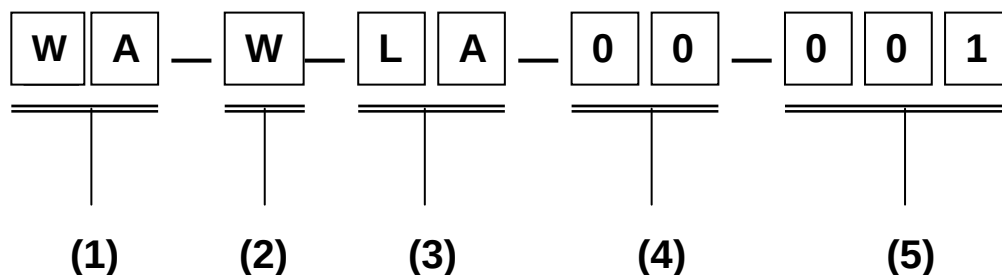


Embedded Single-Band Antenna for WA-W-LA-00-001

1. Explanation of part number :



- (1) Product Type : Wireless Antenna
- (2) Material : Wire
- (3) Center Frequency/Band code :2.4~2.5GHz/ BT
- (4) Coaxial Cable Type : 00 (No Coaxial Cable)
- (5) Suffix : 001

2. Electrical Specification :

These specifications are specially defined for **TOMTOM_Catania(5")** model, and all characteristics are measured with the unit.

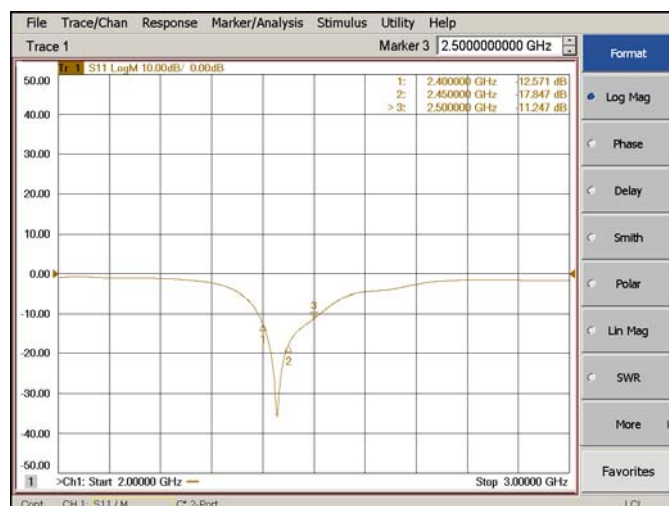
2-1 Frequency Band:

Frequency	MHz
BT	2400~2500

2-2 Impedance

50 ohm nominal

2-3 Return Loss



2400 MHz	2450 MHz	2500 MHz
-12.57	-17.85	-11.25

Unit: dB

UNLESS OTHER SPECIFIED TOLERANCES ON :

$$X=\pm \quad X.X=\pm \quad X.XX=\pm$$

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY: 邱子紋 邱子紋

CHECKED BY : 陳智歲 *Man*

DESIGNED BY : 陳俊達

APPROVED BY : 蘇志銘 *Jim*

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TITLE : Embedded Single-Band Antenna for WA-W-LA-00-001	
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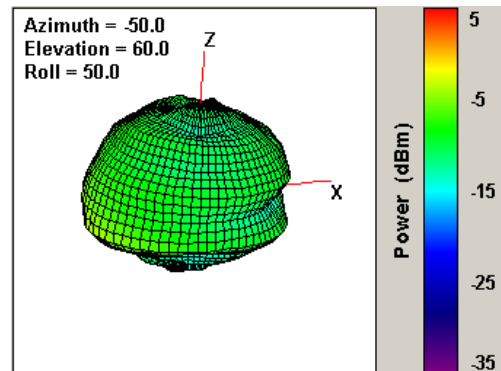
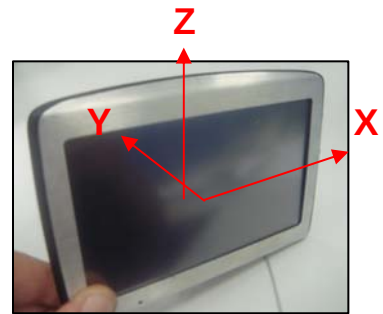
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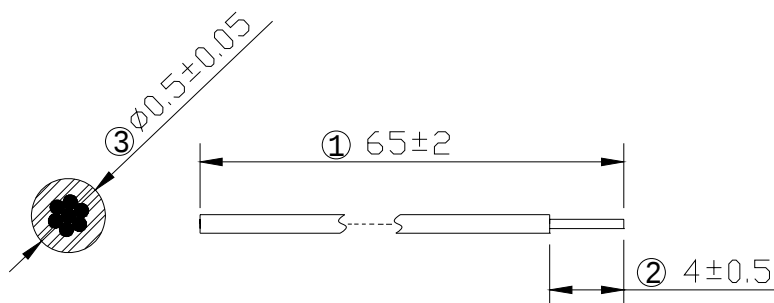
SPEC	REV.
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2-4 Antenna Efficiency and Gain

Frequency(MHz)	Peak Gain(dBi)	Efficiency(%)
2400	-1.45	19.58
2410	-1.37	20.02
2420	-1.32	20.50
2430	-1.30	20.72
2440	-1.34	20.67
2450	-1.39	20.32
2460	-1.39	20.19
2470	-1.40	20.13
2480	1.57	19.22
2490	1.71	18.67
2500	1.87	18.03



3. Physical Specification:



Unit: mm

導體	AWG	32WG
	MATERIAL	Stranded Tinned Copper
	COND.SIZE	7/0.08
	Stranded Dia.(mm)	0.24
外皮 (絕緣體)	MIN.THICKNESS	0.10mm
	MATERIAL	NHFR
	COLOUR	Blue
	O.D	0.50±0.05mm

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY: 邱子紋

CHECKED BY: 陳智威

DESIGNED BY: 陳俊達

APPROVED BY: 蘇志銘

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