

## JHS-5159-16D90A

| Electrical             |                               |
|------------------------|-------------------------------|
| Model                  | JHS-5159-16D90A               |
| Frequency Range        | 5150-5850 MHz                 |
| Gain                   | (V Port)16 dBi (H Port)15 dBi |
| VSWR                   | ≤1.8                          |
| 3dB Beam-Width H-Plane | 90°                           |
| 3dB Beam-Width E-Plane | 9°                            |
| Polarization           | Vertical & Horizontal         |
| Upper Side Lobes       |                               |
| Front to Back Ratio    | >30 dB                        |
| Port to Port Isolation | >30 dB                        |
| Maximum Input Power    | 100 Watt                      |
| Impedance              | 50 Ω                          |
| Lightning Protection   | DC Grounded                   |
| Mechanical             |                               |
| Connector              | 2 × N Female                  |
| Antenna Dimension      | 450×140×35 mm                 |
| Weight                 | 1.26 KG                       |
| Radome Material        | UV Protected ABS              |
| Mounting Mast Diameter | Ø40~Ø60 mm                    |
| Operating Temperature  | -40° C to +65° C              |
| Rated Wind Velocity    | 216 Km/h                      |

## FM3200 Base Sector Antenna Pattern Report

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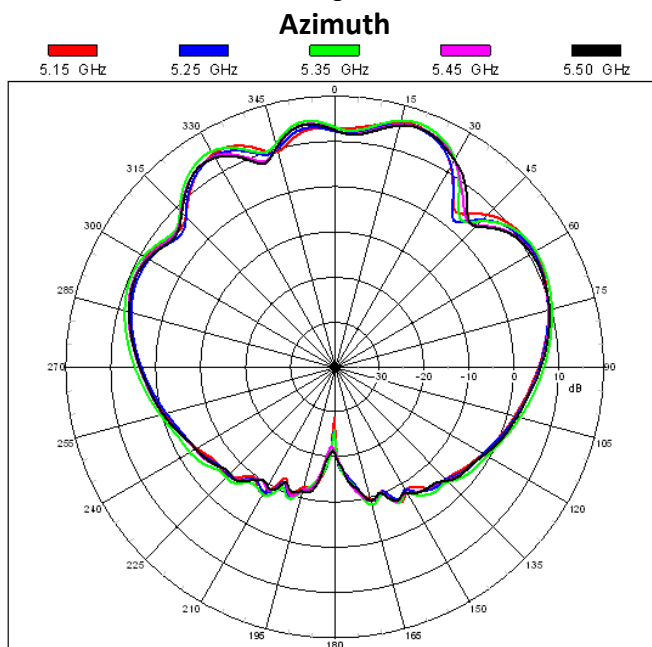
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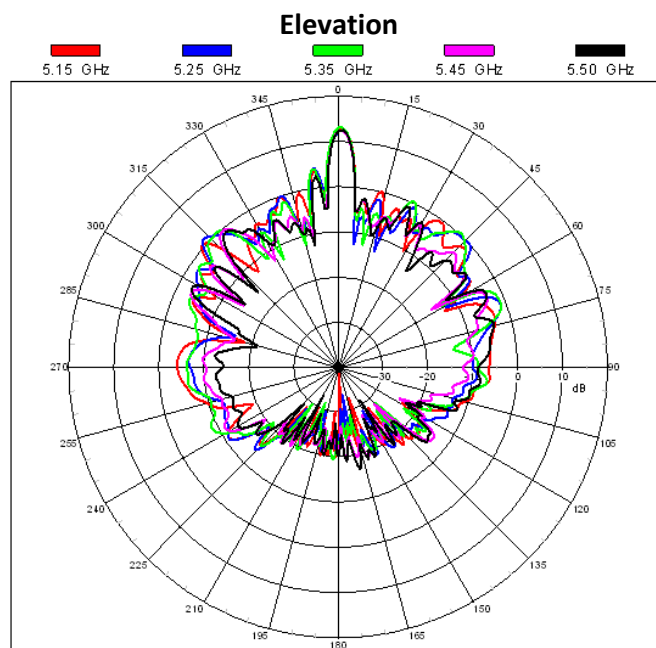
## Gain & Patterns Test Result

### Horizontal Polarization, 0°

| Frequency (GHz) | 5.15  | 5.25  | 5.35  | 5.45  | 5.5   |
|-----------------|-------|-------|-------|-------|-------|
| Peak Gain (dBi) | 15.91 | 15.59 | 16.57 | 15.71 | 15.63 |

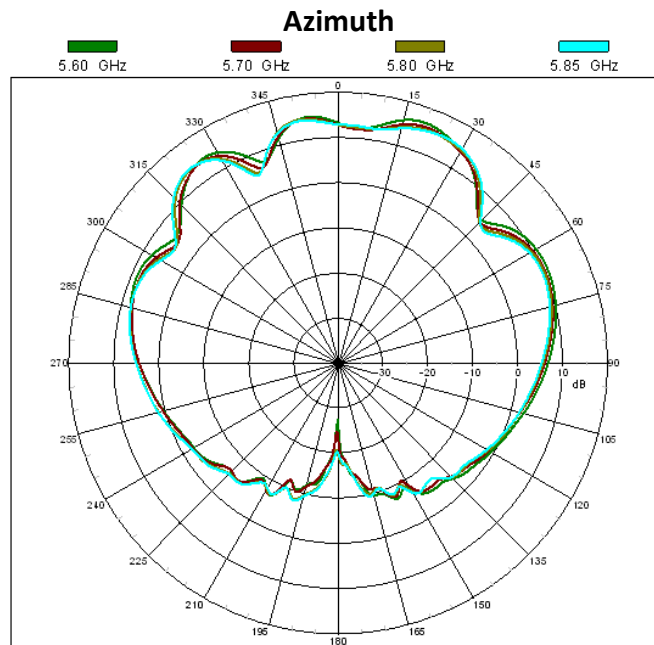
Note: 1. Measurement tolerance of gain and HPBW: +/-0.5dB & +/-3deg.

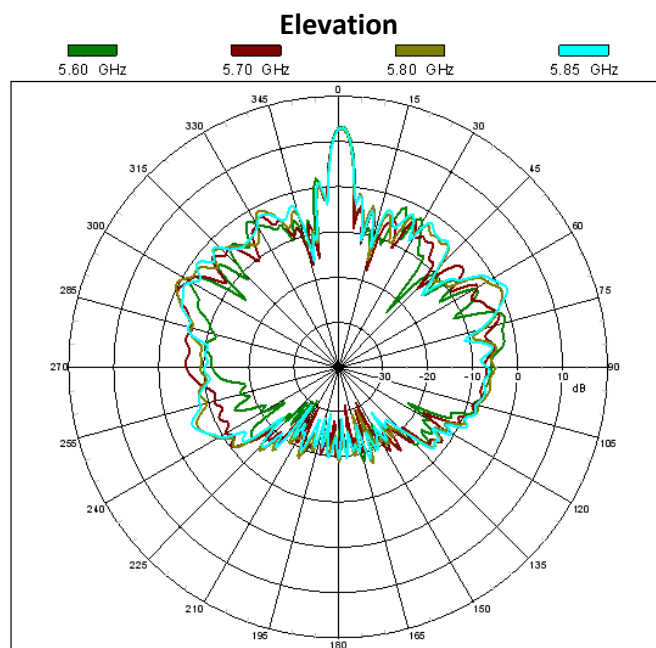




| Frequency (GHz) | 5.6   | 5.7   | 5.8   | 5.85  |
|-----------------|-------|-------|-------|-------|
| Peak Gain (dBi) | 16.12 | 15.23 | 14.74 | 14.79 |

Note: 1. Measurement tolerance of gain and HPBW: +/-0.5dB & +/-3deg.



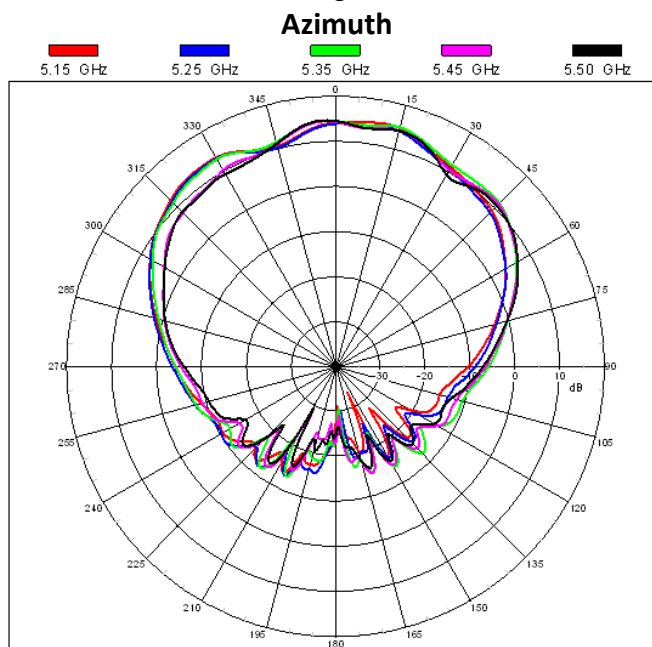


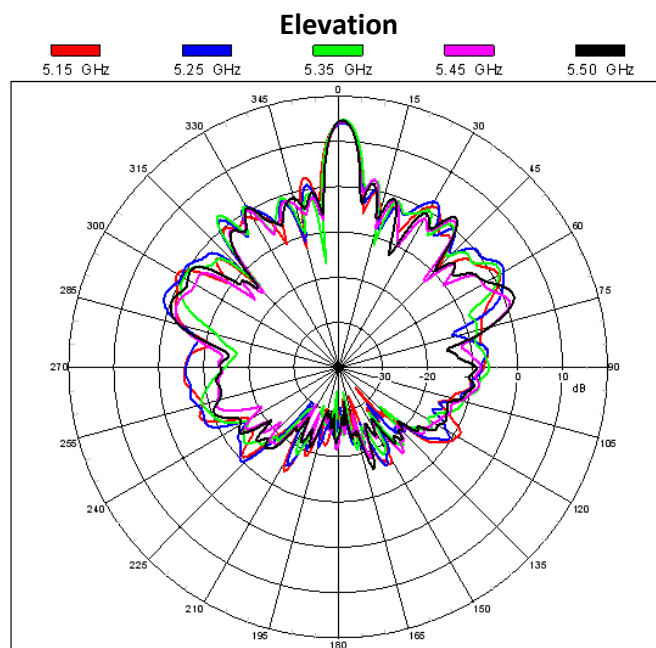
## Gain & Patterns Test Result

### Vertical Polarization, 90°

| Frequency (GHz) | 5.15  | 5.25  | 5.35  | 5.45  | 5.5   |
|-----------------|-------|-------|-------|-------|-------|
| Peak Gain (dBi) | 14.41 | 13.75 | 14.45 | 14.18 | 14.37 |

Note: 1. Measurement tolerance of gain and HPBW: +/-0.5dB & +/-3deg.





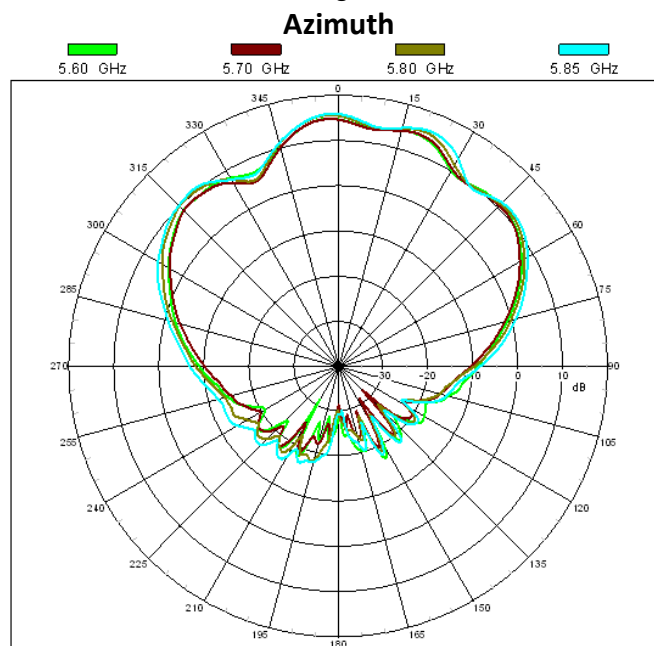
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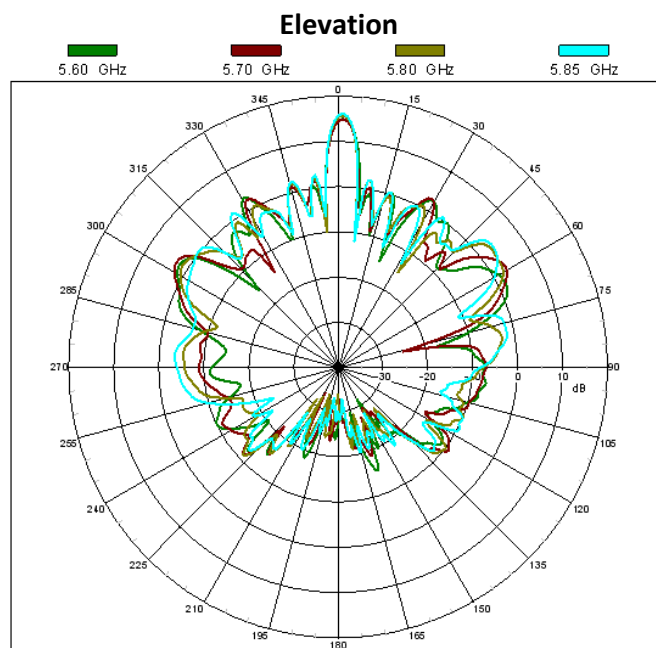
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| Frequency (GHz) | 5.6   | 5.7   | 5.8   | 5.85  |
|-----------------|-------|-------|-------|-------|
| Peak Gain (dBi) | 14.69 | 14.68 | 15.46 | 15.74 |

Note: 1. Measurement tolerance of gain and HPBW: +/-0.5dB & +/-3deg.





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