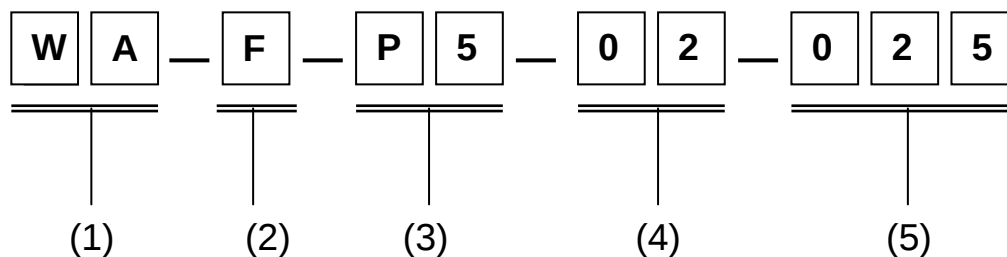


Embedded Multi-Band Antenna for WA-F-P5-02-025

1. Explanation of part number :



(1) Product type : Wireless Antenna

(2) Material : FPCB

(3) Frequency : 824~960 MHz , 1710~2170 MHz

(4) Coaxial Cable Type : Black

(5) Suffix : 025

2. Electrical Specification :

Those specifications were specially defined for **GSM Antenna**, and all characteristics were measured under the model's testing jig.

2-1. Frequency Band :

Band	Frequency MHz
GSM	824~960 , 1710~2170

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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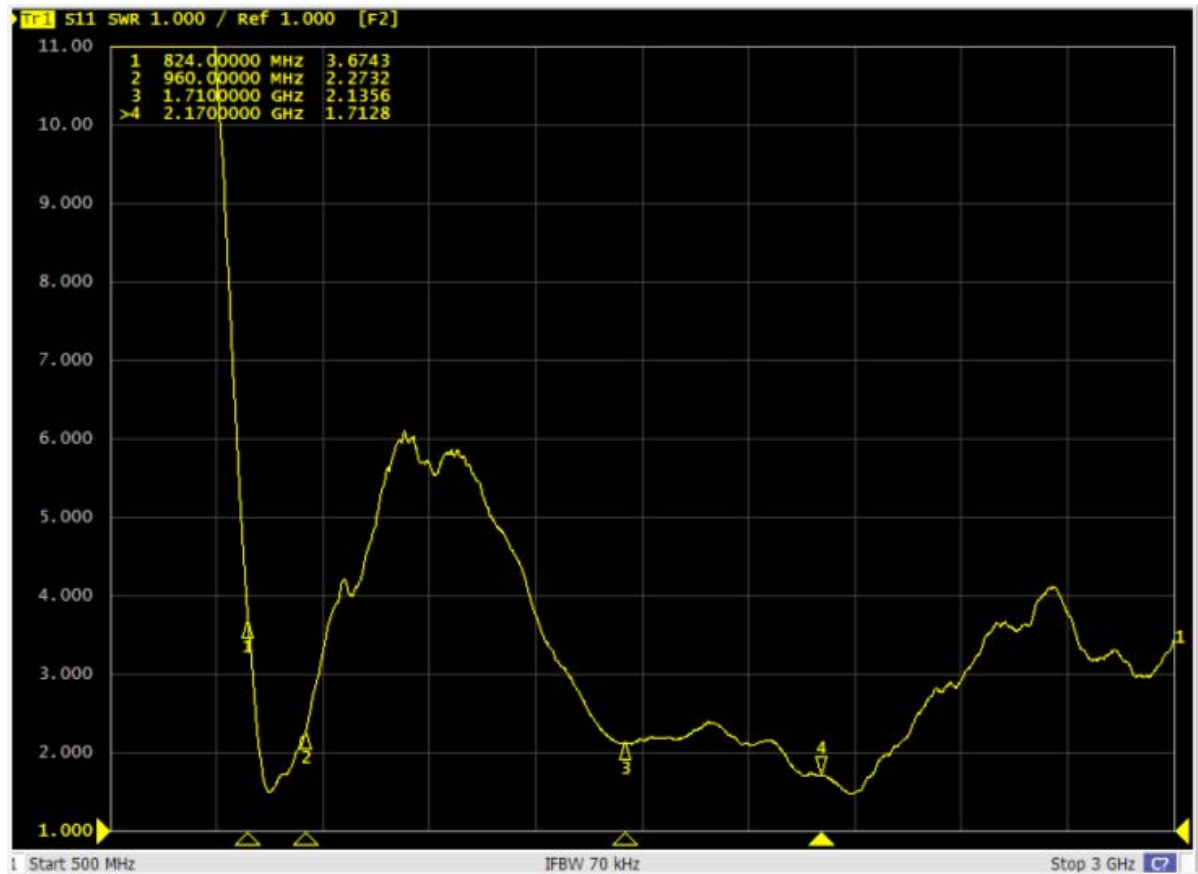
TITLE : Embedded Multi-Band Antenna for
WA-F-P5-02-025

DOCUMENT
NO.

ENS000133300

SPEC	REV.
	A0

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 : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

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TITLE : Embedded Multi-Band Antenna for
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2-5. Gain and efficiency :

Frequency(MHz)	Efficiency(%)	Gain(dB)
824	28.56	-1.54
844	29.33	-1.56
864	30.58	-1.56
884	31.21	-1.22
904	32.64	0.03
924	31.56	0.7
944	30.43	0.35
960	29.52	0.01
1710	44.56	2.5
1760	42.31	3.15
1810	43.82	2.16
1860	44.56	1.99
1910	45.13	0.83
1960	45.66	1.43
2010	46.35	0.32
2060	47.58	0.91
2110	47.21	1.7
2170	46.45	2.3

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			
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DESIGNED BY : 陳郁峯	APPROVED BY : 謝立庭			
TITLE : Embedded Multi-Band Antenna for WA-F-P5-02-025		DOCUMENT NO.	ENS000133300	SPEC REV A0

3. Mechanical Specification :

3.1 Mechanical Configuration :

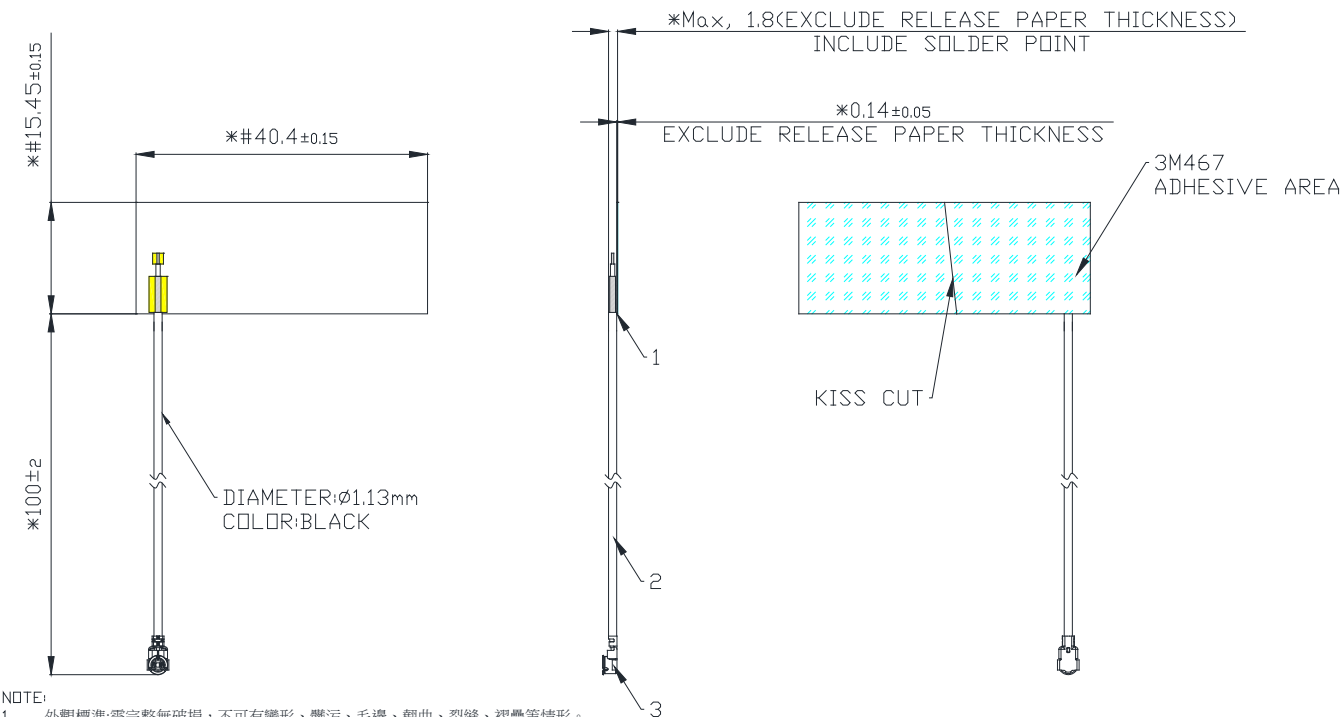


Figure 3.1.1 The antenna drawing

The appearance of the antenna is according to drawing Figure 3.1.1

REV.P1.A0

ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT	SUPPLIER	UL NO
1	FPCB with adhesive	L40.4xW15.45xT0.14mm	1	PCS	HA0081	E216543
2	Cable	RF Cable 1.13,normal, BLACK	1	PCS	HA0008	E318898
3	Connector	I-PEX MHF I-PEX Equivalent(compatible)	1	PCS	HA0063	E213445

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 : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 陳郁峯

APPROVED BY : 謝立庭

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