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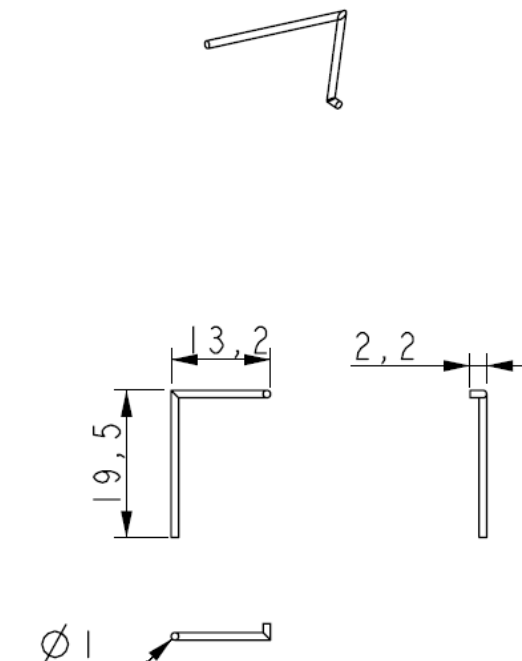
. Antenna Specification:

- 1. Frequency Range.....2.4GHz~2.5GHz**
- 2. Impedance.....50 Ω nominal**
- 3. Return Loss.....-10dB Maximum**
- 4. Radiation Gain:**
 - Main Antenna: -0.34dBi**
 - AUX Antenna: -3.91dBi**
- 5. Polarization.....Linear Vertical/Horizontal**
- 6. Admitted Power.....> 0.5W**
- 7. Material.....Copper plated with Nickel**

. 3D Dimension Drawing (1):

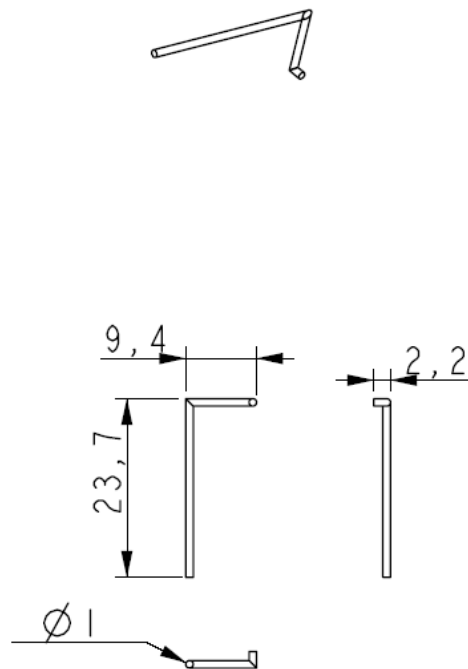
--- Main Antenna & AUX Antenna

Main Antenna
(for Transmit/Receive Mode)



671-001006R

AUX Antenna
(for Receive Mode)

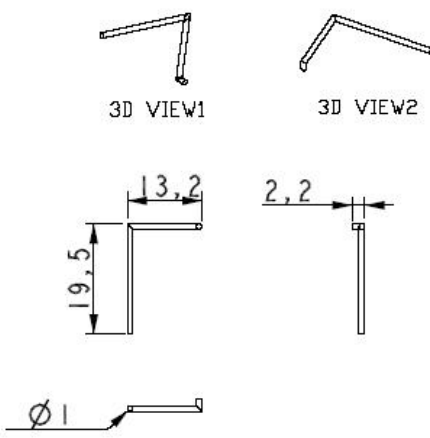


671-001007R

. 3D dimension Drawing (2):

--- Main Antenna

TOLERANCE GRADE(±)				A	ECO NO.	REVISION	APP.	CKD.	DES.	DATE
GRADE	A	B	C							
~ 6	0.05	0.08	0.2							
6 ~ 18	0.08	0.1	0.3							
18 ~ 50	0.1	0.15	0.4							
50 ~ 100	0.2	0.3	0.8							



3D VIEW1 3D VIEW2

NOTES:

- 線徑: $\phi 1\text{mm}$
- 材質: 銅鍍鎳
- 材質: 噴漆.印刷.油墨及表面殘留物均需符合ROHS之有害物質檢測標準.

SCALE	UNITS	TOLERANCE		TECOM CO., LTD.			A	
1/1	M.M.	GRAD (A)	ANGLE $\pm 0.1^\circ$	MODEL	NORTEL T7406E	SHEET	1/1	
DRW.	DES.	CKD.	RECKD.	APP.	NAME			2.4GHZ ANTENNA HANDSET(LEFT)
					PART NO.			671-001006R RD2

圖紙編號 A-4

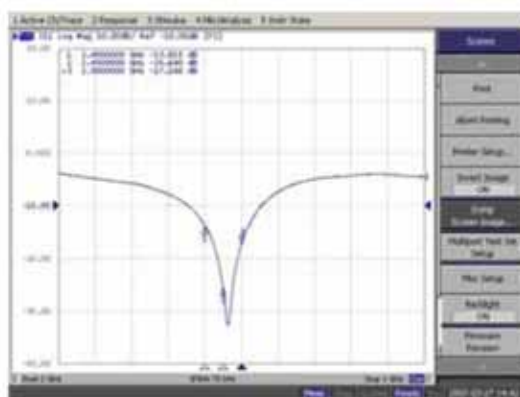
--- AUX Antenna

圖紙編號	A-4
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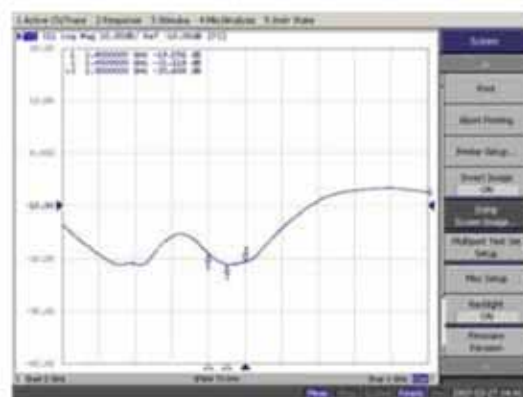
. Testing Report (1):

TECOM Antenna

Frequency (MHz)	Peak gain (dBi)	Avg. gain (dBi)		Efficiency (%)	Specification (%)
Main Antenna					
2400	-0.44	XY	-4.75	51.98	50
		XZ	-2.36		
		YZ	-4.91		
2450	-0.45	XY	-4.80	52.05	50
		XZ	-2.32		
		YZ	-4.76		
2500	-0.34	XY	-4.80	51.58	50
		XZ	-2.48		
		YZ	-4.66		
AUX Antenna					
2400	-5.43	XY	-12.48	9.24	
		XZ	-11.04		
		YZ	-11.09		
2450	-4.85	XY	-12.36	10.27	
		XZ	-10.67		
		YZ	-10.37		
2500	-3.91	XY	-11.60	12.72	
		XZ	-9.40		
		YZ	-9.16		



Main Antenna



AUX Antenna

TECOM Antenna

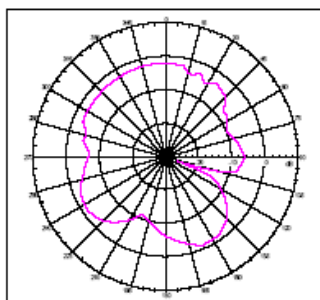
. Testing Report (2):

--- 2D Radiation Pattern: Main Antenna

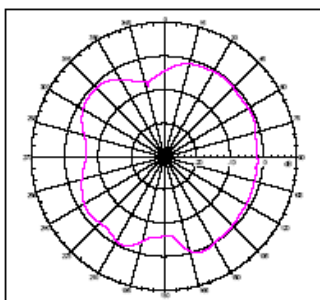
2D Radiation Pattern of TECOM antenna
(Main Antenna)

2400MHz

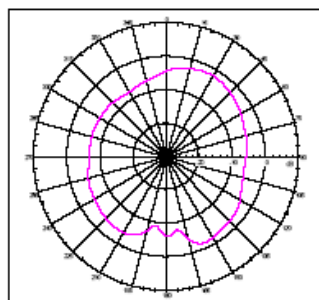
X-Y



X-Z

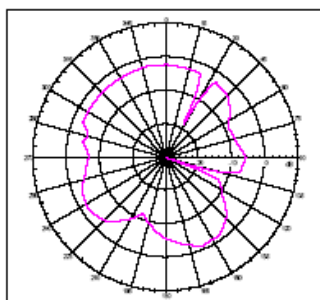


Y-Z

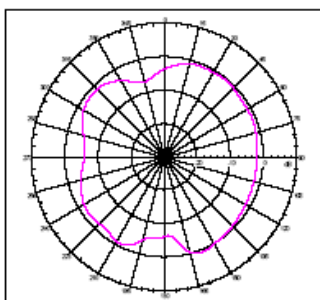


2450MHz

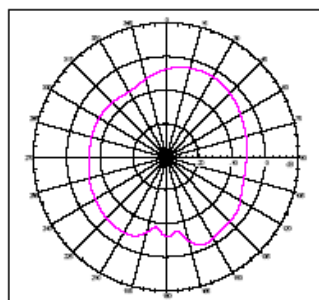
X-Y



X-Z

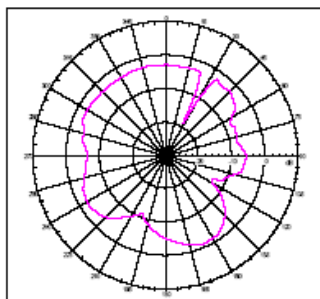


Y-Z

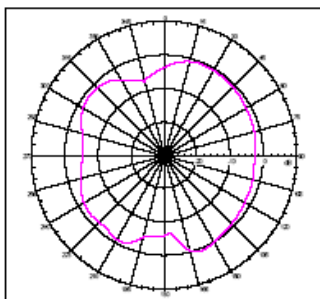


2500MHz

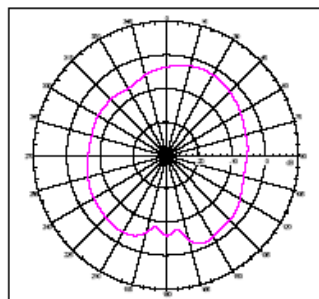
X-Y



X-Z



Y-Z



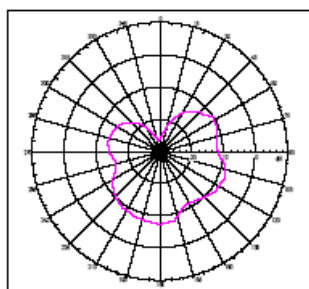
. Testing Report (3):

--- 2D Radiation Pattern: AUX Antenna

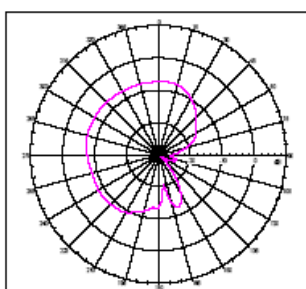
2D Radiation Pattern of TECOM antenna
(AUX Antenna)

2400MHz

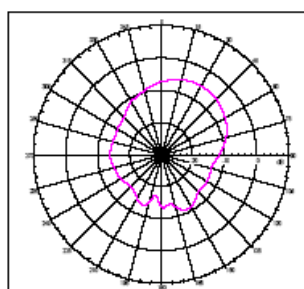
X-Y



X-Z

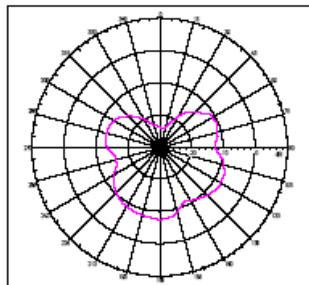


Y-Z

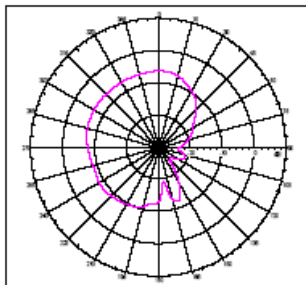


2450MHz

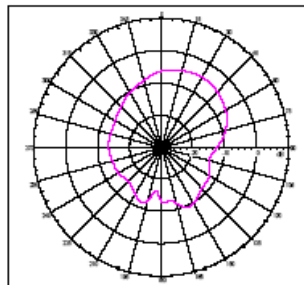
X-Y



X-Z

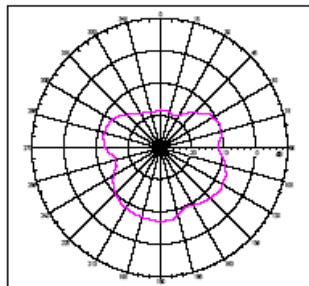


Y-Z

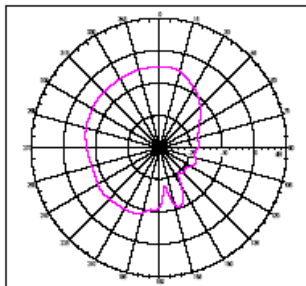


2500MHz

X-Y



X-Z



Y-Z

