



## Setup Photos to Test Report

**For:**

Banner Engineering Corp.

**Brand:**

Banner Engineering Corp.

**Marketing Name:**

77 GHz Industrial Radar Presence Detector

**Model Name:**

Q90R27

**Product Description:**

Industrial Radar Presence Detector

**FCC ID:** UE3Q90R2-7

**IC:** 7044A-Q90R27

**Applied Rules and Standards:**

CRF Title 47 Part 95M

RSS-251 Issue 2, RSS-Gen Issue 5

**REPORT #:** EMC\_BANNE\_011\_24001\_FCC95M\_RSS251

**DATE:** 2025-03-14



A2LA Accredited

IC recognized #  
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**TABLE OF CONTENTS**

|   |                                                   |   |
|---|---------------------------------------------------|---|
| 1 | TEST SETUP PHOTOS: RADIATED TEST .....            | 3 |
| 2 | TEST SETUP PHOTOS: FREQUENCY STABILITY TEST ..... | 6 |
| 3 | REVISION HISTORY .....                            | 7 |

## 1 Test setup photos: radiated test



**Photo 1:** Emissions in frequency range 9 kHz to 30 MHz



**Photo 2:** Emissions in frequency range 30 MHz to 1 GHz



**Photo 3:** Emissions in frequency range 1-3 GHz



**Photo 4:** Emissions in frequency range 3-18 GHz

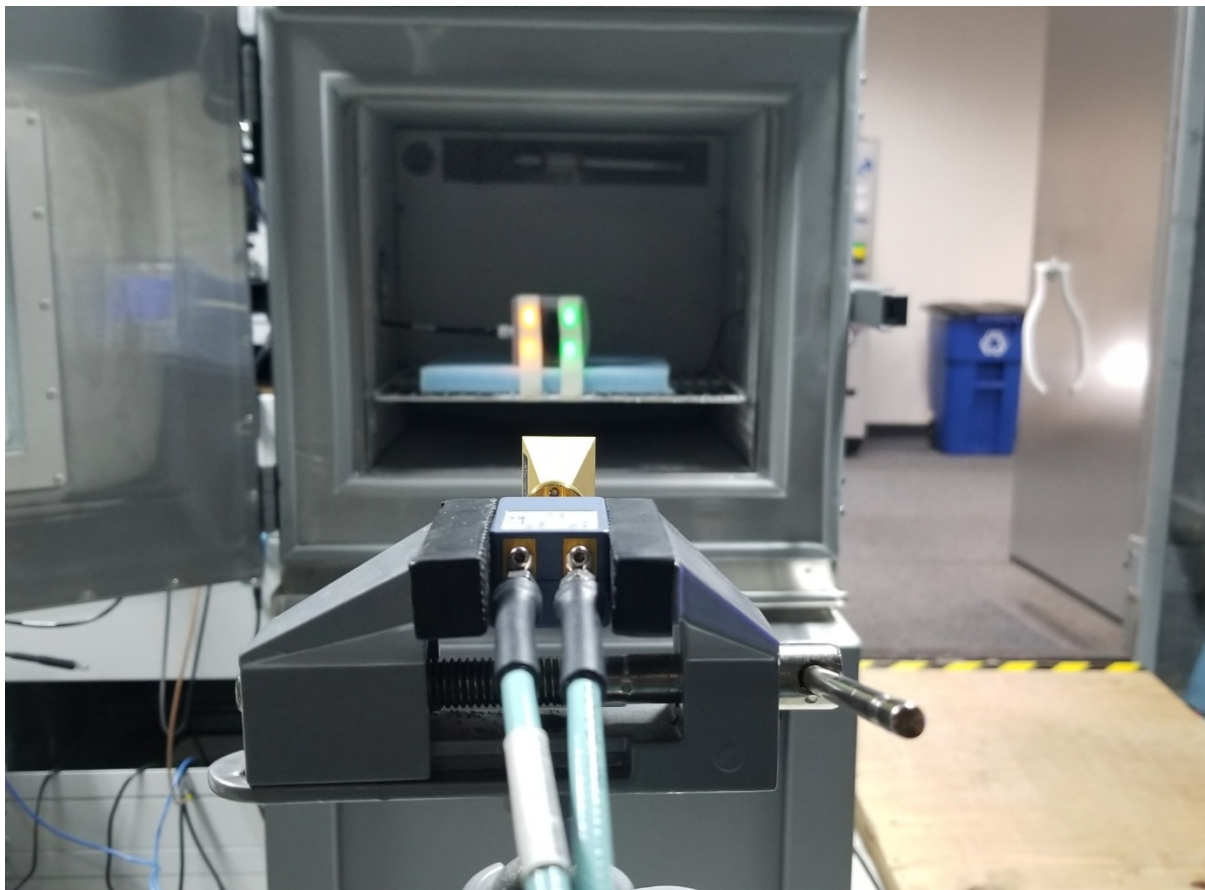


**Photo 5:** Emissions in frequency range 18-40 GHz



**Photo 6:** Emissions in frequency range 40-60 GHz (for other frequency ranges above 40 GHz, other external mixer and antenna are applied)

## 2 Test setup photos: Frequency stability test



**Photo 7:** Test setup for in the climatic chamber

### 3 Revision History

| Date       | Report name                                   | Changes to report | Prepared by      |
|------------|-----------------------------------------------|-------------------|------------------|
| 2025-02-18 | EMC_BANNE_011_24001_FCC95M_RSS251_Photos      | Initial version   | Guangcheng Huang |
| 2025-03-14 | EMC_BANNE_011_24001_FCC95M_RSS251_Photos_Rev1 | Update model name | Guangcheng Huang |
|            |                                               |                   |                  |
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