

Product Specification

(物料编码: 2300206000033)

Customer	北斗星通智联科技有限责任公司
Part Number	N65B
Product Type	BT Antenna
Issue Date	2021.10.18
Rev.	A
Maker	Rma
Approval	Maye

Customer Approval

List

1. Product Layout
2. Electrical Specification
3. Antenna Test Matching
4. VSWR
5. Isolation
6. Antenna Efficiency VS Gain
7. Antenna Radiation Pattern
8. Mechanical Specification

Product Layout

Electrical Specification

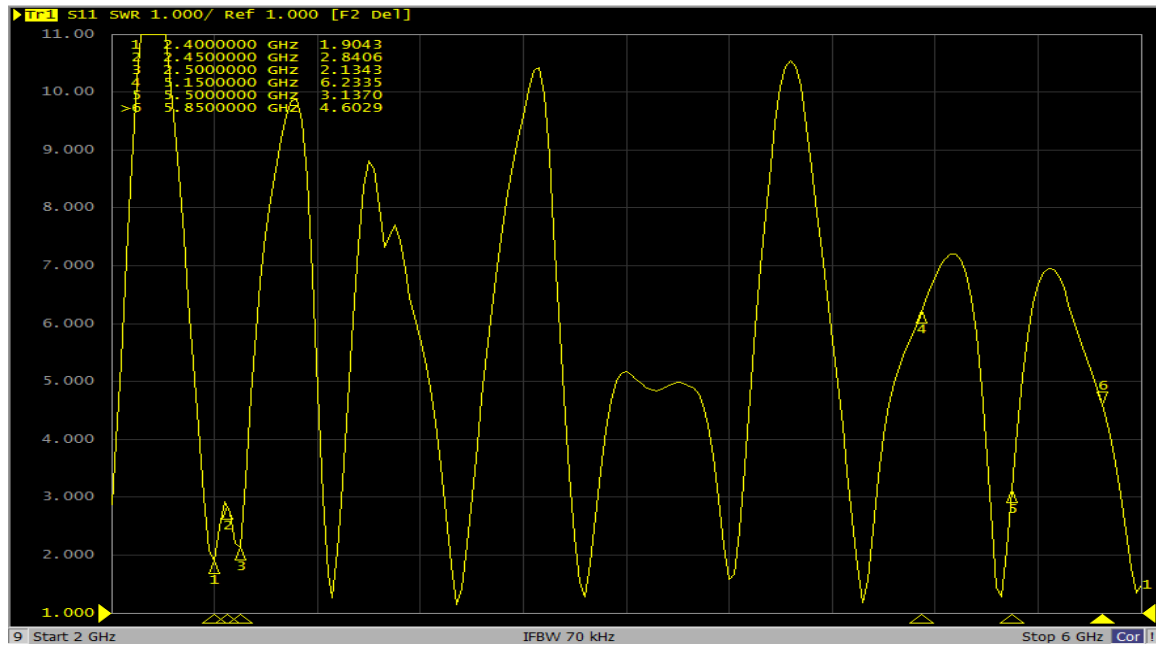
Item	Description
Frequency Range	2.4G-2.5GHz
VSWR	3.0 Max
Peak Gain	2.7 dBi
Polarization	Linear
Input Impedance	50 Ohm
Operation Temperature	-40~105℃

Note: Antenna gain includes the connector and cable loss.

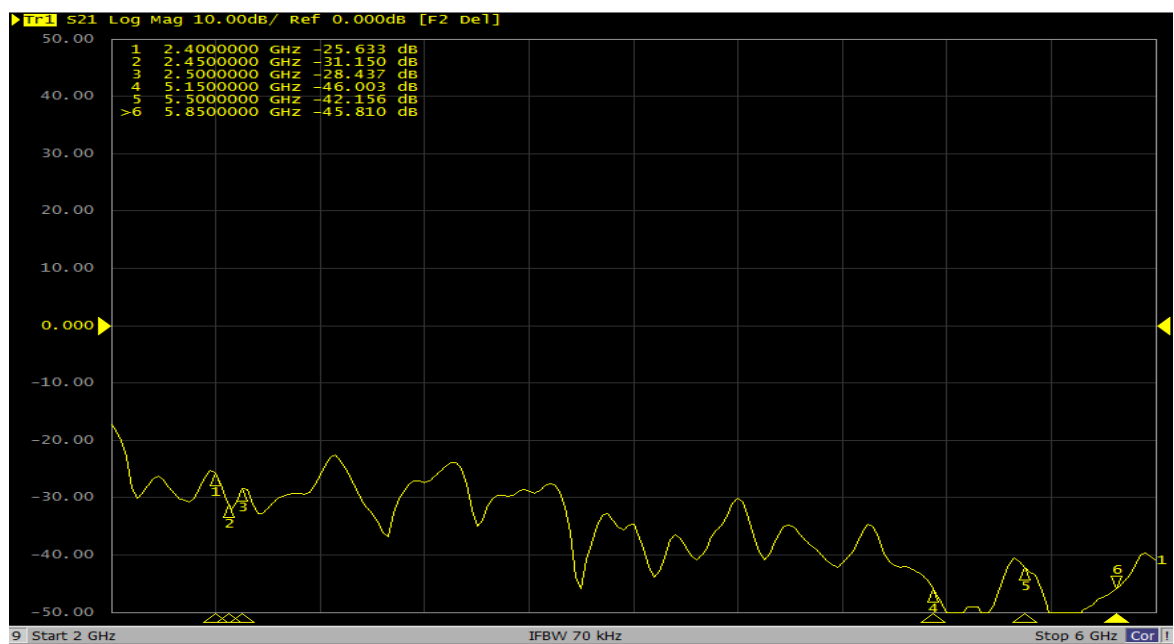
Antenna Test Matching

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

VSWR



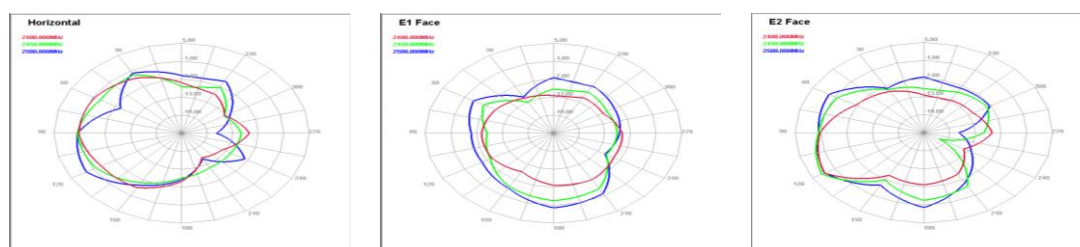
Isolation



Antenna Efficiency VS Gain

BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	25.0	-6.0	2.7
2410	24.0	-6.2	2.3
2420	27.0	-5.7	2.5
2430	22.1	-6.6	1.3
2440	26.6	-5.8	1.6
2450	29.2	-5.3	1.5
2460	33.3	-4.8	1.5
2470	38.9	-4.1	1.7
2480	34.6	-4.6	1.0
2490	33.7	-4.7	0.6
2500	24.4	-6.1	-0.8

Antenna Radiation Pattern



Mechanical Specification

