

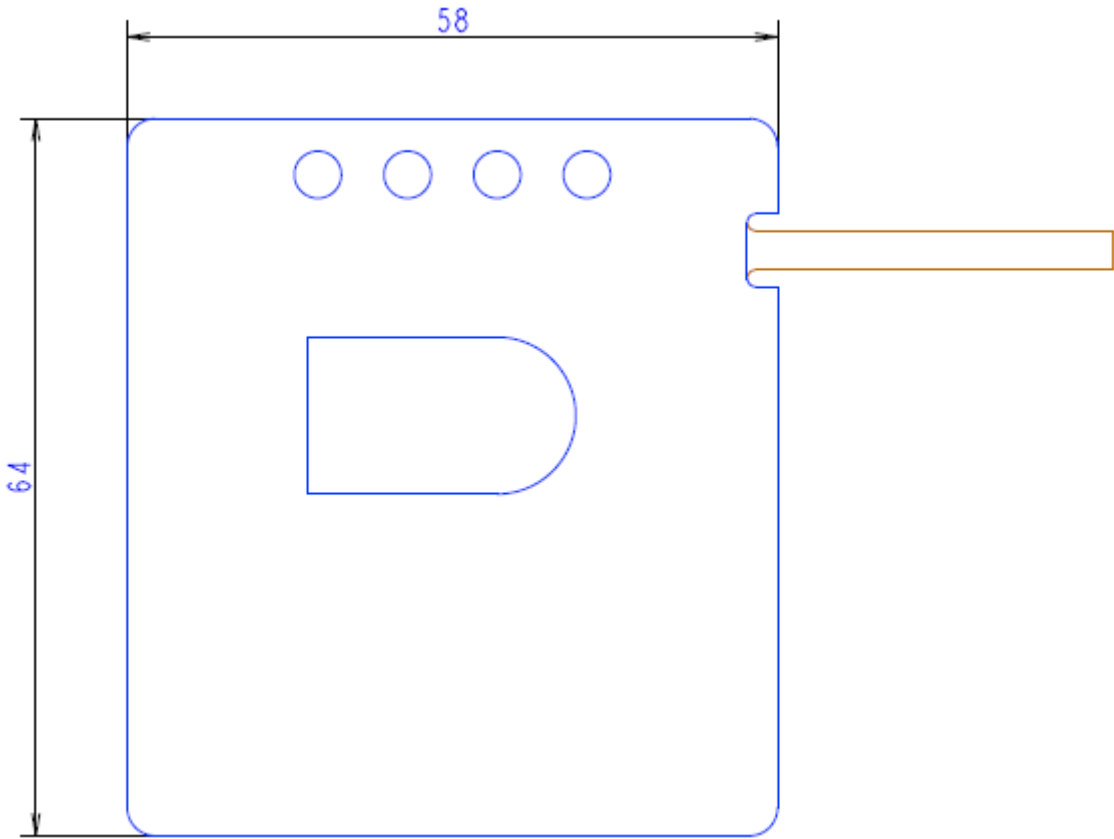
BlueLite v4A Antenna report

1. RFID Antenna

1.1 Specification

Specifications	
Operating frequency (MHz)	13.56
Antenna type	Flex FPC
Antenna gain	0 dBi

1.2 Dimensions – 64 mm x 58 mm



1.3 Manufacturer – Icape Holding S.A
33 Avenue du Général Leclerc, Immeuble Volta, 92260 Fontenay-aux-Roses, France

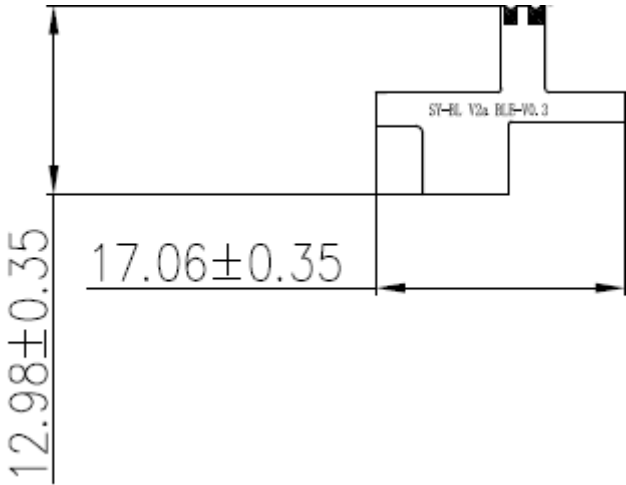
We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

2. BT Antenna

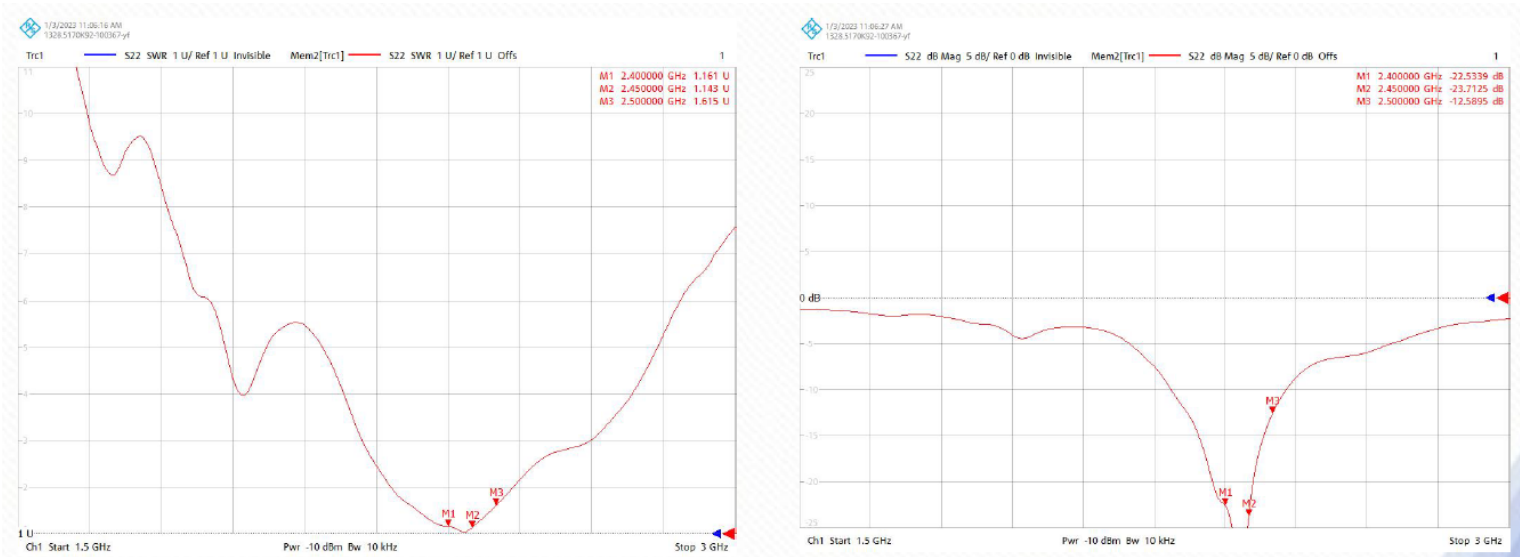
2.1 Specification

Specifications	
Bluetooth Standard	BLE 5.1
Transmitting frequency	2402.0MHz-2480.0MHz
Receiver frequency	2402.0MHz-2480.0MHz
Power Class	Class 2
Power supply	3.3V +5% -5%
Bluetooth chip	Goodix GR5513BEND
Antenna type	Omni-directional
Antenna Polarization	Linear
Antenna gain	0.73 dBi
Bluetooth module FCC ID:	YRW-BT50
Modulations	GFSK

2.2 Dimensions

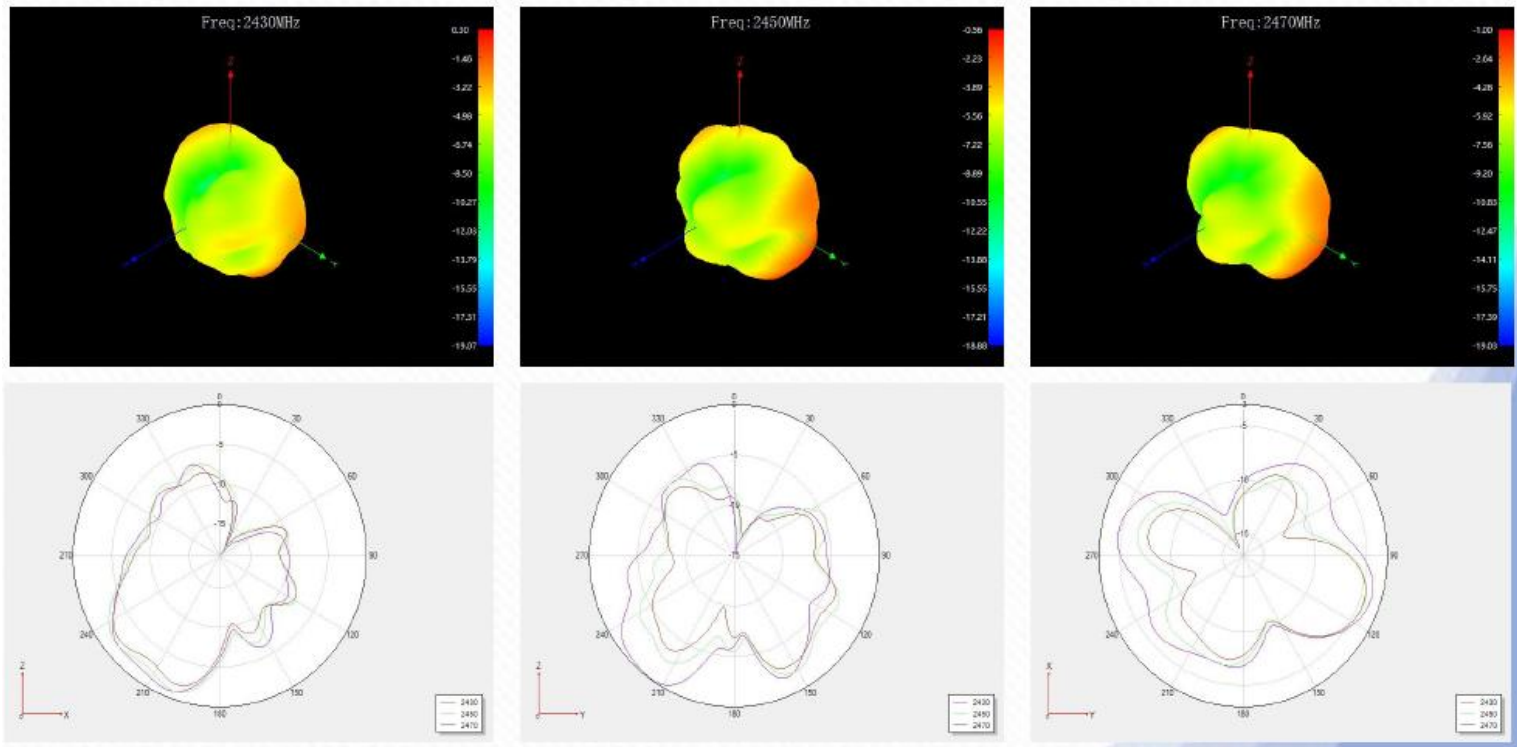


2.3 Passive parameters



2.4 Antenna gain and radiation Pattern of 3D

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	24.88	0.73
2410	25.96	0
2420	27.49	0.07
2430	25.44	0.3
2440	25.96	-0.27
2450	25.08	-0.56
2460	23.7	-0.34
2470	22.32	-1
2480	21.92	-1.08
2490	21.24	-1.13
2500	22.19	-1.27



2.5 Manufacturer - Sunnyway Technology (China) Co., LTD.

Shanghai HQ :1F,Building 4,No.99,Lane 215,GaoGuang Road, QingPu District,Shanghai,China

Shenzhen R&D Center: Floor 6, Building 5, Nam Tai Inno Park, Guangming District, Shenzhen

ChongQing R&D Center: 1F, ARM Ecological Industrial Park, ChongQing, 401120, PRC

Huizhou Factory: 4F-5F, No.1 Zhongxincun Road, Shuikou Town, Huizhou,China