SPECIFICATION

SPEC NO. : BW-915GT-02

PART NO. : OMA-G03A

PRODUCT NAME : Omni Fiberglass Antenna

DESCRIPTION : 902-928 MHz /5 dBi/ Fiberglass Omni Antenna with N-style Jack Connector (含 cable 213/U 1M, N PLUG TO N PLUG)

REVISION STATUS

VERSION	DATE	PAGE	REVISION DESCRIPTION	PREPARED	DESIGNED	APPROVED
V01	2016.09.07	All	新制訂	Mingru	TY	Frank
V02	2017.03.06	P6/10	6.cable (Electrical)	Mingru	TY	Frank

Prepared By	Designed By	Approved By

Product Description

The BW -TECH 5 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.

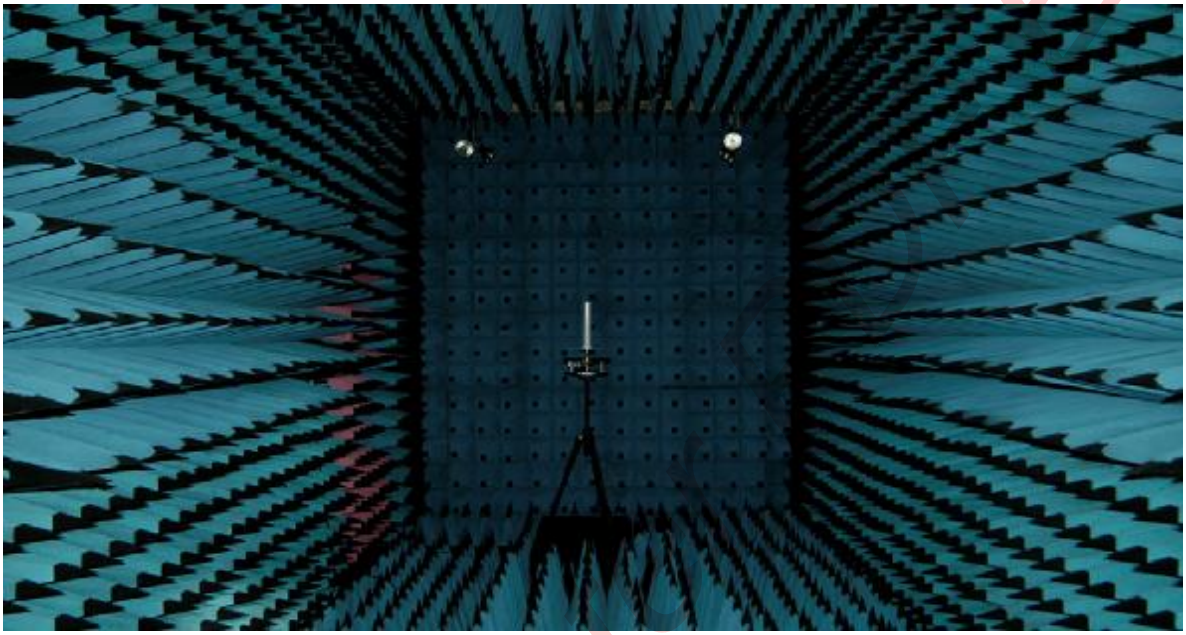
It features high gain and is vertically polarized.

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

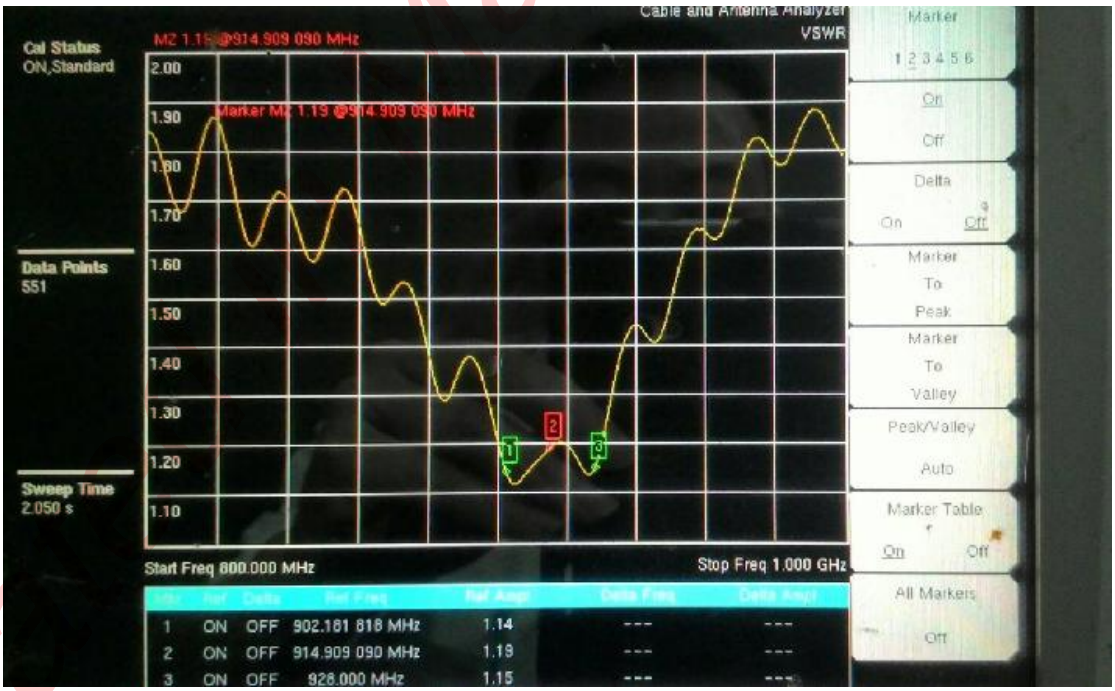
1. Product Specifications

Model	
Frequency Range	902 ~ 928 MHz
Bandwidth	26 MHz
Gain	5 dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	40°
VSWR	< 1.5
Nominal Impedance	50 Ohms
Maximum Power rating	100 Watts
Polarization	Vertical
Connector	N-Style Jack
Length	24″ / 62cm
Wind Load	120 mph
Radome	White Fiberglass
Mast Mount Diameter	Ø1.5″ ~ Ø2.0″
Operating Temperature Range	-22°F ~ 158°F

2. Test Condiction

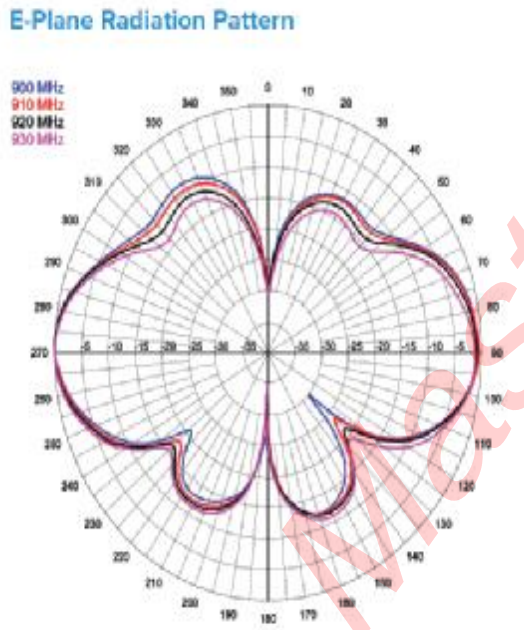


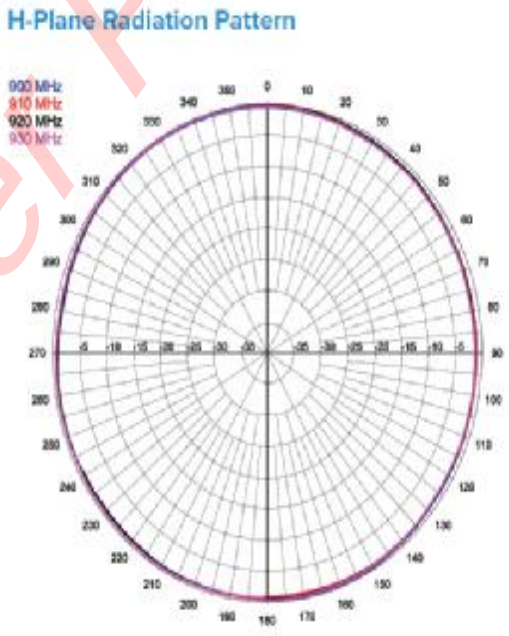
3. Return Loss



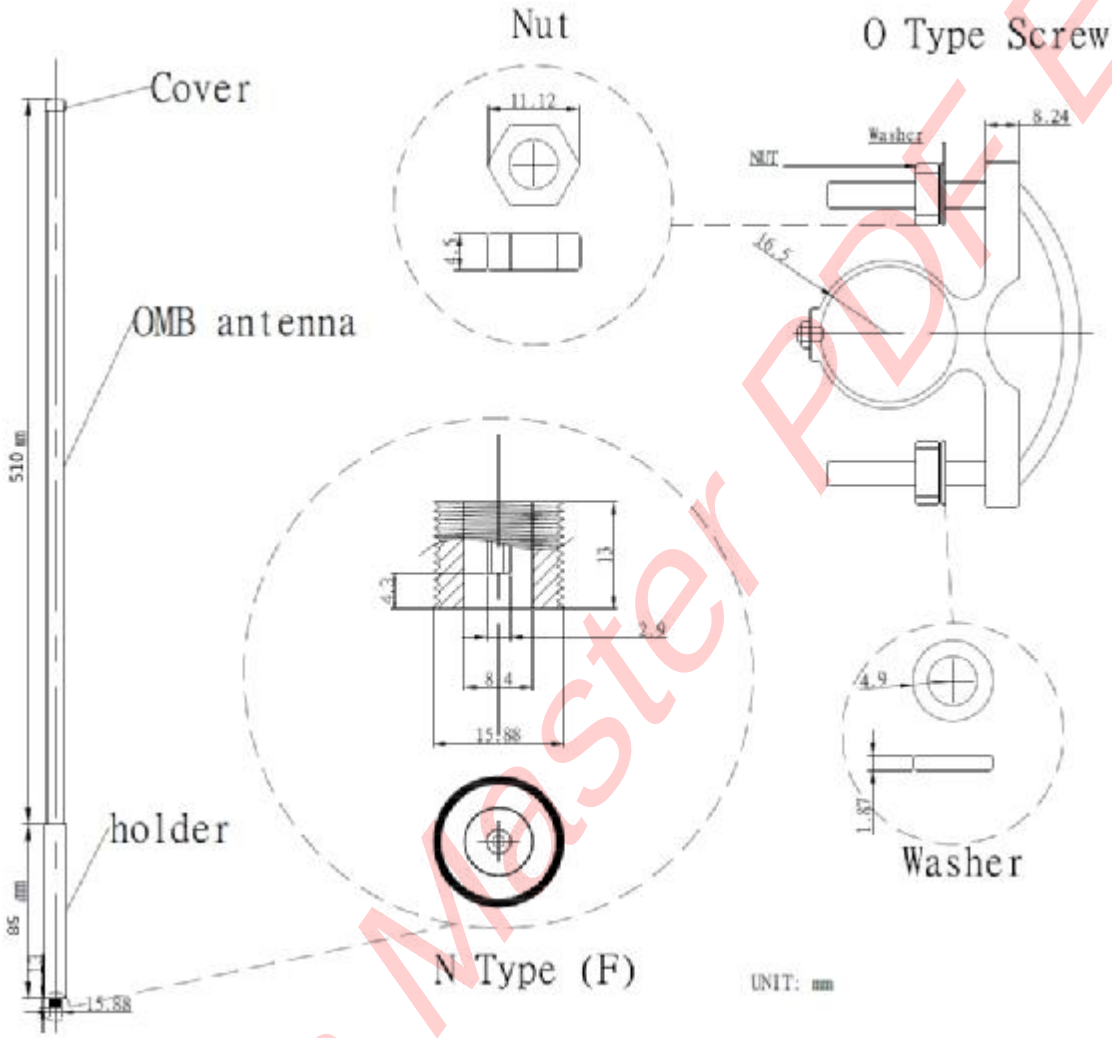
4.Radiation Patern

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





5. Dimension



Omni Antenna 902 ~ 928 MHz Base Station					
1	name	P/N	material	finish	qty
2	OMB 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

6.cable

Electrical

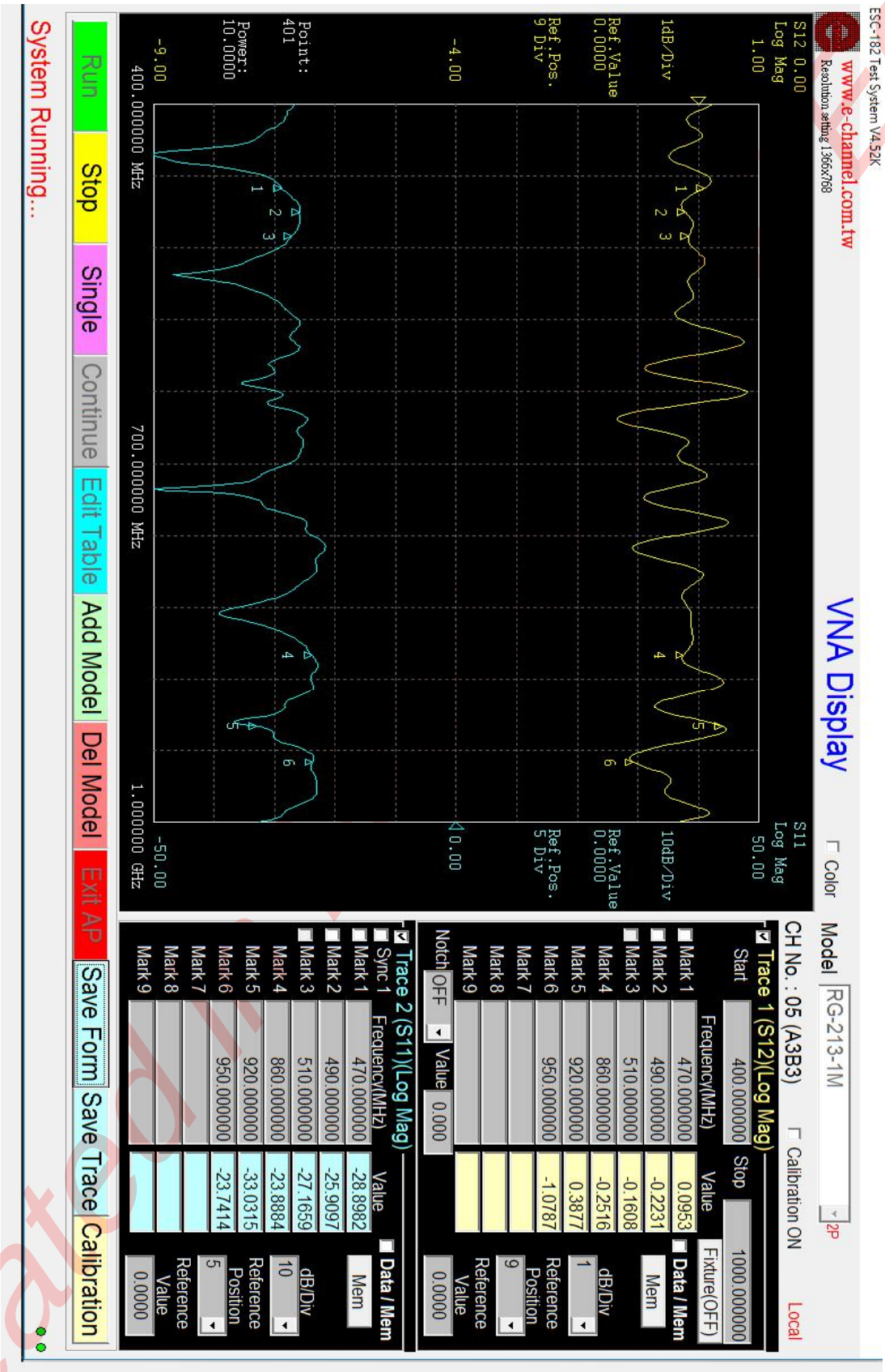
Impedance	50 ohm
Frequency Range	0- 6 GHz
Working voltage	1000 vrms max. at sea level
RL	<-10dB@0~5GHz <-7dB @5G~6GHz
Contace Resistance	Center Contact: 3 Millohms Max. Outer Contact: 2 Millohms Max
Insulator Resistance	5000 megohms min

Material

Name	Material	Finish
Connector body	Brass per JIS-C3604BD	Nickel or gold plating
Center contact female	Beryllinm 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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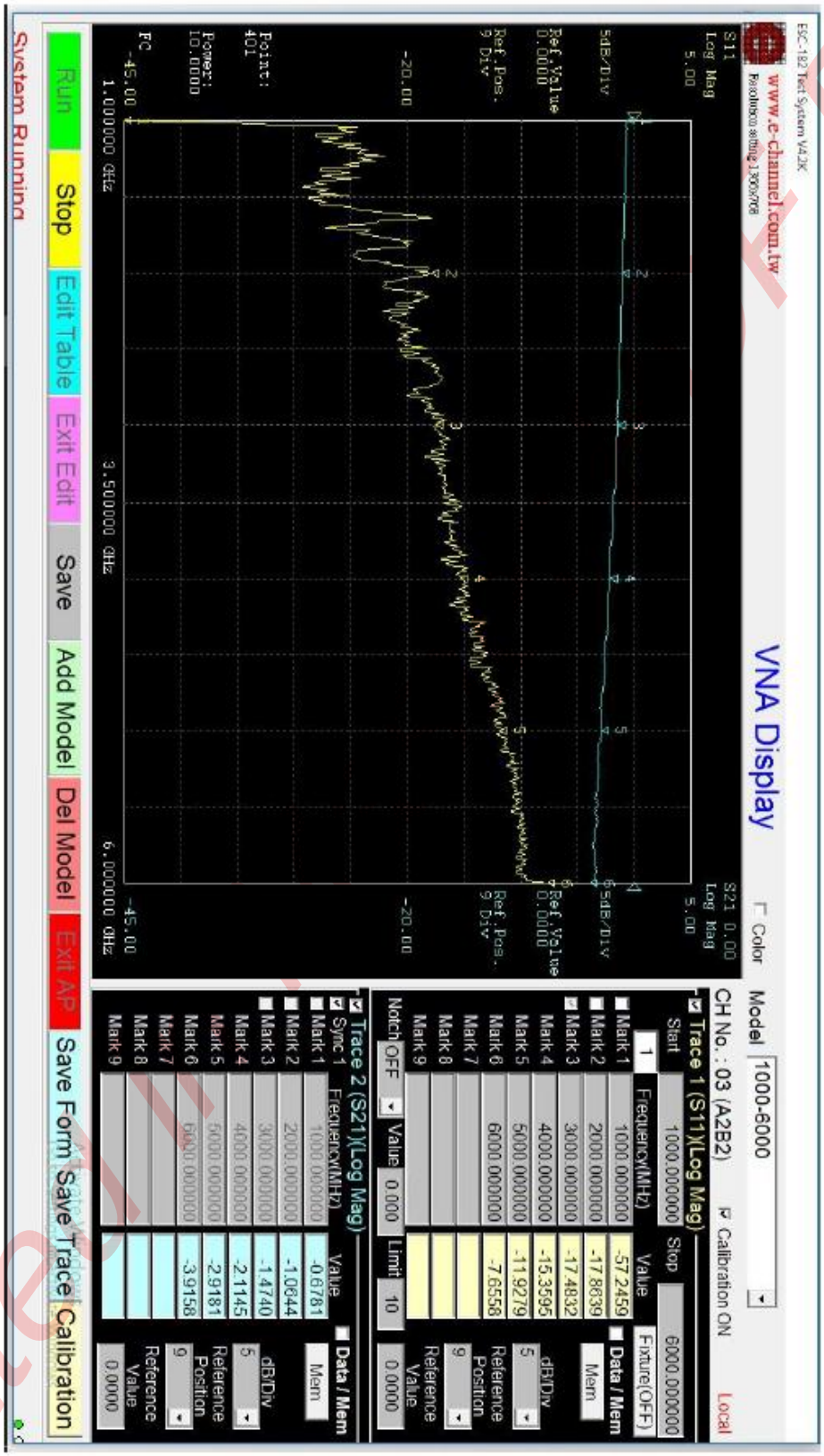

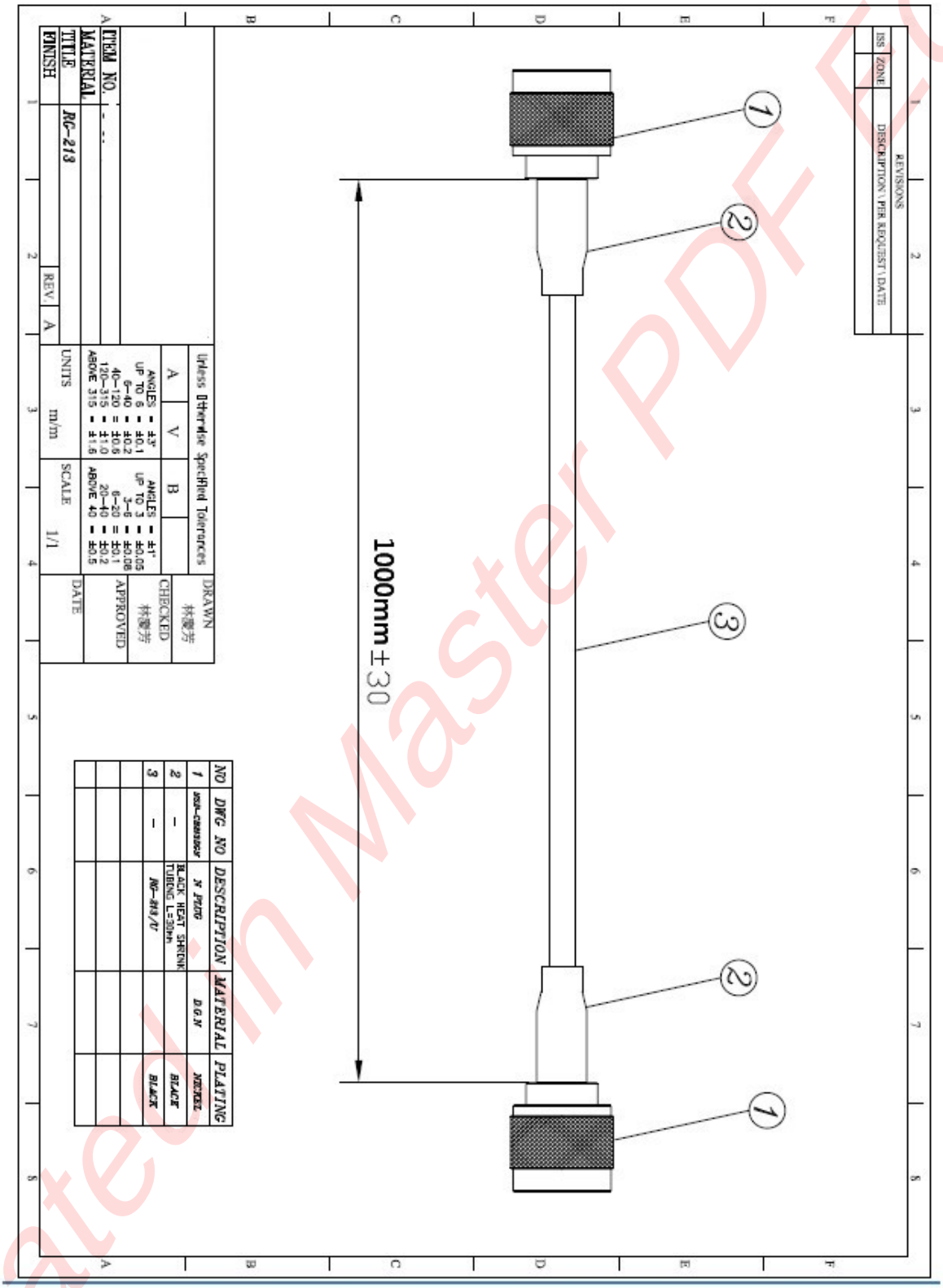

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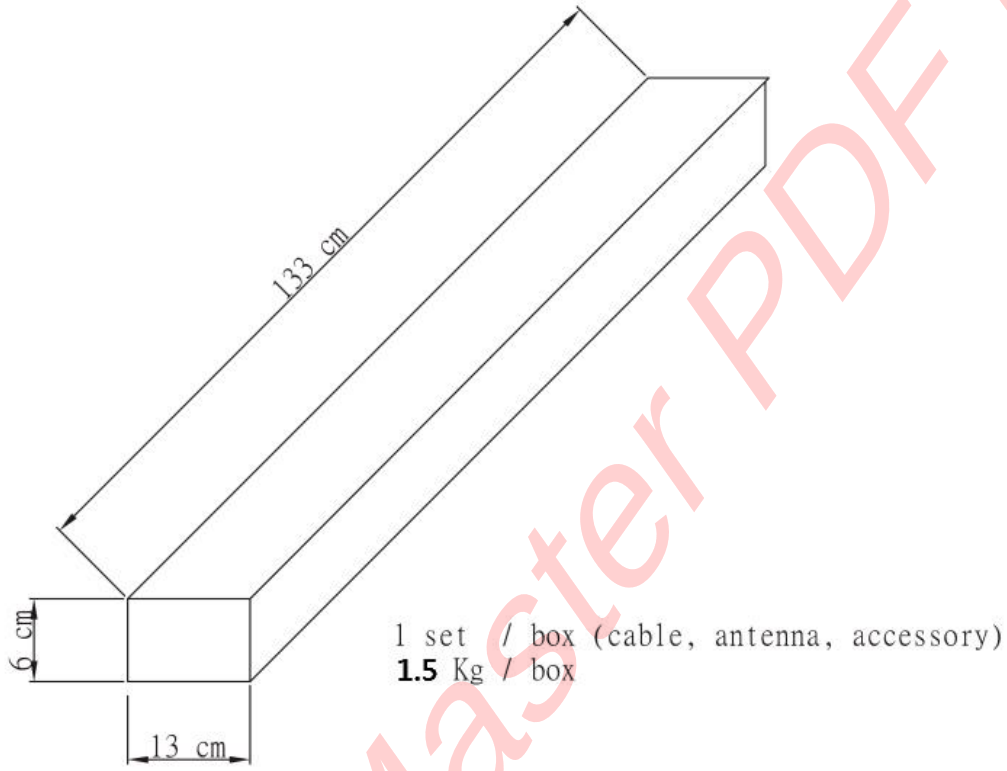
7.Package



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。落下後其棱邊(Edge)或角(Corner)的地方有凹陷，或落下角(Corner)的鄰近棱邊(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。