



RUBBER ANTENNA RRST-MA16-5008-23M-FY-001



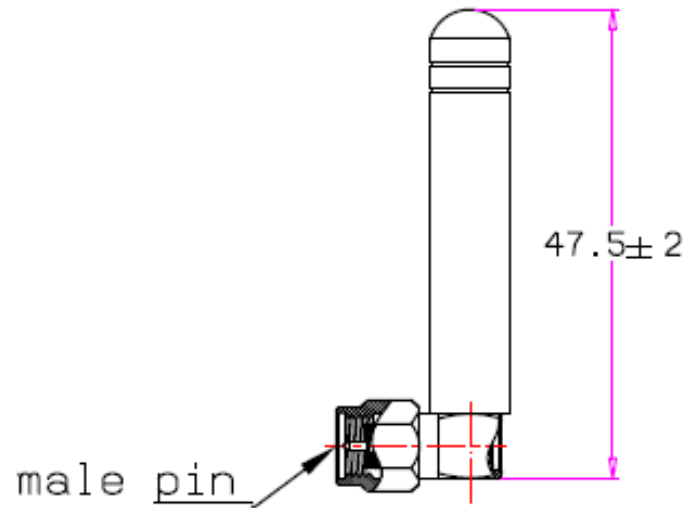
■ SPECIFICATION

| PARAMETERS | VALUE |
|-----------------------------|------------------|
| Center Frequency | 868 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 \pm 2 mm |
| Operating Temperature Range | -40 ~ +85°C |
| Power, max | 1 W |



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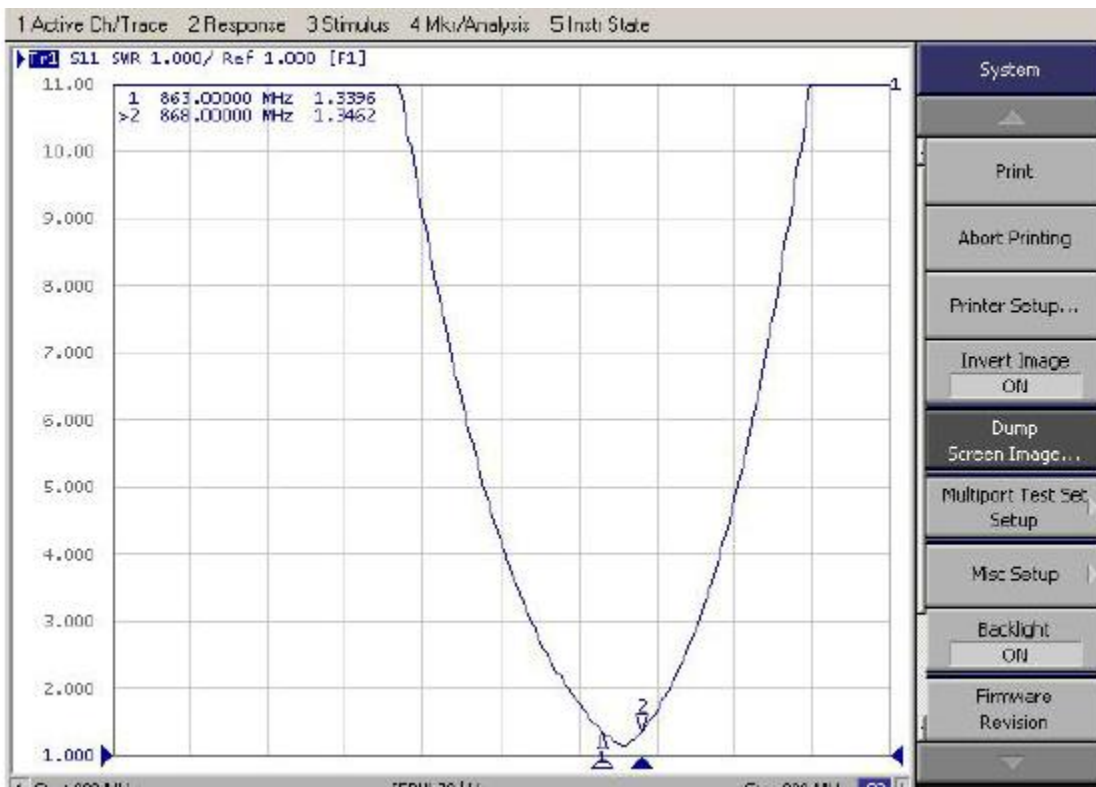
■ MECHANICAL SPECIFICATION





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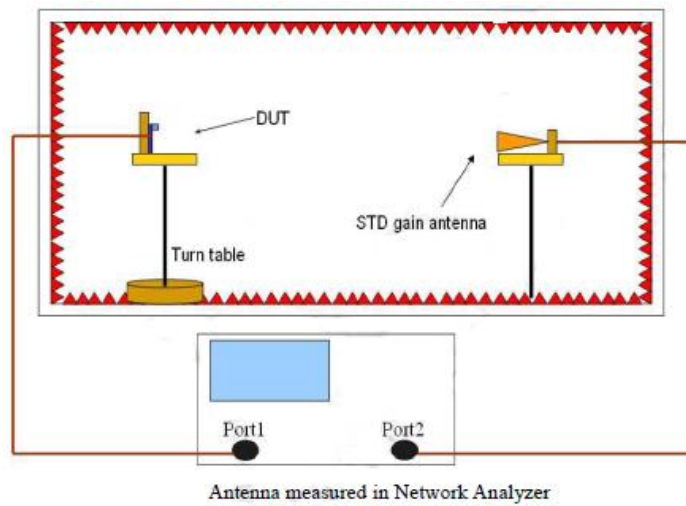
FREQUENCY CHARACTERISTICS





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■ ANECHOIC CHAMBER TEST



■ GAIN AND EFFICIENCY

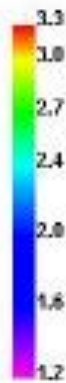
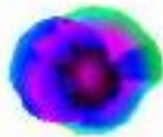
| Passive Test For 863-868MHz | | | | | | | | |
|-----------------------------|----------|-----------|------------|------------|----------|----------|-------------|-------------|
| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | Max (dB) | Min (dB) | Attenut Hor | Attenut Ver |
| 863 | 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 |



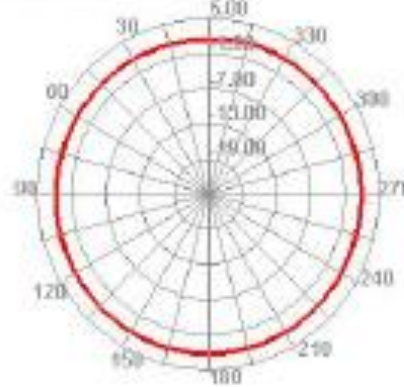
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■ RADIATION PATTERN

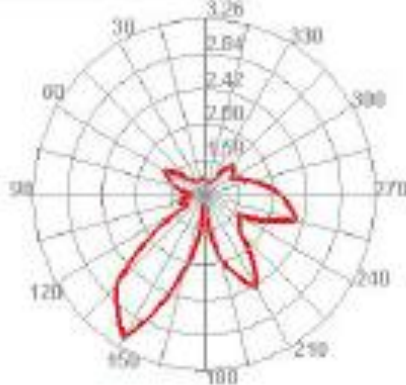
863.000MHz



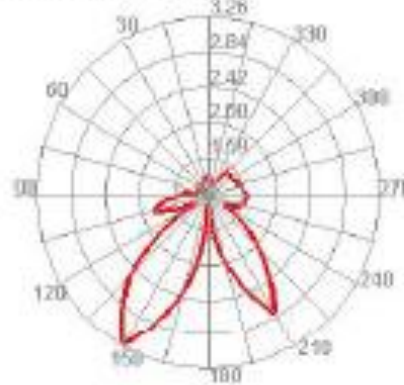
863.000MHz H



863.000MHz E1



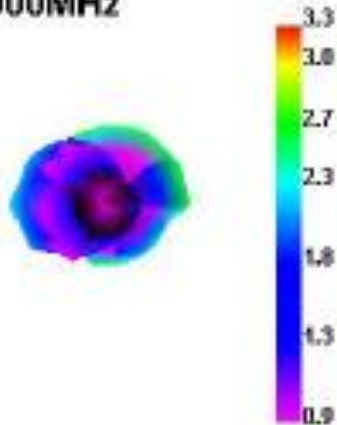
863.000MHz E2



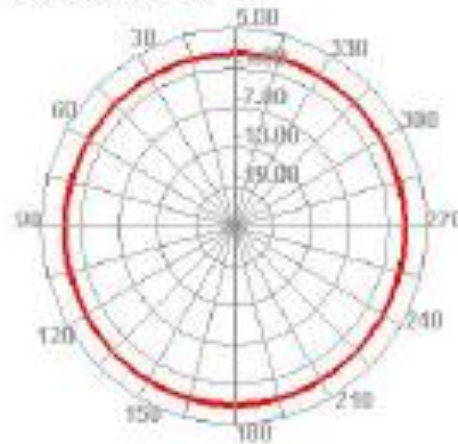


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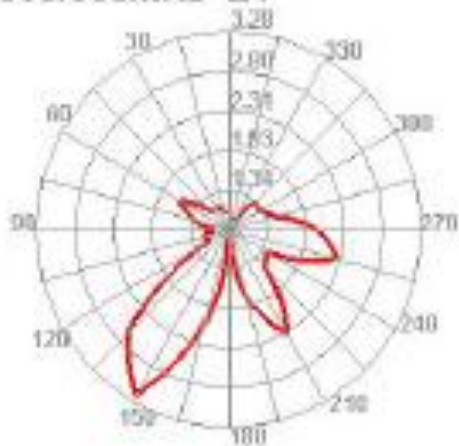
868.000MHz



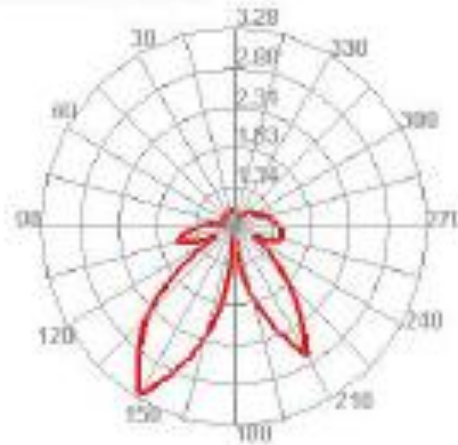
868.000MHz H



868.000MHz E1



868.000MHz E2



■ APPROVAL

| RS PRO | |
|--------------|--------------------|
| DRAWN BY: | AR, May 30, 2018 |
| APPROVED BY: | CP, May 30, 2018 |
| REVISION: | A, Initial Release |