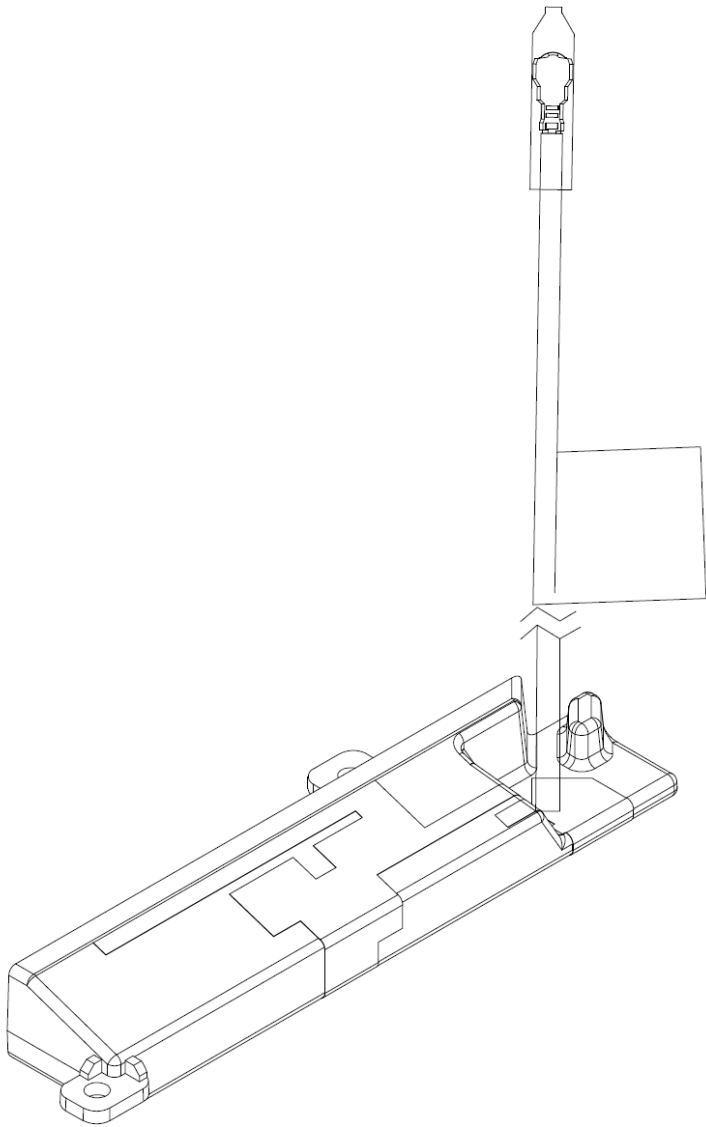


Series: UX3405

CUSTOMER P/N: 14008-05740200
PULSE P/N: TZ2709D

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.

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Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998





Series: UX3405

CUSTOMER P/N: 14008-05740200
PULSE P/N: TZ2709D

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	45.18x13.65x6mm
Antenna Color / Material	See table, P3
Connector type	See table, P3
Cable type	See table, P3
Cable length	See table, P3
Adhesive tape	See table, P3

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS Compliant	Yes

Freq. Range (MHz)	Peak Gain W/ Cable loss (dBi)	Cable loss (dBi)
2400-2483MHz	2.3	-0.50
5150-5250MHz	3.4	-0.75
5250-5350MHz	3.4	-0.76
5470-5725MHz	4.5	-0.79
5725-5850MHz	4.5	-0.80
5850-5895MHz	4.2	-0.81
5925-6425MHz	4.5	-0.84
6425-6525MHz	3.1	-0.86
6525-6875MHz	3	-0.88
6875-7125MHz	3.5	-0.92

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Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

MECHANICAL DRAWING

	A	B	C	D	E	F	G																																																																																																						
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<p>NOTE:</p> <ol style="list-style-type: none"> 材料: Sabc 11355 外觀檢驗: 請依照D/S 檢驗外觀檢驗SIP及外觀標籤SAMPLE 為標準 膠料含水量需在0.02%以下。 尺寸公差: 未標註之尺寸線路公差為±0.10 mm 塑膠件公差為±0.15 mm 高溫高濕試驗 溫度: 85±2°C 濕度: 90~95%RH 時間: 48小時 沖針檢驗 溫度: -40±2°C(30分鐘)~80±2°C(30分鐘) 需求: 20個組 鹽霧試驗 鹽水: 5±1% 氧化性PH6.5~7.2 濕度: 10~25PSI 噴霧速度: (0.75~3C./80cm²)HR 溫度: 35±2°C 時間: 24小時 百格測試 測試方法: 測試區域上3M610膠帶,以80°快速反應。 測試結果: 測試結果依客戶需求,4B~2B。 全標線高不可大於0.05mm。 焊線區拉力測試最大於1KG。 電線厚度: 銅 8~12um 錫 2~4um 金 min=0.05um * 標尺寸為重點尺寸標註 圓標尺寸為Cpk尺寸標註 	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>QR CODE LABEL</th> <th>QR Code Information:</th> </tr> <tr> <td rowspan="7" style="text-align: center;"> <p>PLEA 14008-05740200 0 YMM 00001</p> </td> <td>1. 廠商代碼(3碼) PLE</td> </tr> <tr> <td>2. 版本(1碼) 無版本則打A</td> </tr> <tr> <td>3. 客戶料號(ASUS)4碼 14008-05740200</td> </tr> <tr> <td>4. 日期(1碼): 無日期則打00</td> </tr> <tr> <td>5. YMM(4碼): YY代表年(16年17年...)MM代表月(01~12)一年中的第幾個月 6.0001表示此大廠(5碼): 採取3位制編碼:規則0~9 A-Z,不包含I,J,O,Q</td> </tr> <tr> <td>7. 二維碼類型: QR Code之三眼標</td> </tr> </table>	QR CODE LABEL	QR Code Information:	<p>PLEA 14008-05740200 0 YMM 00001</p>	1. 廠商代碼(3碼) PLE	2. 版本(1碼) 無版本則打A	3. 客戶料號(ASUS)4碼 14008-05740200	4. 日期(1碼): 無日期則打00	5. YMM(4碼): YY代表年(16年17年...)MM代表月(01~12)一年中的第幾個月 6.0001表示此大廠(5碼): 採取3位制編碼:規則0~9 A-Z,不包含I,J,O,Q	7. 二維碼類型: QR Code之三眼標	<p>備註:</p> <ol style="list-style-type: none"> 電氣特性必須100%測試以及標註*的尺寸須做重點檢驗(SPC) 焊點不能有凸起毛刺,不能超過PCB邊緣 此產品及其附屬包裝材料的均質成份滿足無鹵素管制要求: Br<900ppm,Ci<900ppm,Br+Ci<1500ppm 跨膠貼合,不可溢膠 凡標註*記號者,為品管檢驗之尺寸 	<p>Functional Characteristics Key (Cpk requirement: Cpk)</p> <p>◇Process Capability Studies required (total pcs)</p> <p>◆Ongoing Statistical Process Control Required (total pcs)</p> <p>*Critical dimension need to be measured, no CPK requirement (total pcs)</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Pulse (Suzhou) Wireless Products Co., Ltd.</td> <td colspan="2">TRAFFIC SIGNAL PRODUCTION</td> </tr> <tr> <td colspan="2"> </td> <td colspan="2"> </td> </tr> <tr> <td colspan="2"> Scale: 1:1 DOCUMENT NUMBER: TZ2709D ITEM NAME: UX3405 LDS MAIN+UV ANT </td> <td colspan="2"> HANDLING: ISU 27268-F ASSOCIATED: Ken 20221128 DESIGN: Ken 20221128 CHECKED: Cheng 20221128 APPROVED: Cheng 20221128 PART REVISION: PS DOCUMENT VERSION: PS PS 20230905 PS 20230923 PS 20230923 PS 20230711 PS 20230607 PS 20230607 </td> </tr> </table>	Pulse (Suzhou) Wireless Products Co., Ltd.		TRAFFIC SIGNAL PRODUCTION						Scale: 1:1 DOCUMENT NUMBER: TZ2709D ITEM NAME: UX3405 LDS MAIN+UV ANT		HANDLING: ISU 27268-F ASSOCIATED: Ken 20221128 DESIGN: Ken 20221128 CHECKED: Cheng 20221128 APPROVED: Cheng 20221128 PART REVISION: PS DOCUMENT VERSION: PS PS 20230905 PS 20230923 PS 20230923 PS 20230711 PS 20230607 PS 20230607																																																																																					
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Description:
WIFI MAIN

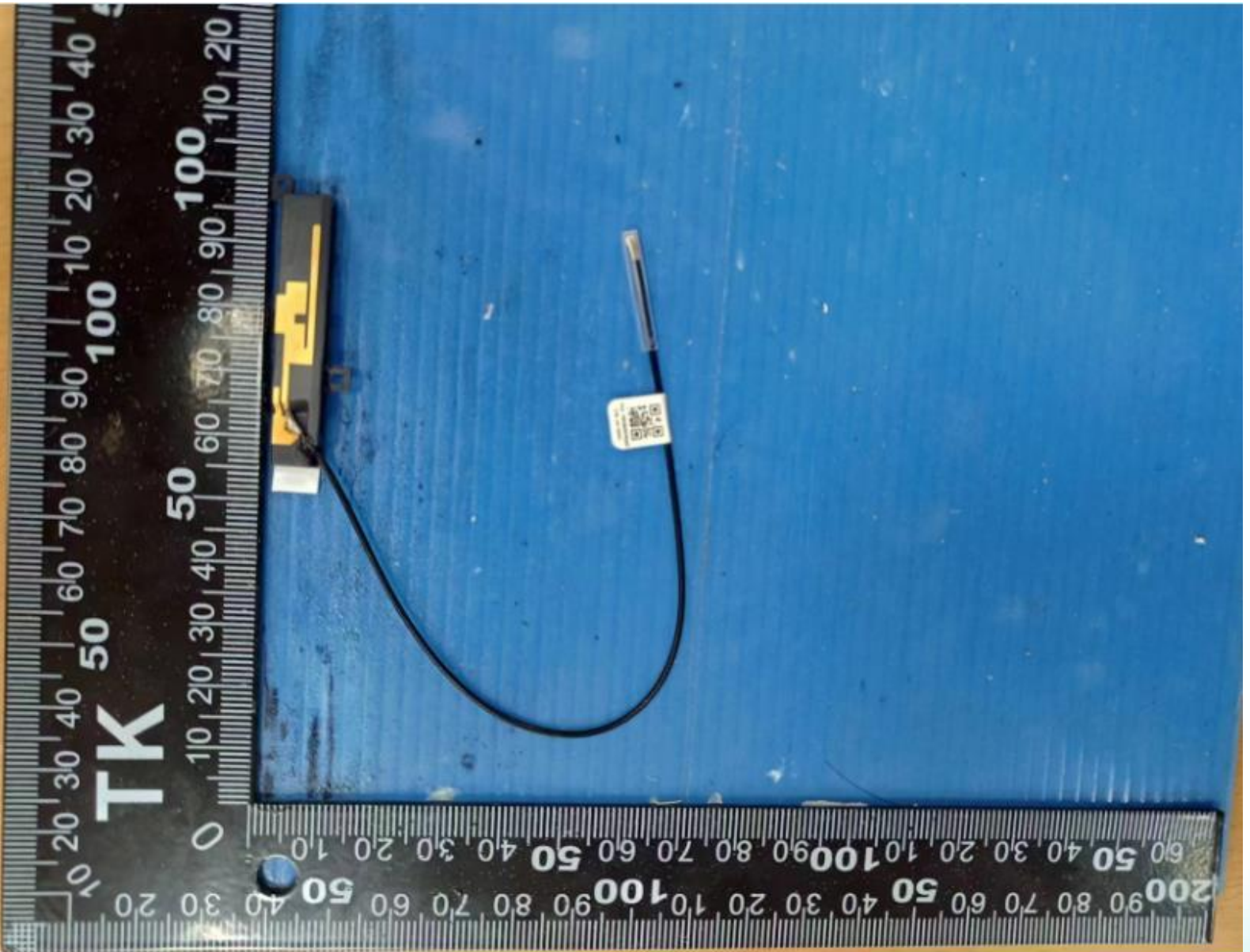


Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

ANTENNA PICTURE

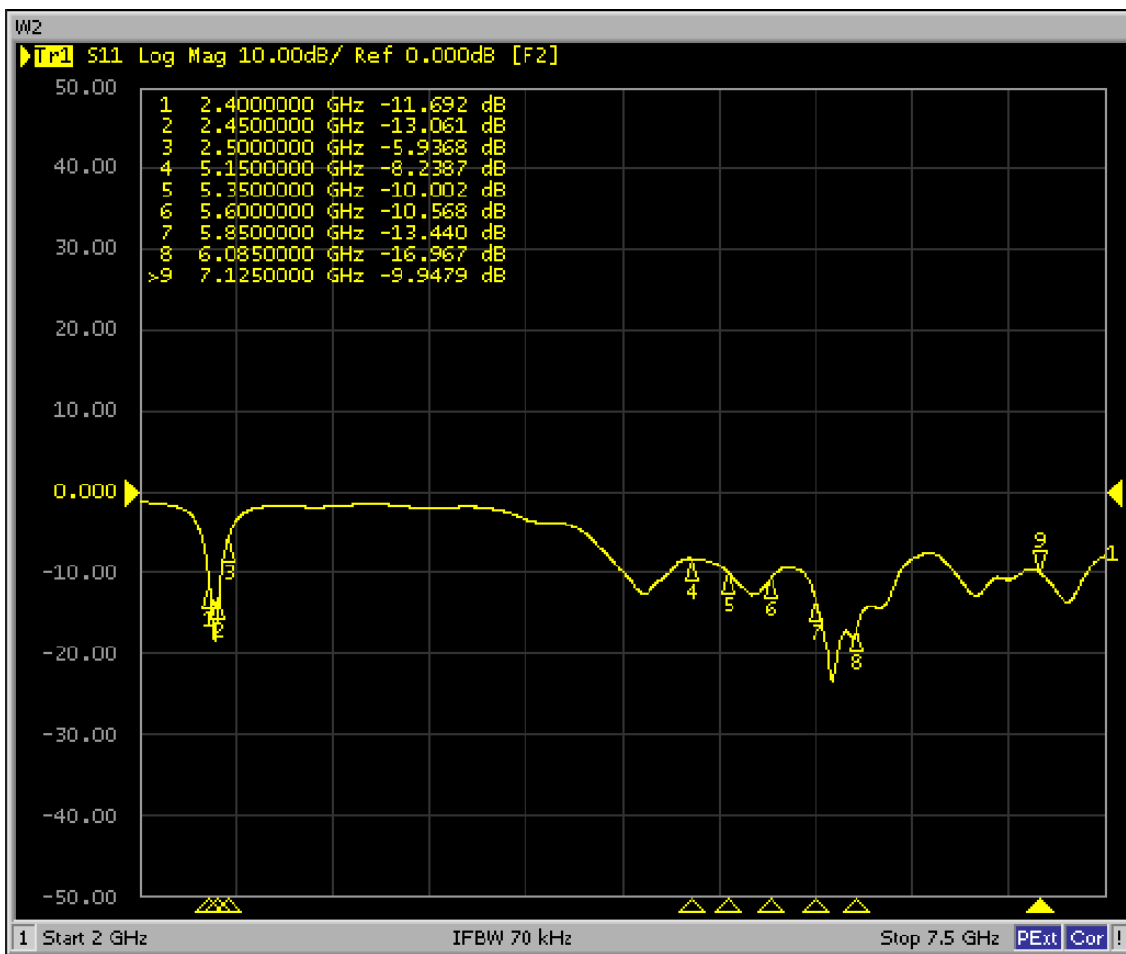




Series: UX3405

CUSTOMER P/N: 14008-05740200
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VSWR



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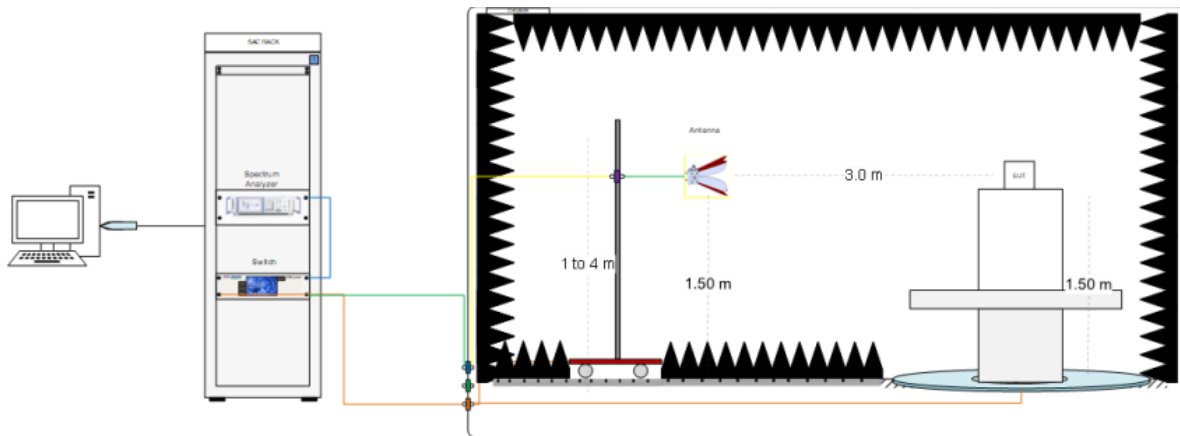


Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

Test System Description



ID#	Device	Type/Model	Serial#	Manufacturer	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	Agilent	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	



Series: UX3405

CUSTOMER P/N: 14008-05740200
PULSE P/N: TZ2709D

ANTENNA PERFORMANCE

MHz	Main Efficiency (%)	Peak Gain(dBi)
2400	22.2	1.8
2412	23.9	2.1
2437	26.3	2.3
2462	26.2	1.9
2483	21.2	0.5
5150	45.2	3.3
5250	39.2	3.4
5350	38.5	2.7
5470	38.5	3.8
5600	39.6	4.0
5725	40.2	4.5
5785	36.4	4.3
5850	34.2	4.1
5895	32.3	4.2
5925	30.6	4.5
6125	41.3	3.6
6425	36.6	3.1
6525	35.2	2.8
6725	40.7	3.0
6875	37.3	2.8
6925	38.5	2.9
7125	39.8	3.5

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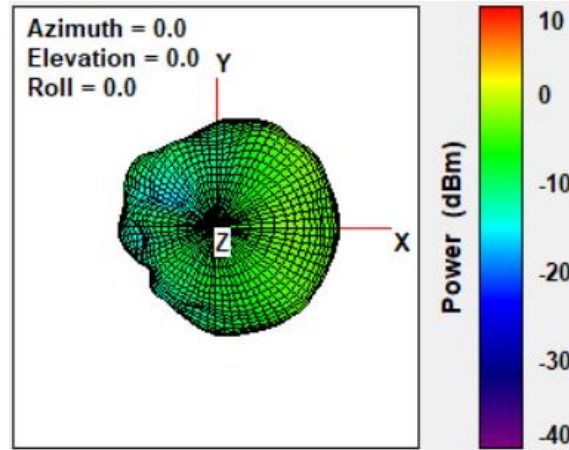
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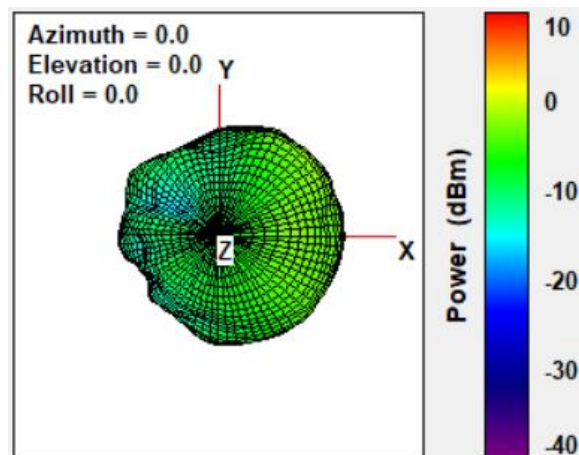
CHARTS

Radiation Pattern of WLAN Antenna (2400MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2400	22.2	1.8

Radiation Pattern of WLAN Antenna (2412MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2412	23.9	2.1

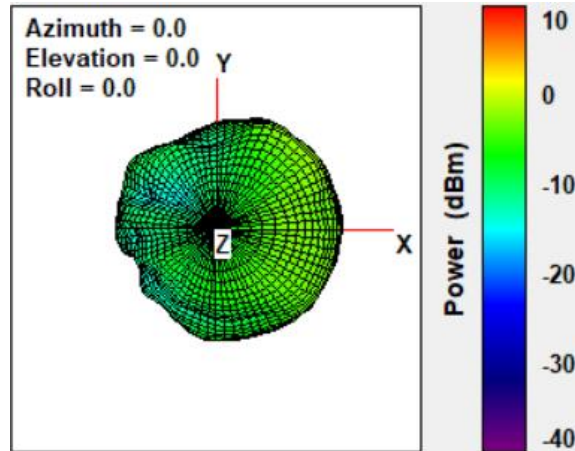
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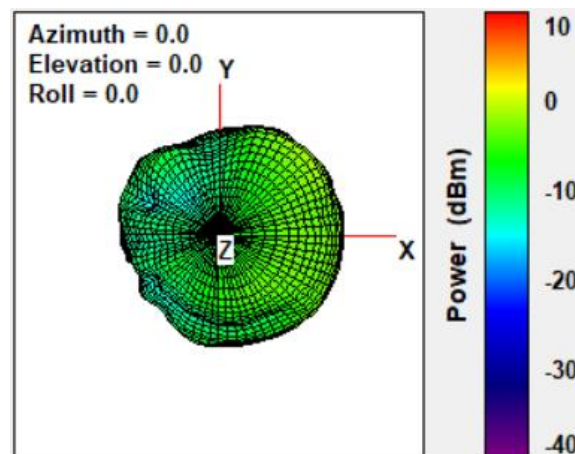
CHARTS

Radiation Pattern of WLAN Antenna (2437MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2437	26.3	2.3

Radiation Pattern of WLAN Antenna (2462MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2462	26.2	1.9

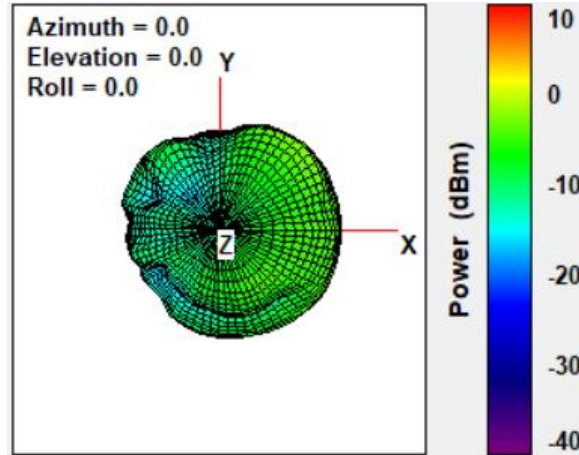
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

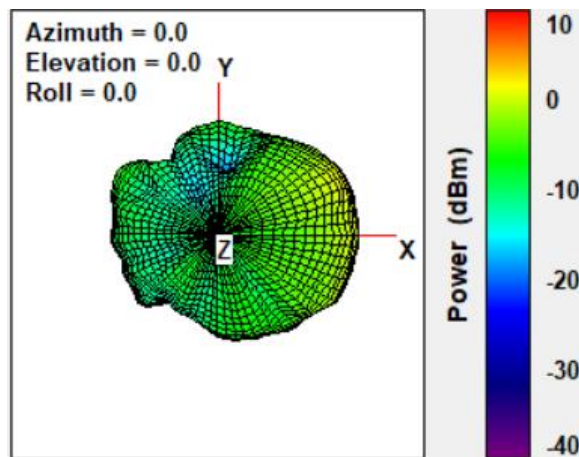
CHARTS

Radiation Pattern of WLAN Antenna (2500MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
2500	21.2	0.5

Radiation Pattern of WLAN Antenna (5150MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5150	45.2	3.3

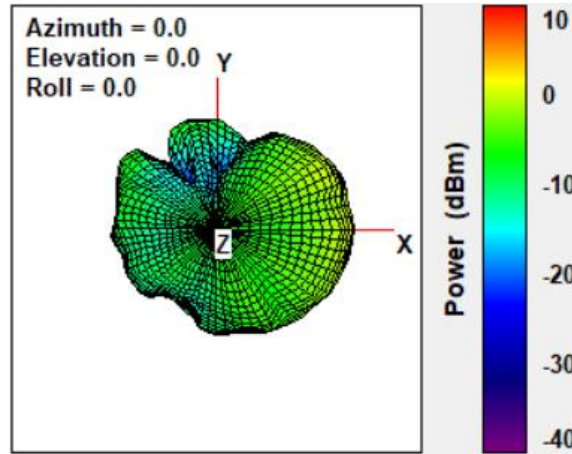
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

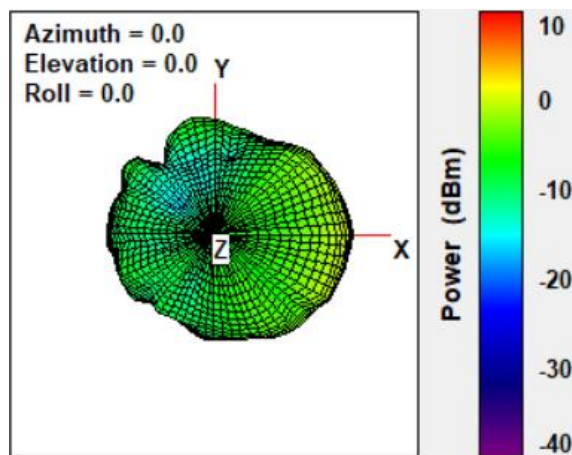
CHARTS

Radiation Pattern of WLAN Antenna (5250MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5250	39.2	3.4

Radiation Pattern of WLAN Antenna (5350MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5350	38.5	2.7

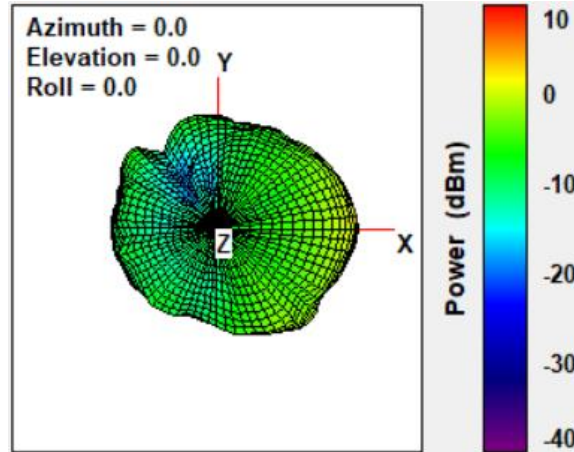
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

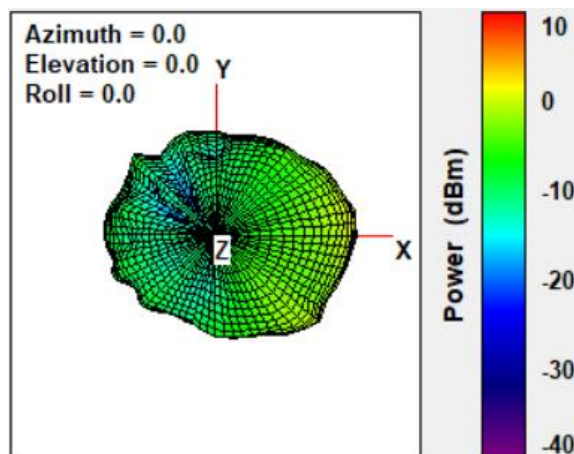
CHARTS

Radiation Pattern of WLAN Antenna(5470MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5470	38.5	3.8

Radiation Pattern of WLAN Antenna (5600MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5600	39.6	4.0

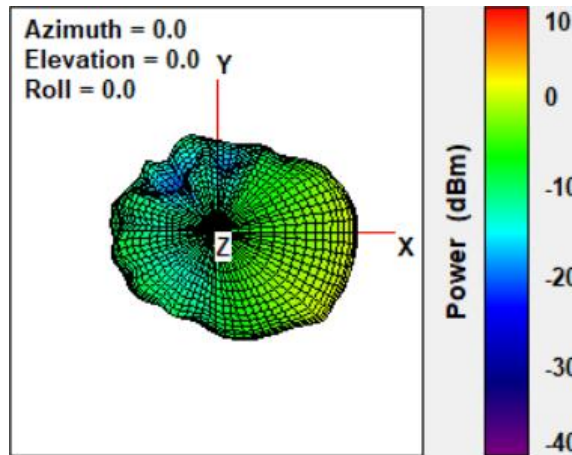
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

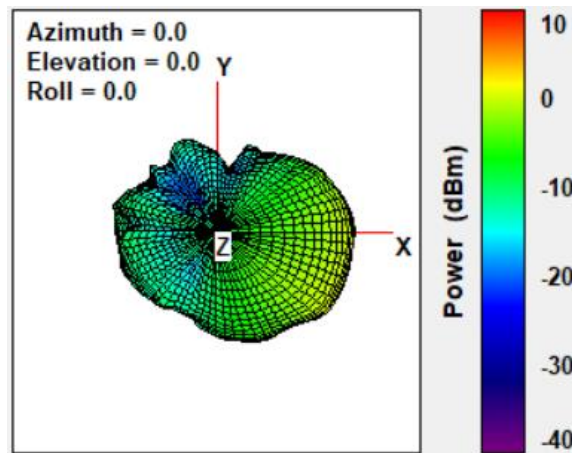
CHARTS

Radiation Pattern of WLAN Antenna (5725MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5725	40.2	4.5

Radiation Pattern of WLAN Antenna (5785MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5785	36.4	4.3

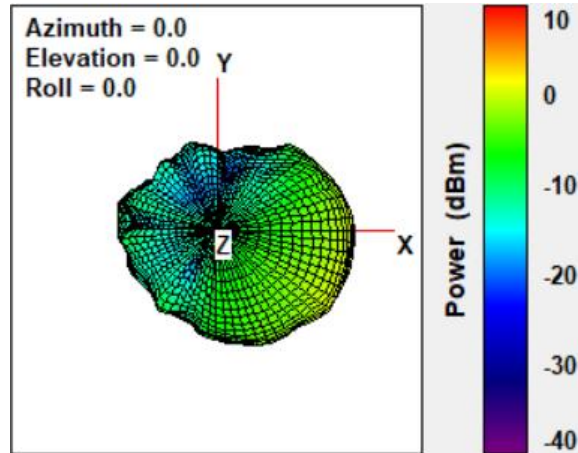
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

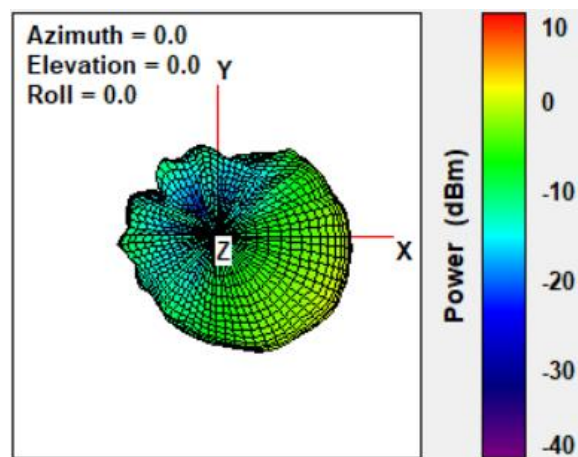
CHARTS

Radiation Pattern of WLAN Antenna (5850MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5850	34.2	4.1

Radiation Pattern of WLAN Antenna (5895MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5895	32.3	4.2

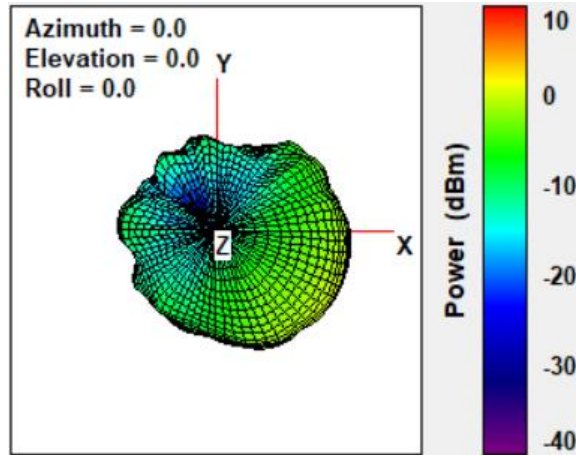
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

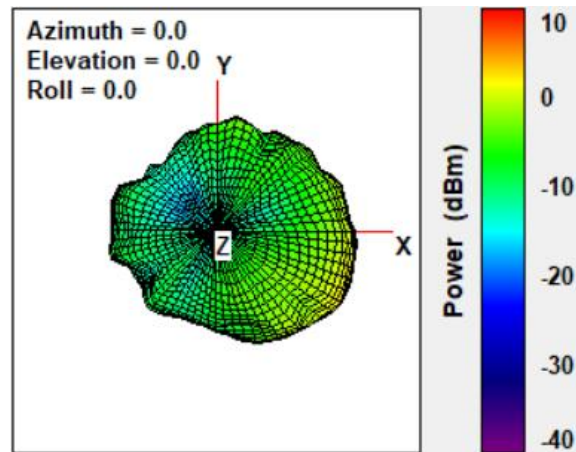
CHARTS

Radiation Pattern of WLAN Antenna (5925MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
5925	30.6	4.5

Radiation Pattern of WLAN Antenna (6125MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6125	41.3	3.6

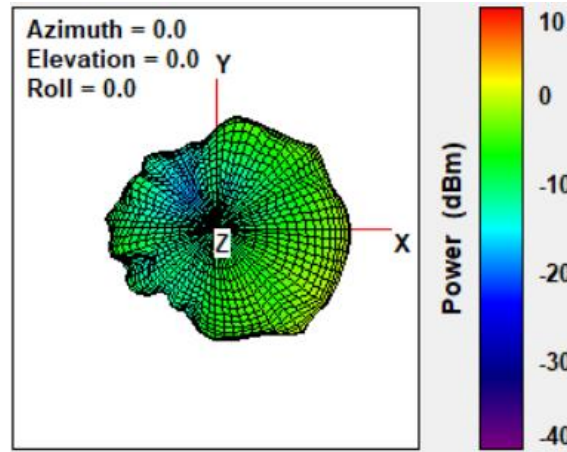
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

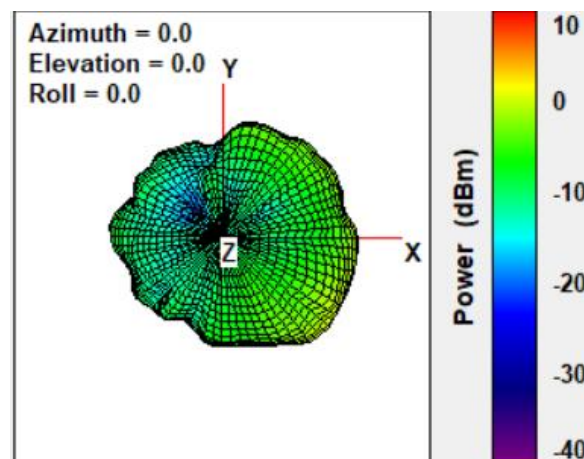
CHARTS

Radiation Pattern of WLAN Antenna-NB (6425MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6425	36.6	3.1

Radiation Pattern of WLAN Antenna-NB (6525MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6525	35.2	2.8

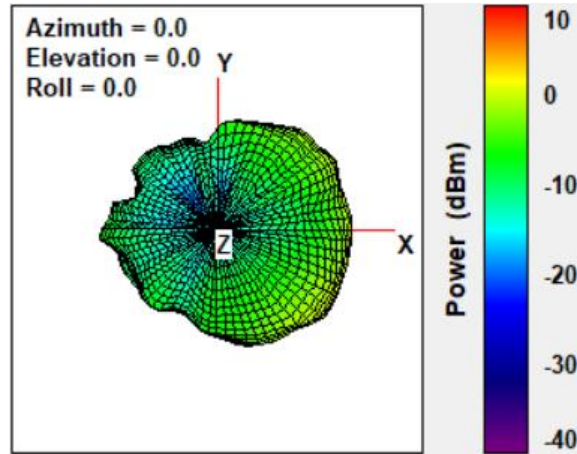
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

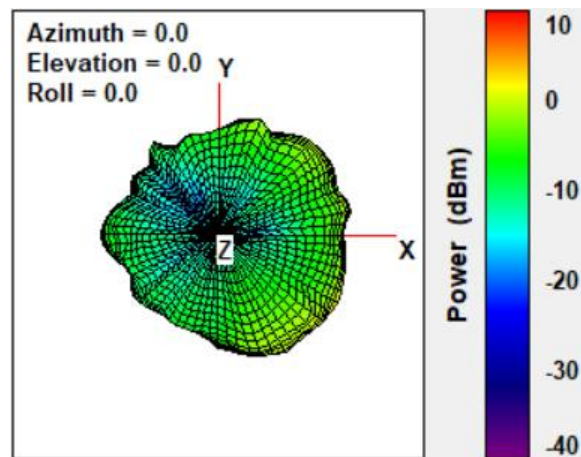
CHARTS

Radiation Pattern of WLAN Antenna(6725MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6725	40.7	3.0

Radiation Pattern of WLAN Antenna(6875MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6875	37.3	2.8

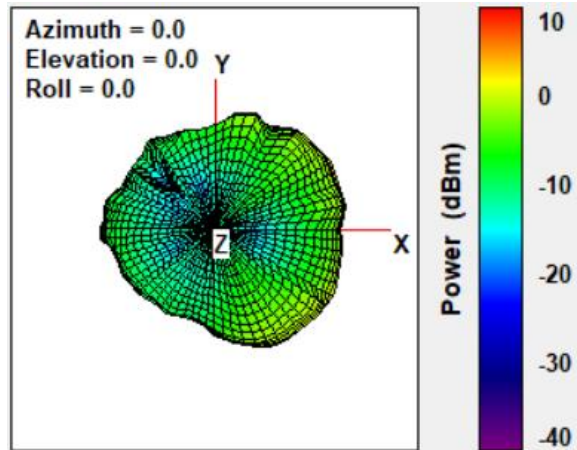
Series: UX3405

CUSTOMER P/N: 14008-05740200

PULSE P/N: TZ2709D

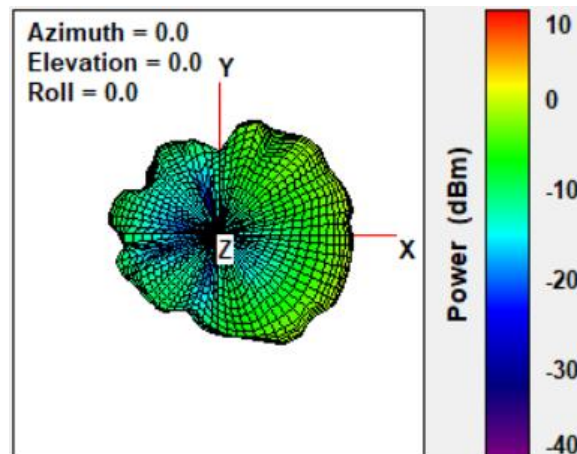
CHARTS

Radiation Pattern of WLAN Antenna (6925MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
6925	38.5	2.9

Radiation Pattern of WLAN Antenna (7125MHz)



Frequency(MHz)	EFFICIENCY(%)	Peak Gain(dBi)
7125	39.8	3.5