

SPECIFICATION

Product : WIFI EMBEDDED ANTENNA

Descriptions : 2.4~2.5GHz+PCB+OD1.13 CABLE+IPEX

SPECIFICATION

ELECTICAL PROPERTIES

FREQUENCY RANGE ----- 2.4~2.5 GHz

VSWR----- ≤ 2.0

IMPEDANCE----- 50Ω

GAIN----- 2dBi

PHYSICAL PROPERTIES

WIRE----- OD1.13 CABLE BLACK

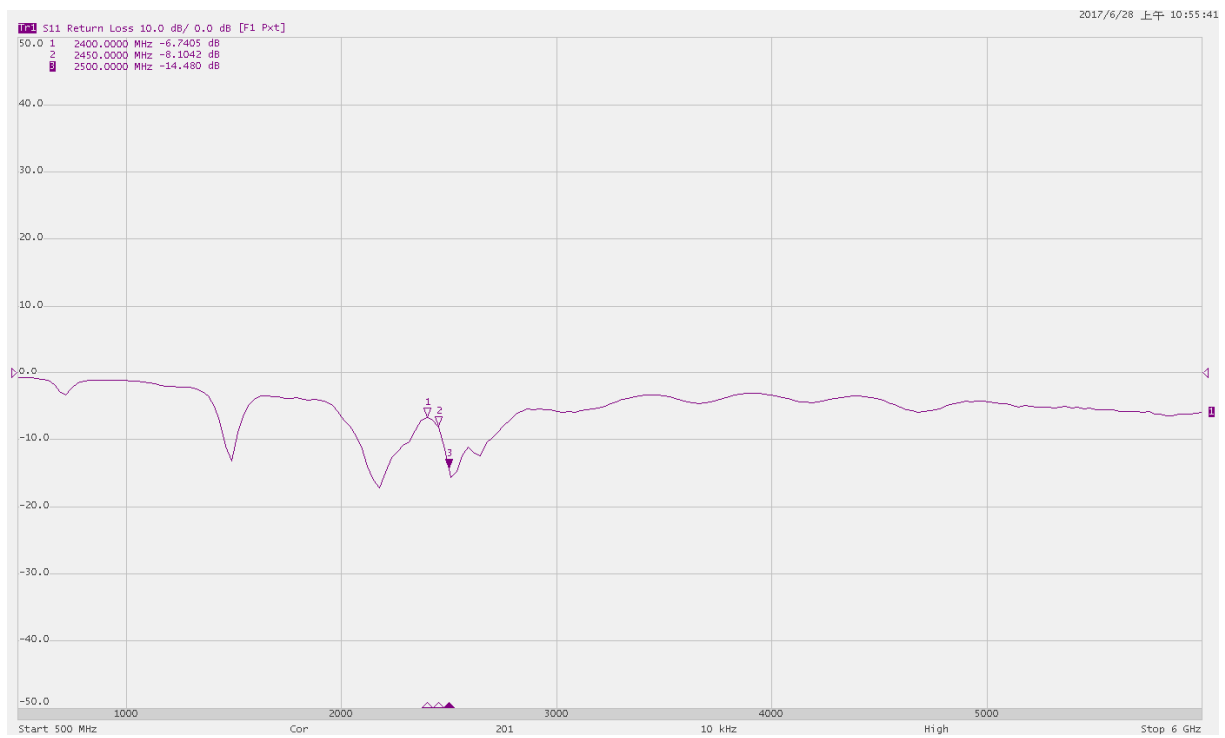
CONNECTOR----- IPEX

PCB----- FR4

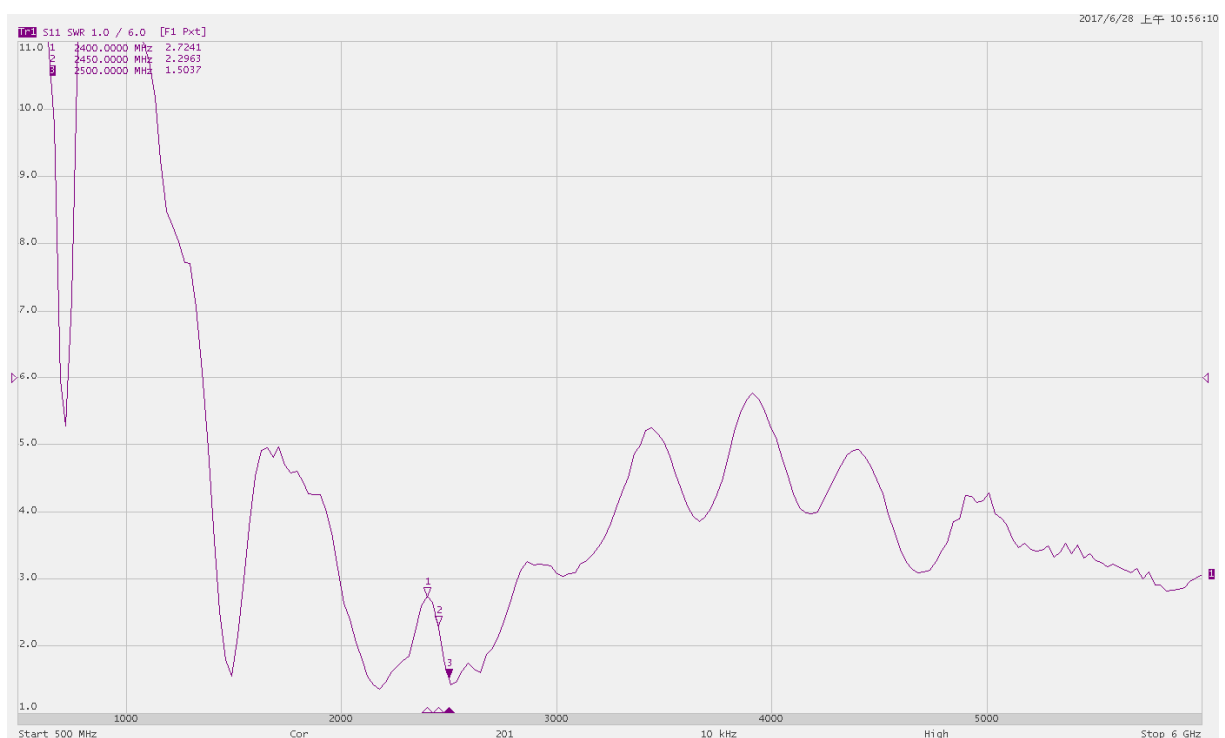
OPERATING TEMPERATURE----- $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

STORAGE TEMPERATURE----- $-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$

RETURN LOSS



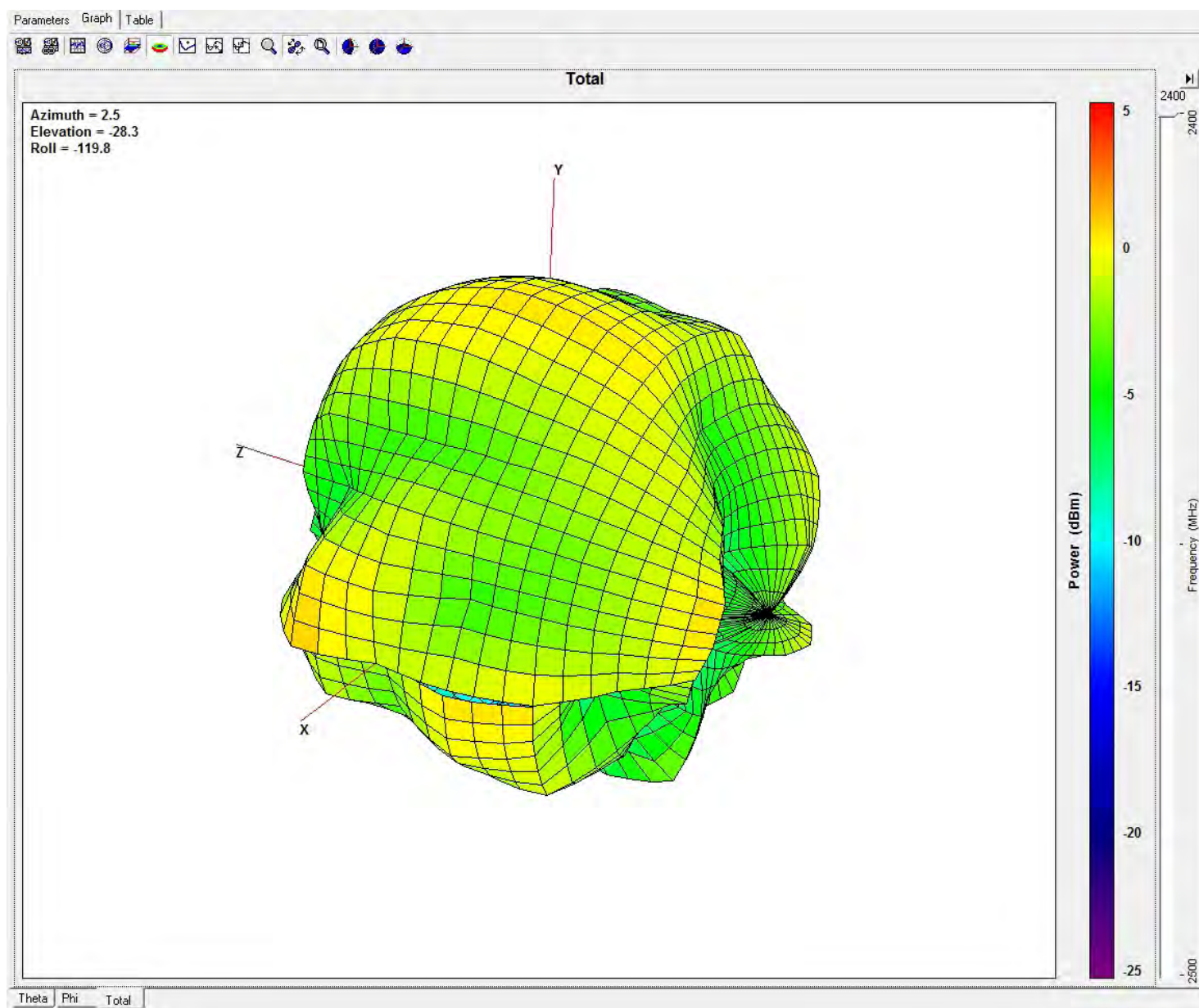
VSWR



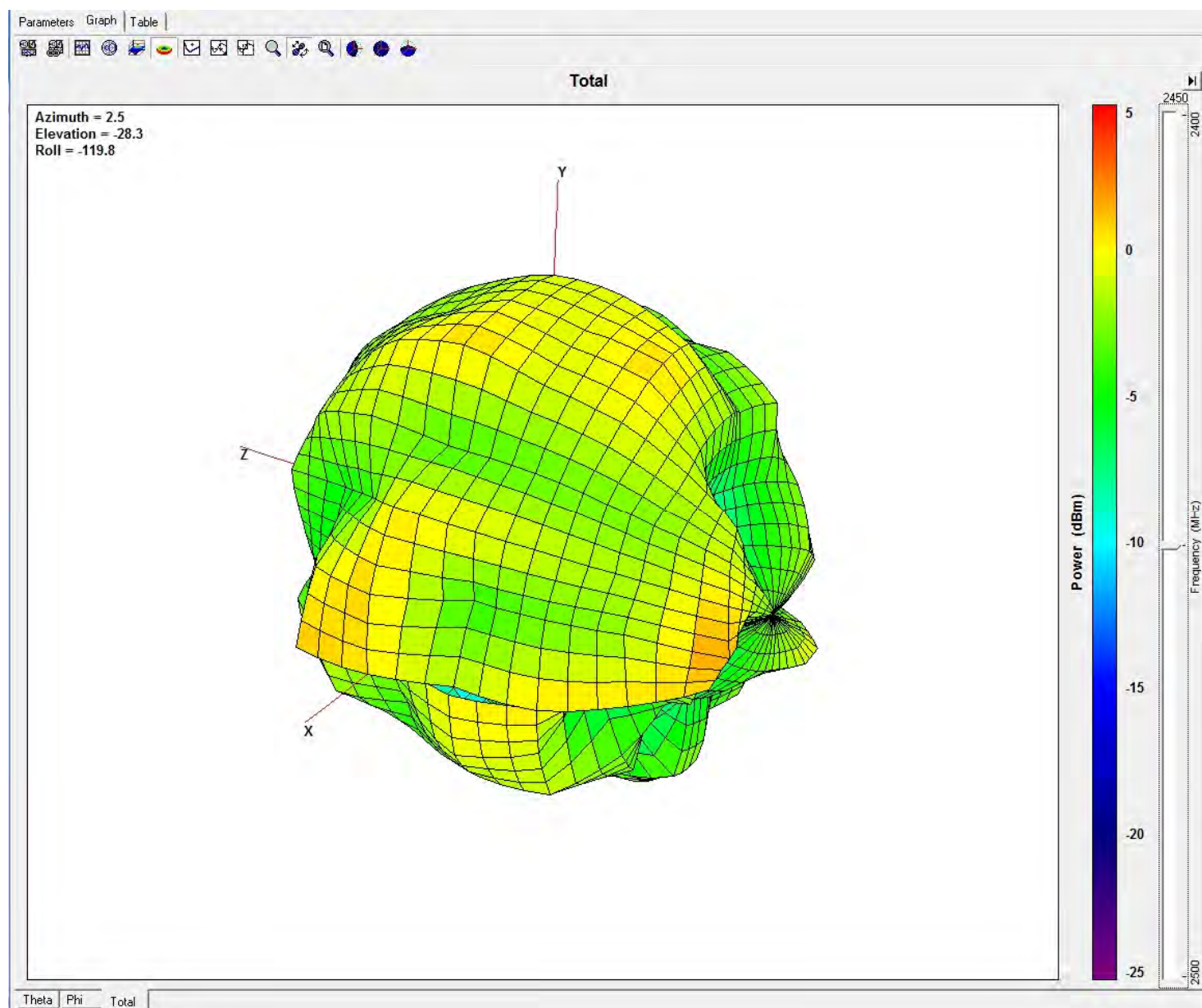
Chamber

Test Date	2017/6/29		
Channel	2400	2450	2500
Note	CD400U-B		
Ant. Port Input Pwr. (dBm)	0	0	0
Tot. Rad. Pwr. (dBm)	-4.04755	-4.49824	-3.86299
Peak EIRP (dBm)	2.03344	1.53157	2.03658
Directivity (dBi)	6.081	6.02981	5.89957
Efficiency (dB)	-4.04755	-4.49824	-3.86299
Efficiency (%)	39.3772	35.4957	41.0867

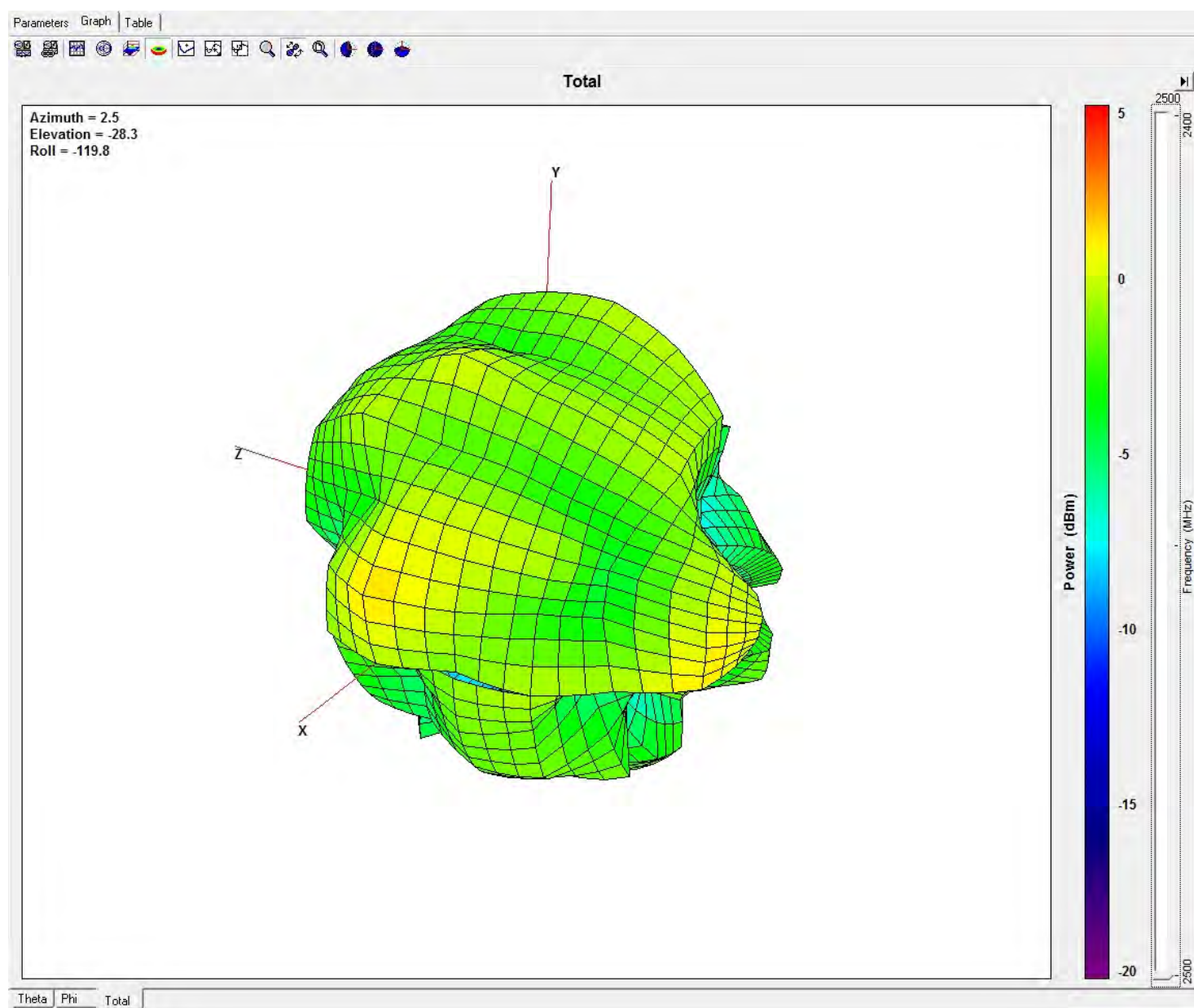
Center freq.(MHz): : 2400



Center freq.(MHz): : 2450



Center freq.(MHz): : 2500



A

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B

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C

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D

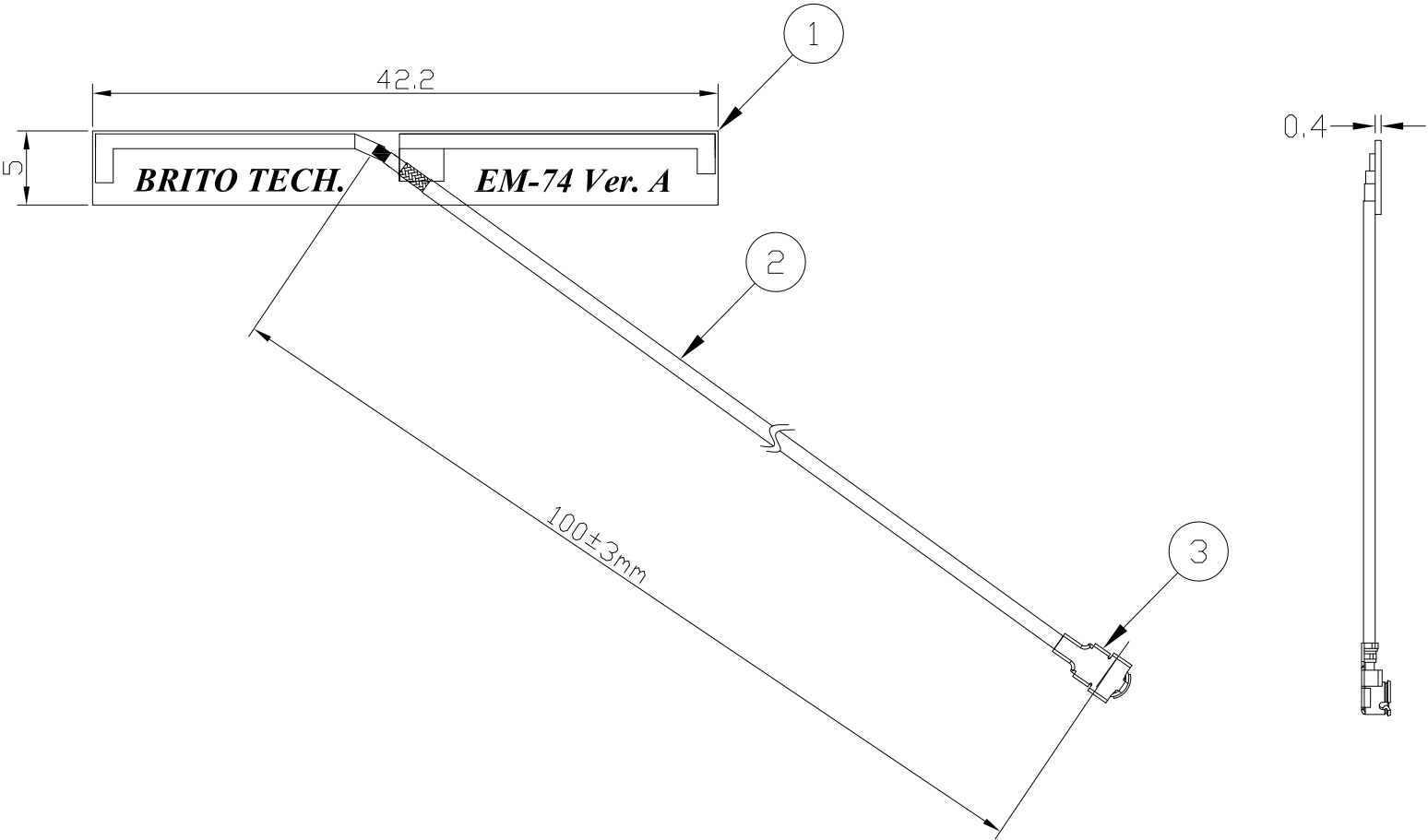
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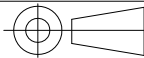
E

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F

R E V I S I O N S				
REV	DESCRIPTION	LOCATION	DRAWN	DATE
△A	圖面新增		ALGER	2017/8/9
△B	新增料號		ALGER	2017/8/15



3	N/A	CONNECTOR	IPEX FOR Ø1.13mm	CPN-CA-1708-0455-A	1PCS	N/A
2	N/A	CABLE	Ø1.13mm CABLE BLACK	CPN-CA-1708-0455-A	1PCS	N/A
1	EM74-PCB	PCB	FR-4	CPN-PCB-1510-0211-A	1PCS	N/A
ITEM	PART NO.	PART NAME	MATERIAL	DWG NO.	QTY	REMARKS
RANGE	TOLERANCE	BRITO 昀陽科技有限公司			MODEL NAME	
X.xx	± 0.10				WIFI ANTENNA	
X.x	± 0.15	MATERIAL: SEE TABLE			TITLE: WIFI EMBEDDED ANTENNA	
X	± 0.25	FINISH: WIFI ANTENNA			SIZE: A3	PART NO. WF1EM74-I0100
		UNIT: mm			SCALE : N/A	
		APPROVED: BRUCE			SHEET 1 OF 1	
THE 3RD PROJECTION		DATE: 2017/8/15			DWG NO. WF-EM-1708-0131-B	
					REV.	B