

Antenna Brand: ALPHA
Antenna Model: 1X2 Patch 24GHz
Antenna type: patch
Manufacturer : Alpha Networks Inc.
Address: No.8, Li-shing 7th Rd., Science-based Industrial Park,
Hsinchu, 300, Taiwan

Product Name: 24GHz Radar
Model: ARFSA06
Barand: Acer Gadget Inc.

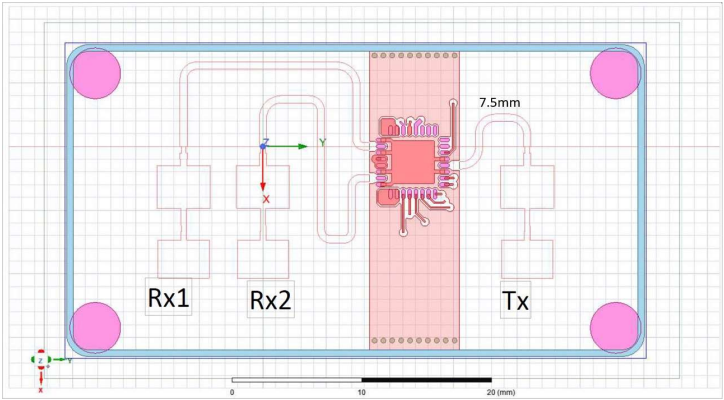
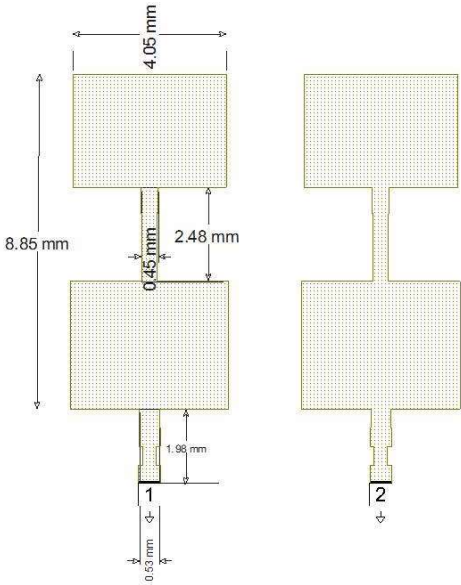
IRF-SA06 24GHz Radar Simulation Result

PCB Material RO4350B
Dk: 3.66
Df: 0.004
PCB Thickness =0.254mm(10mil)

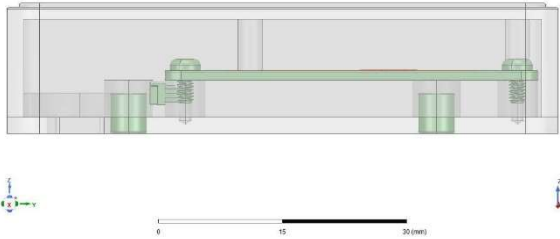
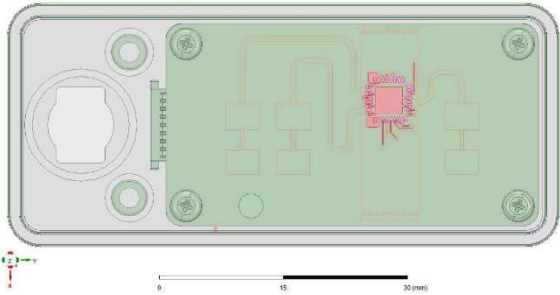
Housing Material
Er:2.7

	3dB Beam width			
	W/O Housing		W/ Housing	
	H	V	H	V
Tx	78	67	51	39
Rx1	48	71	42	41
Rx2	63	64	47	50

	Peak Gain(dBi)	
	W/ Housing	
	H	V
Tx	11.5	9.6
Rx1	11	11.7
Rx2	11.2	11.4

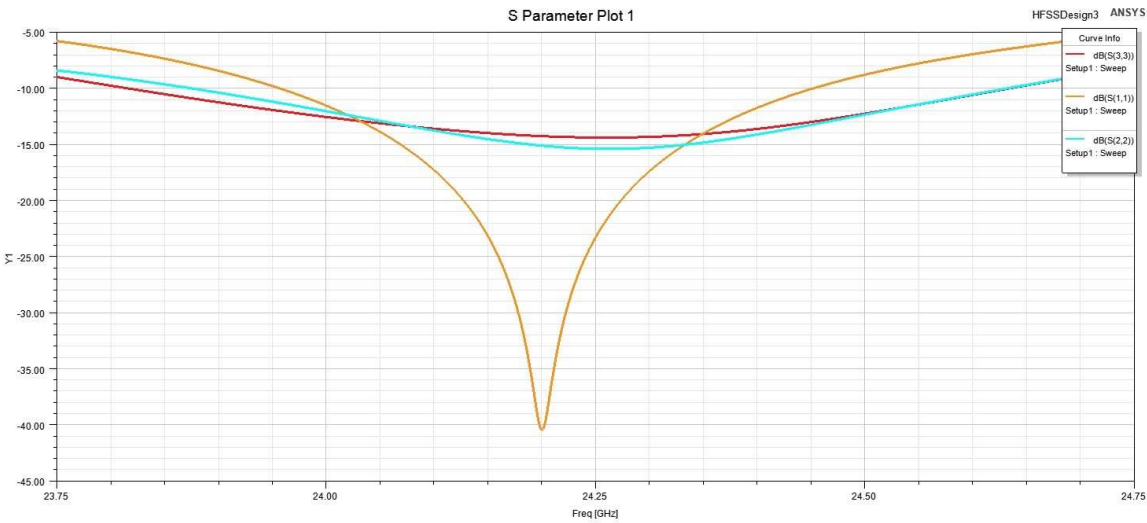


W/ Housing

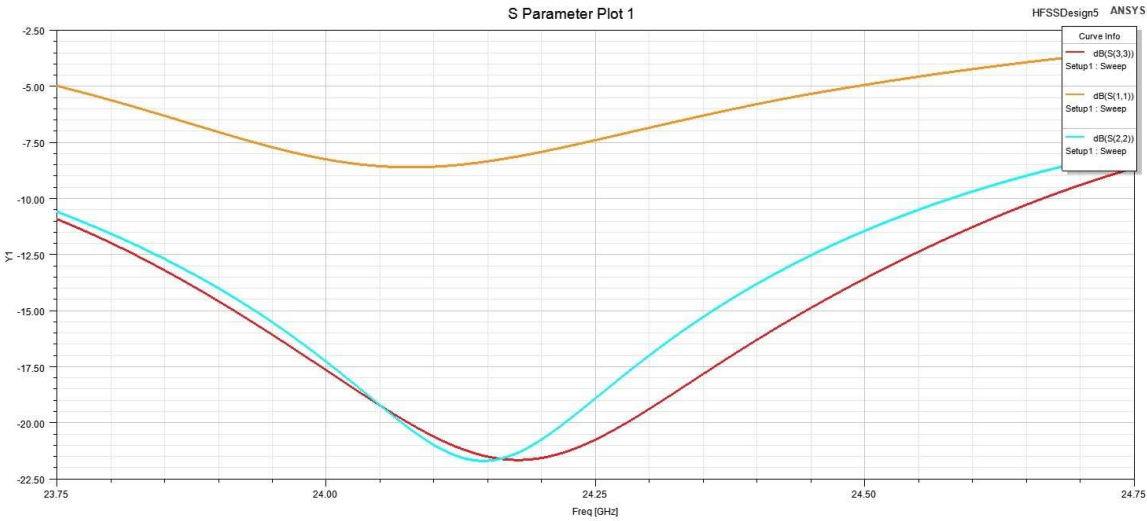


Return Loss

W/O Housing



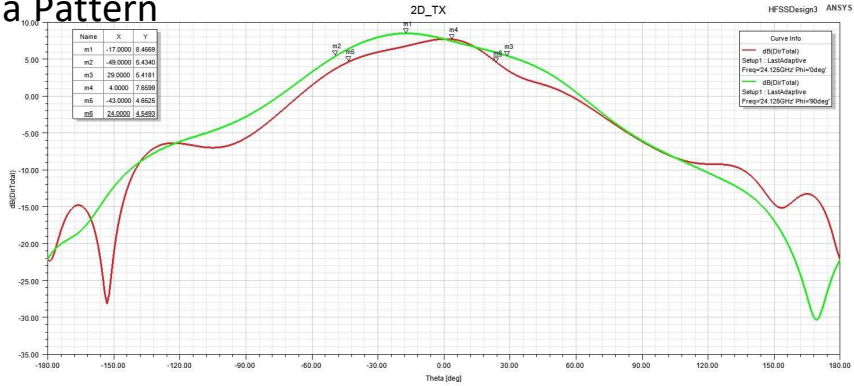
W/ Housing



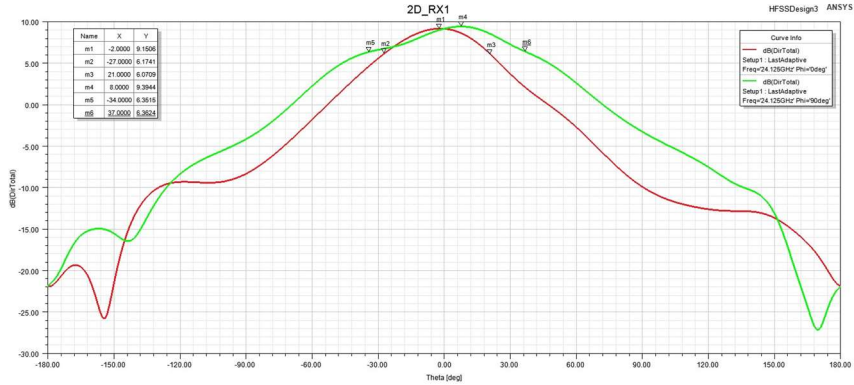
2D Antenna Pattern

W/O Housing

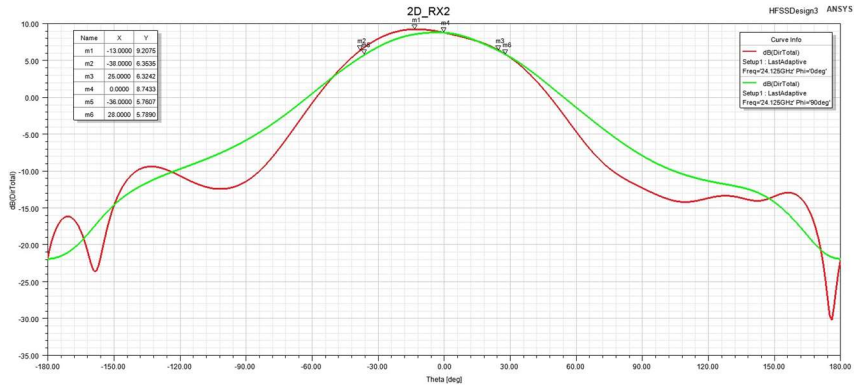
TX



RX_1

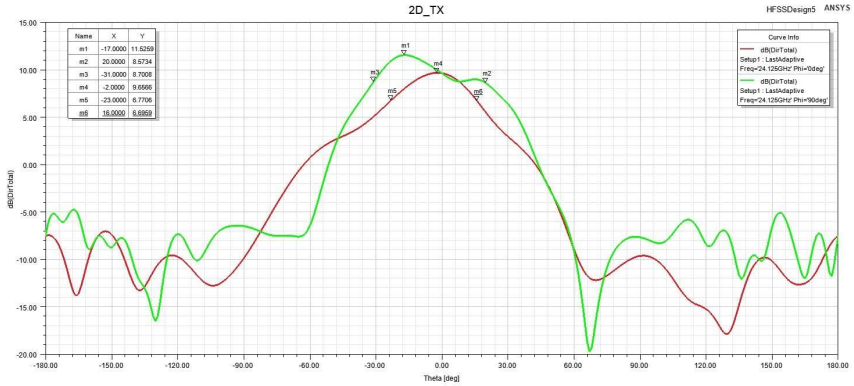


RX_2

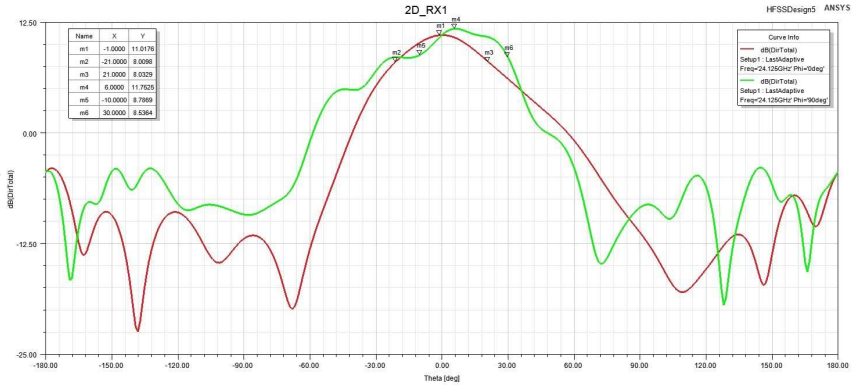


W/ Housing

TX



RX_1



RX_2

