



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 #
3462B

CABID: US0187

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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

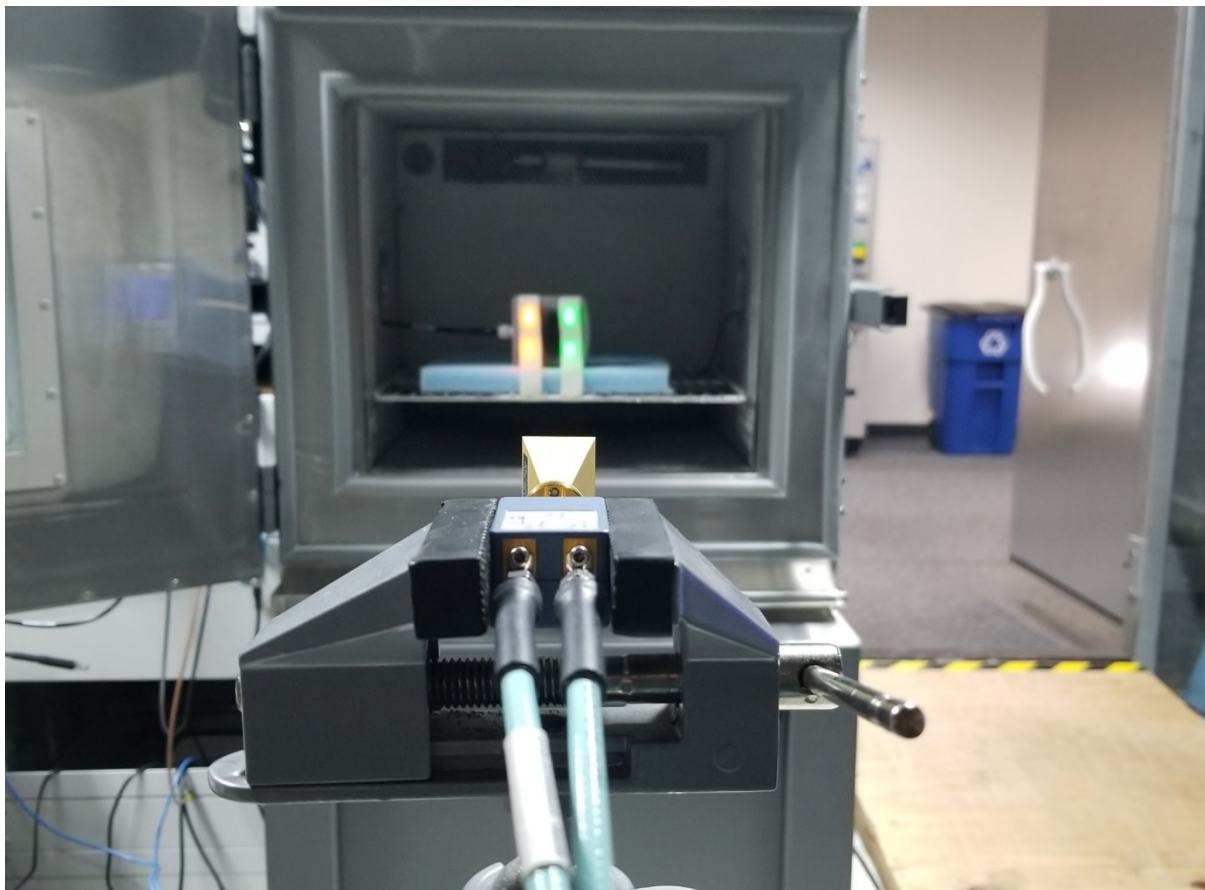


Photo 7: Test setup for in the climatic chamber

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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