

Specification

Parts No.: Bluetooth antenna (right earbud)

Supplier: Shenzhen NQI network communication., ltd

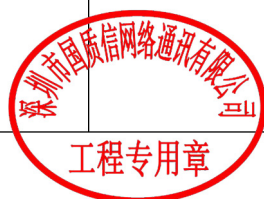
Brand: NQI

Type/Spec: NQI-0656-R-BT-FB-V6

Document No.: NQI-RD-SPEC-20220918

Version: V6

Supplier		Customer	
Approved By	Prepared By	Engineering Dept	Quality Dept



1. Electrical Parameter

Frequency	2400-2500MHz
Impedance	50 ohm
VSWR	≤ 2
Gain	-0.57dBi
Polarization	horizontal
Directivity	Omni antenna

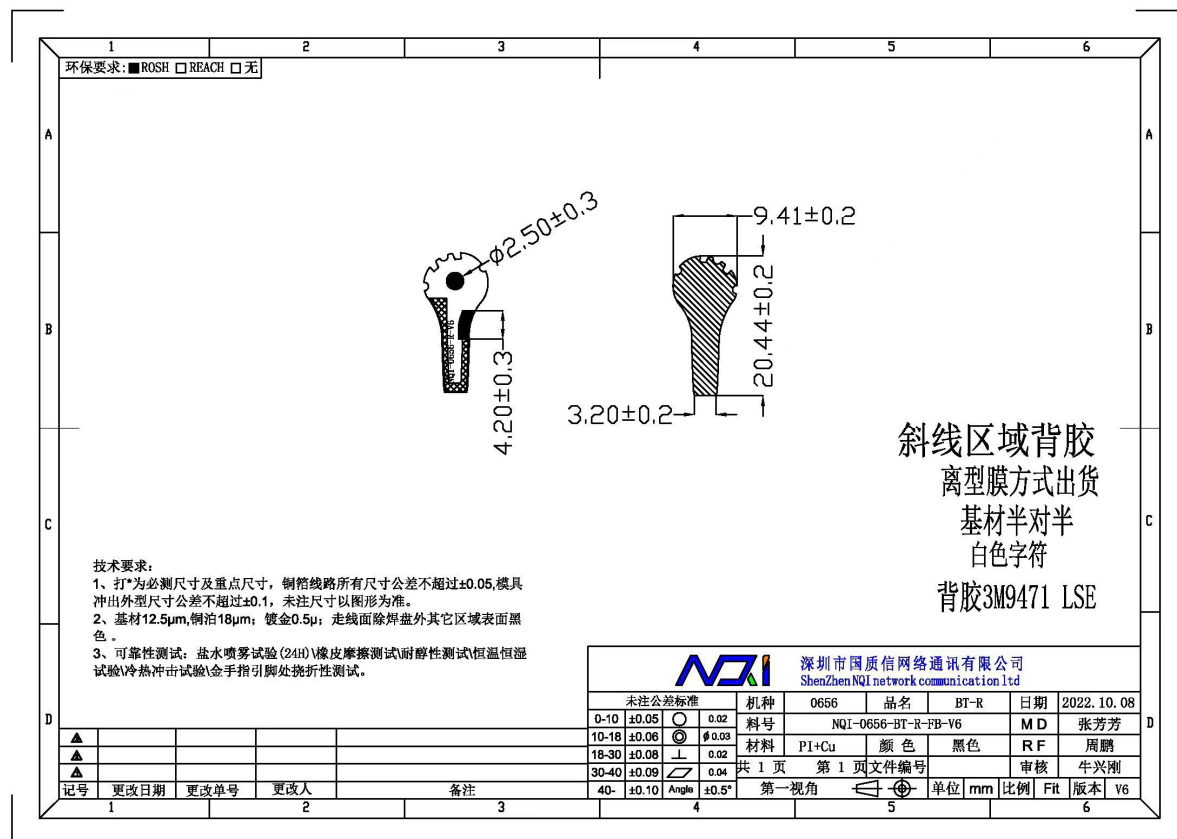
2. Temperature

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

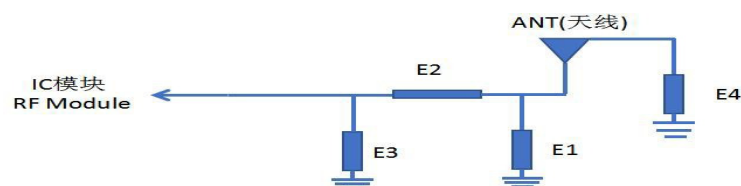
3. Photo



4.physical dimension



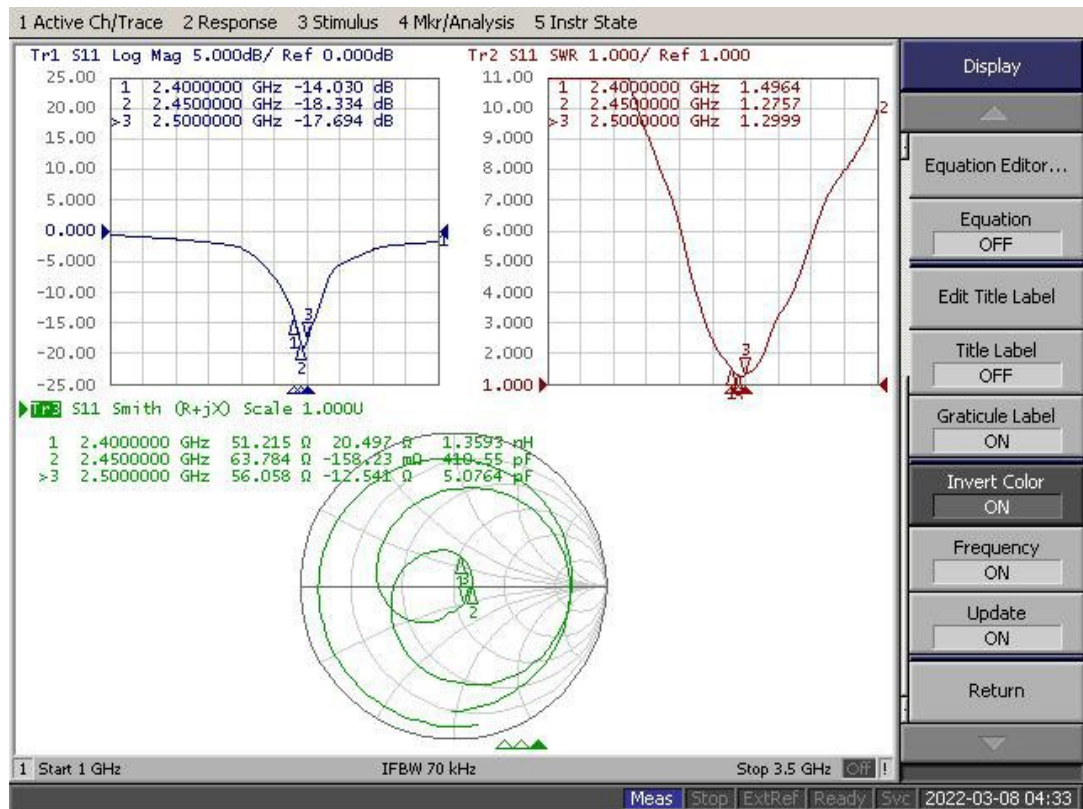
5.Match circuit



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

6. Parameter

6.1 VSWR



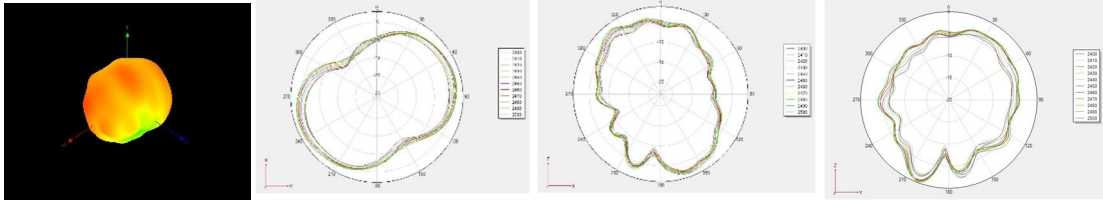
6.2 Gain

Free Space

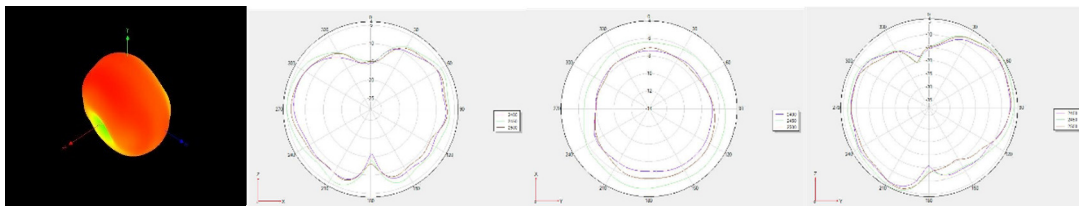
Freq (MHz)	Effi (%)	Gain (dBi)
2400	25.88%	-0.89
2450	29.56%	-0.57
2500	30.16%	-0.65

6.3 3D

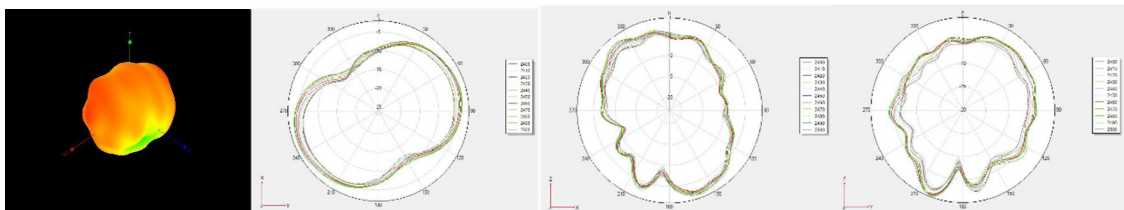
2400MHz



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)	1.02	2.31	0.69
	TIS (dBm)	-82.26	-82.17	-82.13
NQI ANT TRP&TIS parameter Summary of 0656				
Second generation head ear mold	Test	Bluetooth TRP&TIS		
	Result	0	39	78
	TRP (dBm)	-3.76	-3.68	-3.42
	TIS (dBm)	-79.81	-80.05	-80.12