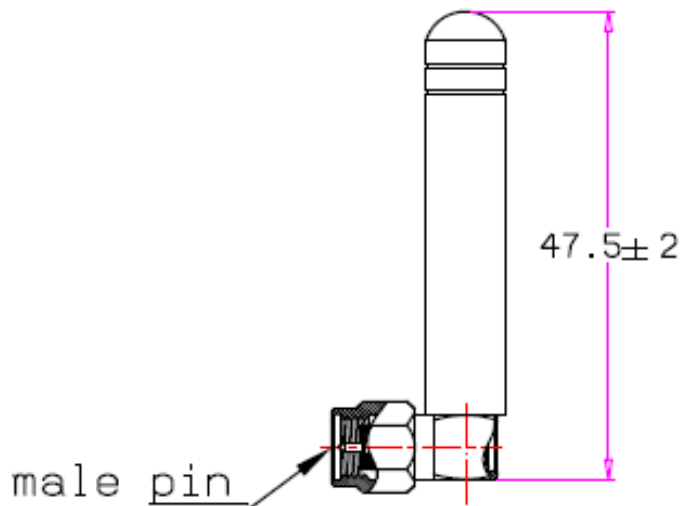


■ SPECIFICATION

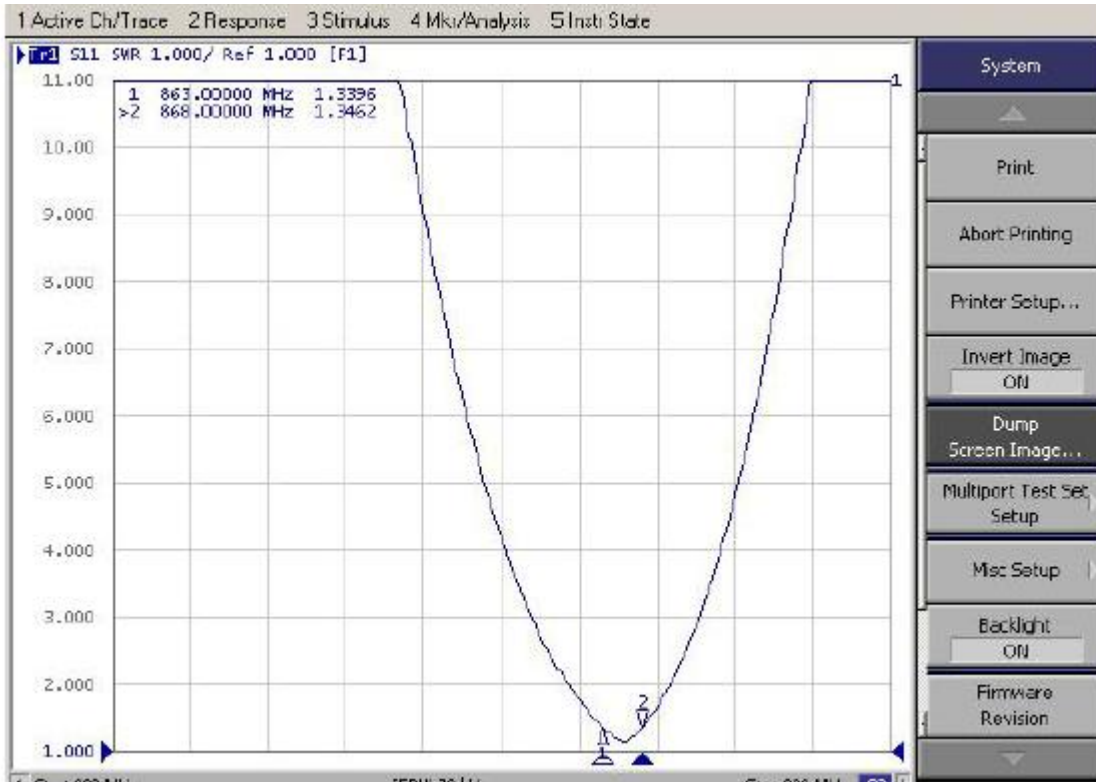
PARAMETERS	VALUE	UNIT
Center Frequency	868.000	MHz
Gain	2	dBi
Impedance	50	Ω
VSWR, max	2	-
Return Loss, max	-10	dB
Polarization	Linear Vertical	-
Radiation	Omni-directional	-
Connector	R/A SMA Male	-
Length	47.5 ± 2	mm
Operating Temperature Range	-40 ~ +85	$^{\circ}\text{C}$
Power, max	1	W



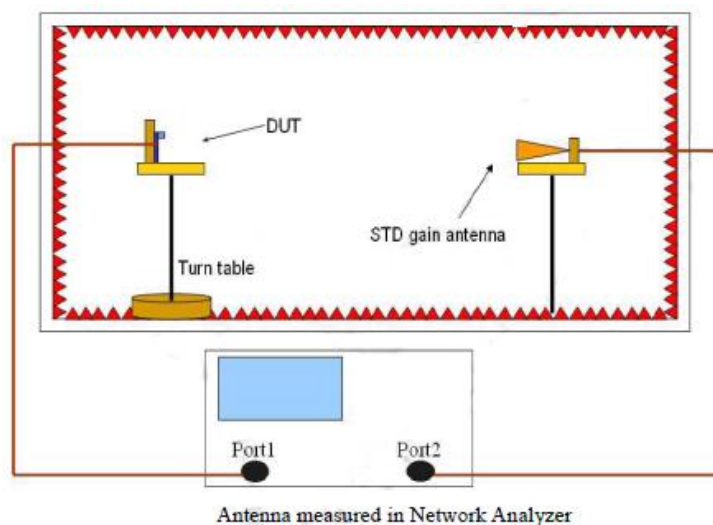
■ DIMENSIONS



FREQUENCY CHARACTERISTICS



ANECHOIC CHAMBER TEST

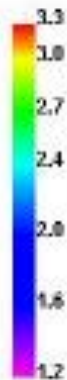
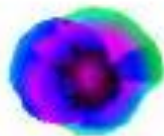


■ **GAIN AND EFFICIENCY**

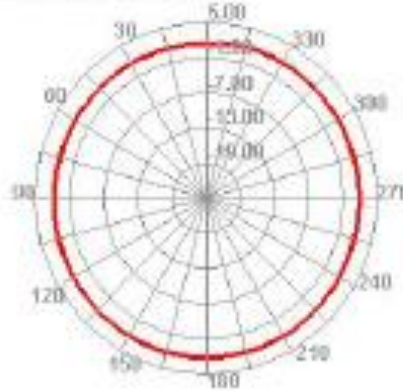
Passive Test For 863-868MHz								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
863	48.31	1.71	3.26	1.11	3.26	1.17	37.24	36.89
864	46.62	1.66	3.27	1.12	3.27	1.1	37.25	36.89
865	45.09	1.62	3.28	1.13	3.28	1	37.26	36.89
866	43.68	1.57	3.26	1.11	3.26	0.96	37.28	36.89
867	42.25	1.53	3.27	1.12	3.27	0.93	37.29	36.89
868	40.83	1.49	3.28	1.13	3.28	0.86	37.3	36.89

■ **RADIATION PATTERN**

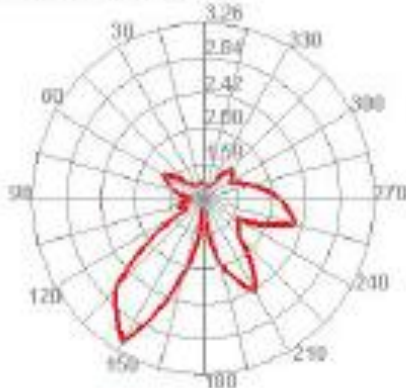
863.000MHz



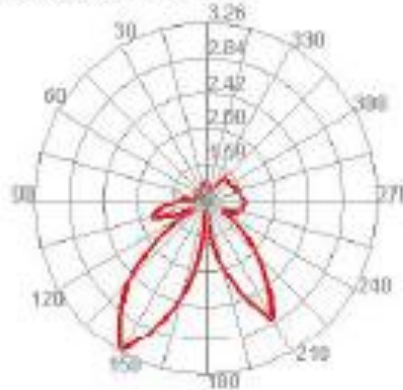
863.000MHz H



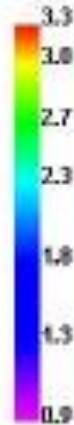
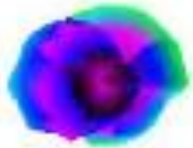
863.000MHz E1



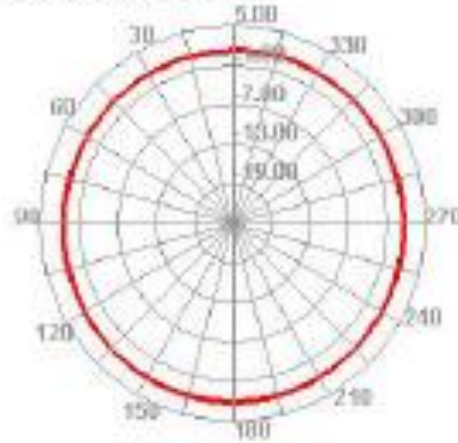
863.000MHz E2



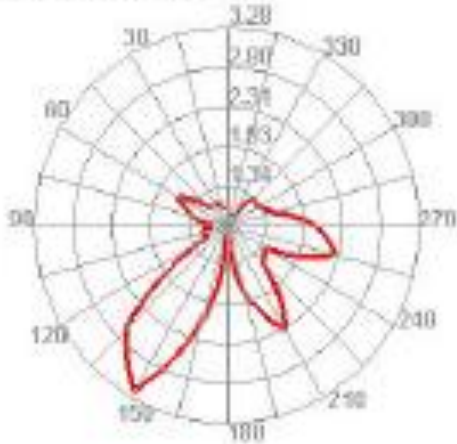
868.000MHz



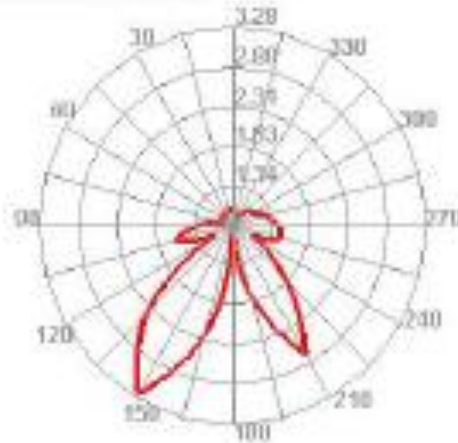
868.000MHz H



868.000MHz E1



868.000MHz E2



APPROVAL

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

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