

Specification

Parts No.: Bluetooth antenna (left earbud)

Supplier: Shenzhen Nqi network communication., ltd

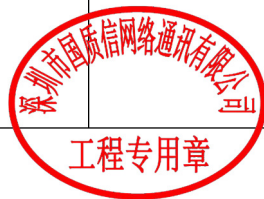
Brand: Nqi

Type/Spec: Nqi-0656-L-BT-FB-V6

Document No.: Nqi-RD-SPEC-20220917

Version: V6

Supplier		Customer	
Approved By	Prepared By	Engineering Dept	Quality Dept



1. Electrical Parameter

Frequency	2400-2500MHz
Impedance	50 ohm
VSWR	≤2.5
Gain	-3.45dBi
Polarization	horizontal
Directivity	Omni antenna

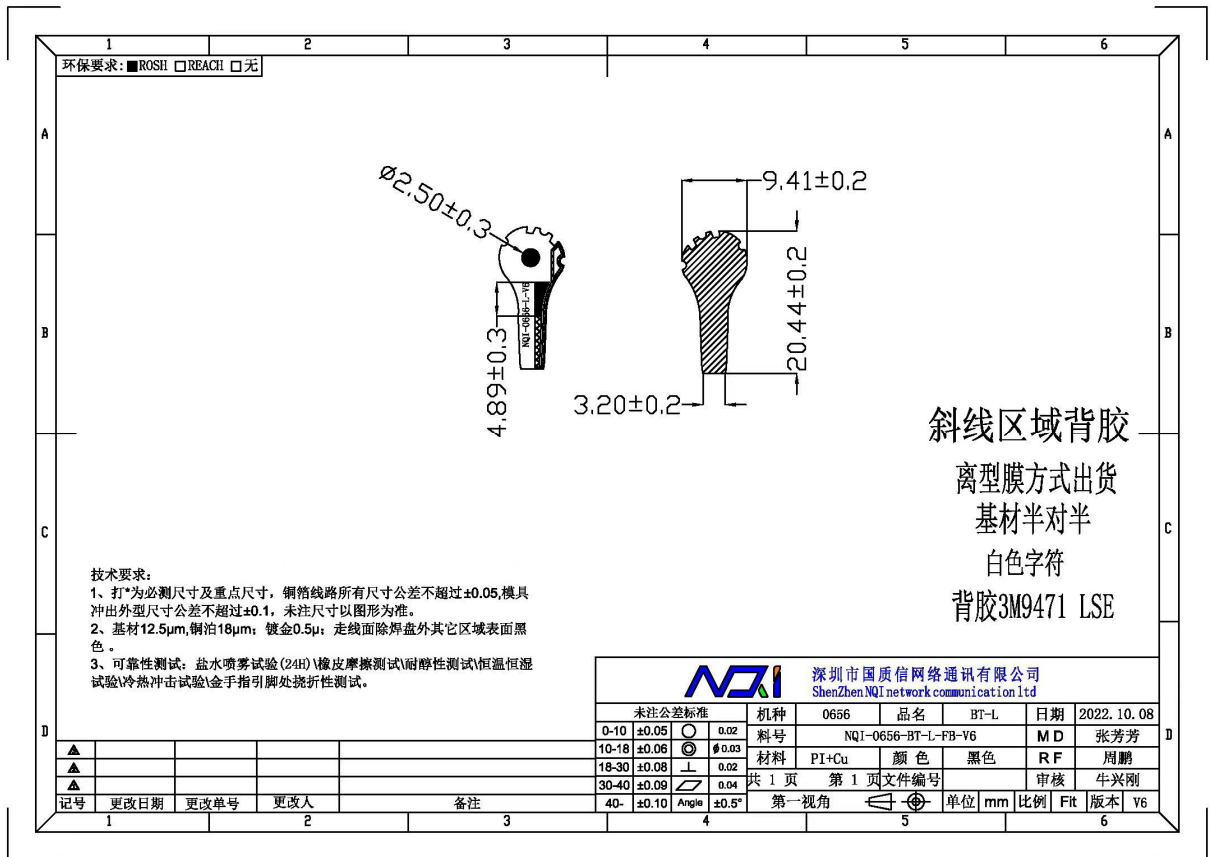
2. Temperature

Operating temperature	-30℃~65℃
Storage temperature	-30℃~75℃

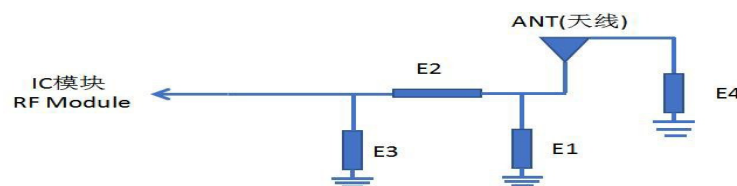
3. Photo



4.physical dimension



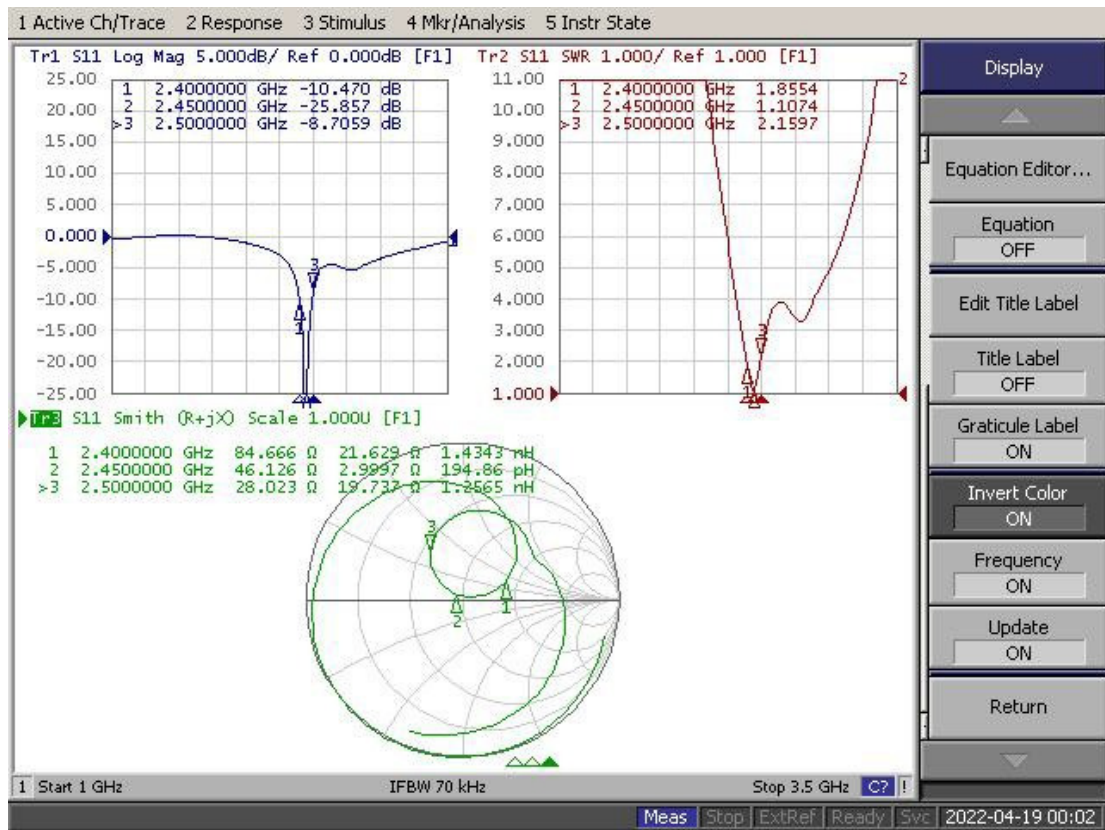
5.Match circuit



Element	(Value)
E1(0201)	NA
E2(0201)	0 Ω
E3(0201)	NA
E4(0201)	NA

6. Parameter

6.1 VSWR



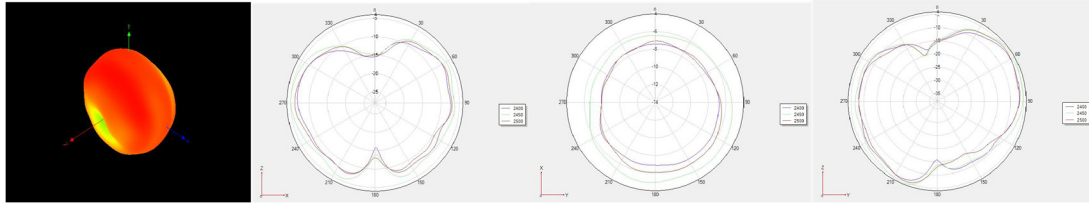
6.2 Gain

Free Space

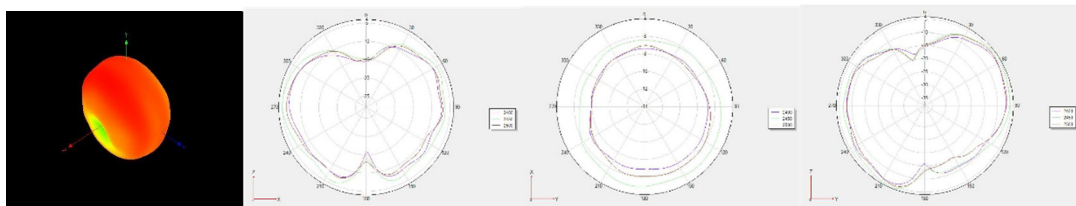
Freq (MHz)	Effi (%)	Gain (dBi)
2400	26.54	-3.45
2450	26.98	-3.99
2500	25.87	-3.85

6.3 3D

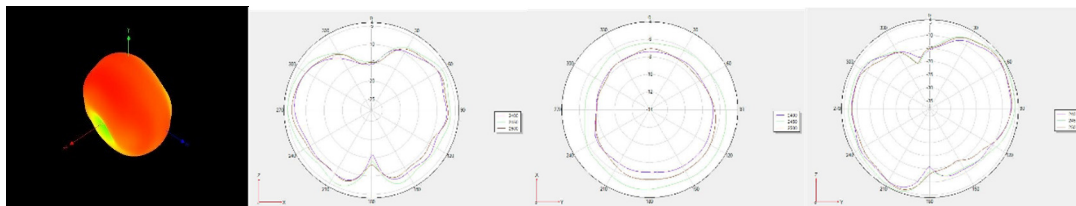
2400MHz



2450MHz



2500MHz



6.4 TRP & TIS

NQi ANT TRP&TIS parameter Summary of 0656				
Free space	Test	Bluetooth TRP&TIS		
	Result	0	39	78
	TRP (dBm)	0.41	0.39	0.69
	TIS (dBm)	-81.56	-81.38	-81.69
NQi ANT TRP&TIS parameter Summary of 0656				
Second generation head ear mold	Test	Bluetooth TRP&TIS		
	Result	0	39	78
	TRP (dBm)	-4.52	-4.43	-4.03
	TIS (dBm)	-78.02	-78.26	-78.41