

Sample Specification

Project model: ID207+ID217G

Sample name: BT antenna

Specification/color: black

Customer number: 3.01.ID217BK000

Material Code: 759-042-01A01

Date of signature:

Sample attributes:

☐Standard Sample; ☐Limited Sample; ☐Other Samples; Number of samples submitted
Supplier fill in:

business	project	quality

Customer fill in:

department	Confirm content	Confirmation result	Confirmation /Date
Design Department:	☐ Customer Requirement ID ☐ Color validation ☐ Surface Technology Confirmation ☐ Shell, Hardware, Key Material		
Structural/Electronic Engineer:	☐ Dimension Confirmation of 2D Drawing Files ☐ Key Control Dimension Marking ☐ Adaptation verification ☐ Shell, Hardware, Key Material ☐ Specification and Technical Requirements ☐ Electrical performance parameters ☐ function ☐ Effect		
Quality department:	☐ Test Standard Confirmation ☐ Adaptation verification ☐ Reliability Verification ☐ function ☐ Effect ☐ Appearance ☐ Standardization of Dimension Standards (Key dimensions)		
project manager:	☐ Information Integrity of Recognition Letter ☐ Specification and Technical Requirements ☐ Electrical performance parameters ☐ function ☐ Effect ☐ Appearance ☐ Standardization of Dimension Standards (Key Dimensions)		
Development Director	Approval		
Sampling order (procurement given, implementation by project manager, follow-up by engineers)			
Structural Classes (Shell, Keyboard, Hardware and TP, LCD, etc.):	project manager→ID/MD→DQA	Remarks: Please sign the samples in strict accordance with the order and confirmation of the content of recognition!	
Electronic Devices:	project manager→MD→Electronic Engineer→DQA		
Auxiliary materials:	project manager→MD→DQA		
Antenna Type 天线类型	☐ Integral ☐ PIFA ☒ Monopole ☐ Lop Antenna ☐ Chip antenna ☐ Coupling antenna ☐ other(其它):		

Change of resume

Serial number	Date of change	entry name	Edition	Change content	Remarks
1	January 18, 2021	K6 BT antenna	V1.0	nothing	New issue

四. Electrical characteristics:

1. Antenna Structure

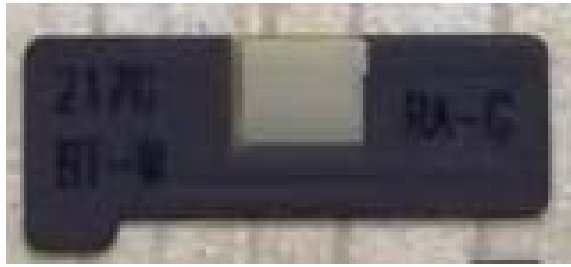
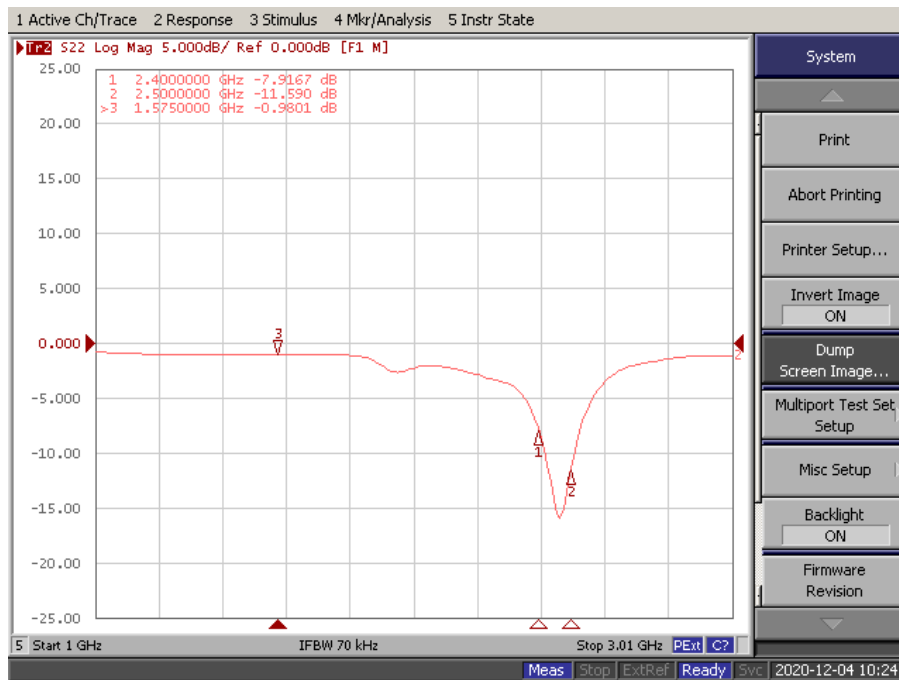


Figure antenna structure

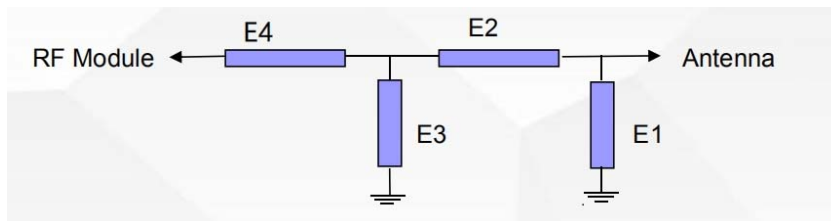
2. Test Results



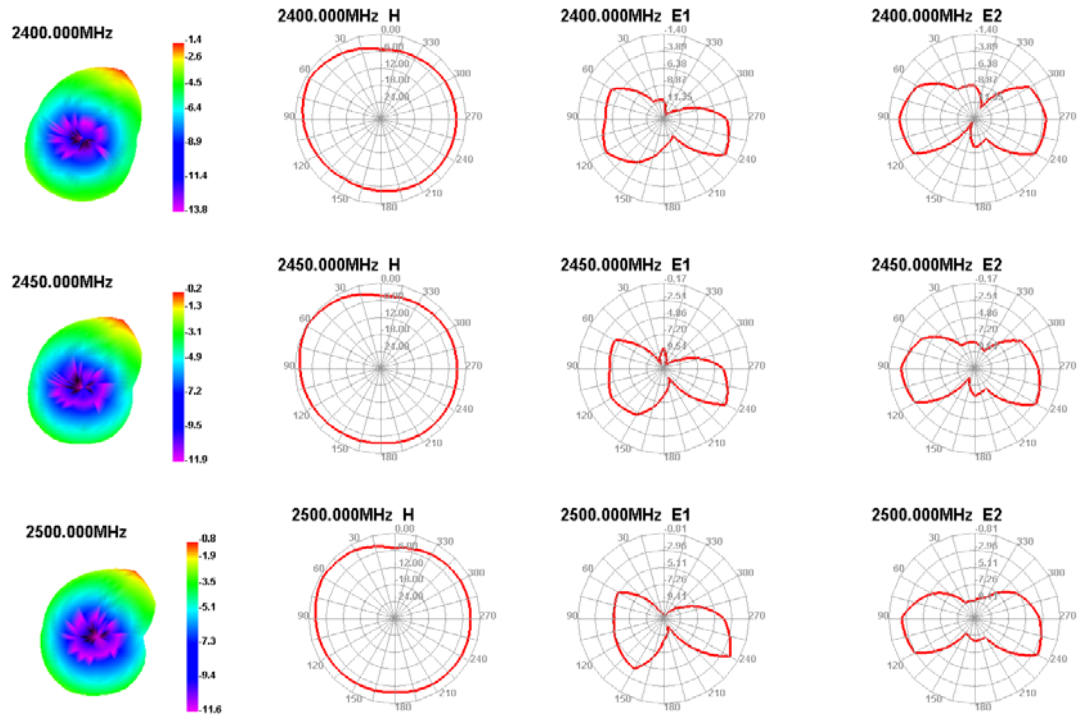
BT-Return Loss/VSWR

3. Test Repor

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	35.77	-4.46	-1.56
2410	37.57	-4.25	-1.26
2420	39.34	-4.05	-0.92
2430	40.97	-3.88	-0.66
2440	42.6	-3.71	-0.35
2450	44.01	-3.56	-0.23
2460	43.51	-3.61	-0.24
2470	41.79	-3.79	-0.55
2480	39.71	-4.01	-0.86
2490	37.26	-4.29	-1.3
2500	34.93	-4.57	-1.6



4. direction map



5.2D drawings

1

2

3

4

5

6

7

8

6 character

5. printing ink

4. IDcooper

3. PI

2. application of gum

1. release paper

EVEL

white

Black

3M67

10-15um

18um

13um

50um

100um

REVISION

REVISION NOLE

AUTHOR

DATE

1

2

3

4

5

6

7

8

21

21

BT

RA-X

①

②

③

④

⑤

⑥

*3.00±0.3

5.55*

CPK*13.00

CPK*5.30±0.15

2.30

4.49±0.1

GENERAL TOLERANCE TABLE

MODEL

DATE

PAGE

NEAR

ANGULAR

ID06mini

2021.04.14

VISION

TOLERANCE

DIVISION

TOLERANCE

PART CODE

BT Antenna

DESIGN

Shaosen Guo

0-10

±0.05

0-5°

±0.5°

DRAWING NO

759-048-01A01

CHECK

RF CMD

10-50

±0.10

5-20°

±1°

MATERIAL

PI+Cu

RF CMD

SIZE

50-80

±0.15

20-90°

±1.5°

COLOR

Black matte

UNITS

SCALE

>80

±0.2

Black matte

UNITS

SCALE

1:1

REV

R:A

1

2

3

4

5

6

7

8

Technical requirements:

1. The size marked * is the key size. The size not marked is subject to the 2D drawing file.

2. The surface of the antenna is covered with black film (half and half), matte effect, clean surface, neat edge cutting, no glue overflow and other defects. Black antenna with black highlights.

3. FPC Goldfinger: Nickel plating thickness 2-6um, gold plating thickness 06-1U standard.

4. PI has glue base material of 13um, copper foil of 18um electrolytic copper, back glue of 753A65542.

5. Meet the salt spray test (48h) and Rohs requirements.

6. The area is the wiring area, the area is the goldfinger, and the area is the glue.

7. Antenna half cut full version shipping, surface coated.