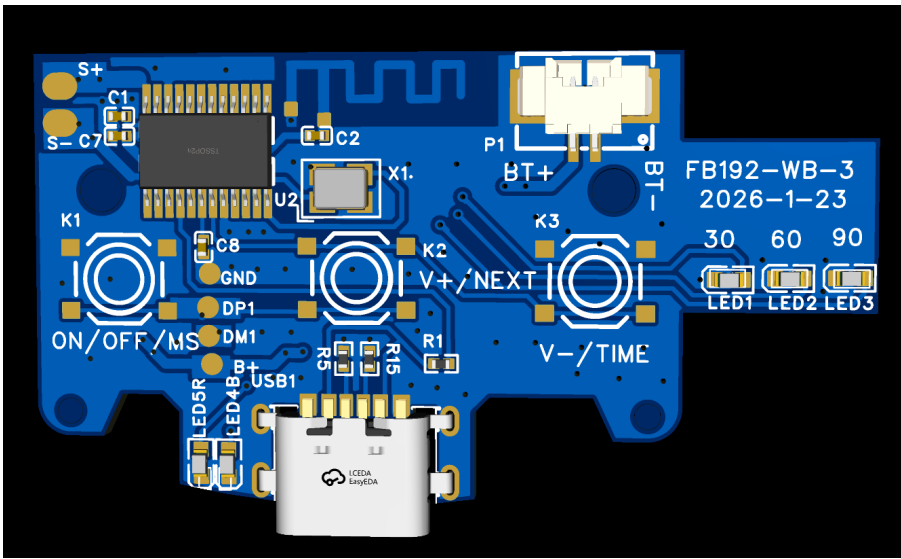


Dongguan FRGO Intelligent Technology Co., Ltd.

FB-192 Onboard Antenna Specification

1、Overview

This PCB antenna is an onboard antenna designed according to the dimensions of the FB-192.



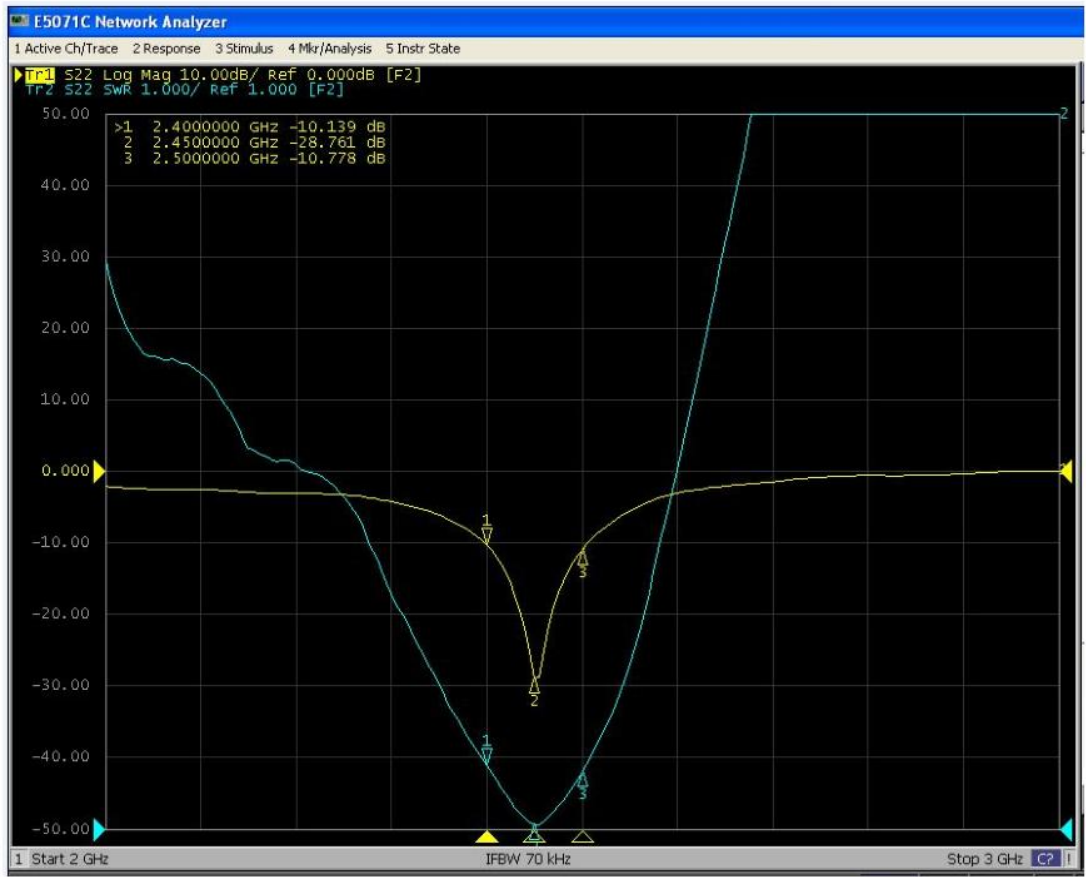
Picture 1: FB-192 Onboard Antenna Location and Rendering

1、Basic Parameters:

Parameters	Indicator	Remarks
Frequency Range (MHz)	2400-2500	
Gain(dBi)	2.5	
Standing wave ratio (V.S.W.R.)	<1.5	
极化 Polarization	Vertical	
Non-Circularity(dB)	±0.5	
Impedance(Ω)	50	
Lightning Protection	Direct Ground	
Maximum Input Power(W)	50	
Operating Temperature(℃)	-40~+70	
Reposition Temperature(℃)	-55~+80	

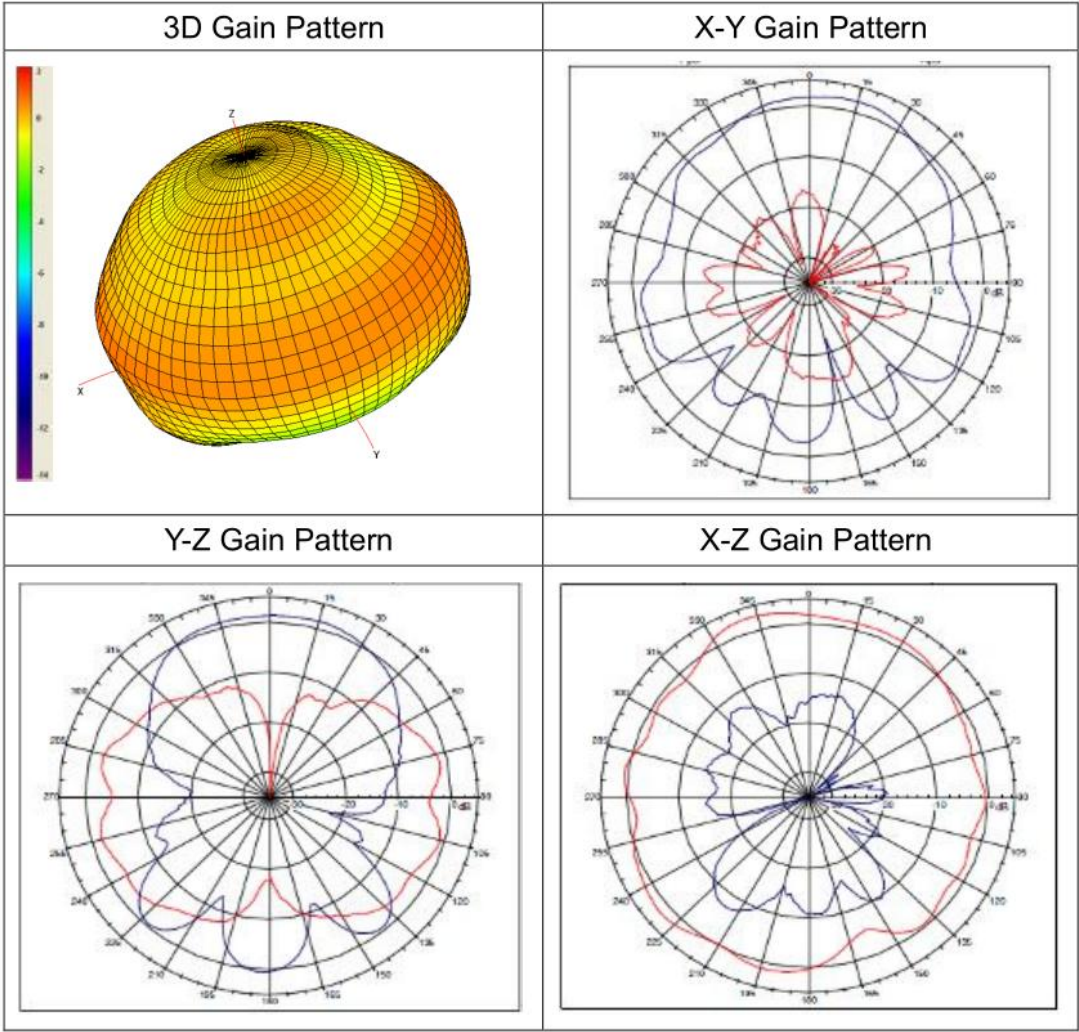
Table 1: Basic Parameters

三、Return Loss (S11/VSWR)



	2.4GHz	2.45GHz	2.5GHz
S11 (dB)	-10.1	-28	-10.7
VSWR	1.9	1.1	1.9

四、Radiation pattern (2.45GHz)



	X-Y plane	X-Y plane	X-Y plane
Avg gain(dBi)	-3.5	-0.36	-1.76
Peak gain(dBi)	2.08	2.51	1.46