

# PROFESSOR TECHNOLOGY CO.,LTD.

## INTRODUCTION

### 5G/4G/LTE Antenna CP008-MP-77H-5G/4G/LTE (600~960/1710~2170/2400~2700/3200~3800MHz)

#### 1. GENERAL DESCRIPTION

P/N
CP008-MP-77H-5G/4G/LTE

Below is a table summarizing the 5G/4G/LTE Antenna design specification.

#### 1.1 Electrical Properties

Parameter	Description
Frequency Band	600~960/1710~2170/2400~2700/3200~3800MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	600Mhz(-17.175dB),764Mhz(-9.584dB),1625MHz(-12.329dB) 2635Mhz(-16.951dB)3095MHz(-20.340dB)3755MHz(-12.594dB)
V.S.W.R	600MHz(1.321:1),764MHz(1.993:1),1625MHz(1.638:1) 2635MHz(1.331:1),3095MHz(1.213:1),3755MHz(1.613:1)
Reflection coefficient	600Mhz(0.138),764MHz(0.332),1625MHz(0.242), 2635MHz(0.142),3095MHz(0.096),3755MHz(0.235)
Antenna Average Gain	1.5~3.5dB

**Note:** Antenna Gain includes the connector loss

#### 1.2 Mechanical Properties

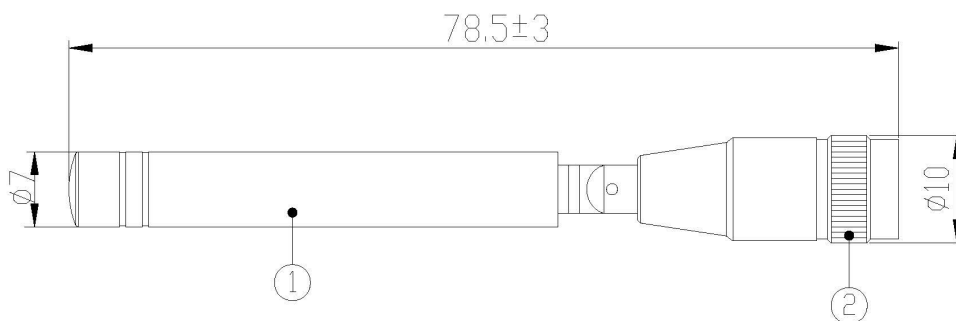
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	78.5 ± 3
Antenna Color	Black


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Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-35°C~+75°C

## 2. Appearance

NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	SMA (Male )	Black	01



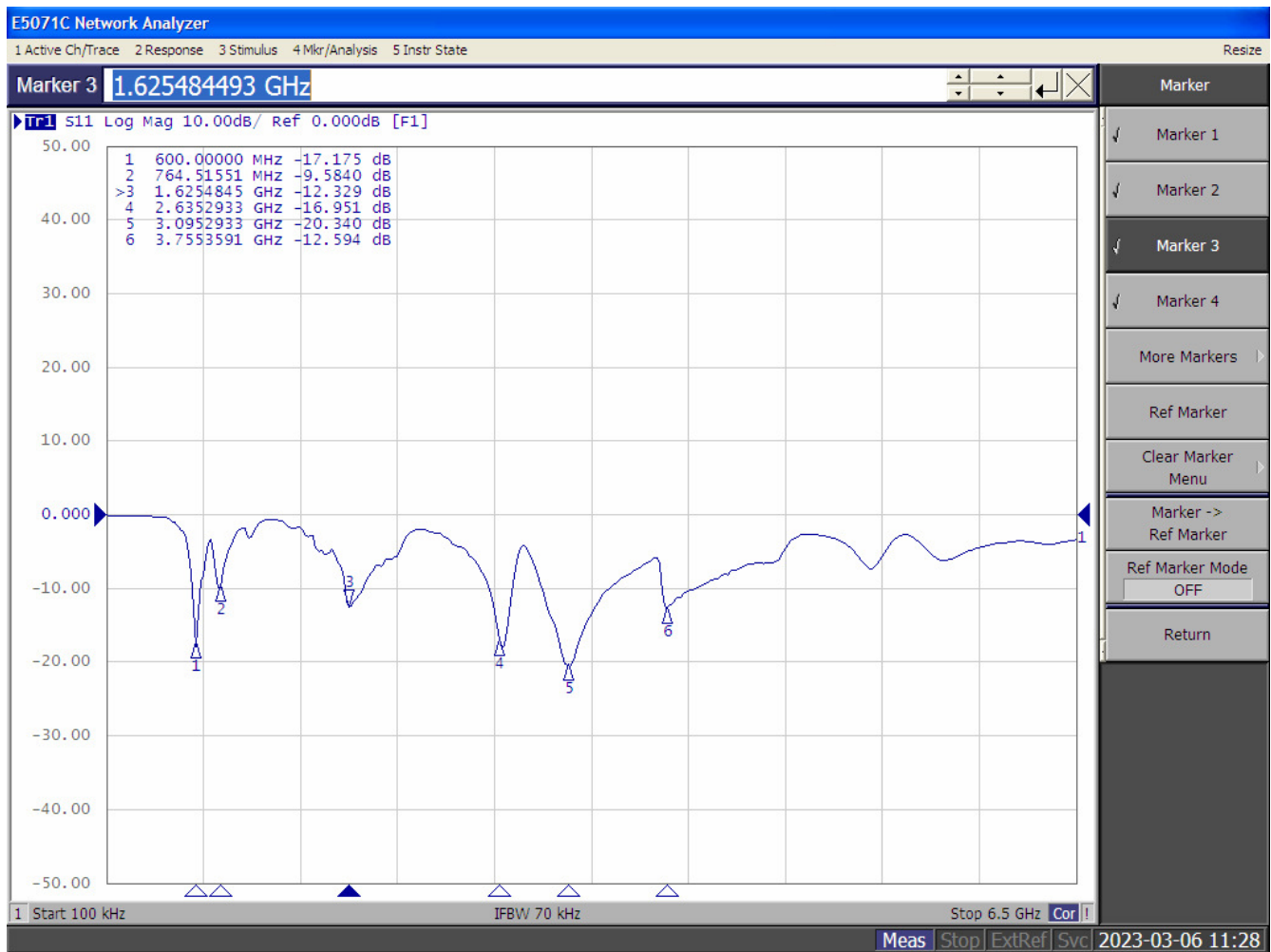
 Third angle projection PROFESSOR 普傑國際股份有限公司	CUSTOMER'S	MODEL	FREQUENCY		UNIT	SCALE	DATE	VERSION
				617-960/1427-2690/3300-5000/5150-5925MHz		M/M		20201019
	TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\frac{S}{\sqrt{\vee}}$	APPEARANCE	MP-77H				



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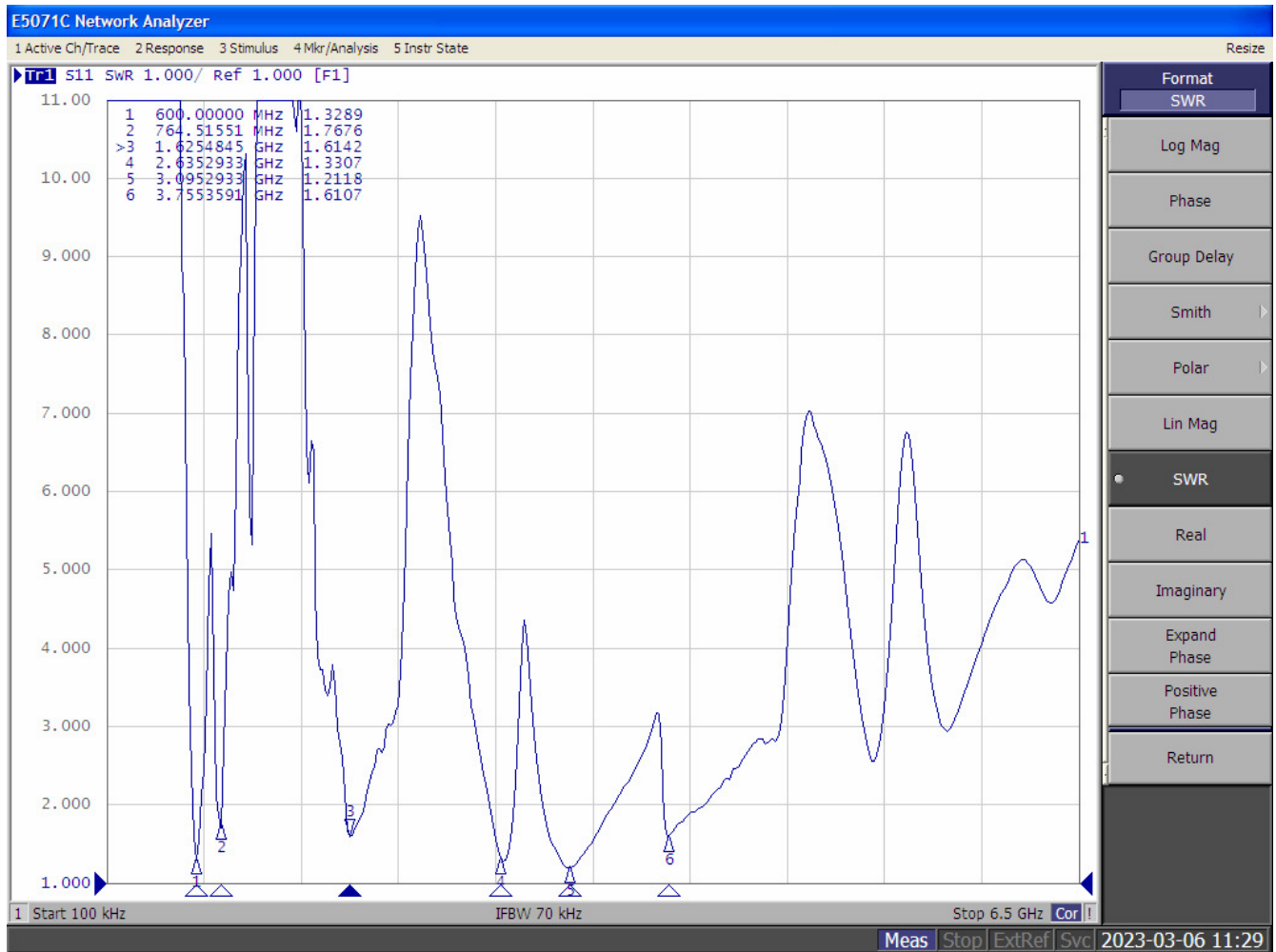
## 3. Return Loss, V.S.W.R. and Smith Chart

### Return Loss,



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## V.S.W.R.



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## Smith Chart

