

深圳市千目通讯科技有限公司

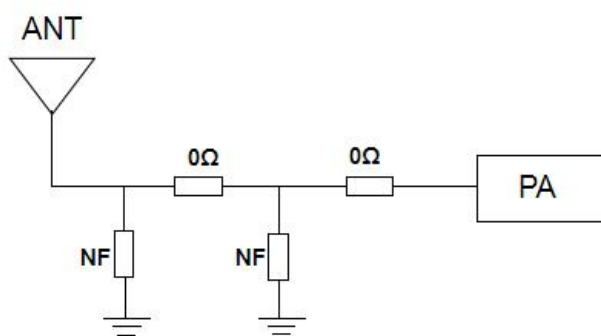
Shenzhen Qianmu Communication Technology Co.,Ltd.

Antenna Acknowledgement Letter

Applicable model	880Q		
Customer	Motivation is generous.		
Description of specifications			
	Product content	Specifications	Customer material code
Description of specifications	WIFI antenna	FPC/Black/Chart QM-A880-WIFI+ WireΦ0.81*35mm	
	Wireless microphone antenna	FPC/Black/Chart QM-A880-Wireless microphone + wireΦ0.81*45mm	
Change the resume			
Serial number	Date	Edition	Brief description of the change content
1	2023-03-31	V1.0	New project
2			
3			

Supplier sample confirmation					
Research and develop	Organization	Check	Decide		
			PASS ☒ FAIL ☐		
Customer sample confirmation					
Electron	Organization	Project	Purchase	Character	Check
Reasons for rejection or other precautions:					

1、 Matching circuit-wifi antenna



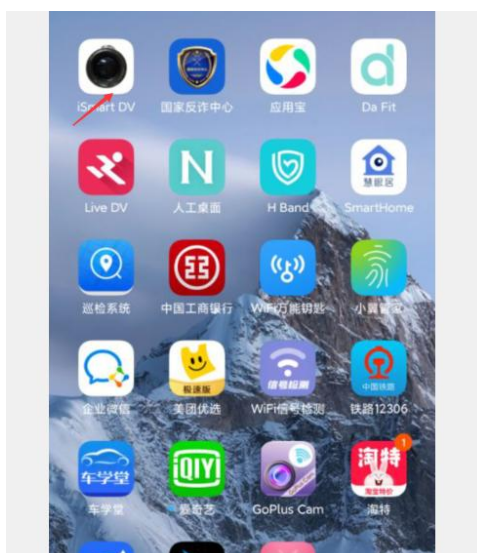
Our company has not made any modifications to the matching circuit.

2、 Environmental treatment instructions



Location of wifi antenna Wireless microphone antenna position

3、 Antenna test



TestAPP

WIFI antenna: within 9 meters, the WIFI signal picture is clear, the signal strength is relatively high, and the signal is smooth and uninterrupted.

[illegible]

[illegible]

Max gain: 0.35dBi

FETUKEJI											
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)	-7.00	-6.86	-6.71	-6.34	-6.17	-5.85	-5.69	-5.91	-5.70	-5.46	-5.33
Peak EIRP (dBm)	-1.68	-1.64	-1.52	-1.11	-0.90	-0.40	-0.16	-0.35	-0.07	0.25	0.35
Directivity (dBi)	5.32	5.22	5.19	5.23	5.27	5.45	5.53	5.56	5.63	5.70	5.68
Efficiency (dB)	-7.00	-6.86	-6.71	-6.34	-6.17	-5.85	-5.69	-5.91	-5.70	-5.46	-5.33
Efficiency (%)	20.00	20.60	21.30	23.20	24.20	26.00	27.00	25.70	26.90	28.50	29.30
Gain (dBi)	-1.68	-1.64	-1.52	-1.11	-0.90	-0.40	-0.16	-0.35	-0.07	0.25	0.35
NHPRP $\pm\pi/4$ (dBm)	-8.21	-8.07	-7.92	-7.55	-7.37	-7.03	-6.87	-7.09	-6.91	-6.69	-6.58
NHPRP $\pm\pi/6$ (dBm)	-9.56	-9.44	-9.30	-8.94	-8.77	-8.45	-8.27	-8.49	-8.31	-8.10	-7.99
NHPRP $\pm\pi/8$ (dBm)	-10.62	-10.50	-10.37	-10.01	-9.86	-9.53	-9.34	-9.55	-9.37	-9.17	-9.06
Upper Hem. PRP (dBm)	-10.91	-10.73	-10.57	-10.24	-10.09	-9.80	-9.73	-10.04	-9.90	-9.68	-9.54
Lower Hem. PRP (dBm)	-9.26	-9.15	-9.00	-8.62	-8.43	-8.08	-7.87	-8.02	-7.78	-7.52	-7.41
Upper Hem. PRP (%)	8.12	8.45	8.76	9.47	9.79	10.46	10.65	9.91	10.24	10.76	11.12
Lower Hem. PRP (%)	11.86	12.15	12.58	13.75	14.37	15.54	16.33	15.76	16.68	17.71	18.17

