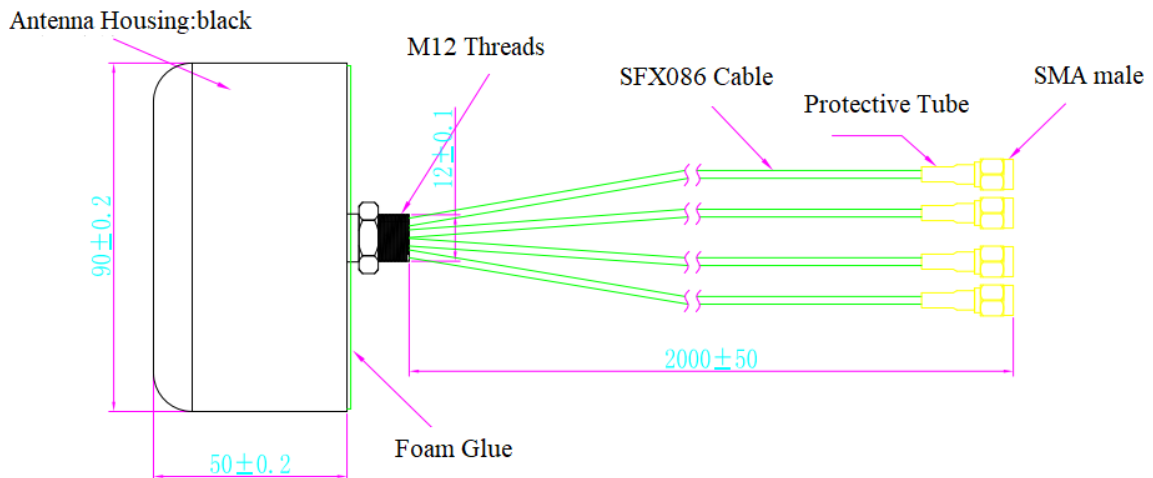


Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4



Mechanical Dimension



Maswell 5G Four in One MIMO Antenna

AN.5G.3200.3600.MIMO.IP4

Specifications

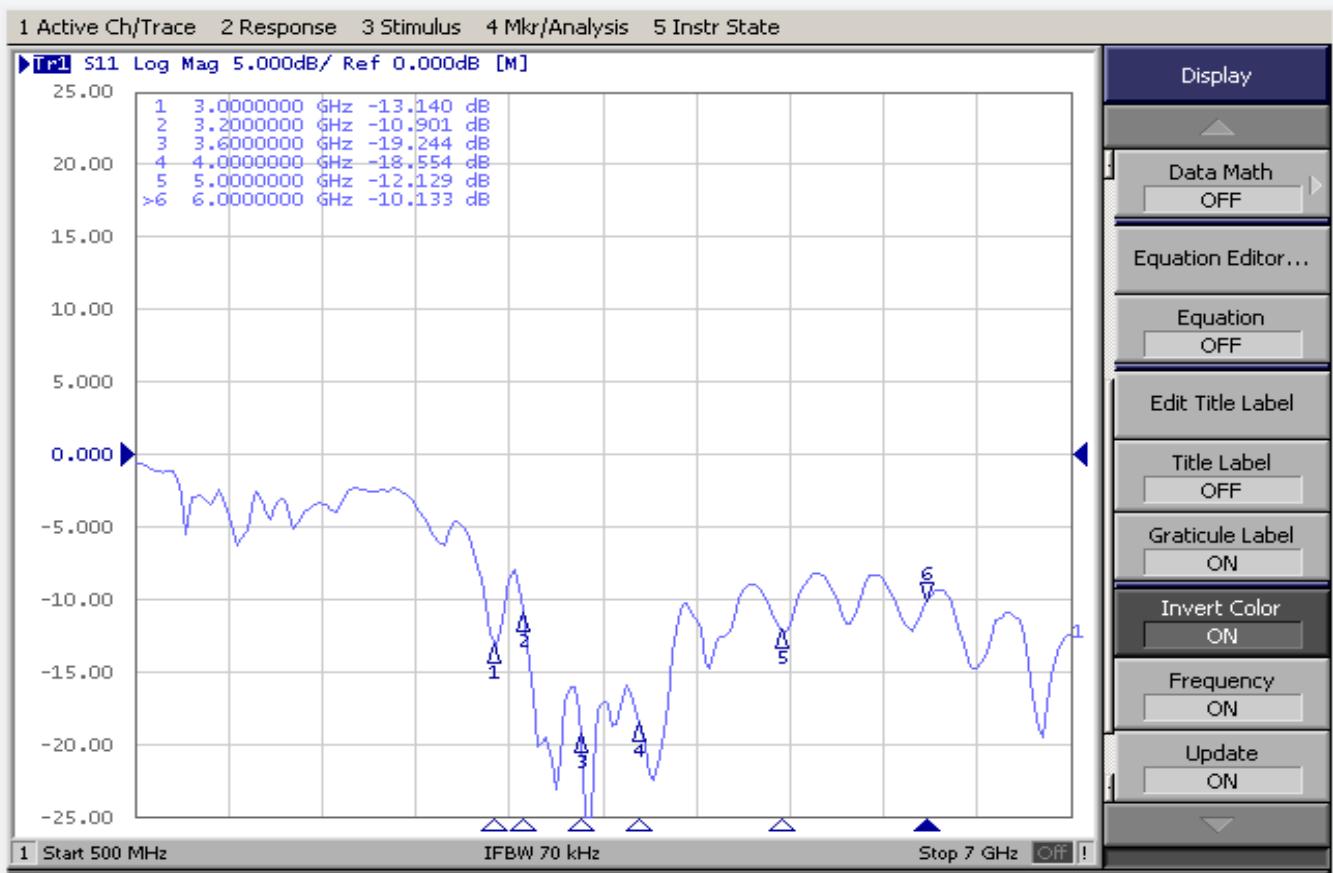
Item	Specifications	
5G Antenna1	Frequency Range	3200~3600MHz
	Gain	5dBi
	Efficiency	>50%
5G Antenna2	Frequency Range	3200~3600MHz
	Gain	5dBi
	Efficiency	>50%
5G Antenna3	Frequency Range	3200~3600MHz
	Gain	5dBi
	Efficiency	>50%
5G Antenna4	Frequency Range	3200~3600MHz
	Gain	5dBi
	Efficiency	>50%
Mechanical	Dimension	90mm*30mm
	Antenna Color	Black
	Cable Type	1.13 Black
	Cable Dimension	350mm
	Connector Type	IPEX-4
	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

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