



*Conical Dual Polarized Horn Antenna
12 dBi Typ. Gain, 0.8-18 GHz Frequency Range*

Conical Dual Polarized Horn Antenna Data Sheet

RM-CDPHA0818-12

Features

- Coaxial Adapter for RF Inputs
- Lens Antenna
- Broadband Operation
- Low VSWR

Descriptions

RF MISO's **Model RM-CDPHA0818-12** is a dual polarized lens horn antenna that operates from 0.8 to 18GHz, The antenna offers 12 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna RF ports are SMA-KFD connector. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

| RM-CDPHA0818-12 | | |
|----------------------|------------------------|-------|
| Parameters | Typical | Units |
| Frequency Range | 0.8-18 | GHz |
| Gain | 12 Typ. | dBi |
| VSWR | 1.5 Typ. | |
| Polarization | Dual Linear | |
| Cross Pol.Isolation | 25 | dB |
| Port Isolation | 30 | dB |
| Connector | SMA-KFD | |
| Material | Al | |
| Finishing | Paint Black | |
| Size | 295* Φ 198(L*W*H) | mm |
| Weight | 2.6 | kg |
| Power Handling,CW | 50 | W |
| Power Handling, Peak | 100 | W |

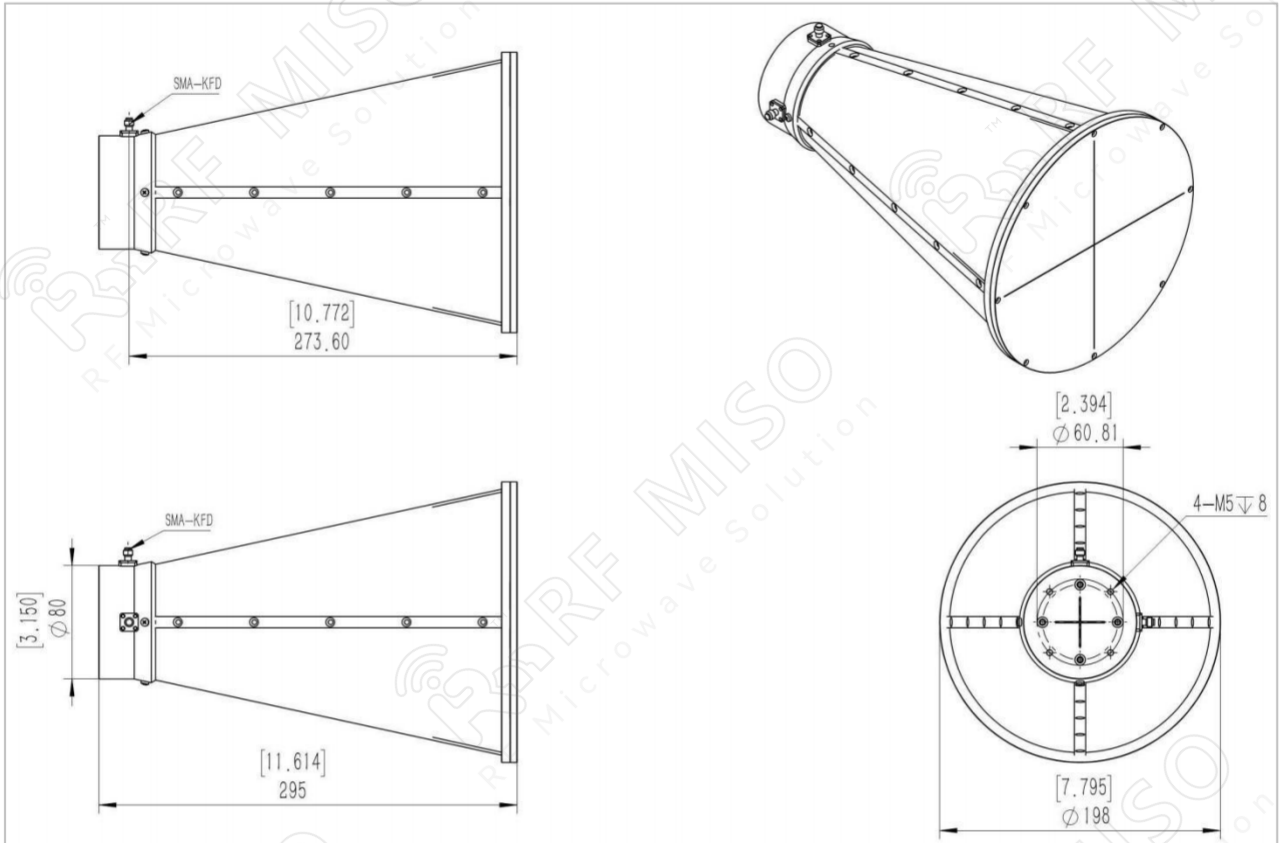


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Outline Drawing





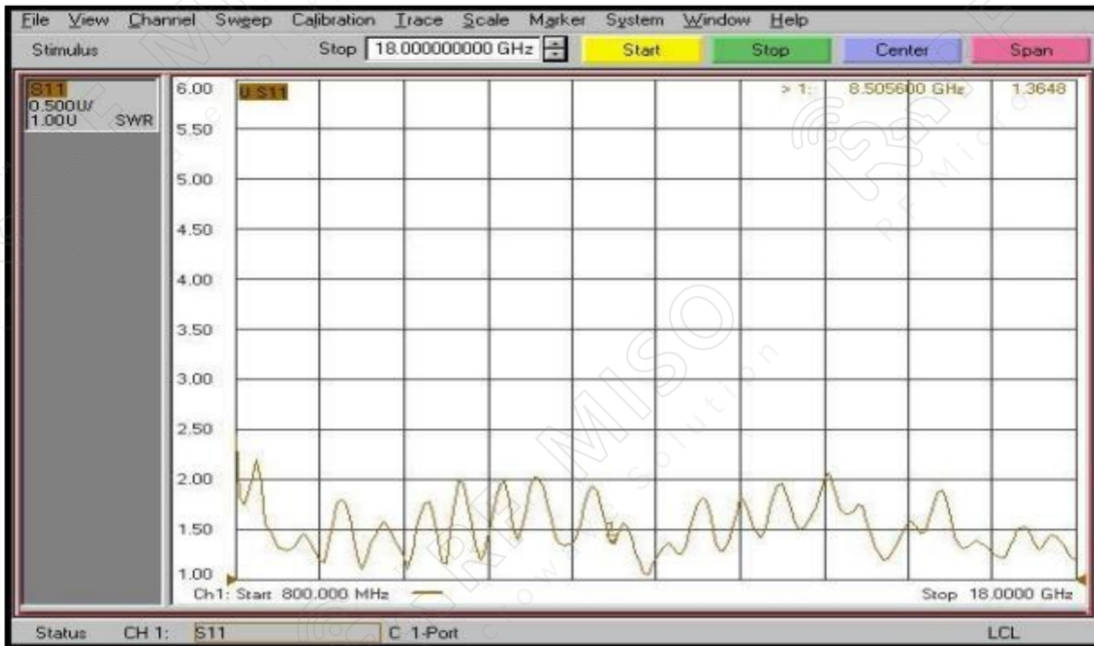
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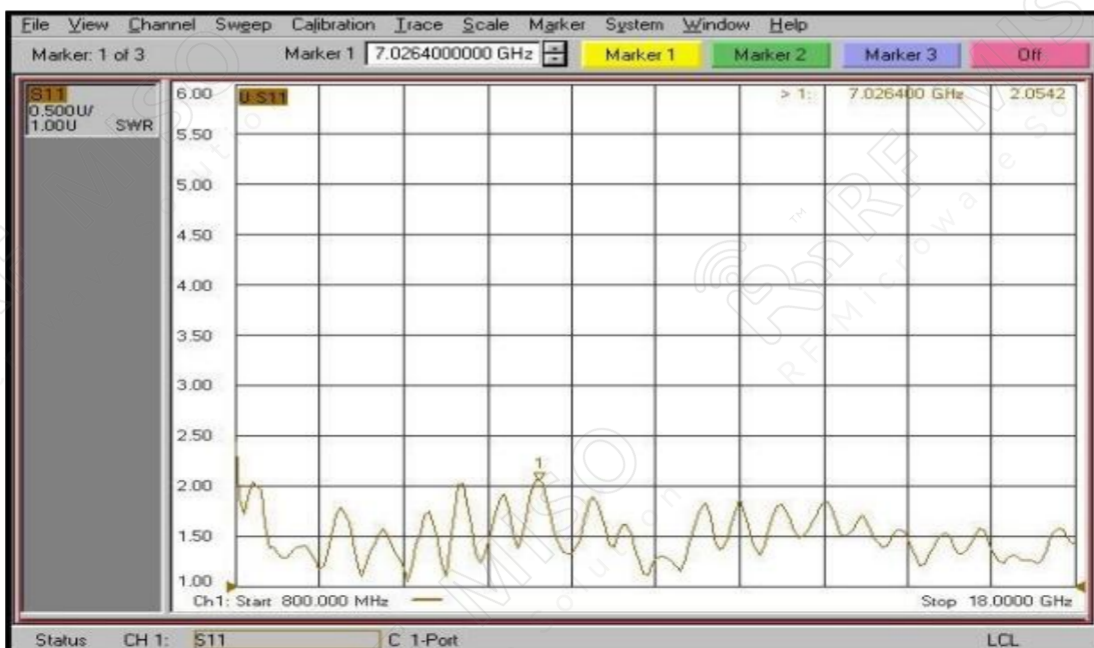
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Test Result

Port 1 VSWR



Port 2 VSWR



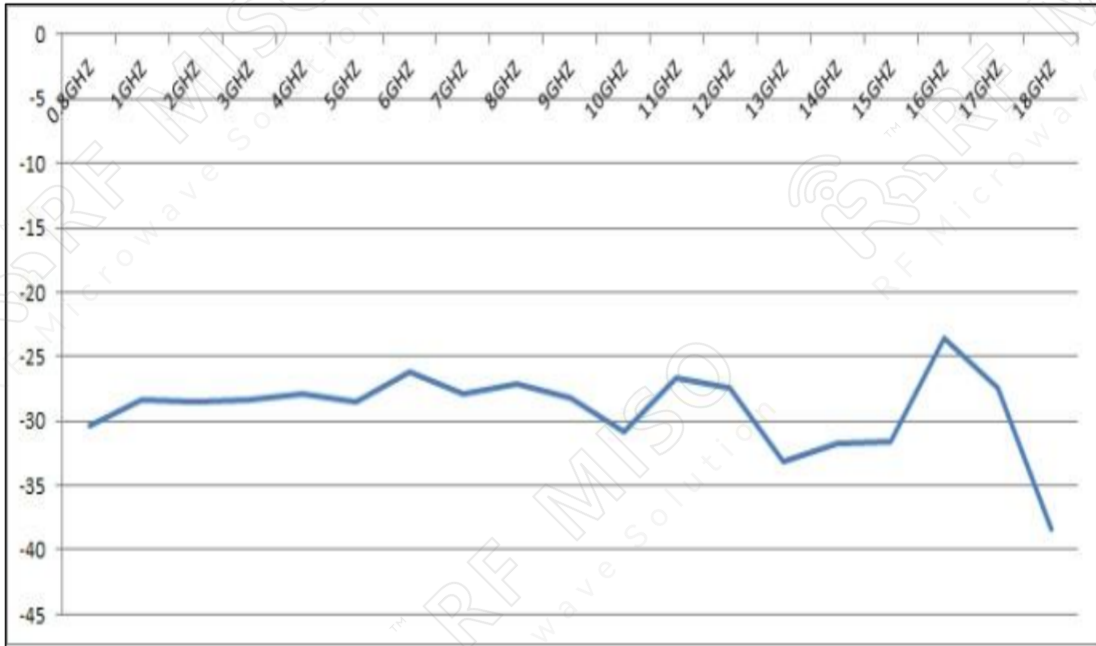


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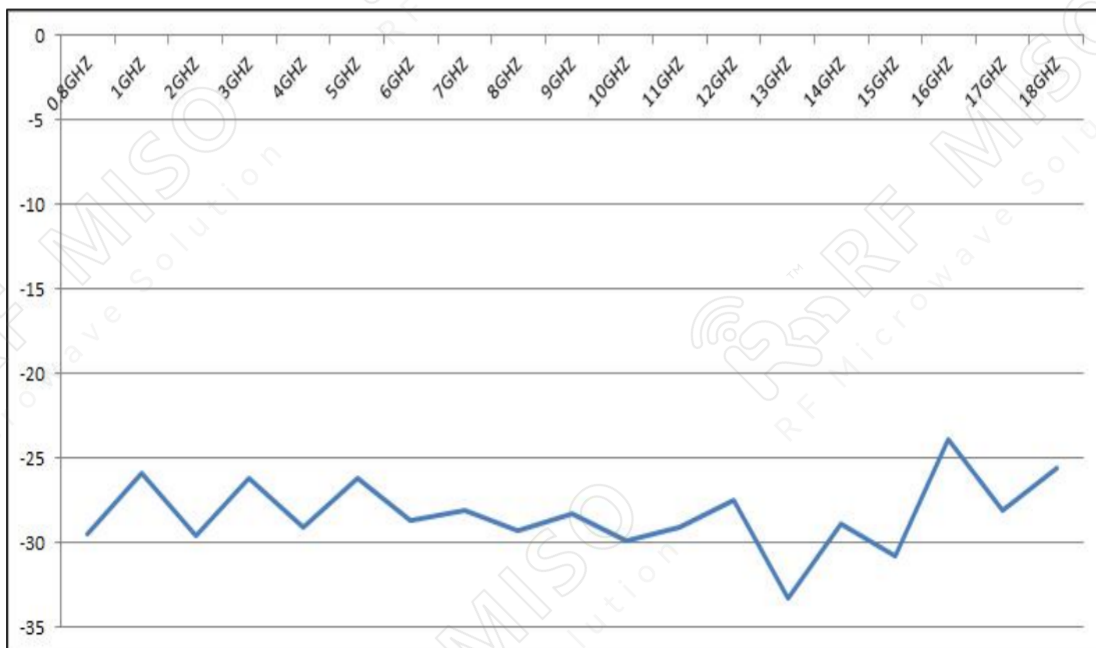
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Port 1 Cross Pol. Isolation



Port 2 Cross Pol. Isolation



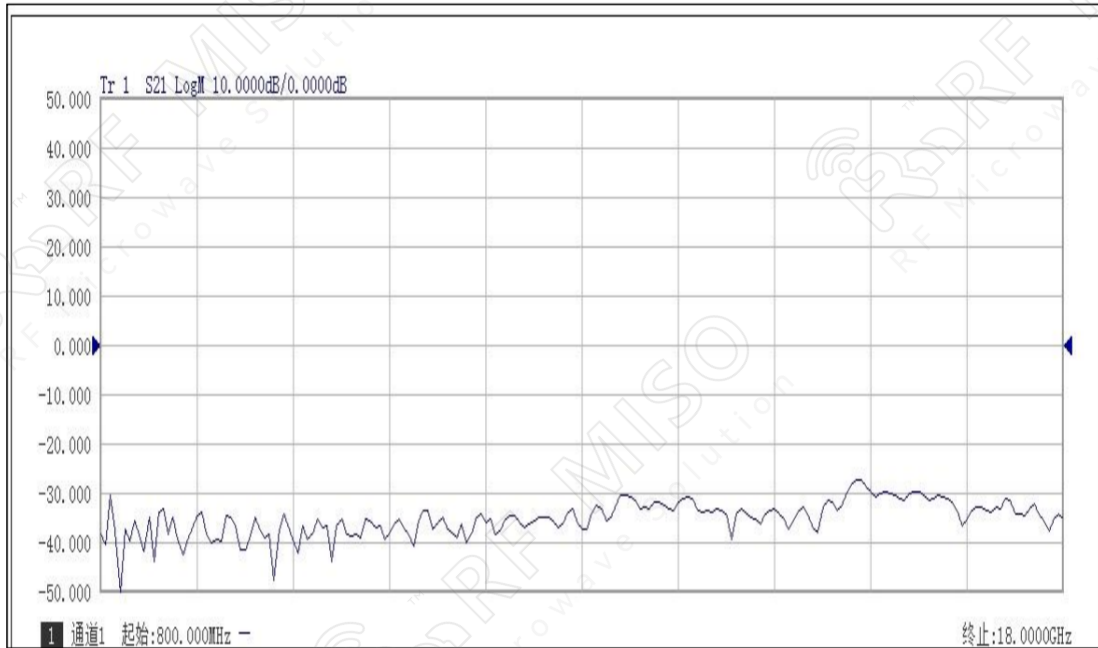


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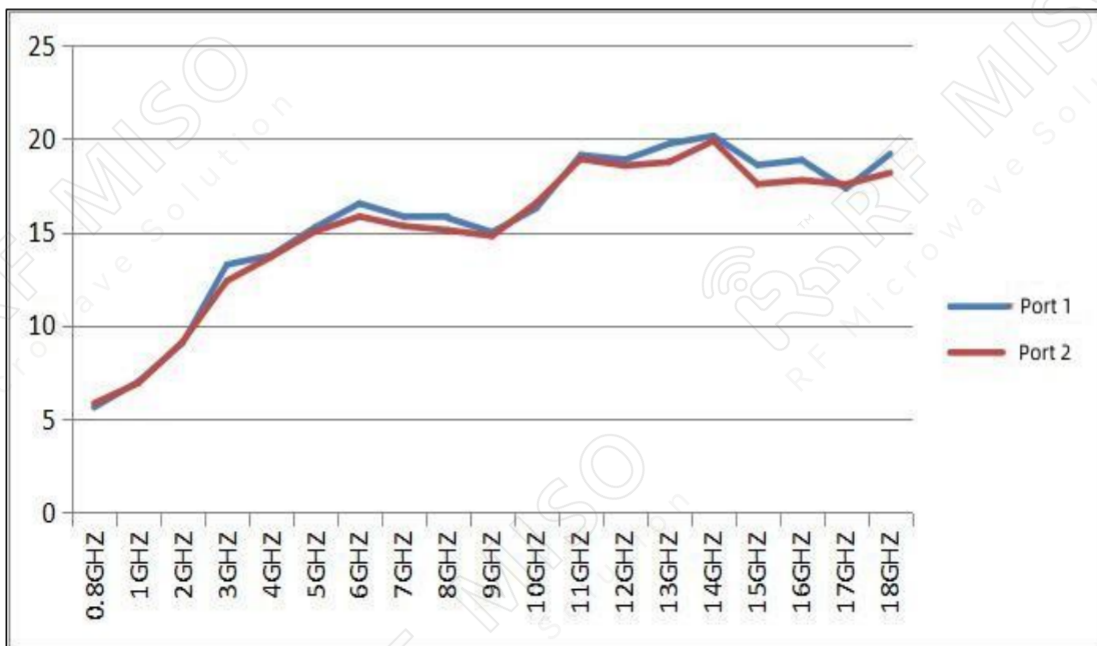
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Port Isolation



Gain



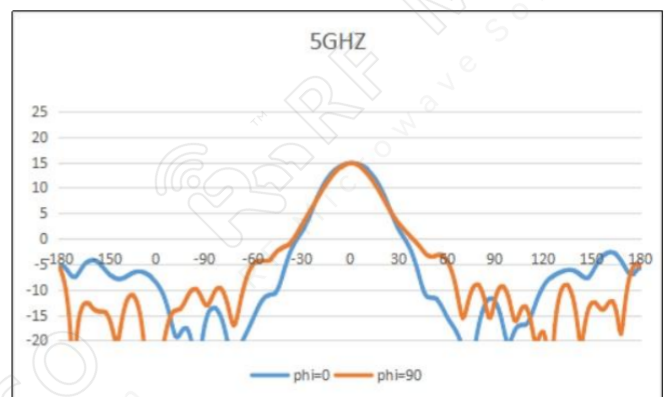
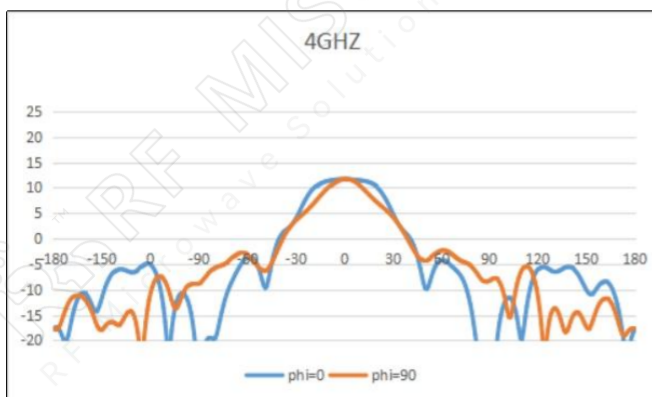
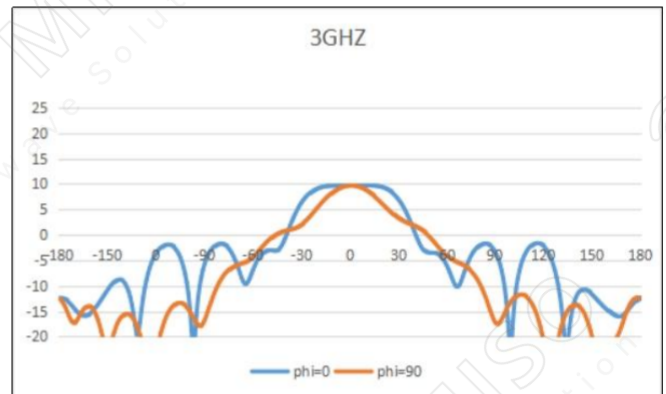
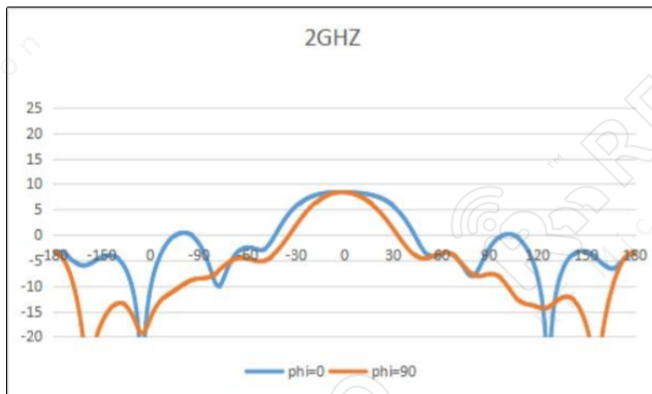
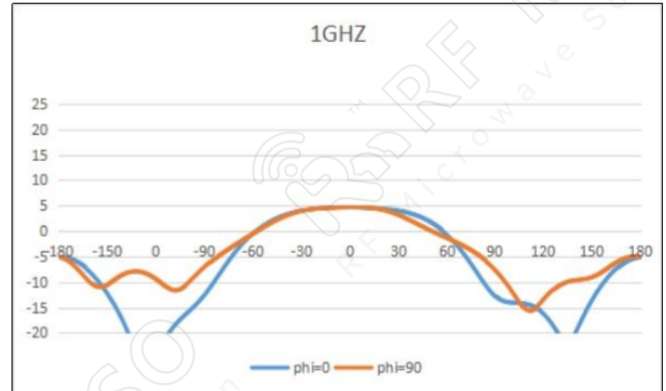
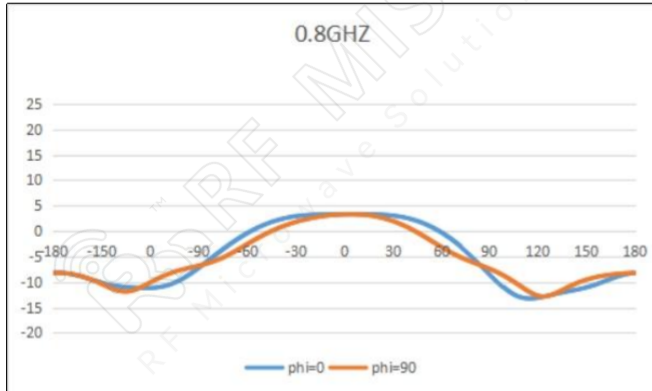


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Port 1 Gain Pattern

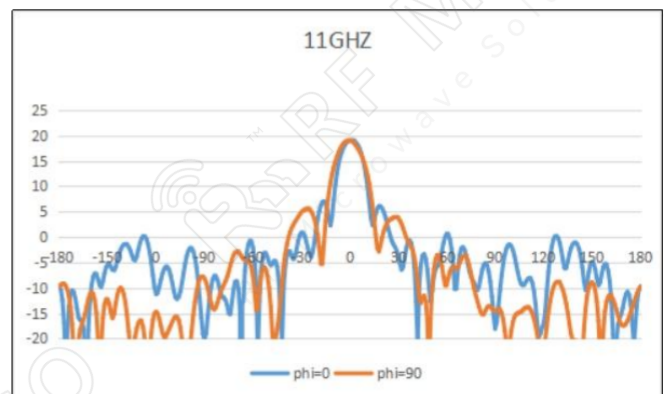
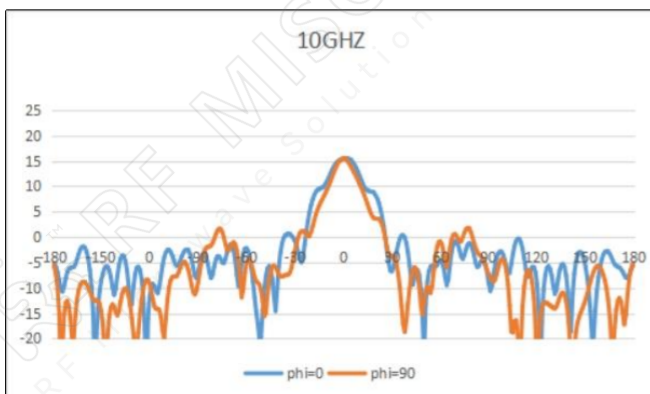
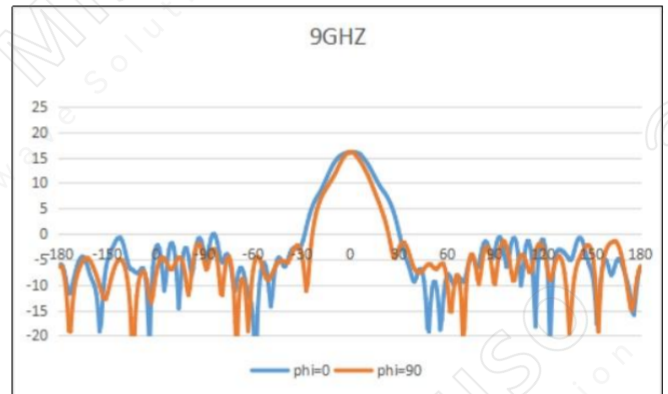
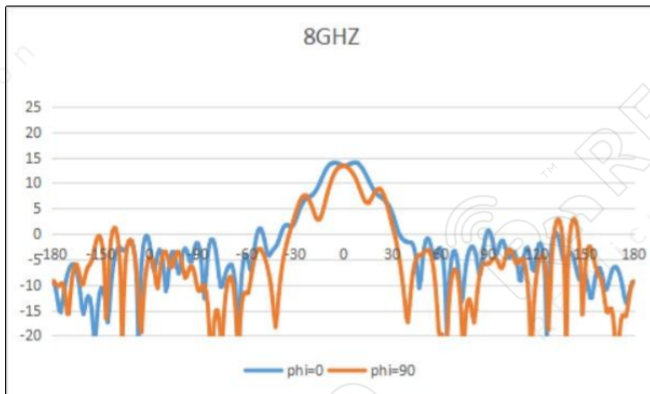
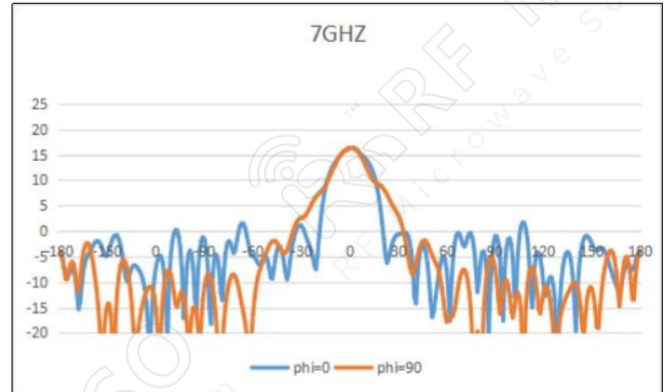
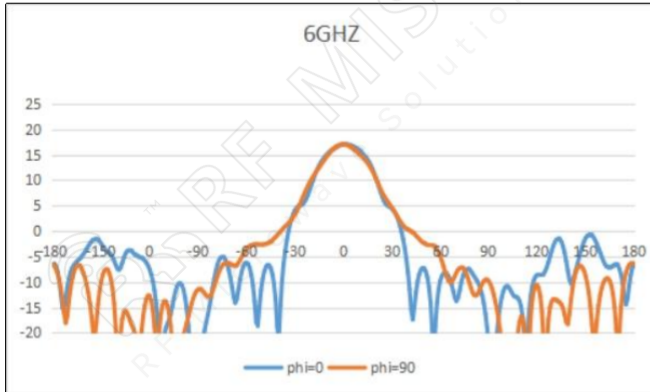




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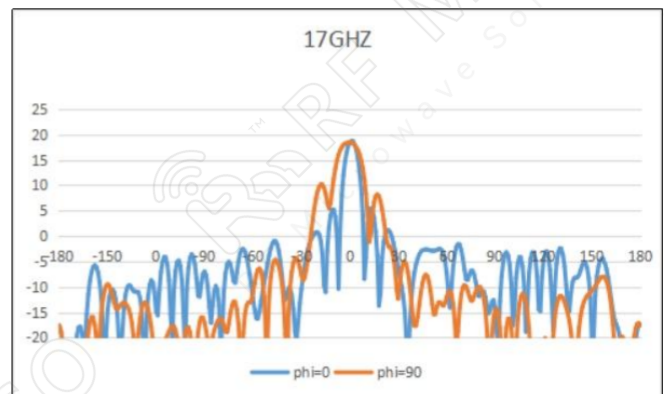
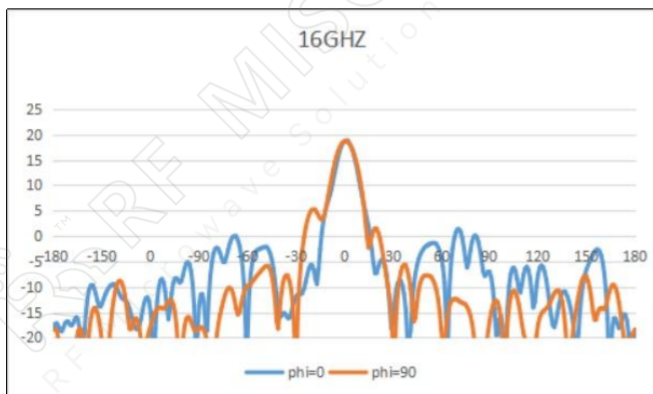
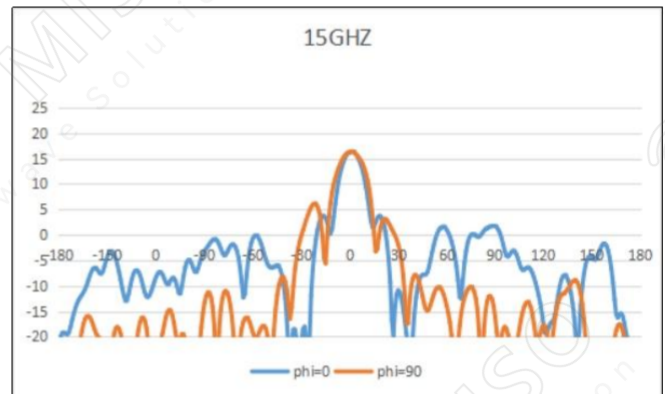
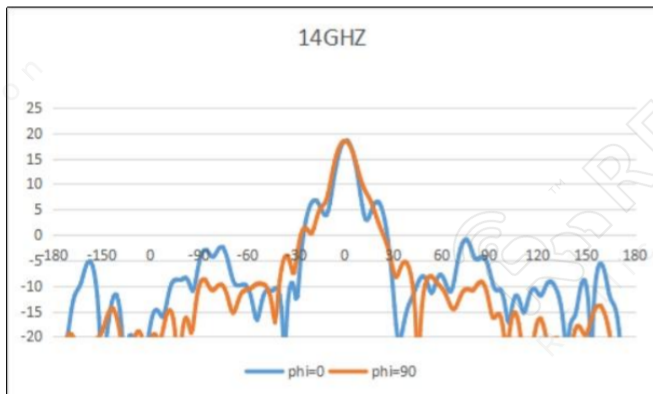
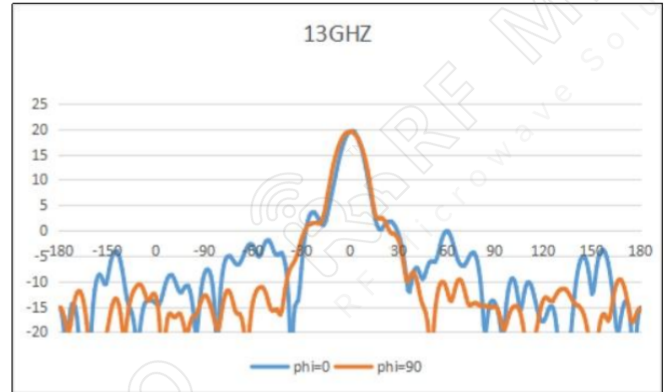
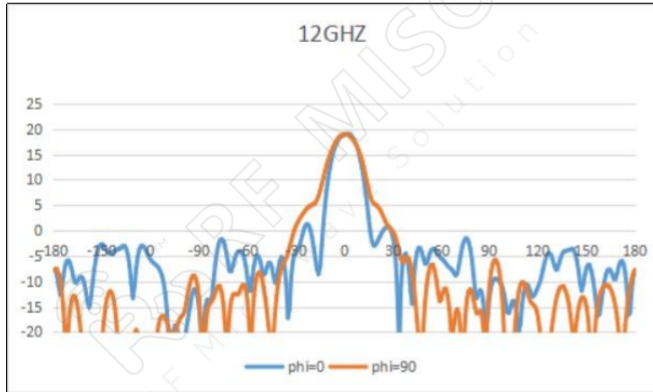




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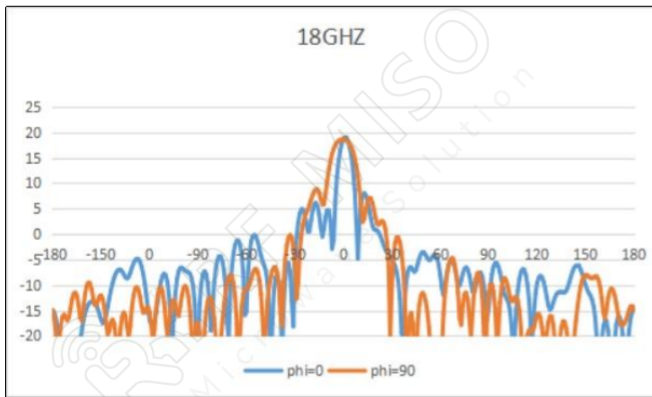




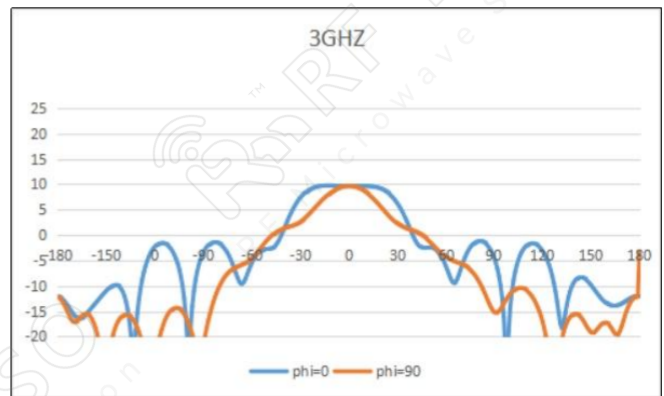
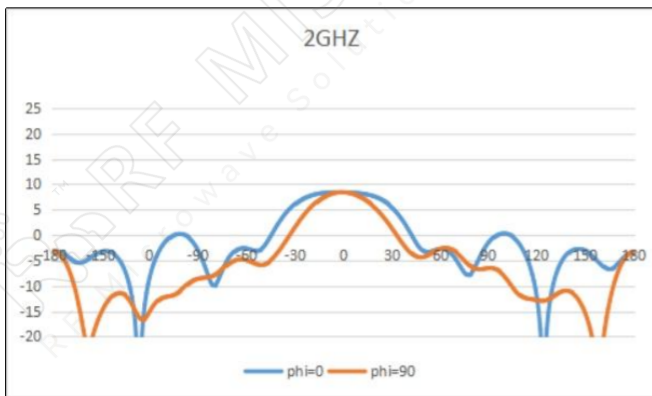
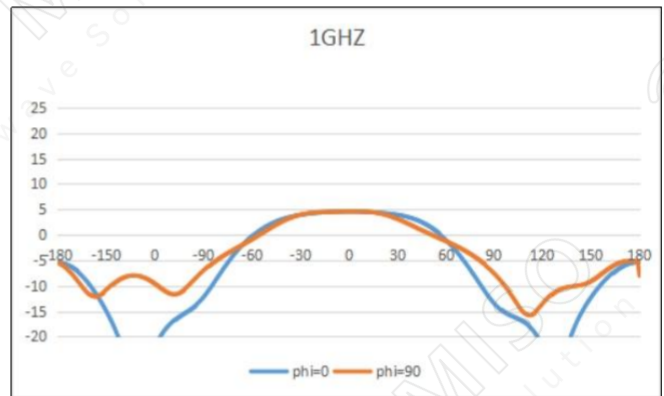
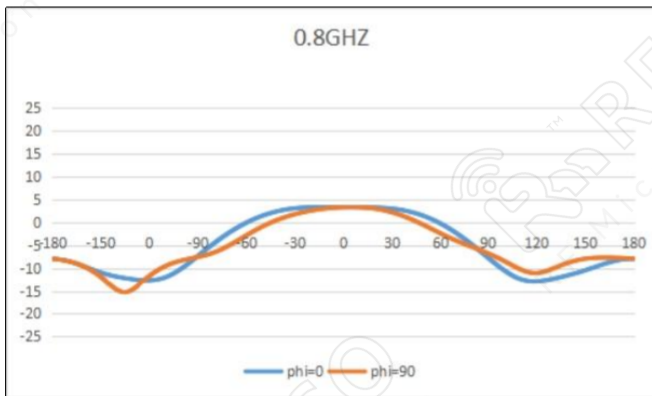
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Port 2 Gain Pattern

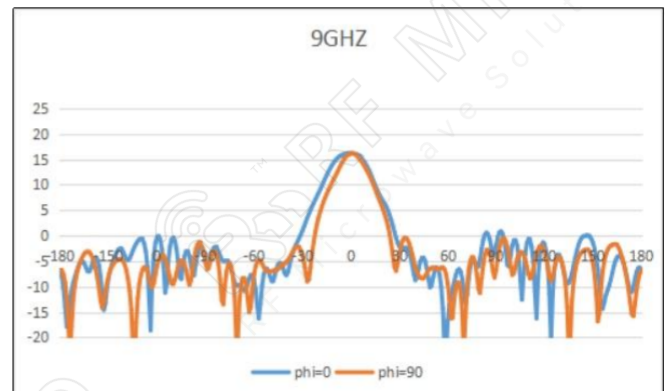
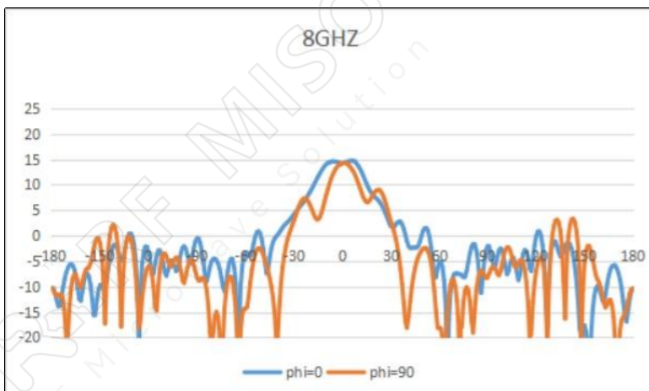
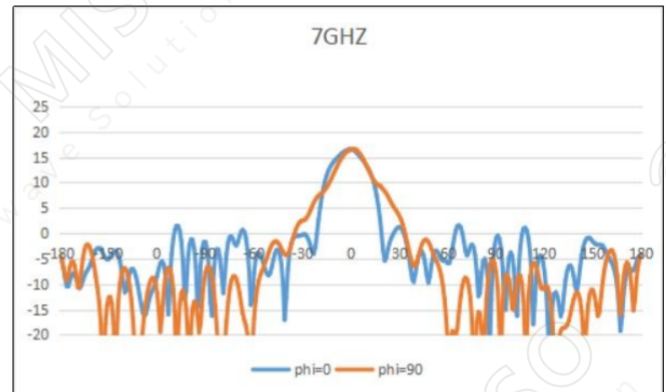
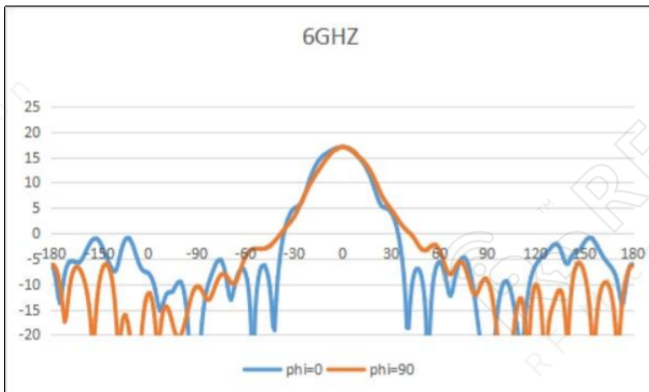
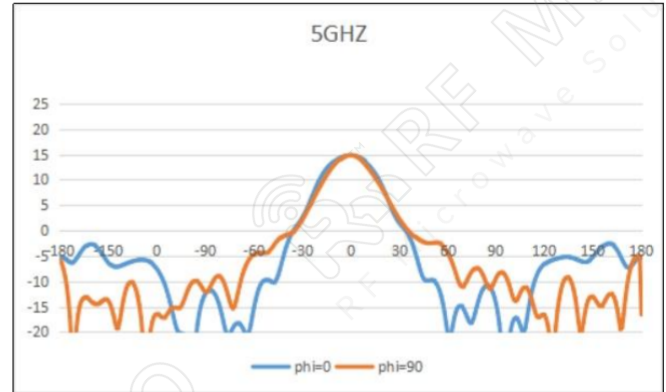
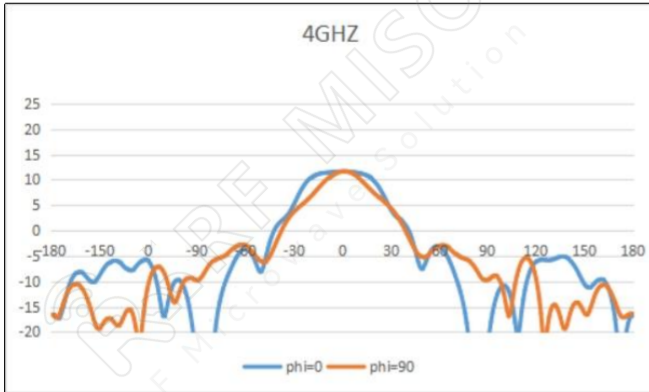




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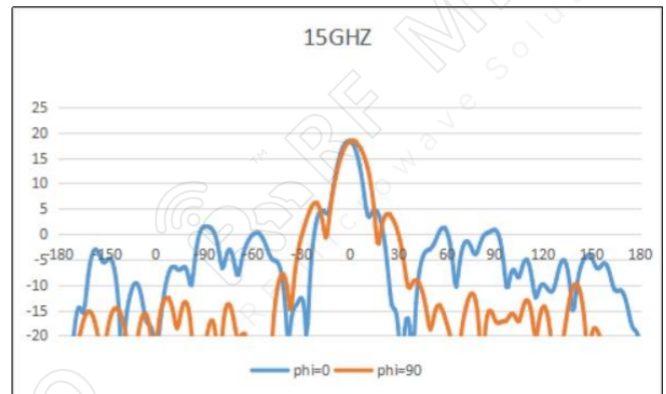
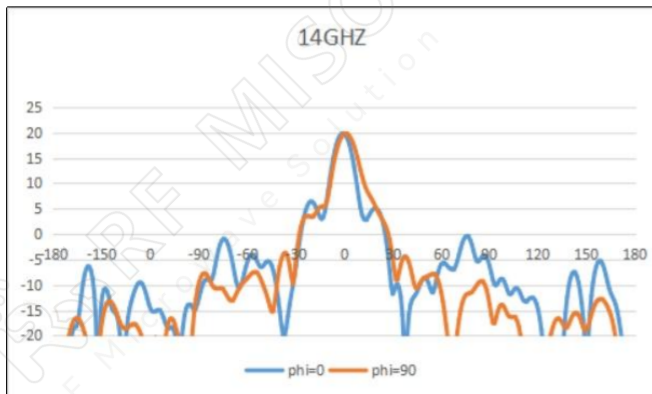
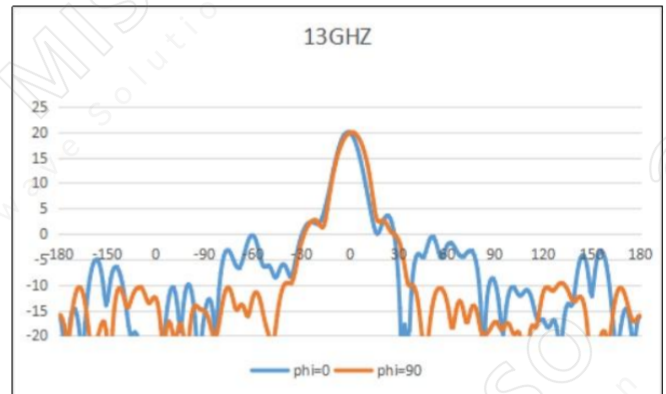
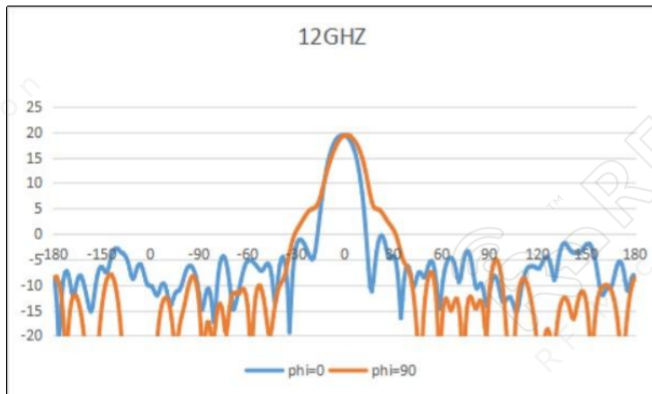
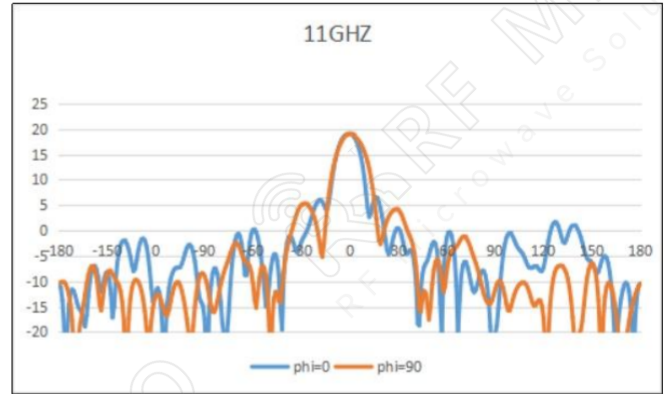
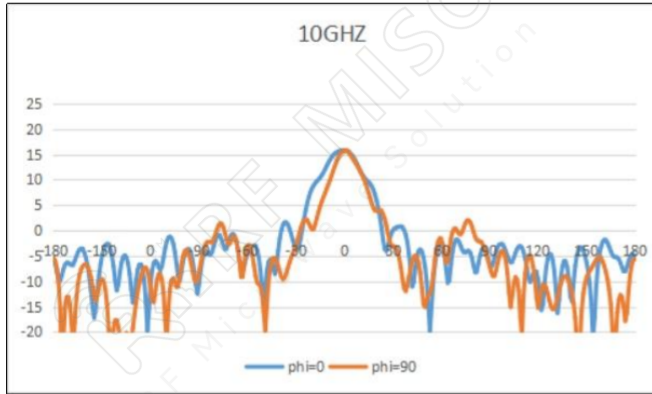




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