

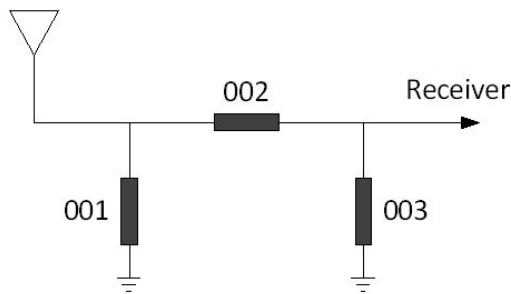
## EXTERNAL ANTENNA

### 1. Specification:

<b>PRODUCT NAME</b>	EXTERNAL ANTENNA
<b>PART NO.</b>	N/A
<b>FREQUENCY</b>	690-2690MHz
<b>V.S.W.R</b>	≤3.0
<b>GAIN ( DBI )</b>	3.0/2.0dBi
<b>POLARIZATION</b>	Linear,
<b>STORAGE TEMP</b>	-40°C~+80°C
<b>OPERATING TEMPERATURE</b>	-40°C~+80°C
<b>IMPEDANCE WITH MATCHING</b>	50 Ω
<b>WEIGHT</b>	100 g
<b>ANTENNA TYPE</b>	SMA-J
<b>DIMENSION</b>	L170 X W19(mm)

### 2. Typical Electrical Characteristics:

➤ Recommend Matching Circuit



REFERENCE:

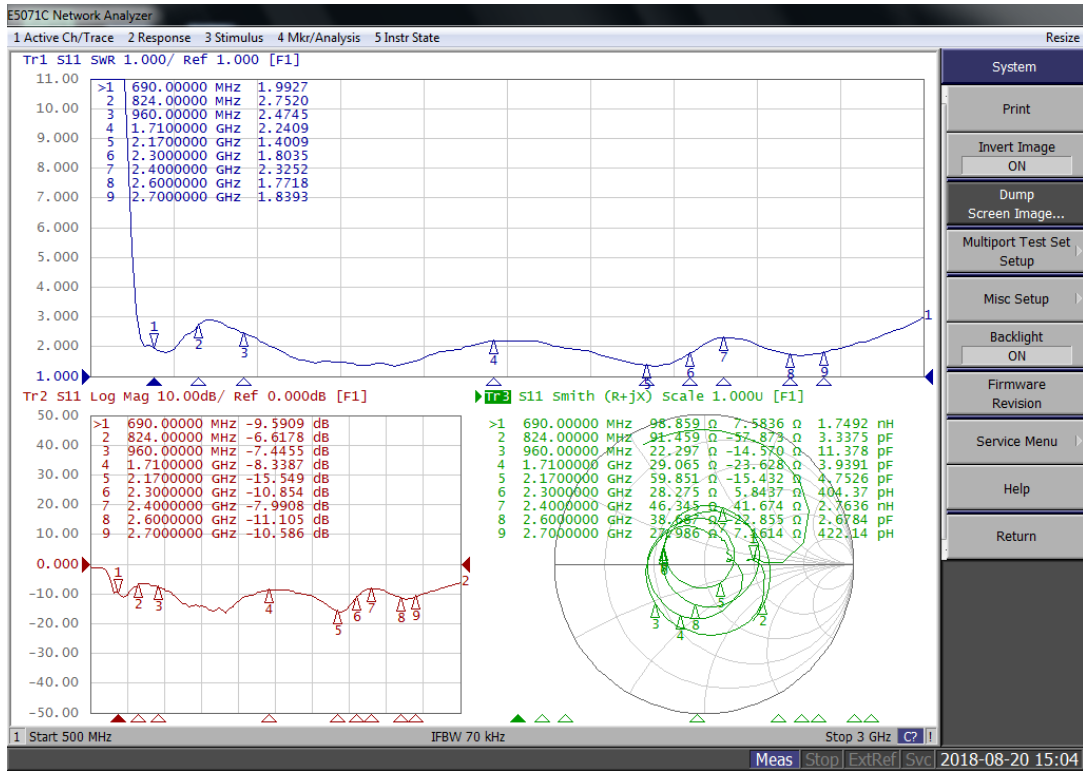
001=(N/A)      002=0 Ω

003=(N/A)

<u>REVISION:</u> <b>1</b>	<u>ECR/ECN INFORMATION:</u> EC No: DATE:	<u>TITLE:</u> <b>EXTERNAL ANTENNA DRAFT DATASHEET</b>	<u>SHEET No.</u> <b>1 of 4</b>
<u>DOCUMENT NUMBER:</u>	<u>CREATED / REVISED BY:</u>	<u>CHECKED BY:</u>	<u>APPROVED BY:</u>

➤ VSWR

## VSWR vs Frequency measured in free space IceBladeLS measured in soant



REVISION:  
**1**

ECR/ECN INFORMATION:  
EC No:  
DATE:

TITLE:  
**EXTERNAL ANTENNA DRAFT DATASHEET**

SHEET No.  
**2 of 4**

DOCUMENT NUMBER:

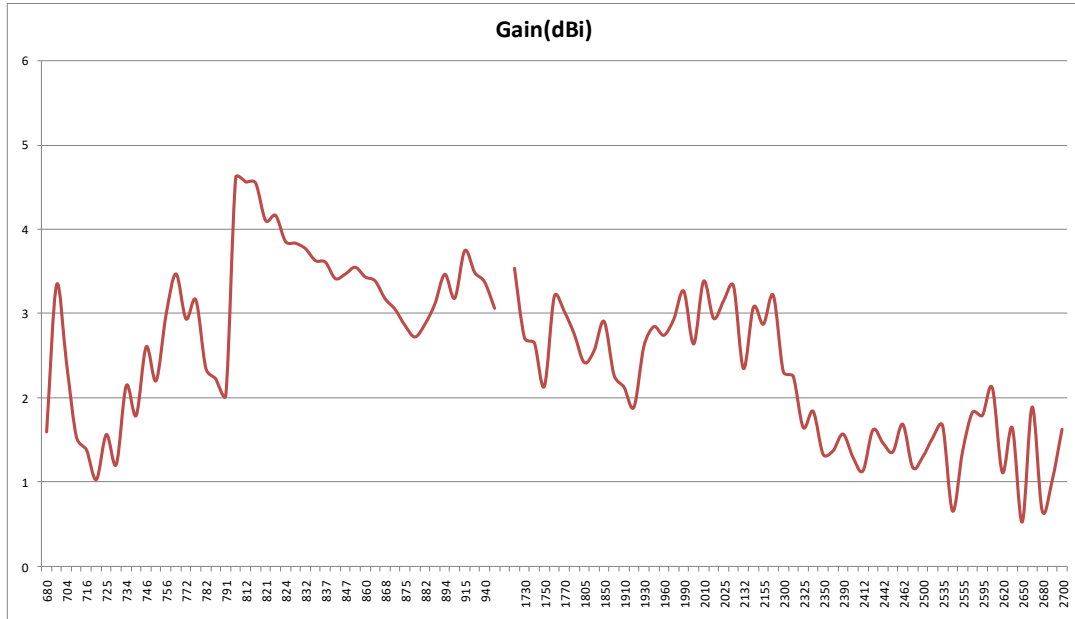
CREATED / REVISED BY:

CHECKED BY:

APPROVED BY:

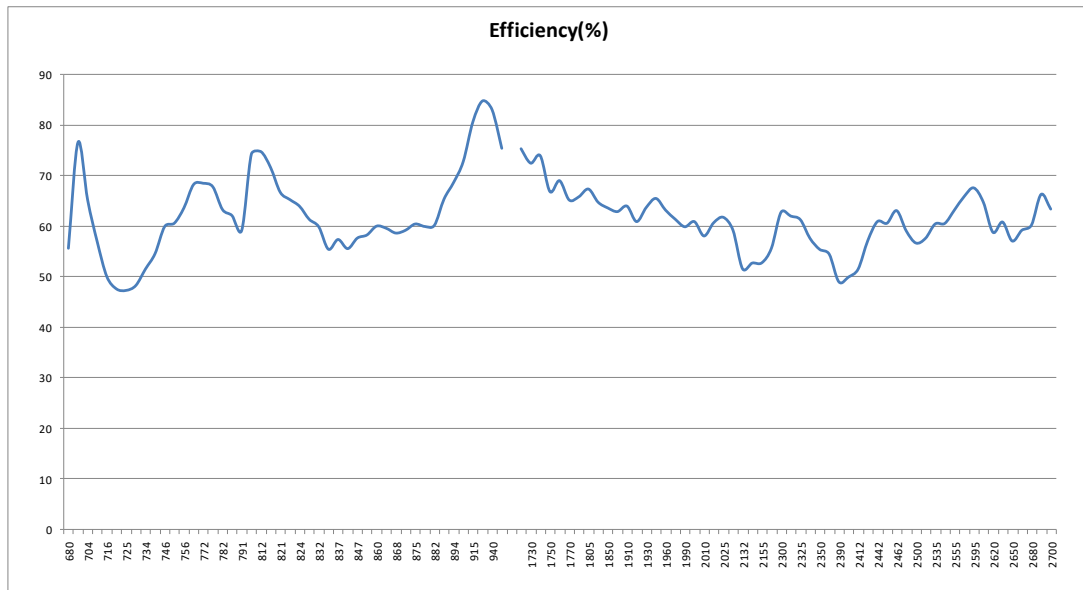
➤ **Peak Gain (dBi)**

**Peak Gain vs Frequency measured in free space IceBladeLS measured in soant**



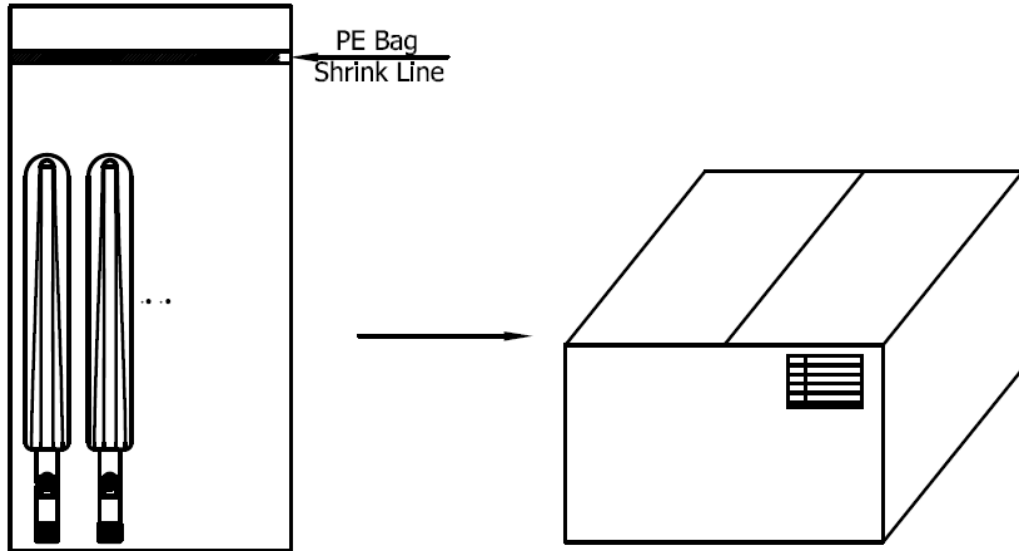
➤ **Efficiency (%)**

**Efficiency vs Frequency measured in free space IceBladeLS measured in soant**

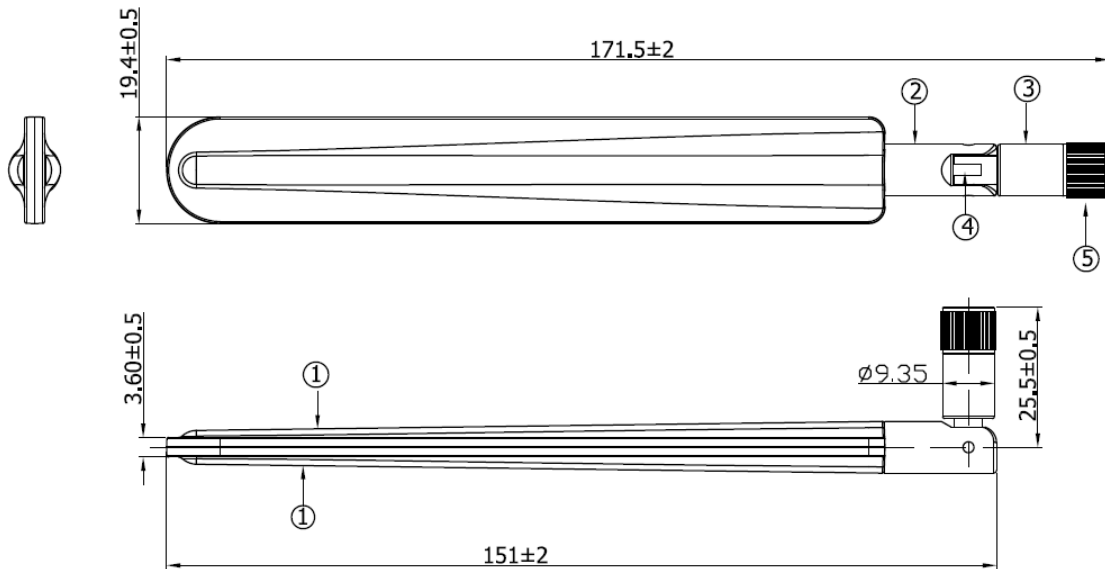


<b>REVISION:</b> <b>1</b>	<b>ECR/ECN INFORMATION:</b> EC No: DATE:	<b>TITLE:</b> <b>EXTERNAL ANTENNA DRAFT DATASHEET</b>	<b>SHEET No.</b> <b>3 of 4</b>
<b>DOCUMENT NUMBER:</b>		<b>CREATED / REVISED BY:</b>	<b>CHECKED BY:</b>
			<b>APPROVED BY:</b>

### 3. Package



### 4. Dimension



5	Connector	SMA-J	1	
4	Cable	RG1.78 Cable,Brown,50Ω	1	
3	Antenna Base	PC+PBT,Color:Black	1	
2	Antenna Base	PC+PBT,Color:Black	1	
1	Antenna Body	ABS,Color:Black	2	
NO	DESCRIPTION		Q'TY	REMARK

REVISION:

1

ECR/ECN INFORMATION:

EC No:

DATE:

TITLE:

EXTERNAL ANTENNA DRAFT DATASHEET

SHEET No.

4 of 4

DOCUMENT NUMBER:

CREATED / REVISED BY:

CHECKED BY:

APPROVED BY: