

FPC Antenna W3483&W3482

Frequency: 2400-2500MHz/5150-5858MHz



Features & Applications:

WLAN 2.4-2.5GHz/5.15-5.85GHz



Electrical specifications @ 25° C

Frequency Bands 2400-2500MHz/5150-5850MHz

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

Electrical Specifications

W3483 & W3482

Frequency (MHz)	2400-2500	5150-5850
VSWR	<2.5:1	<3:1
Peak Gain (dBi)	< 5	< 6
Average Efficiency (%)	>30	>30
Isolation(dB)	>10	>10

Mechanical / Environmental Specifications

Pulse P/N W3483

Dimension (Length x Width x Height)	Color	Weight	Connector type	Cable type	Cable length	Fixing system
30 x 10 x 0.15mm	Black	0.7g	I-PEX 20278-112R-13	1.13mm	195mm	Adhesive tape 3M467 (Two years @22°C and 50%R.H)

Mechanical / Environmental Specifications

Pulse P/N W3482

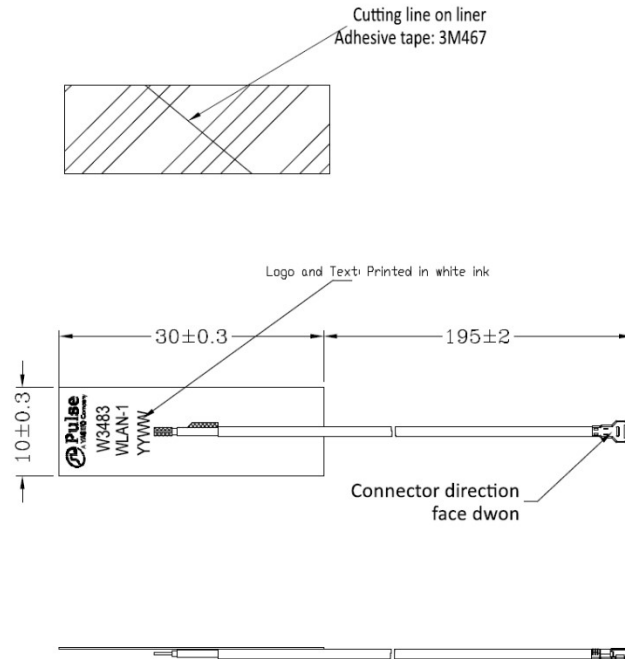
Dimension (Length x Width x Height)	Color	Weight	Connector type	Cable type	Cable length	Fixing system
30.65 x 13 x 0.15mm	Black	0.4g	I-PEX 20278-112R-13	1.13mm	50mm	Adhesive tape 3M467 (Two years @22°C and 50%R.H)

Material	Operating Temperature	Storage Temperature	RoHS-6 Compliant
FPC	-45°C to 85°C	-45°C to 85°C	Yes

Note: Test in equipment provided by GE HealthCare

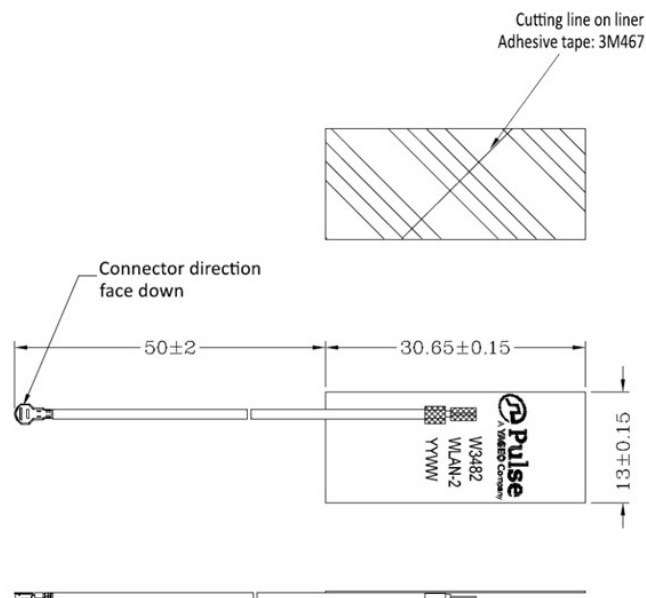
Drawing

W3483



Drawing

W3482



Dimensions: [mm]

Unless otherwise specified, Unmarked tolerances are ± 0.25 mm

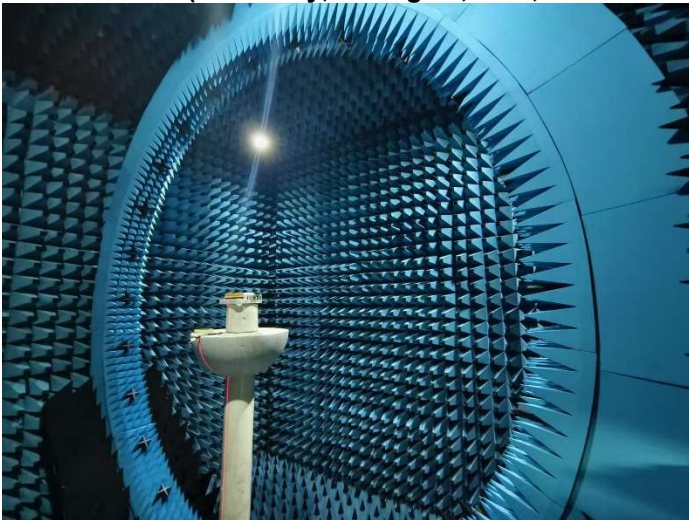
Hub Test setup

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S-parameter test (Return Loss, Isolation):



Chamber Test (Efficiency, Peak gain, ECC, Radiation Pattern):



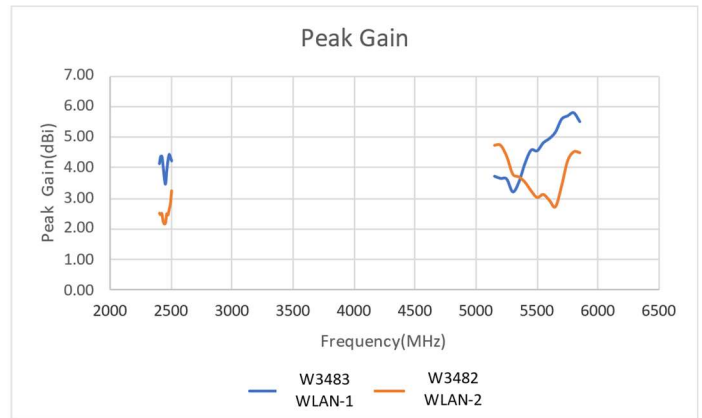
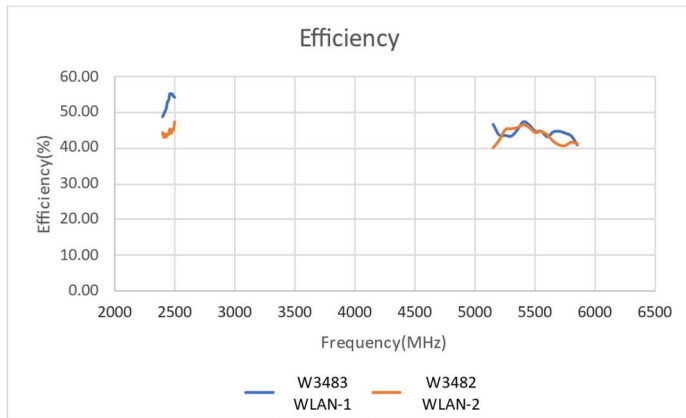
S-parameter (Return Loss, Isolation)

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Peak Gain & Efficiency

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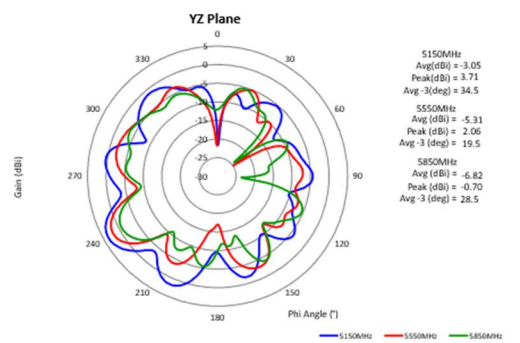
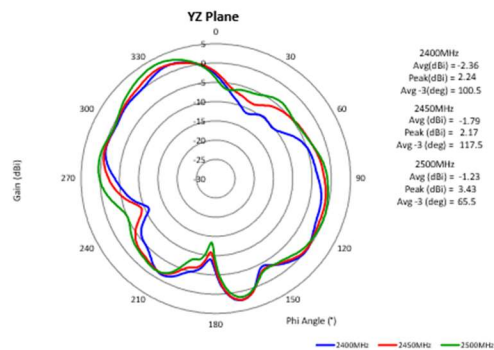
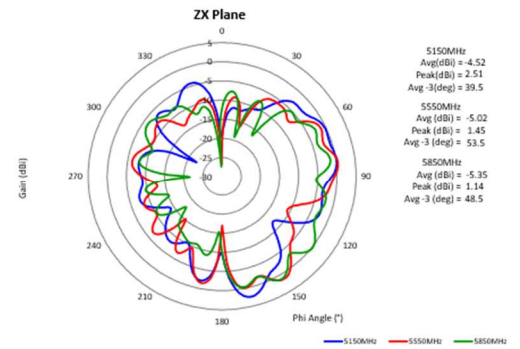
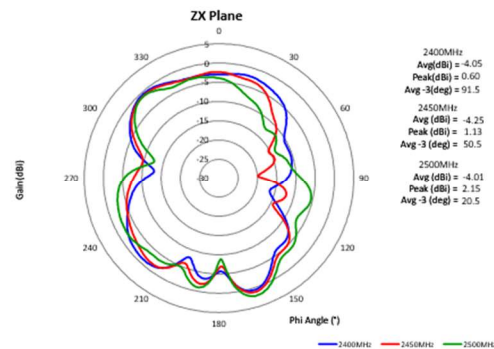
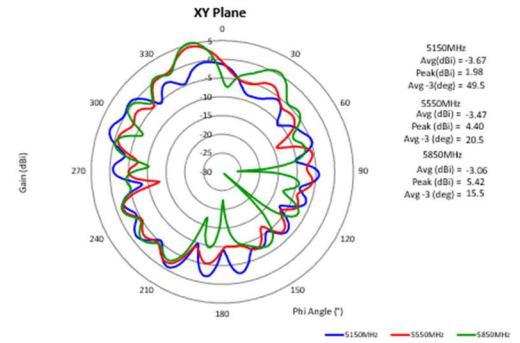
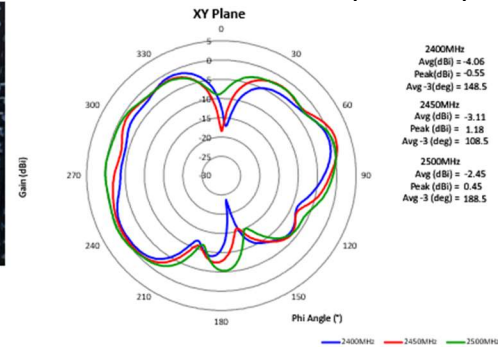
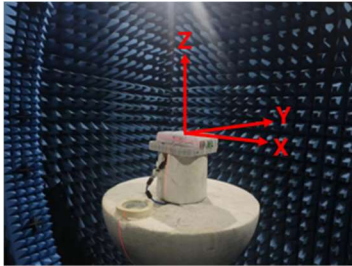
Efficiency(%)		
Frequency(MHz)	WLAN-1	WLAN-2
2400	48.73	44.38
2410	49.48	43.03
2420	50.24	44.02
2430	51.07	43.11
2440	52.81	44.05
2450	53.33	43.91
2460	55.09	45.4
2470	54.91	44.13
2480	55.06	45.24
2490	54.40	45.13
2500	54.09	47.38
5150	46.63	40.14
5200	43.66	42.24
5250	43.57	45.18
5300	43.33	45.45
5350	45.02	45.74
5400	47.31	46.57
5450	46.45	45.81
5500	44.70	44.39
5550	44.71	44.71
5600	43.19	43.73
5650	44.52	41.97
5700	44.69	40.91
5750	44.18	40.73
5800	43.41	41.73
5850	40.93	41.25

Peak Gain(dBi)		
Frequency(MHz)	WLAN-1	WLAN-2
2400	4.13	2.02
2410	4.36	1.97
2420	4.37	2.01
2430	4.06	1.76
2440	3.67	1.67
2450	3.47	1.70
2460	3.89	2.00
2470	4.23	1.96
2480	4.43	2.14
2490	4.34	2.32
2500	4.22	2.75
5150	3.72	4.73
5200	3.65	4.73
5250	3.63	4.37
5300	3.21	3.79
5350	3.53	3.70
5400	4.14	3.53
5450	4.57	3.25
5500	4.55	3.03
5550	4.81	3.13
5600	4.95	2.94
5650	5.16	2.73
5700	5.58	3.40
5750	5.69	4.23
5800	5.79	4.52
5850	5.50	4.49

Radiation Pattern

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W3483(WLAN-1)

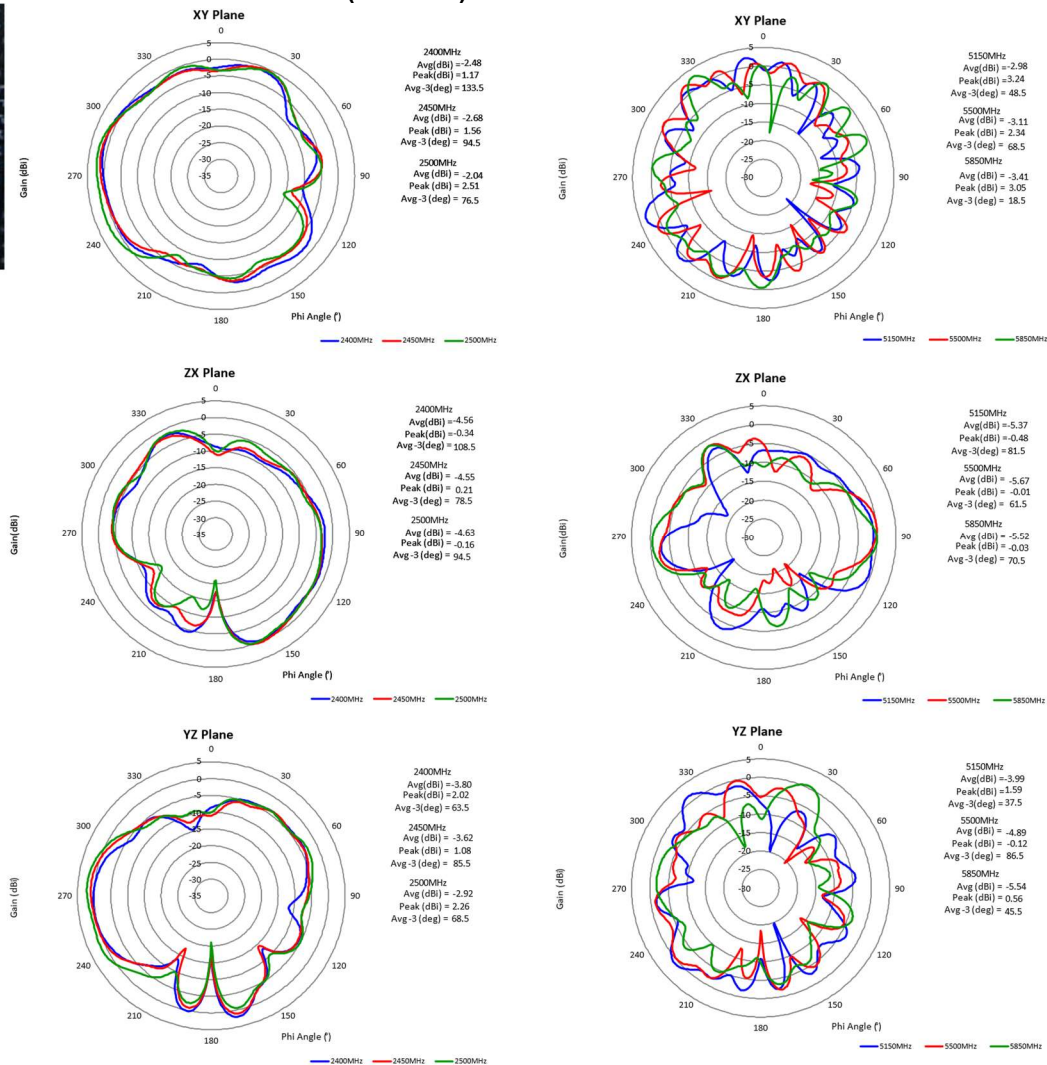


Radiation Pattern

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W3482(WLAN-2)



ECC W3482-W3483

Hub

