

WIFI 7 40x8 L80 CM1

Cable length (excluding solder pads)

Antenna

FEATURES



- 1.27 dBi Peak Gain@2.4G
- 2.42 dBi Peak Gain@5.8G
- Welding RG 1.13 cable, Ipex connector, 3M sticker for easy installation.
- For smart device wireless, Zigbee, Bluetooth terminal



PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
AIWF038	0.50	FPC:40.0*8.0*0.2 mm	Φ1.13*80mm	IPEX1	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-5900
VSWR (Max)	3.0:1	2.0:1
Peak Gain, dBi (Typ)	2.42 dBi	
Peak Efficiency,%	71.72%	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	60°	
Polarization	Linear	
Color	Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-40° C to +85° C	
Material Substance Compliance	REACH/RoHS Compliant	
All test data were obtained from testing conducted on 1.4mm thick polycarbonate (PC) plastic material; with an 80-mm-long RF 1.13 cable.Application data might vary.		

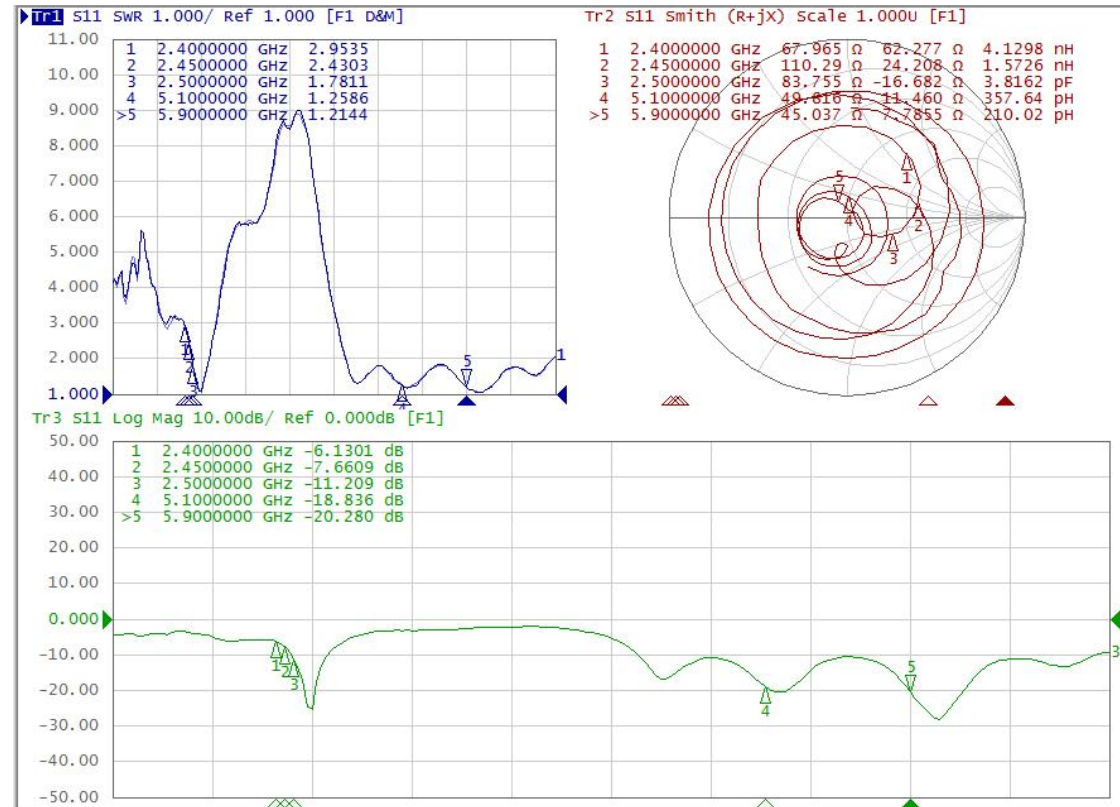
MyAntenna RF Technology Co., Ltd

ADD:Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen

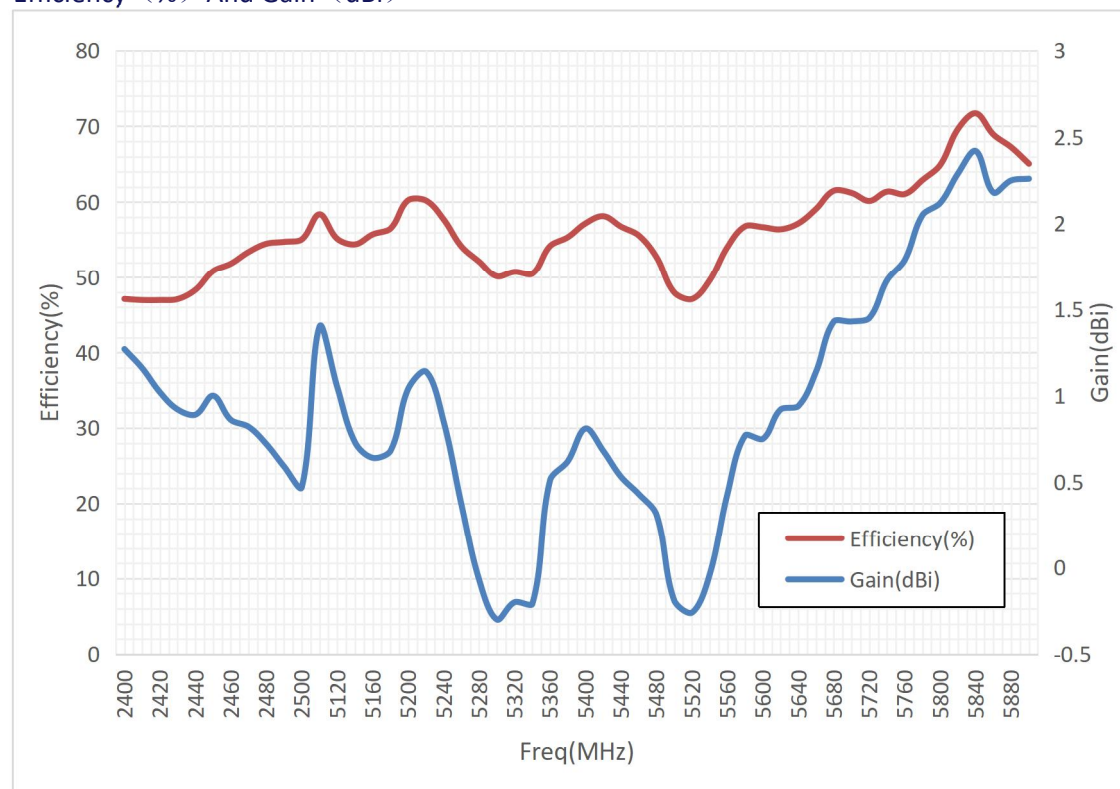
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ELECTRICAL DATA

Return Loss

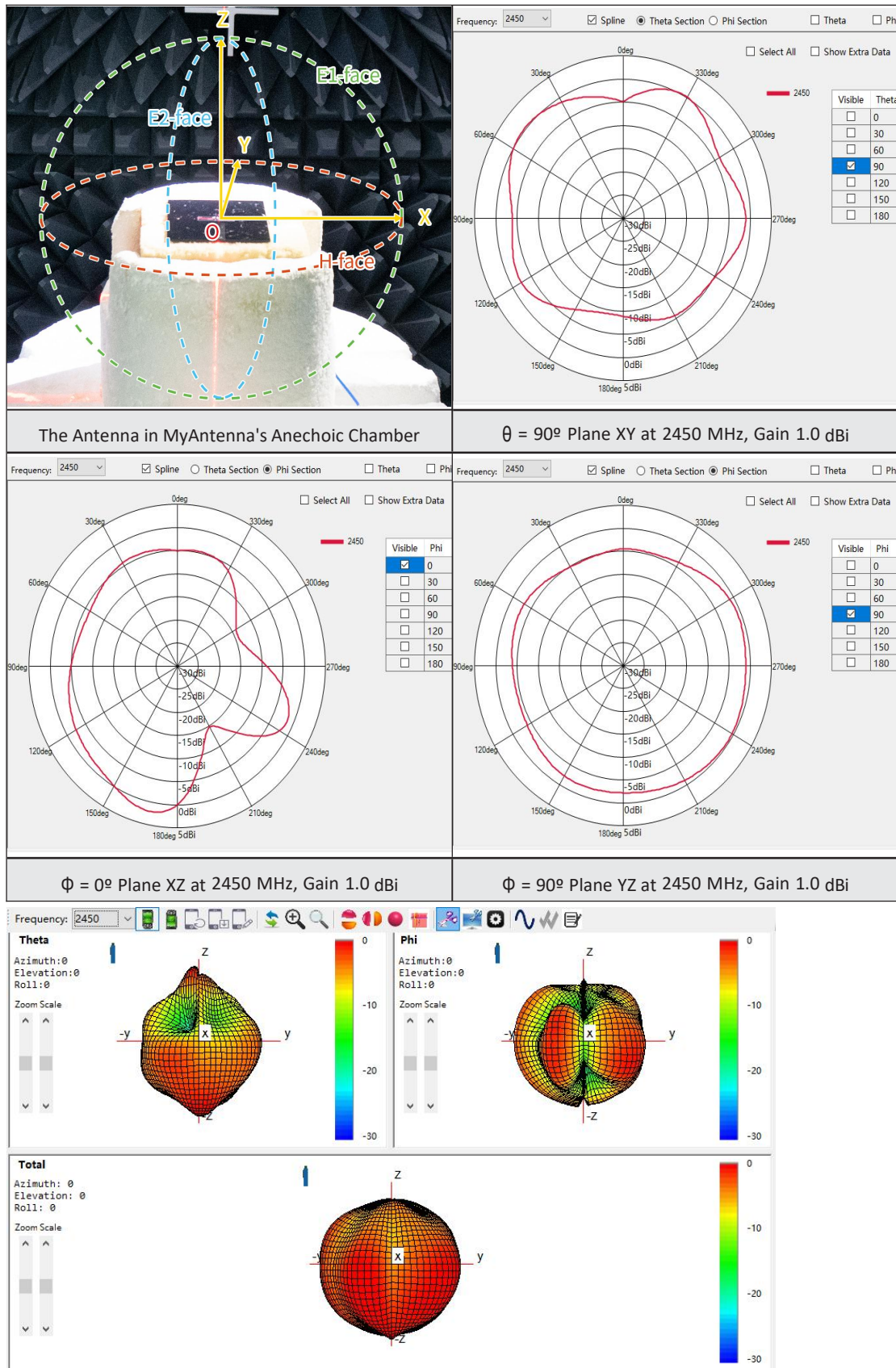


Efficiency (%) And Gain (dBi)



Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.27	47.11	5400	0.81	57.19
2410	1.16	46.96	5420	0.68	58.14
2420	1.02	46.96	5440	0.53	56.76
2430	0.92	47.09	5460	0.43	55.59
2440	0.89	48.32	5480	0.31	52.72
2450	1.00	50.84	5500	-0.19	47.98
2460	0.86	51.84	5520	-0.26	47.10
2470	0.82	53.39	5540	-0.04	49.60
2480	0.72	54.49	5560	0.43	54.04
2490	0.59	54.74	5580	0.77	56.80
2500	0.47	55.07	5600	0.75	56.68
5100	1.40	58.39	5620	0.92	56.40
5120	1.05	55.15	5640	0.94	57.18
5140	0.73	54.41	5660	1.14	59.10
5160	0.64	55.73	5680	1.43	61.50
5180	0.68	56.50	5700	1.43	61.21
5200	1.04	60.25	5720	1.45	60.15
5220	1.14	60.21	5740	1.67	61.38
5240	0.85	57.71	5760	1.79	61.06
5260	0.37	54.13	5780	2.05	62.91
5280	-0.07	52.11	5800	2.12	64.90
5300	-0.30	50.14	5820	2.29	69.65
5320	-0.20	50.74	5840	2.42	71.72
5340	-0.21	50.49	5860	2.18	68.91
5360	0.51	54.18	5880	2.25	67.24
5380	0.62	55.35	5900	2.26	65.06

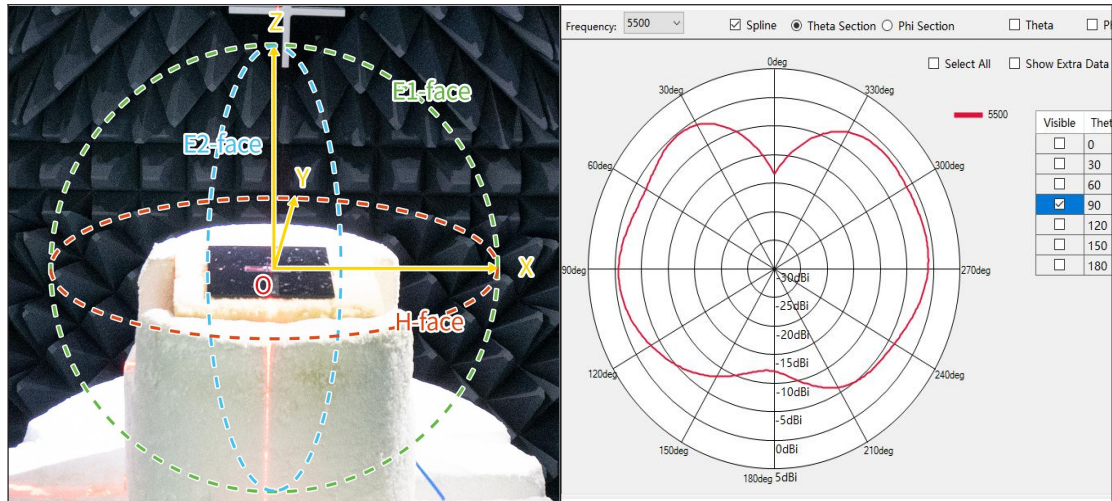
RADIATION PATTERNS



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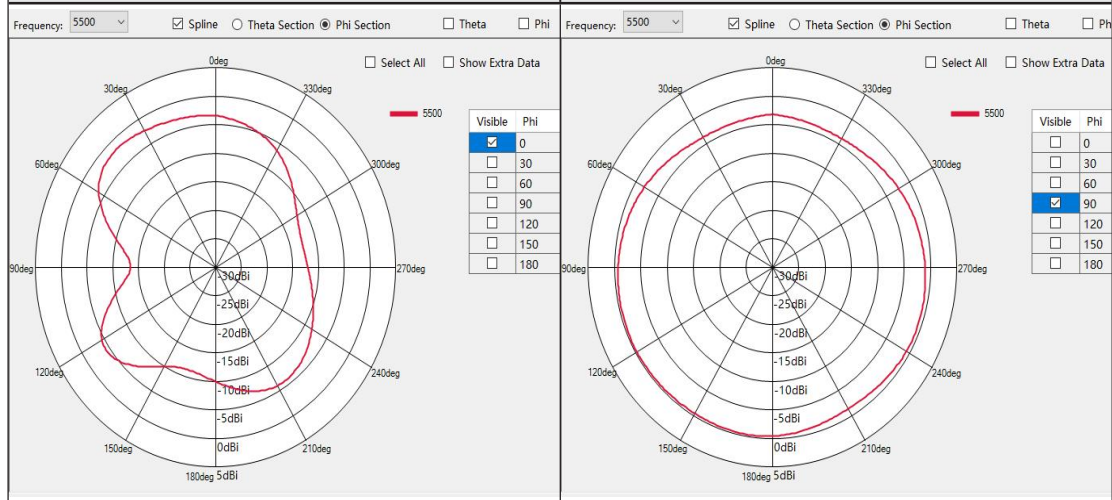
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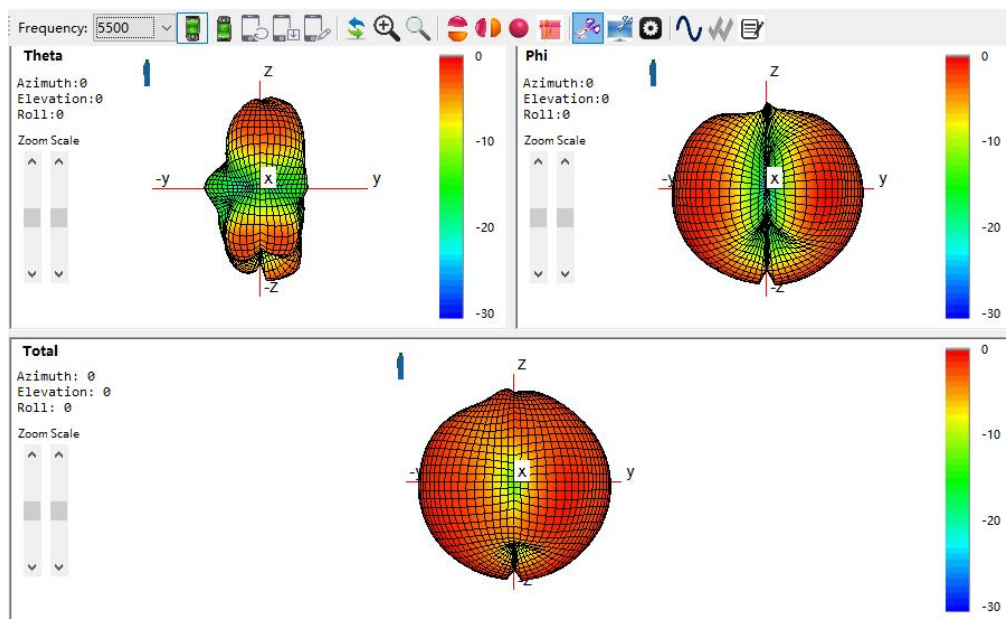
The Antenna in MyAntenna's Anechoic Chamber

$\theta = 90^\circ$ Plane XY at 5500 MHz, Gain 1.72 dBi



$\phi = 0^\circ$ Plane XZ at 5500 MHz, Gain 1.72 dBi

$\phi = 90^\circ$ Plane YZ at 5500 MHz, Gain 1.72 dBi



HOUSING CONFIGURATIONS

