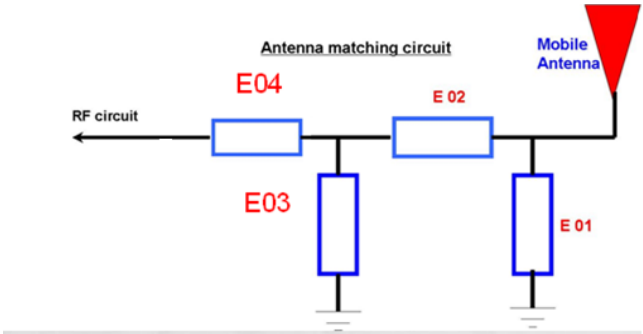


Shenzhen Kenhaitong Antenna Technology CO.,LTD

Antenna Test Report

Manufacturer	RCK
Model Name	XDC03
Date	2023. 3. 20
Designer	zhangye

Matching Circuit



No changes to the match

Electrical Parameter

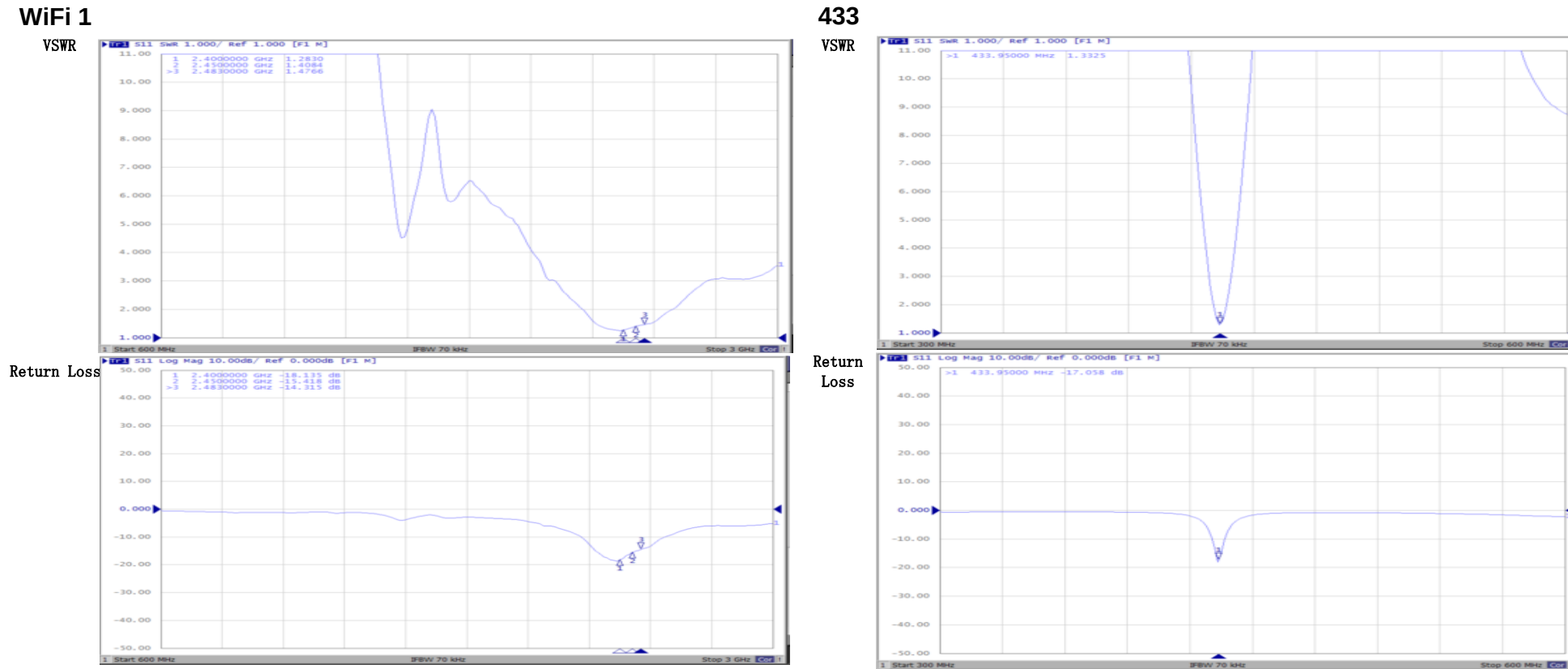
Frequency Range (MHz)	2400-2500	433
MAX Gain(dBi)	2.4G: 2.38	433: -3.72
Average Efficiency (%)	2.4G: 47.9	433: 9.2
VSWR	2.4G<1.5 typ.	433<1.5 typ.
Return Loss (dB)	2.4G<-13 typ.	433<-16 typ.
Isolation	2.4G≥20dB	433≥25dB
Polarization	Linear	
Input Impedance	50 Ω	
Material	Support+LDS	
Maximum Input Power	10W	
Operation Temperature	-40° C ~ +85° C	
Storage Temperature	-40° C ~ +85° C	
Antenna Manufacturer	Shenzhen Kenhaitong Antenna Technology CO.,LTD	

WIFI OTA/Conducted Data

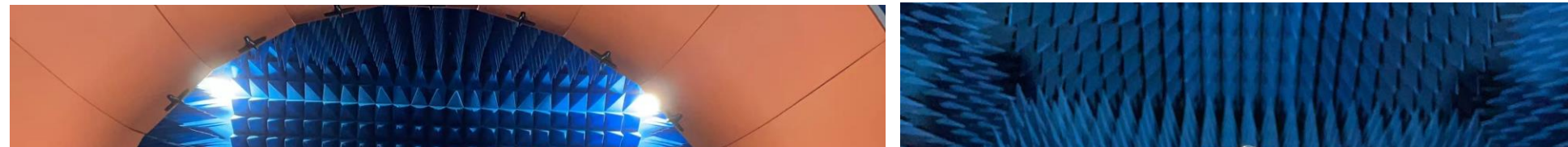
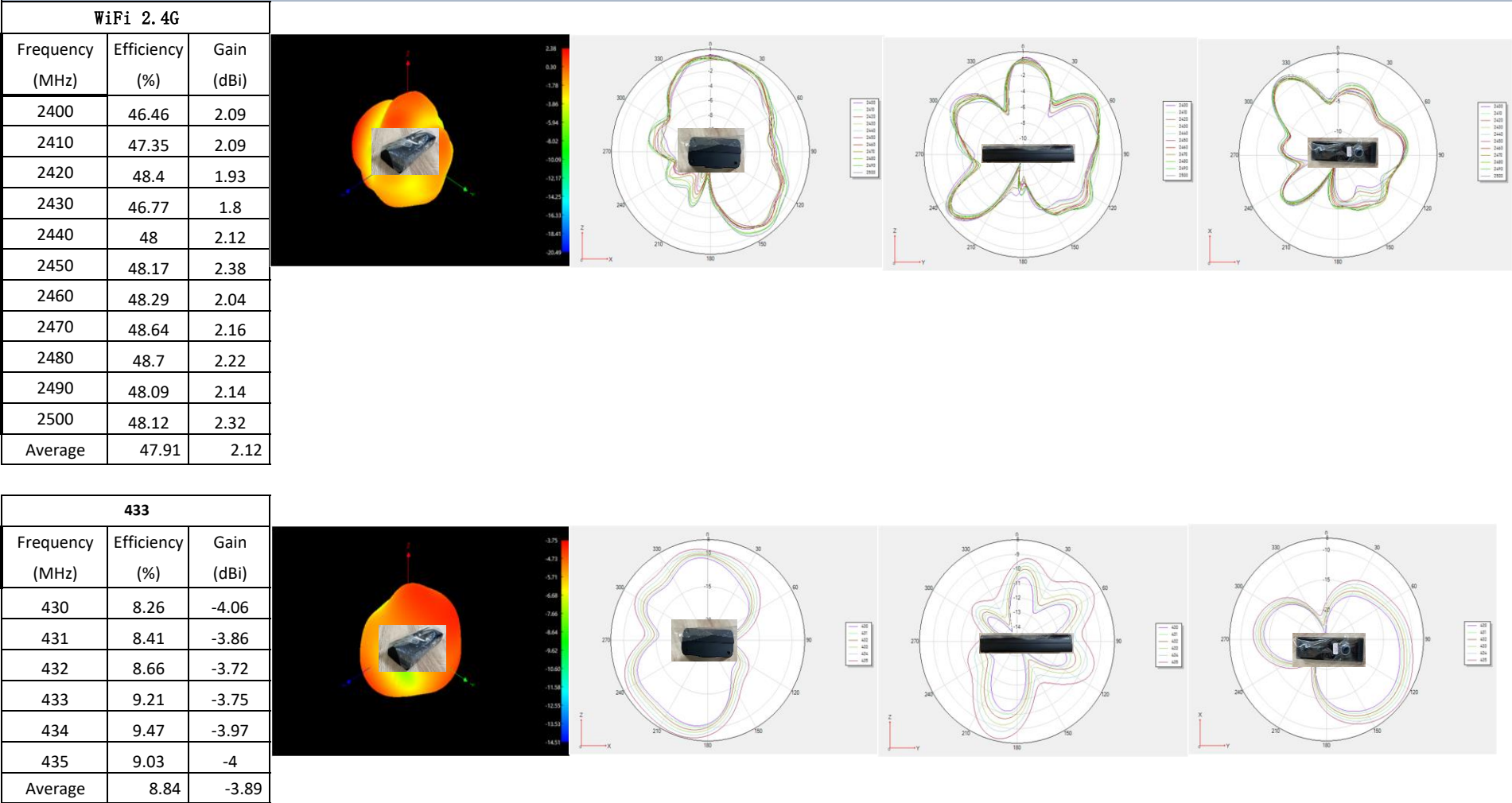
Band	Channel	TRP	TIS	Conduct TRP	Conduct TIS
802.11b (11Mbps)	1	17.32	-86.5	19	-88
	6	17.17	-86.02	19.1	-89
	11	17.41	-85.6	19.1	-89
	1	16.01	-73.1	16.8	-77

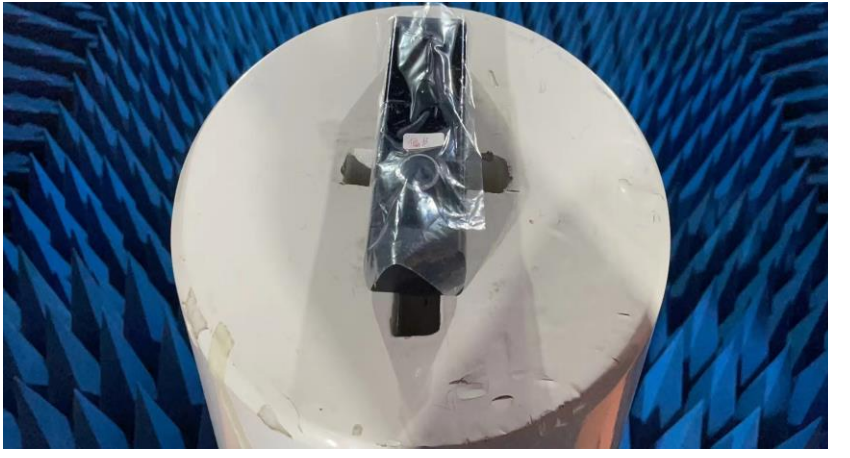
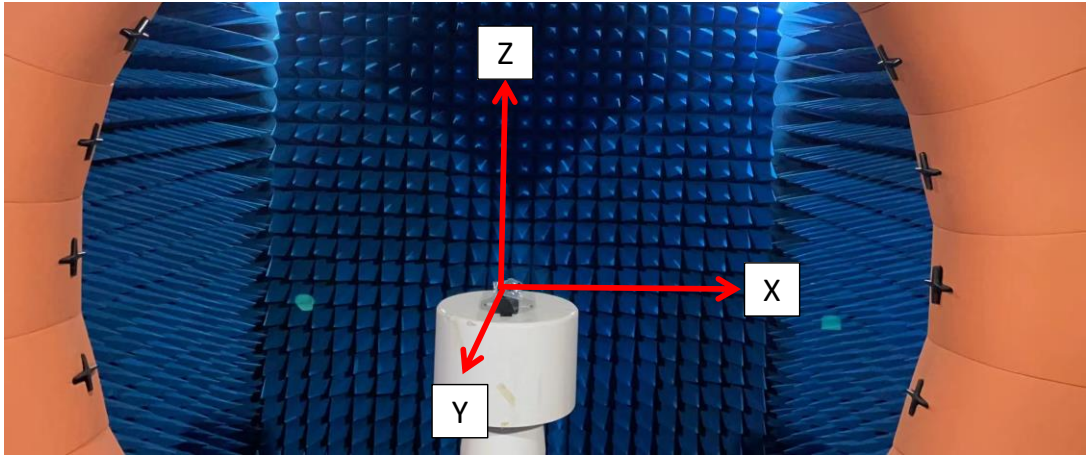
802. 11g (54Mbps)	6	15. 94	-72. 11	16. 8	-78
	11	15. 92	-73	16. 7	-77
802. 11n(MCS2)	1	16. 1	82. 62	16. 8	-85
	6	16. 32	81. 78	16. 8	-85
	11	16. 56	81. 32	16. 8	-85

Antenna S11 Parameters



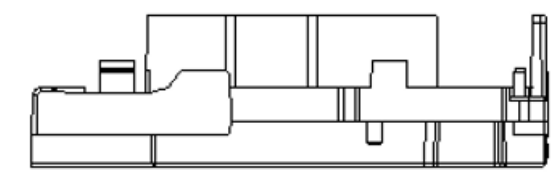
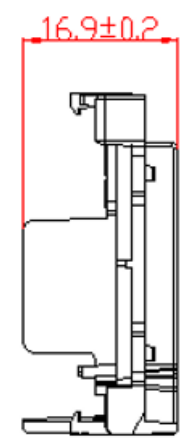
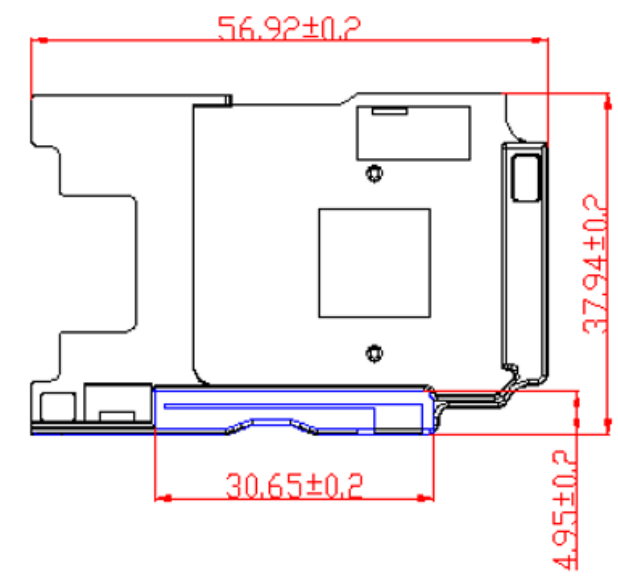
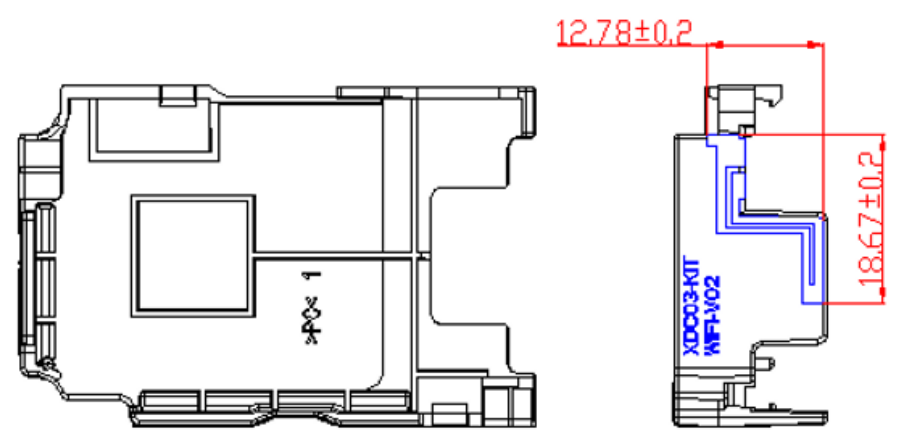
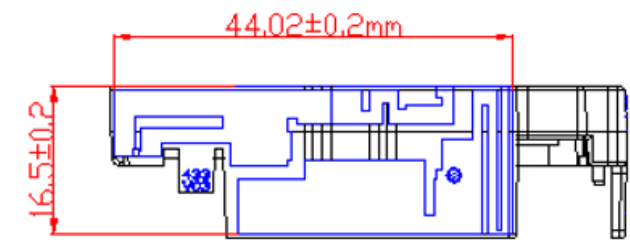
Antenna Efficiency/Gain/Directional Diagram





Antenna Structure Diagram

REV	DATE	DESCRIPTION
A	21/02-2023	New Issue



Technical requirement:
 1. Clean in appearance, without damage;
 2. The finished product shall be 100% fully inspected OK;
 3. Adopt the environmental protection manufacturing process.

CUSTOMER'S SINGTURE	XX	±5	APPROVED	CUSTOMER:		
	X	±3.0		PART NO:		
	.X	±1.0	CHECKED	PART NAME:XDC03		
	.XX	±0.5		MEDAY P/N:		
	.XXX	±0.1	DRAWING	REV	UNIT	FILE:
				A	M/M	SHEET:1/1

Shenzhen Kenhaitong
Antenna Technology Co., Ltd.