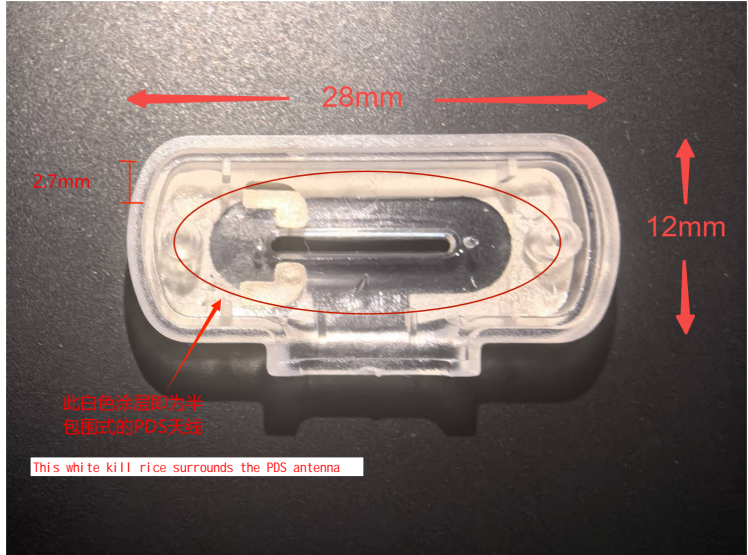


antenna specification

Description	
Project Name	F3331B
Operation Band	Bluetooth
Frequency	2400MHz-2500MHz
Gain	3.28dBi
Antenna Type	PDS Antenna
Testing Equipment	
VNA	
Chamber	
Time	2024-7-29

1 Antenna patern



2 Passive data

2.1 S11

Fre(MHz)	2400	2450	2500
Result(dB)	-13	-15	-10

2.2 Efficiency & Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	42.7	-3.7	3.02
2410	39.47	-4.04	2.56
2420	39.13	-4.08	2.46
2430	40.35	-3.94	2.57
2440	41.07	-3.86	2.68
2450	46.06	-3.37	3.28
2460	42.23	-3.74	3.01
2470	37.43	-4.27	2.53
2480	41.96	-3.77	3.05
2490	43.18	-3.65	3.11
2500	42.45	-3.72	2.9

2.3 Radiation Pattern

3D pattern-2450MHZ

