





Test Report No.: AN2211WDG0179

ANTENNA TEST REPORT

Applicant	Shanghai Zhiwei robot Co., Ltd
Address	Room 603, puruan building, No.2 Boyun Road, Pudong New Area

Manufacturer or Supplier	Shanghai Zhiwei robot Co., Ltd
Address	Room 603, puruan building, No.2 Boyun Road, Pudong New Area
Product	Antenna
Brand Name	N/A
Model	DFR0706
Max. Peak Gain	-2.16 dBi
Date of tests	Nov. 22, 2022 & Apr. 11, 2023

Tested by Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Apr. 11, 2023

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Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

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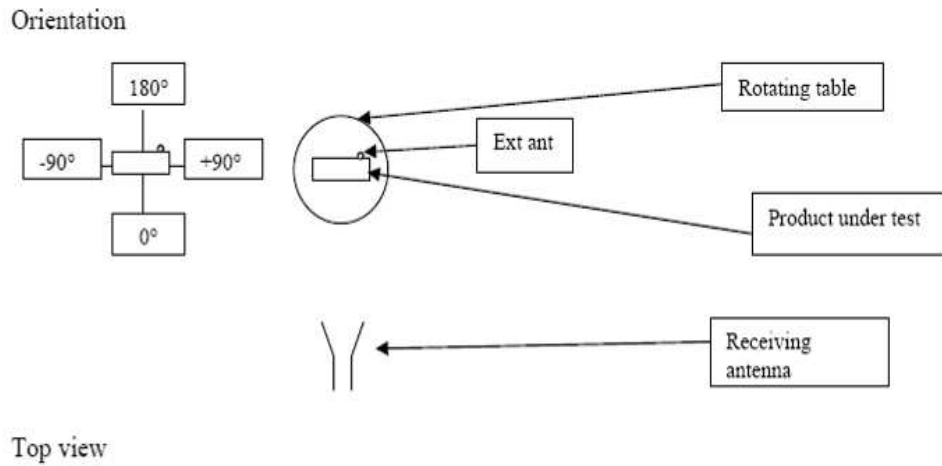
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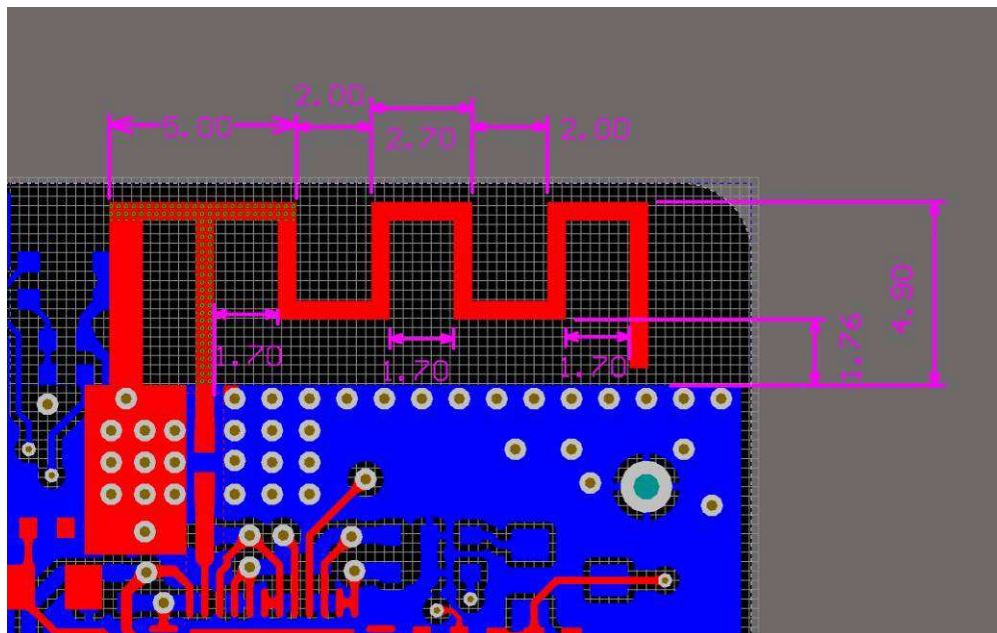
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1. MEASUREMENTS SETUP



2. SIZE OF THE ANTENNA



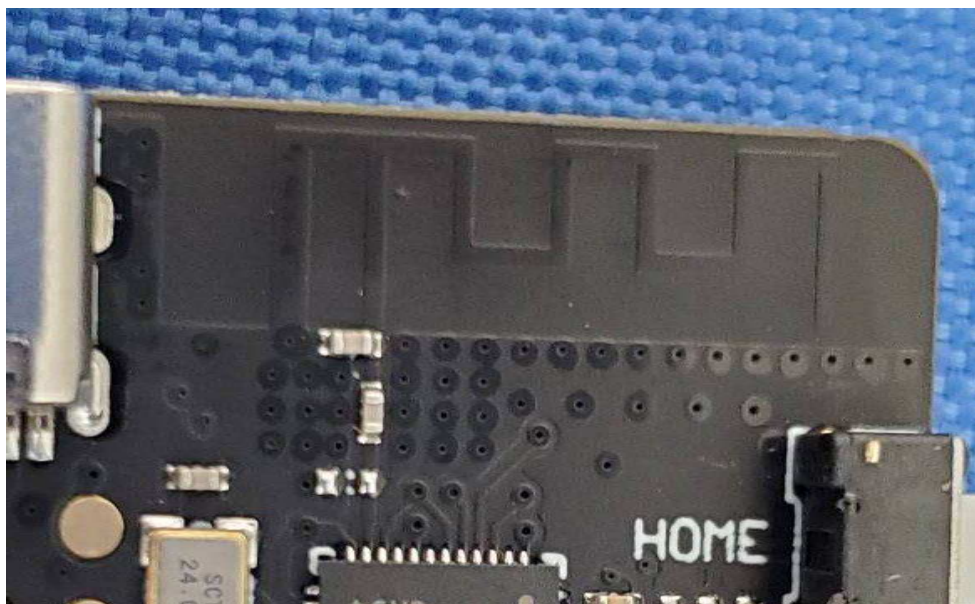
3. TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Signal Generator	Agilent	N5183A	MY50140980	Jul. 20, 23
Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Jan. 11, 24
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1247	Apr. 23, 23
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9120 B	00740	Jul. 20, 23
Turn Table	MF	MF-7802	MF780208191	N/A
Controller	MF	MF-7802	MF780208243	N/A
Test Software	BV ADT	BV ADT Antenna Pattern	V6.2	N/A

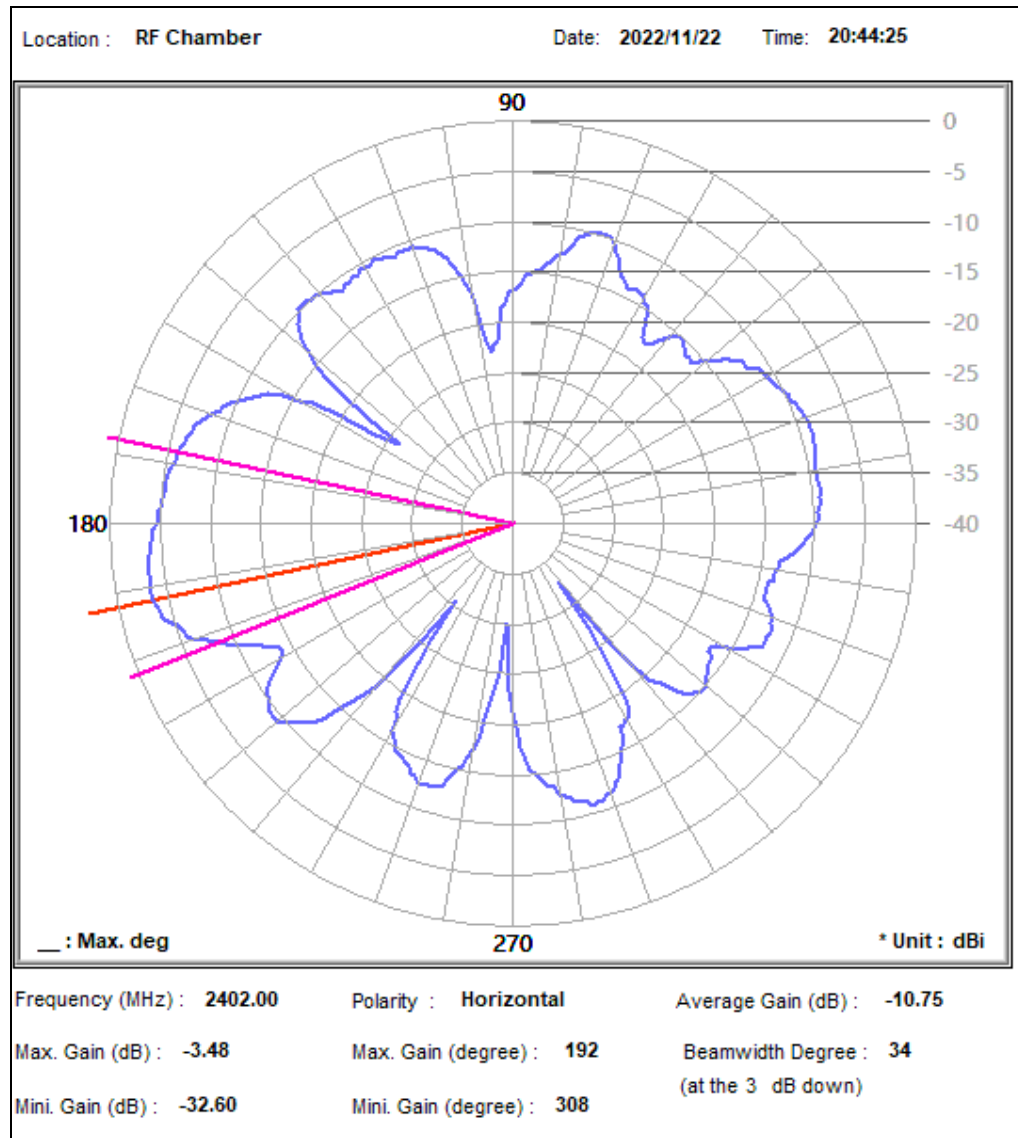
- NOTE:** 1. The test was performed in Fully Anechoic Room.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

4. TEST RESULTS

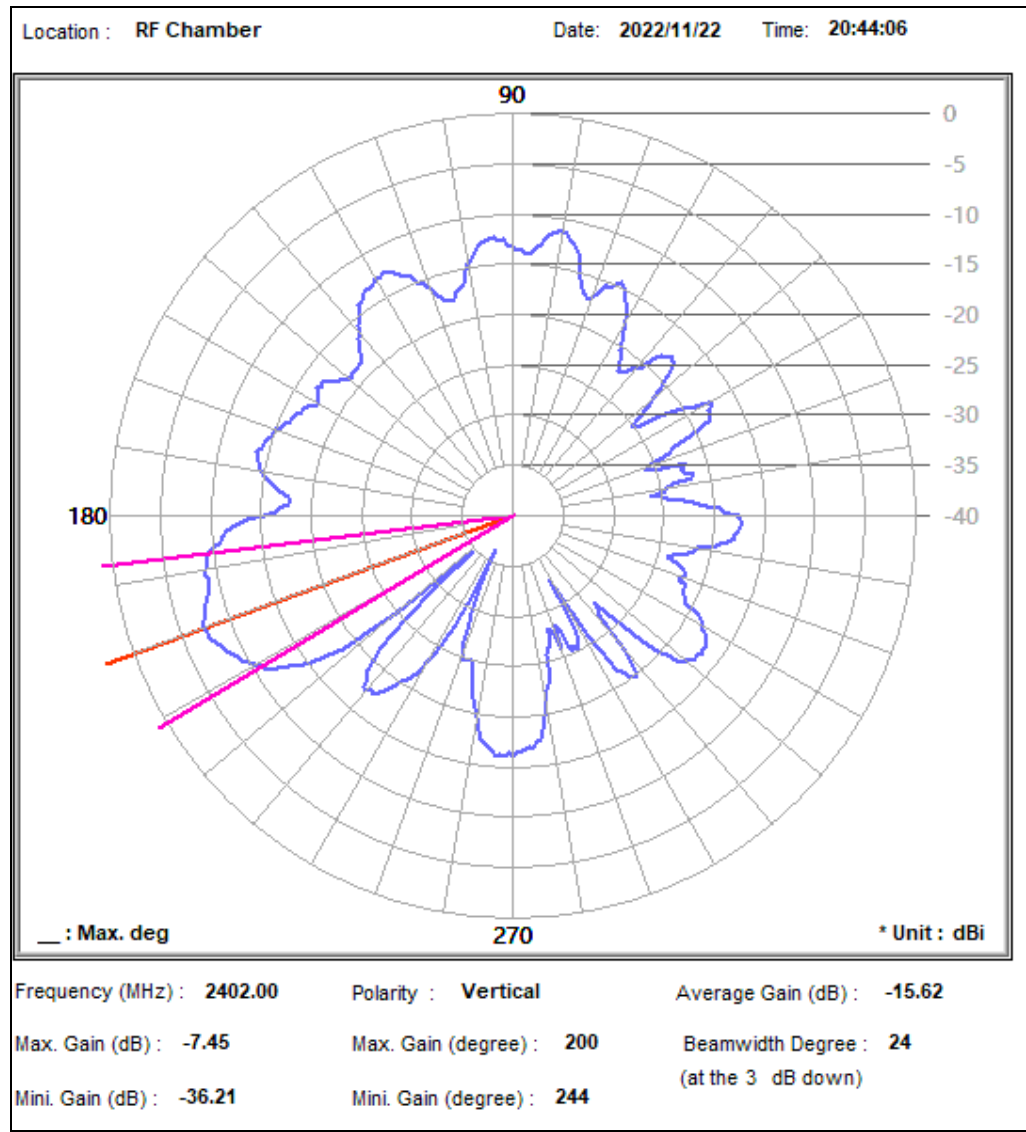
ANTENNA	FREQUENCY (MHz)	ANTENNA POLARITY	MAX. PEAK GAIN (dBi)
PCB	2402	Horizontal	-3.48
		Vertical	-7.45
	2440	Horizontal	-3.23
		Vertical	-7.70
	2480	Horizontal	-2.16
		Vertical	-8.47



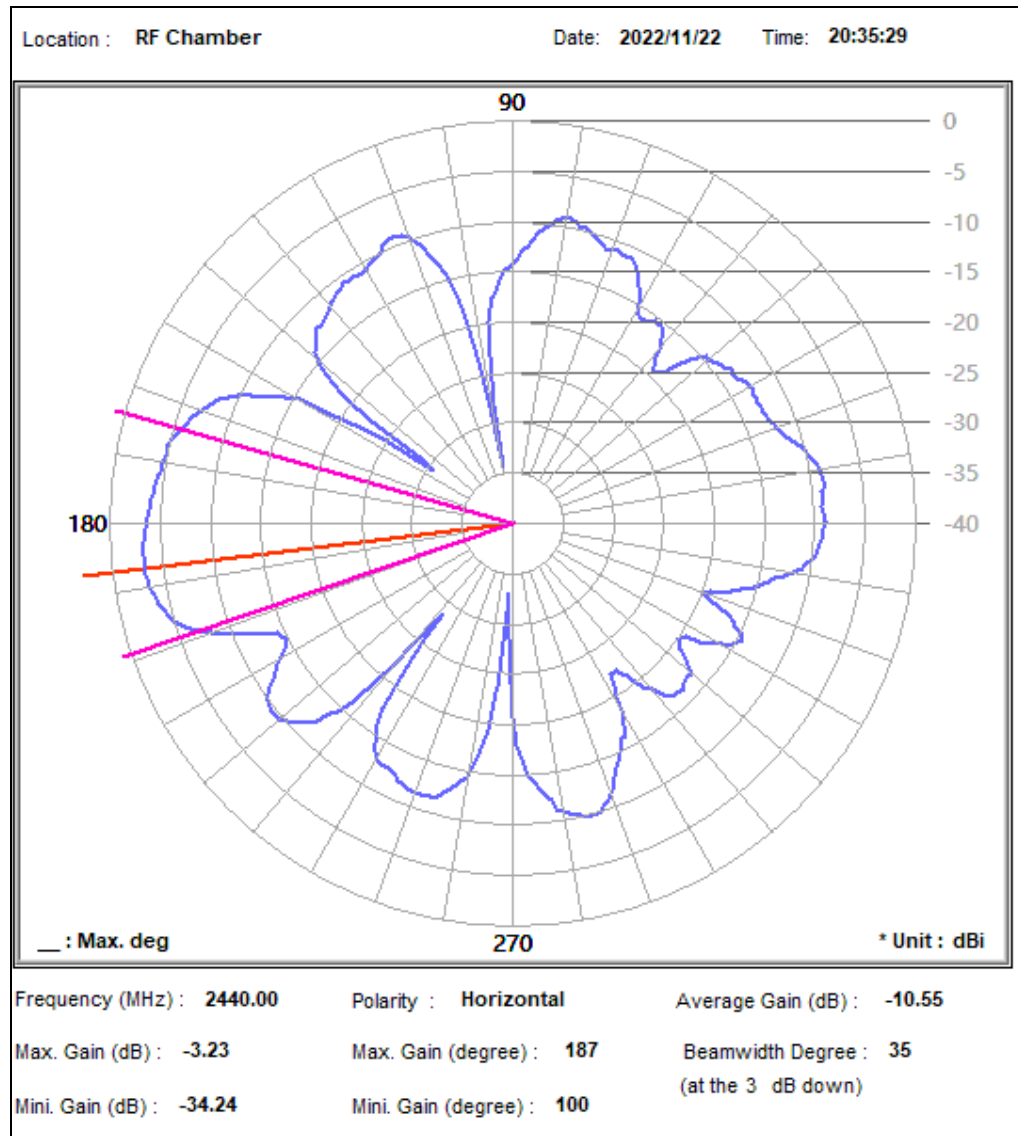
Frequency: 2402 MHz (Horizontal)



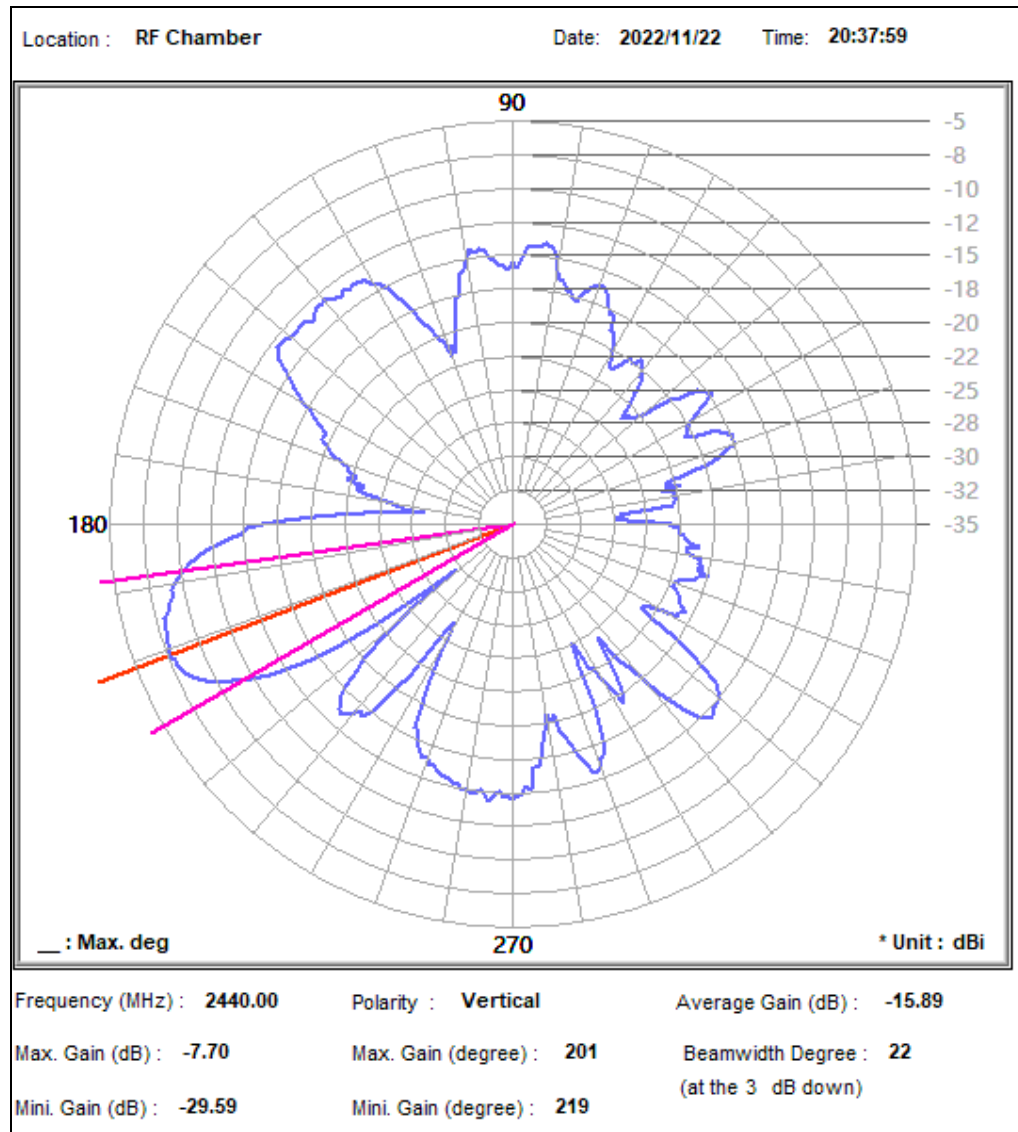
Frequency: 2402 MHz (Vertical)



Frequency: 2440 MHz (Horizontal)



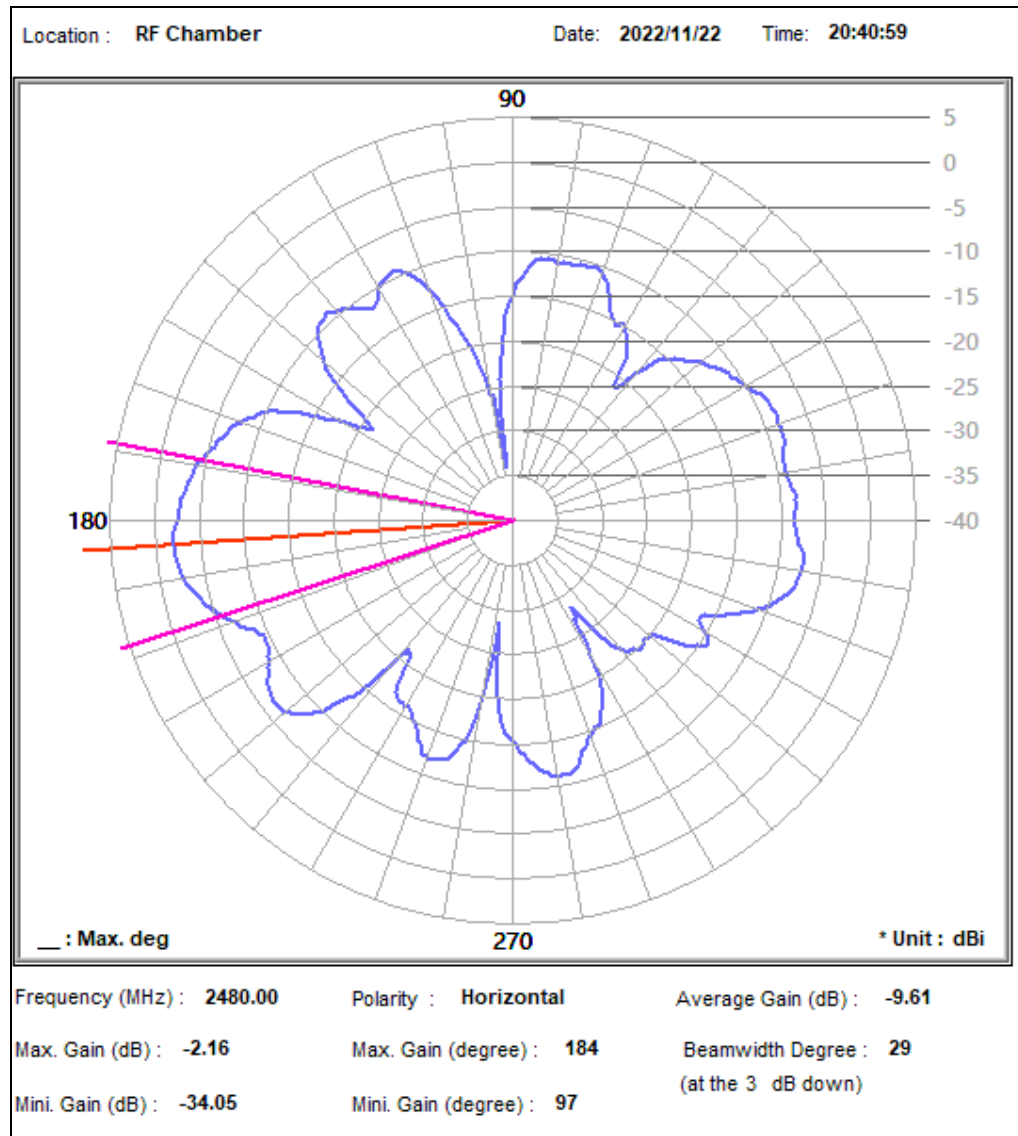
Frequency: 2440 MHz (Vertical)





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Frequency: 2480 MHz (Horizontal)

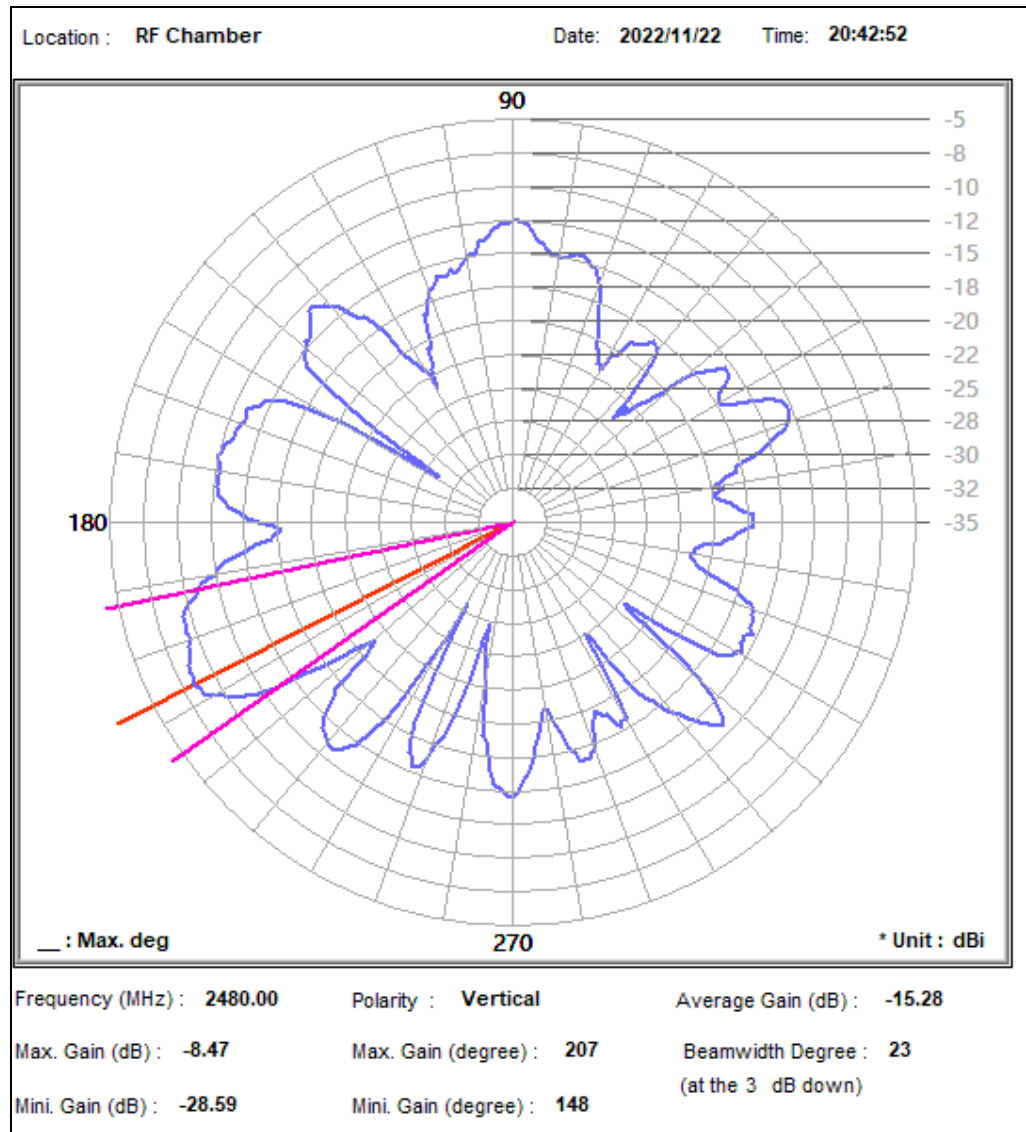


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Frequency: 2480 MHz (Vertical)

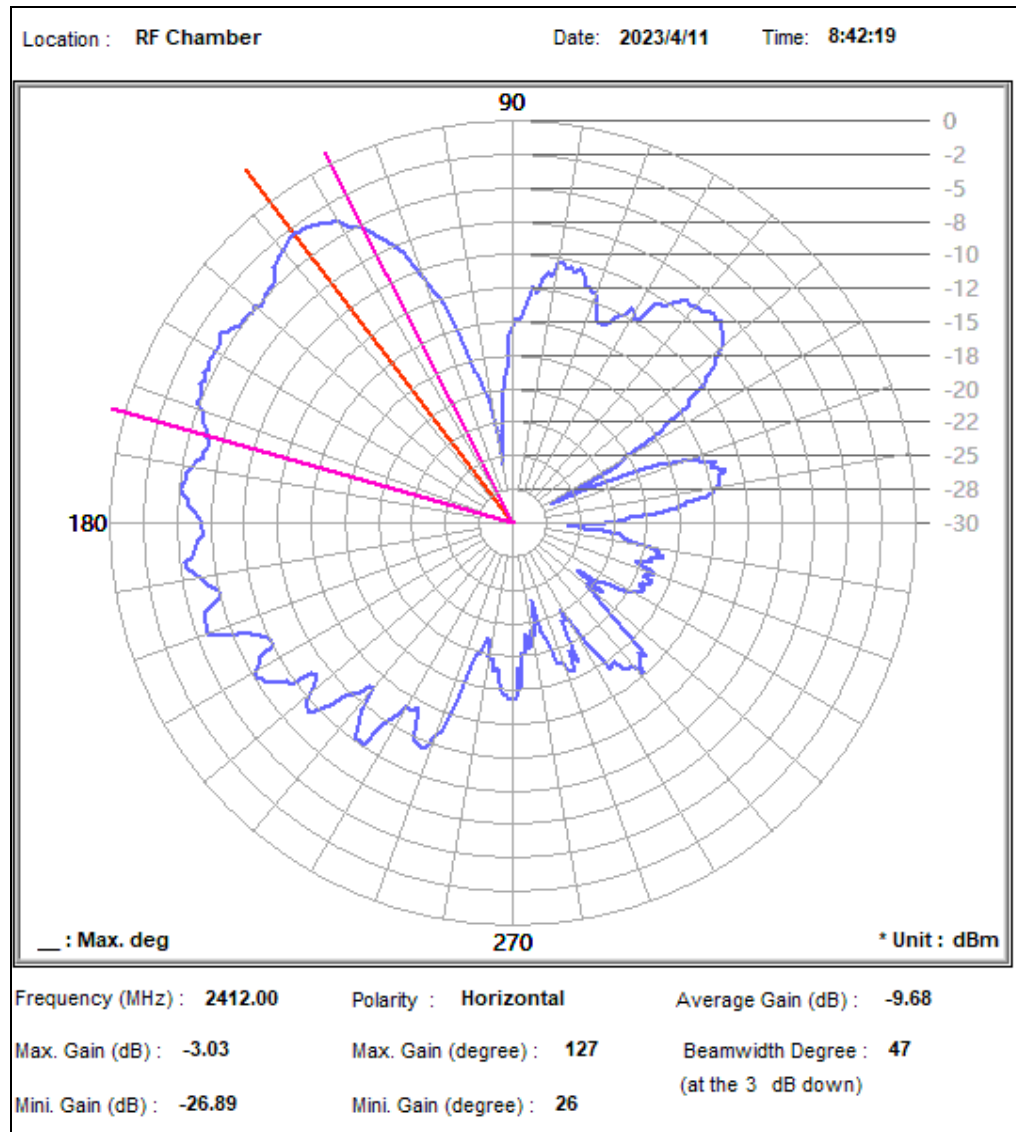




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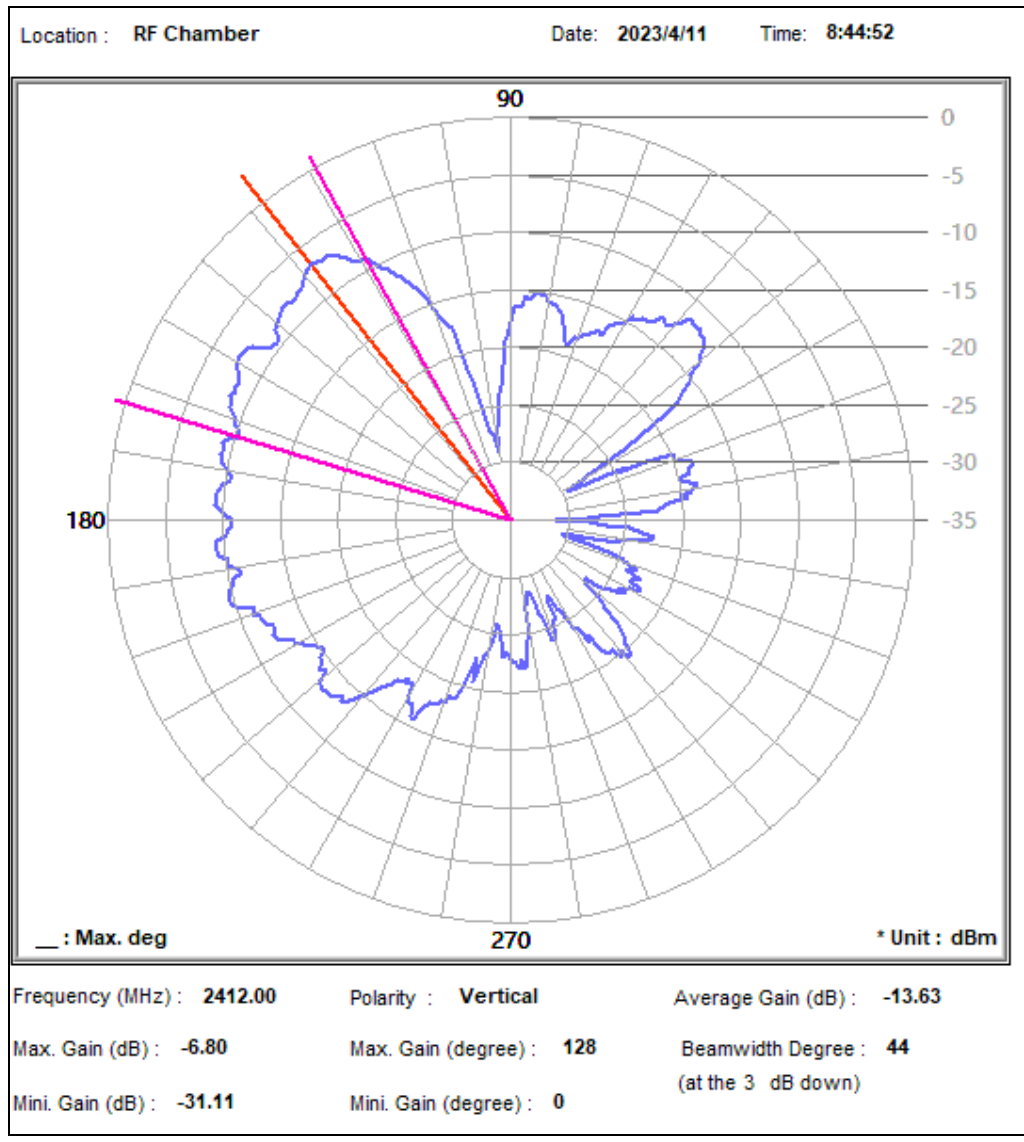
ANTENNA	FREQUENCY (MHz)	ANTENNA POLARITY	MAX. PEAK GAIN (dBi)
PCB	2412	Horizontal	-3.03
		Vertical	-6.80
	2437	Horizontal	-2.51
		Vertical	-6.76
	2462	Horizontal	-2.34
		Vertical	-7.17

Frequency: 2412 MHz (Horizontal)

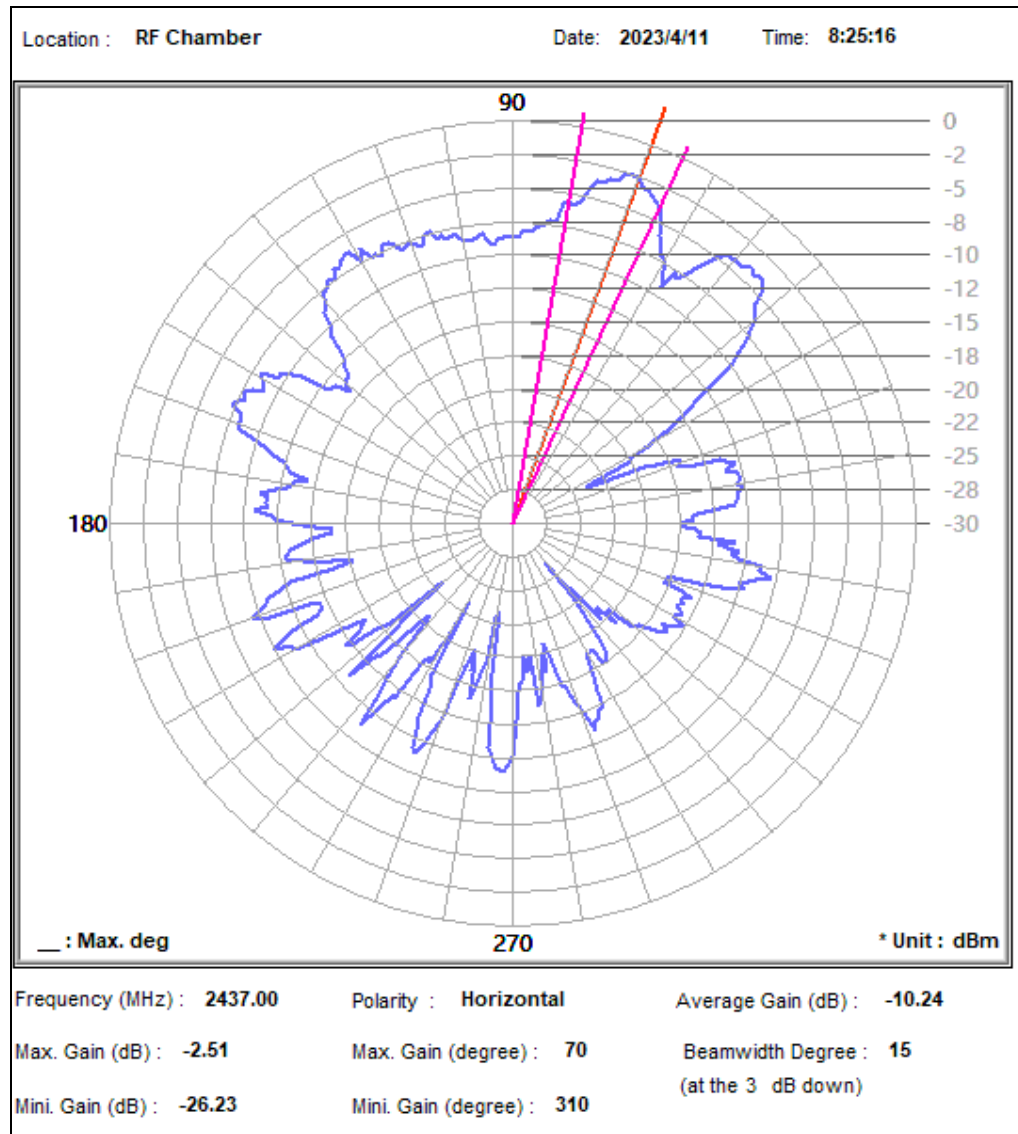




Frequency: 2412 MHz (Vertical)



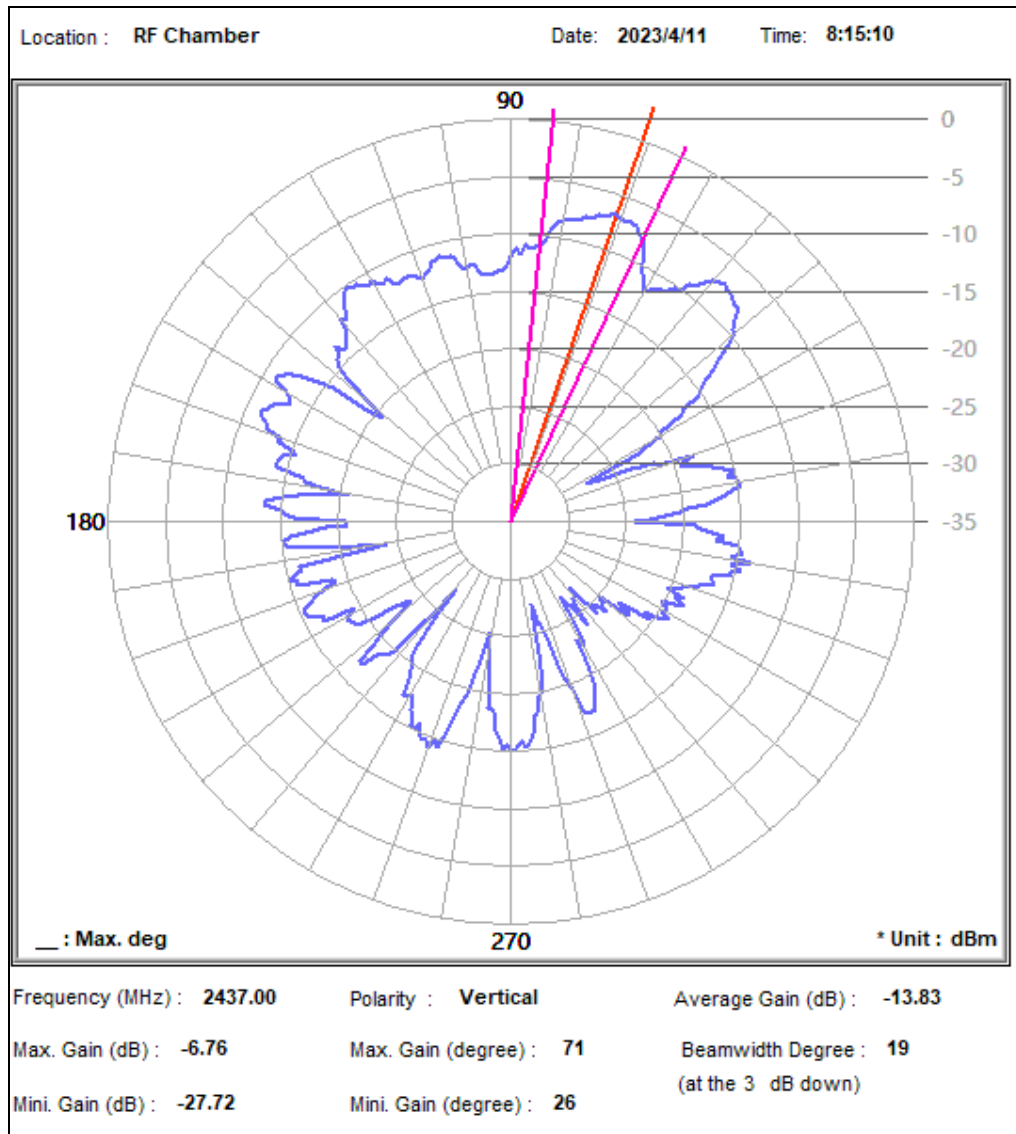
Frequency: 2437 MHz (Horizontal)





Test Report No.: AN2211WDG0179

Frequency: 2437 MHz (Vertical)

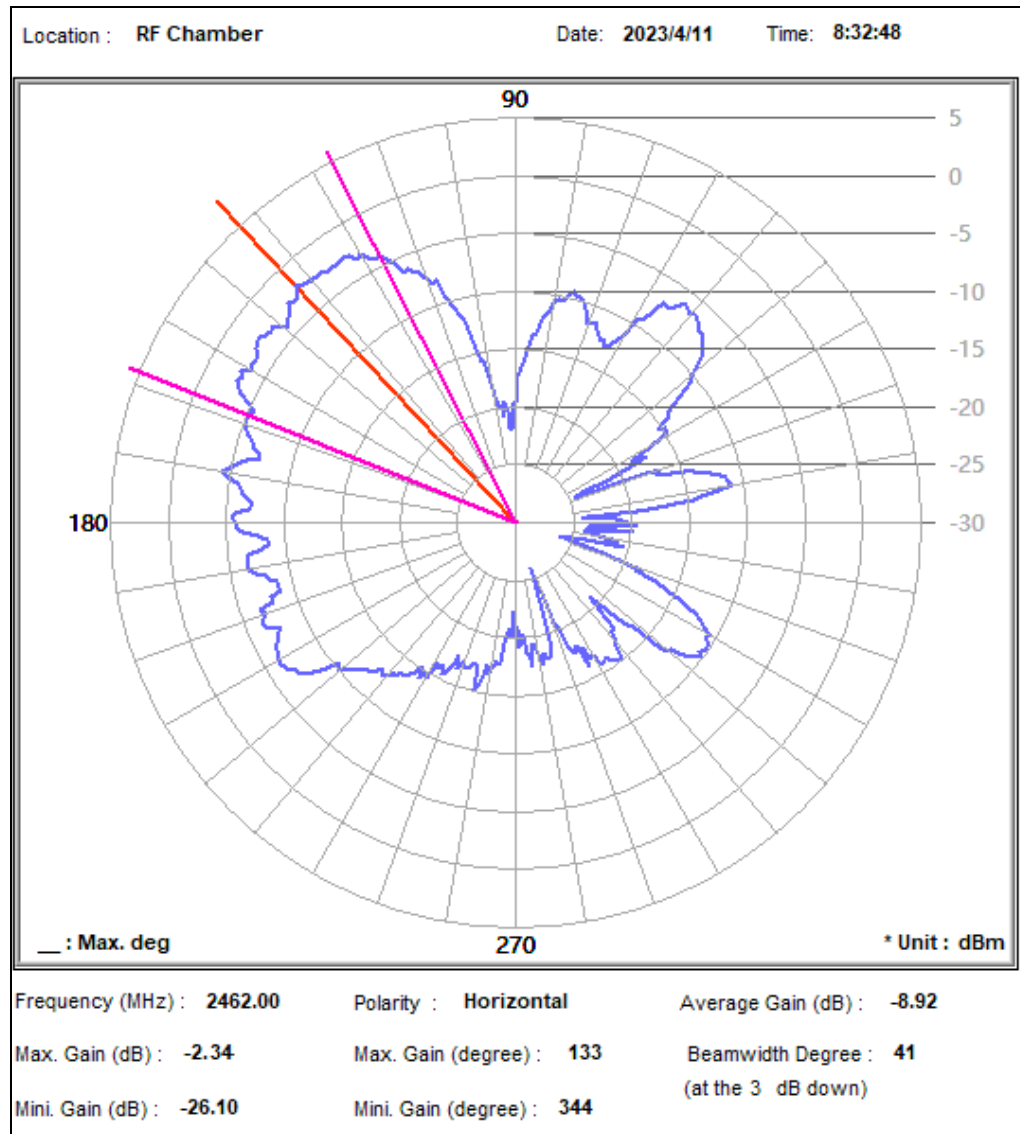


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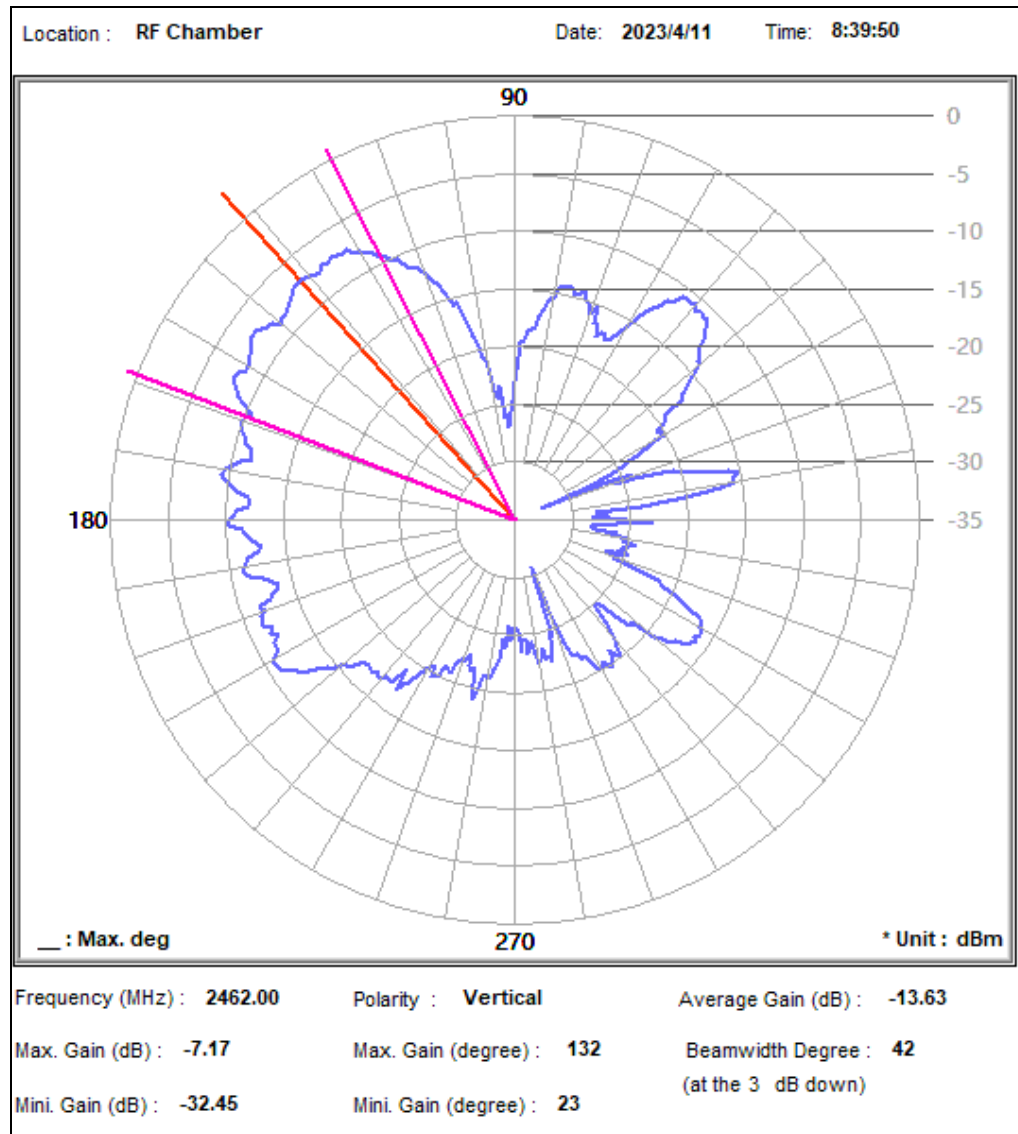
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Frequency: 2462 MHz (Horizontal)



Frequency: 2462 MHz (Vertical)



5. PHOTOGRAPHS OF THE TEST CONFIGURATION

