

SPEC NO.	SP-12G0915GT05-01	ISSUED DATE	2016.11.24	PUBLISHED BY
PRODUCT NAME	OMA-G04A (Omni Fiberglass Antenna)	VERSION	V01	
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# SPECIFICATION

SPEC NO. : SP-12G0915GT05-01

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PART NO. : OMA-G04A

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PRODUCT NAME : Omni Fiberglass Antenna

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DESCRIPTION : 902-928 MHz /3 dBi/ 白色 Fiberglass  
Omni Antenna with N-style Jack  
Connector (含 cable 213/U 1M N PLUG  
TO N PLUG)

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## REVISION STATUS

VERSION	DATE	PAGE	REVISION DESCRIPTION	PREPARED	DESIGNED	APPROVED
V01	2016.11.24	All	新制訂	Mingru	TY	Frank

Prepared By	Designed By	Approved By

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## Product Description

The GSC-TECH 3 dBi Fiberglass omni directional antenna is specially designed for applications operating in 902-928 MHz frequency, including radio frequency identification (RFID), land mobile, location monitoring systems (LMS), and ISM applications.

It features high gain and is vertically polarized.

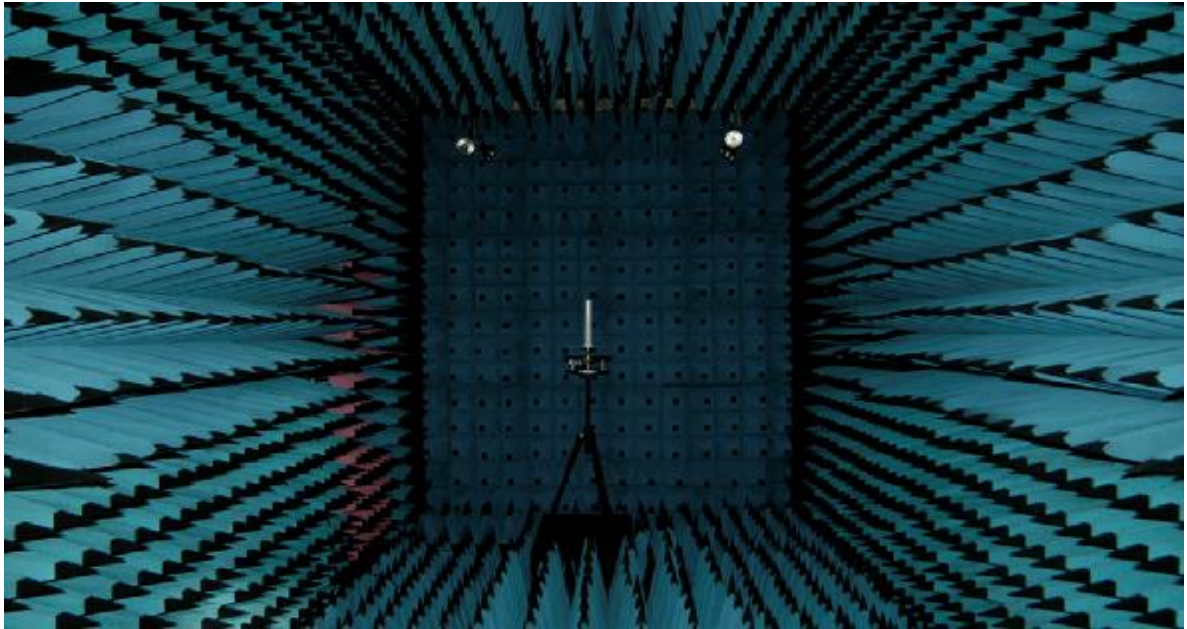
Includes a heavy duty mounting bracket and an N-style Jack connector.

## 1. Product Specifications

<b>Model</b>	
<b>Frequency Range</b>	902 ~ 928 MHz
<b>Bandwidth</b>	26 MHz
<b>Gain</b>	3 dBi
<b>Horizontal Beamwidth</b>	360°
<b>Vertical Beamwidth</b>	60°
<b>VSWR</b>	< 1.5
<b>Nominal Impedance</b>	50 Ohms
<b>Maximum Power rating</b>	100 Watts
<b>Polarization</b>	Vertical
<b>Connector</b>	N-Style Jack
<b>Length</b>	12" / 31cm
<b>Wind Load</b>	120 mph
<b>Radome</b>	White Fiberglass
<b>Mast Mount Diameter</b>	Ø1.5" ~ Ø2.0"
<b>Operating Temperature Range</b>	-22°F ~ 158°F

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## 2. Test Condition



## 3. Return Loss

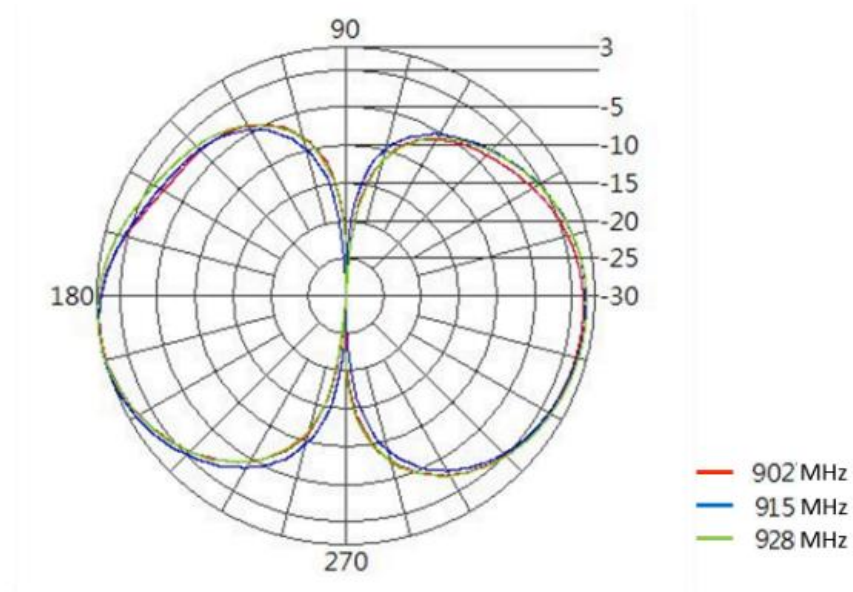


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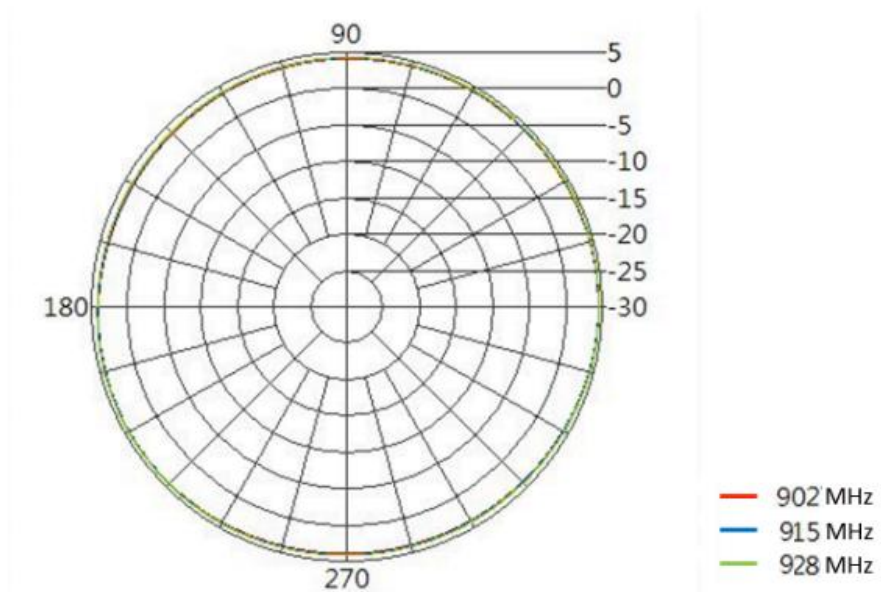
#### 4.Radiation Patern

@ 900MHz, 910Mhz,920Mhz, 930Mhz

##### Vertical Pattern – E plane

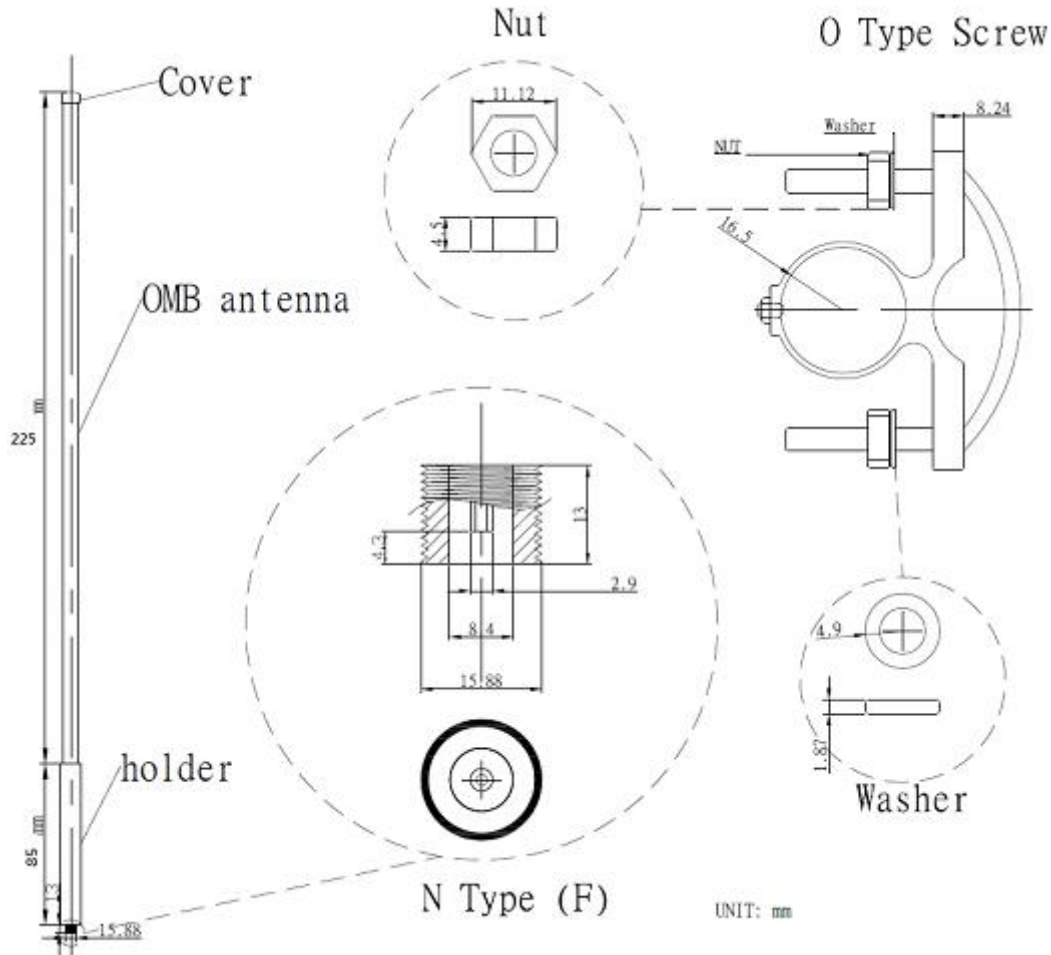


##### Horizontal Pattern – H plane



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## 5. Dimension



Omni Antenna 902 ~ 928 MHz Base Station					
1	name	P/N	material	finish	qty
2	QMB Antenna		glass fiber	white	1
3	Cover		Aluminum	silver	1
4	Holder		Aluminum	silver	1
5	N Type (F)		Bress	Ni Plated	1
6	o type Screw		Stainless stell	silver	1
7	M6 washer		Stainless steel	silver	2
8	M6 nut		Stainless steel	silver	2

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6.cable

## Electrical

Impedance	50 ohm
Frequency Range	0-11 GHz
Working voltage	1000 vrms max. at sea level
VSWR	Straight: 1.3 max Right Angle: 1.5 max
Contact Resistance	Center Contact: 3 Milliohms Max. Outer Contact: 2 Milliohms Max
Insulator Resistance	5000 megohms min

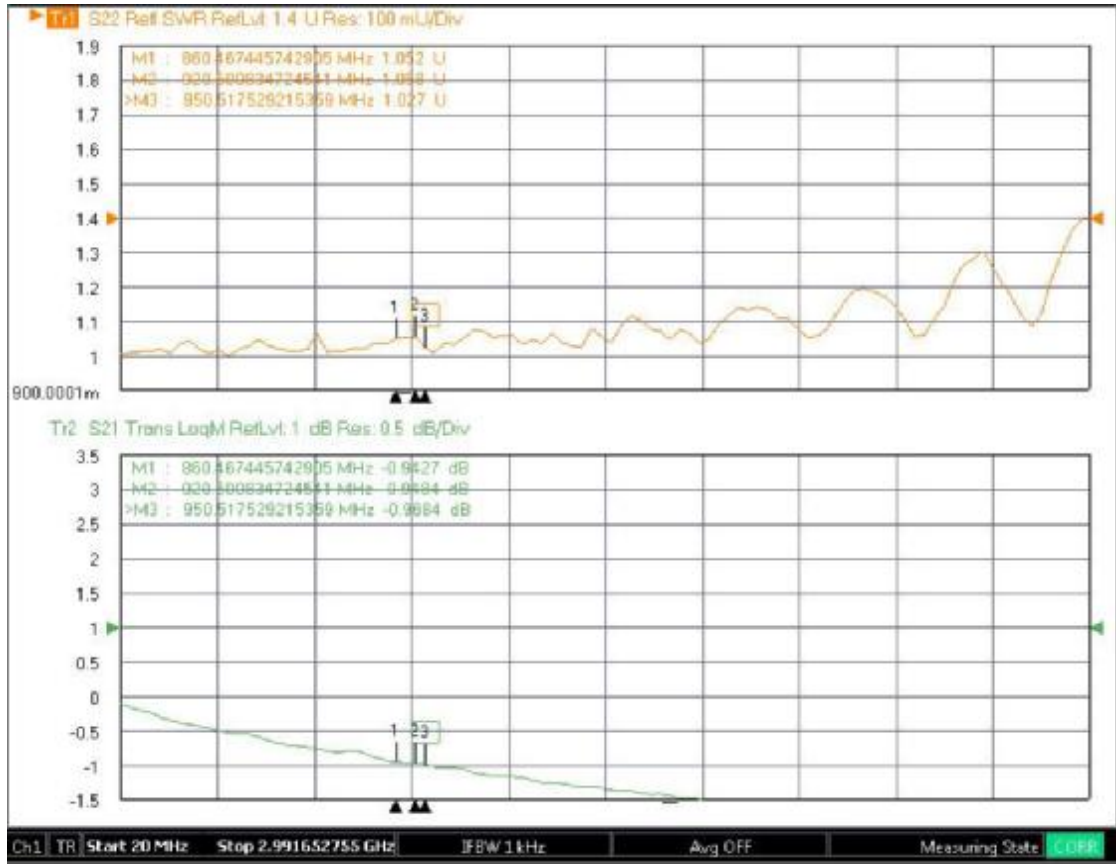
## Material

Name	Material	Finish
Connector body	Brass per JIS-C3604BD	Nickel or gold plating
Center contact female	Beryllium copper per Male: Brass per QQ-B-750	Gold plating Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Nickle or Gold

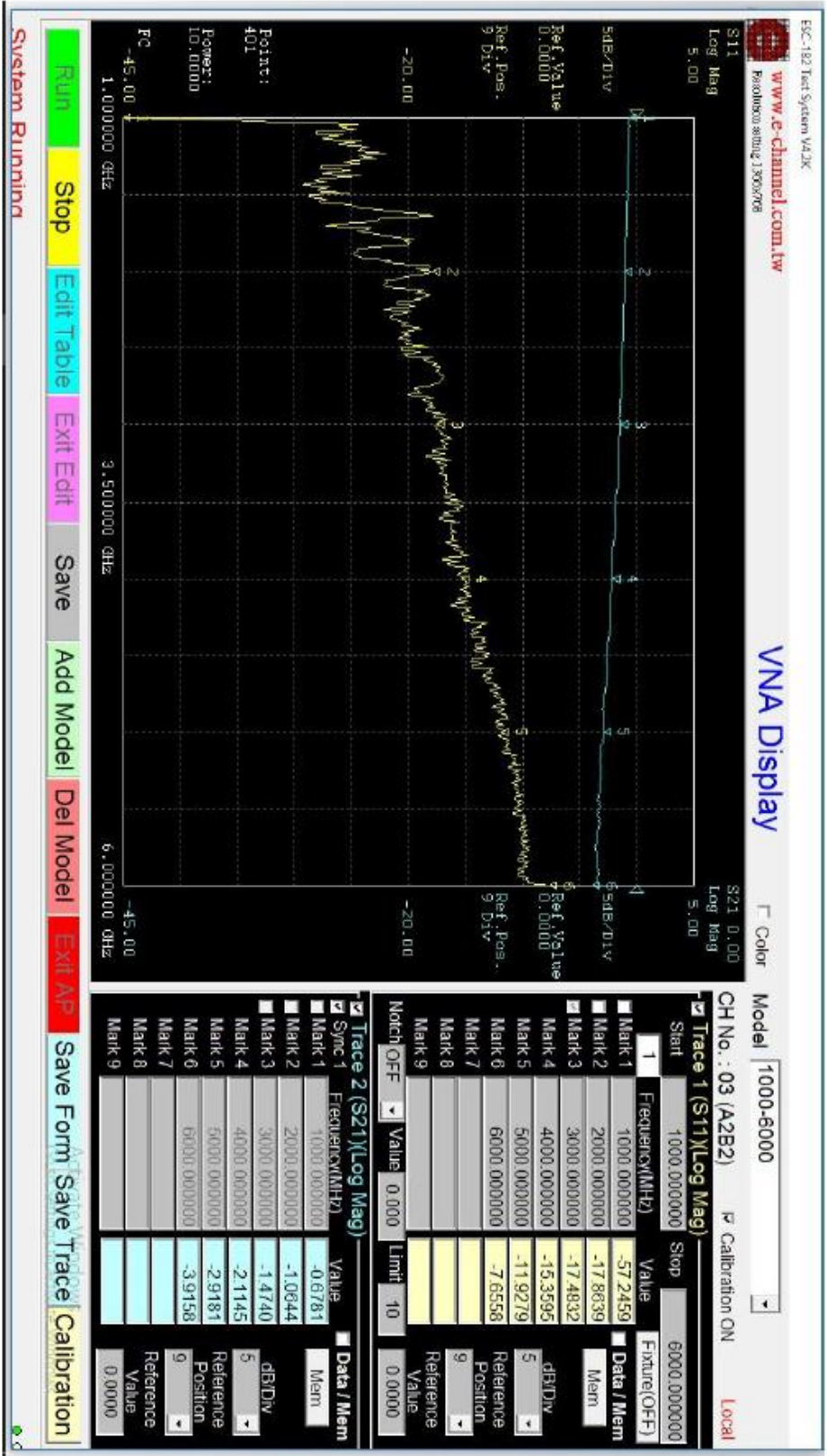
## Mechanical

Engage force	6 lbs. max.
Disengagement force	6 lbs. Max.
Contact retention	6 lbs. min
Durability	500 cycles min

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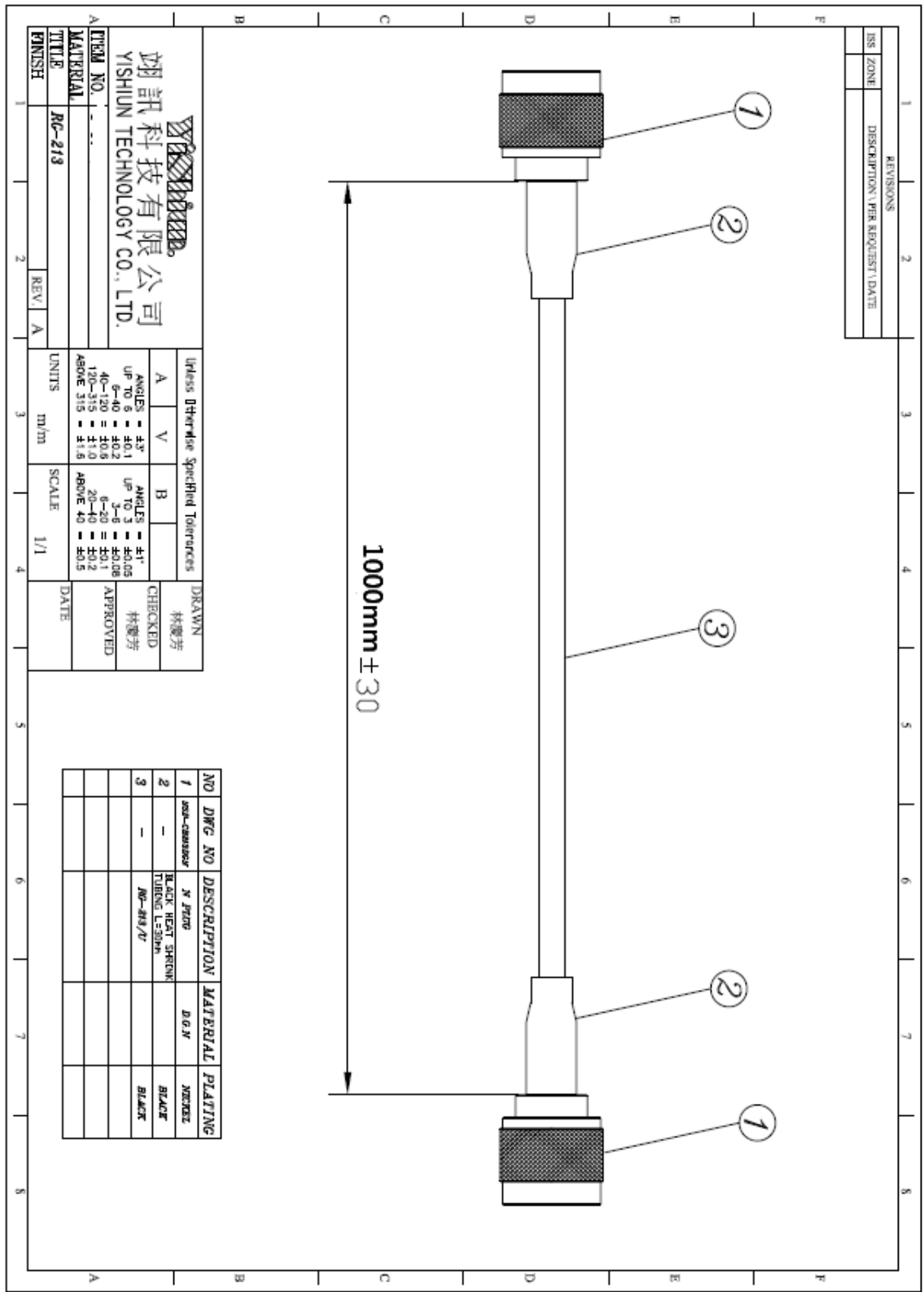


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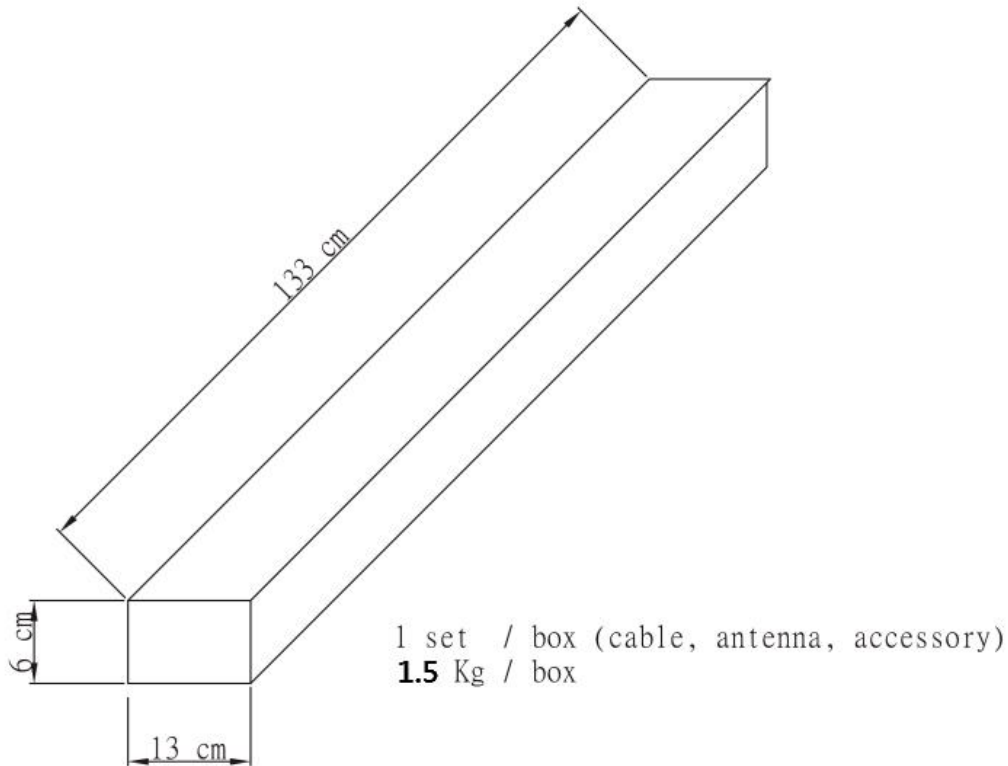


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## 7.Package



### 7.1 包裝箱摔落/落下執行標準：

- § 摔落測試共為六個面(faces)四個底角(corners)。
- § 摔落高度要求如下，以包裝的最低點量測。

Gross weight, m, 總重量 Kg	Drop height, 落下高度 cm
1.5	91

- § 摔落試驗後內裝產品不可以有功能及外觀不良，包括不可以有螺絲鬆動或結構破損的情形。
- § 紙箱經摔落後仍能有效的保持封口密合無破裂。落下後其稜邊(Edge)或角(Corner)的地方有凹陷，或落下角(Corner)的鄰近稜邊(Edge)有小範圍破損，或落下面衝擊處有小範圍的損傷都是可以接受的。