

Shenzhen Huasifei Technology Co., Ltd

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Shenzhen

Customer: HUASIFEI

Project: W01

Product: 2.4G&5.8GWIFI Antenna

Report date: 2022.12.21

Purpose

This report is to measure the performance of SLK for Master Antenna on HUASIFEI. All measure date are showed below.

Content

1. Product Overview

2.Test Result

2.1 Radiation pattern

2.2 Gain frequency

2.3 WIFI MAIN/AUX Antenna Marginal test

3. Conclusions

1. Product Overview & Dimension



2. Test Result

2.1 Gain frequency

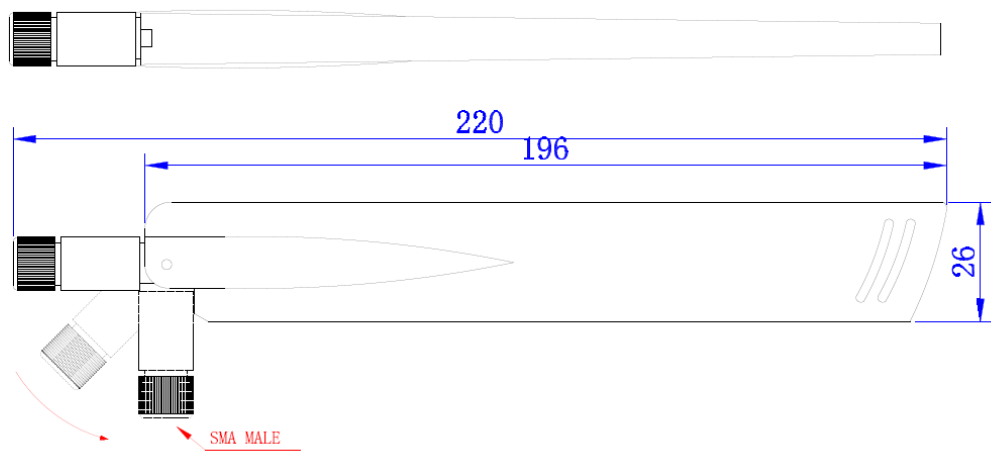
Freq. (MHz)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)
2400.0	1.61	4.17	55.5%	-2.56	1.61
2410.0	1.87	4.23	58.1%	-2.36	1.87
2420.0	2.10	4.34	59.7%	-2.24	2.10
2430.0	2.10	4.44	58.4%	-2.34	2.10
2440.0	1.93	4.38	56.9%	-2.45	1.93
2450.0	1.55	4.19	54.4%	-2.64	1.55
2460.0	1.43	4.05	54.6%	-2.63	1.43
2470.0	1.54	4.02	56.5%	-2.48	1.54
2480.0	1.62	4.13	56.1%	-2.51	1.62
2490.0	1.93	4.31	57.9%	-2.37	1.93
2500.0	2.09	4.30	60.1%	-2.21	2.09

Freq. (MHz)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)
5700.0	4.28	5.46	76.1%	-1.19	4.28
5750.0	6.13	6.79	85.9%	-0.66	6.13
5800.0	4.94	5.64	85.1%	-0.70	4.94
5850.0	5.09	5.90	83.0%	-0.81	5.09
5900.0	4.41	5.81	72.4%	-1.40	4.41

[illegible]

[illegible]

3. Antenna parameters



1. Dimension $194\pm 2\text{mm}$
2. Connector Sma-Female
3. Radome material TPE、ABS
4. Radome color black
5. Working temperature $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$
6. Storage temperature $-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$