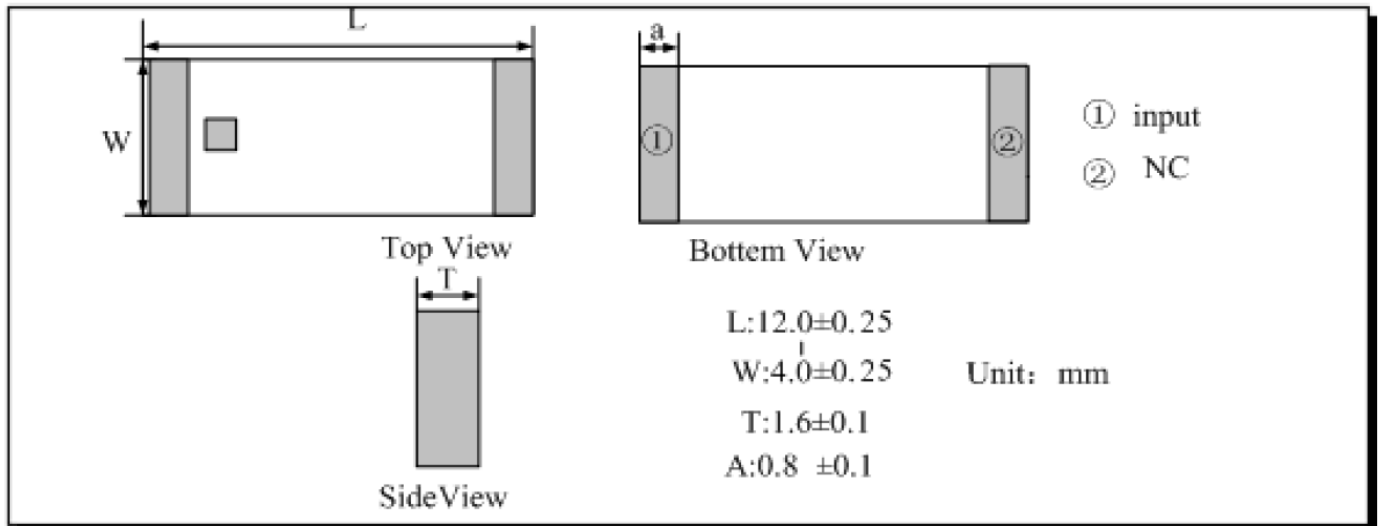
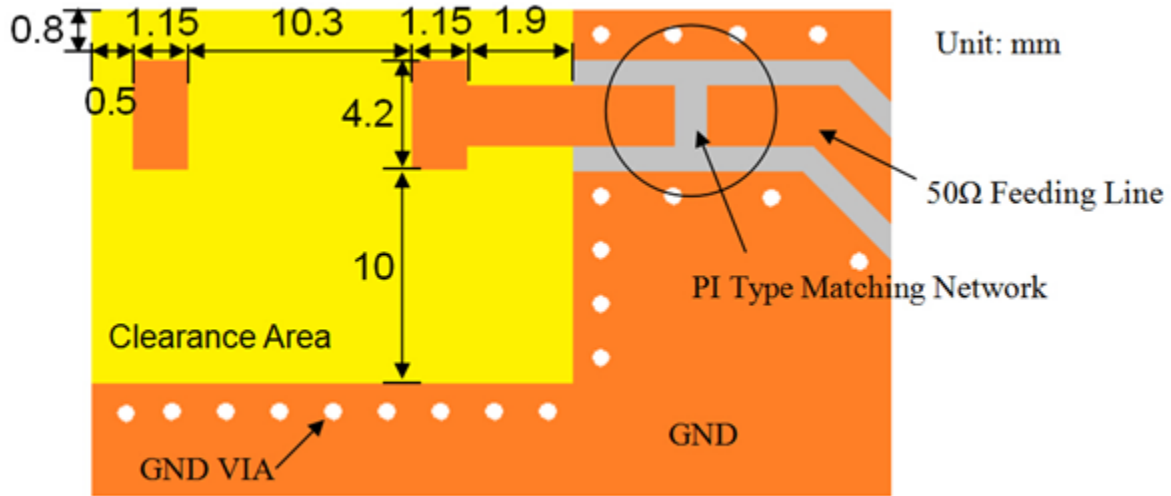


ELECTRICAL SPECIFICATION

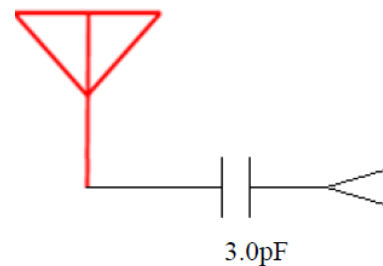
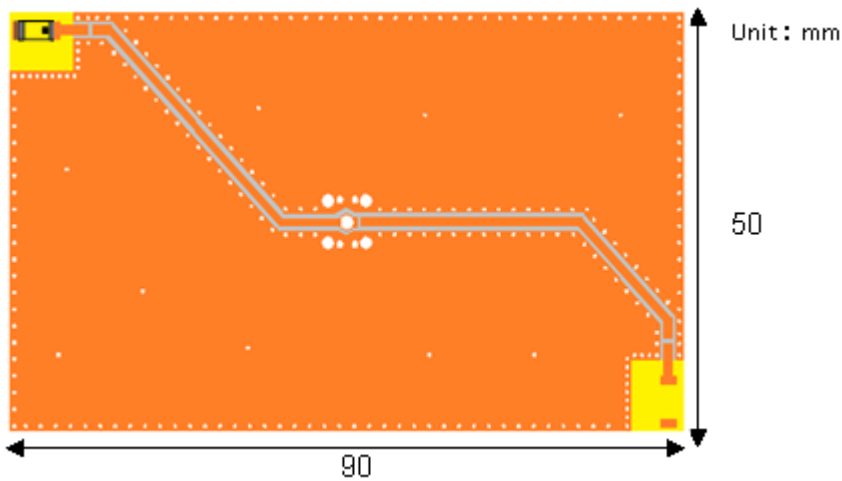
PARAMETERS	VALUE	UNIT
Center Frequency	433.000	MHz
Peak Gain	-1.72	dBi
Return Loss, min	6.5	dB
Polarization	Linear	-
Band Width,typ	10	MHz
Impedance	50	Ω
Operating Temperature Range	-40 ~ + 85	$^{\circ}\text{C}$
Storage Temperature Range	-40 ~ +85	$^{\circ}\text{C}$
Azimuth Beam Width	Omni-Directional	-

MECHANICAL SPECIFICATION

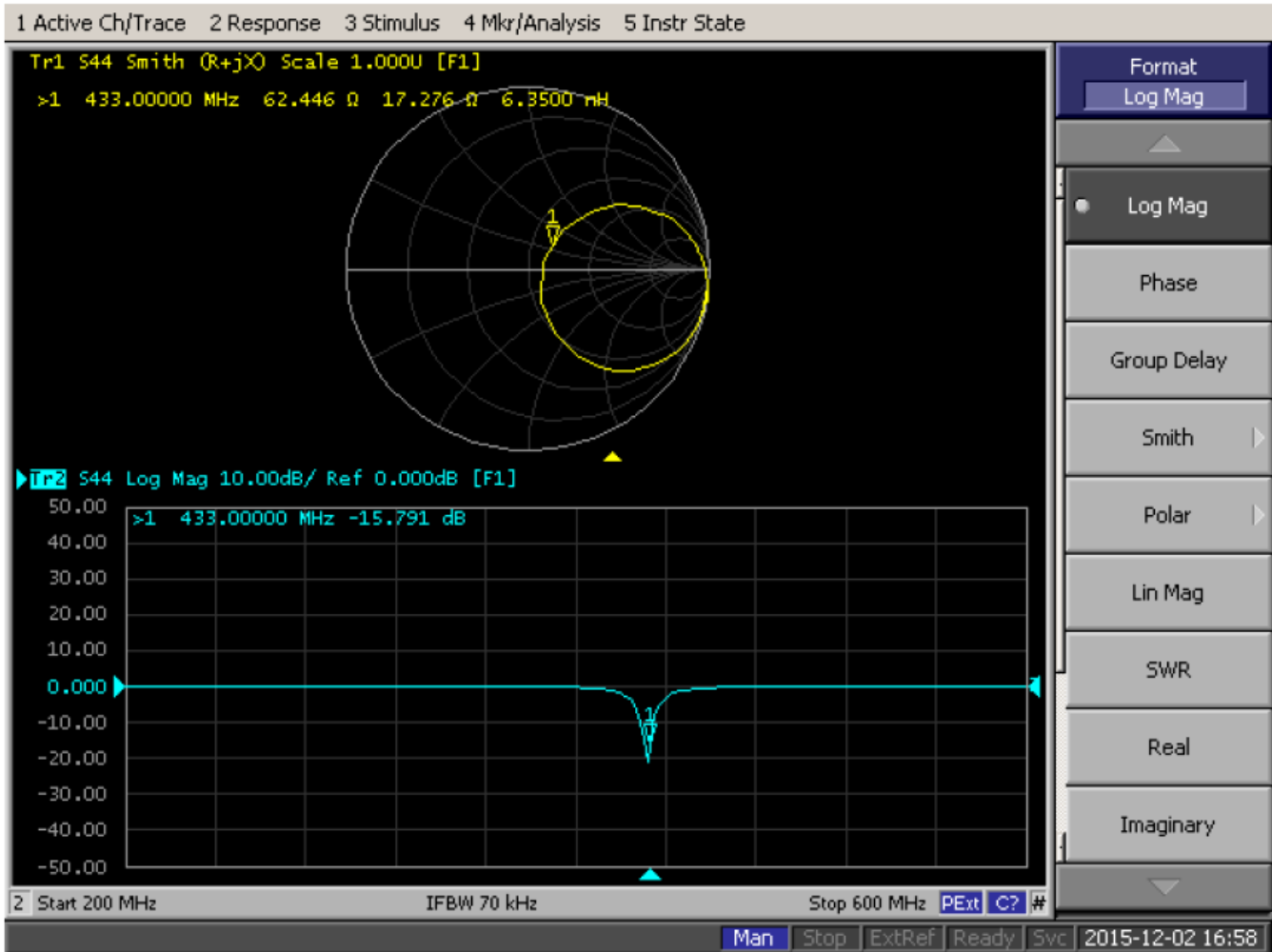




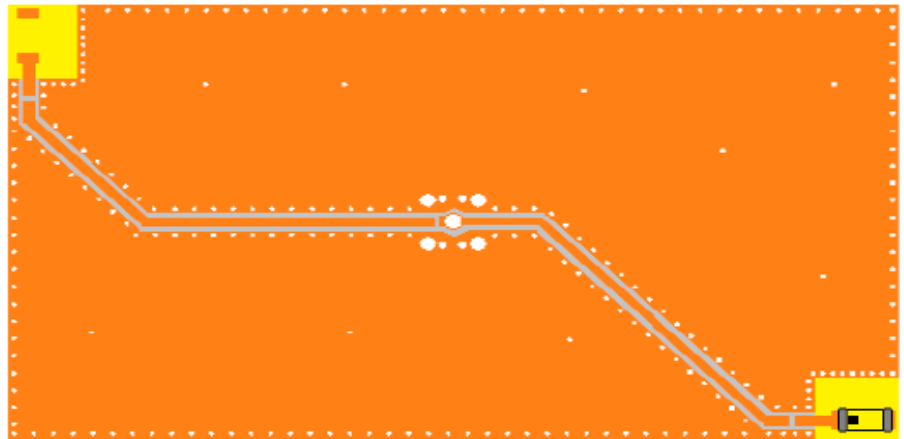
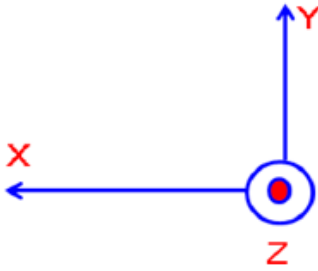
■ TEST BOARD AND MATCHING CIRCUIT



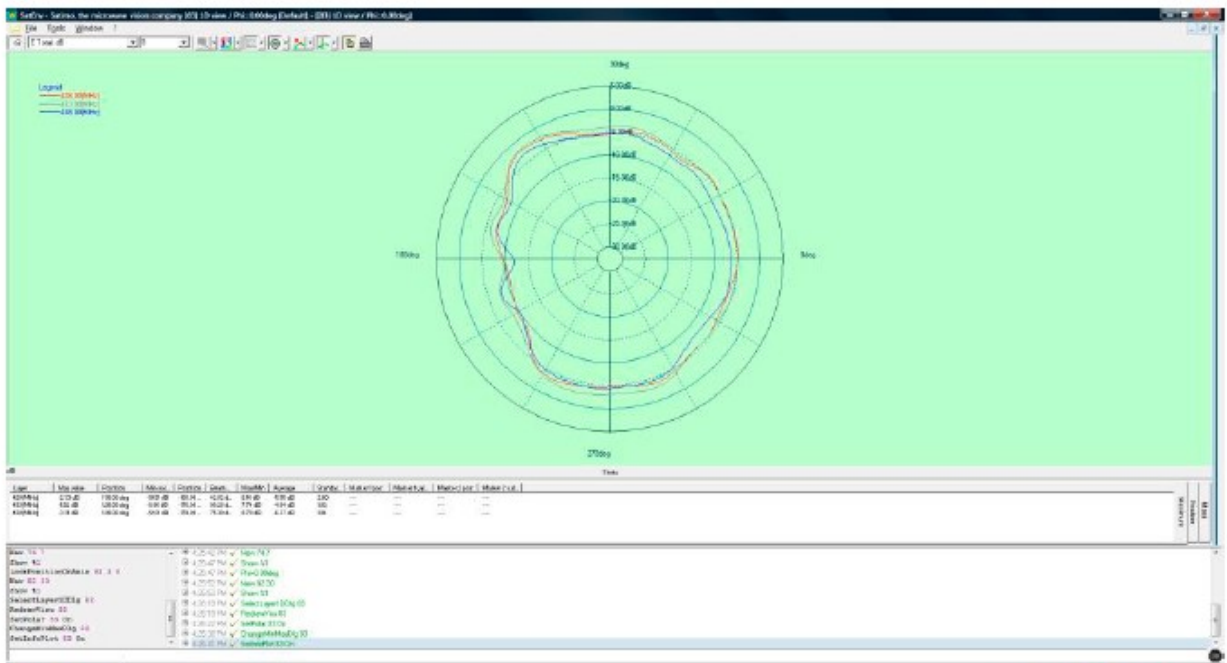
FREQUENCY CHARACTERISTICS



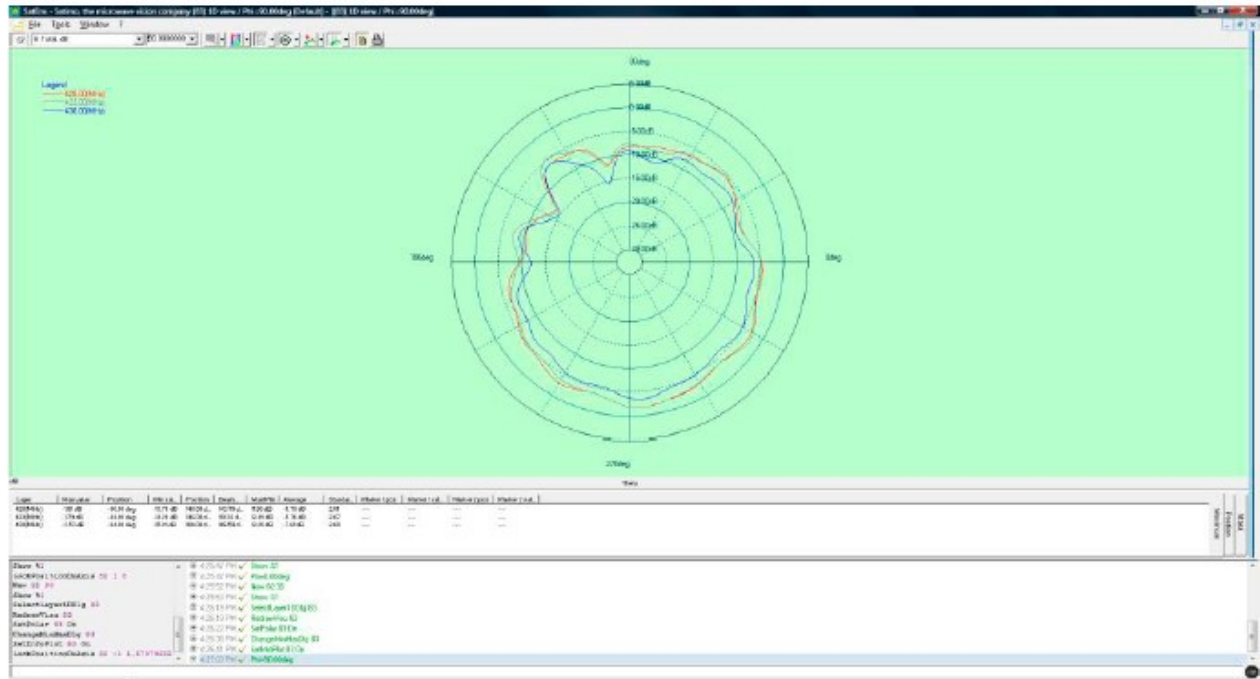
■ RADIATION PATTERN



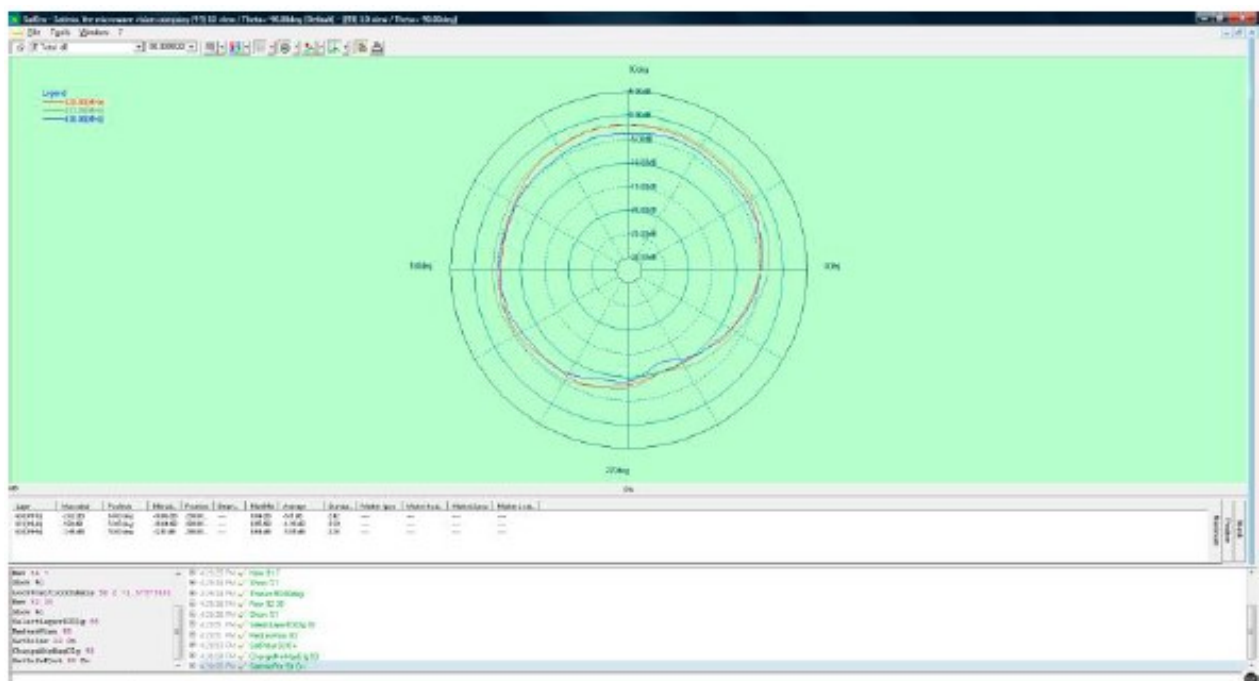
X – Z Plane



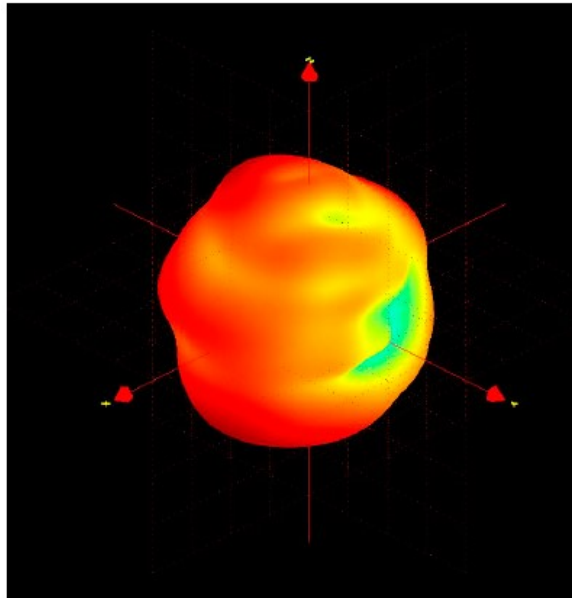
Y – Z Plane



X – Y Plane



■ 3D Radiation Pattern



Frequency (MHz)	428	433	438
Avg. Gain (dBi)	-5.55	-4.84	-6.37
Peak Gain (dBi)	-1.85	-1.72	-1.93
Efficiency (%)	33	35	33

■ APPROVAL

RALTRON	
DRAWN BY:	AR, May 21, 2018
APPROVED BY:	CP, May 21, 2018
REVISION:	A, Initial Release



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