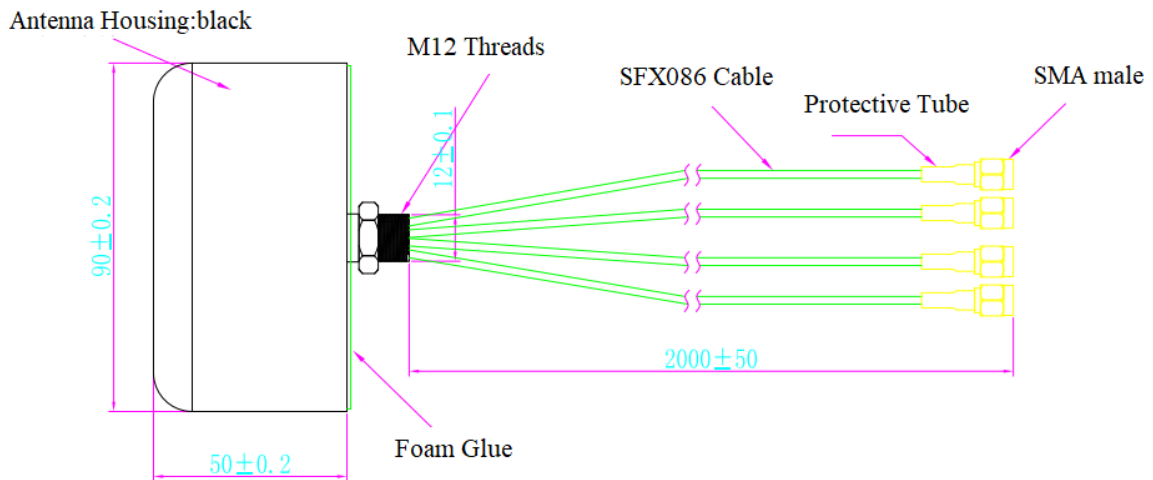


Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4



Mechanical Dimension



Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

Specifications

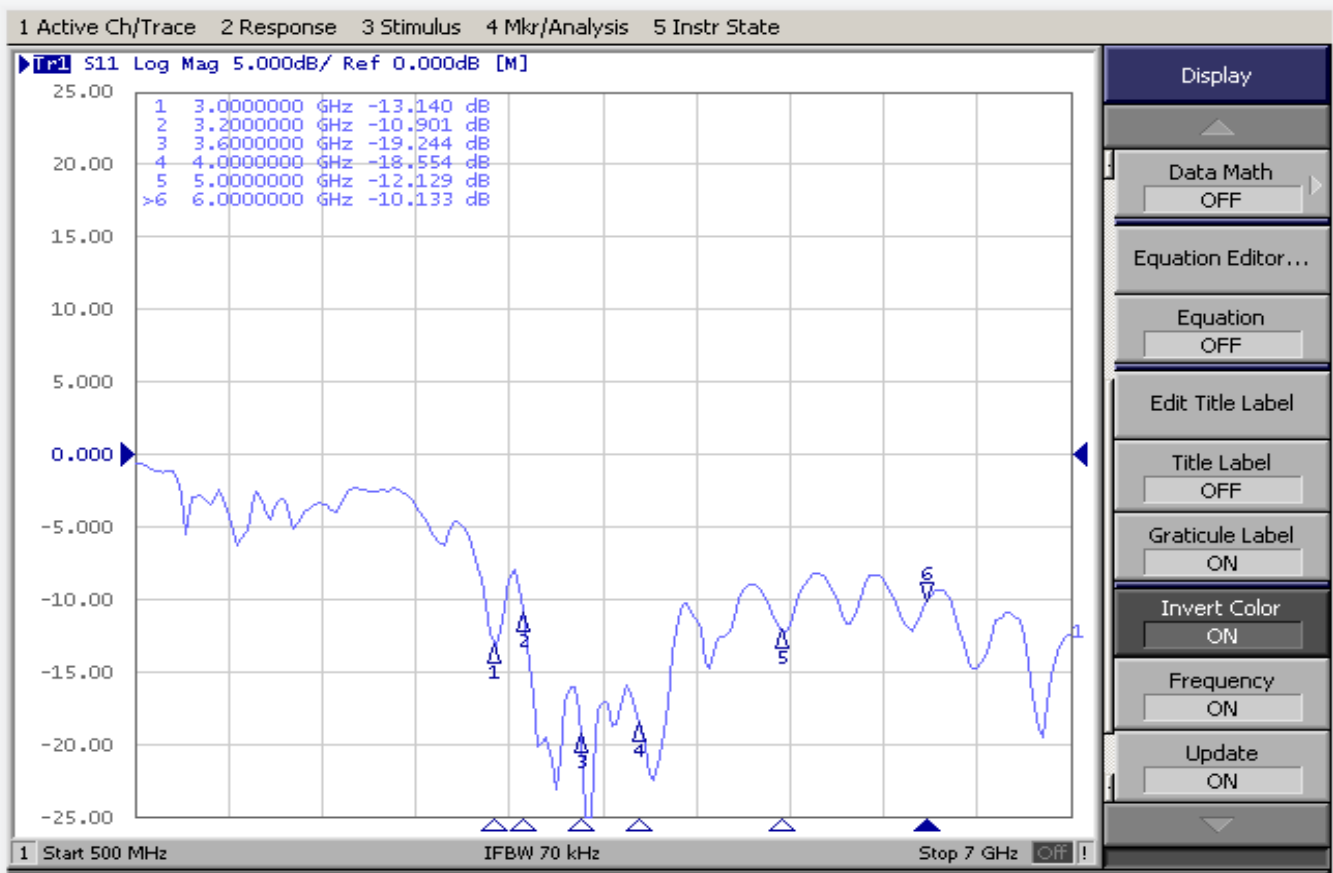
| Item | Specifications | |
|-------------|-------------------|------------------|
| 5G Antenna1 | Frequency Range | 3200~3600MHz |
| | Gain | 5dBi |
| | Efficiency | >50% |
| 5G Antenna2 | Frequency Range | 3200~3600MHz |
| | Gain | 5dBi |
| | Efficiency | >50% |
| 5G Antenna3 | Frequency Range | 3200~3600MHz |
| | Gain | 5dBi |
| | Efficiency | >50% |
| 5G Antenna4 | Frequency Range | 3200~3600MHz |
| | Gain | 5dBi |
| | Efficiency | >50% |
| Mechanical | Dimension | 90mm*30mm |
| | Antenna Color | Black |
| | Cable Type | 1.13 Black |
| | Cable Dimension | 350mm |
| | Connector Type | SMA male |
| | Temperature Range | -20 °C ~ + 80 °C |

Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

Measured Results

S11

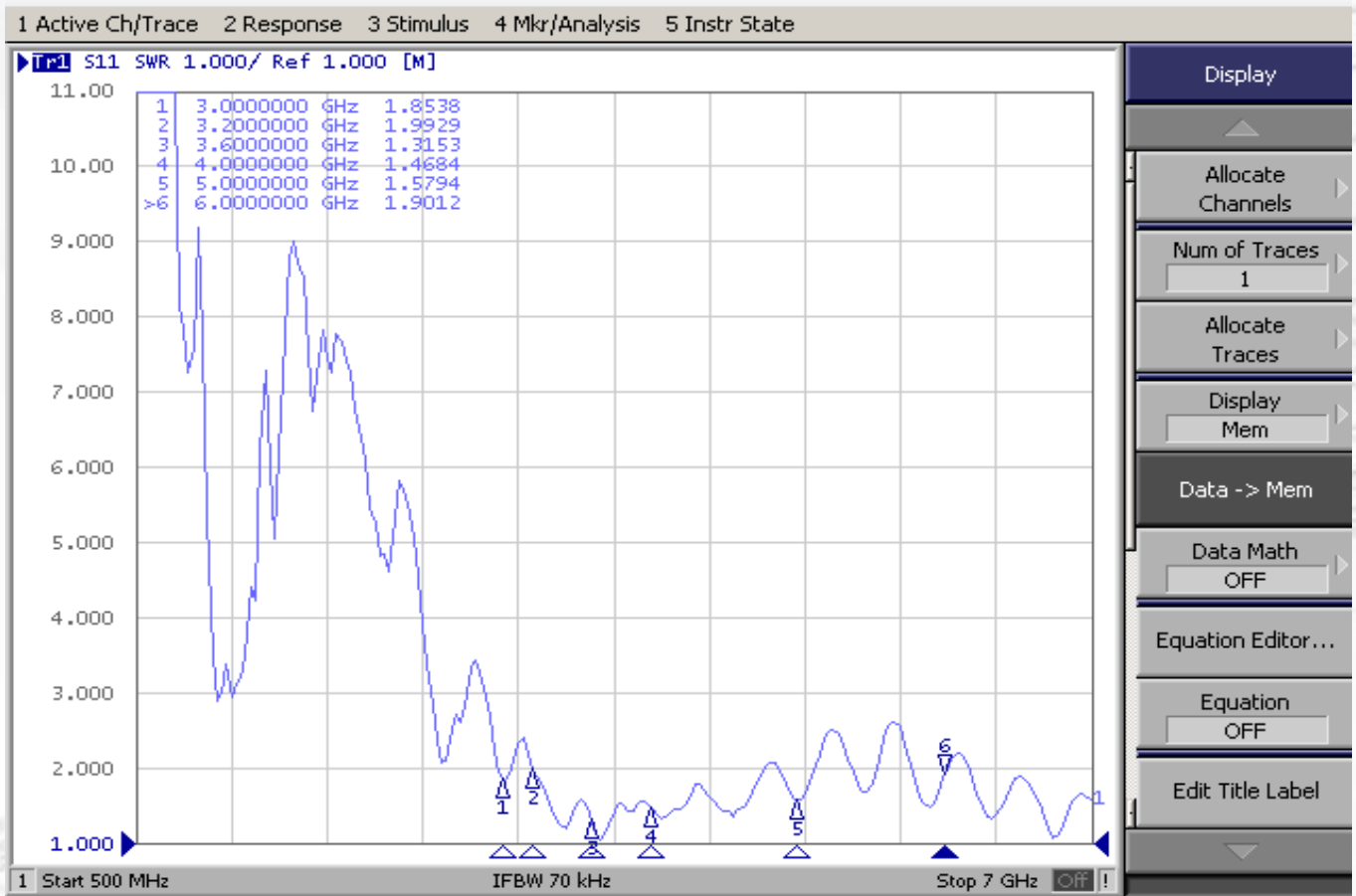


Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

Measured Results

VSWR



Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 3000 | 75.59 | -1.22 | 6.22 |
| 3100 | 83.78 | -0.77 | 6 |
| 3200 | 80.71 | -0.93 | 6.17 |
| 3300 | 87.96 | -0.56 | 6.07 |
| 3400 | 89.47 | -0.48 | 6.08 |
| 3500 | 72.17 | -1.42 | 5.27 |
| 3600 | 80.9 | -0.92 | 5.73 |
| 3700 | 64.88 | -1.88 | 4.46 |
| 3800 | 56.66 | -2.47 | 4.84 |
| 3900 | 67.64 | -1.7 | 5.96 |
| 4000 | 69.57 | -1.58 | 6.12 |
| 4100 | 72.76 | -1.38 | 6.46 |
| 4200 | 65.71 | -1.82 | 6.25 |
| 4300 | 62.62 | -2.03 | 5.52 |
| 4400 | 61.08 | -2.14 | 5.2 |
| 4500 | 59.45 | -2.26 | 5.07 |
| 4600 | 52.82 | -2.77 | 4.6 |
| 4700 | 52.39 | -2.81 | 4.23 |
| 4800 | 42.74 | -3.69 | 3.79 |
| 4900 | 47.66 | -3.22 | 4.64 |
| 5000 | 44.17 | -3.55 | 4.01 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 3000 | 85.37 | -0.69 | 6.4 |
| 3100 | 86.52 | -0.63 | 5.85 |
| 3200 | 80.15 | -0.96 | 6 |
| 3300 | 83.65 | -0.78 | 6.7 |
| 3400 | 91.59 | -0.38 | 6.73 |
| 3500 | 76.99 | -1.14 | 5.25 |
| 3600 | 76.75 | -1.15 | 5.59 |
| 3700 | 71.13 | -1.48 | 5.18 |
| 3800 | 65.35 | -1.85 | 4.73 |
| 3900 | 67.59 | -1.7 | 5.69 |
| 4000 | 64.09 | -1.93 | 5.29 |
| 4100 | 65.14 | -1.86 | 6.11 |
| 4200 | 64.26 | -1.92 | 4.54 |
| 4300 | 59.7 | -2.24 | 4.36 |
| 4400 | 62.36 | -2.05 | 5.2 |
| 4500 | 51.77 | -2.86 | 4.76 |
| 4600 | 48.48 | -3.14 | 4.02 |
| 4700 | 49.97 | -3.01 | 4.15 |
| 4800 | 46.16 | -3.36 | 5.19 |
| 4900 | 51.99 | -2.84 | 5.35 |
| 5000 | 46.18 | -3.36 | 3.73 |

Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 3000 | 80.25 | -0.96 | 5.89 |
| 3100 | 89.46 | -0.48 | 6.43 |
| 3200 | 83.09 | -0.8 | 5.55 |
| 3300 | 89.29 | -0.49 | 5.68 |
| 3400 | 85.67 | -0.67 | 4.9 |
| 3500 | 68.57 | -1.64 | 5.54 |
| 3600 | 74.24 | -1.29 | 5.66 |
| 3700 | 67.82 | -1.69 | 4.65 |
| 3800 | 62.89 | -2.01 | 5.17 |
| 3900 | 72.64 | -1.39 | 5.46 |
| 4000 | 70.18 | -1.54 | 5.54 |
| 4100 | 70.29 | -1.53 | 5.72 |
| 4200 | 67.08 | -1.73 | 4.71 |
| 4300 | 60.45 | -2.19 | 4.47 |
| 4400 | 53.35 | -2.73 | 4.04 |
| 4500 | 56.58 | -2.47 | 5.26 |
| 4600 | 52.52 | -2.8 | 4.97 |
| 4700 | 53.38 | -2.73 | 4.68 |
| 4800 | 47.34 | -3.25 | 4.49 |
| 4900 | 50.03 | -3.01 | 4.95 |
| 5000 | 45.09 | -3.46 | 3.91 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 3000 | 69.72 | -1.57 | 5.11 |
| 3100 | 60.17 | -2.21 | 3.39 |
| 3200 | 66.64 | -1.76 | 4.55 |
| 3300 | 80.72 | -0.93 | 5.82 |
| 3400 | 89.55 | -0.48 | 6.61 |
| 3500 | 80.35 | -0.95 | 5.53 |
| 3600 | 81.04 | -0.91 | 6.99 |
| 3700 | 76.56 | -1.16 | 7.01 |
| 3800 | 68.32 | -1.65 | 5.83 |
| 3900 | 74.15 | -1.3 | 5.11 |
| 4000 | 72.21 | -1.41 | 6.89 |
| 4100 | 76.28 | -1.18 | 6.55 |
| 4200 | 72.39 | -1.4 | 5.37 |
| 4300 | 56.82 | -2.46 | 4.25 |
| 4400 | 56.18 | -2.5 | 4.27 |
| 4500 | 47.23 | -3.26 | 3.59 |
| 4600 | 55.46 | -2.56 | 5.46 |
| 4700 | 53.39 | -2.73 | 4.78 |
| 4800 | 42.51 | -3.72 | 4.49 |
| 4900 | 50.75 | -2.95 | 5.46 |
| 5000 | 49.26 | -3.07 | 5.19 |