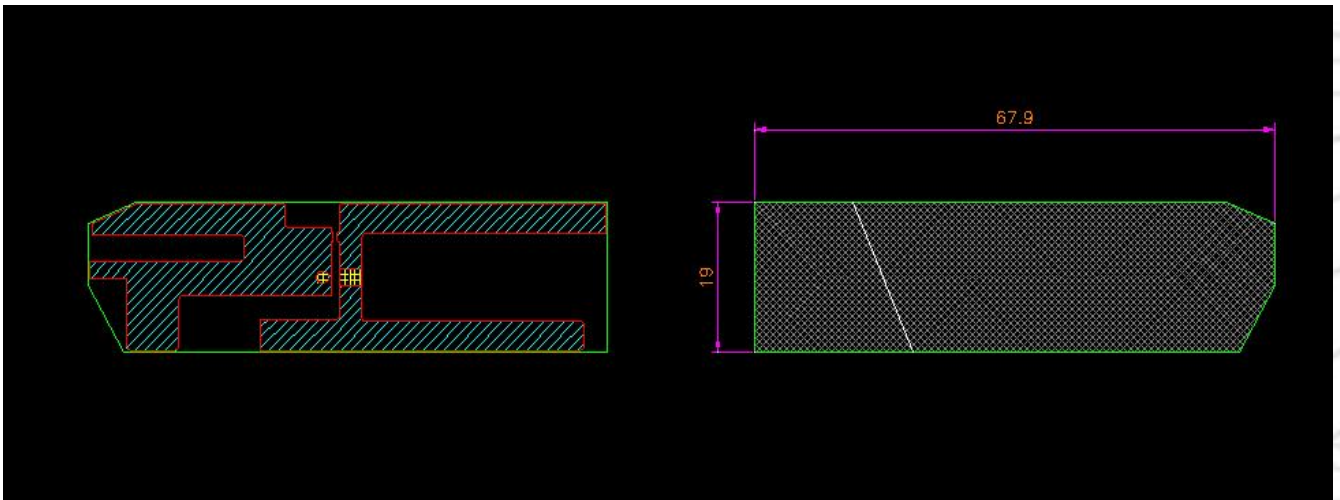


Maswell 5G/4G/LTE Built-in High Frequency Broadband Antenna

AN_Master_A04B



Maswell 5G/4G/LTE Built-in High Frequency Broadband Antenna

AN_Master_A04B

Specifications

Item	Specifications	
Antenna	Frequency Range	1400~6000MHz
	Gain	3.5dBi (Zenith)
	Efficiency	> 50%
Mechanical	Cable	SFX086
	Cable Size	2M typ.
	Connector	SMA typ.
	Dimension	19*67.9mm
	Operating Temperature	-20°C~+80°C

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Measured Data

Freq (MHz)	Effi (%)
1400	53.82
1420	37.52
1440	31.72
1460	28.88
1480	34.24
1500	34.89
1520	33.49
1540	39.07
1560	40.27
1580	51.05
1600	55.41
1620	67.83
1640	75.89
1660	72.57
1680	68.79
1700	72.34
1720	70.13
1740	75.41
1760	76.86
1780	74.89
1800	76.14
1820	72.08
1840	79.96
1860	76.59
1880	74.62
1900	77.58
1920	75.51

Freq (MHz)	Effi (%)
1940	70.87
1960	76.19
1980	75.04
2000	76.87
2020	71.18
2040	72.29
2060	74.24
2080	73.86
2100	75.27
2120	63.79
2140	59.49
2160	58.27
2180	59.73
2200	65.89
2220	66.73
2240	71.05
2260	69.82
2280	67.24
2300	66.47
2320	68.29
2340	69.82
2360	70.05
2380	68.45
2400	71.13
2420	68.54
2440	68.56
2460	69.01

Freq (MHz)	Effi (%)
2480	75.39
2500	81.73
2520	79.21
2540	76.7
2560	78.87
2580	78.65
2600	78.7
2620	74.36
2640	71.41
2660	73.5
2680	75.91
2700	71.16
2720	69.71
2740	67.69
2760	74.84
2780	73.56
2800	73.82
2820	70.91
2840	71.98
2860	73.71
2880	72.39
2900	75.23
2920	73.51
2940	71.43
2960	70.69
2980	78.96
3000	72.66

Freq (MHz)	Effi (%)
3000	71.91
3100	76.84
3200	68.92
3300	71.39
3400	67.24
3500	56.88
3600	60.91
3700	56.14
3800	50.33
3900	55.27
4000	53.41
4100	56.41
4200	53.53
4300	62.16
4400	58.16
4500	66.29
4600	60.82
4700	62.33
4800	61.46
4900	53.09
5000	49.03
5100	53.2
5200	55.48
5300	64.65
5400	70.77
5500	69.43
5600	62.97
5700	65.19
5800	68.92
5900	66.48
6000	72.53