



Shenzhen NEW LINKE Technology Co., Ltd

Antenna specification

Model number: IMA02

Date: May 16, 2023

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01.Project overview and photos of objects--Project overview



Radio frequency engineer	kong	mailbox	2532625702@qq.com
		TEL	18477016343
Antenna overview			
Prototype status	Complete machine	Project name	IMA02
Antenna type	PIFA	Structural form	LDS
Three-in-one antenna	GPS :1575.42MHZ, 2.4G WIFI /BT: 2.4-2.5G, 5G WIFI: 5.18-5.8G		

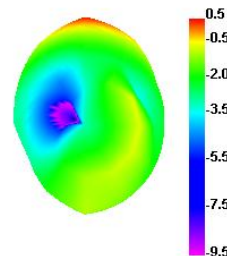
Three in one passive data



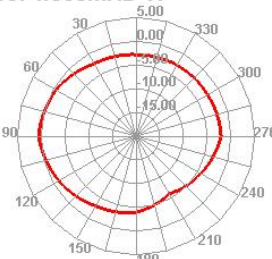
GPS passive data

Passive Test For GPS		
Freq (MHz)	Effi (%)	Gain (dBi)
1564	47.09	0.56
1566	46.54	0.56
1568	45.55	0.51
1570	44.32	0.43
1572	44.4	0.47
1574	44.57	0.52
1576	45.14	0.59
1578	46.09	0.71
1580	47.16	0.82
1582	47.44	0.86
1584	47.73	0.92
1586	47.76	0.92
1588	47.55	0.91
1590	47.31	0.89
1592	46.65	0.82
1594	45.94	0.73
1596	45.27	0.63
1598	44.66	0.56
1600	44.14	0.47
1602	44.17	0.43
1604	44.29	0.41
1606	44.51	0.38

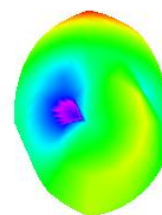
1574.000MHz



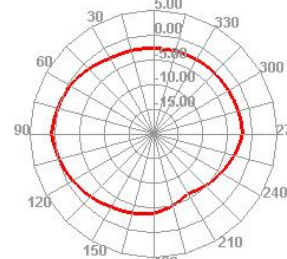
1574.000MHz H



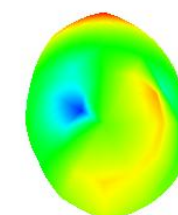
1576.000MHz



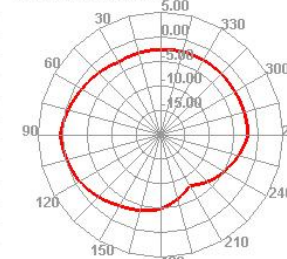
1576.000MHz H



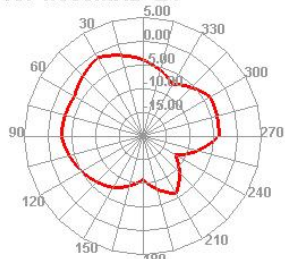
1602.000MHz



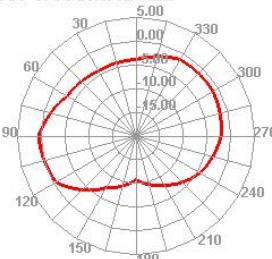
1602.000MHz H



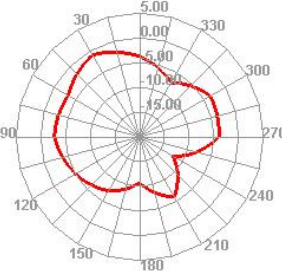
1574.000MHz E1



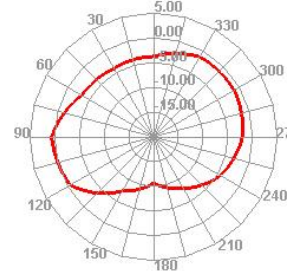
1574.000MHz E2



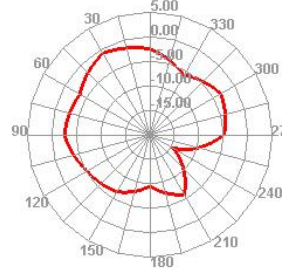
1576.000MHz E1



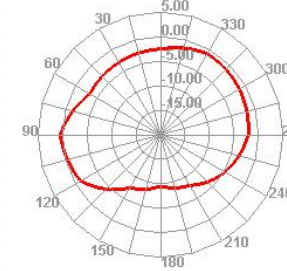
1576.000MHz E2



1602.000MHz E1



1602.000MHz E2

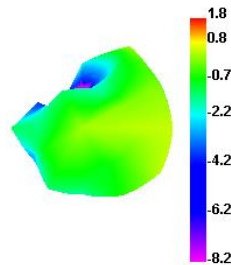


2.4GWIFI/BT passive data

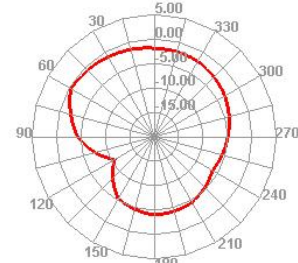


Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	42.39	1.83
2410	42.51	1.79
2420	43.45	1.56
2430	44.37	1.4
2440	45.88	1.53
2450	47.29	2.01
2460	46.97	2.12
2470	46.81	2.27
2480	46.85	2.52
2490	46.44	2.54
2500	46.68	2.92

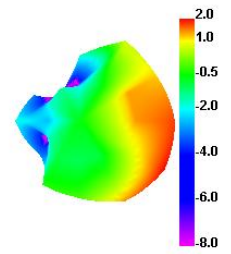
2400.000MHz



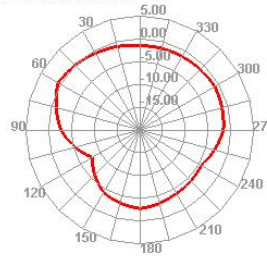
2400.000MHz H



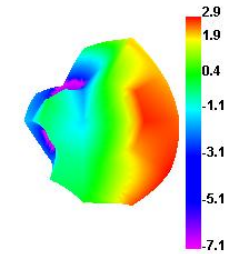
2450.000MHz



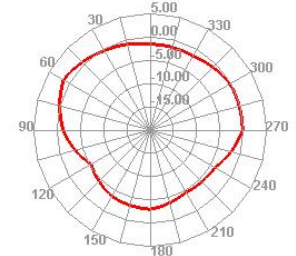
2450.000MHz H



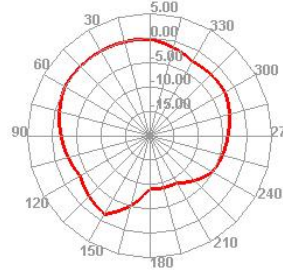
2500.000MHz



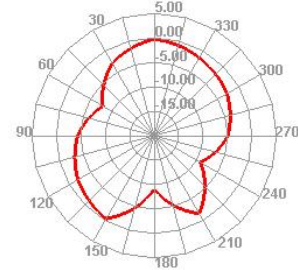
2500.000MHz H



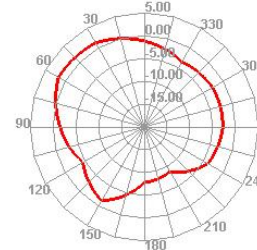
2400.000MHz E1



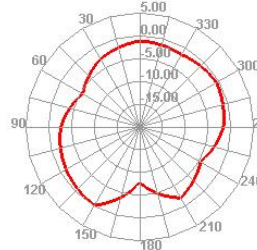
2400.000MHz E2



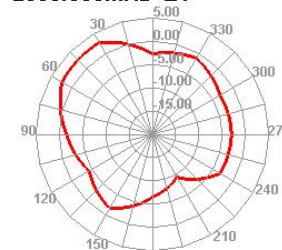
2450.000MHz E1



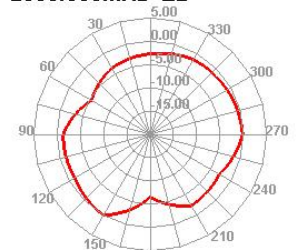
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2

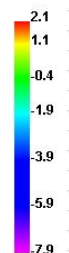
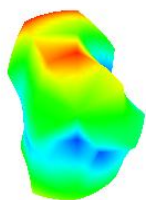


5.8GWIFI passive data

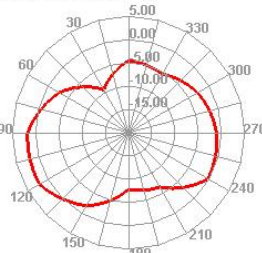


Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	43.23	2.14
5200	39.74	1.12
5250	34.31	0.51
5300	30.53	-0.19
5350	32.8	-0.33
5400	32.13	-0.9
5450	35.53	-0.19
5500	32.63	-0.19
5550	27.47	-0.95
5600	28.88	-0.57
5650	30.41	-0.31
5700	37.66	0.53
5750	28.64	-0.94
5800	30.33	-0.84
5850	30.45	-0.82

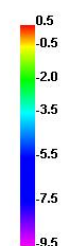
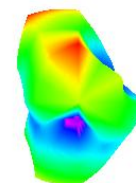
5150.000MHz



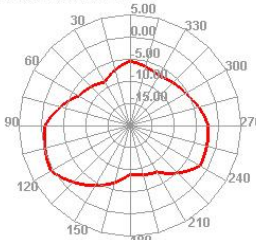
5150.000MHz H



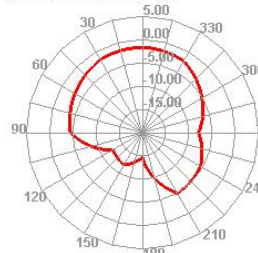
5250.000MHz



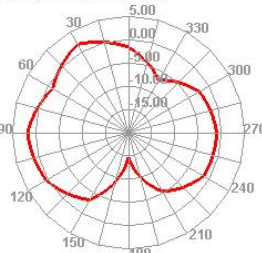
5250.000MHz H



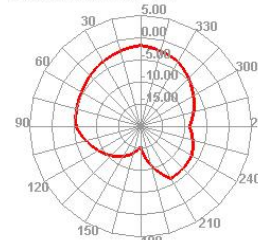
5150.000MHz E1



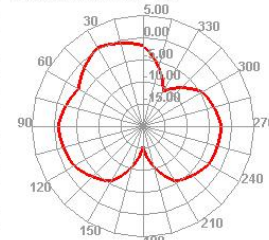
5150.000MHz E2



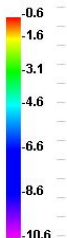
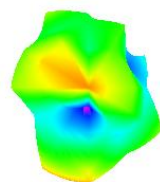
5250.000MHz E1



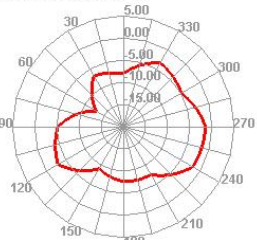
5250.000MHz E2



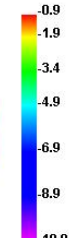
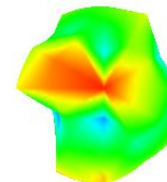
5600.000MHz



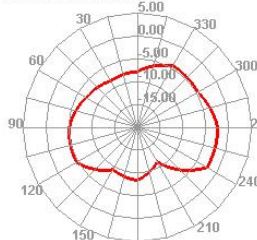
5600.000MHz H



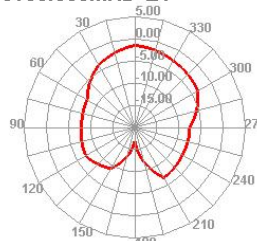
5750.000MHz



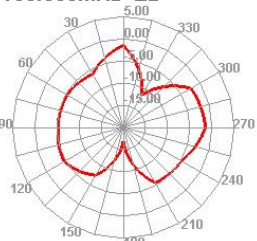
5750.000MHz H



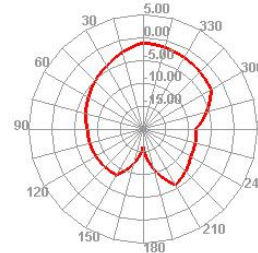
5600.000MHz E1



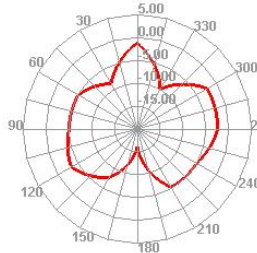
5600.000MHz E2



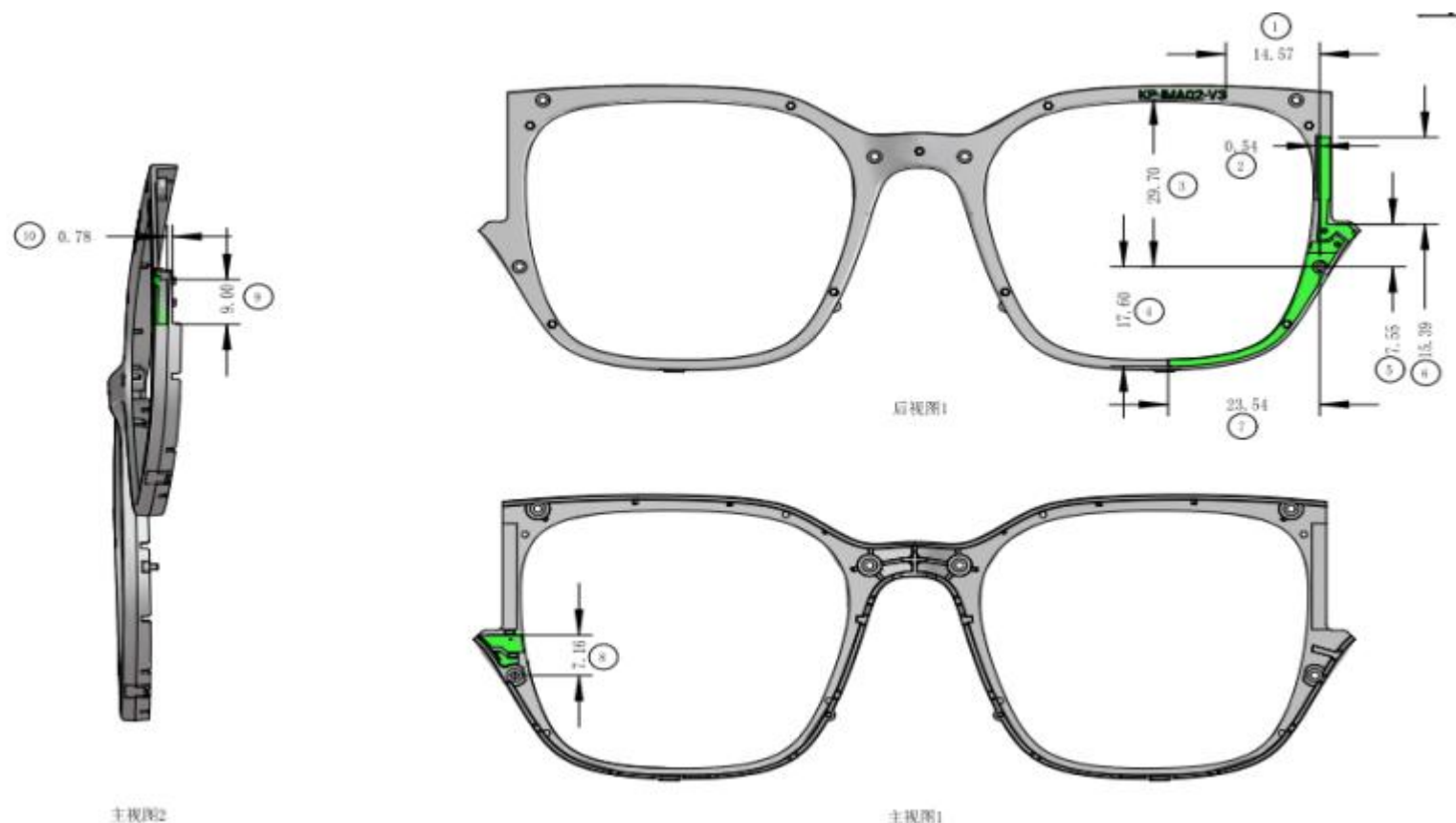
5750.000MHz E1



5750.000MHz E2



6. Antenna size



Thank you!
Look forward to further cooperation!

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