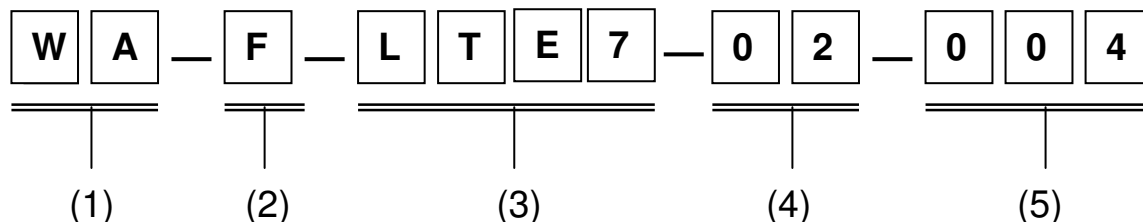


Embedded Single-Band Antenna for WA-F-LTE7-02-004

1. Explanation of part number :



(1) Product type : Wireless Antenna

(2) Material : FPCB

(3) Frequency : 860 & 965MHz

(4) Coaxial Cable Type : 02(Black Cable)

(5) Suffix : 004

2. Electrical Specification :

Those specifications were specially defined for India market, and all characteristics were measured under the model's handset testing jig.

2-1. Frequency Band :

Band	Frequency MHz
Lora	860~965 MHz

2-2. Impedance :

50 ohm nominal

2-3. Matching circuit :

None

UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/A X.X=N/A X.XX=N/A
 ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建榮

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

APPROVED BY : 謝立庭

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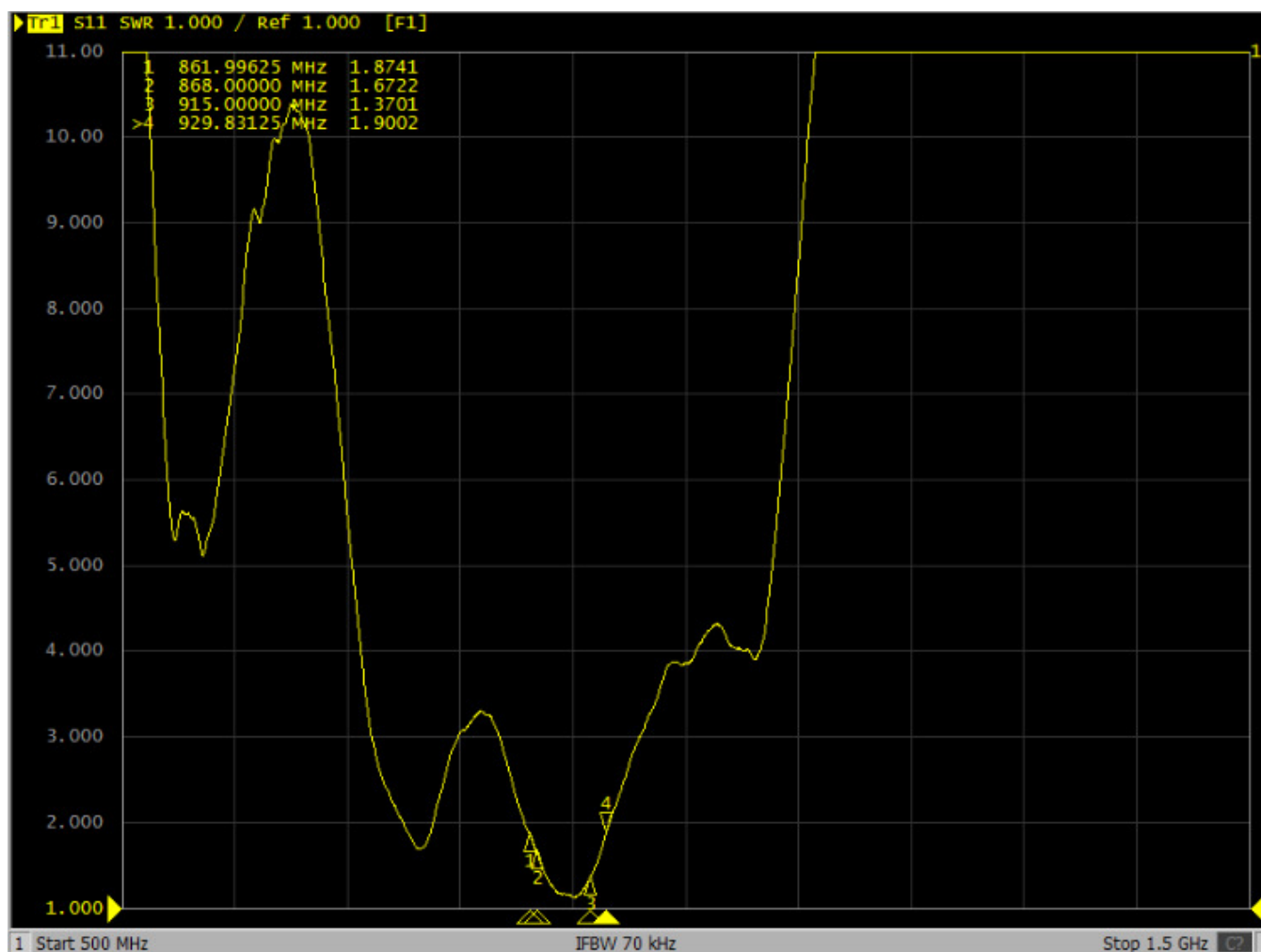
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2-4. VSWR :



UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/A X.X=N/A X.XX=N/A
 ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建榮

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WA-F-LTE7-02-004

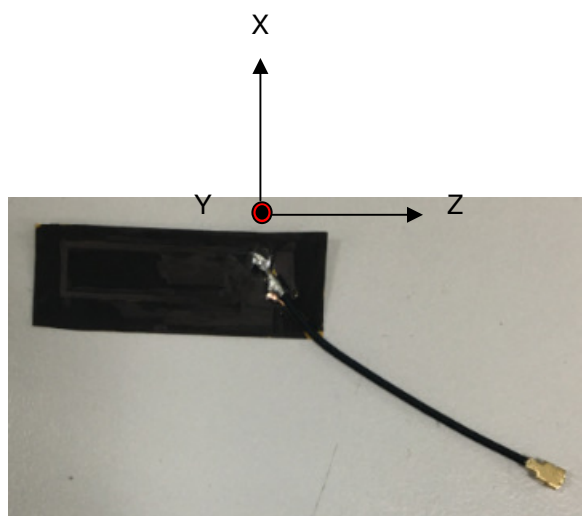
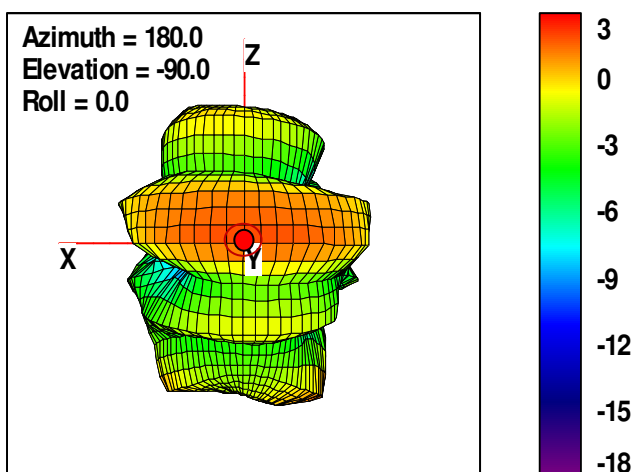
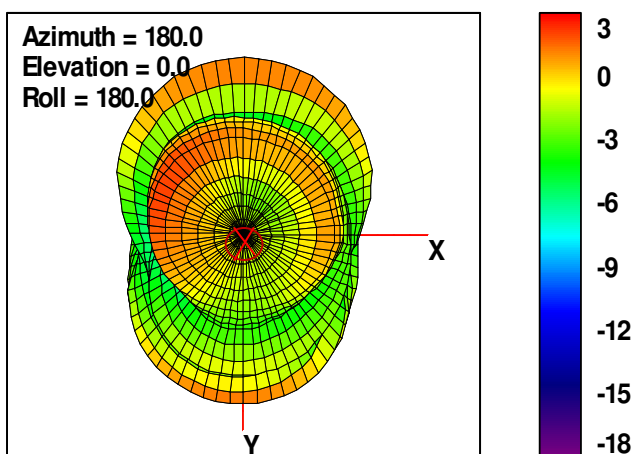
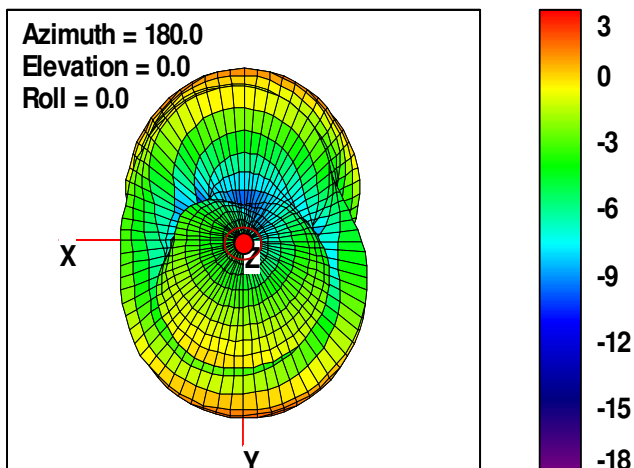
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2-5 Radiation Pattern :

2-5-1 915MHz



UNLESS OTHER SPECIFIED TOLERANCES ON :
X=N/A X.X=N/A X.XX=N/A
ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建榮

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

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2-6 Efficiency Table :

Frequency(MHz)	860	865	868	870	875	895	905	910
Efficiency(dB)	-2.63	-2.60	-2.59	-2.58	-2.36	-2.34	-2.18	-2.14
Efficiency(%)	54.55	54.95	55.04	55.19	58.04	58.38	60.51	61.03
Gain(dBi)	1.29	1.35	1.43	1.49	2.21	2.65	2.78	2.88

Frequency(MHz)	915	920	925	935	945	955	965
Efficiency(dB)	-2.06	-2.04	-2.07	-2.08	-2.1	-2.28	-2.58
Efficiency(%)	62.21	62.56	62.02	62.01	61.71	58.09	55.2
Gain(dBi)	2.93	2.94	2.98	2.55	2.21	1.91	1.6

UNLESS OTHER SPECIFIED TOLERANCES ON :
X=N/A X.X=N/A X.XX=N/A
ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建榮

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

APPROVED BY : 謝立庭

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TITLE : Embedded Dual-Band Antenna for
WA-F-LTE7-02-004

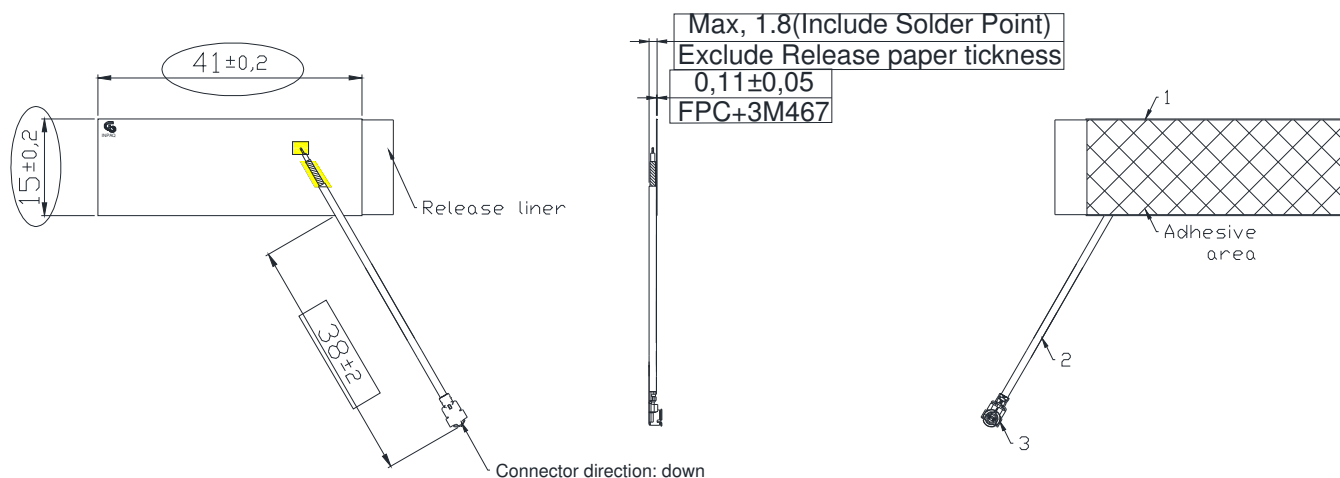
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3. Mechanical Specification :

3.1 Mechanical Configuration :



NOTE:

- 外觀標準:需完整無破損,不可有變形、髒污、毛邊、翹曲、裂縫、褶疊等情形。
Appearance standard : They must be complete.
It means those must not have the deformations, dirt, burrs, warps, cracks, folds, etc.
- 工程圖上"⌀"號為重點尺寸標註指示
Mark " ⌀ " are the key dimensions.
- 工程圖上"±"號為Cpk量測尺寸標註指示
Mark " ± " are CPK dimensions.
- OQC&FQC只需量測重點尺寸&CPK
CPK&KEY dimensions for OQC&FQC.

The appearance of the antenna is according to drawing Figure 3.1.1

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ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT
1	FPCB	41x15mm	1	PCS
2	Cable	OD1.13 normal, Black	1	PCS
3	Connector	I-PEX MHF I-PEX Equivalent(compatible)	1	PCS

Figure 3.1.1 The antenna drawing

UNLESS OTHER SPECIFIED TOLERANCES ON :
X=N/A X.X=N/A X.XX=N/A
ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建榮

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

APPROVED BY : 謝立庭

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TITLE : Embedded Dual-Band Antenna for
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