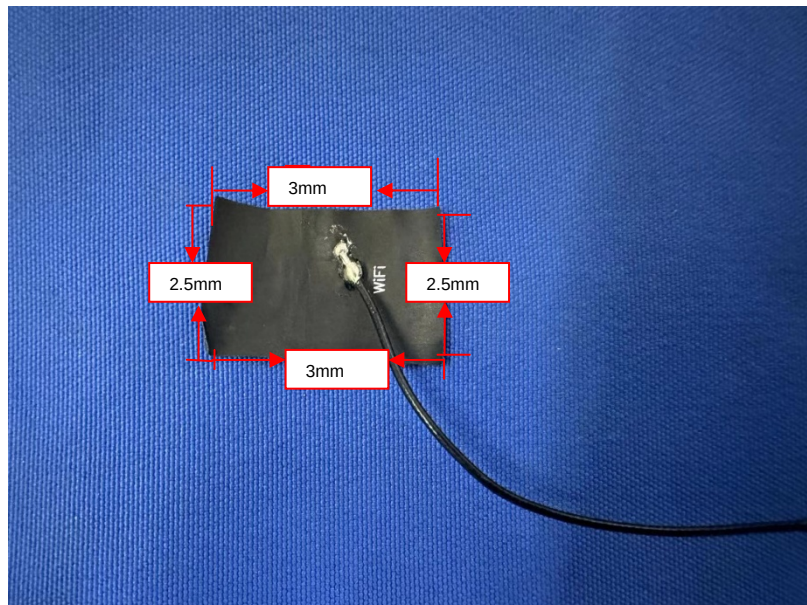


Applicant	:	iGulu (Shanghai) Intelligent Technology Co., Ltd.
Address	:	Room 109, 1st Floor, North District, 5599 Yanqian Road, Fengxian District, Shanghai.
Model/Type reference	:	Beer fermenter and cooler
Power supply:		INPUT: 100-240V ~ 50-60Hz 1.8A OUTPUT: 12.0V DC 5.0A 60W
Modulation:		GFSK, 802.11b: CCK/QPSK/BPSK 802.11g/n: BPSK/QPSK/16QAM/64QAM
Operation frequency:		2402MHz to 2480MHz 2412 MHz to 2462 MHz for 802.11b/g/n(HT20)
Antenna type:		FPC Antenna

1.Sample photo



2. Project biref

1	Operating band	WIFI:2.4G BT
2	Frequency band	WIFI:2400-2500Mhz ;5150-5850Mhz BT:2400-2500Mhz
3	Antenna type	WIFI:FPC BT:FPC
4	Material and implementation shape	FPC+ Bonding wire

Results Summary (2D/3D Radiation Pattern/Efficiency)

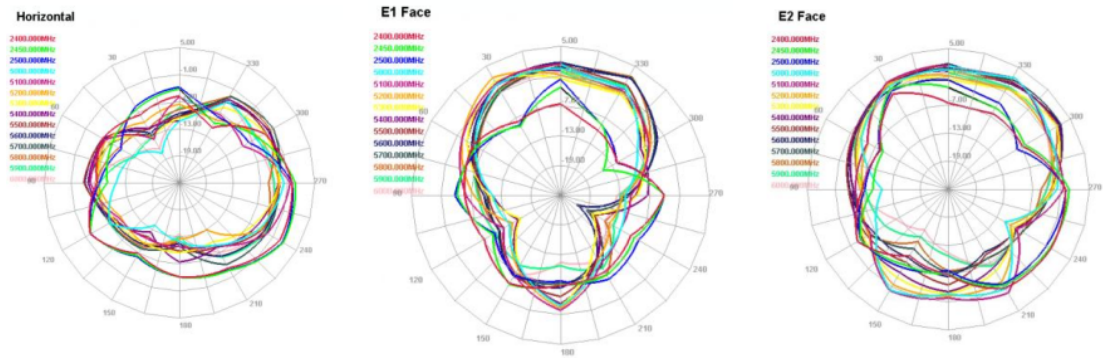
Overview WIFI

Frequency (MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	-0.66	-6.51	14.067
2410	-3.50	-4.36	12.655
2420	-4.67	-4.16	13.718
2430	-3.83	-3.56	12.788
2440	-4.18	-4.86	11.182
2450	-2.31	-4.74	12.012
2460	-2.62	-5.01	13.199
2470	0.00	-6.68	11.703
2480	-4.61	-6.80	15.996
2490	-3.12	-5.56	13.025
2500	-3.41	-5.88	10.707

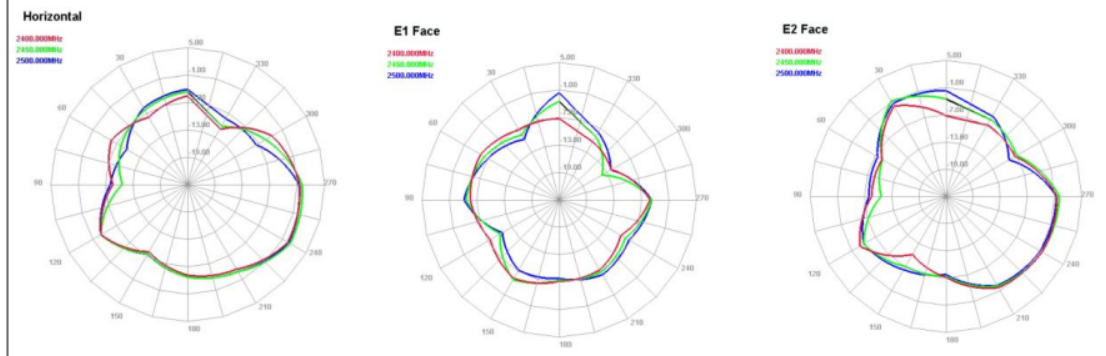
BT

Frequency (MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	-0.65	-8.62	21.050
2450	0.00	-6.68	11.703
2500	-1.85	-10.62	25.624

WiFi天线辐射方向图。



BT天线辐射方向图。



3. SWR

