

Description: WIFI AUX



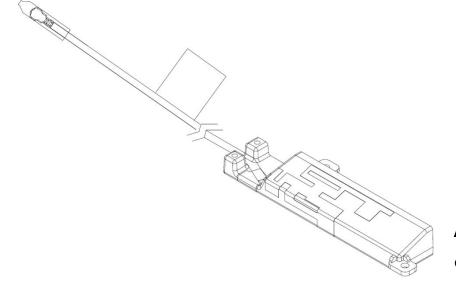
Series: UX3405

CUSTOMER P/N:14008-05740100

PULSE P/N: TZ2709E

Features:

- WLAN antenna
- LDS
- 1.13mm nor cable with IPEX4代
- RoHS Compliant



Applications:

NOTEBOOK



In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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ELECTRICAL SPECIFICATIONS

Antenna Type LDS+Holder PIFA

Frequency 2.4-2.5 GHz

5.15-5.895 GHz

5.925-7.125 GHz

Nominal Impedance 50 Ω Radiation Pattern Omni

Gain Refer to below table

Polarization Linear
Power Withstanding 1W

MECHANICAL SPECIFICATIONS

Overall Length

Antenna Color / Material

Connector type

See table, P3

Cable type

See table, P3

Cable length

Adhesive tape

45.18x13.65x6mm

See table, P3

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature $-40 \sim +85^{\circ}\text{C}$ Storage Temperature $-40 \sim +85^{\circ}\text{C}$ RoHS Compliant Yes

Freq. Range (MHz)	Peak Gain W/ Cable loss (dBi)	Cable loss (dBi)
2400-2483MHz	2.2	-1.05
5150-5250MHz	3.4	-1.56
5250-5350MHz	2.9	-1.58
5470-5725MHz	4.5	-1.65
5725-5850MHz	4.2	-1.66
5850-5895MHz	4.2	-1.68
5925-6425MHz	3.9	-1.75
6425-6525MHz	4.1	-1.78
6525-6875MHz	4.1	-1.83
6875-7125MHz	3.5	-1.91





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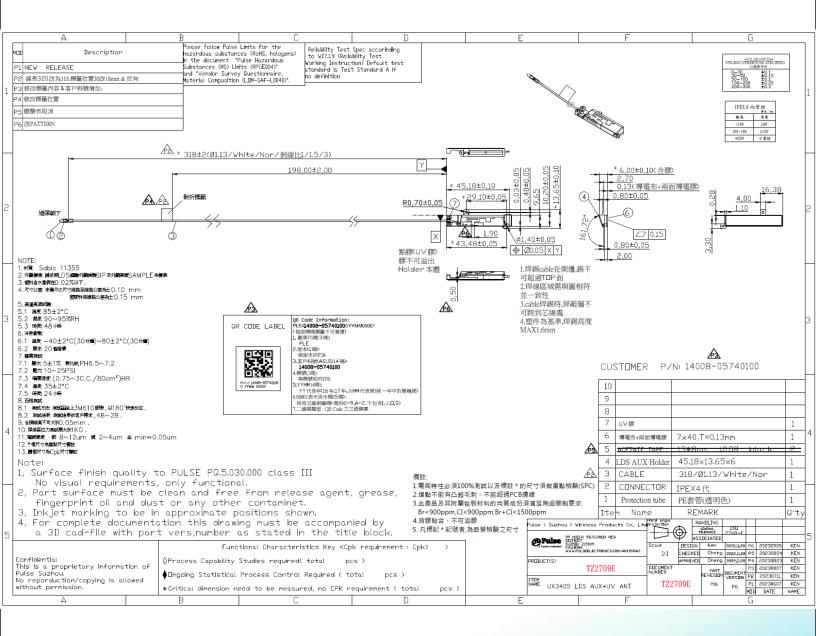


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MECHANICAL DRAWING







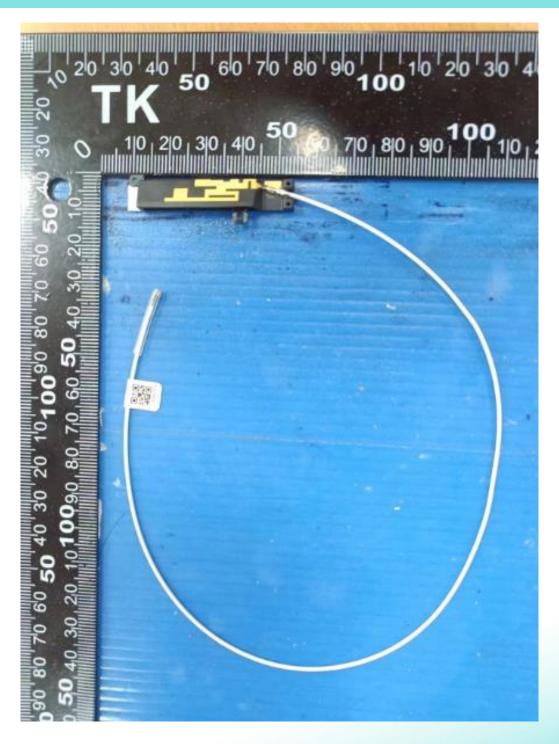
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ANTENNA PICTURE







Description: WIFI AUX

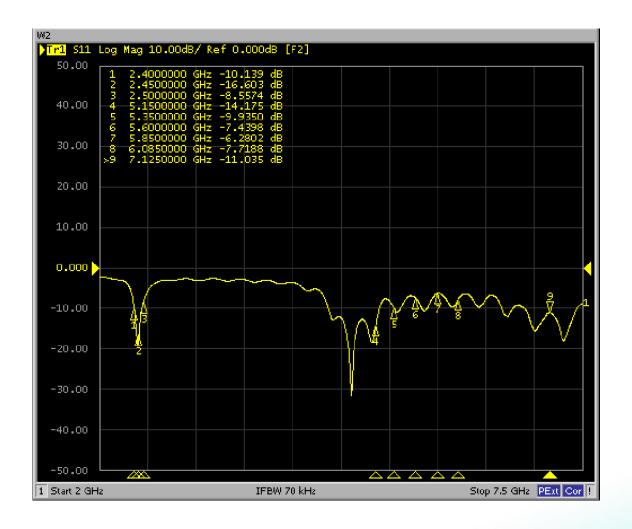


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VSWR





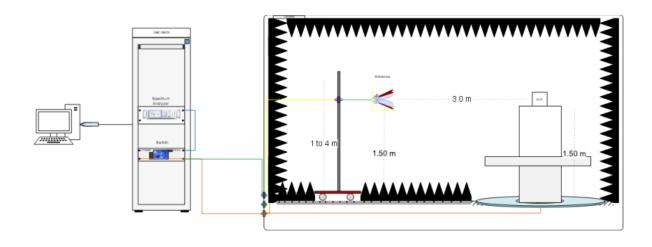
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PULSE P/N: TZ2709E

Test System Description



ID#	Device	Type/Model	Serial#	Manufactute r	Cal. Date	Estimated Next Cal. Date
1	Anechoic Chamber	AMS8500	-	ETS- Lindgren	2023-07-13	2024-07-13
2	Turn Table	ETS	-	ETS- Lindgren	N/A	N/A
3	Switch & Positioning system	2090	-	ETS- Lindgren	N/A	N/A
4	Horn Antenna	3164-08	99210	ETS- Lindgren	N/A	N/A
5	Network Analyzer	E5071C	MY46103999	Agilient	2023-07-13	2024-07-13
6	Commercial test software	EMQuest	Version 1.14 Build 10265 SN:1156	ETS- Lindgren	2023-07-13	2024-07-13
7	Test Operator	YY Chen	-	Pulse	2023/8/9	



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ANTENNA PERFORMANCE

MHz	Aux Efficiency (%)	Peak Gain(dBi)
2400	21.0	0.9
2412	23.6	1.4
2437	27.5	2.2
2462	27.8	2.1
2483	22.1	1.3
5150	32.2	3.4
5250	25.9	2.9
5350	27.8	2.5
5470	25.7	4.1
5600	25.7	4.5
5725	30.4	2.9
5785	27.8	3.0
5850	26.1	4.2
5895	25.3	4.0
5925	25.9	3.9
6125	25.1	3.7
6425	29.3	3.9
6525	28.3	4.1
6725	32.1	3.9
6875	33.1	3.0
6925	33.9	3.2
7125	27.6	3.5



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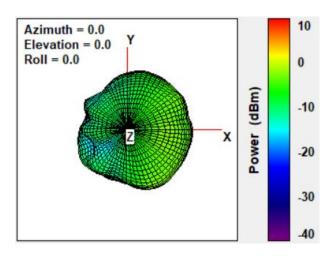
Series: UX3405 CUSTOM

CUSTOMER P/N: 14008-05740100

PULSE P/N: TZ2709E

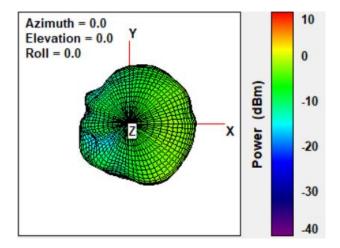
CHARTS

Radiation Pattern of WLAN Antenna (2400MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2400	21.0	0.9

Radiation Pattern of WLAN Antenna (2412MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2412	23.6	1.4





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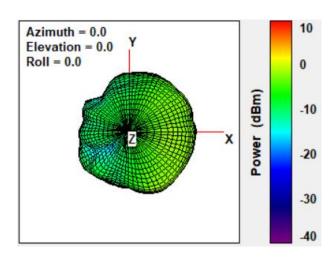
Series: UX3405

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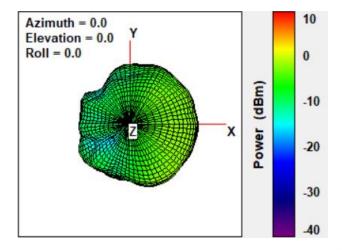
CHARTS

Radiation Pattern of WLAN Antenna (2437MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2437	27.5	2.2

Radiation Pattern of WLAN Antenna (2462MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2462	27.8	2.1





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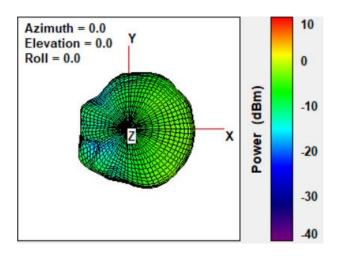
Series: UX3405

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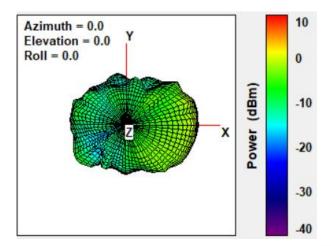
CHARTS

Radiation Pattern of WLAN Antenna (2500MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2500	22.1	1.3

Radiation Pattern of WLAN Antenna (5150MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5150	32.2	3.4





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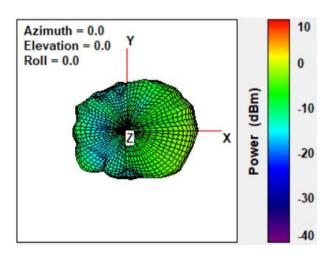
Series: UX3405

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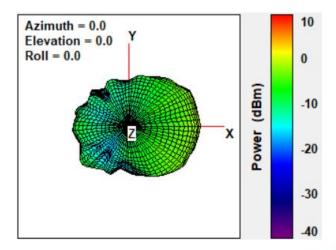
CHARTS

Radiation Pattern of WLAN Antenna (5250MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5250	25.9	2.9

Radiation Pattern of WLAN Antenna (5350MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5350	27.8	2.5





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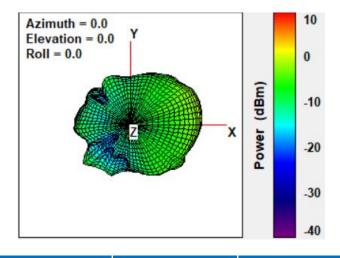
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PULSE P/N: TZ2709E

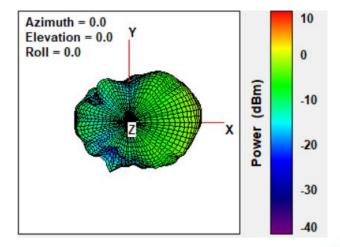
CHARTS

Radiation Pattern of WLAN Antenna (5470MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5470	25.7	4.1

Radiation Pattern of WLAN Antenna (5600MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5600	25.7	4.5





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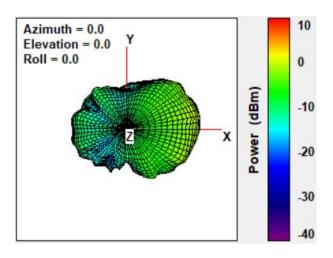
Series: UX3405

CUSTOMER P/N: 14008-05740100

PULSE P/N: TZ2709E

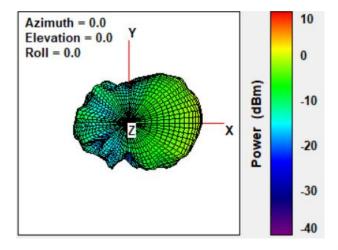
CHARTS

Radiation Pattern of WLAN Antenna (5725MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5725	30.4	2.9

Radiation Pattern of WLAN Antenna (5785MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5785	27.8	3.0





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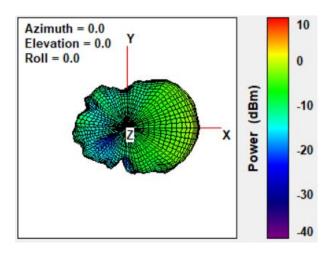
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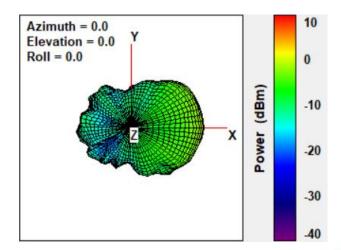
CHARTS

Radiation Pattern of WLAN Antenna (5850MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5850	26.1	4.2

Radiation Pattern of WLAN Antenna (5895MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5895	25.3	4.0



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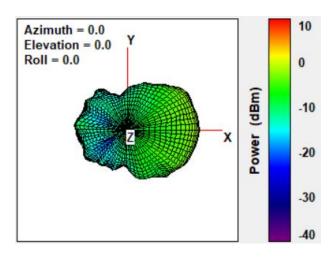
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PULSE P/N: TZ2709E

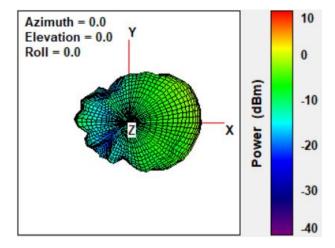
CHARTS

Radiation Pattern of WLAN Antenna (5925MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5925	25.9	3.9

Radiation Pattern of WLAN Antenna (6125MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6125	25.1	3.7





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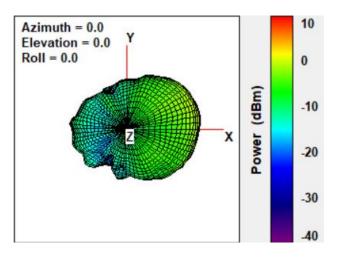


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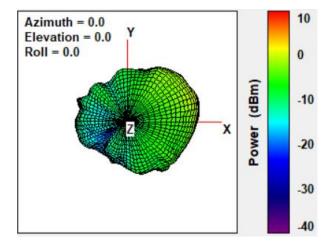
CHARTS

Radiation Pattern of WLAN Antenna-NB (6425MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6425	29.3	3.9

Radiation Pattern of WLAN Antenna-NB (6525MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6525	28.3	4.1





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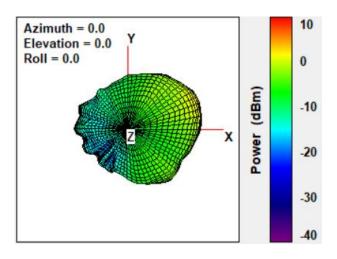


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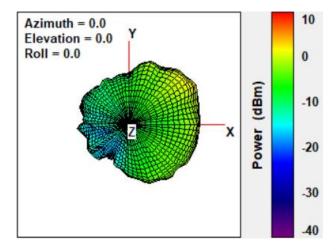
CHARTS

Radiation Pattern of WLAN Antenna (6725MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6725	32.1	3.9

Radiation Pattern of WLAN Antenna (6875MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6875	33.1	3.0





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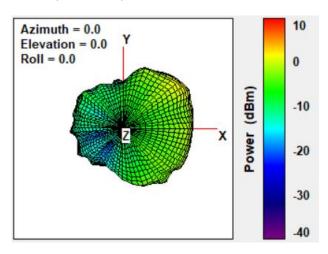
Series: UX3405

CUSTOMER P/N: 14008-05740100

PULSE P/N: TZ2709E

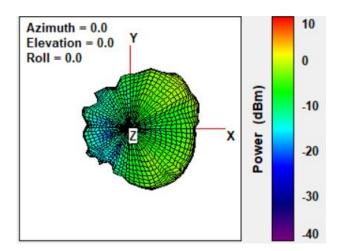
CHARTS

Radiation Pattern of WLAN Antenna (6925MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6925	33.9	3.2

Radiation Pattern of WLAN Antenna (7125MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
7125	27.6	3.5

