

"High Frequency PCB Antenna Solutions"

2.45-5.8GHz Antenna (Vertical Orientation)

P/N: ANT-2G45G01

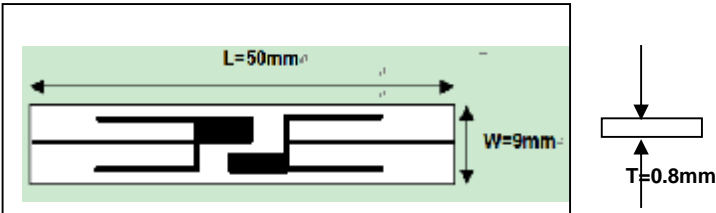
Page 1 of 5

General Specifications

Part Number	P/N: ANT-2G45G01
Frequency Range	2400 - 2500 Mhz 5700 - 6000 MHz
Peak Gain	2.4G 3.0 dBi typ. (XZ-V)
Average Gain	2.4G1.0 dBi typ. (XZ-V)
Peak Gain	5.8G 3.0 dBi typ. (XZ-V)
Average Gain	5.8G1.0 dBi typ. (XZ-V)
Return Loss	-10dB min.
connector type	SMA
50R Line length	118cm
RF connector	IPEX13

Input Power	10W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	

Mechanical Dimensions

	In	mm	
L	1.97 ± 0.008	50 ± 0.20	
W	0.354 ± 0.008	9.1 ± 0.20	
T	0.354 ± 0.008	0.8 ± 0.2	

Antenna photo



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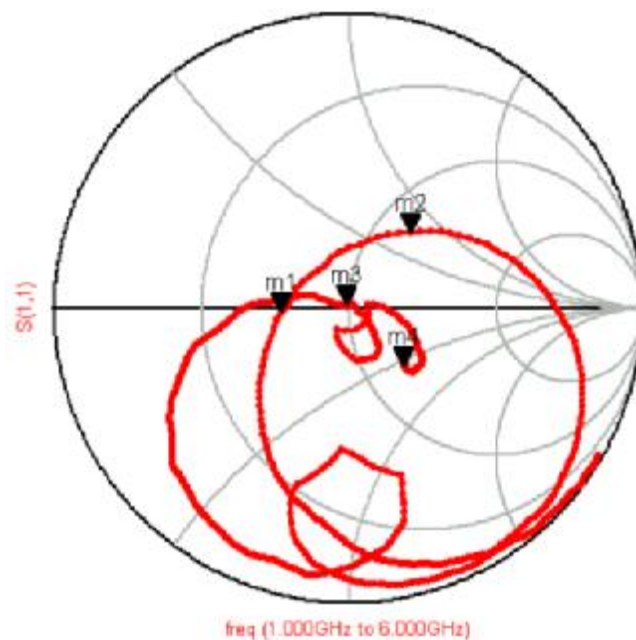
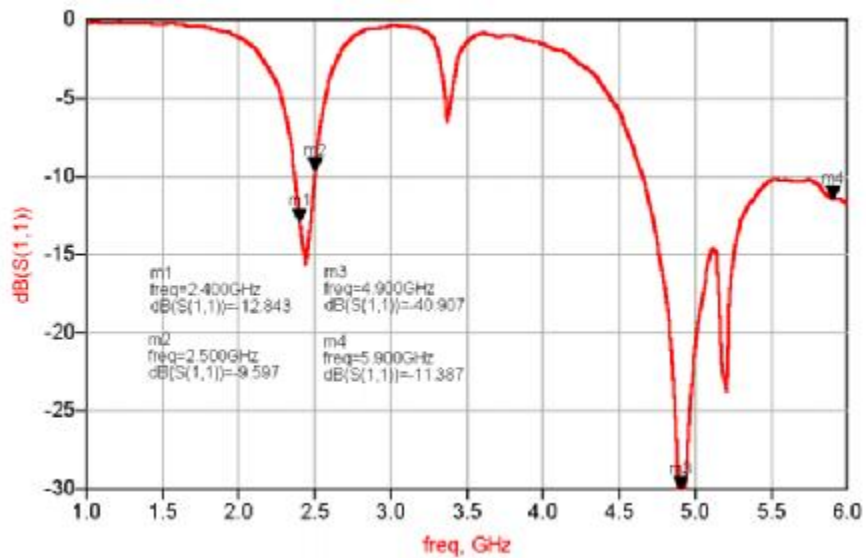
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Detail Specification: 05/09/2019

Page 2 of 6

Typical Electrical Characteristics (T=25°C)



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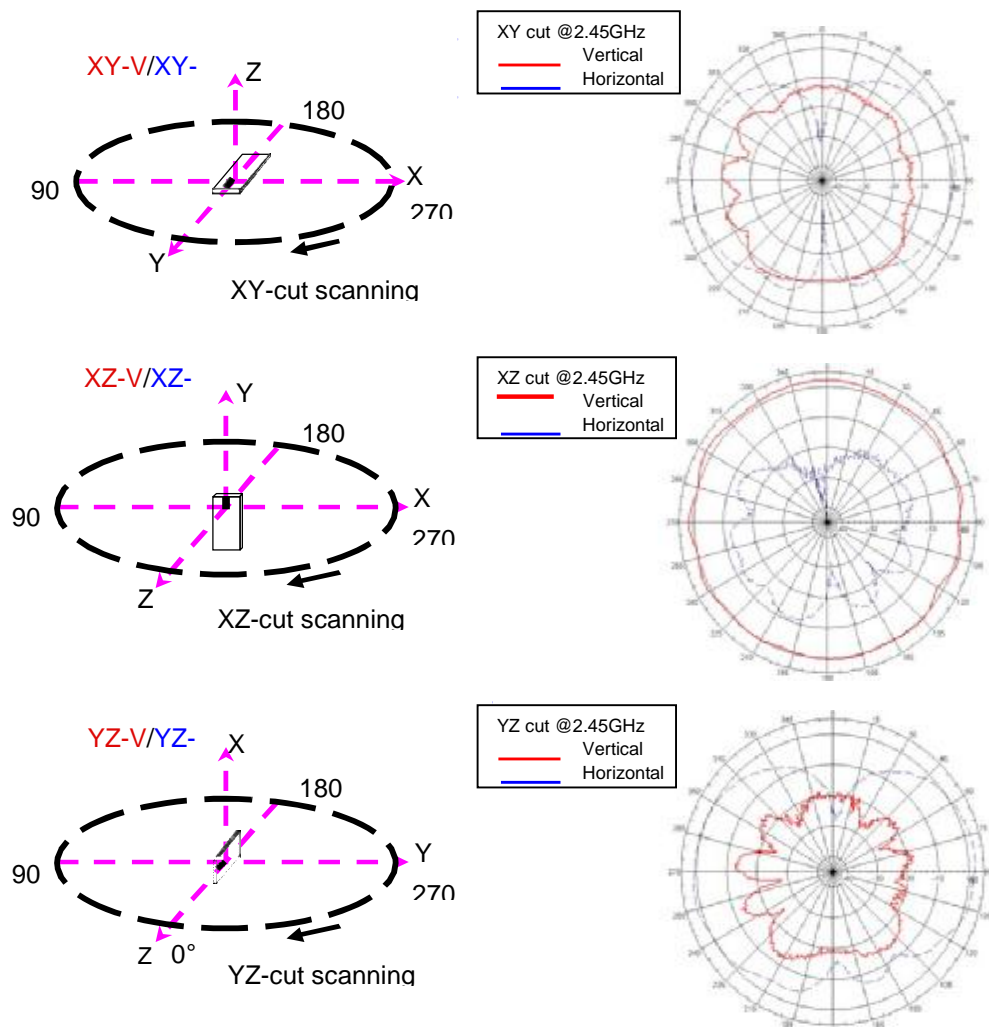
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Detail Specification: 05/09/2019

P/N:ANT-2G45G01

Page 3 of 5

Typical Radiation



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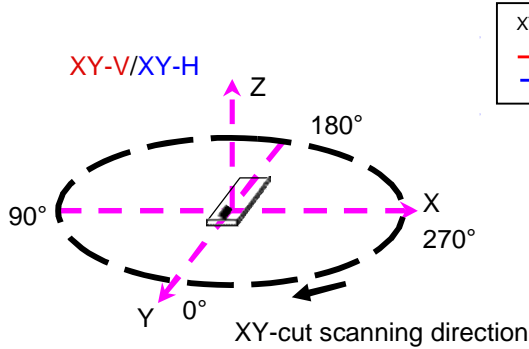
2.45 GHz Antenna (Horizontal Orientation)

Detail Specification: 05/09/2019

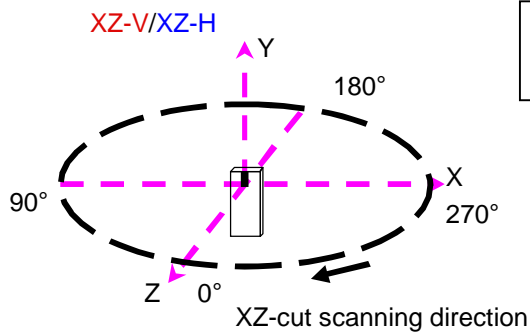
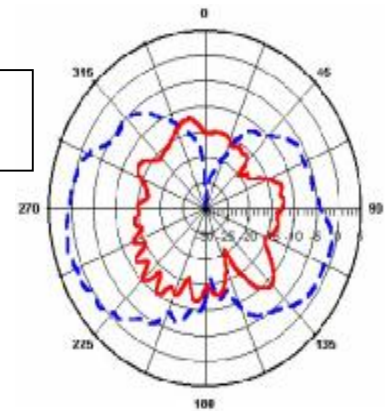
P/N : ANT-2G45G01

Page 4 of 5

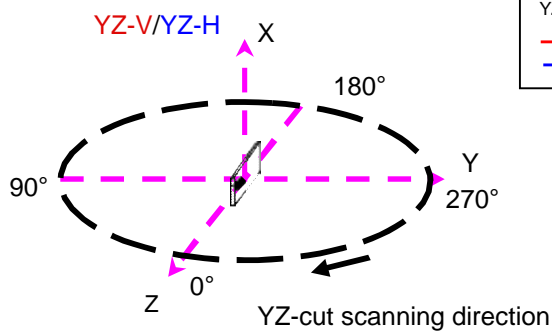
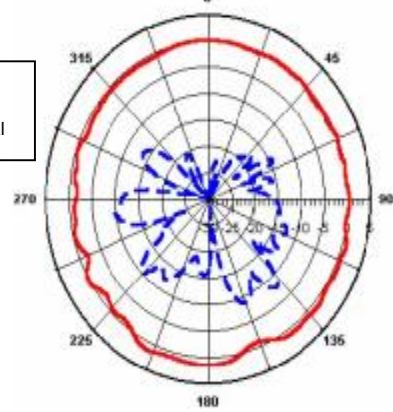
Typical Radiation Patterns



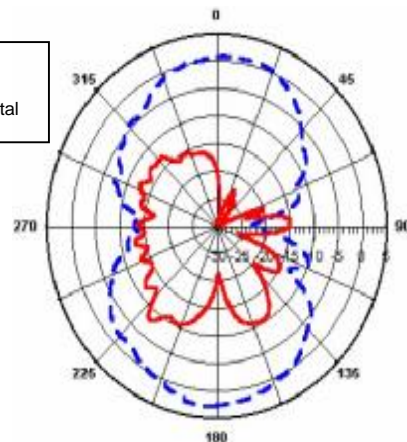
XY cut @2.45GHz
— Vertical
— Horizontal



XZ cut @2.45GHz
— Vertical
— Horizontal



YZ cut @2.45GHz
— Vertical
— Horizontal



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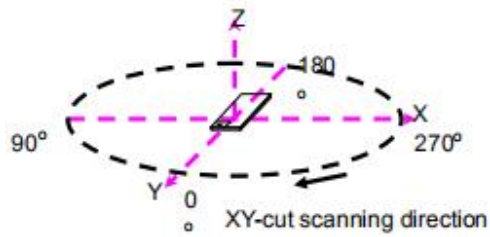
5.4 GHz Antenna (Horizontal Orientation)

P/N : ANT-2G45G01

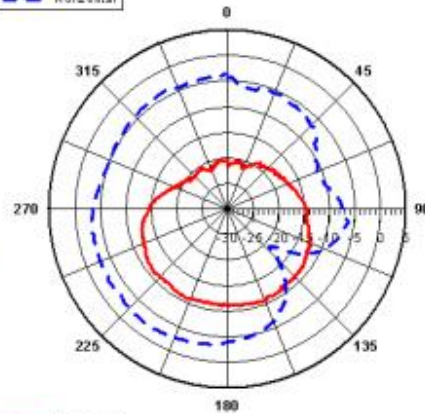
Detail Specification: 05/09/2019

Page 5 of 5

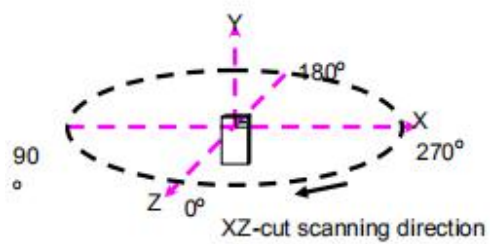
XY-V/XY-H



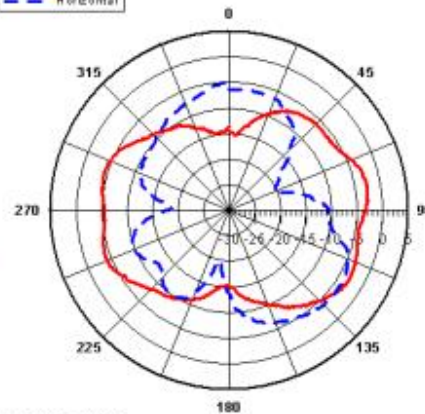
XY cut @ 5.40 GHz
— Vertical
— Horizontal



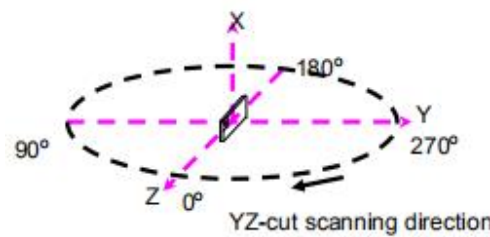
XZ-V/XZ-H



— Vertical
— Horizontal



YZ-V/YZ-H



YZ cut @ 5.40 GHz
— Vertical
— Horizontal

