

天线规格书

Antenna Specification

产品名称 Product Name: Wifi 双频天线/Wifi Antenna

产品型号 Model: 19XA43FWFT

文件版本 File Version: 0/A

编制日期 Date: 2020/08/19

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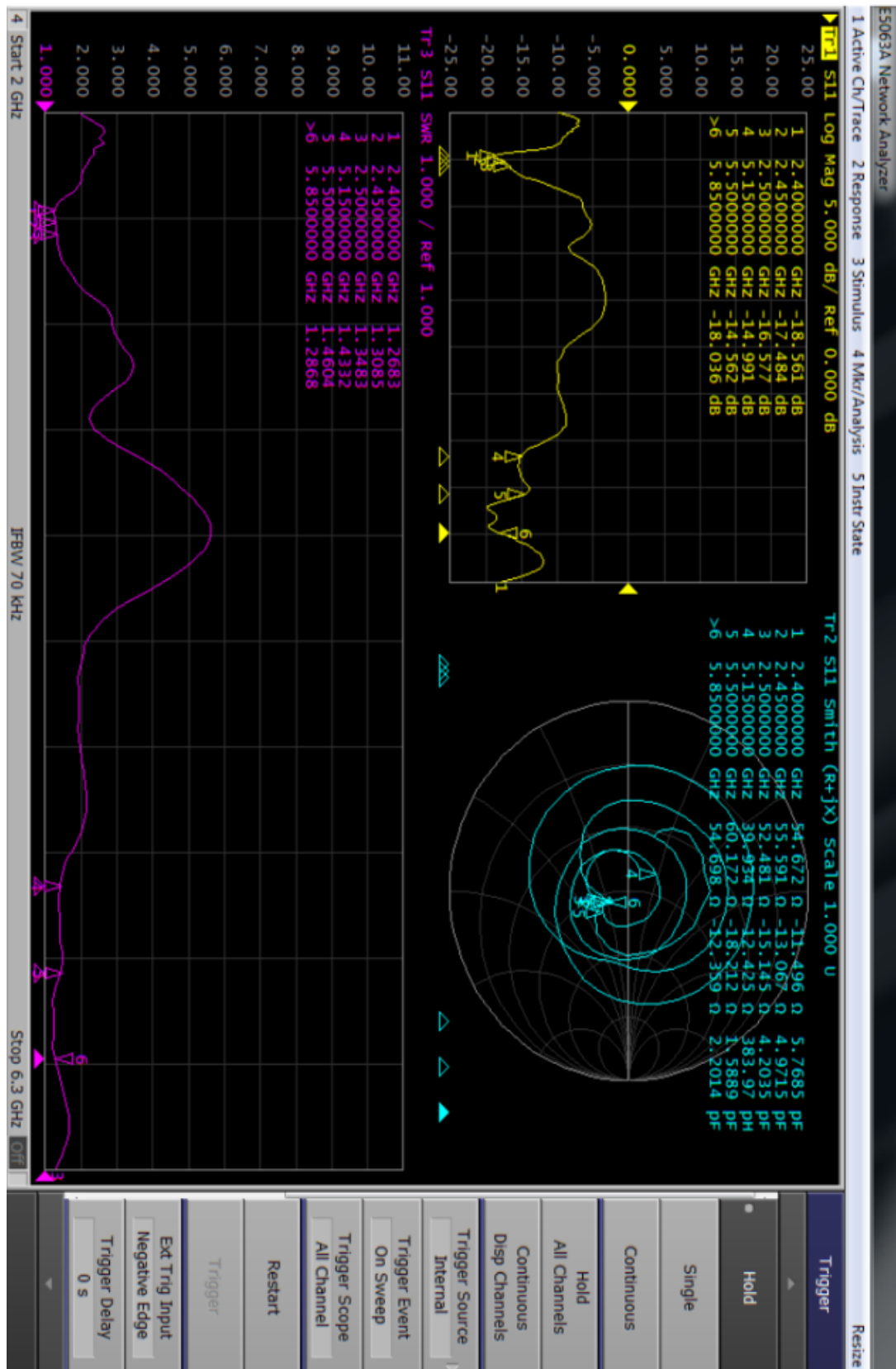
1.天线特性 Features	错误!未定义书签。
2.天线 S 参数 S Paramenters	错误!未定义书签。
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1. 天线特性 Features

Table1:

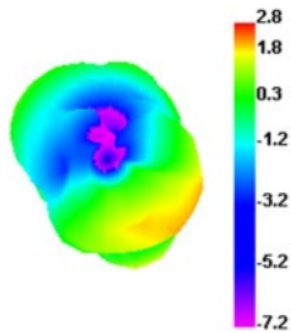
Frequency	2400-2500MHz	5150-5850MHz
VSWR	≤ 2.0	≤ 2.0
Return Loss	$\leq -10\text{db}$	$\leq -10\text{db}$
Impedance	50 Ohm	50 Ohm
Efficiency(%)	50	54
Peak Gain(dBi)	2.7	3.4
Polarization	Linear	
Cable Type	1.13	
Connector Type	IPEX1	
Operation Temperature	$-10^{\circ}\text{C} \text{ ---- } +50^{\circ}\text{C}$	
Storage Temperature	$-30^{\circ}\text{C} \text{ ---- } +85^{\circ}\text{C}$	

2. 天线 S 参数 S Parameters

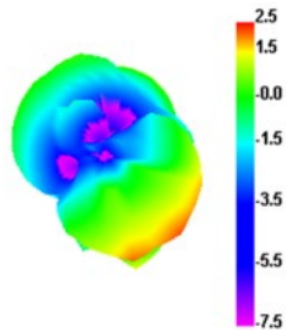


3.天线方向图 Radiation Patterns

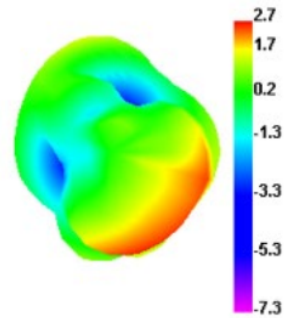
2400.000MHz



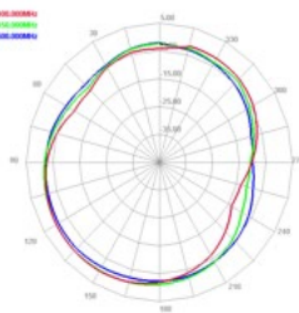
2450.000MHz



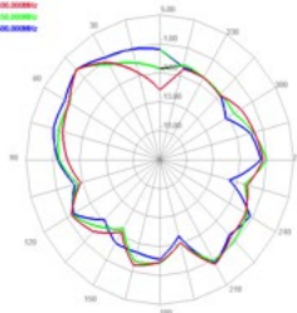
2500.000MHz



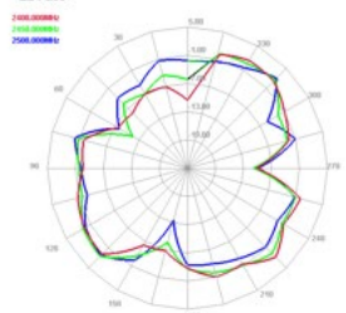
Horizontal



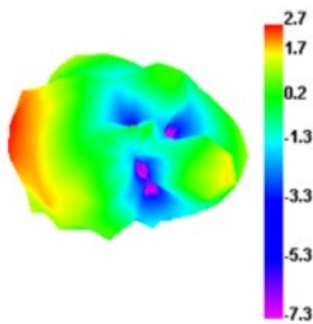
E1 Face



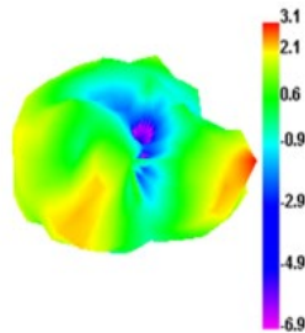
E2 Face



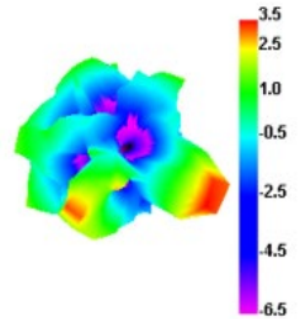
5150.000MHz



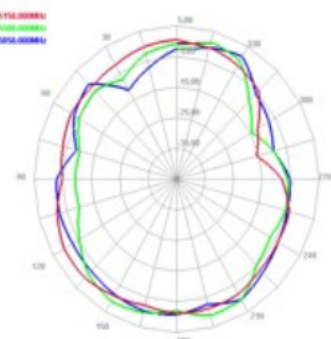
5500.000MHz



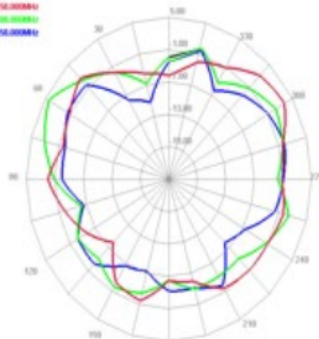
5850.000MHz



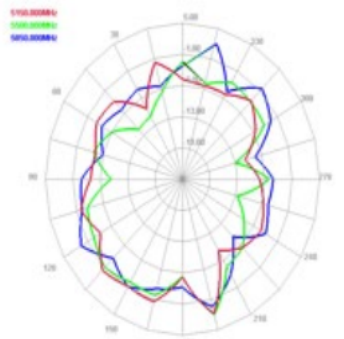
Horizontal



E1 Face



E2 Face



2.4G			5.8G		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	50.3	2.76	5150	60.24	2.71
2410	50.89	2.5	5200	62.82	3.43
2420	50.81	2.41	5250	61.56	3.07
2430	49.37	2.2	5300	56.91	3.59
2440	49.46	2.21	5350	50.73	2.68
2450	52.41	2.53	5400	50.32	2.79
2460	49.29	2.34	5450	50.33	3.06
2470	53.22	2.33	5500	47.33	3.1
2480	53.19	2.24	5550	50.88	3.67
2490	48.84	2.15	5600	50.2	2.98
2500	48.83	2.67	5650	54.57	3.39
			5700	53.71	3.37
			5750	54.78	3.1
			5800	54.46	3.27
			5850	55.02	3.48

4.产品结构图 Product Drawing

