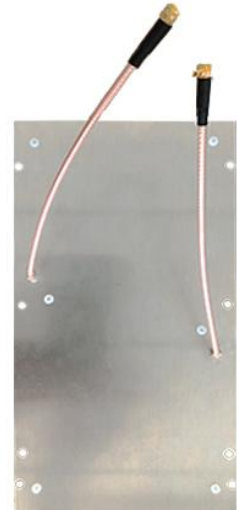


1. Feature

- 17dBi Dual Polarized Micro strip Antenna Array
- 5GHz of frequency
- MMCX connector
- Support 802.3 11AX/AC/AN
- RoHS compliance

2. Application

- 5GHz Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card



3. Description

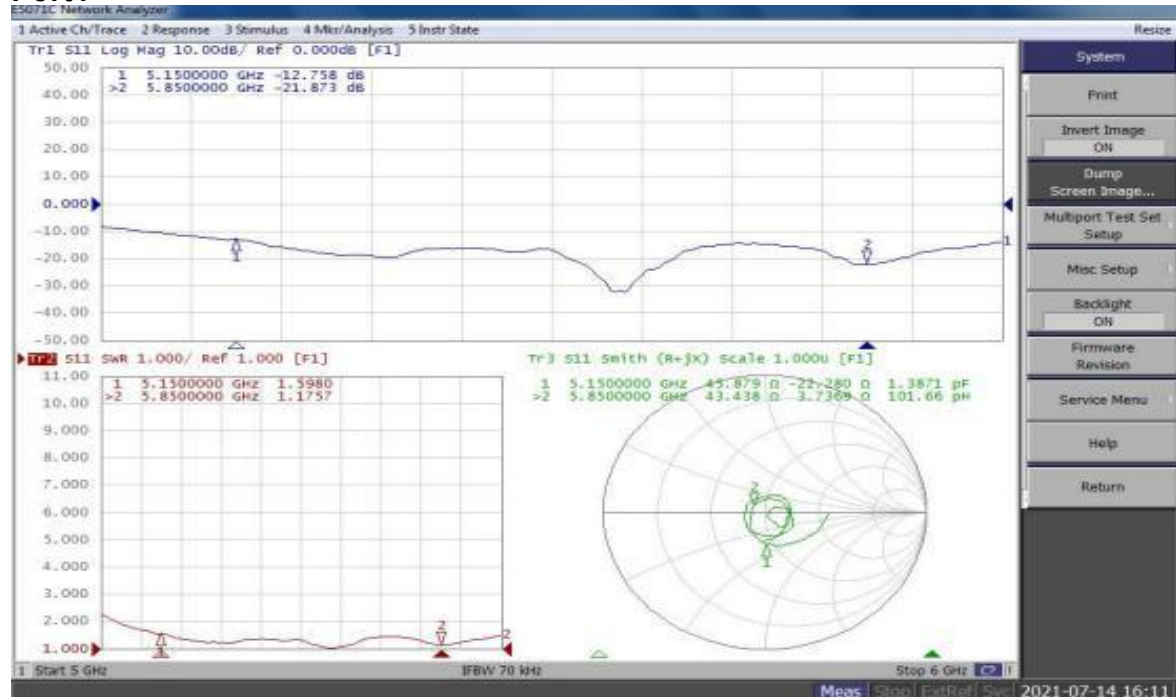
This antenna array is designed for 5GHz applications and can be easily built-in portable devices with MHF processes. It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

4. General Data

Product Name	Dual Polarized Micro strip Antenna Array	
Part No.	DR5G17_A	DR5G17_H
Frequency	5.1GHz-5.9GHz	5.1GHz-5.9GHz
V.S.W.R	<1.85	<1.65
Gain (dBi)	17dbi	18dbi
Polarization	Vertical & horizontal	Vertical & horizontal
Isolation	>40db	>40db
Storage Temp	-20°C~70°C	-20°C~70°C
Operating Temperature	-20°C~60°C	-20°C~60°C
Antenna Type	Antenna Array	Antenna Array
Dimension	200*105mm	200*105mm
Weight		

5. Typical Electrical Characteristics

VSWR & Smith chart



Port2



Gain (dBi) VS Efficiency

Port1

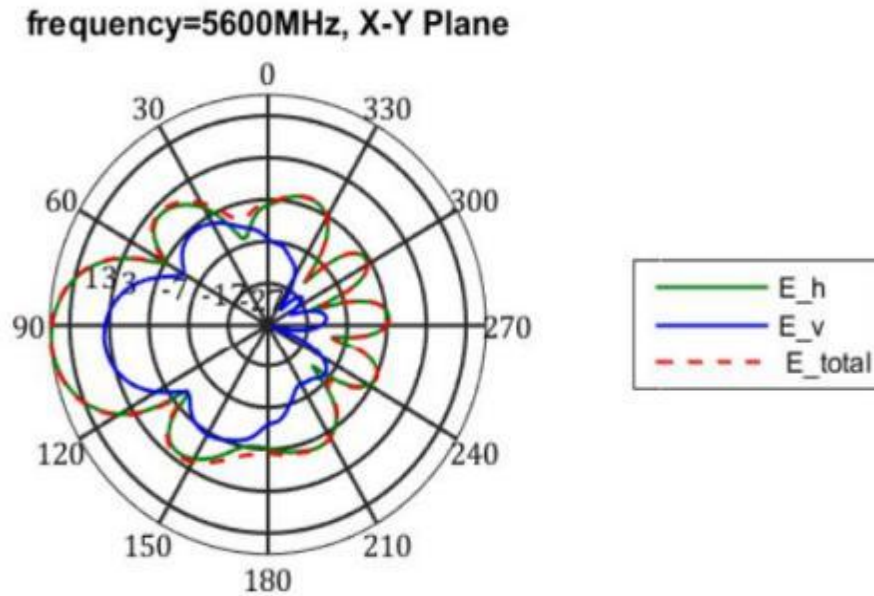
Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(%)	BW@theta=90
5100	17.9845	16.0123	63.5007	31.5378
5200	18.1707	16.8235	73.3299	30.977
5300	18.4528	16.8863	69.7176	30.215
5400	18.7027	16.9825	67.2941	29.9416
5500	18.8755	17.2356	68.5504	29.2195
5600	19.1393	17.5803	69.8387	28.0142
5700	19.3238	17.2666	62.2693	27.3637
5800	19.3181	17.6268	67.7432	26.9148
5900	19.3839	17.8213	69.7826	26.0087

Port2

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(%)	BW@theta=90
5100	18.4277	16.897	70.2965	33.573
5200	18.5082	17.2539	74.9152	33.2432
5300	18.6996	17.1707	70.3246	32.4226
5400	18.8742	17.1829	67.7436	31.4879
5500	19.039	17.6565	72.7365	31.0652
5600	19.1671	17.8186	73.309	30.8182
5700	19.3046	17.7222	69.4634	29.9616
5800	19.2637	17.9505	73.906	29.5506
5900	19.1449	17.5794	69.735	29.2306

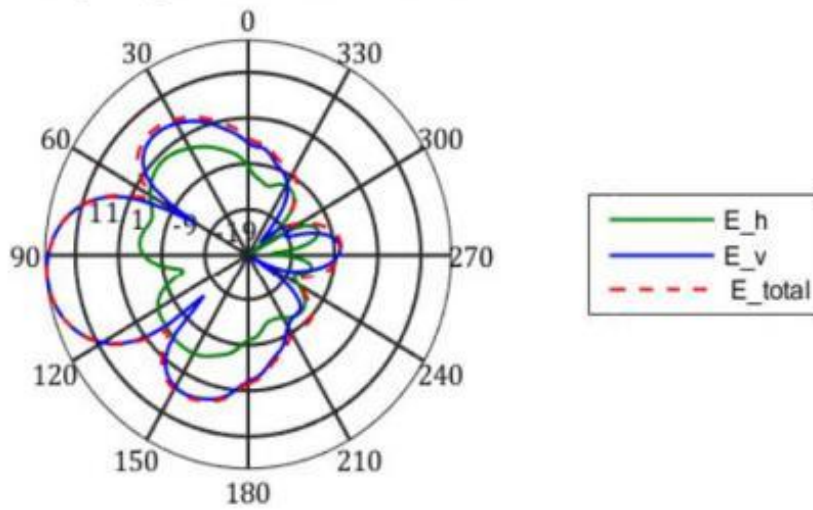
2D Polar Plots

Port1



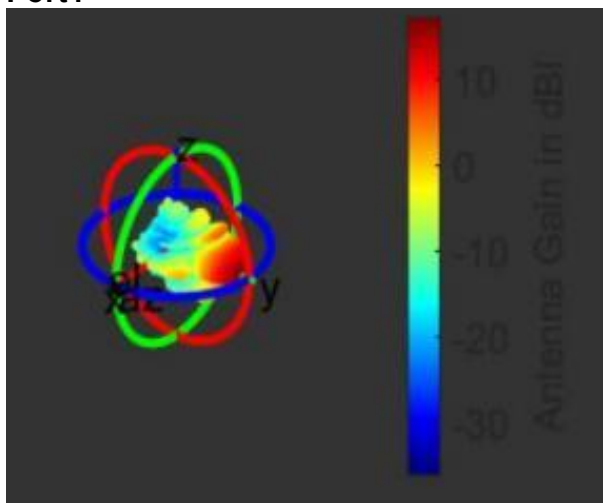
Port2

frequency=5600MHz, X-Y Plane



3D Polar Plots

Port1



Port2

