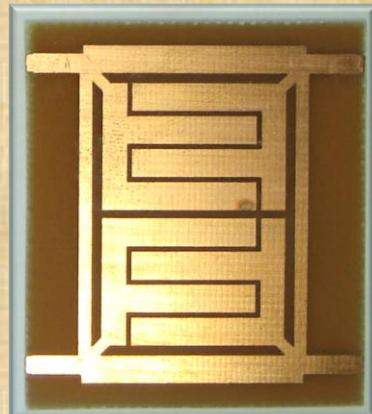
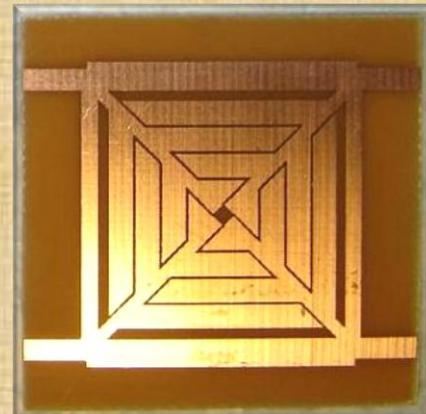




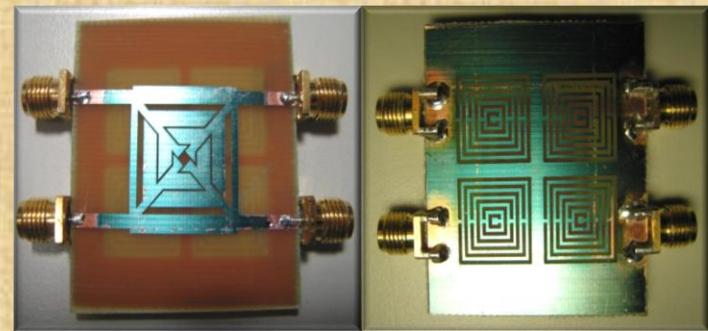
Research summary



Finger shape



Leaf shape



Leaf shape + SRR DFG

Frq. =836.5Mhz	Conventional	Finger shape	Leaf shape	Leaf shape +SRR DFG
Area (mm ²)	2636.4	796	707.76	351.2
Relative size	100%	30%	26.8%	13.3%
Length reduction	0.25λg x 0.25λg	0.11λg x 0.13λg	0.11λg x 0.12λg	0.088λg x 0.093λg
S _{nn} (n=1,2,3,4)	>20	> 14.6	>20	>10
S ₂₁ & S ₃₁	> 3.4	>3.8	>3.9	> 4.8
Isolation S ₄₁ (dB)	28.4	22	29.7	15
Phase difference	90.6	90.32	92	87.1