# SUMMARY TEST DATA
# ON
# 6SFB-1G20G-LP-AMP-SFF

**Customer:**
**SO No:**
**Model No:** 6SFB-1G20G-LP-AMP-SFF
**Serial No:** PL30770/2051

**Tested By:** E. Marick
**Temperature:** +25°C
**Date:** 12/2/2020
**Drawing No:** 27637000 **Rev:** B1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | Test Results | QA QC |
|---|---|---|---|---|
| 1 | Frequency Range: | 1 TO 20 GHz | 1 TO 20 GHz | PMI QA 2 |
| 2 | Gain: | 20 dB Minimum, 25 dB Typical | 20.7 dB<br>See Plots | |
| 3 | VSWR: | 2.0:1 Maximum | 1.3:1 Input<br>1.9:1 Output<br>See Plots | |
| 4 | Rejection: | 50 dBc Minimum | Filter 1: 64 dBc<br>Filter 2: 57 dBc<br>Filter 3: 55 dBc<br>Filter 4: 54 dBc<br>Filter 5: 72 dBc | |
| 5 | Output 2ND Harmonic: | 45dBc @ 0dBm Output Power (Filter passband must be selected for maximum harmonic attenuation. Thru path 2nd harmonic value TBD) | 45dBc @ 0dBm<br>See Typical Characteristics | |
| 6 | Switching Speed: | 200 ns Typical (From 50% TTL TO 90%/10% RF) | <100 ns<br>See Typical Characteristics | |
| 7 | Power Handling: | +15 dBm Maximum | Pass<br>See Typical Characteristics | |
| 8 | Output P1dB: | +10 dBm Minimum | +15.3 dBm<br>See Plots | |
| 9 | Logic Input: | TTL Compatible<br>3 Bits Decoded<br>TTL High = 2 V Minimum<br>TTL LOW = 0.8 V Maximum | PASS | |
| 10 | Power Supply: | +15 VDC @ 800 mA Maximum<br>-15 VDC @ 100 mA Maximum | +15 VDC @ 628 mA<br>-15 VDC @ 68 mA | PMI QA 2 |

QA/QC Approval: PMI QA 2 Date: 12/2/20

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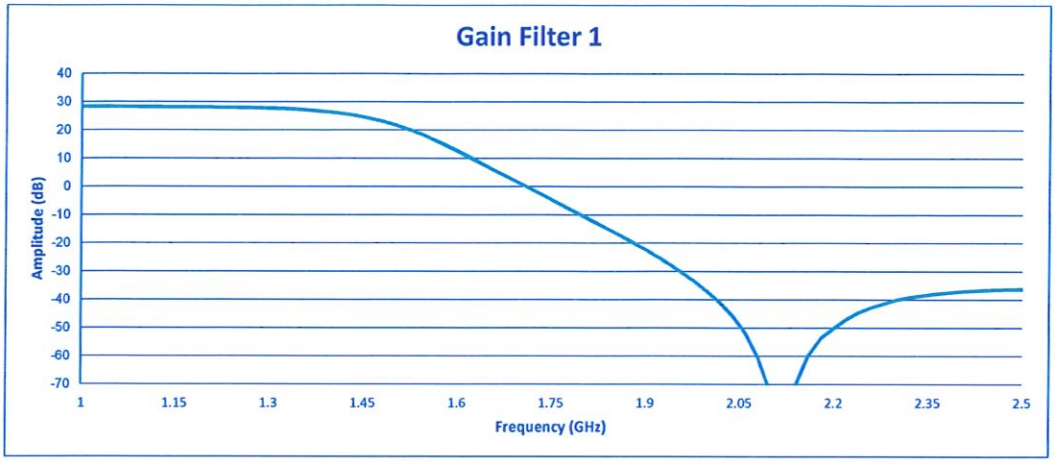


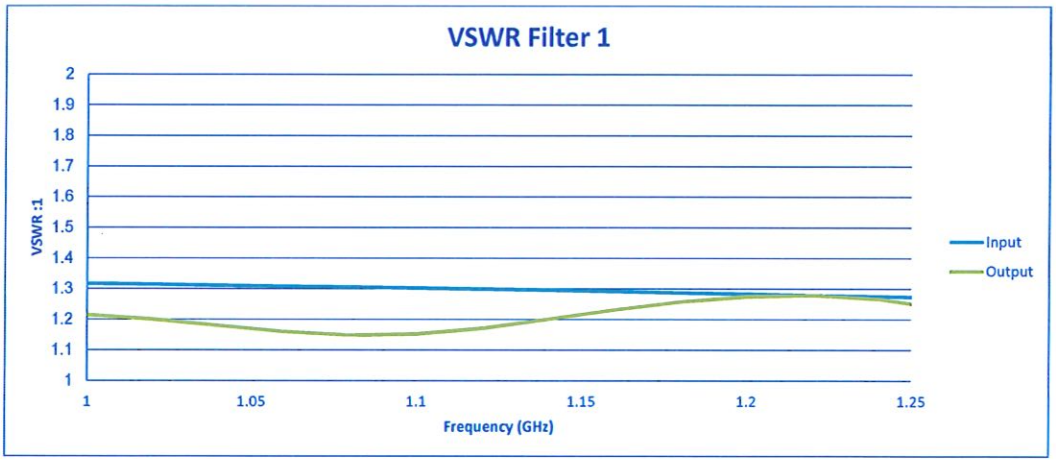


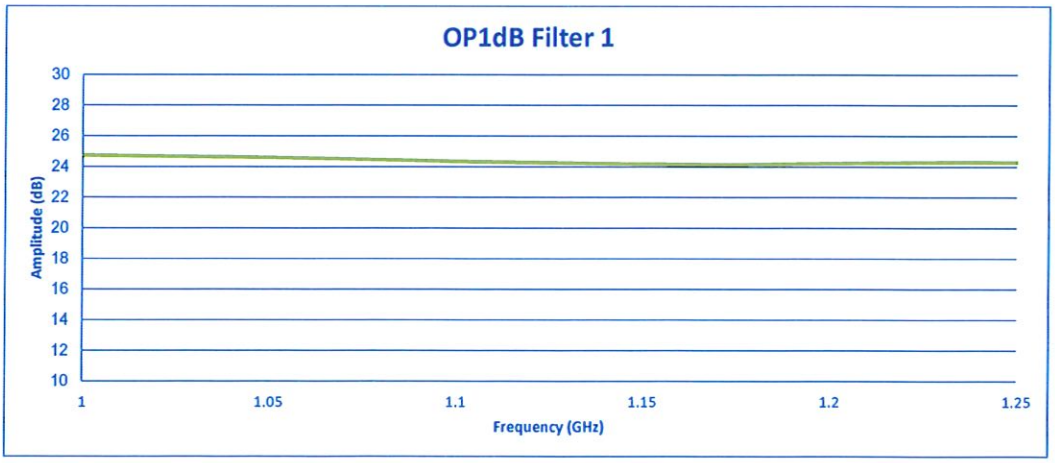


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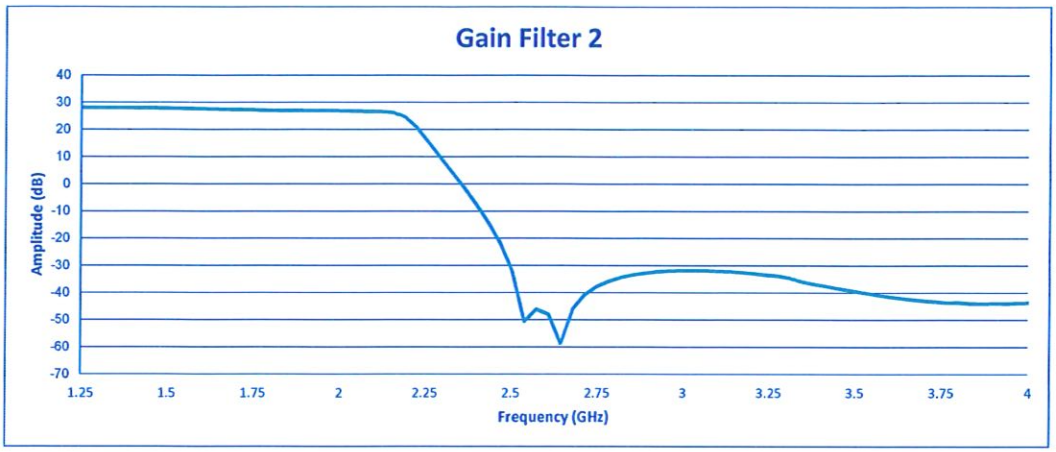


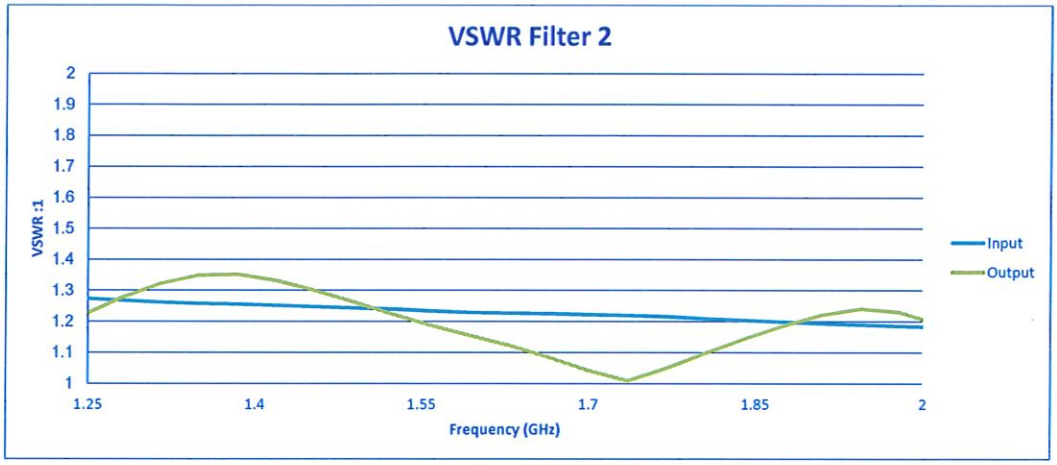


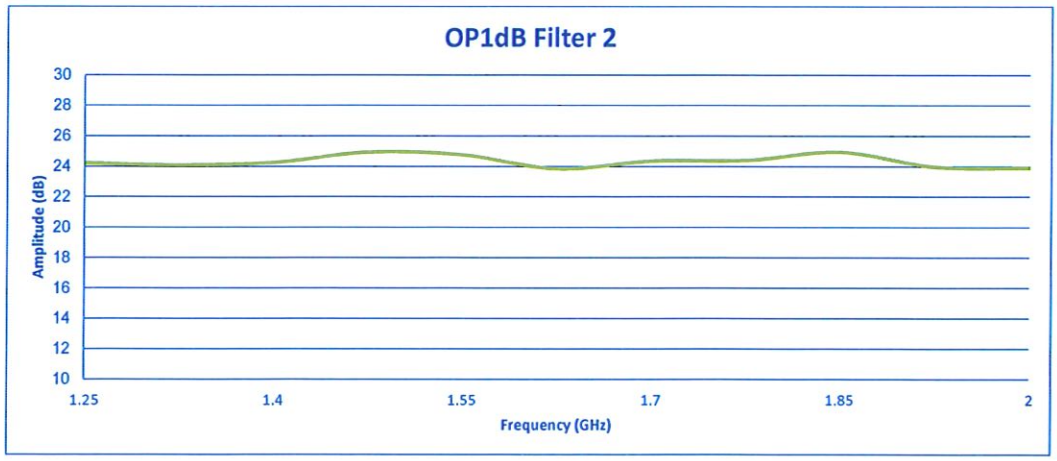


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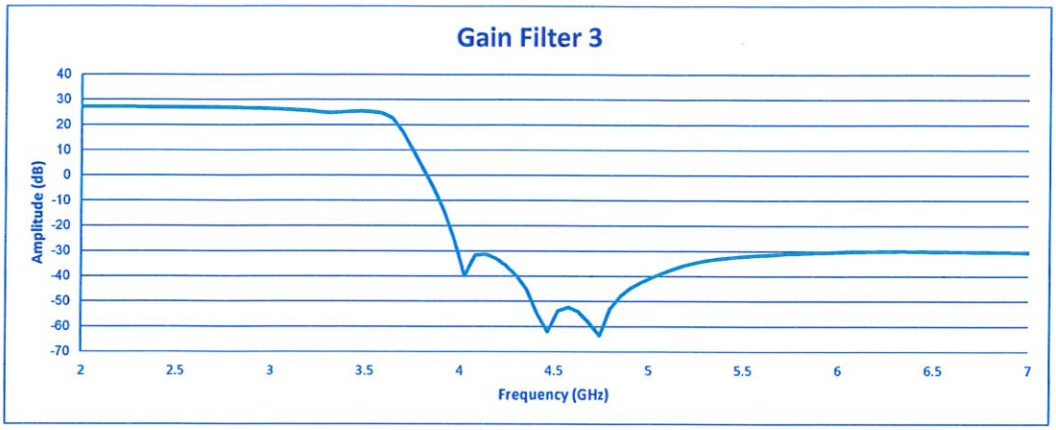


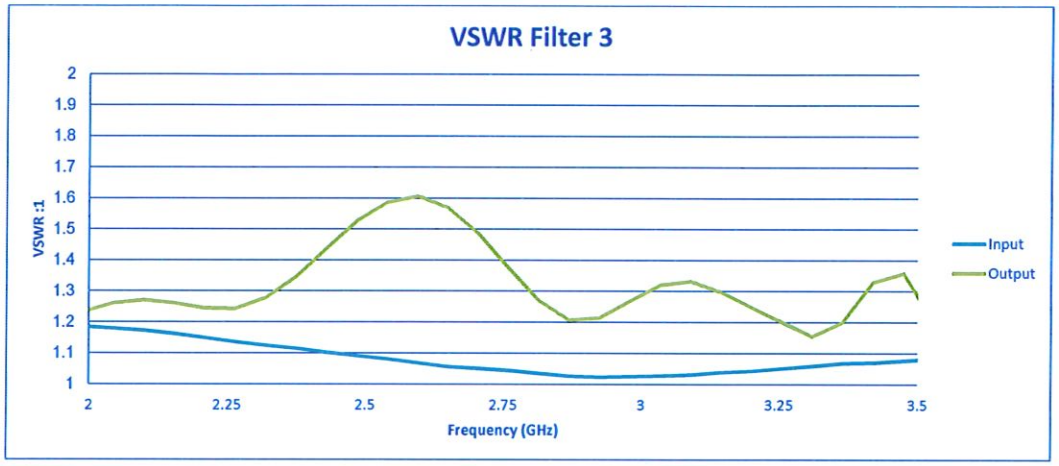


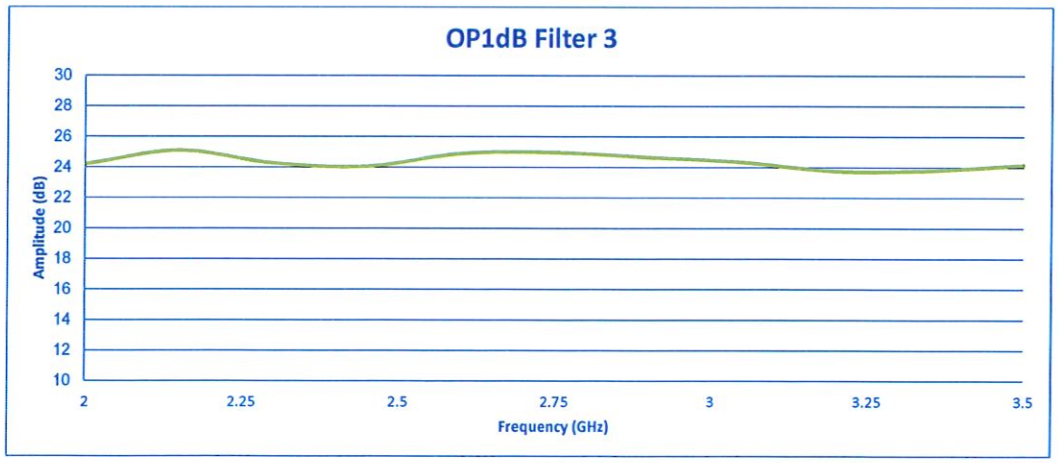


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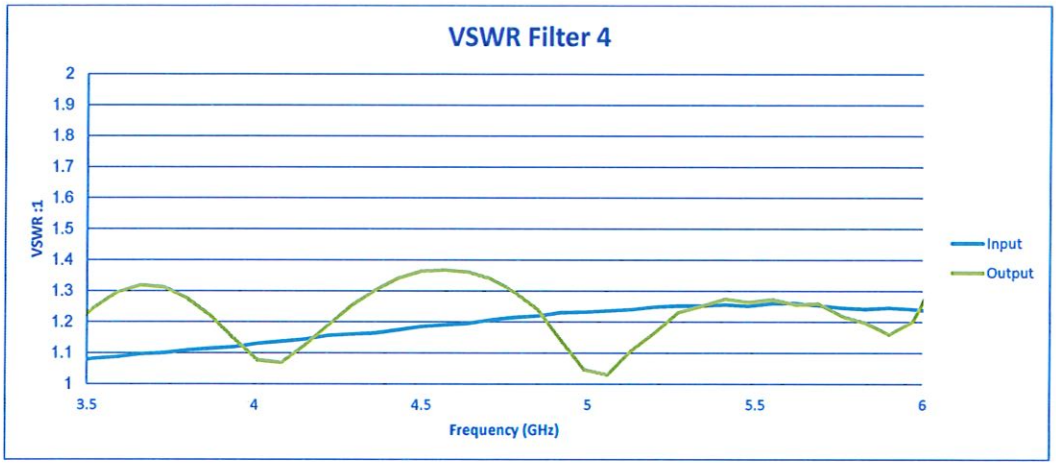


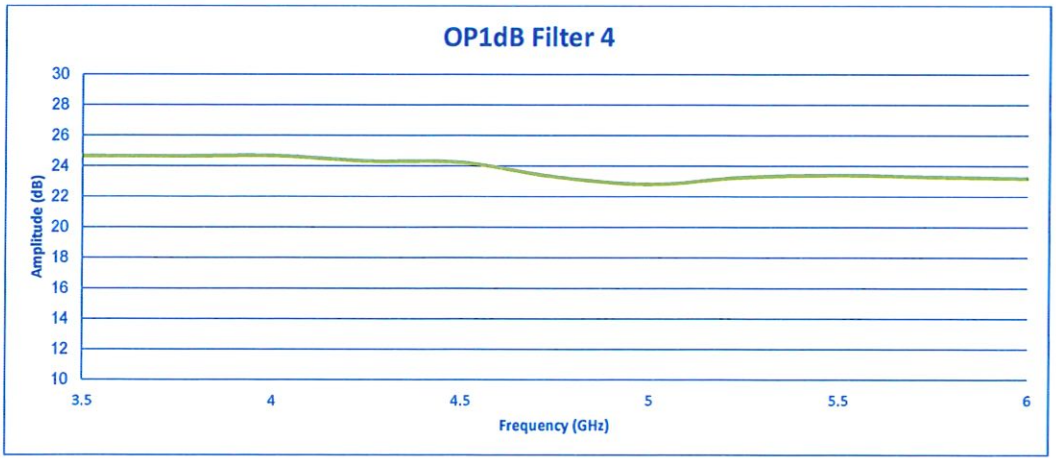


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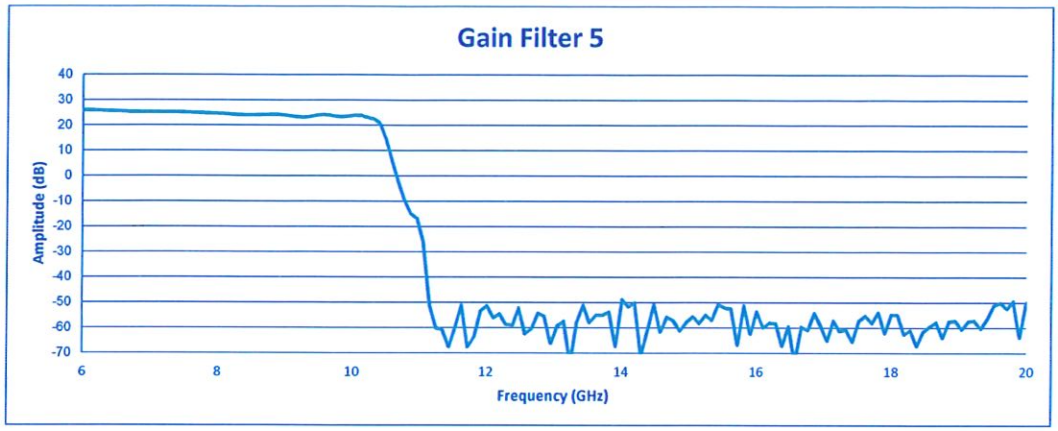


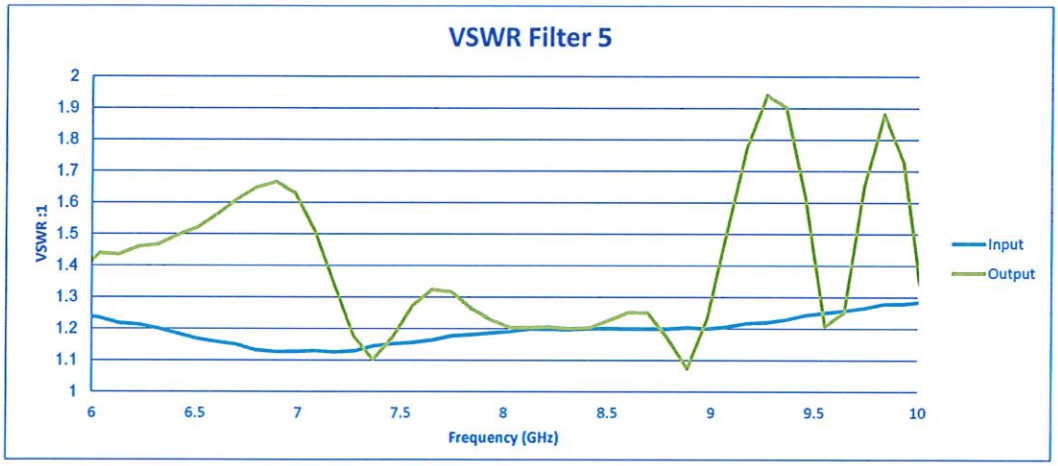


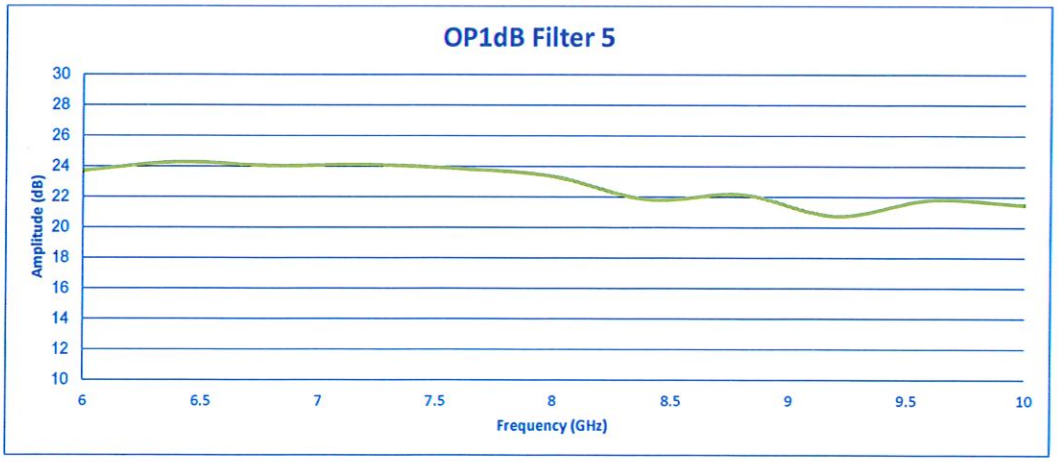


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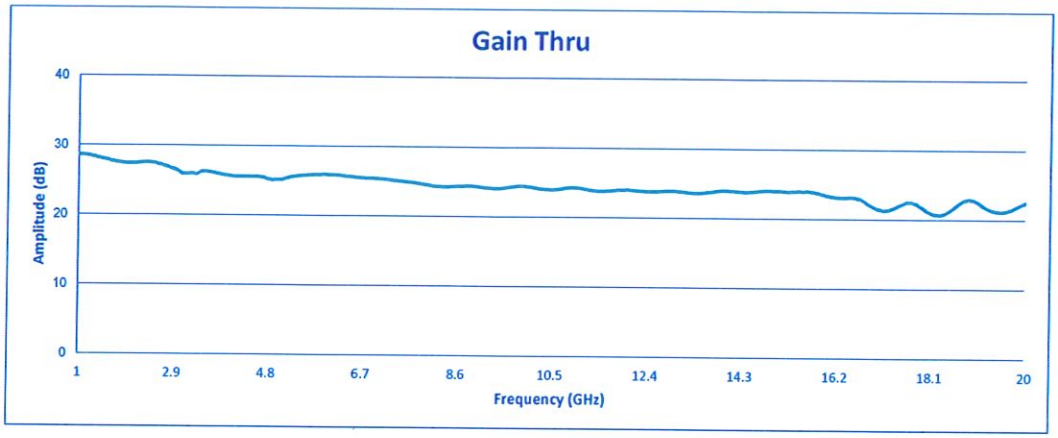


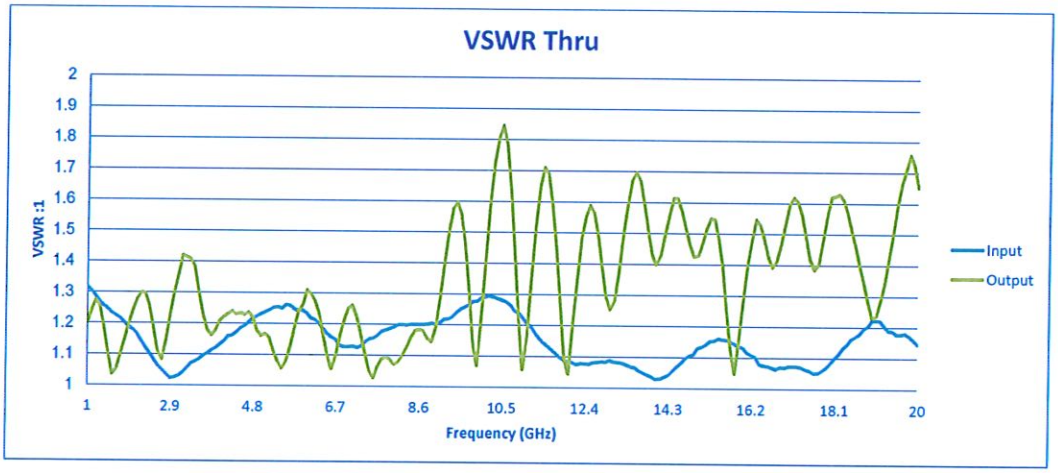


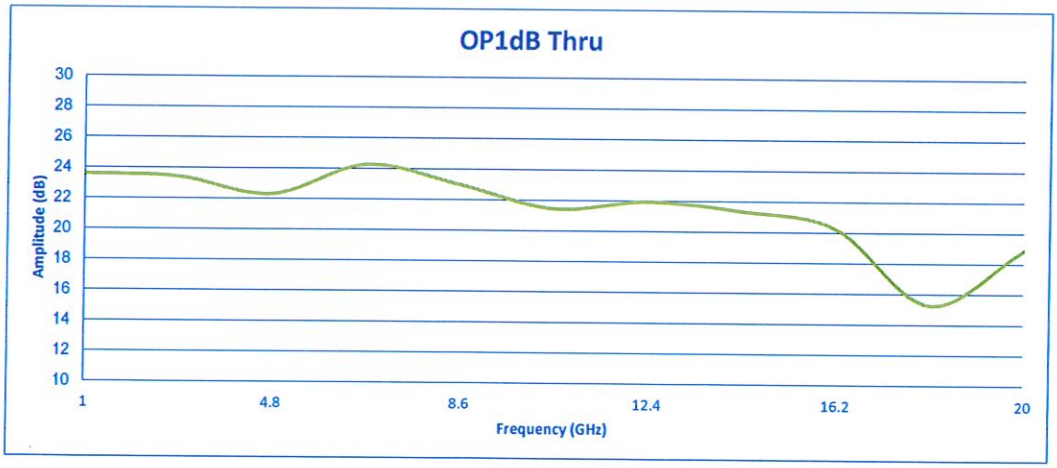


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