

Shenzhen Jinhong Wireless Technology Co., Ltd.

Room 301, B1 Building, Weiye Innovation Yiba Industrial Zone, Baoyuan Road,
Nanchang Community, xixiang street, Baoan District, Shenzhen.China

Customers: Shenzhen A Long Electronic Technology Co., Ltd

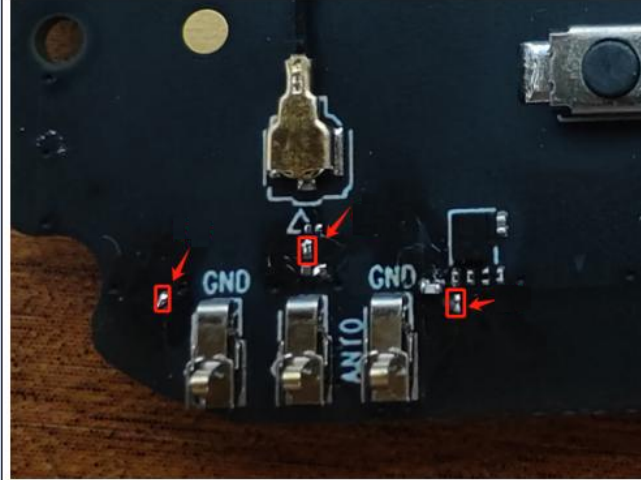
Project name: MR5G

RF engineer: JiangYa

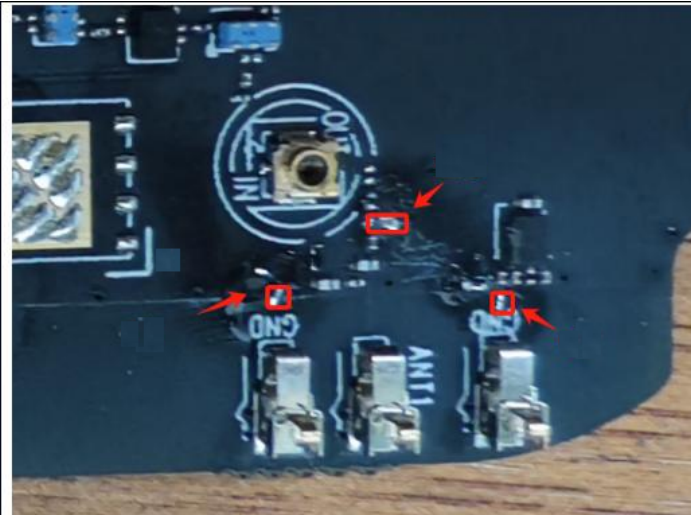
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MR5G project match

ANT0-4G/5G



ANT1-4G/5G



● A Brief Introduction to debugging the project

Plate type	The whole machine						
Antenna Overview	The main antenna	Frequency band		Antenna status	Antenna form	Design area	Match the changes
		2G	G2/3/5/8/W1/2/4/5/8	LDS	PIFA	The bottom of the Phone/ Top of the phone	YES
		3G					
		4G	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B48/B66/B71				
		5G	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n30/n38/n40/n41/n66/n71/n77/n78/n79				
	Other antennas	BT/WIFI	2. 4G/5. 8G	LDS	PIFA	Top of the phone	No
		GPS	N/A				No
		Diversity	N/A				

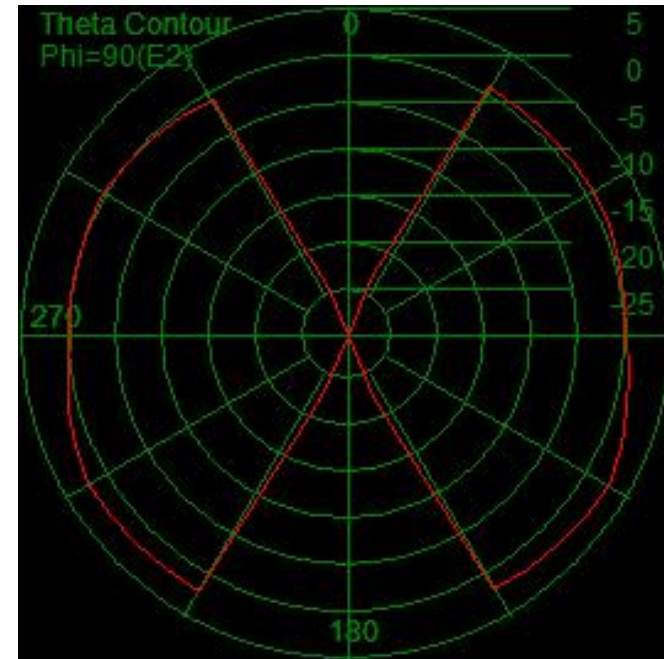
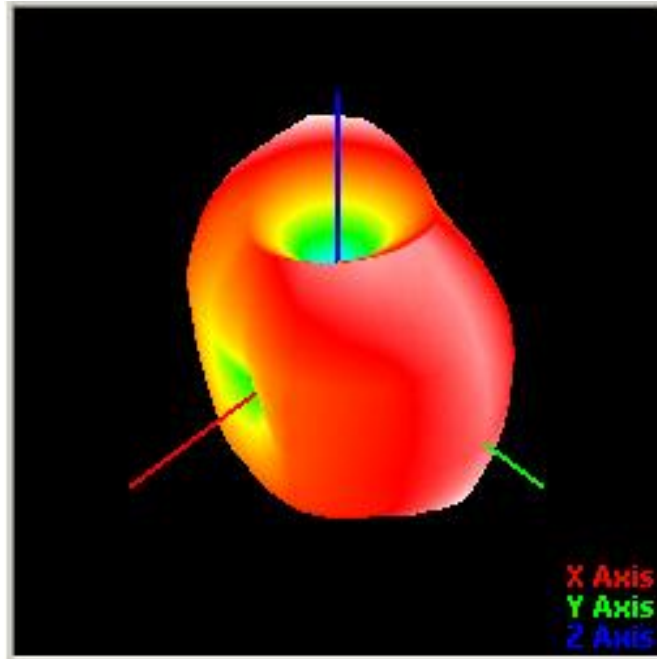
Antenna gain

Technical Specification							
Band		Mode	Name	Frequency	Antenna Type	Antenna Max Gain	
LTE	Band-1 2100	FDD	IMT	1920-2170	PIFA	-0.64	dBi
	Band-2 1900	FDD	PCS	1850-1990		0.22	
	Band-3 1800	FDD	DCS	1710-1880		0.23	
	Band-4 1700	FDD		1710-2155		0.18	
	Band-5 800	FDD	CLR	824-894		-1.44	
	Band-7 2600	FDD	IMT-E	2500-2690		2.04	
	Band-8 900	FDD	EGSM	880-960		-0.35	
	Band-12 700	FDD	EUDD	698-746		-3.45	
	Band-13 700	FDD	EUDD	777-756		-3.18	
	Band-14 700	FDD	EUDD	788-768		-3.08	
	Band-17 700	FDD	APT	704-746		-2.37	
	Band-18 800	FDD	APT	815-875		-2.37	
	Band-19 800	FDD		830-890		-2.21	
	Band-20 800	FDD		832-821		-2.21	
	Band-25 1800			1850-1995		0.22	
	Band-26 800	FDD		814-894		-1.44	
	Band-28 700	TDD	S-Band	703-803		-0.98	
	Band-29 700	TDD	S-Band	717-728		-2.26	
	Band-30 2300			2305-2360		0.35	
	Band-32			1525-1660.5		0.11	
	Band-34 2000			2010-2025		-0.64	
	Band-38 2570	TDD	S-Band	2570-2620		2.39	
	Band-39 1880	TDD	S-Band	1880-1920		0.24	
	Band-40 2300	TDD	BRS	2300-2400		0.37	
	Band-41 2500	FDD	Extended AWS	2496-2690		2.04	
	Band-42			3400-3600		1.18	
	Band-48			3550-3700		1.23	
	Band-66			1710-2200		0.23	
	Band-71			663-652		-4.41	
ANT 6	802.11b/g/n	2.4GHz	Wi-Fi2. 4	2401-2483.5	PIFA	-0.03	dBi
	802.11a/n/ac	5GHz	Wi-Fi 5.8	5150-5850	PIFA	0.38	dBi
ANT 7	802.11b/g/n	2.4GHz	Wi-Fi2. 4	2401-2483.5	PIFA	-0.29	dBi
	802.11a/n/ac	5GHz	Wi-Fi 5.8	5150-5850	PIFA	0.23	dBi

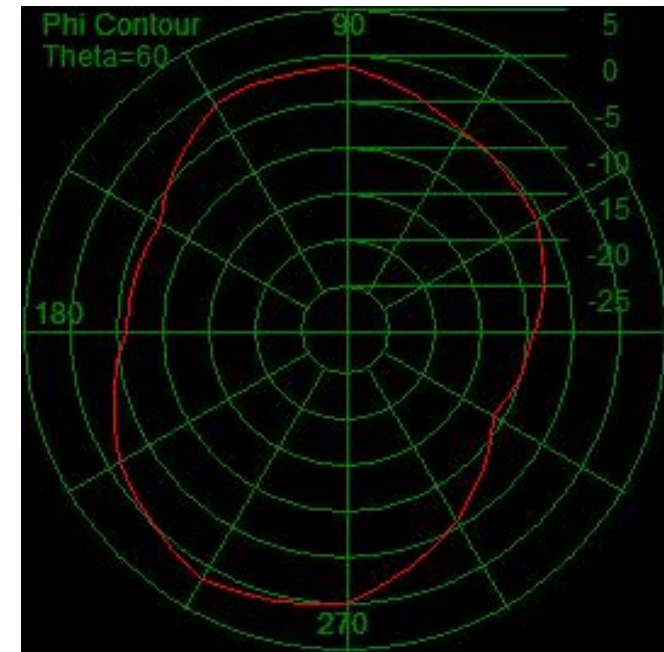
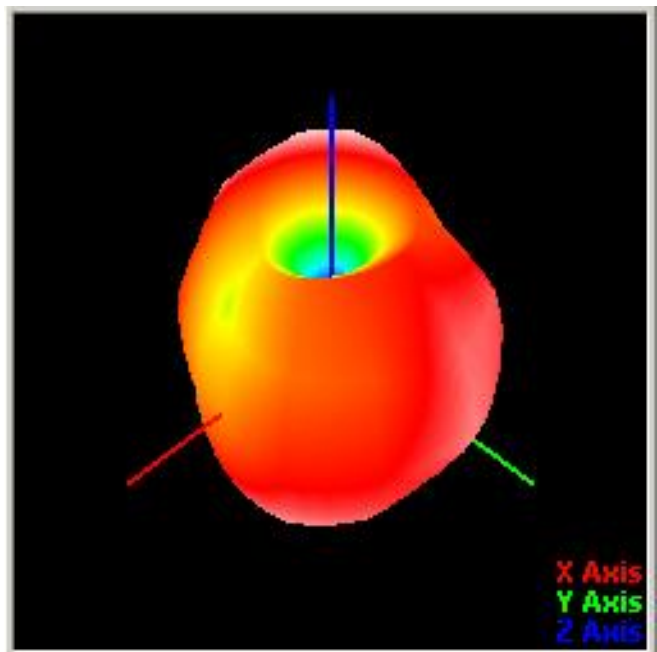
Technical Specification						
Band		Mode	Name	Frequency	Antenna Type	Antenna Max Gain
NR	N1	FD		1920-2170	PIFA	-0.64
	N2	FD		1850-1990		0.22
	N3	FD		1710-1880		0.23
	N5	FD		824-894		-1.44
	N7	FD		2500-2690		2.04
	N8	FD		880-960		-0.35
	N12	FD		699-746		-3.45
	N20	FD		832-821		-2.21
	N25	FD		1850-1995		0.22
	N28	FD		703-803		-0.98
	N30	FD		2305-2360		0.35
	N38	TD		2570-2620		2.85
	N40	TD		2300-2400		0.37
	N41	TD		2496-2690		2.04
	N66	FD		1710-2200		0.23
	N71	FD		663-652		-4.41
	N77	TD		3300-4200		1.15
	N78	TD		3300-3800		1.27
	N79	TD		4400-5000		2.16
						dBi

Lobe diagram

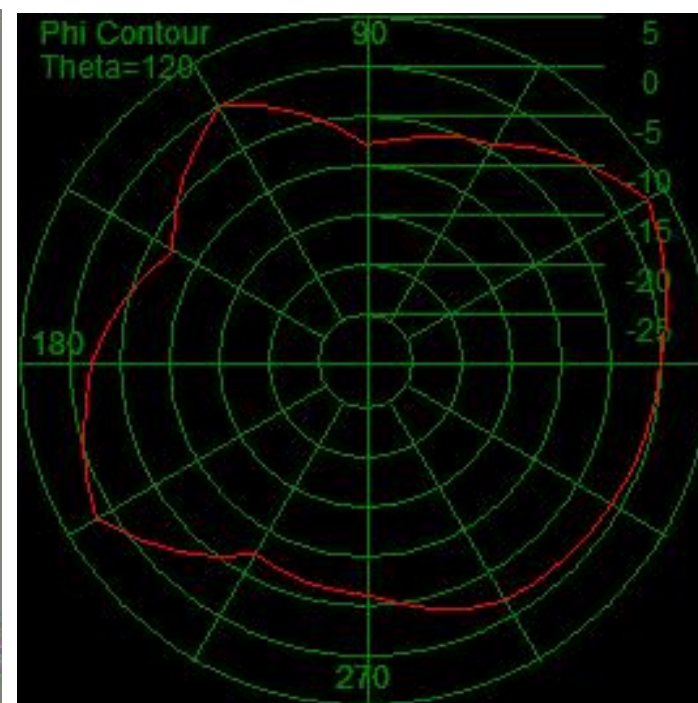
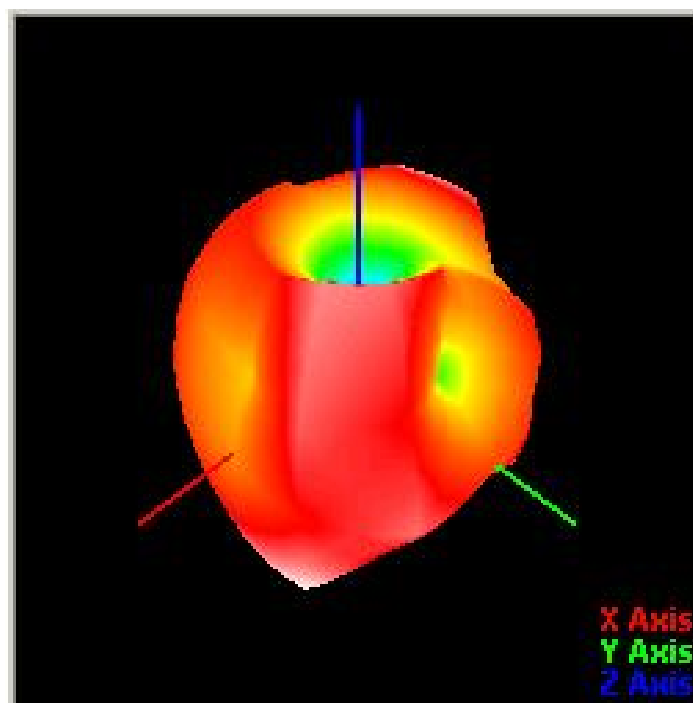
LTE



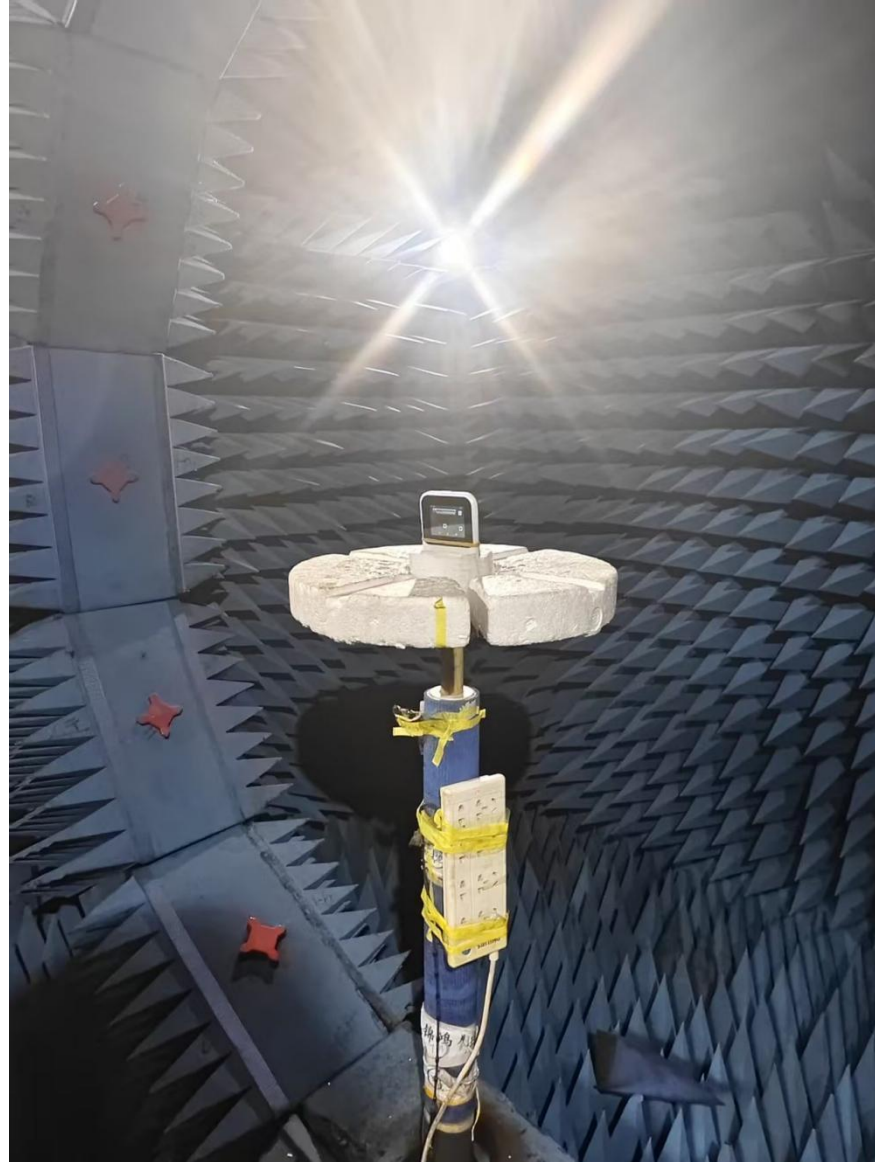
WIFI



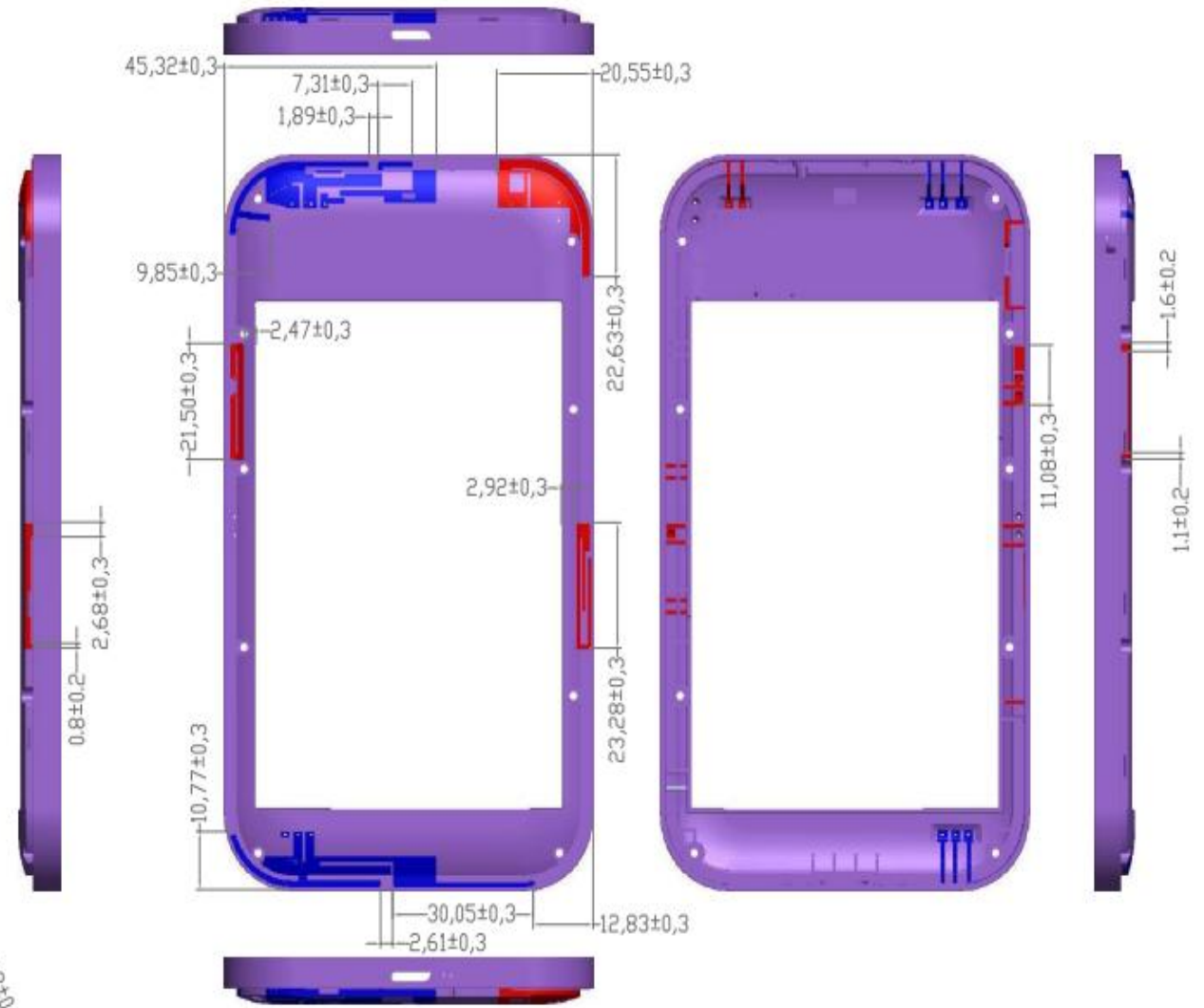
NR



Device Test scenario



Antenna size diagram



ANT1:GSM: 1900 WCDMA: B2/4
LTE: B2/4/7/25/66/41 NR SA: n2/n7/n25/n41/n66

