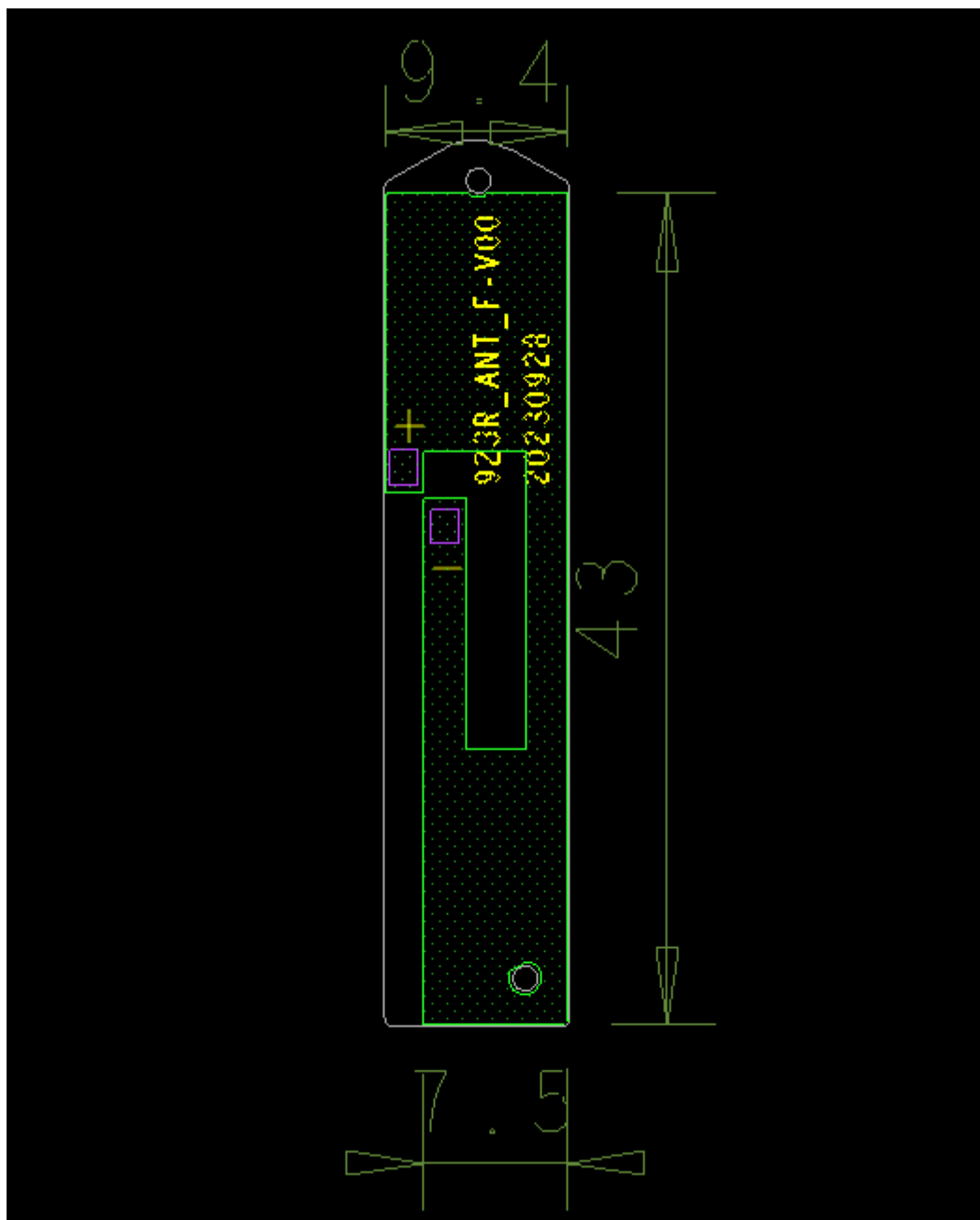


K17 antenna specification

Description	
Project Name	R9/S15/K17
Operation Band	Bluetooth / Wifi2.4G/ Wifi5G
Frequency	2400MHz-2500MHz、 5180-5825MHz
Gain	7.25dBi、 8.16dBi
Antenna Type	Internal antenna with PCB
Manufacturer	SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD.
Address	606, Building E, Enterprise Aviation Technology Innovation Research and Development Industrial Park, No. 1008, Songbai Road, Sunshine Community, Xili Street, Nanshan District, Shenzhen
Testing Equipment	
VNA	E5071C
Chamber	Guangping Chamber system
Time	2023-9-14

1 Antenna pattern



2 Passive data

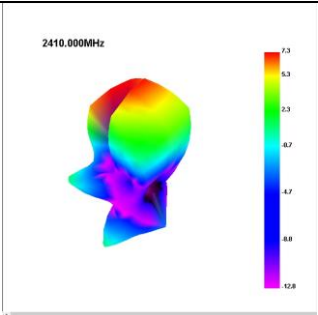
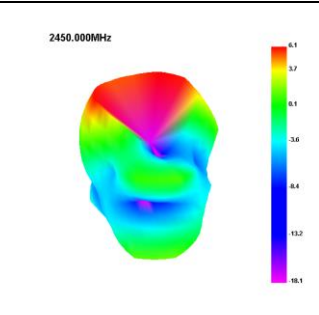
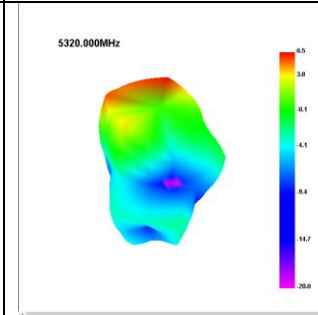
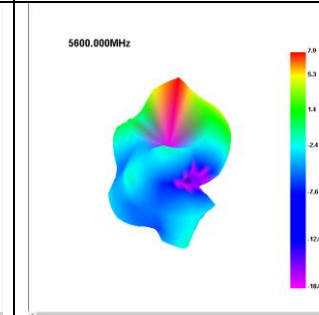
2.1 S11

Fre(MHz)	2400	2450	2500	5150	5520	5850
Result(dB)	-13	-25	-16	-10	-30	-15

2.2 Efficiency & Gain

Freq	Effi	Effi	Gain		Fre (MHz)	Eff (%)	Eff (dB)	Gain (dBi)
(MHz)	(%)	(dB)	(dBi)		(MHz)	(%)	(dB)	(dBi)
2400	77.73	-1.09	7.2		5200	45.21	-3.45	6.14
2410	84.58	-0.73	7.25		5250	46.1	-3.36	5.66
2420	85.8	-0.66	7.18		5320	58.6	-2.32	6.5
2430	79.33	-1.01	6.69		5350	53.98	-2.68	6.21
2440	91.26	-0.4	7.1		5400	45.37	-3.43	5.51
2450	78.43	-1.06	6.12		5450	46.31	-3.34	5.93
2460	87.73	-0.57	6.64		5500	54.05	-2.67	6.44
2470	70.88	-1.49	5.72		5600	59.65	-2.24	7.92
2480	80.8	-0.93	6.27		5700	62.47	-2.04	7.41
2490	68.36	-1.65	5.54		5800	76.01	-1.19	8.16
2500	76.03	-1.19	5.9					

2.3 Radiation Pattern

3D pattern			
2410.000MHz 	2450.000MHz 	5320.000MHz 	5600.000MHz 
H-plan			

