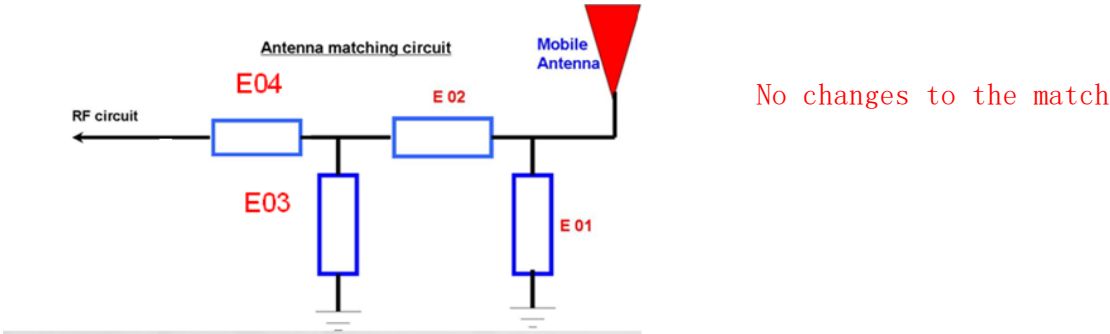


Shenzhen Kenhaitong Antenna Technology CO.,LTD

Antenna Test Report

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

Matching Circuit

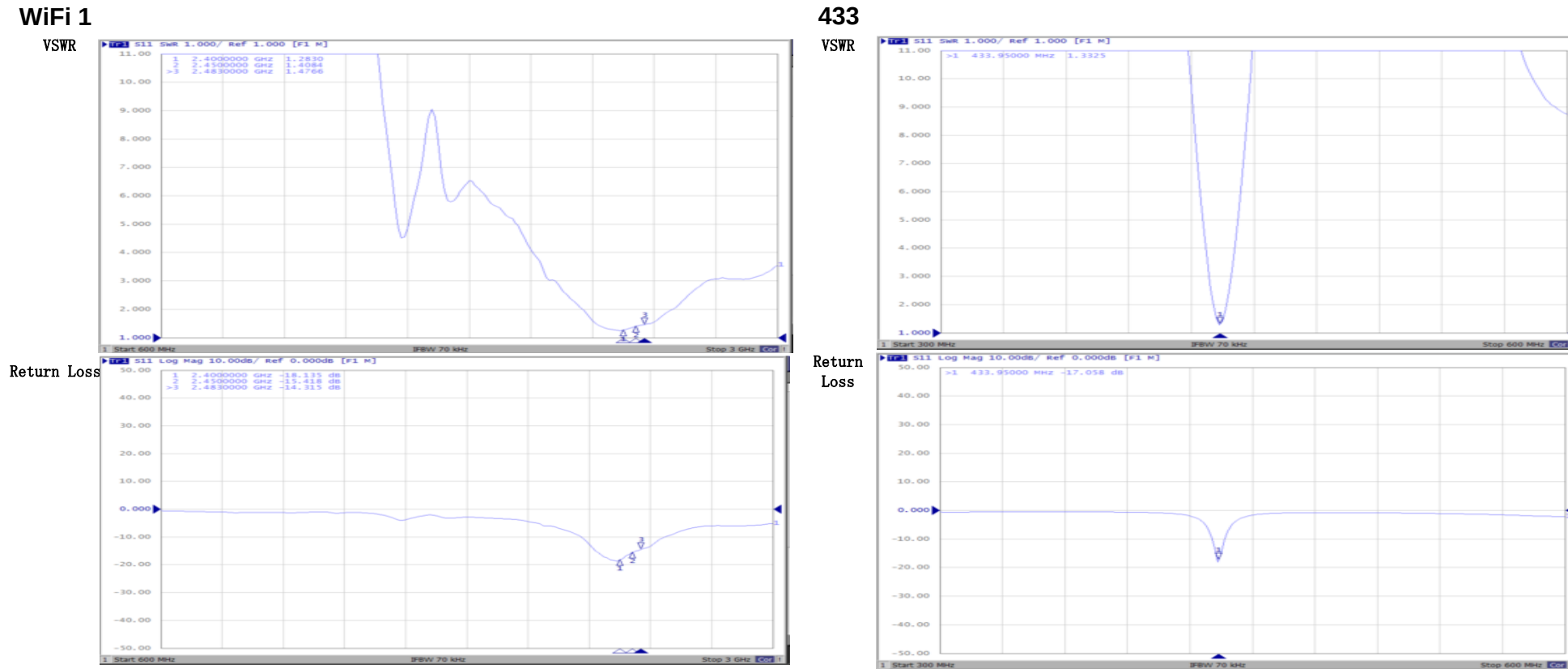


Electrical Parameter		
Frequency Range (MHz)	2400-2500	433
MAX Gain(dBi)	2.4G: 2.38	433: -3.72
Average Efficiency (%)	2.4G: 47.9	433: 9.2
VSWR	2.4G<1.5 typ.	433<1.5 typ.
Return Loss (dB)	2.4G<-13 typ.	433<-16 typ.
Isolation	2.4G≥20dB	433≥25dB
Polarization	Linear	
Input Impedance	50 Ω	
Material	Support+LDS	
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		

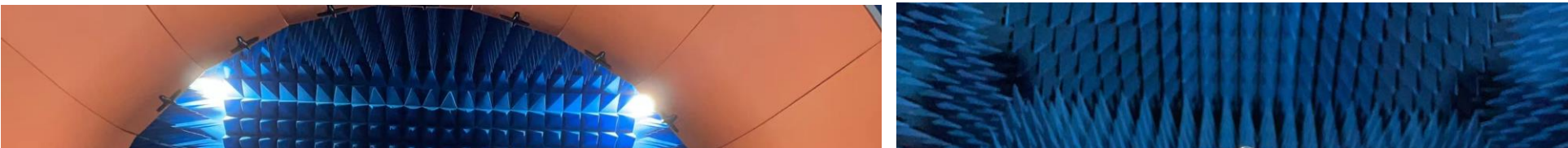
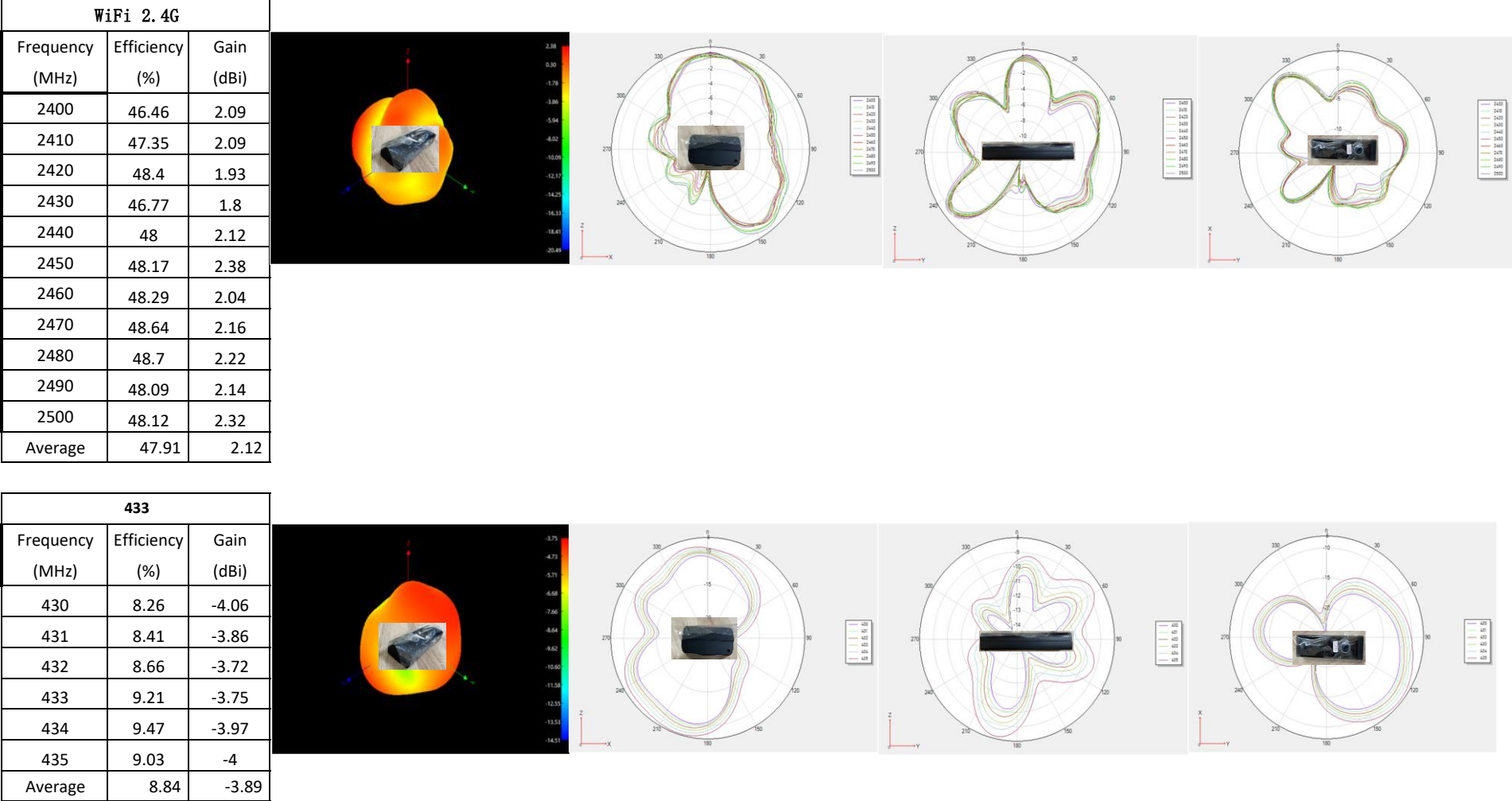
Band	Channel	TRP	TIS	Conduct TRP	Conduct TIS
802.11b (11Mbps)	1	17.32	-86.5	19	-88
	6	17.17	-86.02	19.1	-89
	11	17.41	-85.6	19.1	-89
	1	16.01	-73.1	16.8	-77

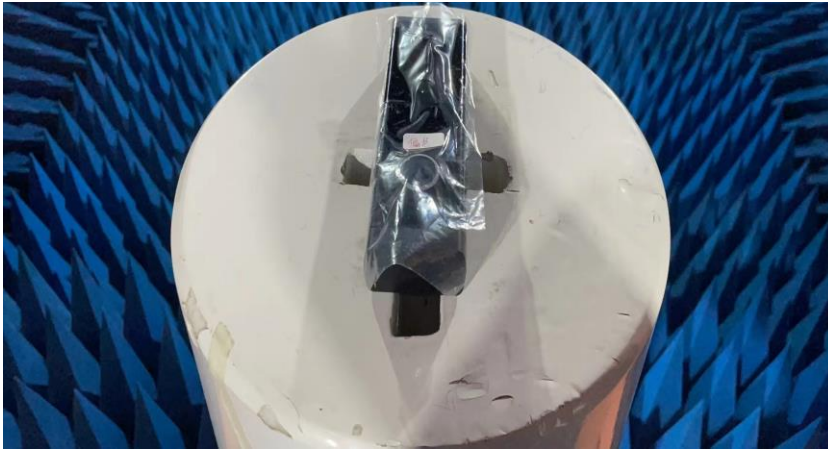
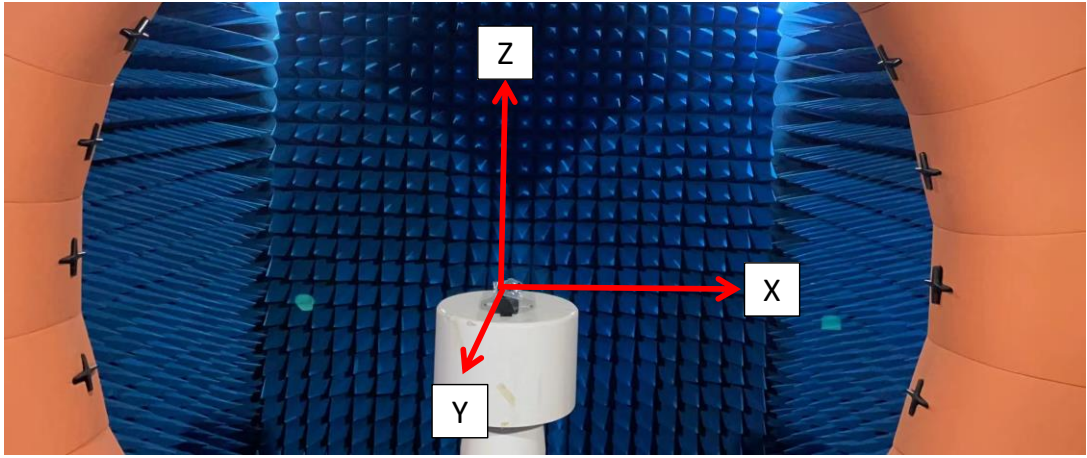
802. 11g (54Mbps)	6	15. 94	-72. 11	16. 8	-78
	11	15. 92	-73	16. 7	-77
802. 11n (MCS2)	1	16. 1	82. 62	16. 8	-85
	6	16. 32	81. 78	16. 8	-85
	11	16. 56	81. 32	16. 8	-85

Antenna S11 Parameters



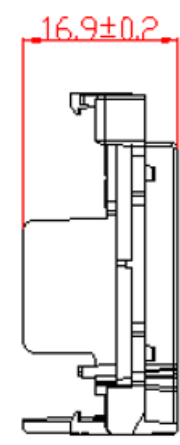
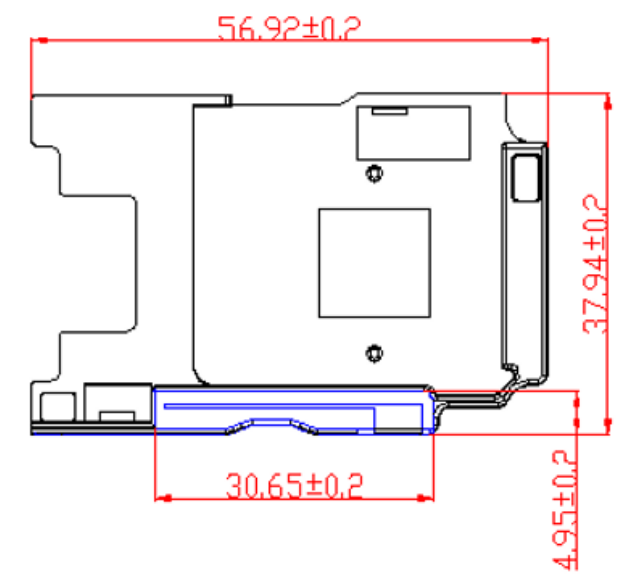
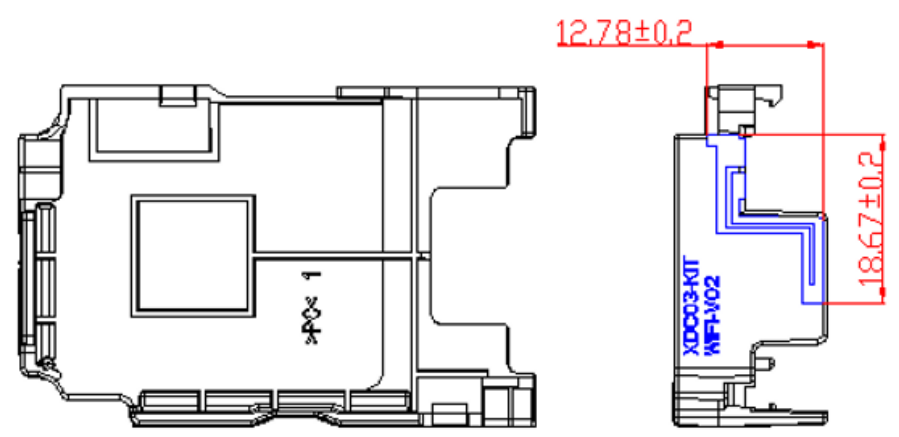
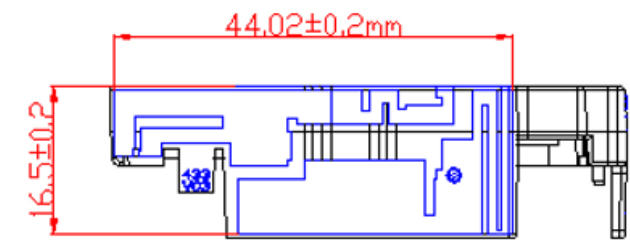
Antenna Efficiency/Gain/Directional Diagram





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.

	XX.	±5	APPROVED	CUSTOMER:		
	X.	±3.0		PART NO:		
CUSTOMER'S SINGTURE	.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.