

APPROVAL SHEET

CUSTOMER	
DESCRIPTION	2.4G/5.8G wifi Antenna
PRODUCT CODE	2.4G/5.8G wifi Antenna
PICTURE	
DATE	2022-6-1

APPROVED SIGNATURES

APPROVER	ENGINEERING	QC

CUSTOMER APPROVAL: ☐ Check OK ☐ Unqualified



ASIR TECHNOLOGY CO., LIMITED

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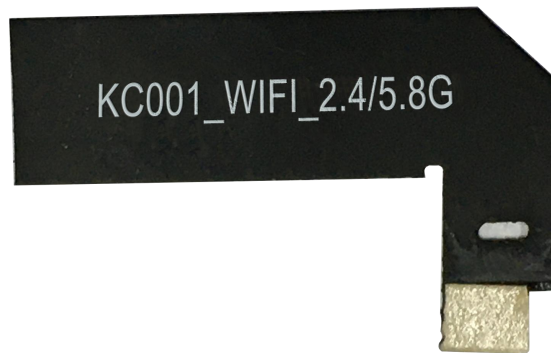
Web: www.asir-gps.com

ADD: 2nd Floor, BLDG 1, Guanghui Technology Park,
MinQing Rd #13, Longhua New District, Shenzhen, China

Project Name	KC001	Frequency	2.4GHz&5.8GHz
Part number	KC001_WIFI2.4/5.8G	VERSION	R:A
Material code		Date	2022-06-01

1. Product picture and antenna photo

Product picture



Antenna photo

2. Antenna standing wave diagram

1、2.4~2.5GHz 5180~5825GHz Standing Wave Ratio and Return Loss Table

Frequency 频率点 (MHZ)	2400	2500	5180	5825
Return Loss Table 回波损耗	-5.99	-8.51	-9.67	-18.92
Standing wave ratio 驻波比	3.01	2.21	2.39	1.25

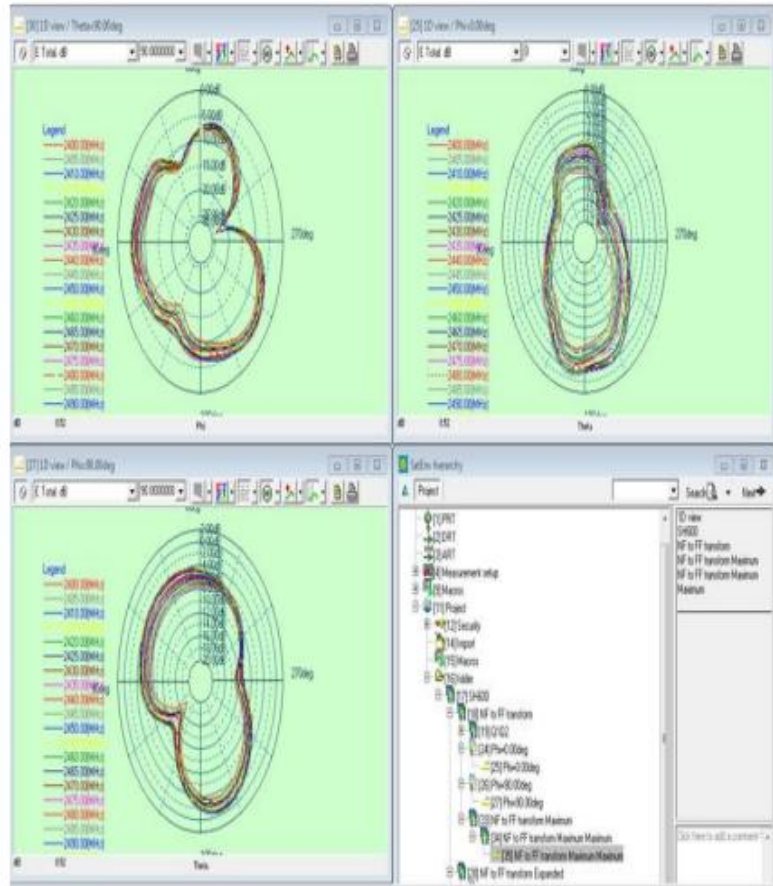
2、2.4~2.5GHz 5180~5825GHz Standing wave ratio and return loss diagram



3. Passive parameters

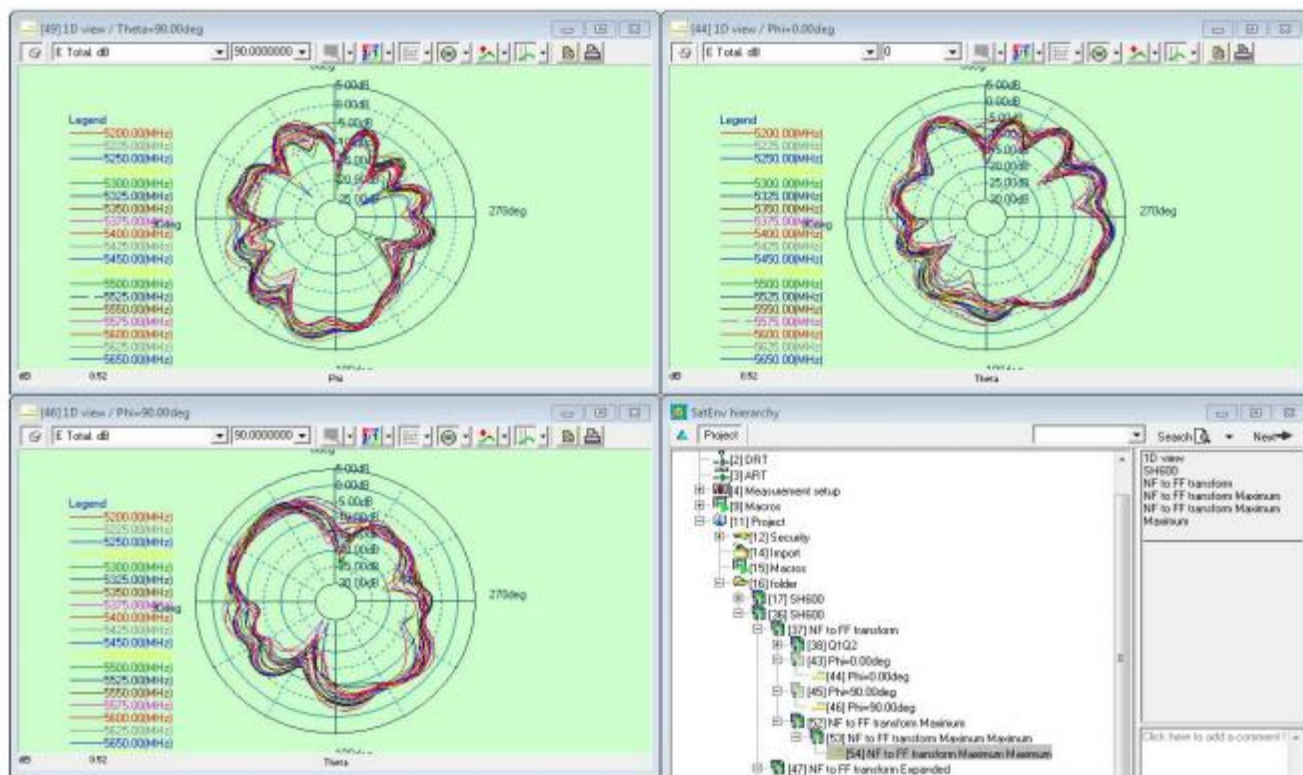
Passive test report 2.4G

Frequency	Efficiency	Frequency	Gain, dBi
2400MHz	24%	2400MHz	-2.36
2405MHz	25%	2405MHz	-2.10
2410MHz	26%	2410MHz	-1.89
2415MHz	26%	2415MHz	-1.87
2420MHz	27%	2420MHz	-1.50
2425MHz	28%	2425MHz	-1.33
2430MHz	29%	2430MHz	-1.06
2435MHz	30%	2435MHz	-0.91
2440MHz	30%	2440MHz	-0.85
2445MHz	30%	2445MHz	-0.79
2450MHz	32%	2450MHz	-0.44
2455MHz	32%	2455MHz	-0.50
2460MHz	34%	2460MHz	0.95
2465MHz	34%	2465MHz	0.92
2470MHz	34%	2470MHz	0.89
2475MHz	35%	2475MHz	0.62
2480MHz	36%	2480MHz	0.69
2485MHz	37%	2485MHz	0.35
2490MHz	36%	2490MHz	0.55
2495MHz	36%	2495MHz	0.69
2500MHz	35%	2500MHz	0.71



Passive test report 5G

Frequency	Efficiency	Frequency	Gain .dBi	Frequency	Efficiency	Frequency	Gain .dBi
5200MHz	32%	5200MHz	2.23	5625MHz	29%	5625MHz	2.16
5225MHz	37%	5225MHz	2.89	5650MHz	27%	5650MHz	1.77
5250MHz	32%	5250MHz	2.21	5675MHz	27%	5675MHz	1.45
5275MHz	34%	5275MHz	2.66	5700MHz	26%	5700MHz	1.02
5300MHz	32%	5300MHz	2.61	5725MHz	26%	5725MHz	1.00
5325MHz	34%	5325MHz	2.89	5750MHz	26%	5750MHz	1.50
5350MHz	33%	5350MHz	2.66	5775MHz	25%	5775MHz	1.22
5375MHz	32%	5375MHz	2.57	5800MHz	24%	5800MHz	0.96
5400MHz	33%	5400MHz	2.65				
5425MHz	34%	5425MHz	2.89				
5450MHz	33%	5450MHz	2.92				
5475MHz	31%	5475MHz	2.56				
5500MHz	31%	5500MHz	2.57				
5525MHz	30%	5525MHz	2.17				
5550MHz	31%	5550MHz	2.24				
5575MHz	28%	5575MHz	1.95				
5600MHz	28%	5600MHz	1.88				



4. Antenna size diagram

