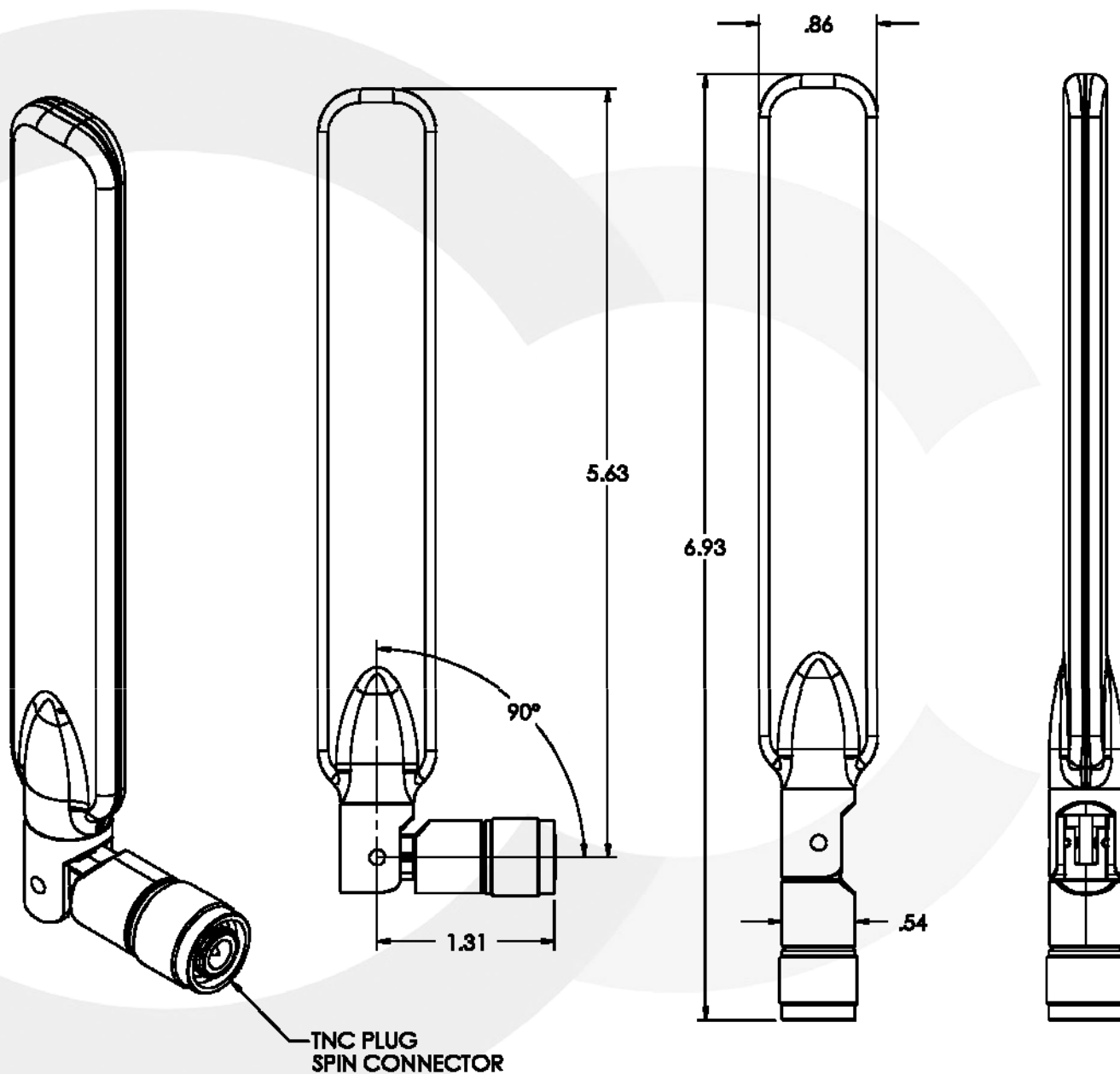


**DUAL BAND DIPOLE 824-896/1850-1990MHz**

**TNC SPIN CONNECTOR**

**SPDA17850/1900**

Series : ANTENNA



All dimensions are in inches

Issue : 0710

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**DUAL BAND DIPOLE 824-896/1850-1990MHz**
**TNC SPIN CONNECTOR**
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Series : ANTENNA

### ELECTRICAL SPECIFICATIONS

|                            |                              |
|----------------------------|------------------------------|
| Frequency :.....           | <b>806-925/1800-2170 MHz</b> |
| Nominal Impedance :.....   | <b>50 Ω</b>                  |
| VSWR :.....                | <b>2:1 Max</b>               |
| Gain (806,925) :.....      | <b>0 dBi ± .5 dB</b>         |
| Gain (825-900) :.....      | <b>1.5 dBi ± .5 dB</b>       |
| Gain (1800-2170) :.....    | <b>1.5 dBi ± .5 dB</b>       |
| Radiation Pattern          |                              |
| -3 dB beamwidth            |                              |
| Horizontal Plane :         | <b>Omni</b>                  |
| Vertical Plane (806-900) : | <b>90 ° ± 2 °</b>            |
| Vertical Plane (925) :     | <b>82 ° ± 2 °</b>            |
| Vertical Plane (1800) :    | <b>110 ° ± 2 °</b>           |
| Vertical Plane (1900) :    | <b>90 ° ± 2 °</b>            |
| Vertical Plane (2000) :    | <b>77 ° ± 2 °</b>            |
| Vertical Plane (2100) :    | <b>71 ° ± 2 °</b>            |
| Vertical Plane (2170) :    | <b>62 ° ± 2 °</b>            |
| Polarization :.....        | <b>Vertical</b>              |
| Power withstanding :.....  | <b>3 W</b>                   |
| Connector type :.....      | <b>TNC</b>                   |

### MECHANICAL SPECIFICATIONS

|                        |                                  |
|------------------------|----------------------------------|
| Plastic radome :.....  | <b>Bayblend FR 2010 (PC+ABS)</b> |
| Flammability :.....    | <b>UL94 V-0</b>                  |
| Color :.....           | <b>Black</b>                     |
| Weight :.....          | <b>36 g</b>                      |
| Overall length : ..... | <b>6.74 INCHES</b>               |

### ENVIRONMENTAL SPECIFICATIONS

|                              |                       |
|------------------------------|-----------------------|
| Operating temperature :..... | <b>-30 to +70 ° C</b> |
|------------------------------|-----------------------|

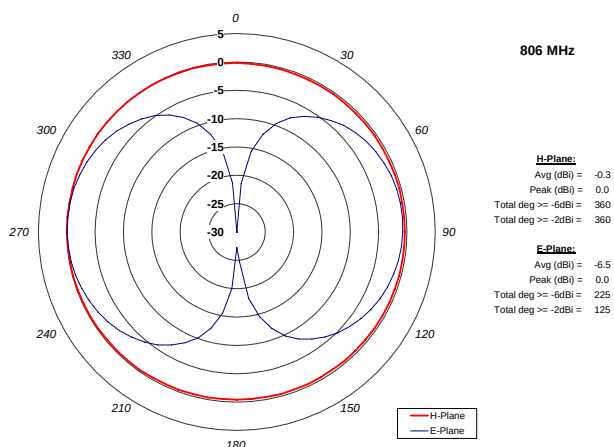
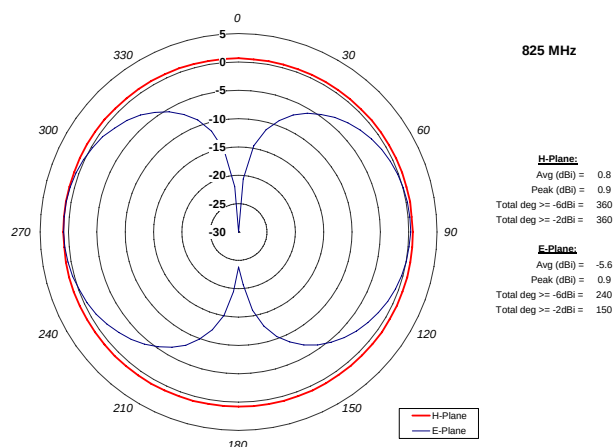
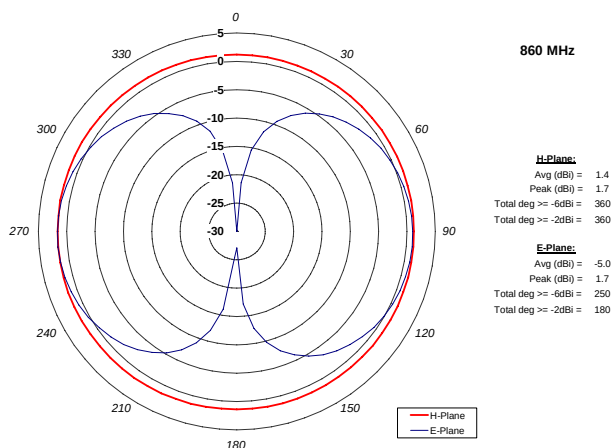
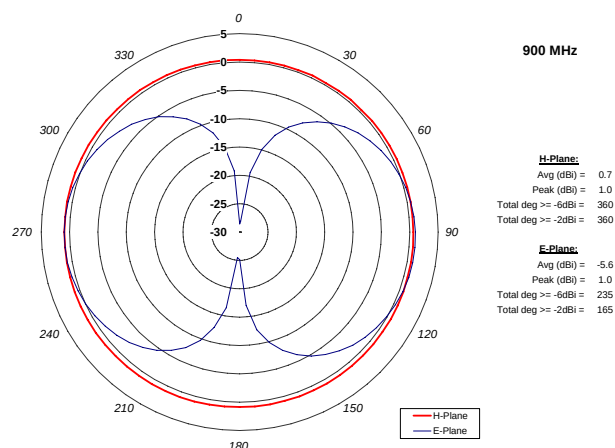
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**CURVES**
**H & E plane 806**

**H & E plane 825**

**H & E plane 860**

**H & E plane 900**


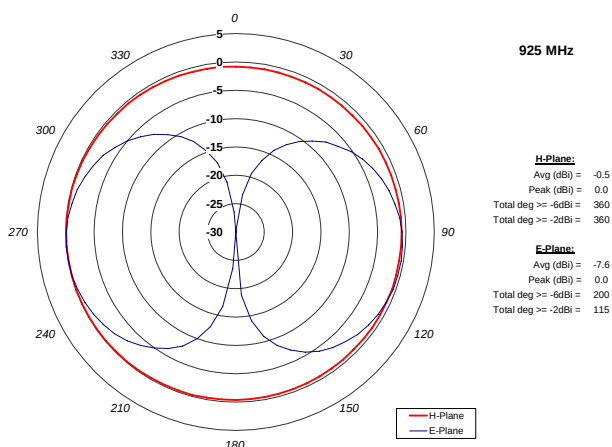
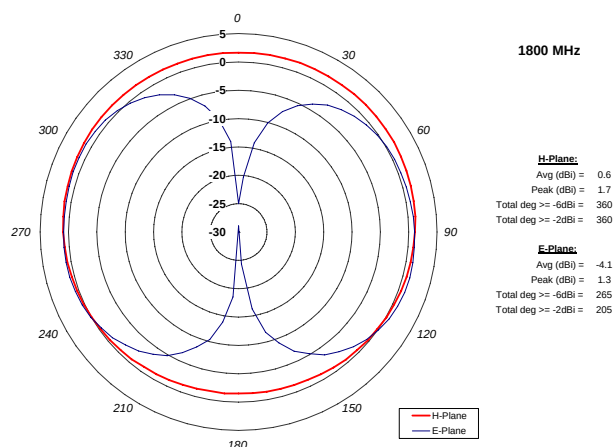
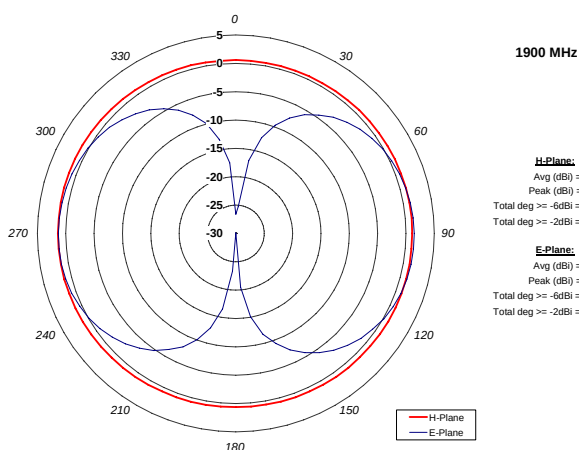
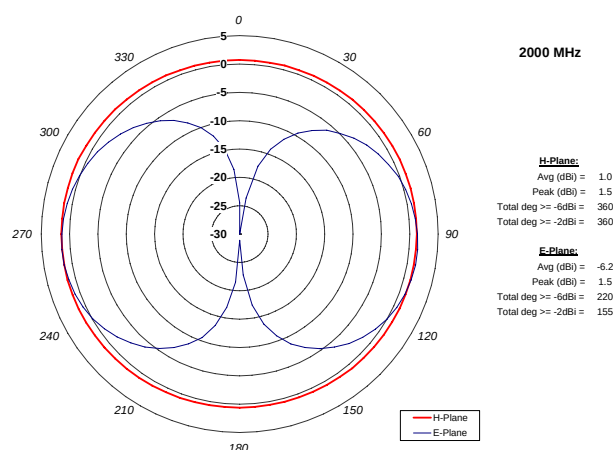
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**CURVES**
**H & E plane 925**

**H & E plane 1800**

**H & E plane 1900**

**H & E plane 2000**


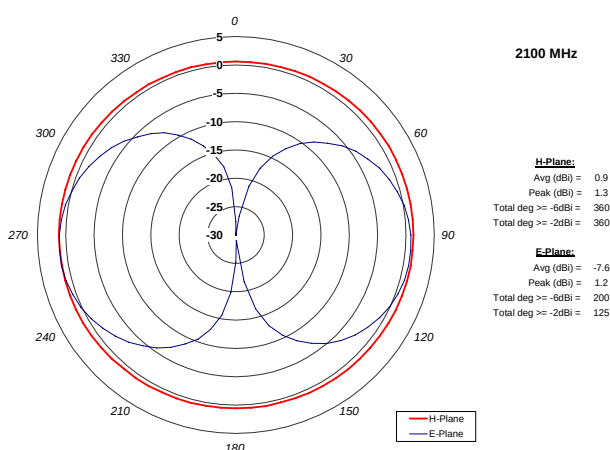
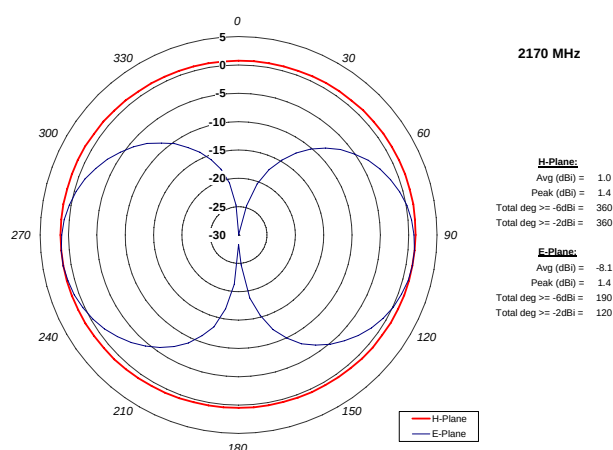
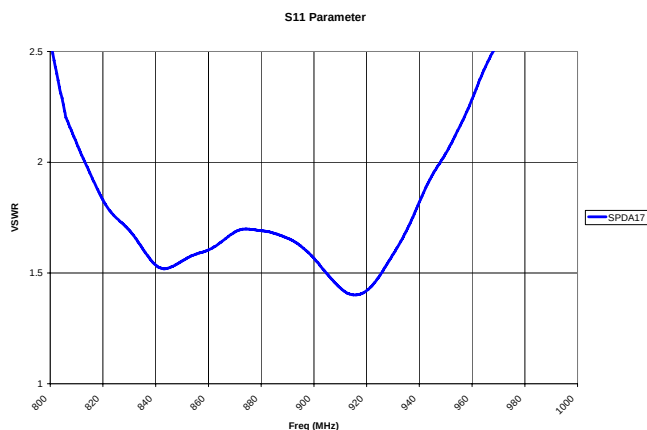
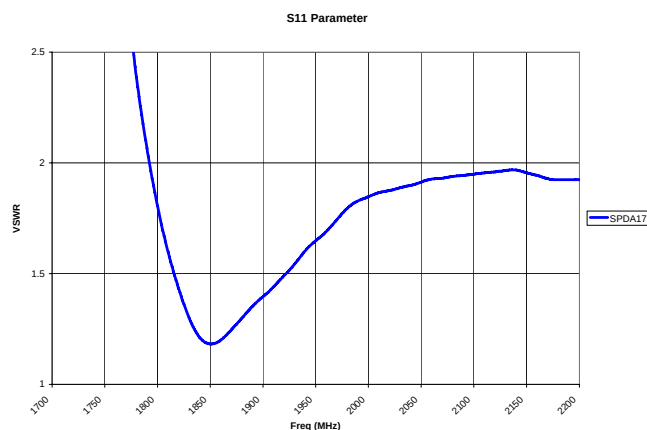
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**SPDA17850/1900**

Series : ANTENNA

**CURVES**
**H & E plane 2100**

**H & E plane 2170**

**VSWR**

**VSWR**


Issue : 0710

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