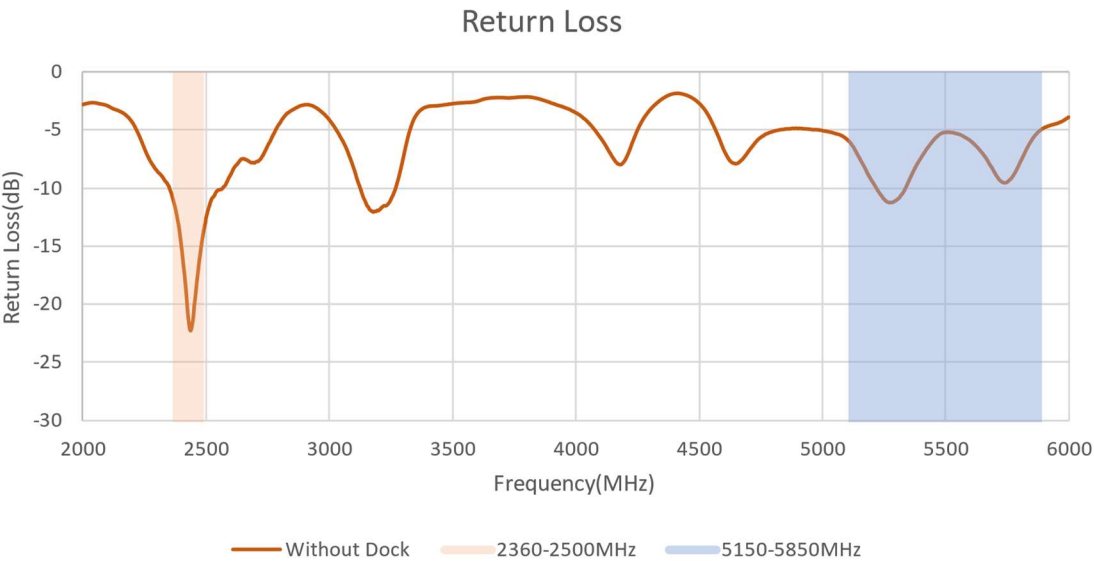


Dimensions: [mm] inches

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

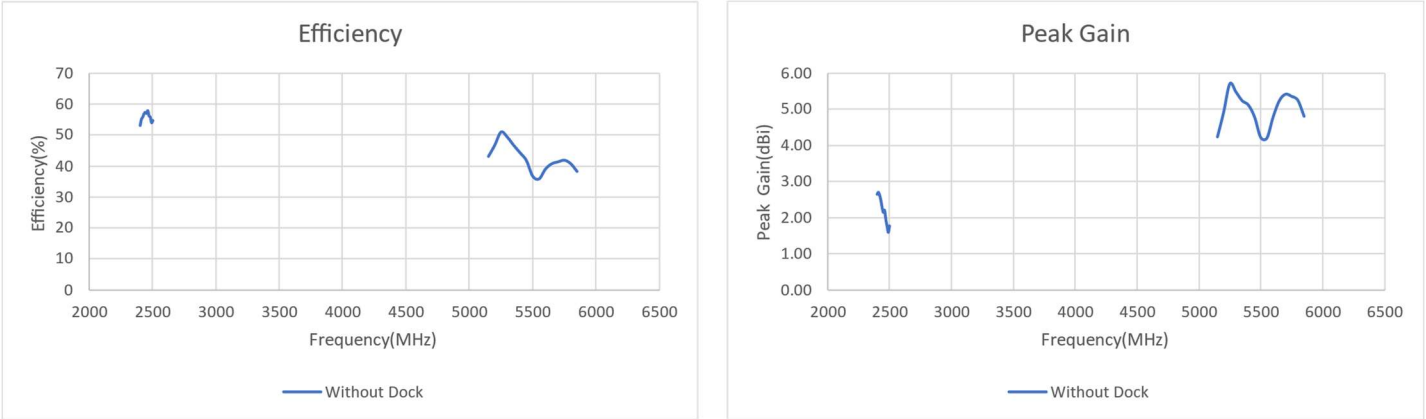
Return Loss

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Peak Gain & Efficiency

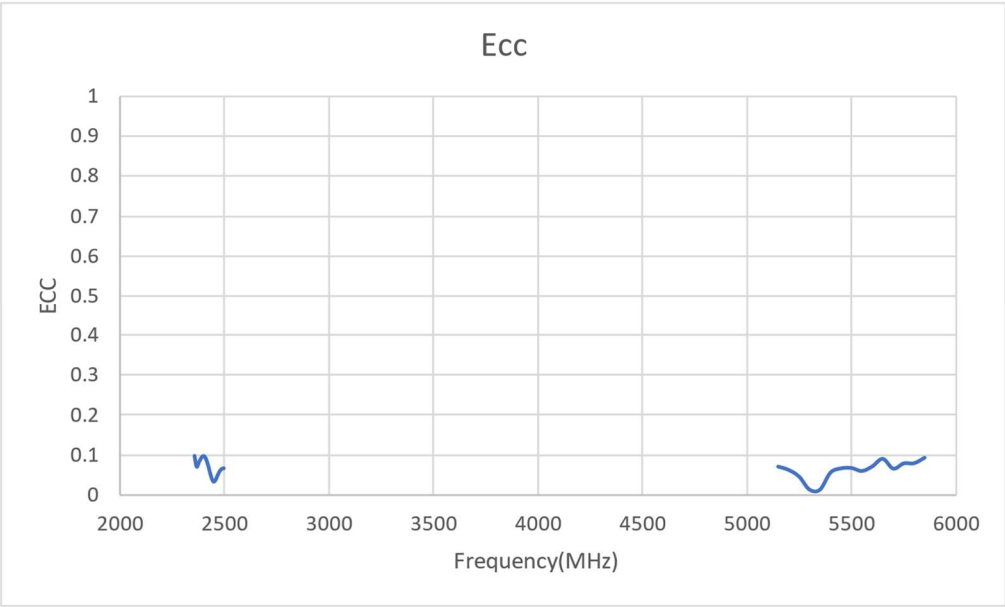
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Frequency	Peak Gain(dBi)	Efficiency(%)
2400	2.65	53.15
2410	2.71	55.20
2420	2.63	55.86
2430	2.49	56.91
2440	2.29	57.44
2450	2.15	57.05
2460	2.21	57.96
2470	1.96	56.27
2480	1.78	55.85
2490	1.60	54.03
2500	1.78	54.78
	0.00	0.00
5150	4.24	43.12
5200	4.92	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

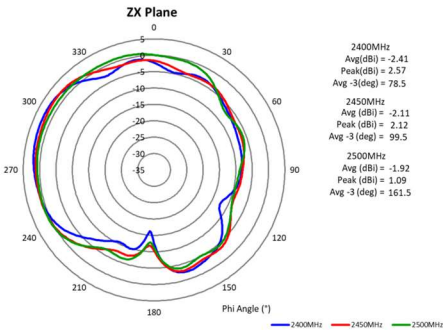
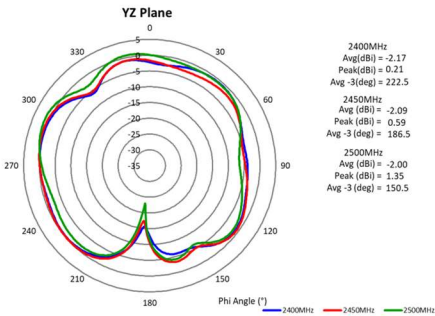
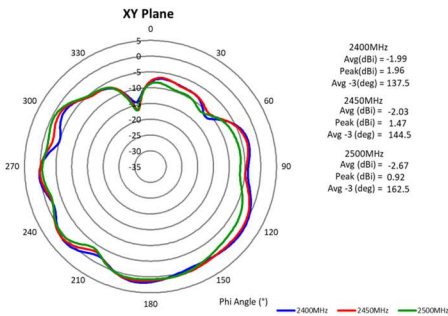
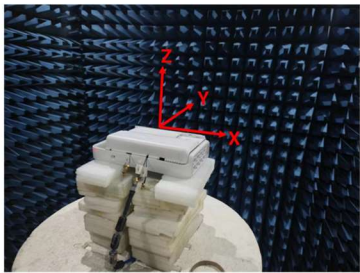
ECC with W3495 in GE device

W3496



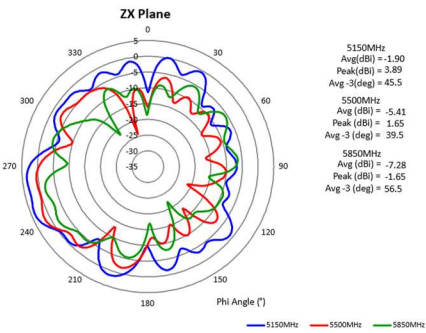
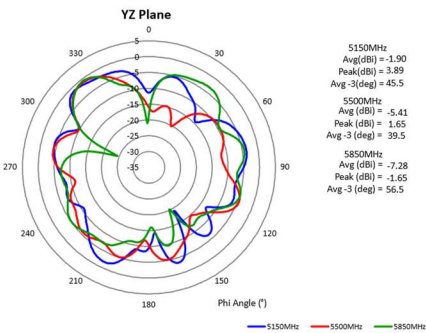
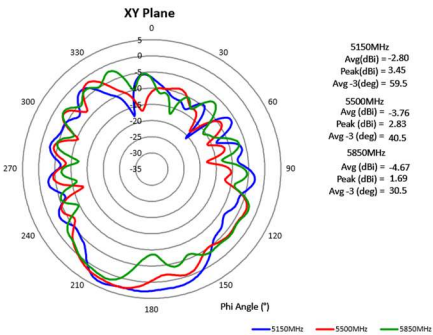
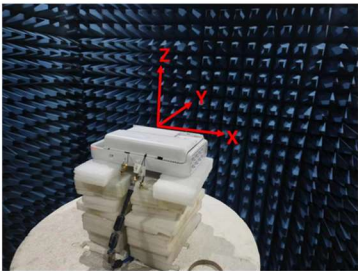
Radiation Pattern

W3496



Radiation Pattern

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120 PE bag/ carton box

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