

K22 Remote Control Antenna Test Report

Customer Name: Huang Fangkuai Technology Co., Ltd.

Project Name: K2

Date: January 21, 2026

project brief

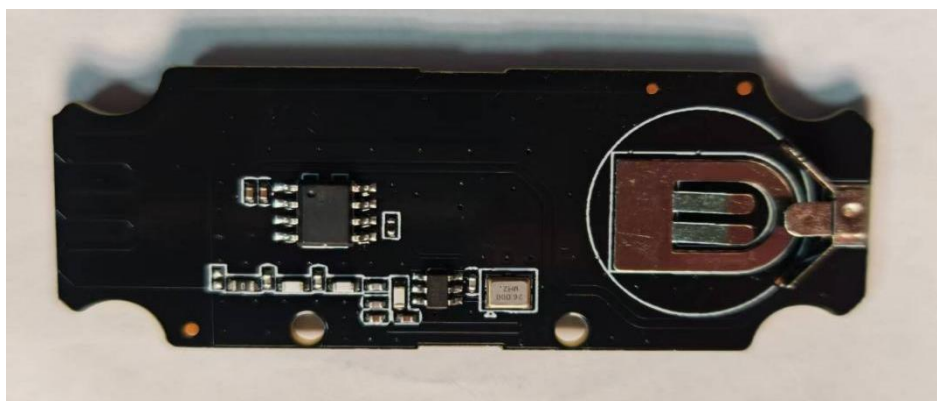
1、Project Overview

Number of project antennas	Machine type
1	motorcycle driving recorder
material of the entire machine's casing: plastic shell	

2、Project Overview

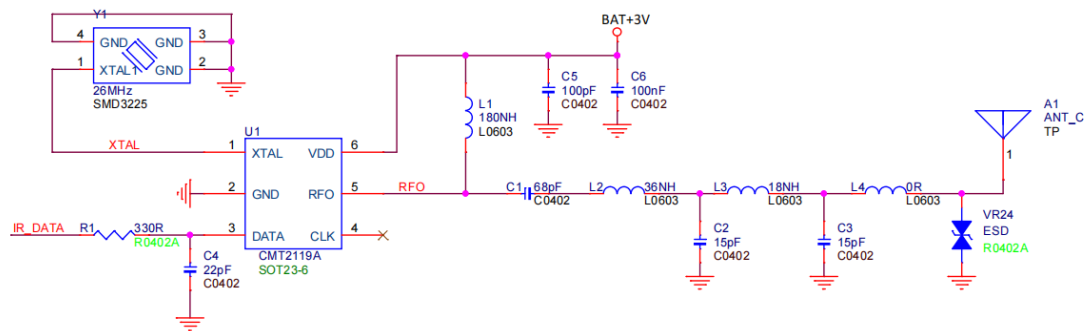
Antenna number	name	operating frequency/MHZ	Material/Outcome
1	remote control	433 MHZ	PCB antenna

3、antenna position

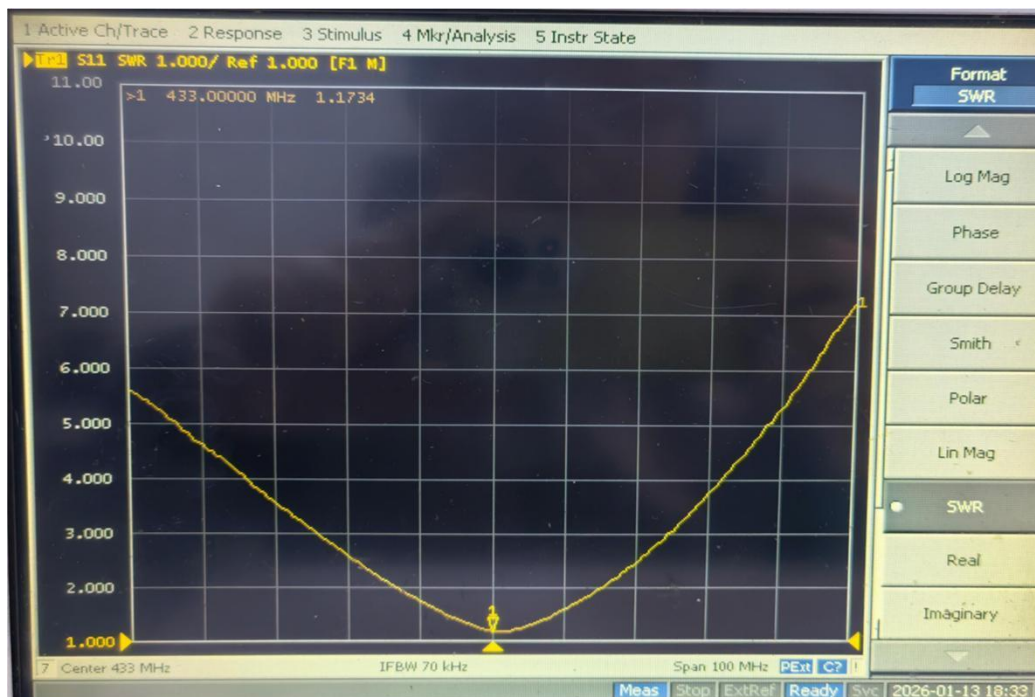




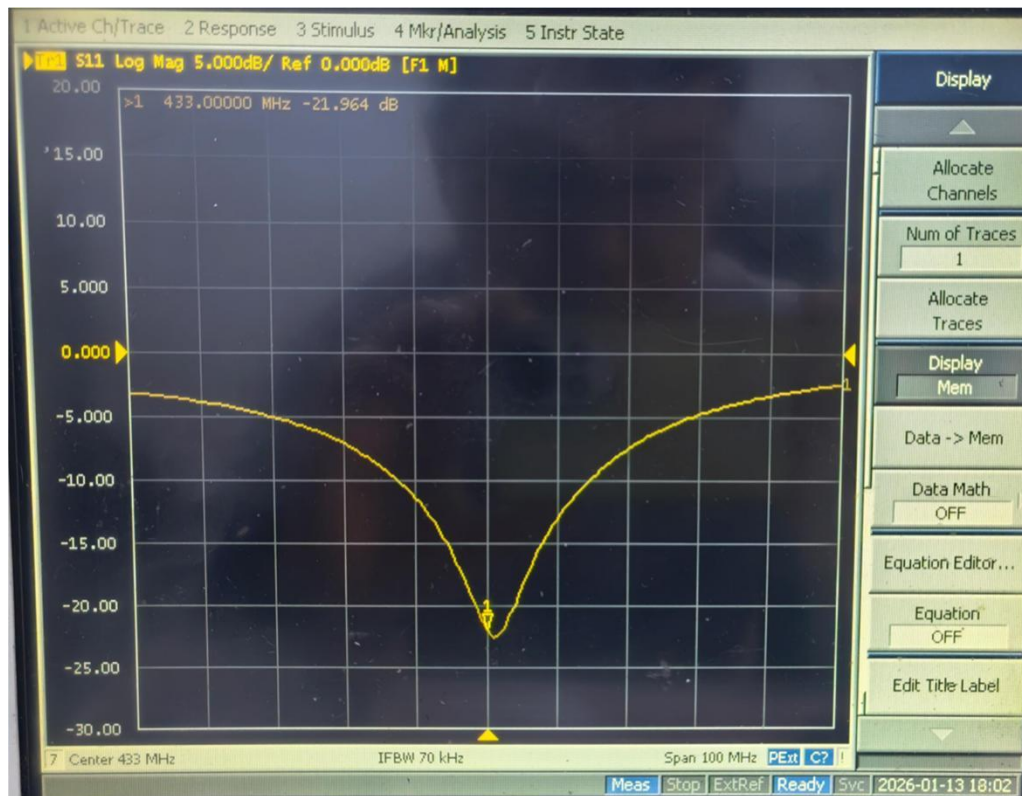
4、 antenna matching



5、 Remote control standing wave ratio: 1.17



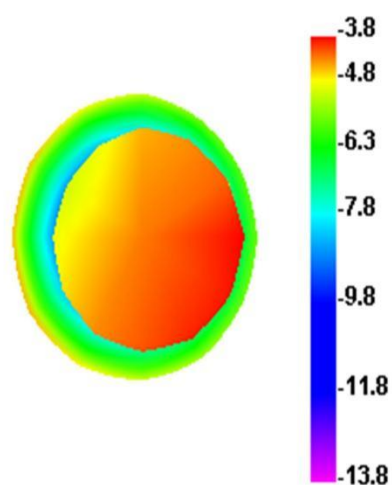
6、 Return loss: -21.9 dB;



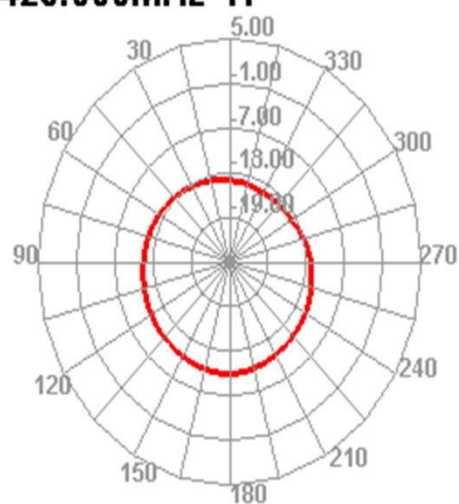
7、 Antenna efficiency

Passive Test For LLW				
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
425	19.19	-7.17	-3.78	-5.93
426	20.44	-6.9	-3.71	-5.86
427	21.65	-6.65	-3.57	-5.72
428	22.87	-6.41	-3.51	-5.66
429	23.71	-6.25	-3.39	-5.54
430	24.52	-6.11	-3.3	-5.45
431	25.97	-5.85	-3.02	-5.17
432	27.38	-5.63	-2.72	-4.87
433	28.51	-5.45	-2.53	-4.68
434	29.64	-5.28	-2.24	-4.39
435	31.05	-5.08	-1.96	-4.11
436	29.35	-5.32	-2.08	-4.23
437	27.89	-5.55	-2.44	-4.59
438	26.96	-5.69	-2.42	-4.57
439	25.79	-5.89	-2.58	-4.73
440	24.84	-6.05	-2.74	-4.89

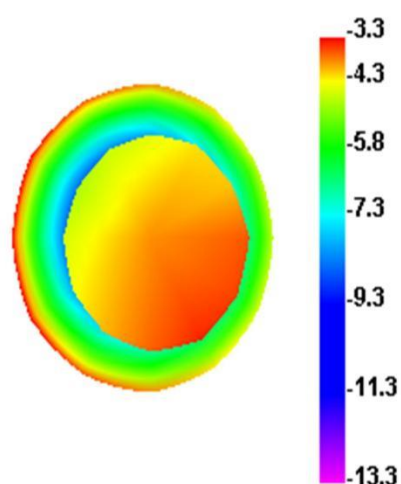
425.000MHz



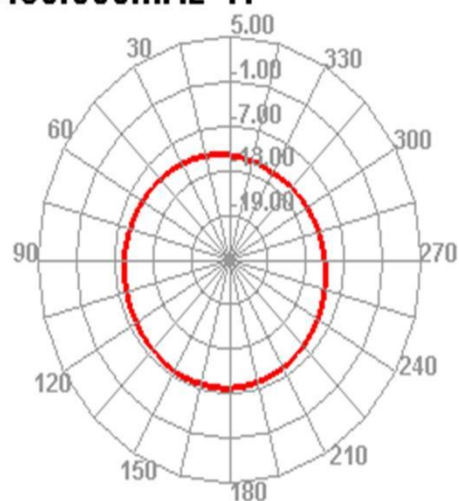
425.000MHz H



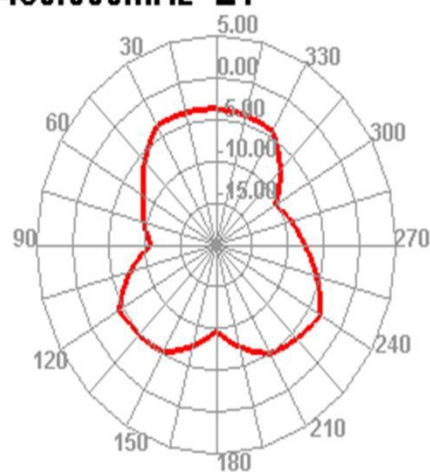
430.000MHz



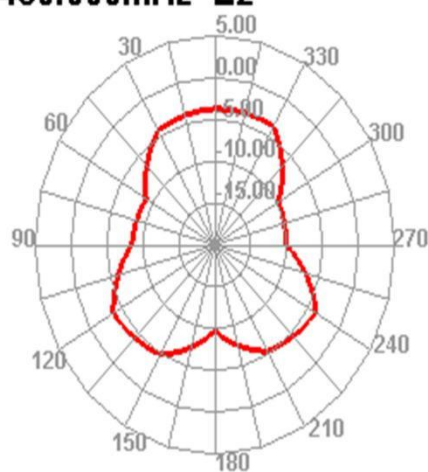
430.000MHz H



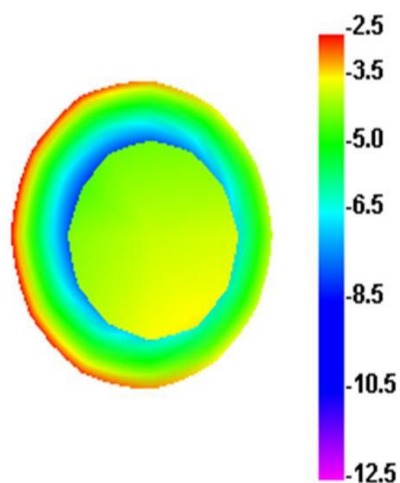
430.000MHz E1



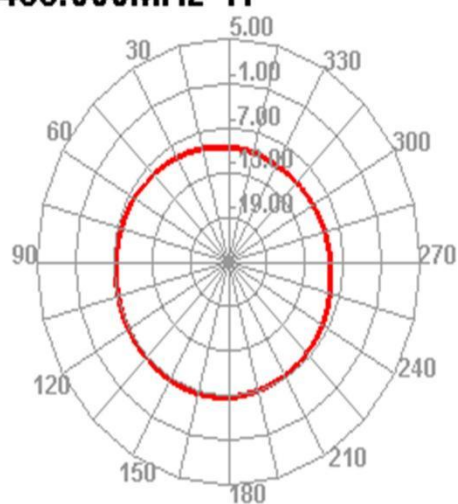
430.000MHz E2



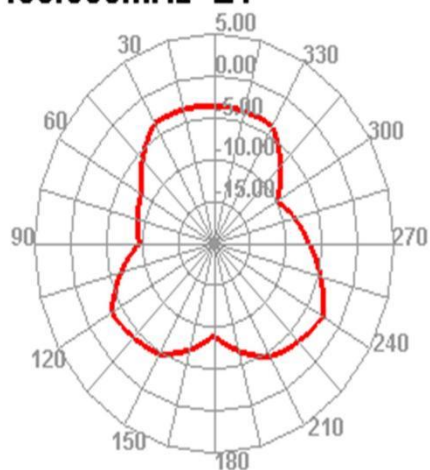
433.000MHz



433.000MHz H



433.000MHz E1



433.000MHz E2

