

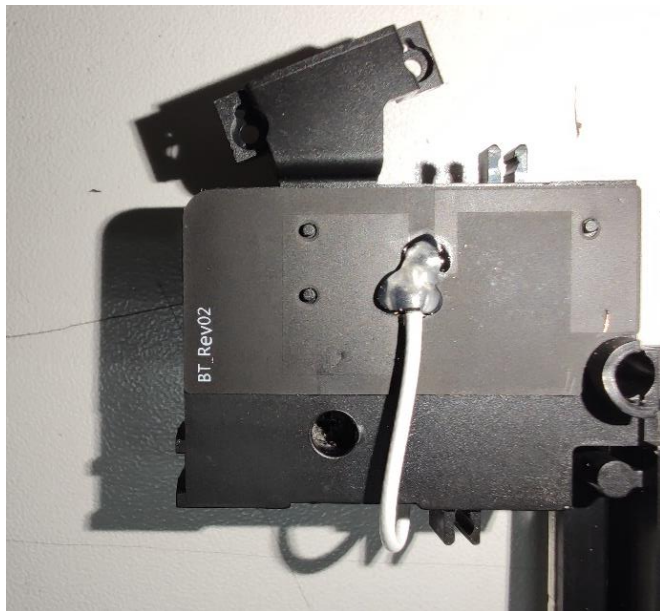
Falcon CV2.5 ET/ Pro Antenna

Antenna Type	FPC
Antenna Connector	Cable
OTA Chamber	Goertek co.,ltd QM Weifang OTA Chamber
Antenna Gain	See Table 1
Antenna Dimension	See Figure 1
Antenna Location	See Figure 2

Antenna	Freq(MHz)	Effi (dB)	Effi (%)	Peak Gain (dBi)
BLE	2400	-2.43	57.12	1.99
	2440	-2.63	54.52	2.86
	2480	-2.51	56.07	3.79
WIFI1 2.4G	2400	-2.27	59.28	5.12
	2440	-2.81	52.33	3.74
	2480	-2.98	50.34	2.29
WIFI1 5G	5150	-1.83	65.55	3.67
	5500	-2.17	60.67	4.22
	5850	-2.18	60.60	5.94
WIFI2 2.4G	2400	-2.38	57.75	2.78
	2440	-2.58	55.14	2.85
	2480	-2.36	58.05	3.80
WIFI2 5G	5150	-2.10	61.69	3.43
	5500	-2.12	61.39	3.89
	5850	-1.72	67.24	3.69

WIFI 2.4g Gain is also suitable for BT/BLE

Table 1: Antenna Gain and Efficiency



BLE Antenna

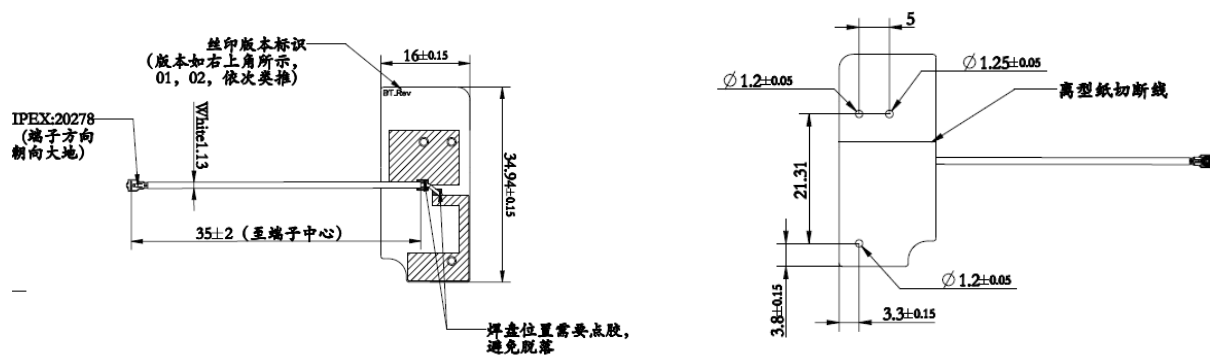


WIFI1 Antenna

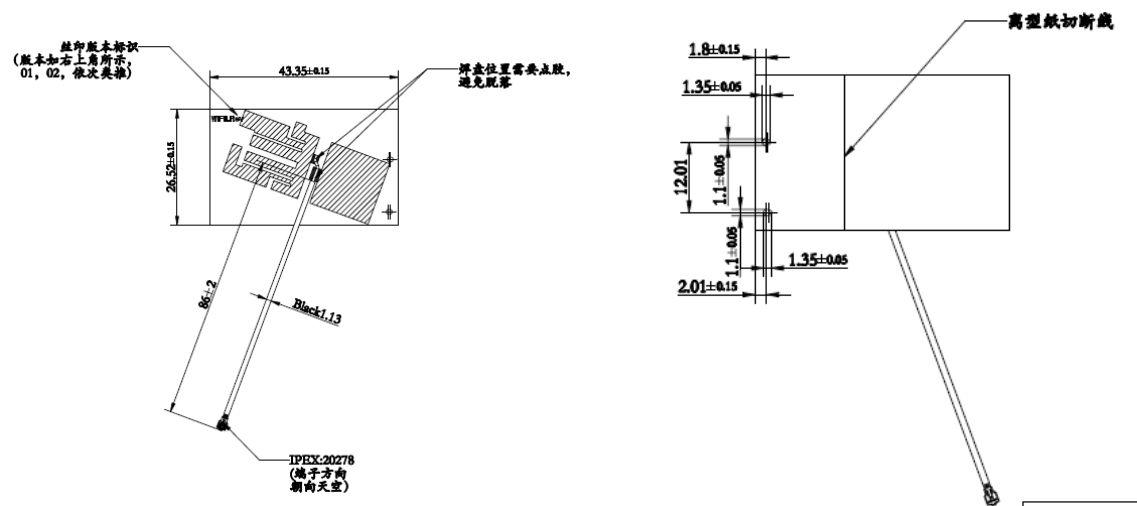


WIFI2 Antenna

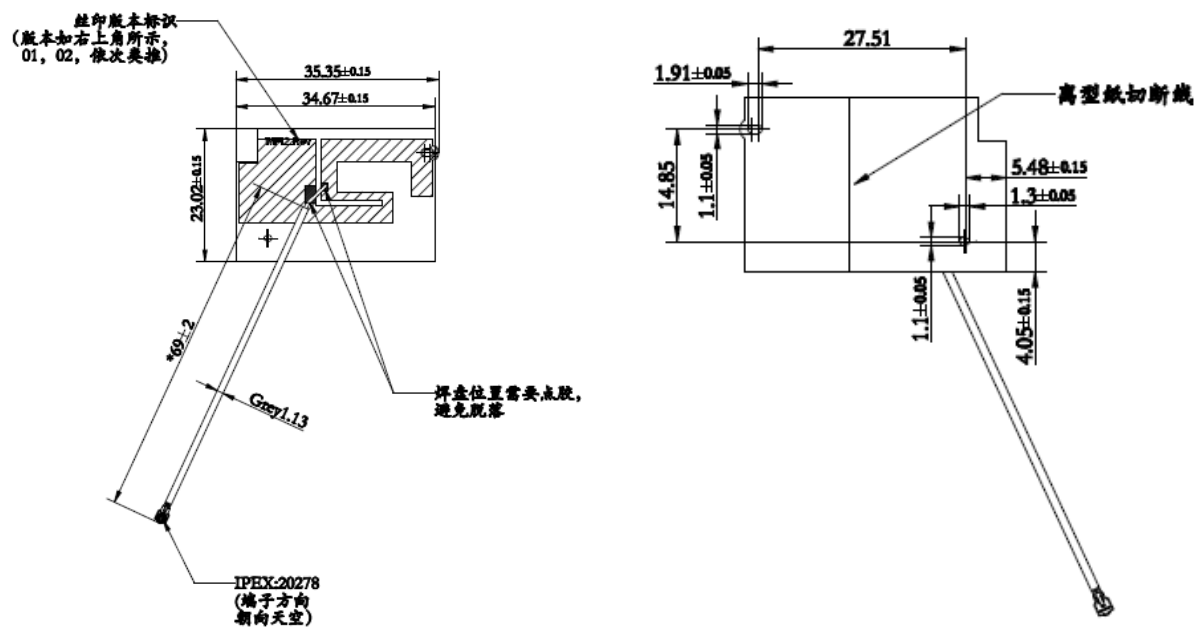
Figure 1: Photography of antenna



BLE Antenna



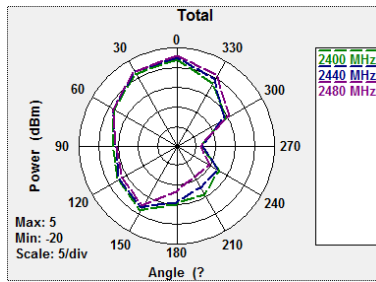
WIFI1 Antenna



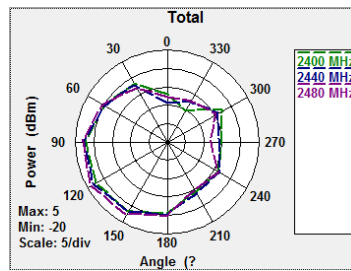
WIFI2 Antenna

Figure 2: Dimensions of antenna in mm

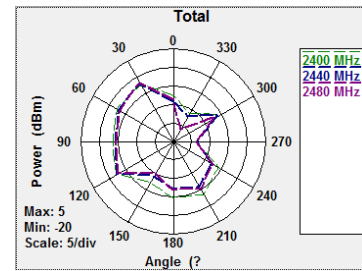
1.BLE Antenna



X-Y Plane

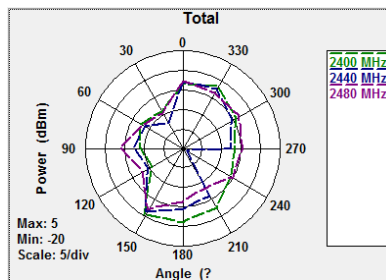


X-Z Plane

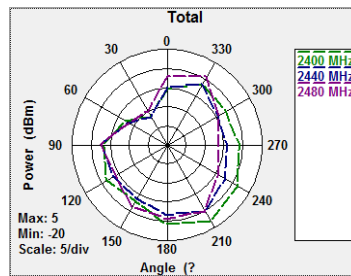


Y-Z Plane

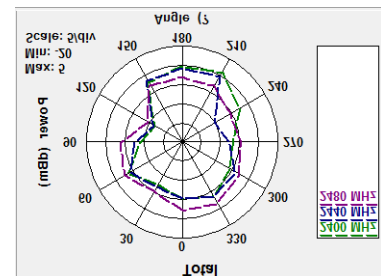
2.WIFI1 Antenna (2.4G)



X-Y Plane

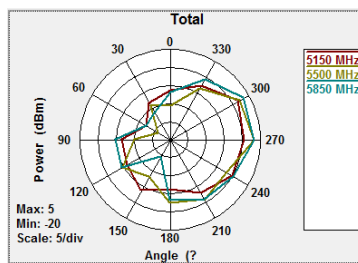


X-Z Plane

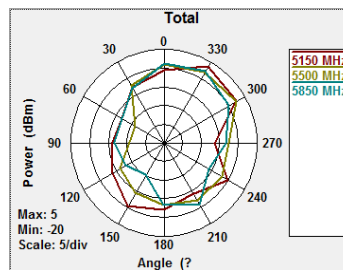


Y-Z Plane

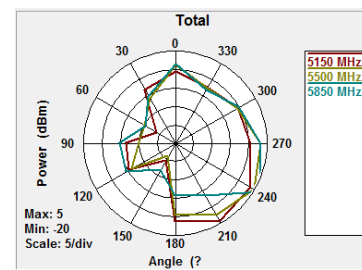
WIFI1 Antenna (5G)



X-Y Plane

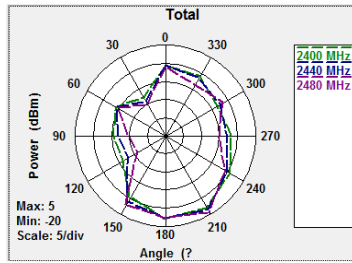


X-Z Plane

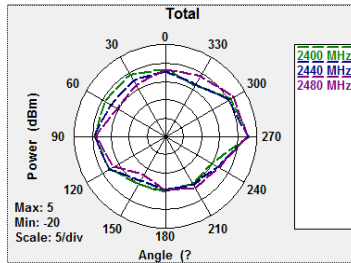


Y-Z Plane

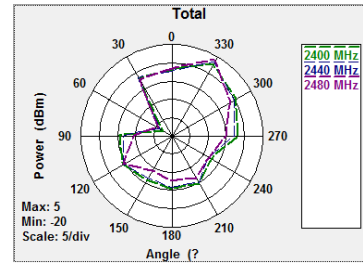
3.WIFI2 2.4G



X-Y Plane

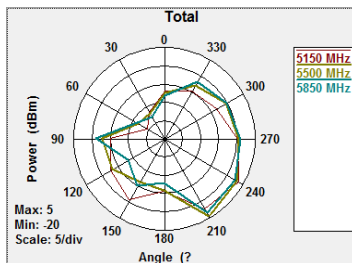


X-Z Plane

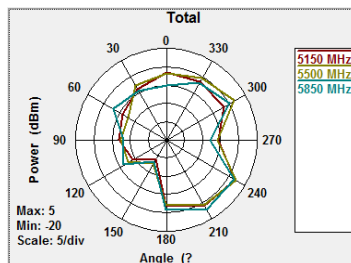


Y-Z Plane

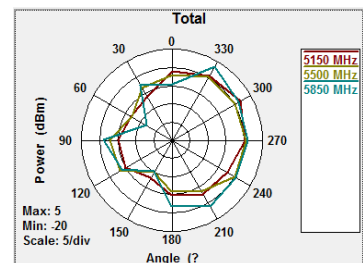
WIFI2 5G



X-Y Plane



X-Z Plane



Y-Z Plan

Figure 3: Radiation Patterns