
SPECIFICATION FOR APPROVAL

Company : AEL LIGHTING CO.,LTD

Product : RF Remote Controller

Specification: 433.67MHz-433.92MHz

Model : WL3WL376 (22CL-GSGK-LED)

Date : 2019-01-08

SPECIFICATION

Electrical specifications

Resonate Frequency **4 3 3 . 6 7 M H z - 4 3 3 . 9 2 M H z**

Resonate Impedance **50 ohm Nominal(Depend on
avail ground plane)**

Radiation pattern **(Omni direction)**

Polarization **(Vertical)**

VSWR/50 Ohms **1.5 or less**

Insulation resistance **500 M ohm DC 500V**

Mechanical characteristics

dimension of antenna **∅ 13 (mm) *129 (mm)**

Weight of antenna **13g**

SMA-M

The strength of fixing between sleeve and stud shall withstand the following stresses

Vertical Direction **2.0kgs**

Rotating Direction **2.0kgs**

General Characteristics

Storage Temperature -30 °C to 80°C

Operating Temperature -30 °C to 60°C

Mechanical and electrical functions after the antenna being

Tested by a regular mount device under the following

conditions:

Displacement +/-5° of the axis Original position

Duration 1000 cycles/minutes

Time 5 minutes

shock Resistance

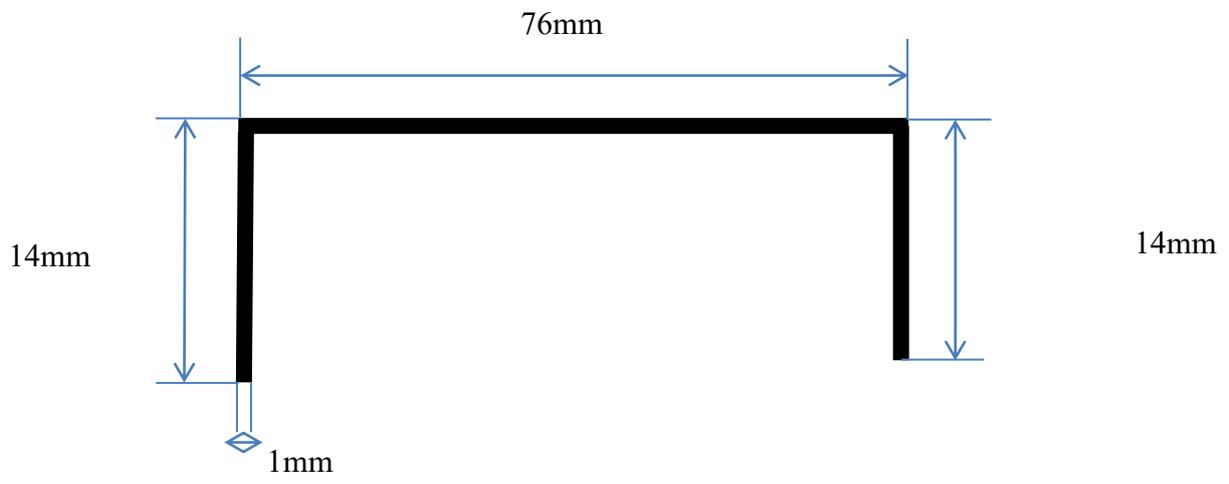
satisfy the

electrical and mechanical

characteristics after drop down

with 100g upon rubber block

Antenna photo & Length (mm)

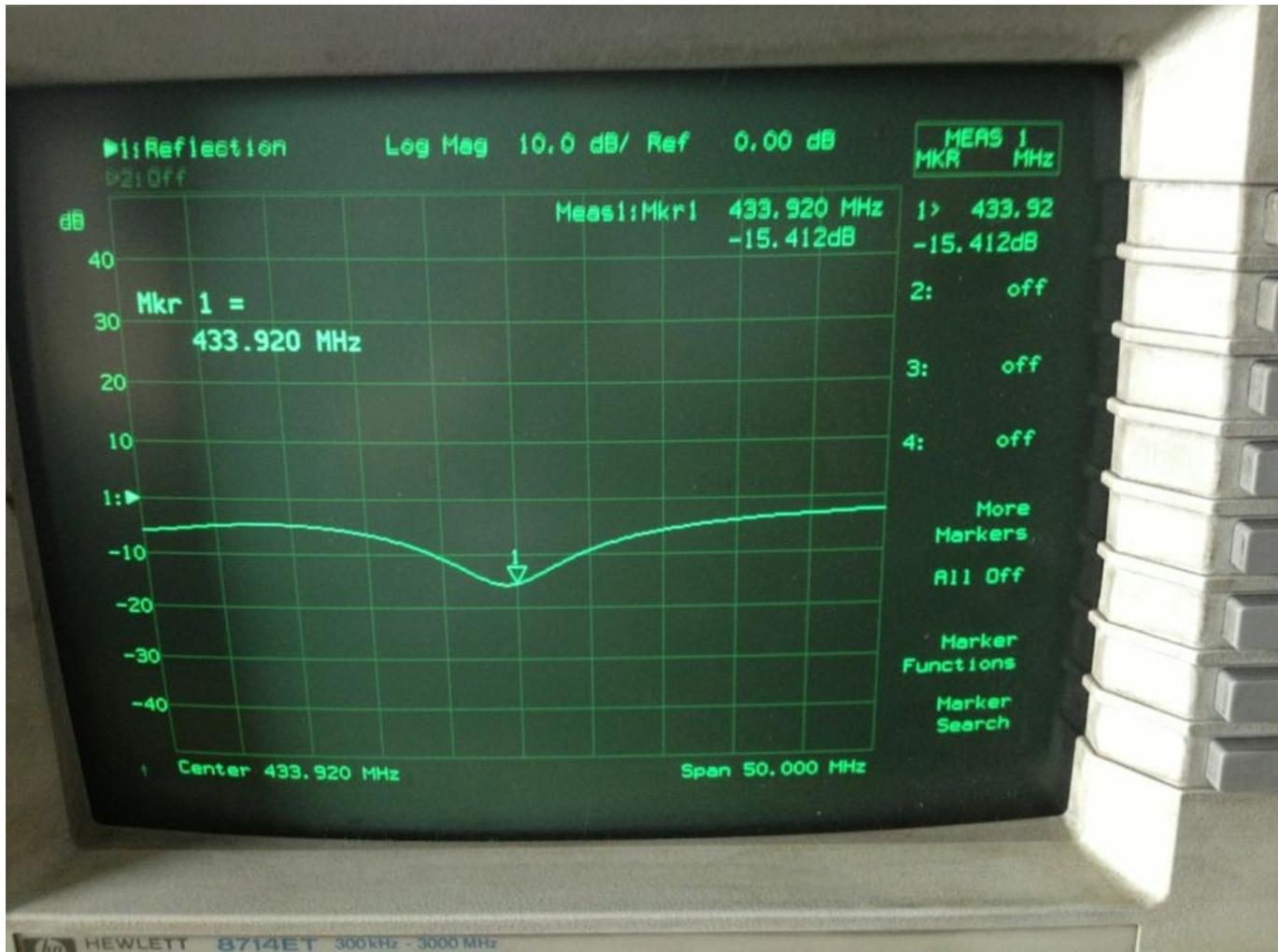


Test setup: Antenna on elevation angle = 0° azimuth plane

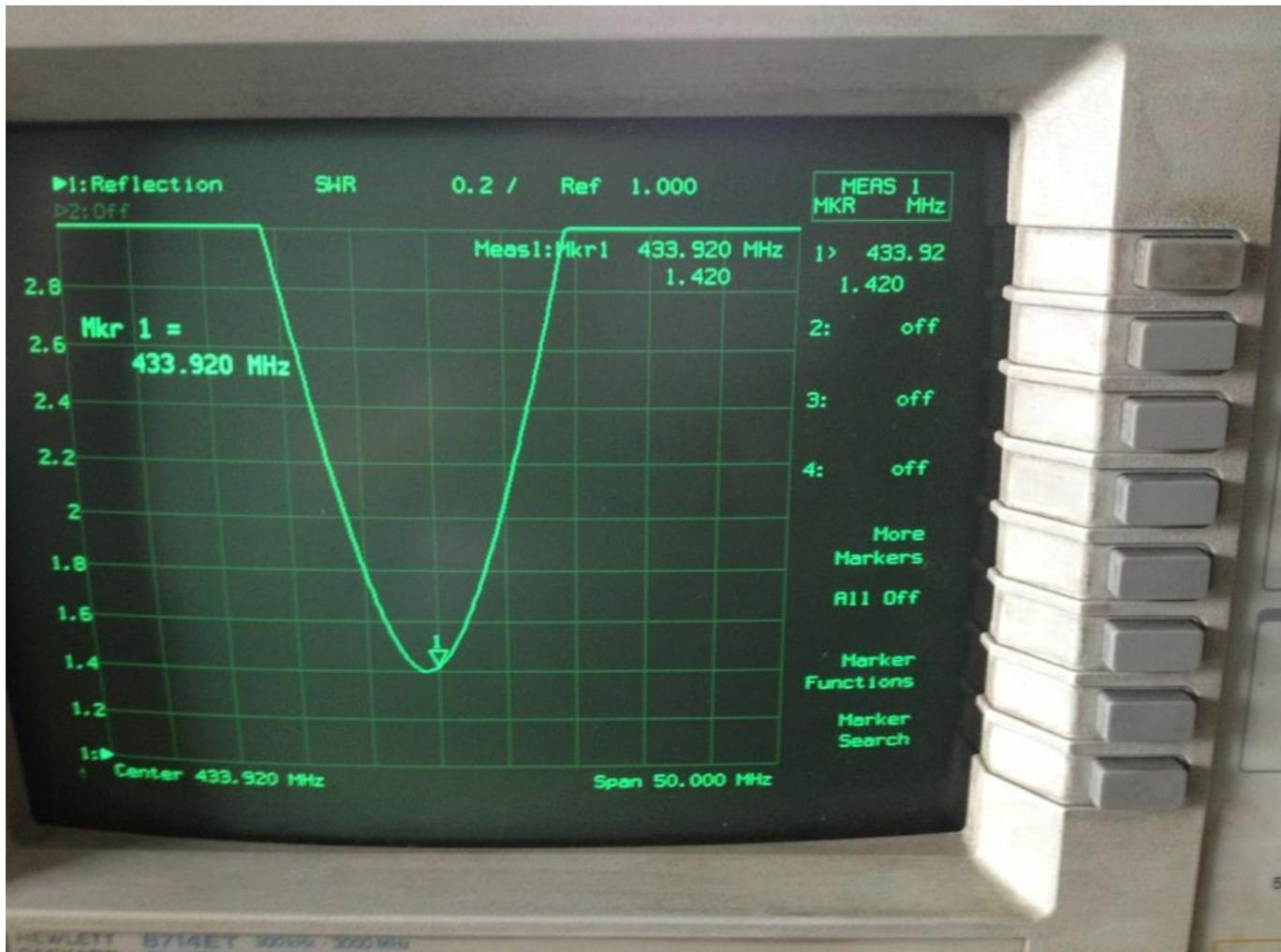
Average Gain(dBi)	Peak Gain(dBi)	Pass/NG
433.67MHz-433.92MHz	433.67MHz-433.92MHz	
-5.12	0	Pass

test data :

1、RETURN LOSS



2. V. S. W. R:



3. SMITH CHART:

►1: Reflection
►2: Off

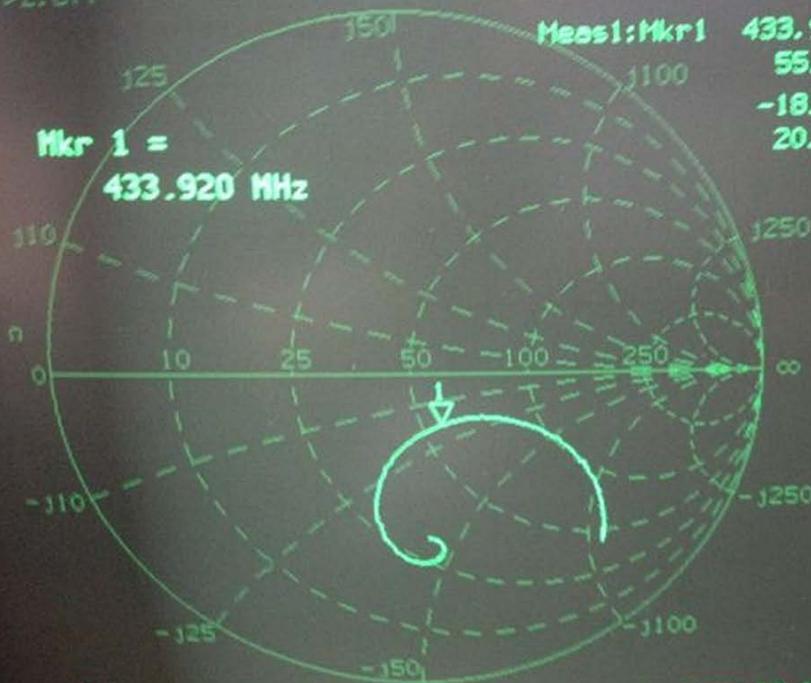
Smith 1 UFS

MEAS 1	
MKR	FHz

Meas1:Mkr1 433.920 MHz
55.91n
-18.01n
20.36pF

1	433.92
	55.98n
	-18.01n
2:	off
3:	off
4:	off

Mkr 1 =
433.920 MHz



More Markers
All Off
Marker Functions
Marker Search

Center 433.920 MHz

Span 50.000 MHz