



Radiation Technology, Inc.

昆山昕芮特电子科技有限公司

Specification For Approval

Customer: 111800

Description: 433MHz Antenna

Customer P/N: N/A

RTI P/N: N/A

Customer Rev: N/A

RTI Rev: SA Date: 2016.05.31

Radiation Technology Inc. Approval



www.rt-inc.com

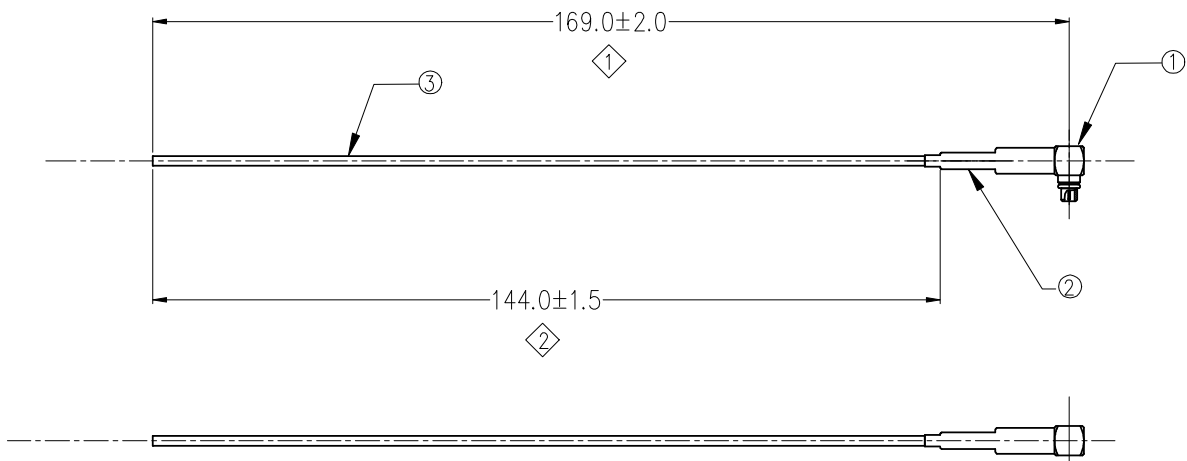


SYSTEM CERTIFIED

ISO/TS 16949:2009 No.01274/0
ISO 9001:2008 No.04431/0
ISO 14001:2004 No.01578/0

THE COMPONENT(S), INCLUDING ANY PLATING OR COATINGS, SUPPLIED PER THIS DRAWING MUST BE COMPLIANT WITH EU DIRECTIVE 2011/65/EU (RoHS DIRECTIVE)

REVISIONS				CHNGD BY/ DATE
REV.	ECN#	DESCRIPTION		
SA	N/A	FRIST RELEASE FOR SAMPLE BUILD		Sean/2016.05.26



NOTES:

- 1) FREQUENCY: 423-443MHz;
- 2) VSWR: ≤ 3.5
- 3) IMPEDANCE: 50 Ω ;
- 4) TEMPERATURE RANGE: -30°C~+70°C;

③	CABLE	RG174 COAXIAL CABLE	1PC
②	TUBE	ø3.5mm BLACK HEAT SHRINK TUBE	1PC
①	CONNECTOR	MMCX R/A PLUG FOR RG174 CABLE	1SET
ITEM	NAME	MATERIAL	QTY
BILL OF MATERIAL			

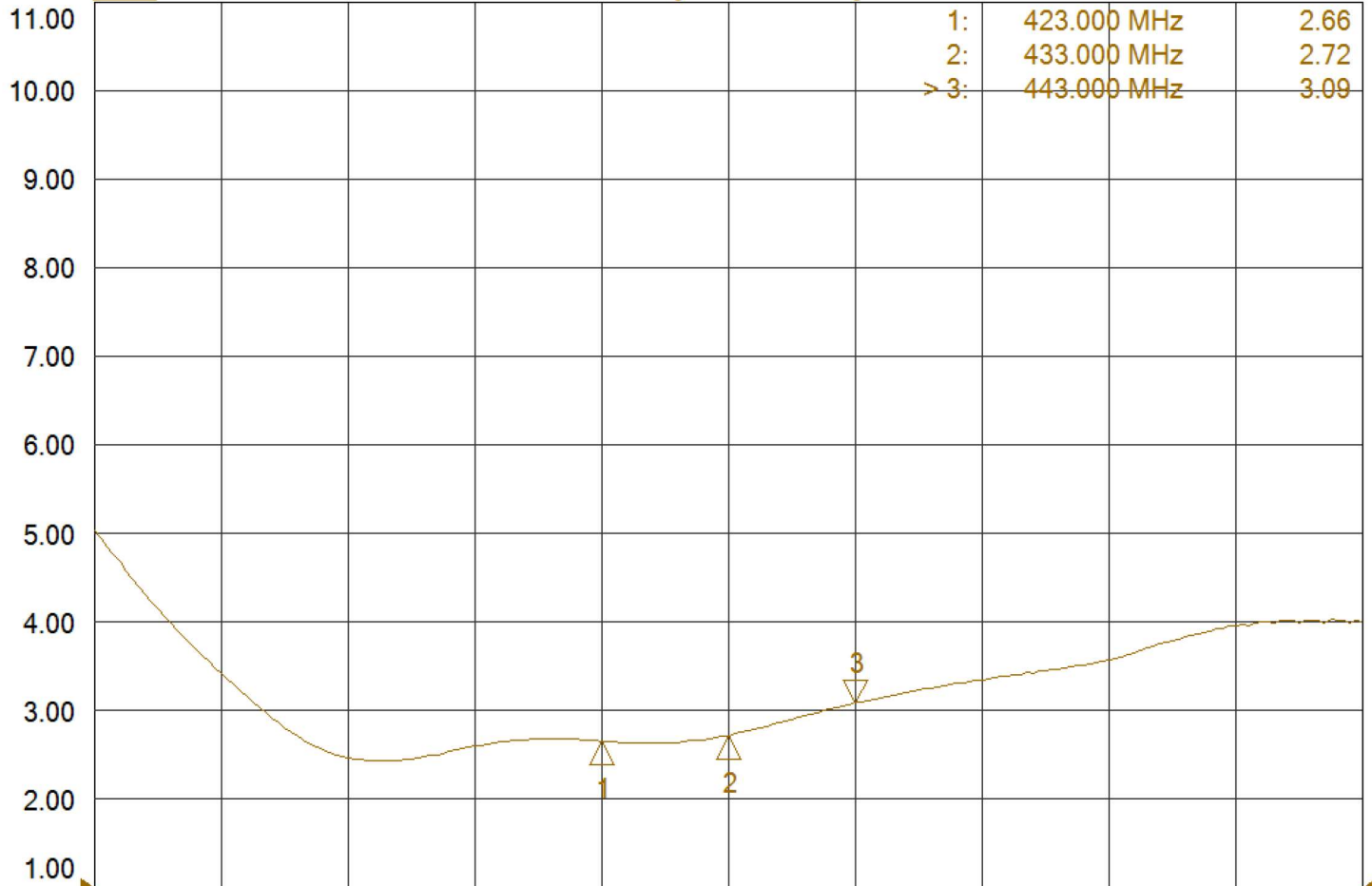
THIRD ANGLE PROJECTION 		DRAWING APPROVAL		 Radiation Technology, Inc. 昆山昕芮特电子科技有限公司 www.rt-inc.com	
		DWN: <i>Sean</i>			
		CHKD: <i>Ezreal</i>			
		APPD: <i>Kim</i>			
TOLERANCES UNLESS OTHERWISE SPECIFIED		ONE PLACE DECIMAL .X	N/A	CUS: 111800	RTI P/N: --- CUS P/N: ---
		TWO PLACE DECIMAL .XX	N/A		
		THREE PLACE DECIMAL .XXX	N/A		
		HOLE DIA. VARIATION .XX	N/A		
ANGULAR DIMENSION (ENG)		N/A		ITEM: 433MHz Antenna	
		SIZE: A4	UNIT: mm		
		SCALE: — : —		SHEET: 1 OF 1	CUS REV: N/A RTI REV: SA



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Parameter:	
Frequency	423-443MHz
Gain	3dBi
V. S. W. R	≤ 3.5
Impedance	50 Ω
Polarization	Vertical
Orientation	Omni
Temperature	-30°C ~ +70°C
Length	169mm
Connector	MMCX R/A PLUG FOR RG174 CABLE
Cable	RG174 COAXIAL CABLE

Tr 3 S22 SWR 1.000U/ 1.00U [Trace Max On]



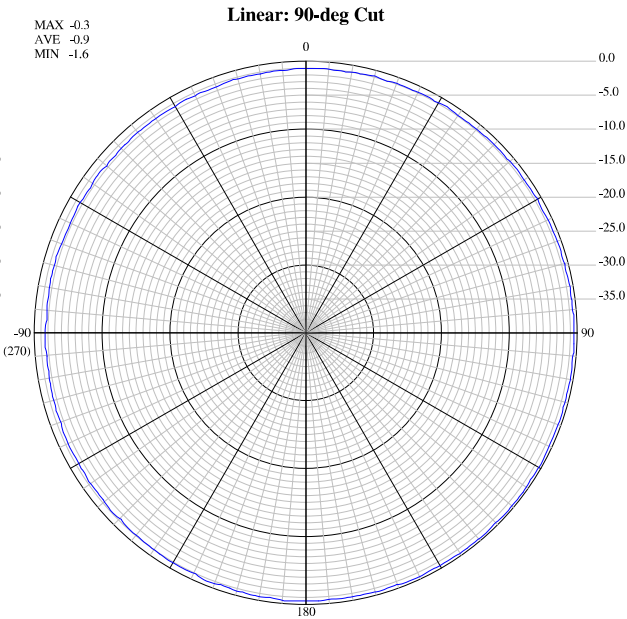
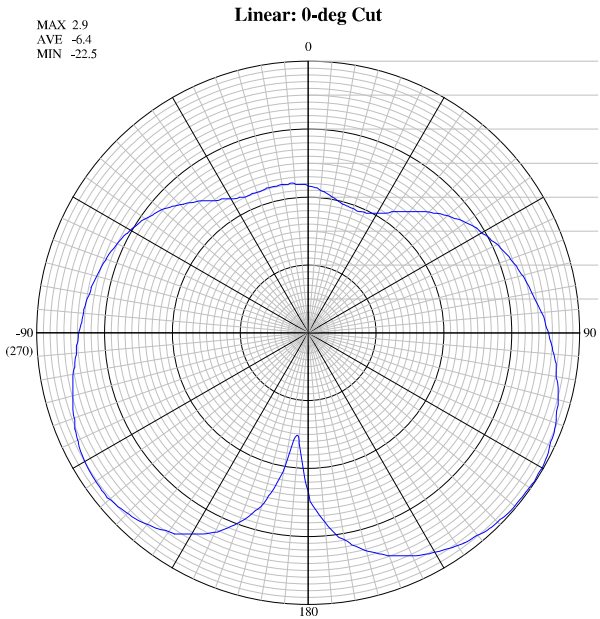
3 >Ch2: Start 383.000 MHz —

Stop 483.000 MHz



Scanner System

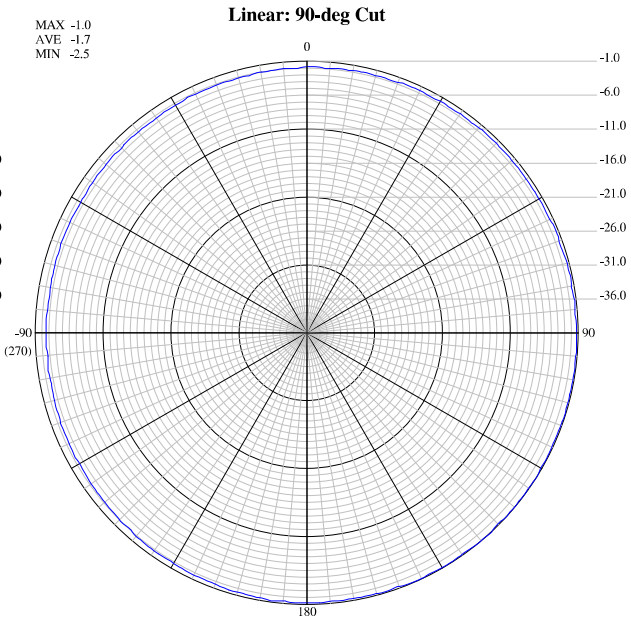
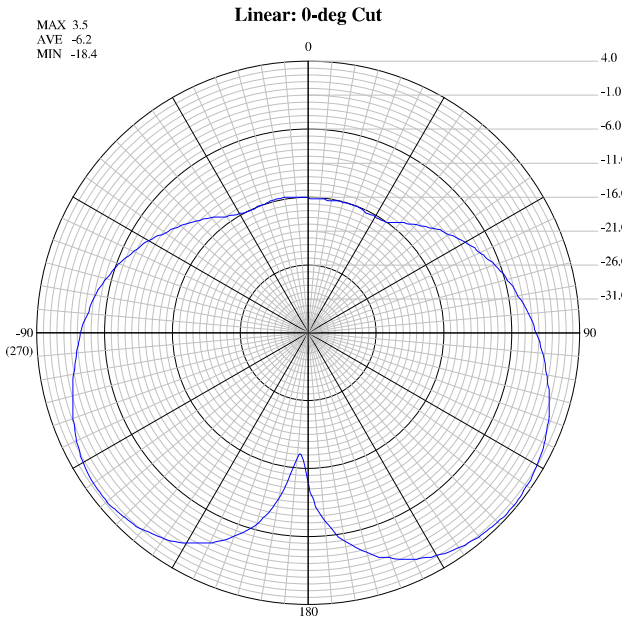
Far Field Patterns
Frequency: 0.4230





Scanner System

Far Field Patterns
Frequency: 0.4330





Scanner System

Far Field Patterns
Frequency: 0.4430

