

IE213F RF Radiated data

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Table of Contents

1. Frequency Band	3
1-1. Measurement Engineer	3
1-2. VSWR	3
1-3. Efficiency & Gain	4
1-4. 3D Radiated Pattern	4
2. TEST METHOD	5
2-1. Measurement information	5
2-2. Return Loss & VSWR Test	5

1. Frequency Band

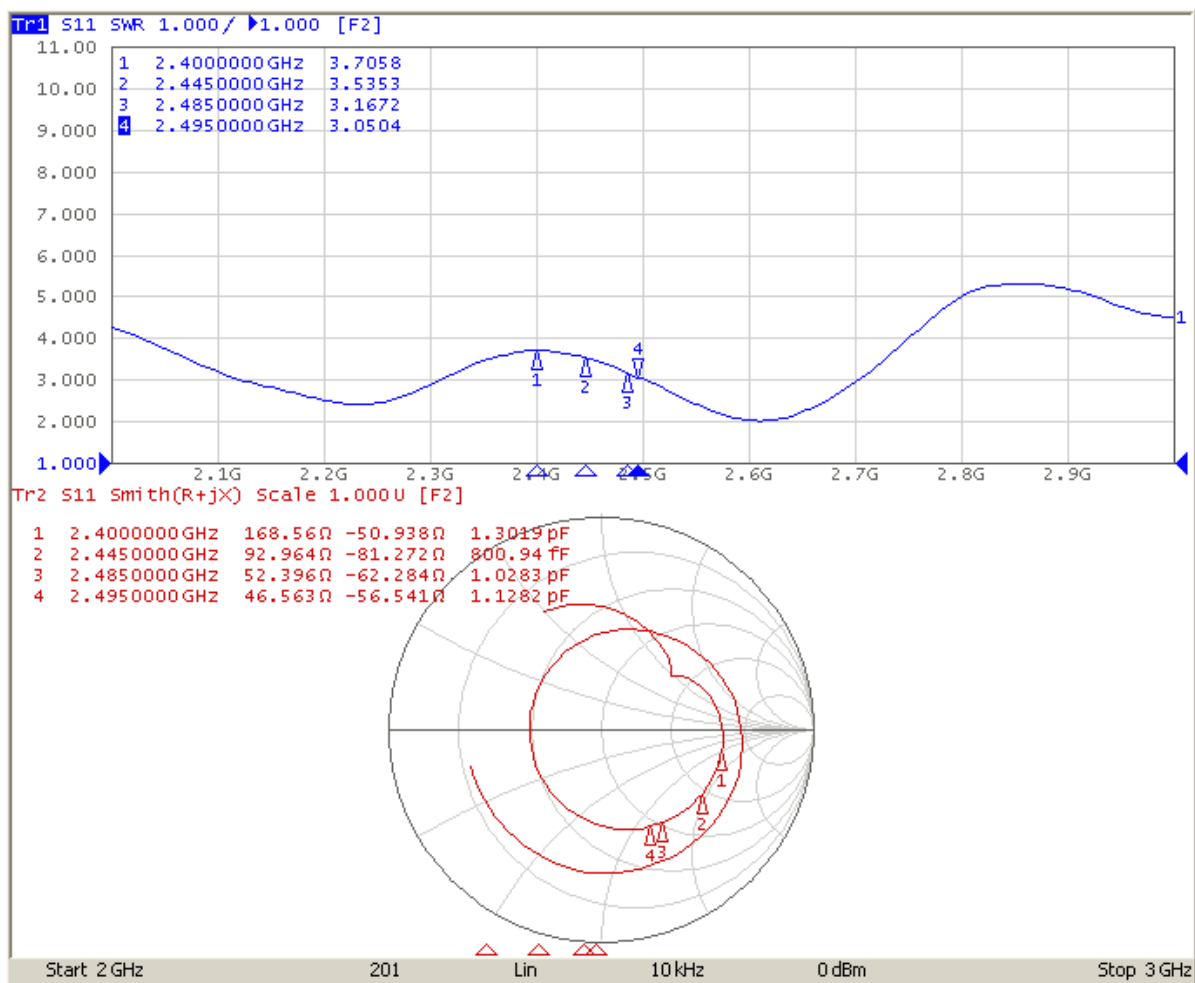
Mode	Frequency Band (MHz)
Zigbee	2,400 ~ 2,500

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1-1. Measurement Engineer

- Partron WT team, YS Lee Pro

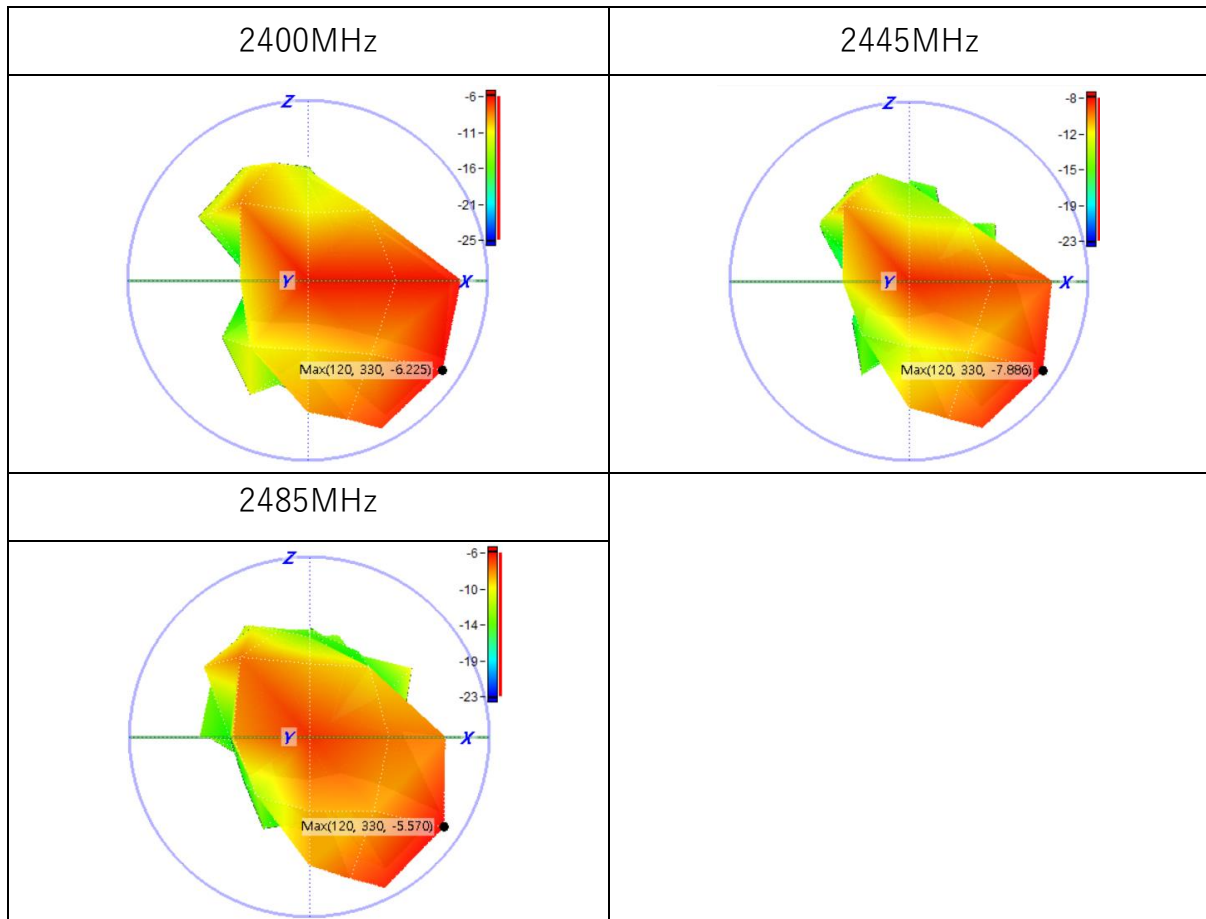
1-2. VSWR



1-3. Efficiency & Gain

Frequency	Max Gain			Min Gain			Average Gain	Efficiency
[MHz]	θ [Deg]	Φ [Deg]	Gain[dBi]	θ [Deg]	Φ [Deg]	Gain[dBi]	Gain[dBi]	[%]
2,400.00	120	330	-6.225	90	180	-25.336	-11.552	6.995
2,415.00	120	330	-4.988	90	180	-22.033	-10.497	8.919
2,430.00	120	330	-8.24	120	180	-23.693	-13.665	4.301
2,445.00	120	330	-7.886	120	180	-22.864	-13.258	4.723
2,460.00	120	330	-5.182	180	0	-21.011	-10.696	8.52
2,465.00	120	330	-5.167	180	0	-21.099	-10.451	9.013
2,480.00	120	330	-6.102	180	330	-23.187	-11.476	7.118
2,485.00	120	330	-5.57	180	330	-23.218	-10.925	8.081
2,490.00	120	330	-5.422	180	330	-23.718	-10.903	8.123
2,500.00	120	330	-5.664	180	330	-23.948	-10.895	8.138

1-4. 3D Radiated Pattern



2. TEST METHOD

2-1. Measurement information

Description	Manufacturer	Model
Network Analyzer	Anritsu	ME7848A

2-2. Return Loss & VSWR Test

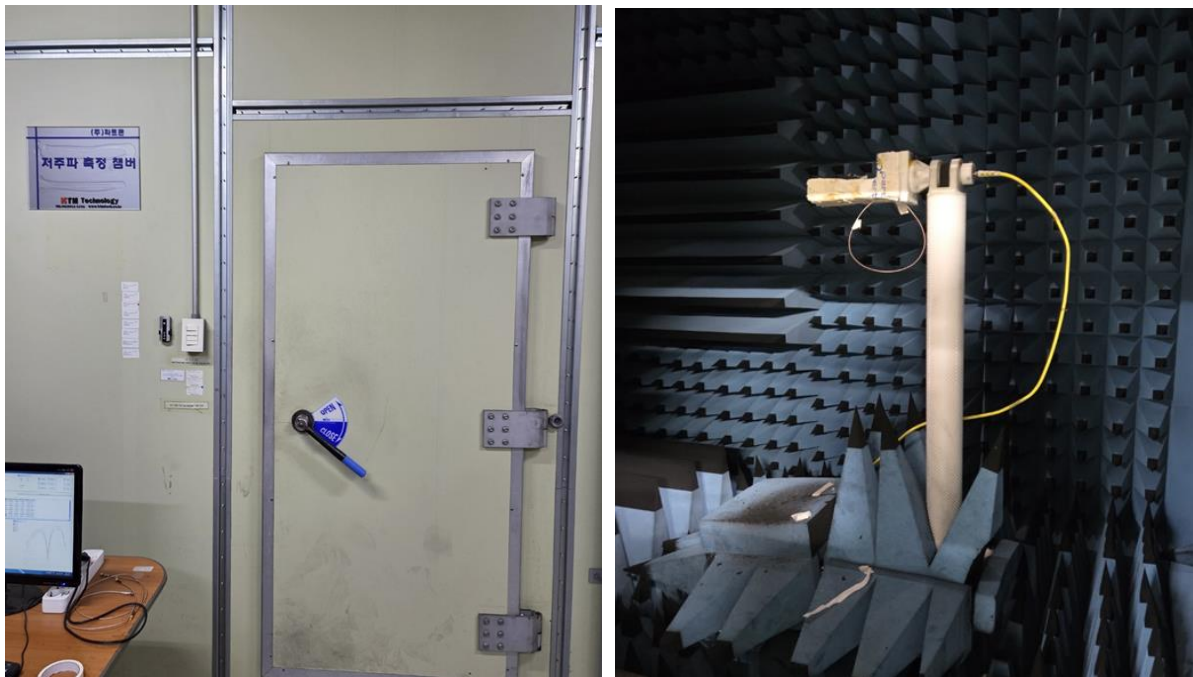


Figure 1: Testing with RF Chamber