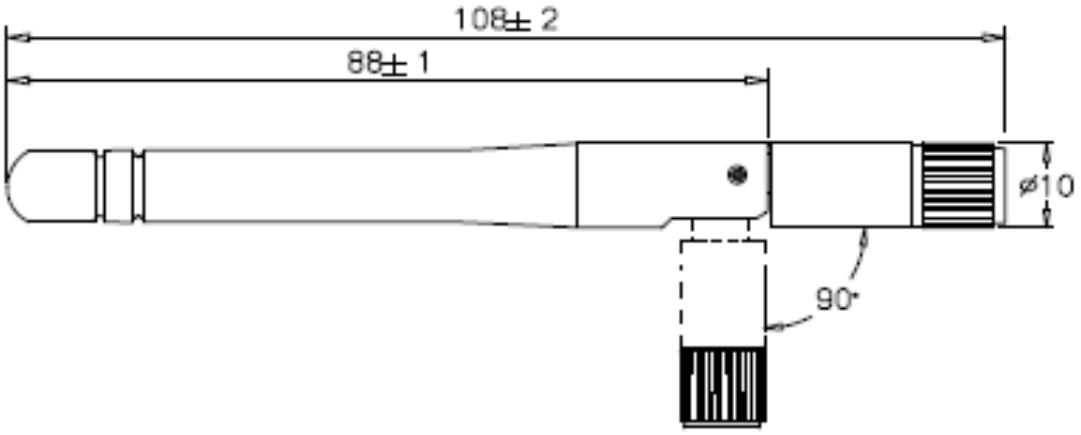
RST-MA11-10808-22M-FY-001

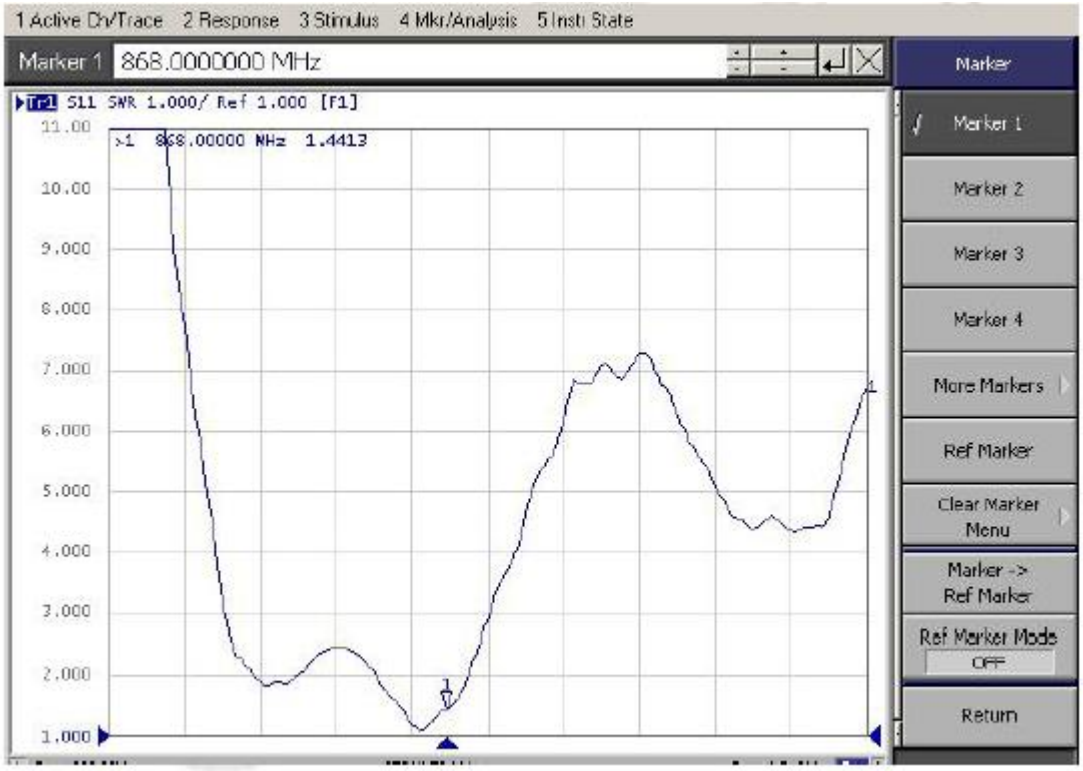
SPECIFICATION

PARAMETERS	VALUE	UNIT
Frequency	868.000	MHz
Gain	2	dBi
Impedance	50	Ω
VSWR, max	2	-
Return Loss, max	-10	dB
Polarization	Linear Vertical	-
Radiation	Omni-directional	-
Connector	SMA Male	-
Length	108 ± 2	mm
Operating Temperature Range	-40 ~ +85	˚C
Power, max	1	W

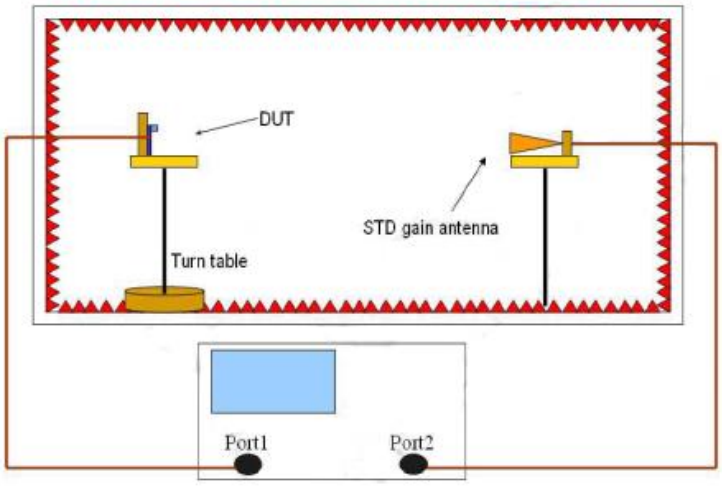
DIMENSIONS



FREQUENCY CHARACTERISTICS



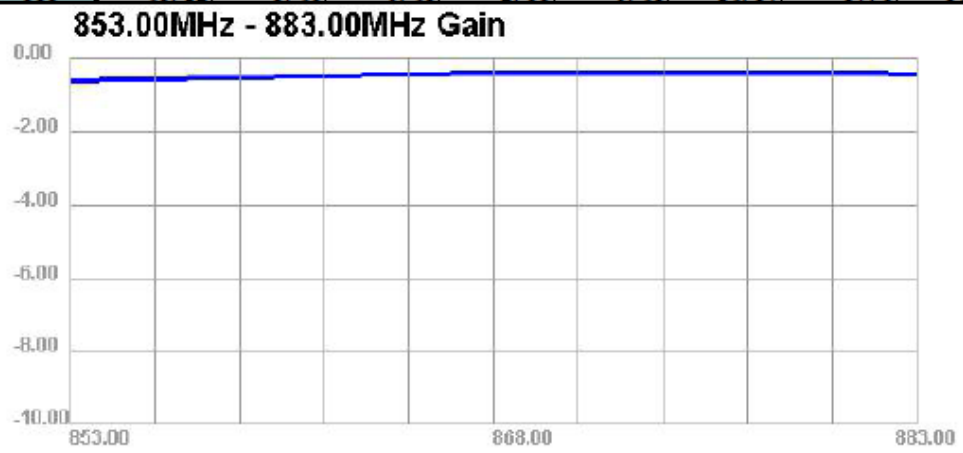
ANECHOIC CHAMBER TEST

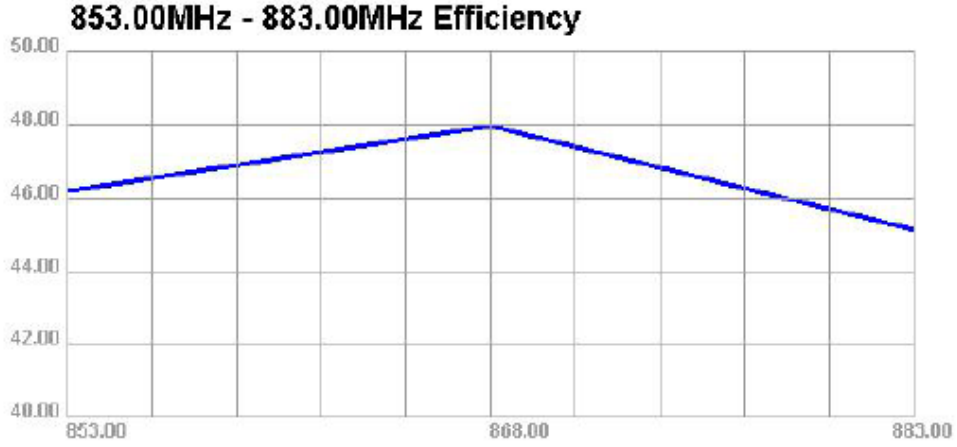


Antenna measured in Network Analyzer

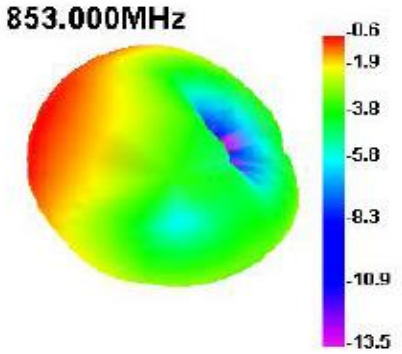
GAIN AND EFFICIENCY

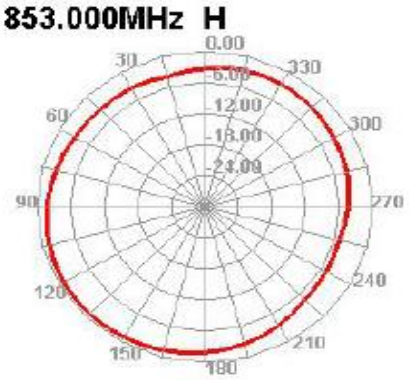
Passive Test For 868								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
853	46.18	-3.36	-0.62	-2.77	-0.62	-13.46	37.47	37.1
868	47.95	-3.19	-0.41	-2.56	-0.41	-13.46	37.6	37.19
883	45.12	-3.46	-0.43	-2.58	-0.43	-14.37	37.6	37.31

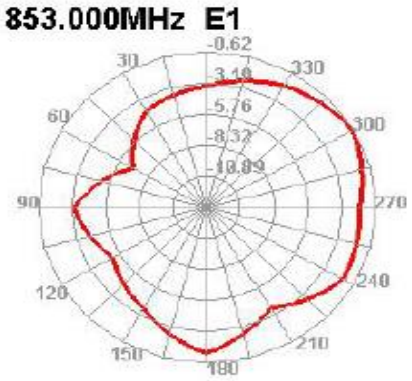


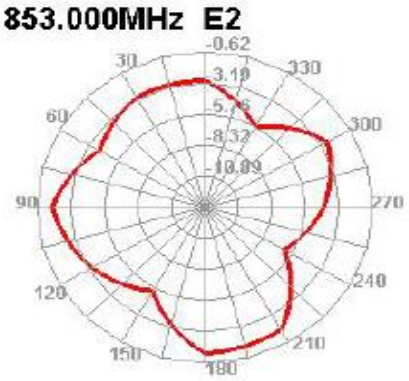


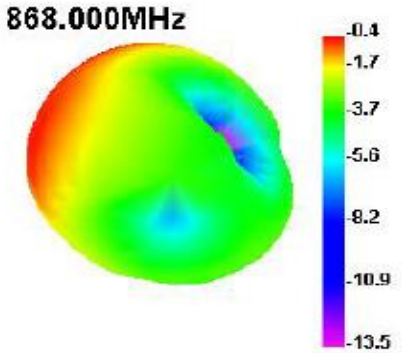
RADIATION PATTERN

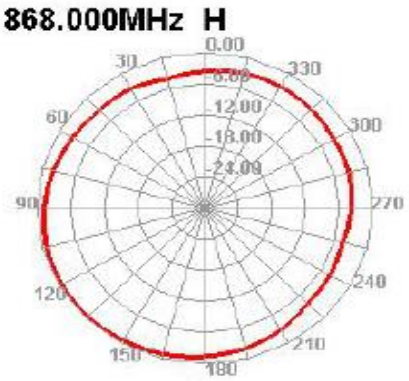


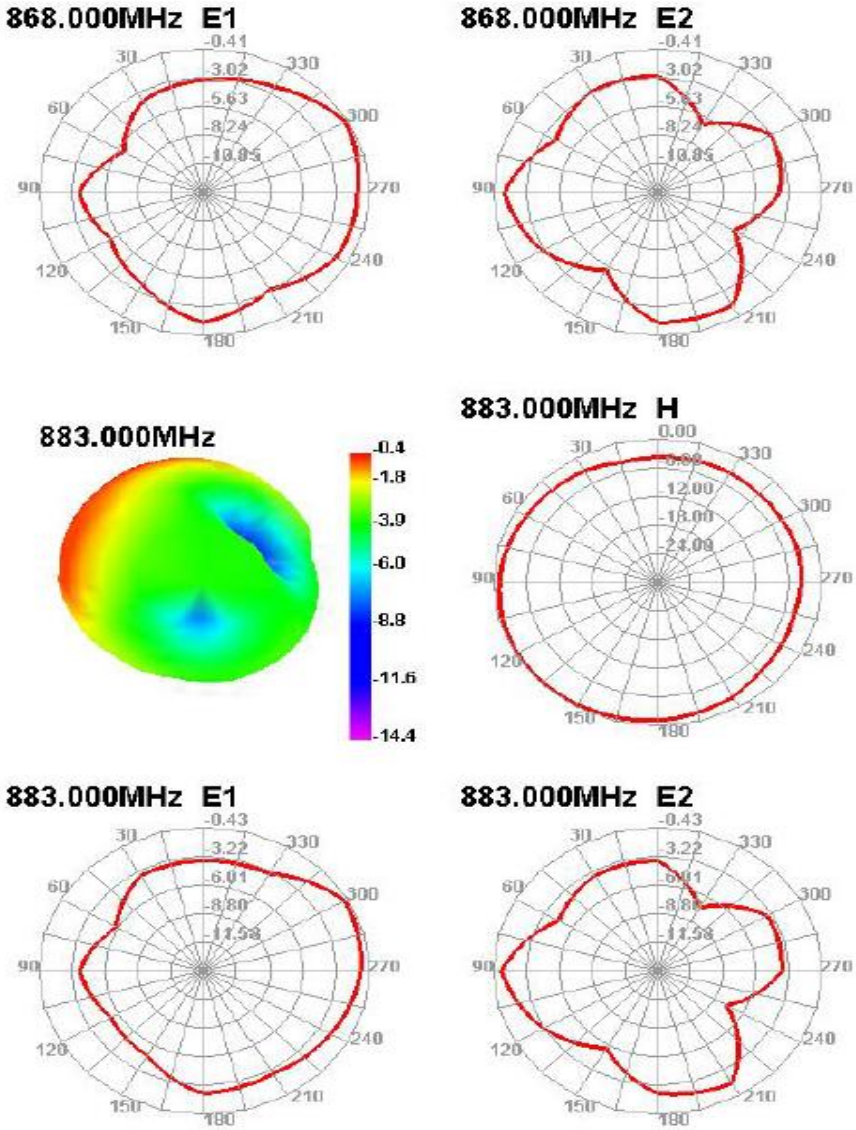












APPROVAL

RALTRON	
DRAWN BY:	AR, May 30, 2018
APPROVED BY:	CP, May 30, 2018
REVISION:	A, Initial Release