



433M ROD ANTENNA

TECHNICAL DATA SHEET

TX433-JZR-17





TX433-JZR-17

NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX433-JZR-17	433M Rod Antenna
02	Material	TPEE	
03	Material of Radiator	Copper	Dipole
04	Connector Type	SMA Male	
05	Antenna Colour	Black	
06	Overall Length	170mm	OD5mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	8g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	433MHz	423~443MHz
02	Antenna Gain	3dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Capacity	20W	
07	S.W.R.	≤1.5	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30℃ ~ +75℃	
02	Storage Temperature	-30℃ ~ +75℃	
03	RoHS Compliant	YES	

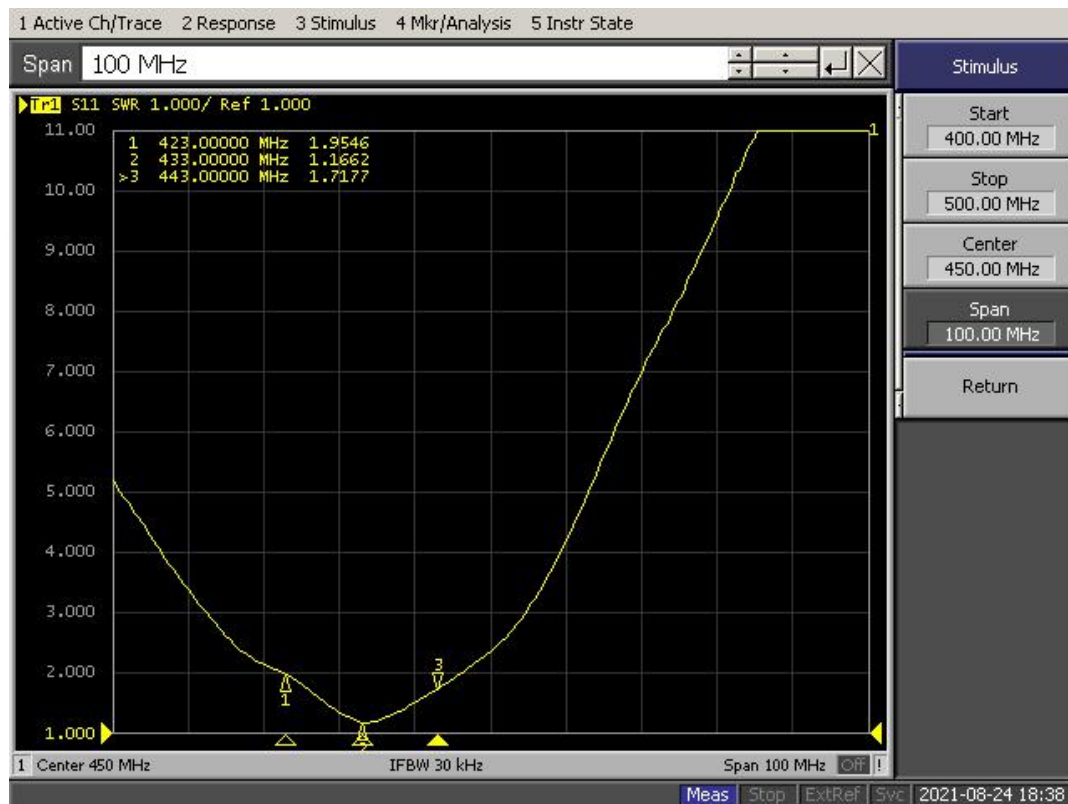
MECHANICAL DRAWING



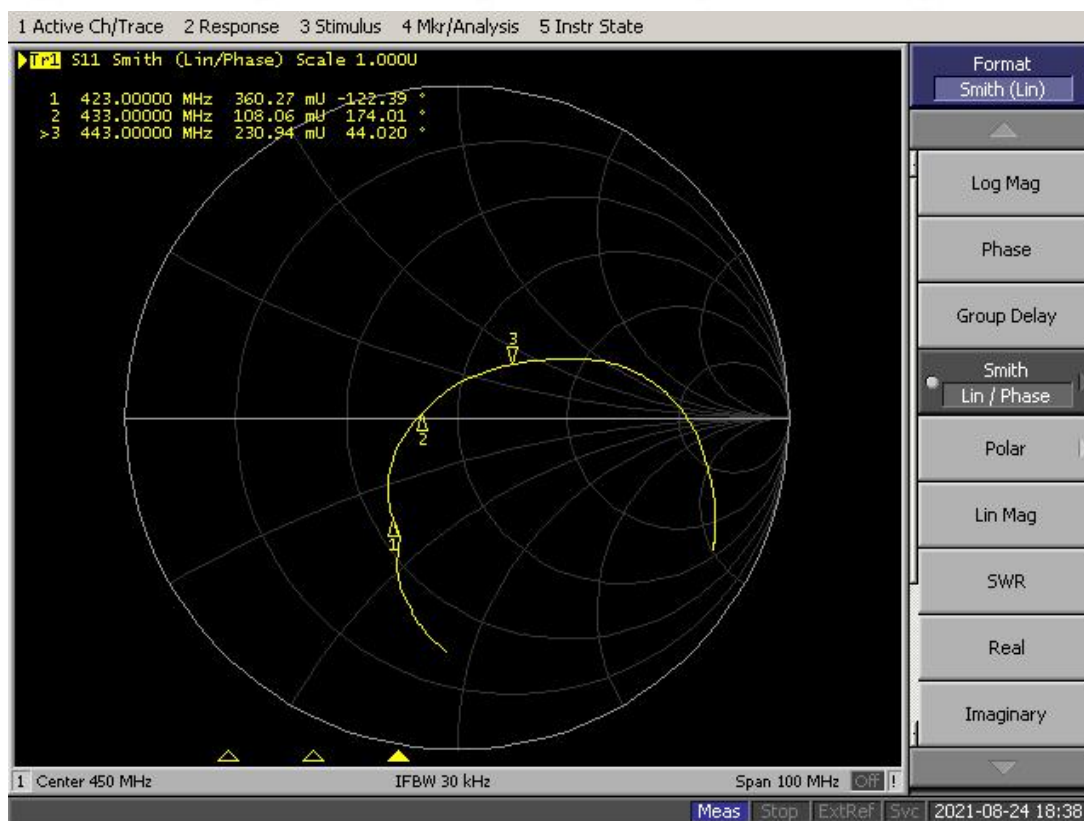
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Radome	1	TPEE Black
b	Connector	1	SMA Male Nickel plated

S.W.R.



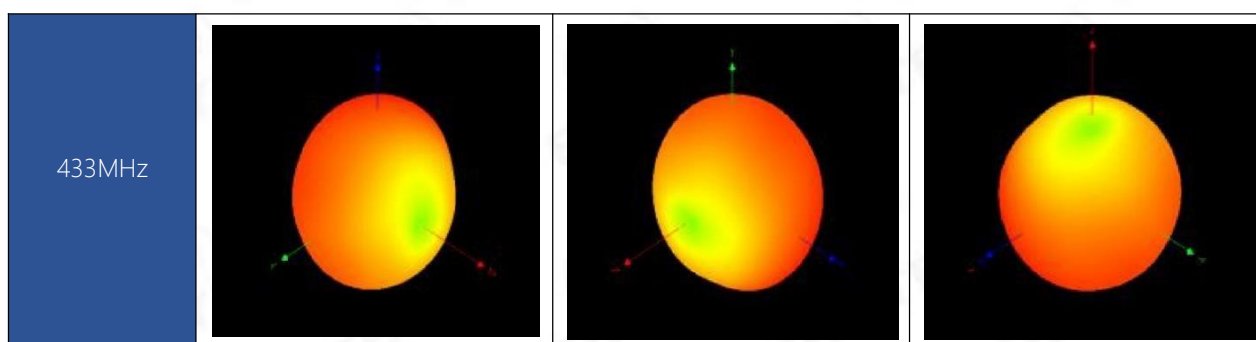
SMITH



EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	424M	59.02	2.32
02	427M	57.94	1.61
03	430M	61.52	2.12
04	433M	65.16	3.12
05	436M	60.95	2.64
06	439M	61.52	2.46
07	442M	59.57	1.02
08	445M	61.80	1.77

RADIATION PATTERN



DISCLAIMER

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Fax: 028-64146160 ext. 821

Web: www.ebyte.com

Address: Innovation Center D347, 4# XI-XIN Road, Chengdu, Sichuan, China