



Radiation Technology, Inc.

昆山晰芮特电子科技有限公司

Specification For Approval

Customer:111800

**Description: 434±5 MHZ, MMCX to
RG178, Cable275±2mm**

Customer P/N: N/A

RTI P/N:C0448-ANG0003

Customer Rev: N/A

RTI Rev: SA

Date:2023.09.13

Radiation Technology Inc. Approval



OQS

SYSTEM CERTIFIED

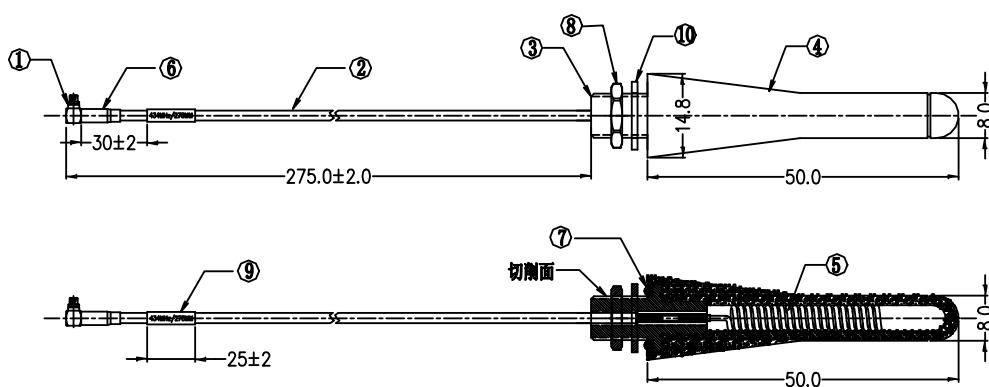
ISO/TS 16949:2009 No.01274/0

ISO 9001:2008 No.04431/0

ISO 14001:2004 No.01578/0

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备注:

1. 频段: 429~439MHz
2. VSWR: ≤7.0 (不带机壳)
3. 阻抗: 50 欧姆
4. 工作温度: -30° C~65° C

①	平型热片	热片 $\Phi 8.00 \times \Phi 12.00 \times 1.00$ 材质C3604 镀镍2.5 μ m RoHS	1PC
⑨	白色热缩套管	套管 $\Phi 3.0m$ 一般型 白色有印字 RoHS	1PC
⑧	螺母	螺母 M8×0.75-GHHEX11.00×1.96 材质C3604 镀镍2.5 μ m RoHS	1PC
⑦	胶圈	胶圈 $\Phi 11.20 \times \Phi 8.00 \times \Phi 1.60$ 材质硅胶 红色 RoHS	1PC
⑥	热缩套管	热缩套管 $\Phi 3.0m$ 一般 黑色 RoHS	1PC
⑤	线圈	线圈 OD: $\Phi 0.54 \times \Phi 4.5$ (mm) 22# 材质 硅胶线 不镀锡 RoHS	1PC
④	护套	TPEE 55D 黑色	1PC
③	金属件	材质: C3604 镀镍	1PC
②	线材	RG178 纯合模塑料包铜导体 铜带铜编织 PTFE绝缘体 外被浅棕色PEP RoHS, REACH	1PC
①	连接器	MMCX Connector R/A plug for RG178 cable gold plated RoHS	1PC
编号	品名	材质	用量
			角度

材料清单

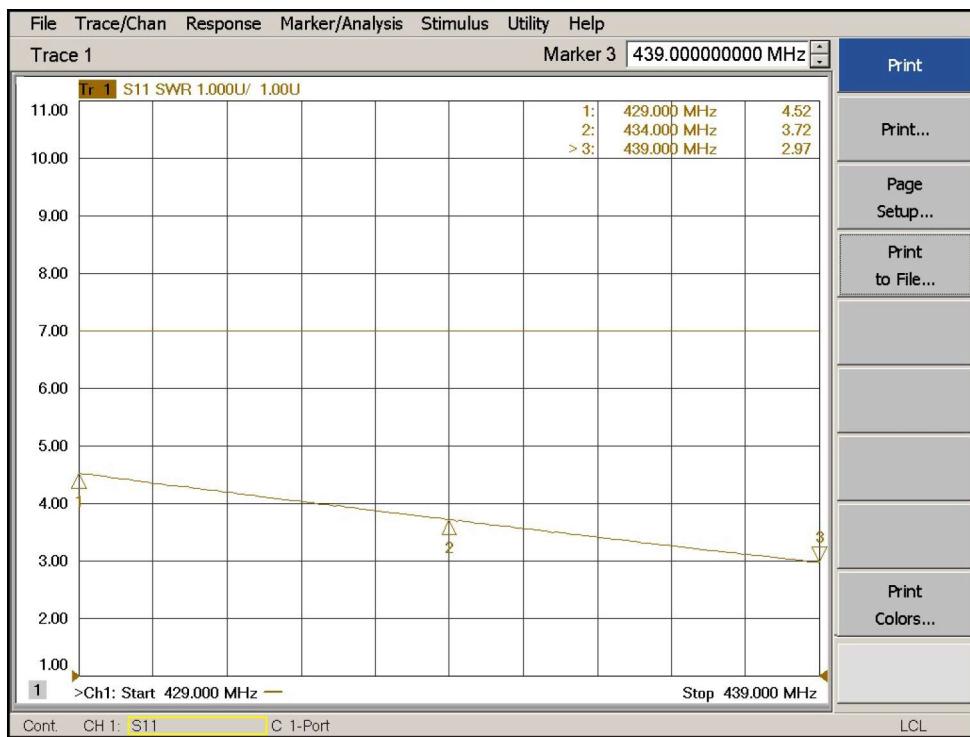
第三角投影法	图纸标准	
	绘图:	Radiation Technology, Inc. www.rt-inc.com 昆山斯劳特电子科技有限公司
未注公差	审核:	客户: 111800 斯劳特料号: C0448-ANG0003 客户料号: 130100J10566
一级公差 .I	±0.50	核准:
二级公差 .II	±0.30	品名规格: 发射器一体式天线 C0448-ANG0003
三级公差 .III	N/A	面朝: A4 单位: mm
孔径 .IV	N/A	比例: 1 : 1 页码: 1 of 1 客户版本: N/A 斯劳特版本: 01



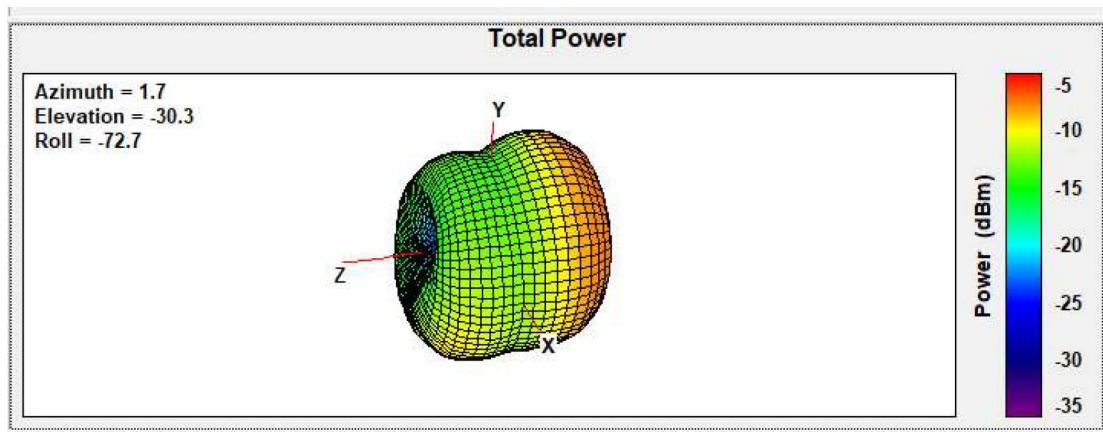
Radiation Technology, Inc.

Parameter:	
FREQUENCY (MHz)	429~439 MHz
Gain (dBi)	-6dBi
V. S. W. R	≤ 7.0
Impedance (Ω)	50 Ω
POLARIZATION	VERTICAL
ORIENTATION	OMNI
TEMPERATURE (°C)	-30 °C~+65 °C
Length (mm)	60mm
Connector	MMCX R/A PLUG FOR RG178
CABLE	RG178 COAXIAL CABLE

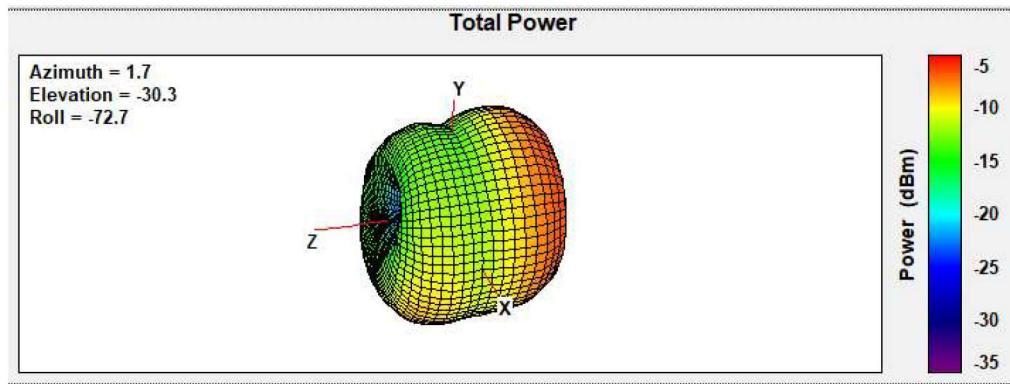
2. VSWR Test



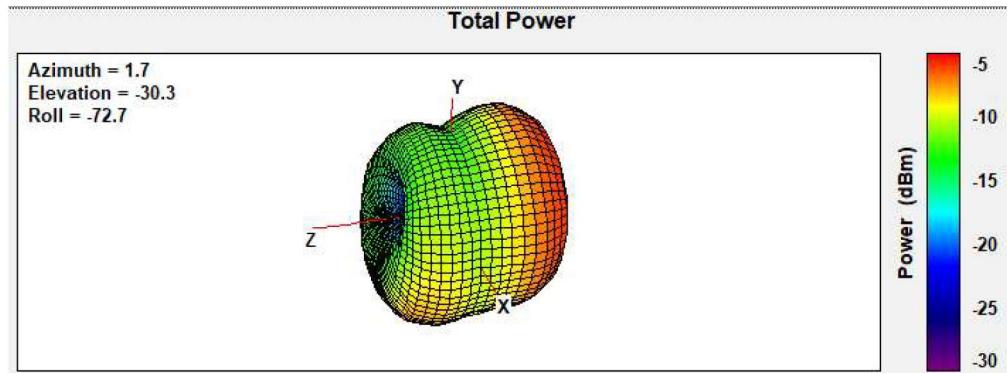
3D Pattern of Antenna For 429MHz



3D Pattern of Antenna For 434MHz



3D Pattern of Antenna For 439MHz





昆山昕芮特电子科技有限公司 RADIATION TECHNOLOGY, INC.

No. 233, Binjiang South Road, Zhangpu, Kunshan, Jiangsu, 215321, China

Tel: (86) 512-8260 6588 Fax: (86) 512-8260 6586 <http://www.rt-inc.com/>

Declaration of RoHS 3.0 Conformity

Radiation Technology, Inc. hereby confirms that the following products comply with EU Directive RoHS 3.0, of the European Parliament RoHS (Restriction of Hazardous Substances).

Content of Compliance

Lead (0,1 %)

Mercury (0,1 %)

Cadmium (0,01 %)

Hexavalent chromium (0,1 %)

Polybrominated biphenyls (PBB) (0,1 %)

Polybrominated diphenyl ethers (PBDE) (0,1 %)

Bis(2-ethylhexyl) phthalate (DEHP) (0,1 %)

Butyl benzyl phthalate (BBP) (0,1 %)

Dibutyl phthalate (DBP) (0,1 %)

Diisobutyl phthalate (DIBP) (0,1 %)

Exemption:

The application of these substances is exempted from the requirement of EU Directive RoHS 3.0 Article 4 in the following circumstances, such as:

Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight and as a copper alloy containing up to 4% lead by weight.

Lead in high melting temperature type solders (i.e. tin-lead solder alloys containing more than 85% lead).

Signature for and on behalf of: Radiation Technology, Inc.

Printed name: Alan Chiang

Title: General Manager

Date: 2019.03.07





Certificate of Registration

This certificate has been awarded to

RADIATION TECHNOLOGY, INC.

No.233, Binjiang South Road, Zhangpu Town, Kunshan City, Jiangsu Province, China

in recognition of the organization's Environmental Management System which complies with

ISO 14001:2015

The scope of activities covered by this certificate is defined below

Environmental Management Activities related Manufacture, Assembly & Sales of Various Connectors, Wire Products (Antennas, Earphone Cables, Electron Beams, Computer Cables, Medical Cables, High-frequency Transmission Lines and Power Lines), Microwave Communication Products (Duplexers, Isolators, Filters and Couplers) and Electronics

Certificate Number **102091/B/0001/UK/En**

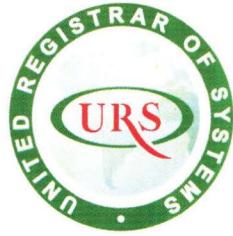
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
25 March 2021	1	24 March 2024	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
25 March 2021	0	25 March 2021	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager





Certificate of Registration

This certificate has been awarded to

RADIATION TECHNOLOGY, INC.

No.233, Binjiang South Road, Zhangpu Town, Kunshan City, Jiangsu Province, China

in recognition of the organization's Quality Management System which complies with

IATF 16949:2016

The scope of activities covered by this certificate is defined below

Manufacture of Antennas (Excludes Product Design under Clause 8.3)

Certificate Number:	Date of Issue of Certification Cycle:	Date of Issue:
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101984/A/0001/SM/En	09 January 2019	08 January 2019
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Issue No:	Expiry Date:	IATF No:
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1	07 January 2022	0347932
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Issued by:

On behalf of the Schemes Manager

