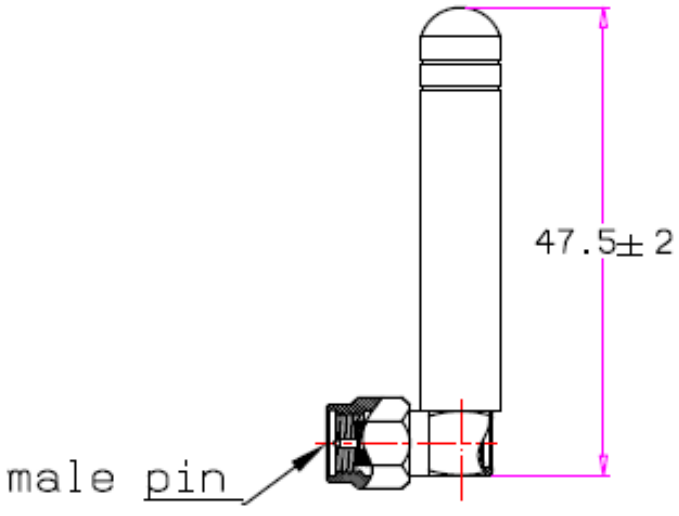
RST-MA16-5008-23M-FY-001

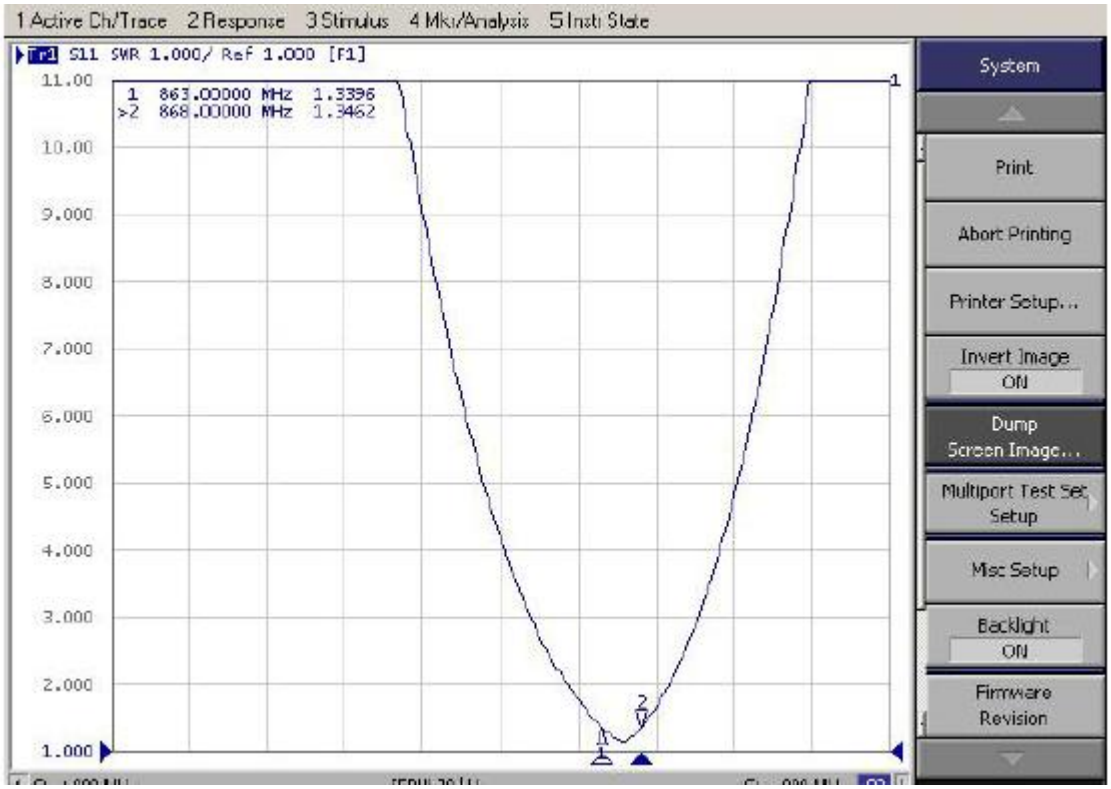
SPECIFICATION

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	˚C
Power, max	1	W

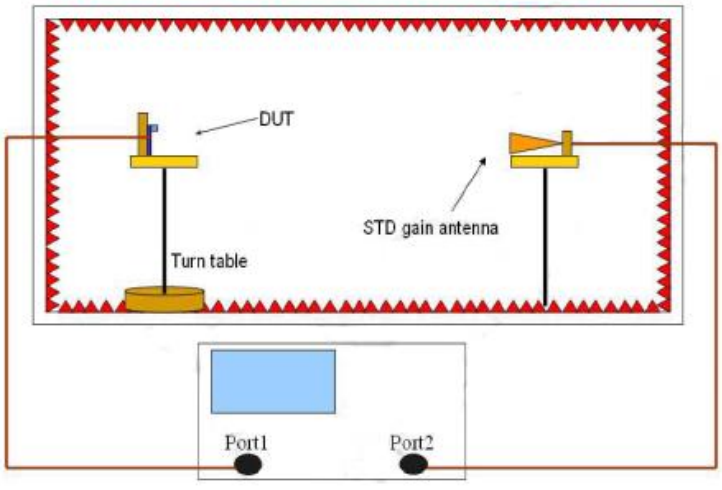
DIMENSIONS



FREQUENCY CHARACTERISTICS



ANECHOIC CHAMBER TEST

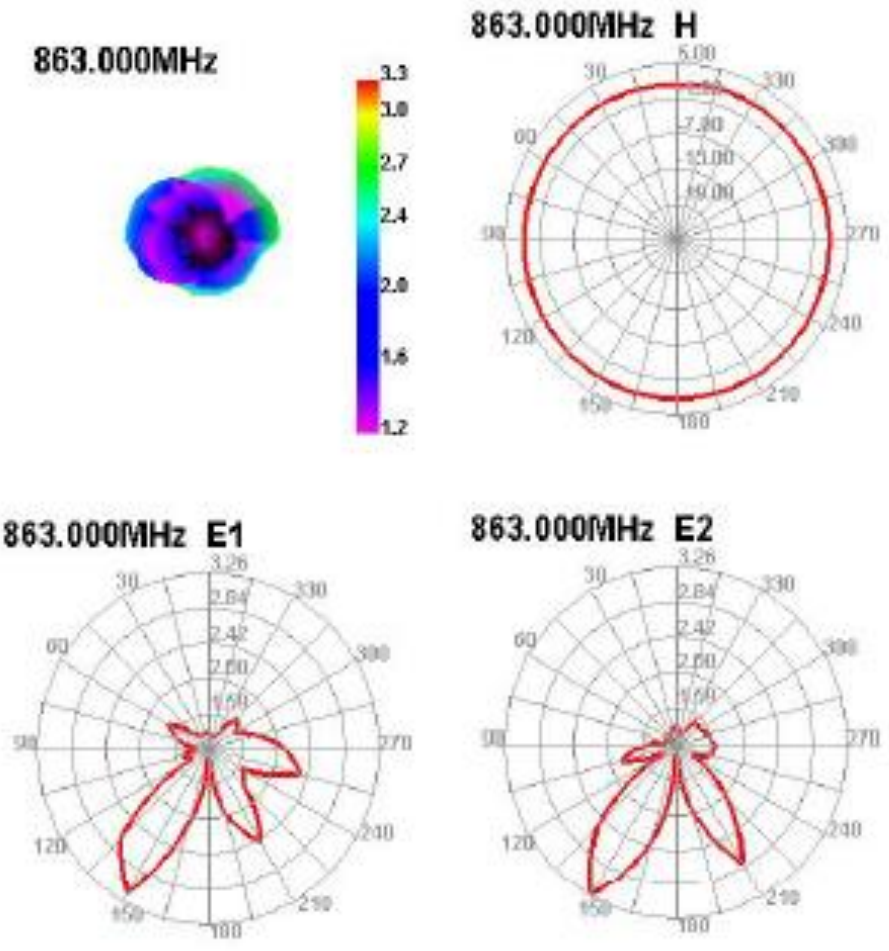


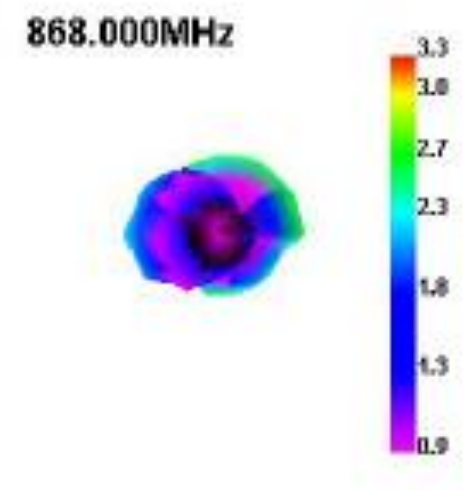
Antenna measured in Network Analyzer

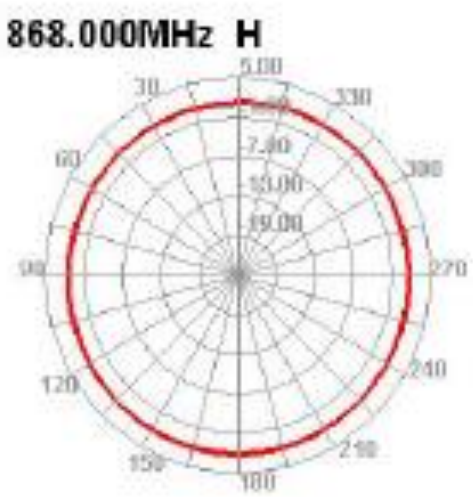
GAIN AND EFFICIENCY

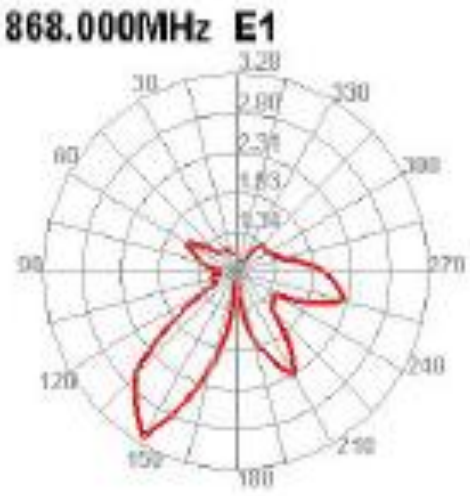
Passive Test For 863-868MHz								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
863	48.31	1.71	3.26	1.11	3.26	1.17	37.24	36.89
864	46.62	1.66	3.27	1.12	3.27	1.1	37.25	36.89
865	45.09	1.62	3.28	1.13	3.28	1	37.26	36.89
866	43.68	1.57	3.26	1.11	3.26	0.96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









APPROVAL

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