



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期	2023/09/14
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版本	1.0
Revision	

客户

CUSTOMER:

道通

客户料号

CUSTOMER NO:

TS508WF

品名

PART NAME:

315MHz & 433MHz Antenna


供方料号

SUPPLIER NO:

送样日期

送样数量

客户确认 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A



承认书项目表

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天线规格

Antenna Specification

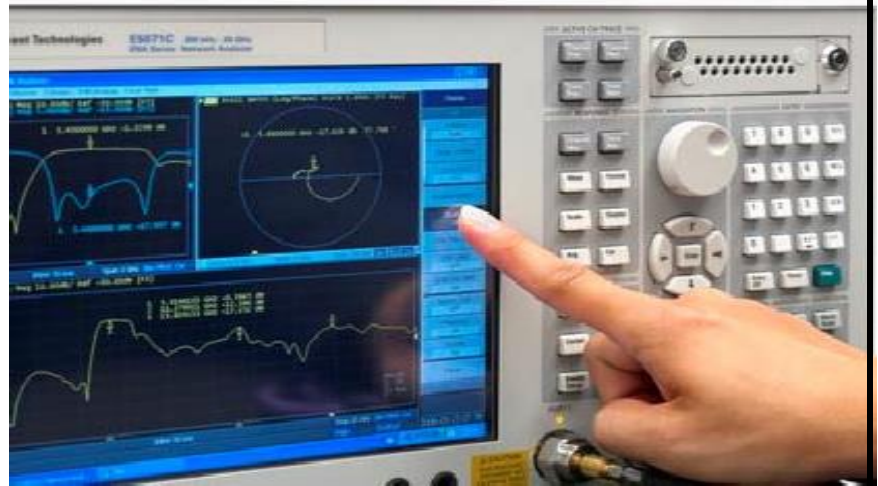
Electrical Properties

Frequency	315MHz 433MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	0.0 dBi
Radiation	Omni-directional
Polarization	Linear

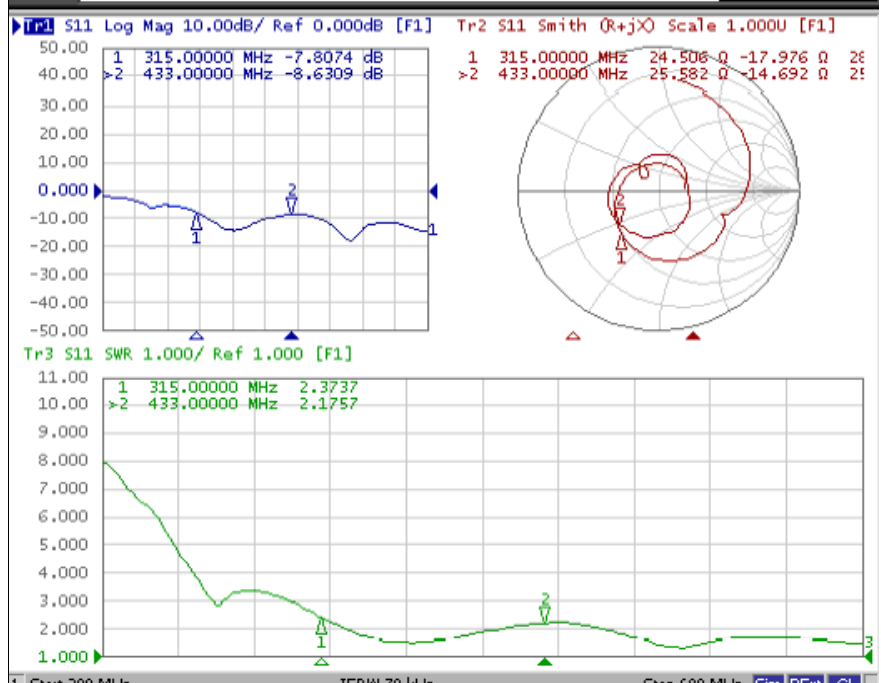


Antenna Performance Test

**Agilent
E5071B**

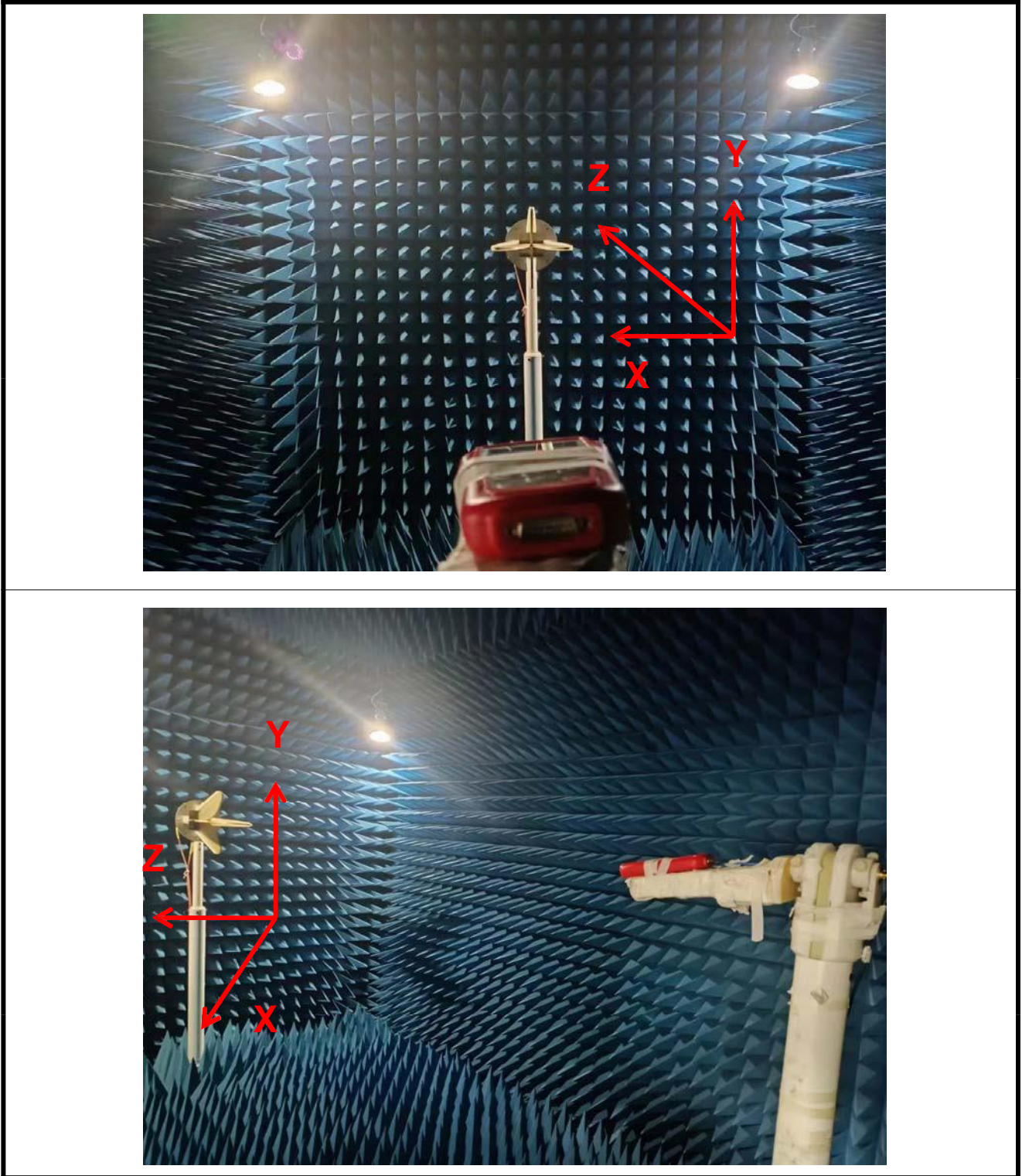


**S
Parameter
Test //
315MHz &
433MHz
Antenna**





Antenna Passive Test





Passive Test For 315MHz

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
310	10.1	-10.0	0.0
311	11.3	-9.5	0.0
312	12.7	-9.0	0.0
313	12.6	-9.0	0.0
314	12.4	-9.1	0.0
315	12.4	-9.1	0.0
316	12.3	-9.1	0.0
317	12.8	-8.9	0.0
	12.7	-9.0	0.0
319	12.8	-8.9	0.0

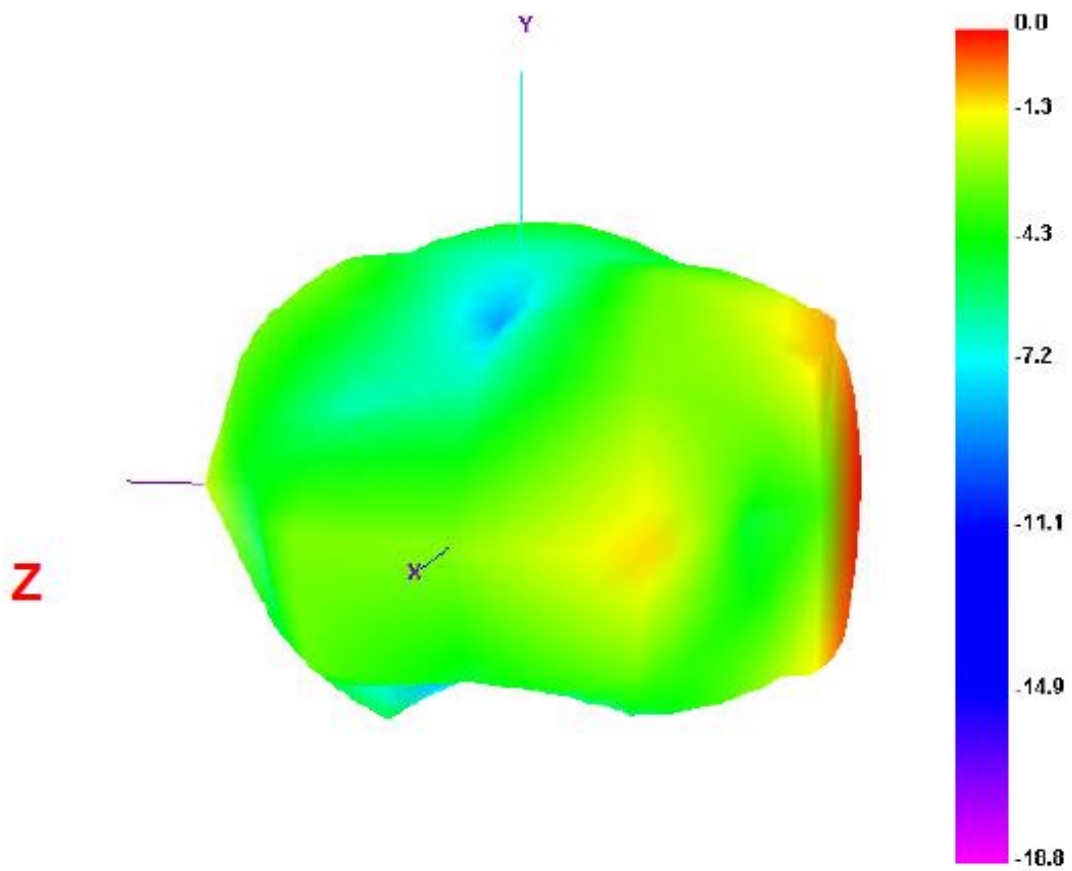


Passive Test For 433MHz

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
430	16.2	--7.9	0.0
431	17.0	-7.7	0.0
432	18.8	-7.2	0.0
433	19.2	-7.2	0.0
434	20.4	-6.9	0.0
435	19.6	-7.1	0.0
436	18.9	-7.2	0.0
437	18.2	-7.4	0.0
	17.5	-7.6	0.0
439	16.8	-7.8	0.0

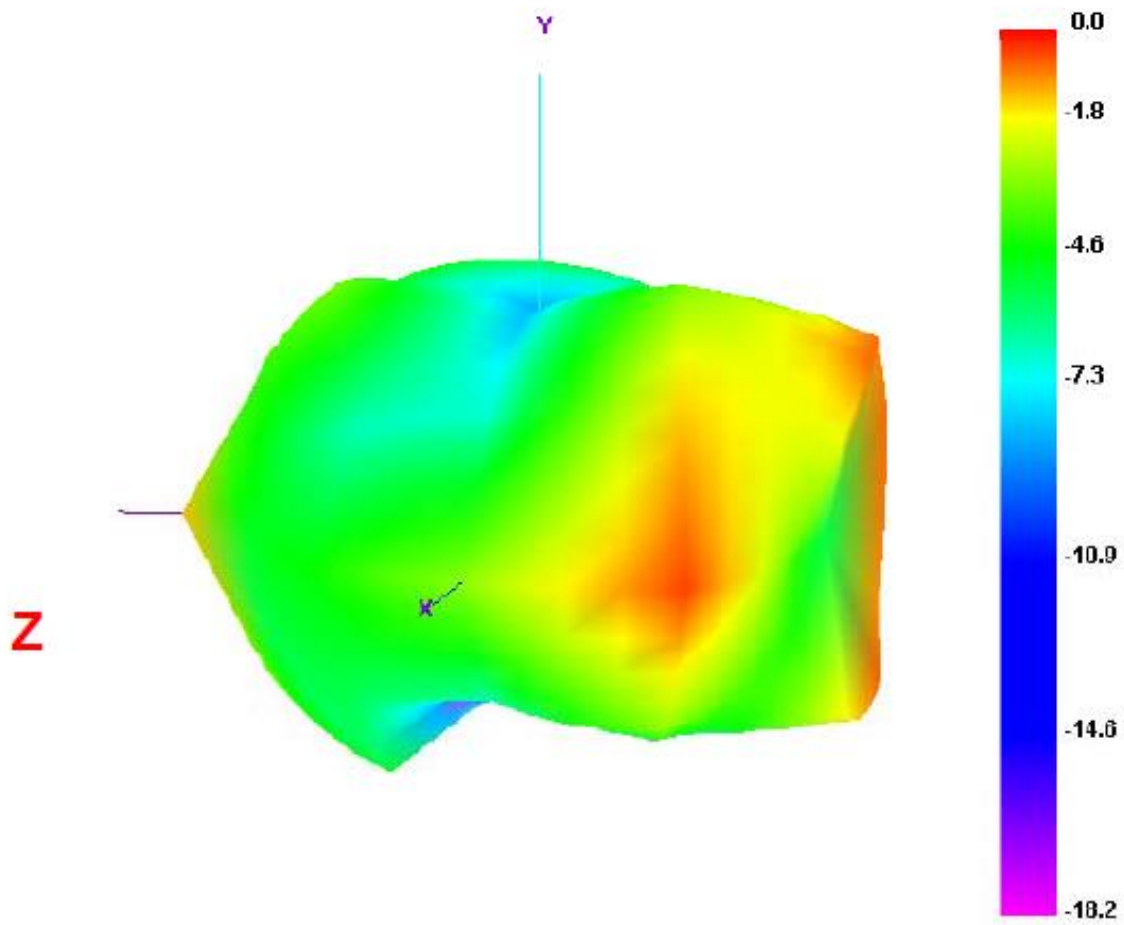


0 dBi Max. @ 315MHz





0 dBi Max. @ 433.92MHz



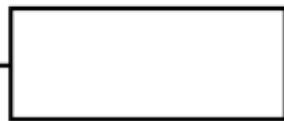


315MHz&433MHz Antenna Matching Circuit

Antenna



220 pF



Wireless
Module





Device





***315MHz
&
433MHz
Antenna***





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