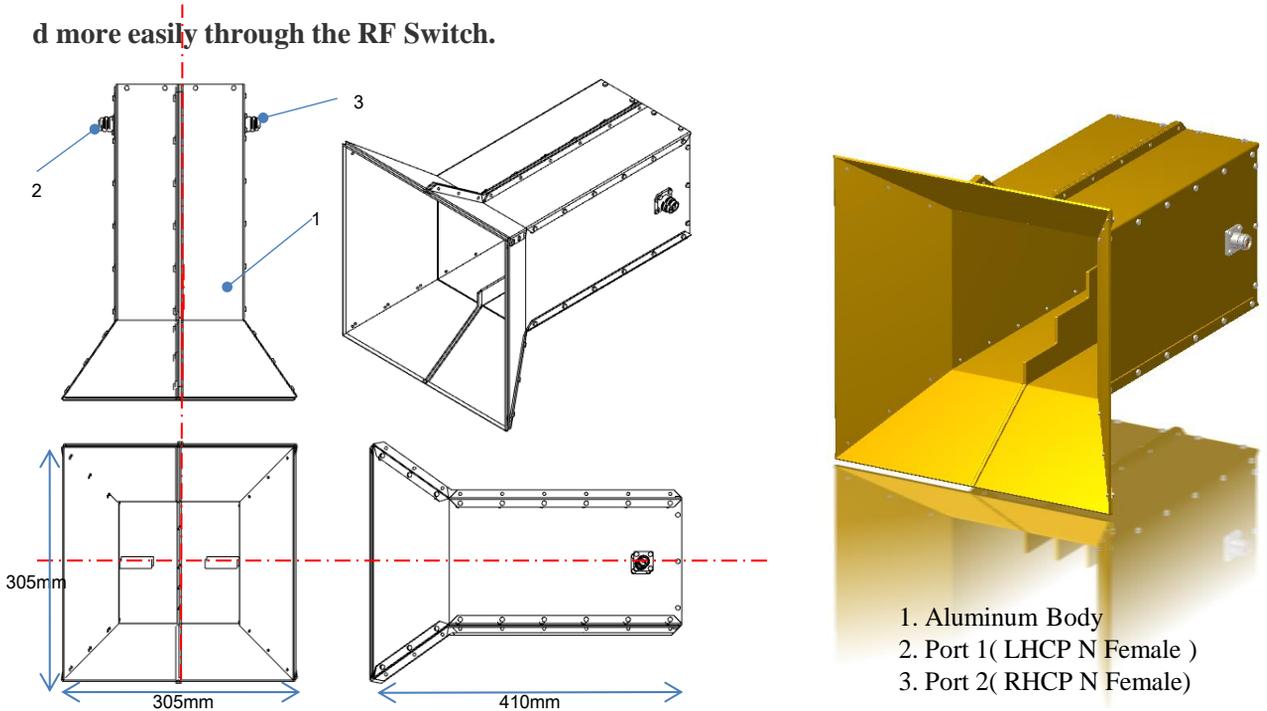


The DPHA series is a dual-polarization antenna specialized for the corresponding service. It consists of two ports, and LHCP and RHCP polarization are provided depending on the input port. This can be used more easily through the RF Switch.



■ Electrical/Physical Characteristics

| Category | Item | Specification | Unit | Conditions | |
|------------|-----------------------|-----------------|----------|--------------------|-------|
| Electrical | Frequency | 1.165 ~ 1.610 | GHz typ. | | |
| | Bandwidth | ≒ 30 | % | @Center Frequency | |
| | Half Power Beam Width | E-plane | 45 | ° | @Deg. |
| | | H-Plane | 45 | | |
| | Impedance | 50 | Ω | | |
| | Input Power | 50 | W | @Max. | |
| | Polarization | LHCP & RHCP | | | |
| | VSWR | ≤ 2.0 | | | |
| | Axial Ratio | ≒ 3 | dB | @Min. | |
| Gain | 13 ± 1 | dBic | | | |
| Physical | Dimension | 305 × 305 × 410 | mm | @ L × W × H | |
| | Weight | ≤ 5 | Kg | @except mount bolt | |
| | Port | N Female | type | @ 2 Port | |

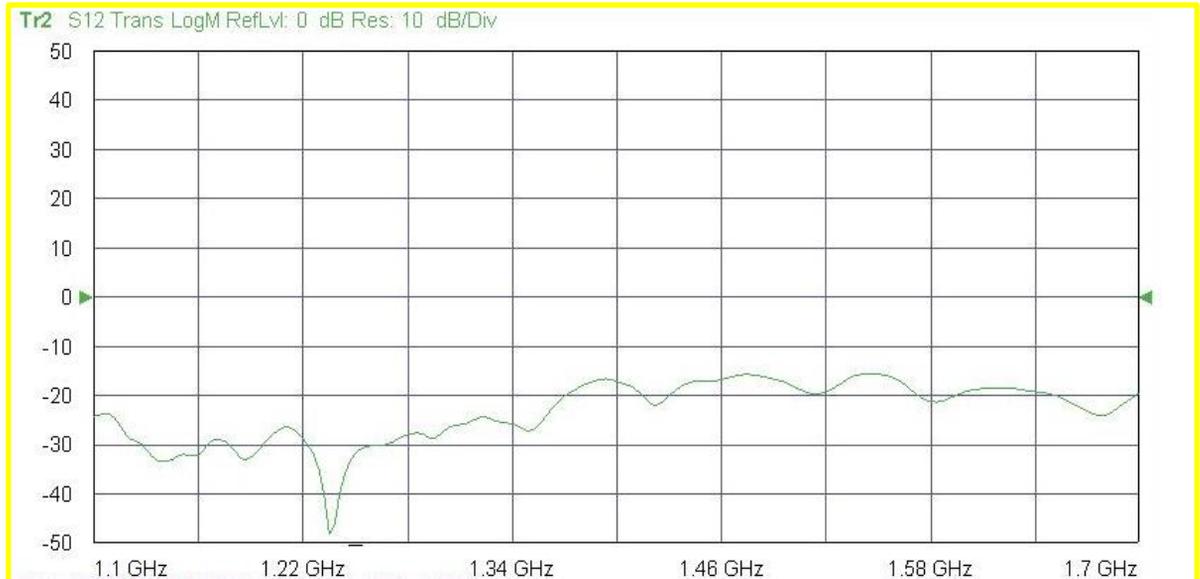
■ VSWR

Tr1 S11 Refl SWR RefLvl: 1 U.Res: 200 mU/Div

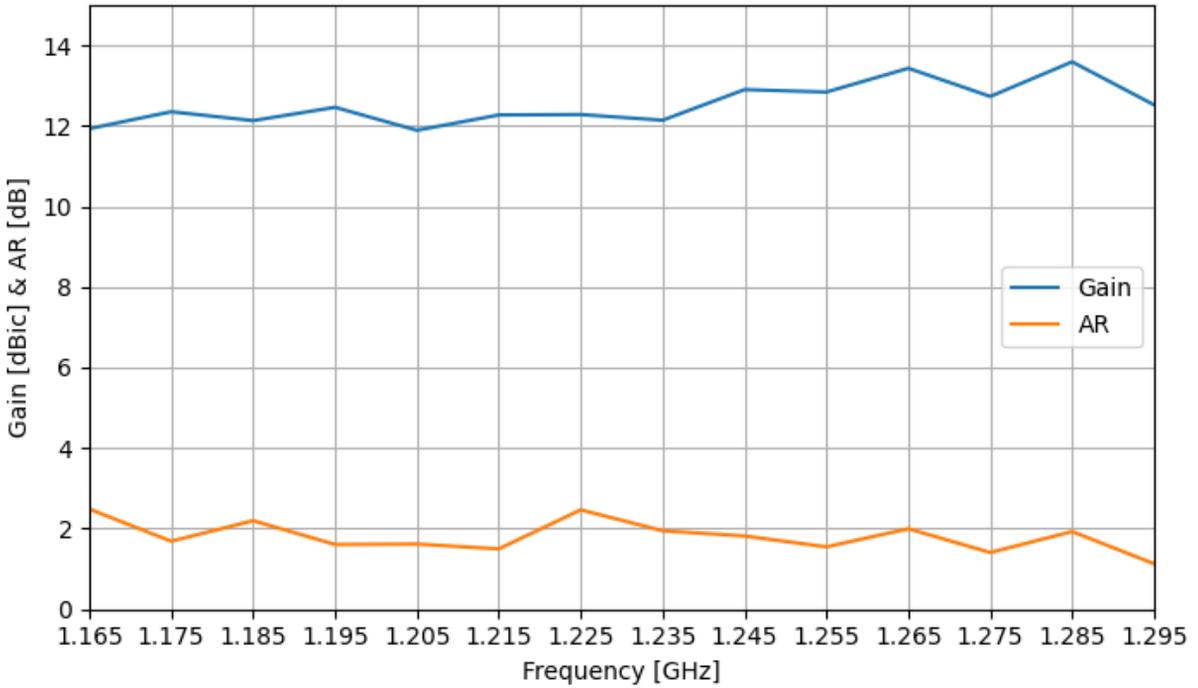


■ Isolation

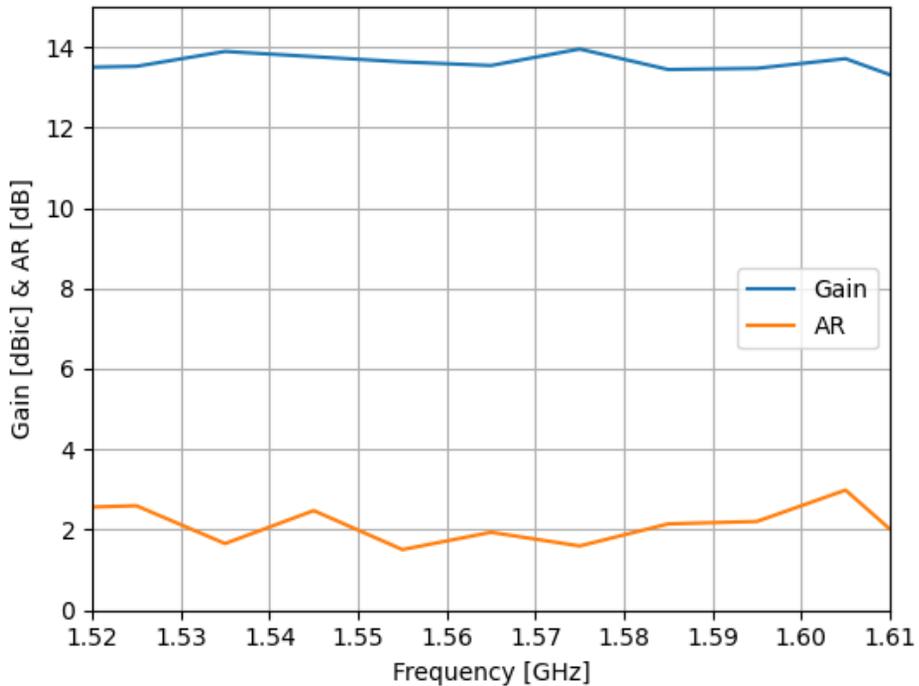
Tr2 S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



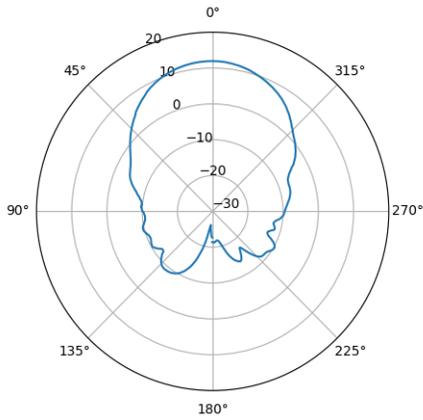
■ Gain – Low Band



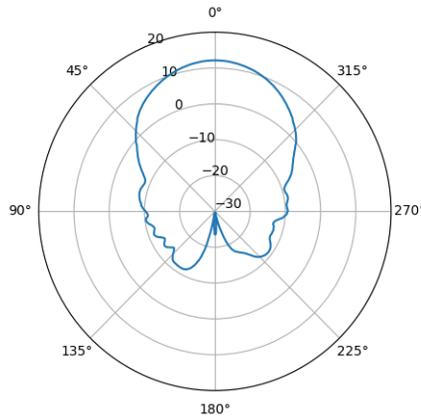
■ Gain – High Band



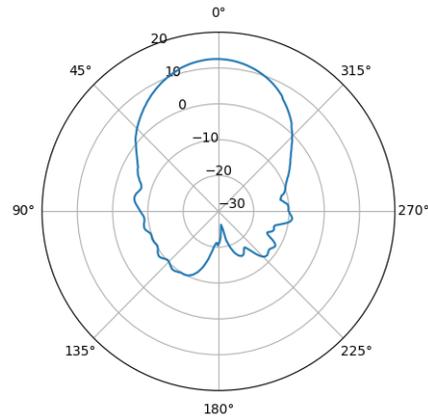
■ Radiation Patterns – RHCP



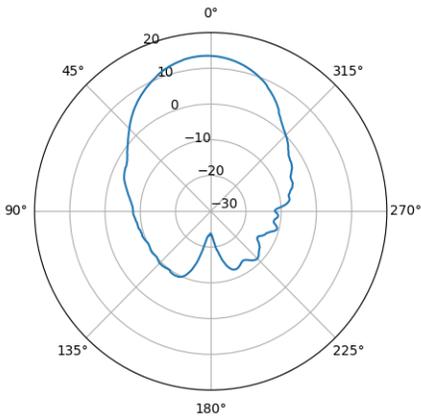
1165 MHz



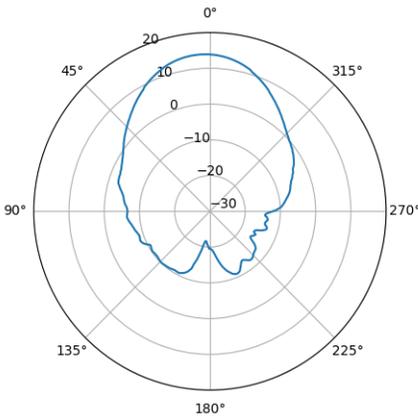
1235 MHz



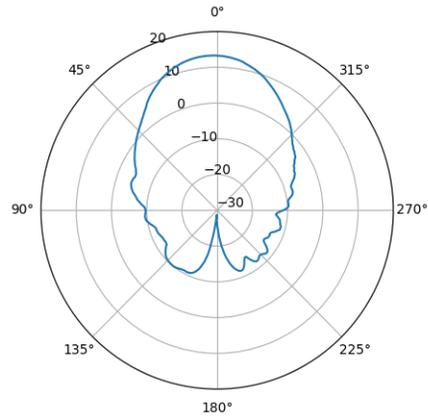
1295 MHz



1525 MHz

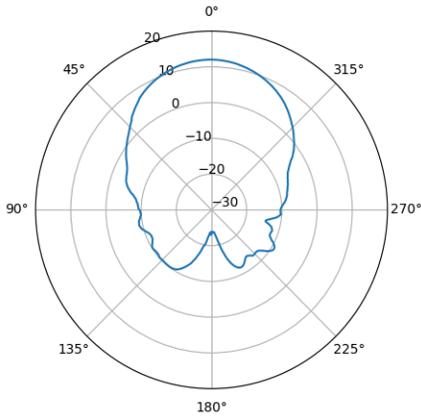


1575 MHz

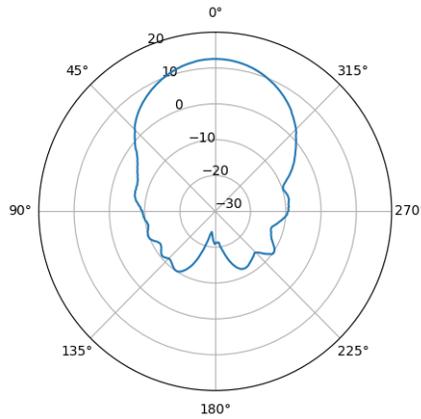


1610 MHz

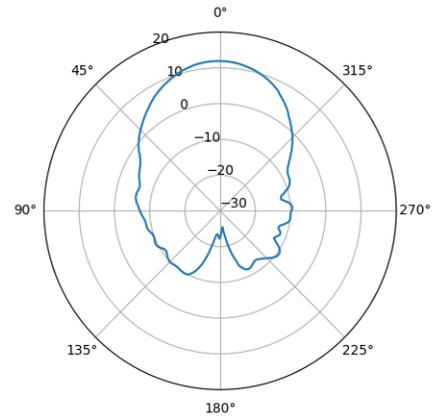
■ Radiation Patterns – LHCP



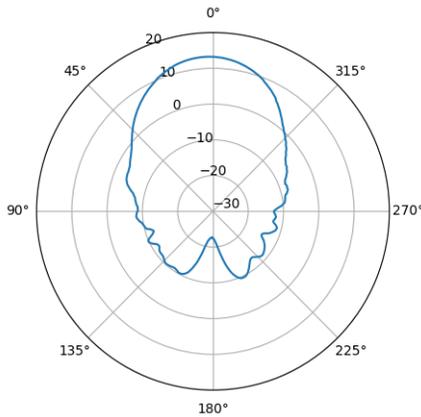
1165 MHz



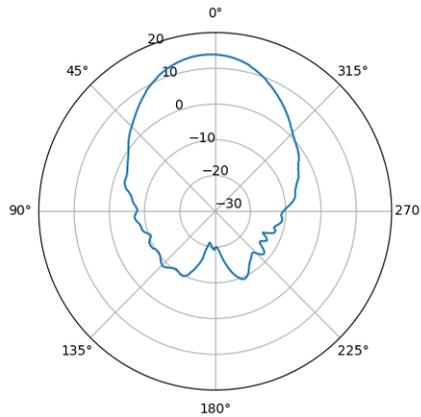
1235 MHz



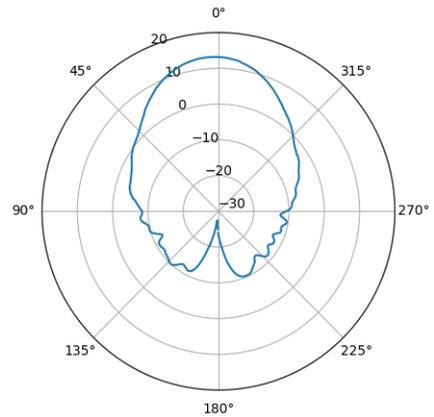
1295 MHz



1525 MHz



1575 MHz



1610 MHz