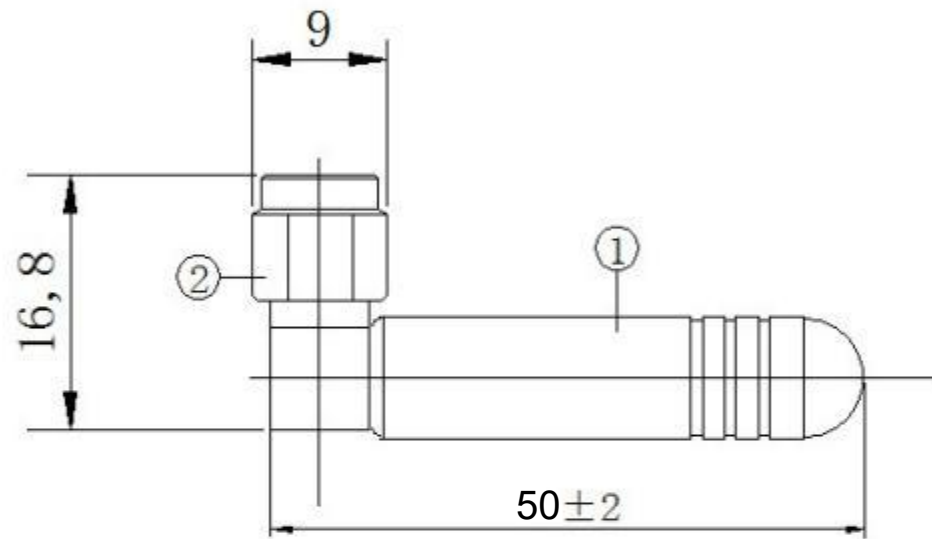


承认书项目表

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SIGN	DATE	DESCRIPTION	APPROVER
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东莞市脉讯电子有限公司

TITLE: 2.4GHz Antenna

PART NO.: NB2450-A050B

DWG NAME: NB2450-A050B.DWG

APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm	Tolerance
jeff 2018-11-19	leon 2018-11-19	YD 2018-11-19	SCALE: 1/1	X.X ±0.20 X.XX ±0.10 X' ±3"
			REVISION: A	

No.	Part Number	Description	Material	Finished	Q'ty
2	SMA201	SMA公头	铜	镀金	1
1	AN5701	本体	PC+ABS	黑色	1

电性测试报告

Test Reports

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	<= 2.0
Antenna Gain	3 dBi
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Material of Plastic	Body: PC+ABS
Connector Type	SMA Male Reverse
Connector Pull Test	>= 2 Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C

2、Antenna gain and efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Peak EIRP (dBm)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
Directivity (dBi)	6.04	5.96	5.80	5.70	5.70	5.75	5.81	5.89	5.90	5.83	5.75
Efficiency (dB)	-10.36	-10.71	-10.95	-11.05	-11.29	-11.34	-11.57	-12.00	-12.13	-12.18	-12.43
Efficiency (%)	9.20	8.50	8.00	7.90	7.40	7.30	7.00	6.30	6.10	6.10	5.70
Gain (dBi)	-4.32	-4.75	-5.15	-5.35	-5.59	-5.59	-5.76	-6.11	-6.23	-6.36	-6.68
NHPRP ± Pi/ 4 (dBm)	-11.34	-11.70	-11.95	-12.06	-12.30	-12.33	-12.56	-12.99	-13.12	-13.19	-13.44
NHPRP ± Pi/ 6 (dBm)	-12.63	-13.00	-13.26	-13.37	-13.62	-13.65	-13.89	-14.34	-14.49	-14.59	-14.87
NHPRP ± Pi/ 8 (dBm)	-13.62	-14.00	-14.26	-14.39	-14.65	-14.70	-14.95	-15.41	-15.59	-15.71	-16.01
Upper Hem. PRP (dBm)	-16.13	-16.53	-16.81	-16.96	-17.23	-17.24	-17.47	-17.92	-18.05	-18.06	-18.22
Lower Hem. PRP (dBm)	-11.70	-12.03	-12.25	-12.34	-12.57	-12.63	-12.86	-13.28	-13.41	-13.48	-13.76
Upper Hem. PRP (%)	2.44	2.22	2.09	2.01	1.89	1.89	1.79	1.61	1.57	1.56	1.51
Lower Hem. PRP (%)	6.77	6.27	5.96	5.84	5.53	5.46	5.17	4.69	4.56	4.49	4.21

S 参数测试

S Parameter Test

AgilentE5071C

