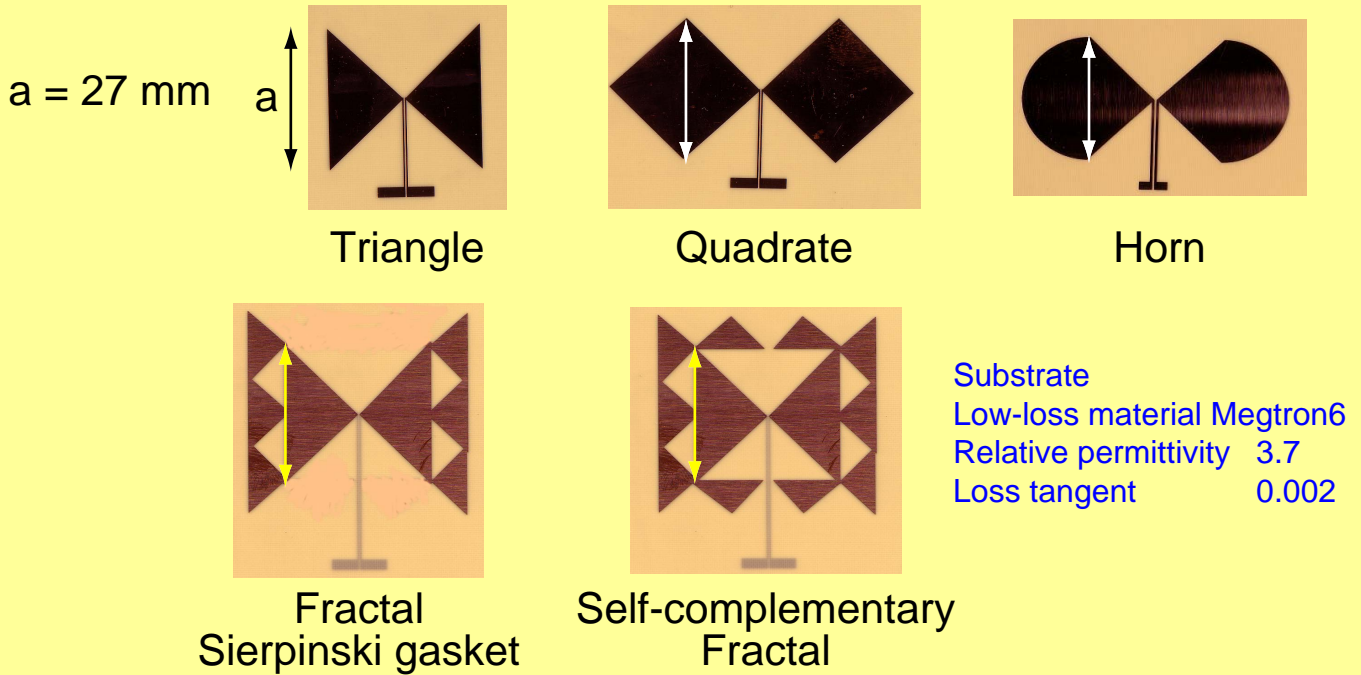
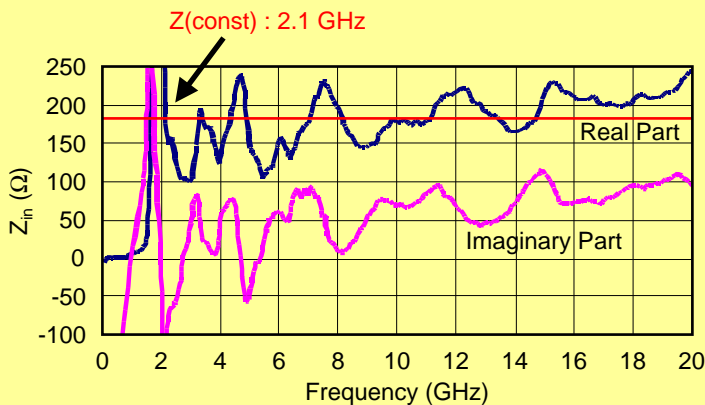


Fabricated Self-complementary antenna patterns

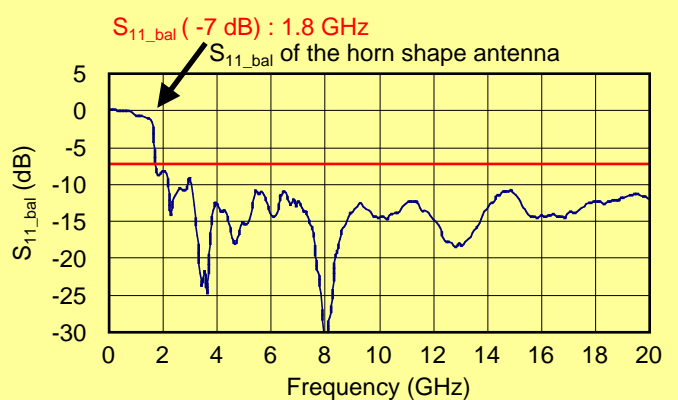


Return losses of the fabricated antennas

Measured input impedance (horn)



Measured Return loss for balanced input



Shape	Simulation		Measured	
	Z(const)	S _{11_bal} (-7dB)	Z(const)	S _{11_bal} (-7dB)
Triangle	3.9 GHz	2.3 GHz	3.8 GHz	3.0 GHz
Quadrate	5.2 GHz	1.4 GHz	2.7 GHz	2.3 GHz
Horn	4.0 GHz	1.0 GHz	2.1 GHz	1.8 GHz
Sierpinski	3.5 GHz	1.5 GHz	3.5 GHz	2.3 GHz
Sierpinski 2	5.7 GHz	5.0 GHz	6.5 GHz	6.0 GHz

Sierpinski 2 : Self-complementary Sierpinski gasket