

Product Specification

(物料编码: 2300206000034)

Customer	北斗星通智联科技有限责任公司
Part Number	N65W
Product Type	WIFI Antenna
Issue Date	2021.10.18
Rev.	A
Maker	Rma
Approval	Maye

Customer Approval

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Product Layout



Electrical Specification

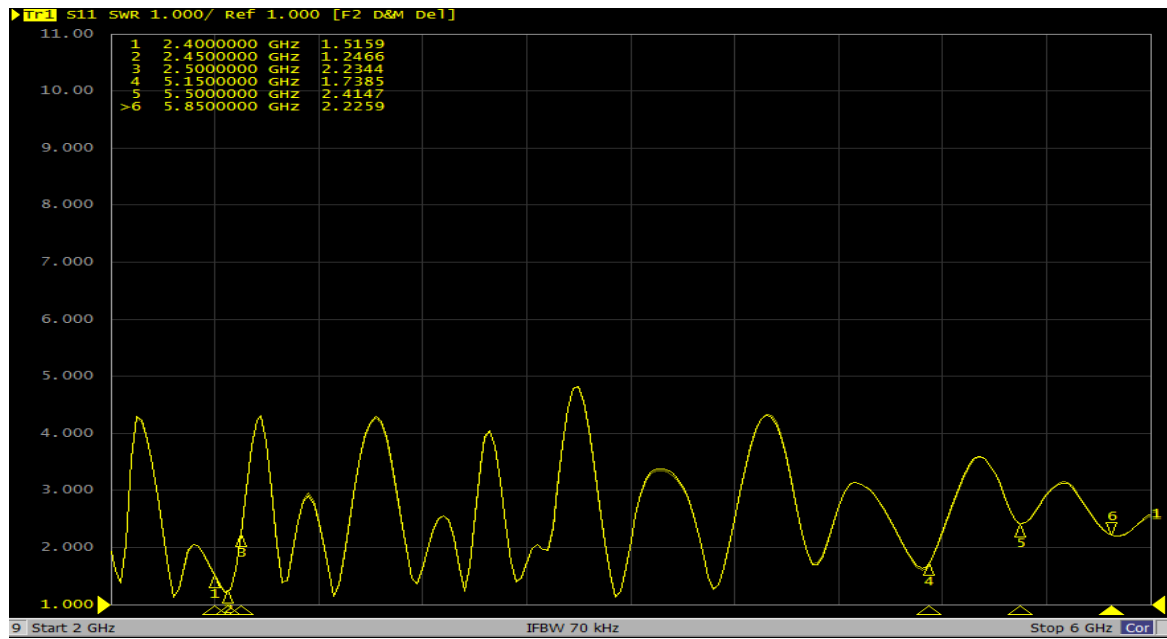
Item	Description
Frequency Range	2.4G-5.85GHz
VSWR	3.0Max
Peak Gain	3.8dBi
Polarization	Linear
Input Impedance	50 Ohm
Operation Temperature	-40~105℃

Note: Antenna gain includes the connector and cable loss.

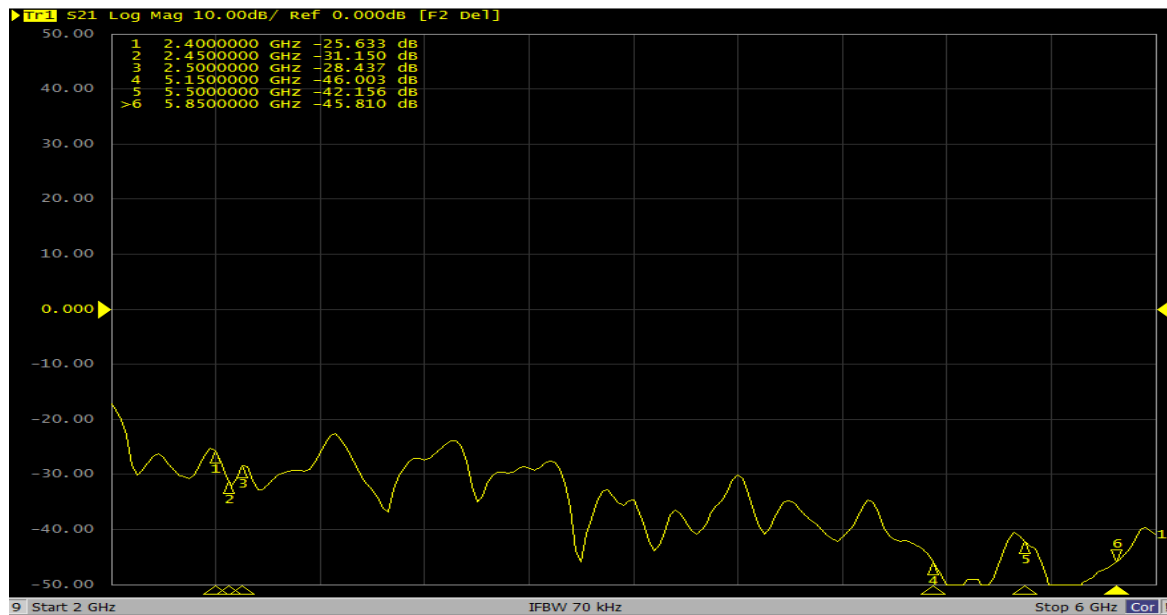
Antenna Test Matching

No change be done on the prototype's original circuit.

VSWR



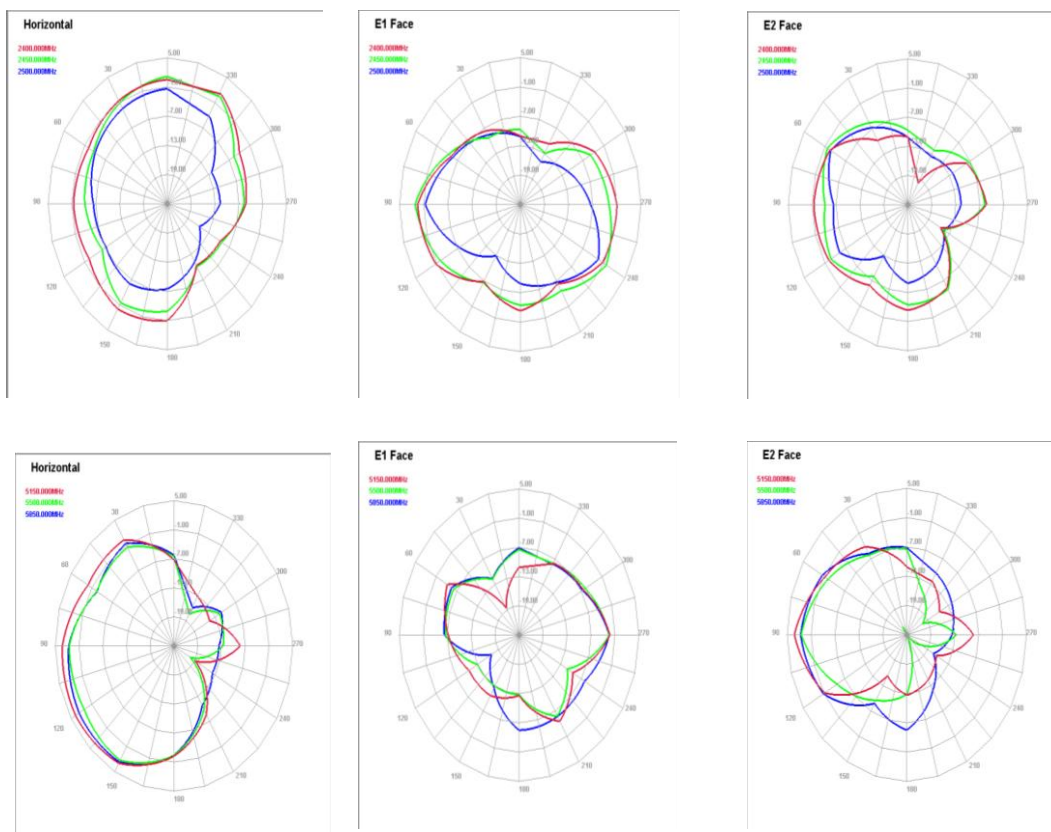
Isolation



Antenna Efficiency VS Gain

WIFI							
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.3	-4.0	0.4	5150	44.8	-3.5	3.7
2410	38.3	-4.2	0.4	5200	34.2	-4.7	2.3
2420	42.5	-3.7	1.2	5250	30.0	-5.2	1.3
2430	35.8	-4.5	0.6	5300	26.4	-5.8	0.7
2440	41.6	-3.8	1.5	5350	31.1	-5.1	1.6
2450	36.8	-4.4	1.1	5400	31.6	-5.0	1.7
2460	39.0	-4.1	1.5	5450	33.4	-4.8	2.3
2470	38.8	-4.1	1.4	5500	32.2	-4.9	2.3
2480	39.2	-4.1	1.3	5550	35.3	-4.5	3.0
2490	36.6	-4.4	1.2	5600	28.6	-5.4	1.9
2500	35.1	-4.5	1.3	5650	34.5	-4.6	2.7
				5700	29.0	-5.4	1.8
				5750	33.9	-4.7	2.6
				5800	32.8	-4.8	2.5
				5850	40.4	-3.9	3.8

Antenna Radiation Pattern



--- HXW Confidential & Proprietary ---

Mechanical Specification

