

DR 5G15 Specification

1 5 dBi Dual Polarized Micro strip Antenna Array

1. Feature

- * 1 5 dBi Dual Polarized Micro strip Antenna Array
- * 5 GHz of frequency
- * MMCX connector
- * Support 802.3 11 AX/ AC/ AN
- * RoHS compliance

2. Application

- * 5 GHz 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.	DR5G15
Frequency	5GHz-6GHz
V.S.W.R	< 1.85
Gain (dBi)	15dbi
Polarization	Vertical & horizontal
Isolation	>40db
Storage Temp	-20°C~70°C
Operating Temperature	-20°C~60°C
Antenna Type	Antenna Array
Dimension	160*100mm
Weight	

5. Typical Electrical Characteristics

Gain (dBi) VS Efficiency

Port1

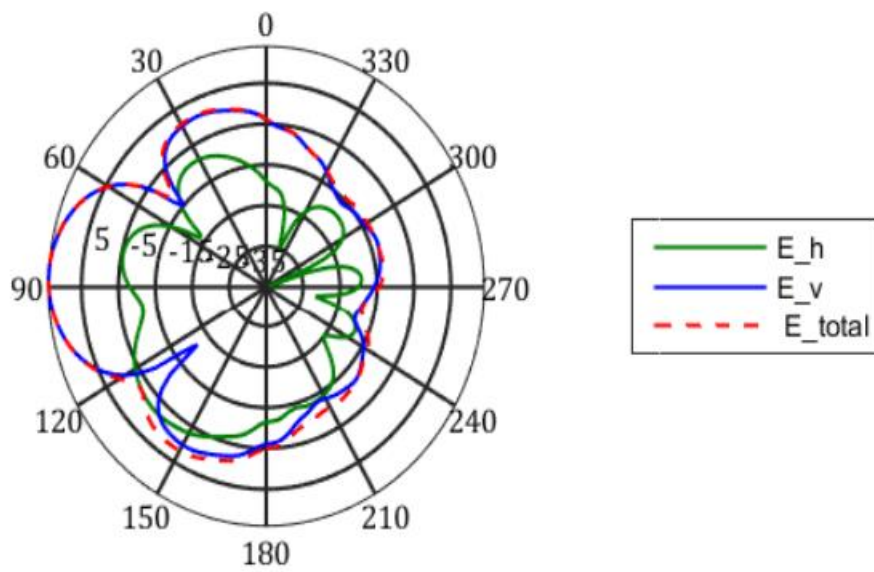
Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency (%)	BW@phi=90
4900	14.3974	12.9429	71.5412	36.6668
5000	14.6106	14.0053	86.9918	37.2539
5100	14.9312	14.0167	81.0111	36.5304
5200	15.1264	14.2746	82.1903	35.5818
5300	15.2291	14.3926	82.4809	35.3182
5400	15.4025	14.709	85.2416	33.9248
5500	15.5786	14.8449	84.4566	33.6578
5600	15.8035	15.107	85.1822	33.1323
5700	16.0259	15.5444	89.5042	31.2692
5800	16.1636	15.4984	85.7981	29.9879
5900	16.2524	15.273	79.8112	29.2724
6000	16.367	15.5044	81.9867	29.6656

Port2

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency (%)	BW@theta=90
4900	13.6453	12.718	80.7749	37.7786
5000	13.9654	12.9089	78.4066	37.1462
5100	14.3675	12.9388	71.966	36.2656
5200	14.5216	13.3969	77.1851	35.2257
5300	14.648	13.5578	77.7988	34.1508
5400	14.7428	14.0007	84.2928	33.4729
5500	14.945	13.9812	80.0989	32.7227
5600	15.0567	13.3733	67.8677	32.2481
5700	15.1167	13.5568	69.8251	31.4581
5800	15.082	13.9588	77.2107	31.2782
5900	15.1205	14.0627	78.382	30.801
6000	15.2101	14.1726	78.7484	30.3579

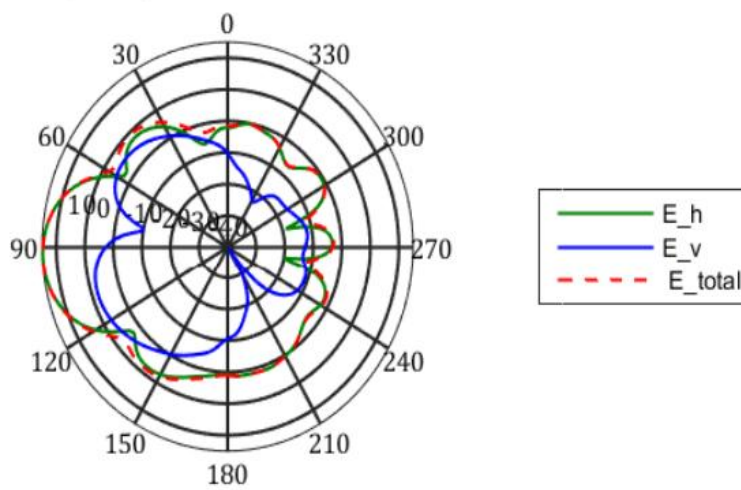
Port1

frequency=5500MHz, X-Y Plane



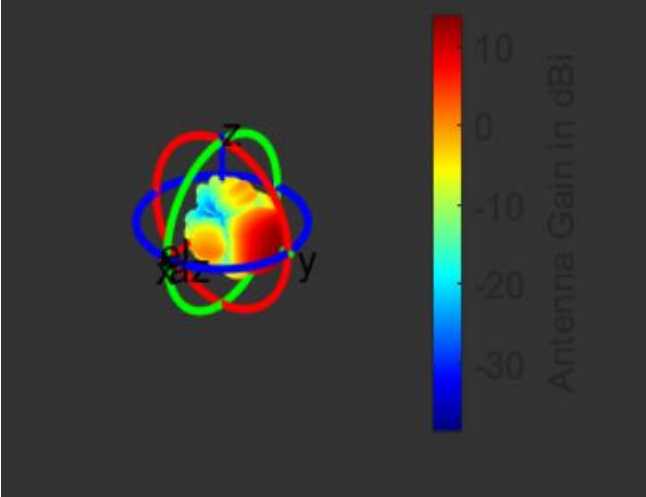
Port2

frequency=5500MHz, X-Y Plane



3D Polar Plots

Port1



Port2

