

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:	<input type="checkbox"/> Customer Requirement ID <input type="checkbox"/> Color validation <input type="checkbox"/> Surface Technology Confirmation <input type="checkbox"/> Shell, Hardware, Key Material		
Structural/Electronic Engineer:	<input type="checkbox"/> Dimension Confirmation of 2D Drawing Files <input type="checkbox"/> Key Control Dimension Marking <input type="checkbox"/> Adaptation verification <input type="checkbox"/> Shell, Hardware, Key Material <input type="checkbox"/> Specification and Technical Requirements <input type="checkbox"/> Electrical performance parameters <input type="checkbox"/> function <input type="checkbox"/> Effect		
Quality department:	<input type="checkbox"/> Test Standard Confirmation <input type="checkbox"/> Adaptation verification <input type="checkbox"/> Reliability Verification <input type="checkbox"/> function <input type="checkbox"/> Effect <input type="checkbox"/> Appearance <input type="checkbox"/> Standardization of Dimension Standards (Key dimensions)		
project manager:	<input type="checkbox"/> Information Integrity of Recognition Letter <input type="checkbox"/> Specification and Technical Requirements <input type="checkbox"/> Electrical performance parameters <input type="checkbox"/> function <input type="checkbox"/> Effect <input type="checkbox"/> Appearance <input type="checkbox"/> 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	<input type="checkbox"/> Integral <input type="checkbox"/> PIFA <input checked="" type="checkbox"/> Monopole <input type="checkbox"/> Lop Antenna <input type="checkbox"/> Chip antenna <input type="checkbox"/> Coupling antenna <input type="checkbox"/> 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

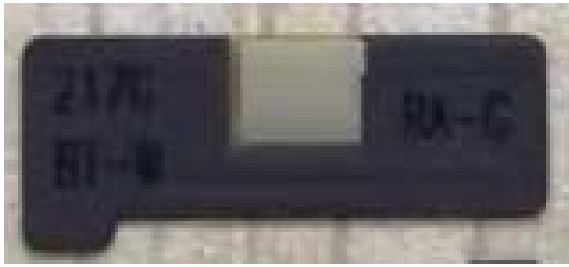
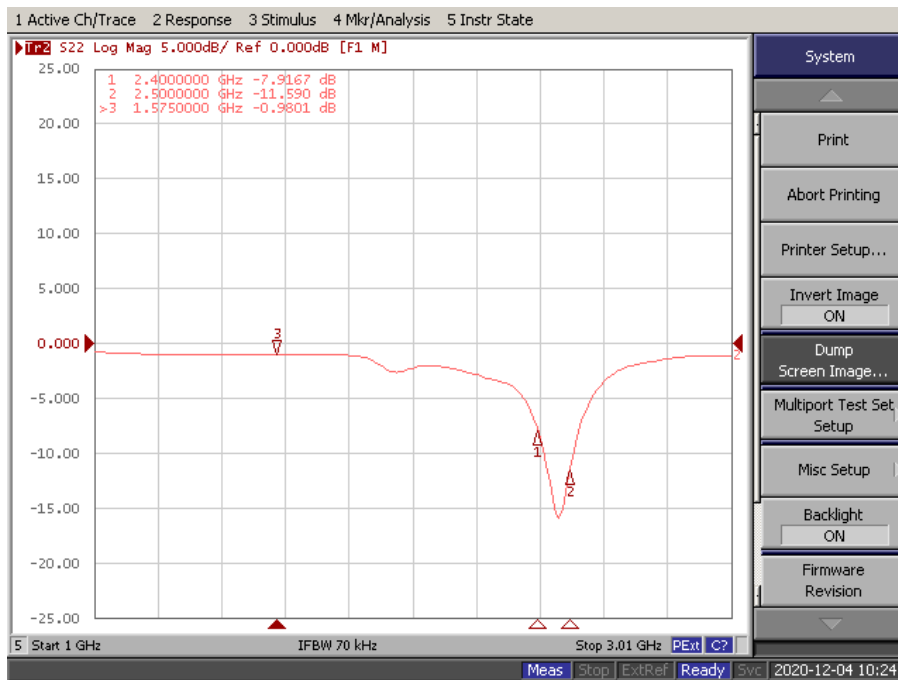


Figure antenna structure

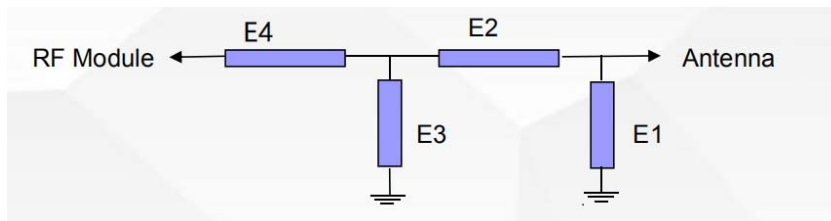
2. Test Results



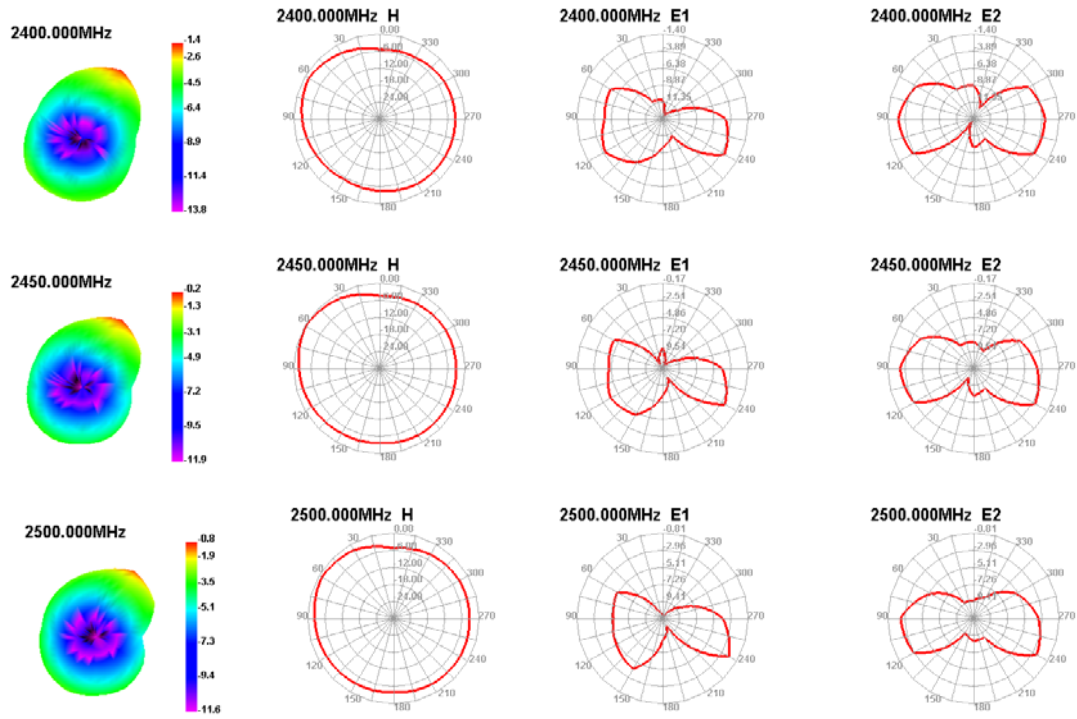
BT-Return Loss/VSWR

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
A	1	2	3	4	5	6	7	8

LEVEL	DESCRIPTION	100um
1	release paper	100um
2	application of gum	50um
3	PI	13um
4	Die/copper	18um
5	printing ink	10-15um
6	character	white

Technical requirements:

- The size marked * is the key size. The size not marked is subject to the 2D drawing file.
- 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.
- PFC Goldfinger: Nickel plating thickness 2-6um, gold plating thickness 06-1U standard.
- PI has glue base material of 13um, copper foil of 18um electrolytic copper, back glue of TESM68542.
- Meet the salt spray test (48h) and Robs requirements.
- The area is the wiring area, the area is the goldfinger, and the area is the gum.
- Antenna half cut full version shipping, surface coated.

GENERAL TOLERANCE TABLE			
VISION	TOLERANCE	DIVISION	TOLERANCE
0-10	±0.05	0-5°	±0.5°
10-50	±0.10	5-20°	±1°
50-80	±0.15	20-90°	±1.5°
>80	±0.2		

	Welletronics Communication Technology Co., Ltd			
MODEL	TJ206mini	DATE	2021.04.14	PAGE
NEAR	VISION	DESIGN	Shaosen Guo	APPROVAL
ANGULAR	TOLERANCE	CHECK	RE CHKD	DO NOT SCALE
PART CODE	DIVISION	PI+Cu	SIZE	A4
759-048-01A01	0-5°	Black matte	SCALE	1:1
DRAWING NO	TOLERANCE	UNITS	REV	R:A
50-80	±1°	mm	1:1	R:A
>80	±1.5°			