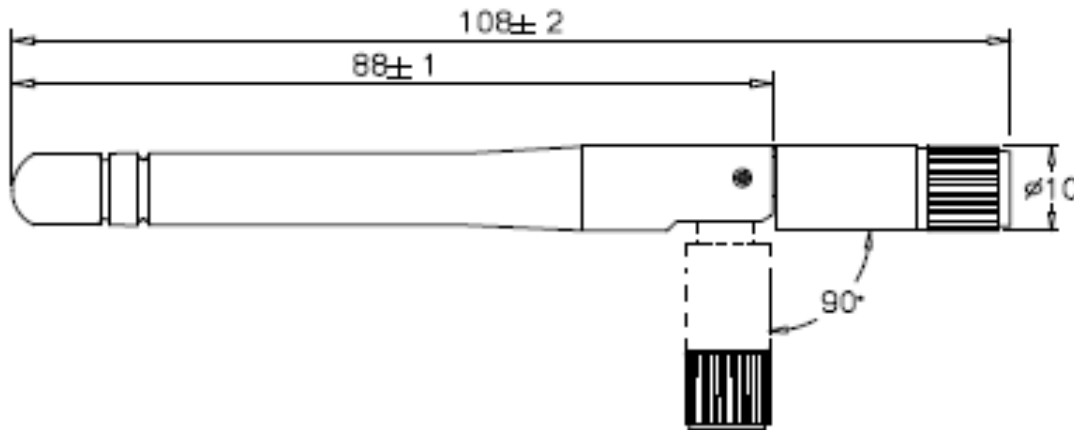


#### ■ SPECIFICATION

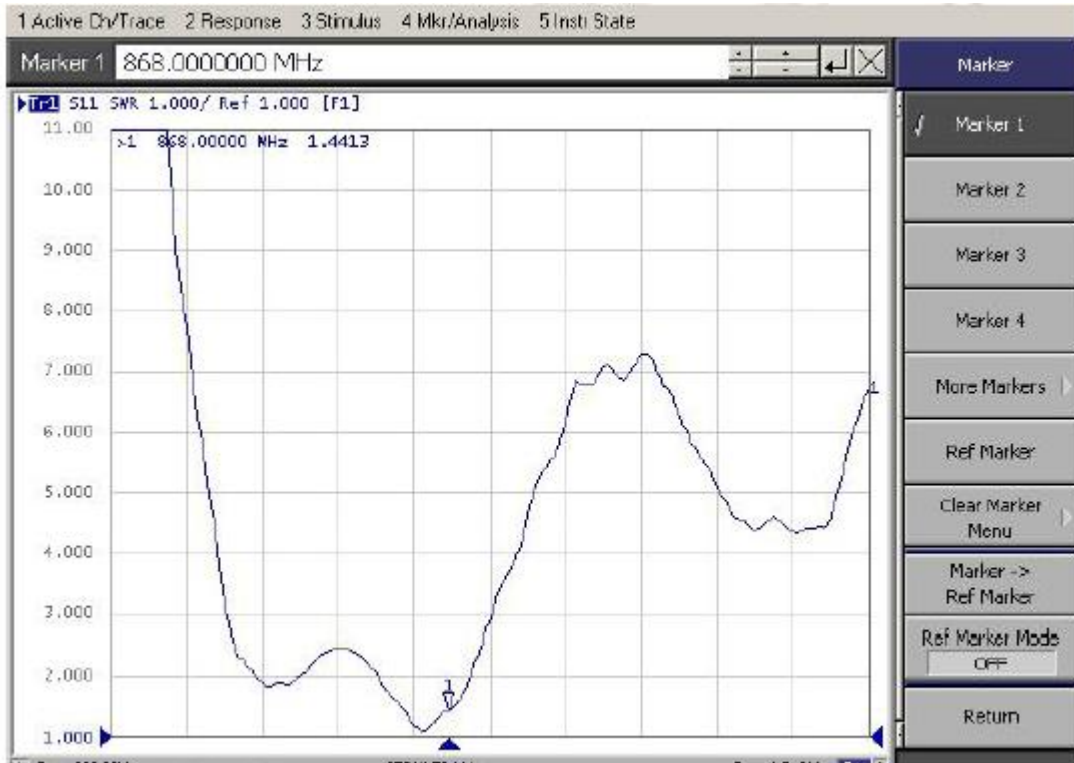
PARAMETERS	VALUE	UNIT
Frequency	868.000	MHz
Gain	2	dBi
Impedance	50	$\Omega$
VSWR, max	2	-
Return Loss, max	-10	dB
Polarization	Linear Vertical	-
Radiation	Omni-directional	-
Connector	SMA Male	-
Length	$108 \pm 2$	mm
Operating Temperature Range	-40 ~ +85	$^{\circ}\text{C}$
Power, max	1	W



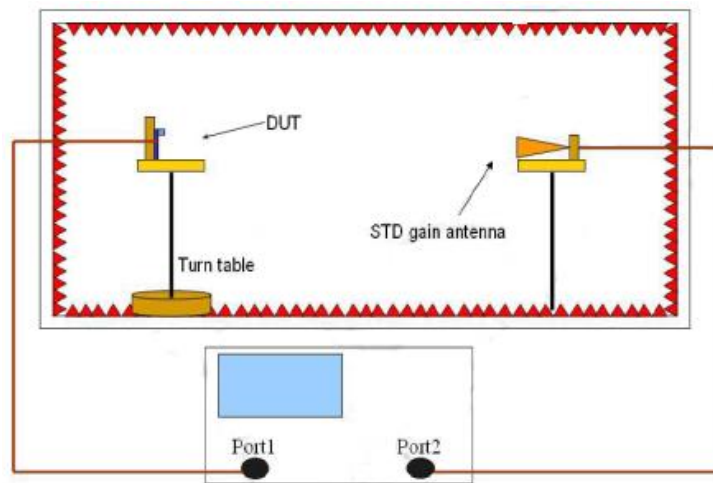
#### ■ DIMENSIONS



#### FREQUENCY CHARACTERISTICS



#### ANECHOIC CHAMBER TEST



Antenna measured in Network Analyzer

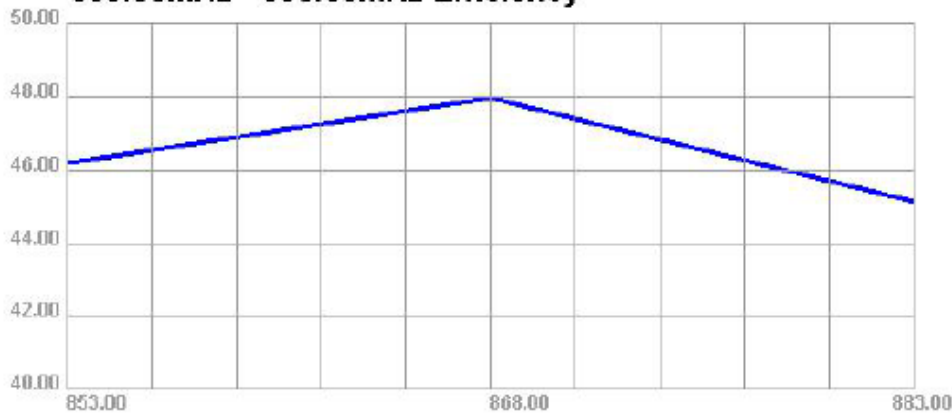
■ GAIN AND EFFICIENCY

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

853.00MHz - 883.00MHz Gain

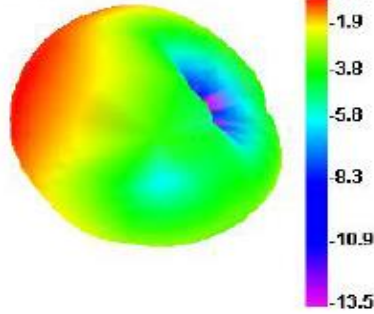


853.00MHz - 883.00MHz Efficiency

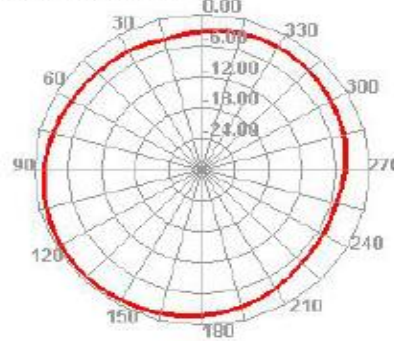


■ RADIATION PATTERN

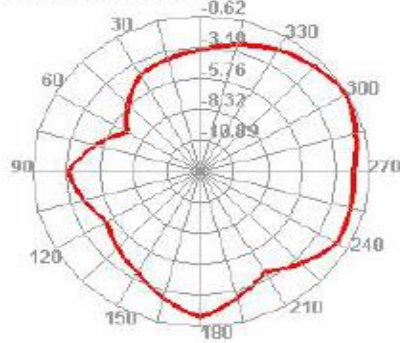
853.000MHz



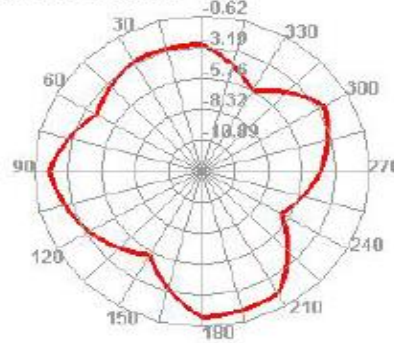
853.000MHz H



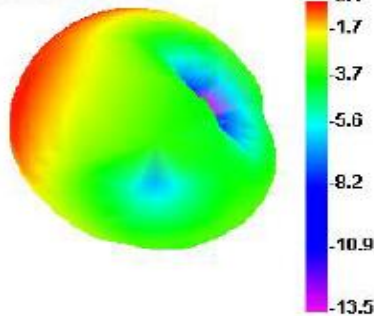
853.000MHz E1



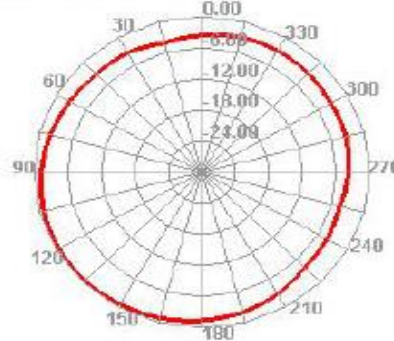
853.000MHz E2



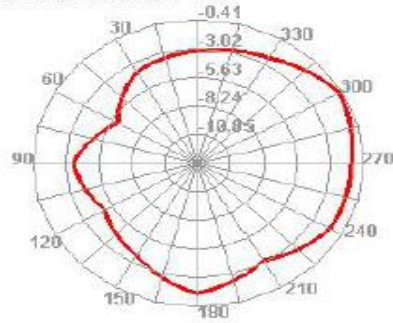
868.000MHz



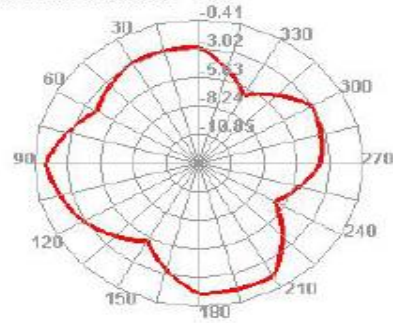
868.000MHz H



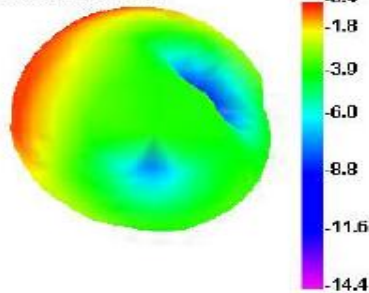
**868.000MHz E1**



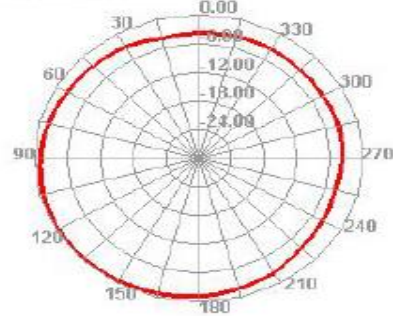
**868.000MHz E2**



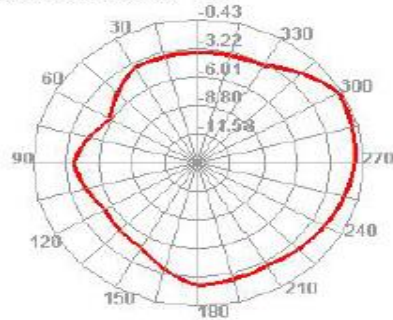
**883.000MHz**



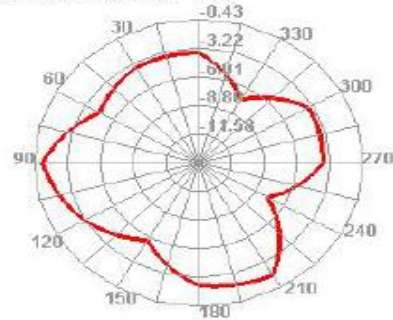
**883.000MHz H**



**883.000MHz E1**



**883.000MHz E2**



**APPROVAL**

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

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