

Antenna Acknowledgement

Applicable model			
Customer			
Specification description			
	Product content	Specification	Customer material code
Specification description	BT Antenna	Antenna	
Change of resume			
Serial number	Date	Version	Brief description of the changes
1	2025-04-21	V1.0	New project
2			
3			

Supplier sample confirmation					
Research And Development	Structure	To Examine	Determine		
			PASS FAIL		
Customer sample confirmation					
Electronics	Structure	Project	Purchase	Quality	To Examine
Reasons for rejection or other precautions:					

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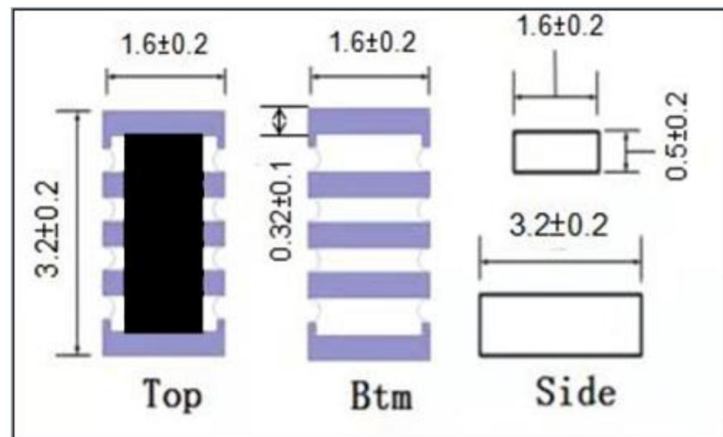
Manufacturer: Shenzhen Qianmu Communication Technology Co.,Ltd.

Address: Floor 4, Block A, Hangcheng High-tech Industrial Park, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, ShenzhenNo.425, 443

1、 Matching circuit BTantenna

Antenna Dimensions

Configuration and Dimensions:



2、 2. 4GAntenna 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
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)	-12.11	-12.09	-12.02	-11.76	-11.77	-11.50	-11.52	-11.70	-11.57	-11.31	-11.23
Peak EIRP (dBm)	-7.69	-7.59	-7.51	-7.26	-7.33	-7.17	-7.15	-7.18	-6.97	-6.63	-6.59
Directivity (dBi)	4.42	4.50	4.51	4.50	4.44	4.33	4.37	4.51	4.60	4.69	4.65
Efficiency (dB)	-12.11	-12.09	-12.02	-11.76	-11.77	-11.50	-11.52	-11.70	-11.57	-11.31	-11.23
Efficiency (%)	6.10	6.20	6.30	6.70	6.70	7.10	7.00	6.80	7.00	7.40	7.50
Gain (dBi)	-7.69	-7.59	-7.51	-7.26	-7.33	-7.17	-7.15	-7.18	-6.97	-6.63	-6.59
NHPRP $\pm \pi/4$ (dBm)	-13.89	-13.86	-13.78	-13.54	-13.54	-13.28	-13.29	-13.45	-13.30	-13.02	-12.92
NHPRP $\pm \pi/6$ (dBm)	-15.70	-15.66	-15.56	-15.31	-15.31	-15.06	-15.08	-15.23	-15.06	-14.75	-14.63
NHPRP $\pm \pi/8$ (dBm)	-17.03	-17.00	-16.92	-16.67	-16.70	-16.46	-16.48	-16.63	-16.44	-16.10	-15.96
Upper Hem. PRP (dBm)	-14.99	-14.98	-14.88	-14.61	-14.63	-14.32	-14.36	-14.54	-14.39	-14.08	-13.95
Lower Hem. PRP (dBm)	-15.27	-15.23	-15.18	-14.94	-14.93	-14.71	-14.70	-14.88	-14.78	-14.57	-14.56
Upper Hem. PRP (%)	3.17	3.18	3.25	3.46	3.44	3.70	3.67	3.52	3.64	3.91	4.03
Lower Hem. PRP (%)	2.97	3.00	3.03	3.20	3.21	3.38	3.38	3.25	3.33	3.49	3.50

3、 Antenna Pattern

