Gemtek

WSMN-165 Antenna Test Report

2025/03/27

Antenna Overview

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Antenna Test

Antenna 1 & 2

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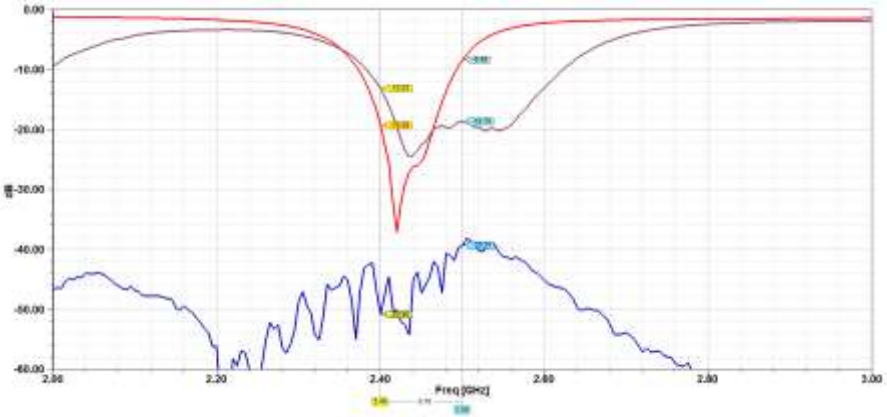
Antenna Return Loss & Isolation



Antenna 1
Antenna 2
Isolation Antenna 1 & 2

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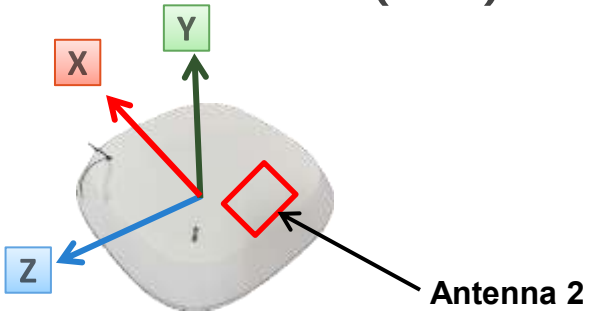
Antenna 2 Gain Theta (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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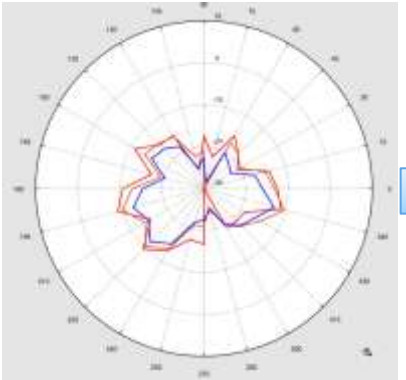

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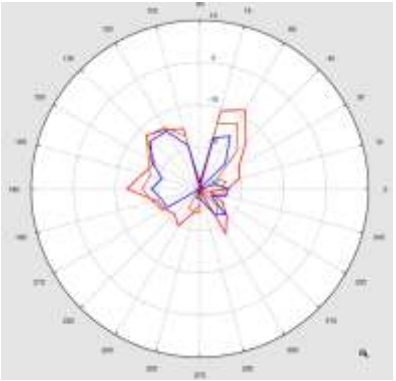

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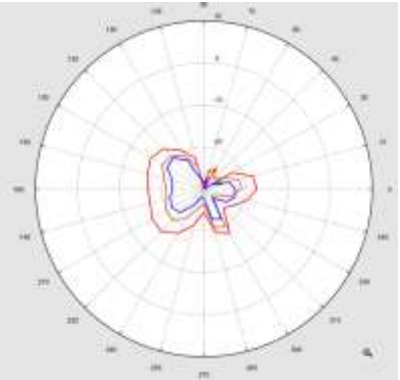

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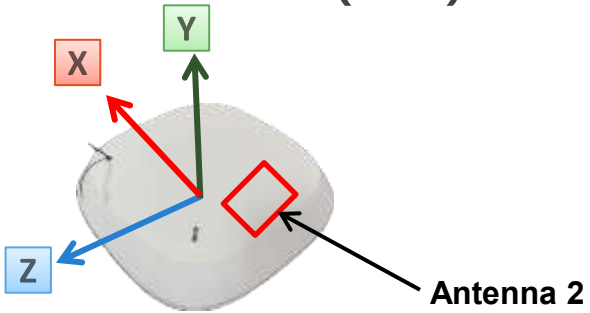
Antenna 2 Gain Phi (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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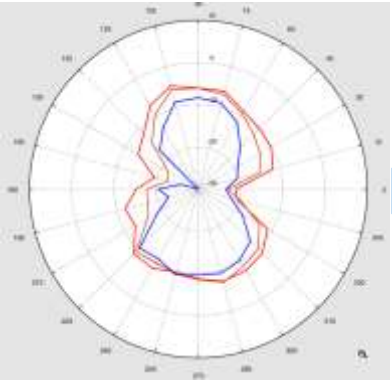

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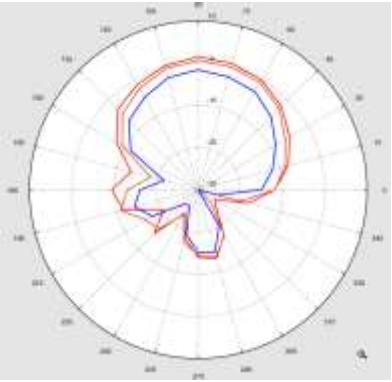

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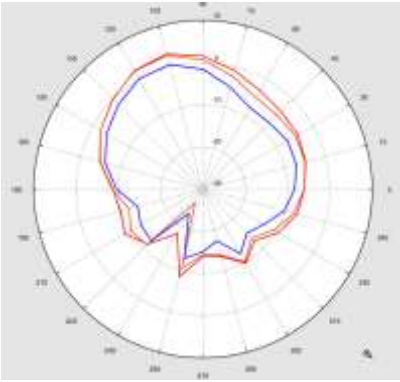

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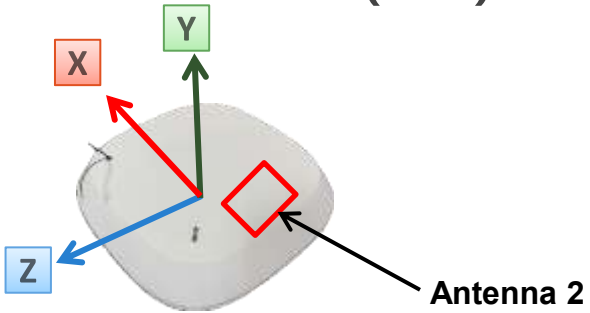
Antenna 2 Gain Total (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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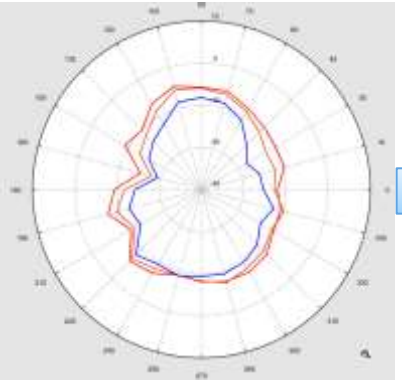

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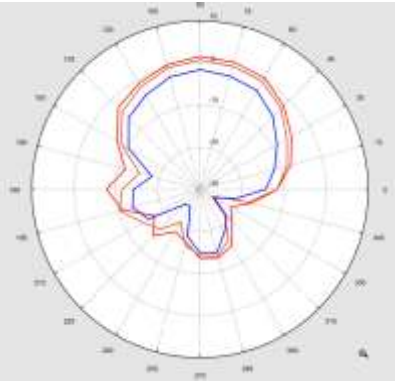

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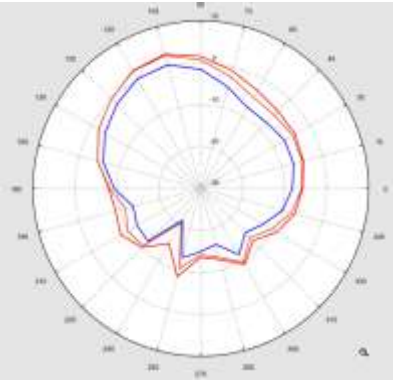

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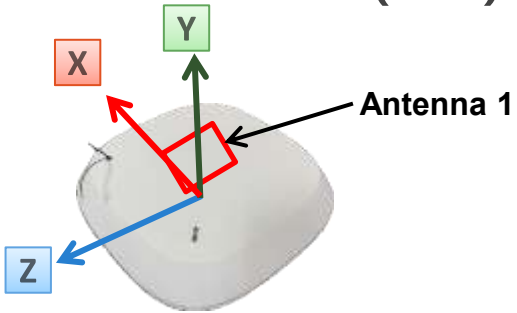
Antenna 1 Gain Theta (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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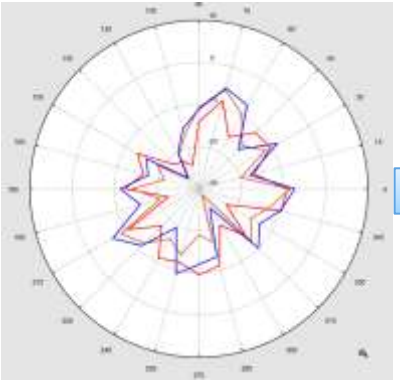

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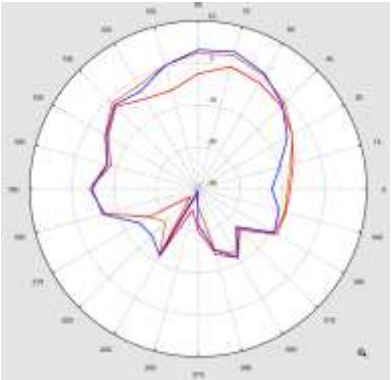

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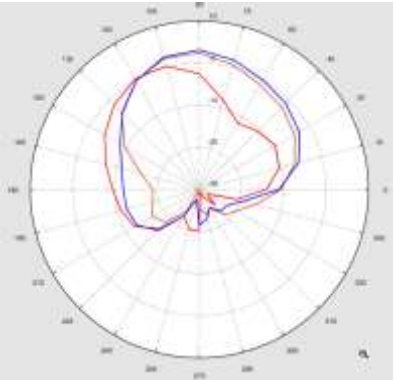

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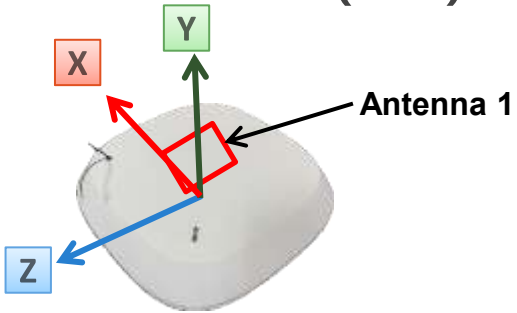
Antenna 1 Gain Phi (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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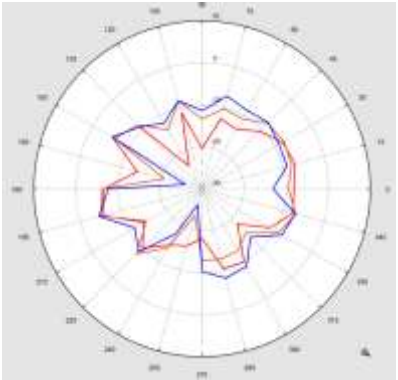

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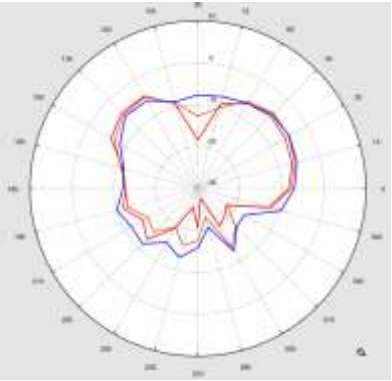

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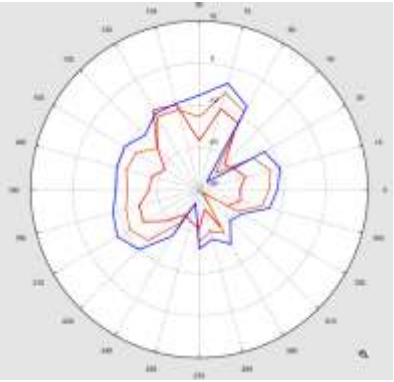

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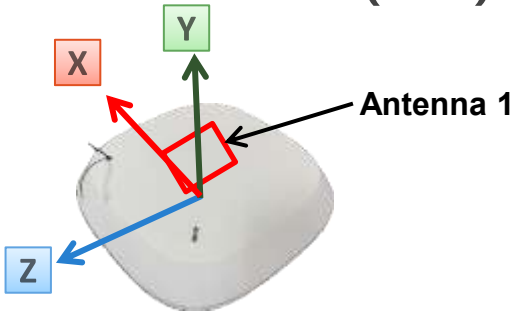
Antenna 1 Gain Total (dBi) Pattern

2400 MHz

2450 MHz

2480 MHz



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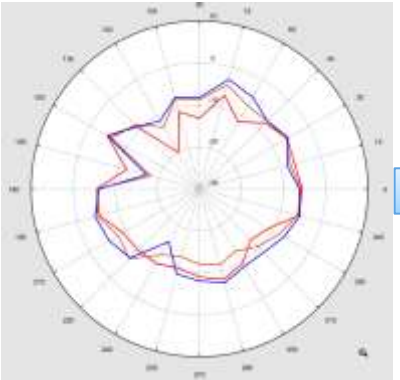

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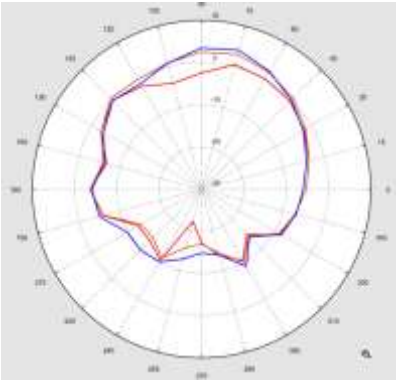

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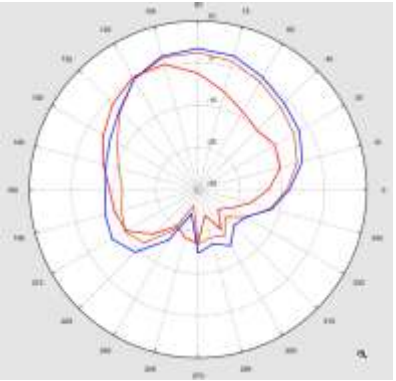

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Antenna Efficiency & 3D Peak Gain

Antenna Efficiency (%)			
Frequency (MHz)	2400	2450	2480
Antenna 1	26.79	35.08	39.08
Antenna 2	32.43	26.61	15.96

Antenna Peak Gain (dBi)			
Frequency (MHz)	2400	2450	2480
Antenna 1	2.07	3.0	2.7
Antenna 2	3.0	2.8	0.57

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