

Version of the no.: SPEC-20230103

effective date

commencement date: 2023-01-03

Shenzhen Binmeda Technology Co., Ltd

2. 4GHz MR2051 antenna

Acknowledge the book

customer name:	manufacturer: Shenzhen Binmeda Technology Co., Ltd
Customer Material Number:	product model : MR2051
Part of :	serial number: BMD20230103 versions: A02

This Specifications is received

SIGN:

DATE:

Drawn by	Checked by	Approved by
Jimmy 2023/01/03	Jony 2023/01/03	Jimmy 2023/01/03

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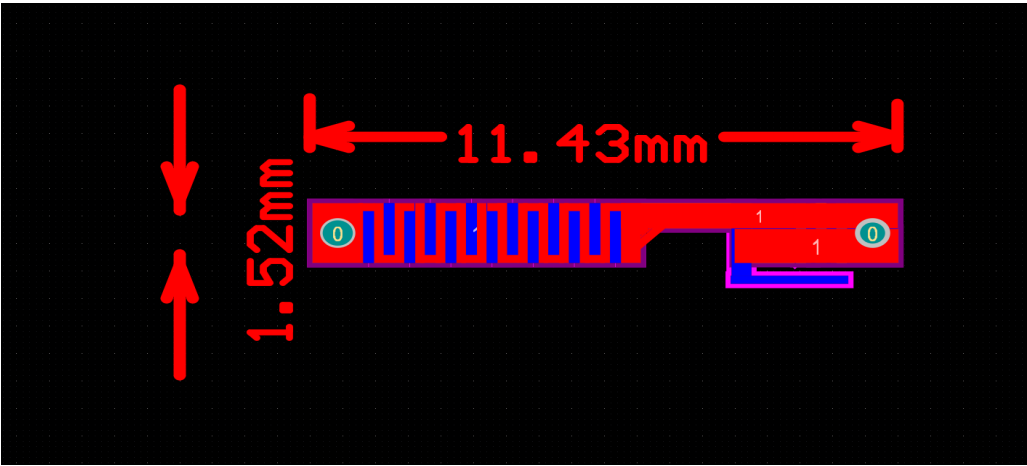
Business Mailbox : jimmyfu@binmeda.com

1. Description

1.1 Specifications

Antennas Type	PCB antenna 2.4GHz application
Frequency	2.4-2.5GHz
Impedance	50Ω
Polarization	Linear
Radiation pattern	Omni-directional
VSWR	2.5 Max
Peak gain	0.6DBI
Connector Type	w/o
Cable Type	w/o
Cable length	w/o

1.2 Antenna Picture

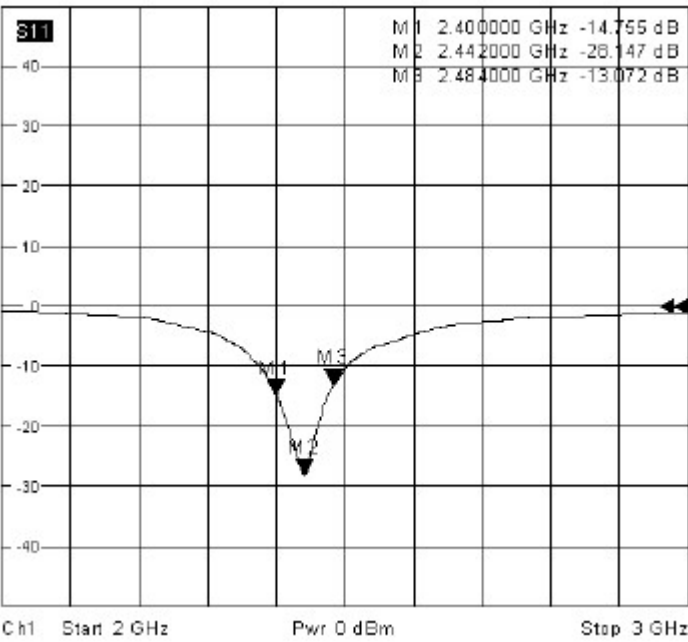


2.4G Antenna

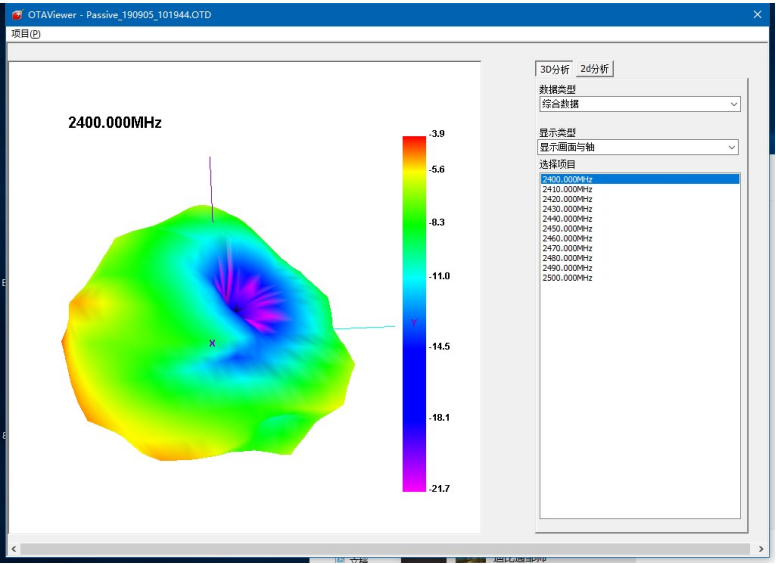
2. Performance Data

2.1 Passive data

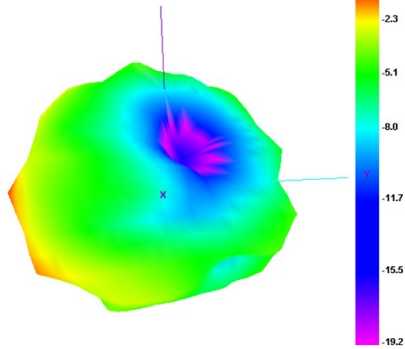
Return Loss



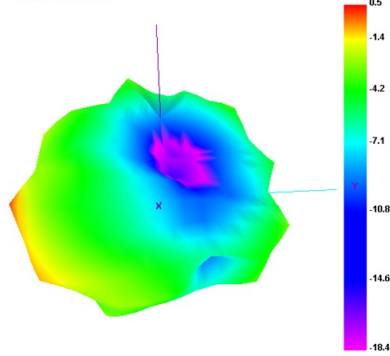
2.2 Radiation Pattern



2450.000MHz



2480.000MHz

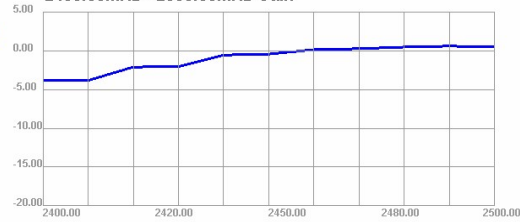


Gain

Passive Test For											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver	
2400	16.51	-7.82	-3.87	-6.02	7.75	8.758	-3.87	-21.66	49.83	49.6	
2410	16.48	-7.83	-3.83	-5.98	8.114	8.366	-3.83	-22.7	50.61	50.51	
2420	22.55	-6.47	-2.1	-4.25	10.801	11.749	-2.1	-21.74	50.1	50.09	
2430	23.07	-6.37	-2.05	-4.2	11.315	11.75	-2.05	-21.31	50.06	49.88	
2440	31.57	-5.01	-0.55	-2.7	15.149	16.42	-0.55	-19.82	50.54	50.61	
2450	32.41	-4.89	-0.43	-2.58	15.77	16.643	-0.43	-19.24	50.13	50.1	
2460	35.98	-4.44	0.14	-2.01	17.288	18.688	0.14	-18.06	50.45	50.43	
2470	36.79	-4.34	0.27	-1.88	17.953	18.839	0.27	-17.82	50.73	50.88	
2480	37.68	-4.24	0.48	-1.67	18.306	19.376	0.48	-18.39	50.77	50.82	
2490	39.13	-4.08	0.6	-1.55	19.56	19.566	0.6	-18.92	50.63	50.49	
2500	36.79	-4.34	0.49	-1.66	18.376	18.413	0.49	-19.15	51.51	51.73	

Application Information	
04Version	4.95.303
TotalTime	12m 55s 211ms
AdditionalInfor	NULL

2400.00MHz - 2500.00MHz Gain



2400.00MHz - 2500.00MHz Efficiency

