

PSA

PASSIVE SYSTEM ALLIANCE
WALSin TECHNOLOGY CORPORATION

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四川愛聯

Presented by

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Walsin Technology Corporation

2021/03/26

OUTLINE

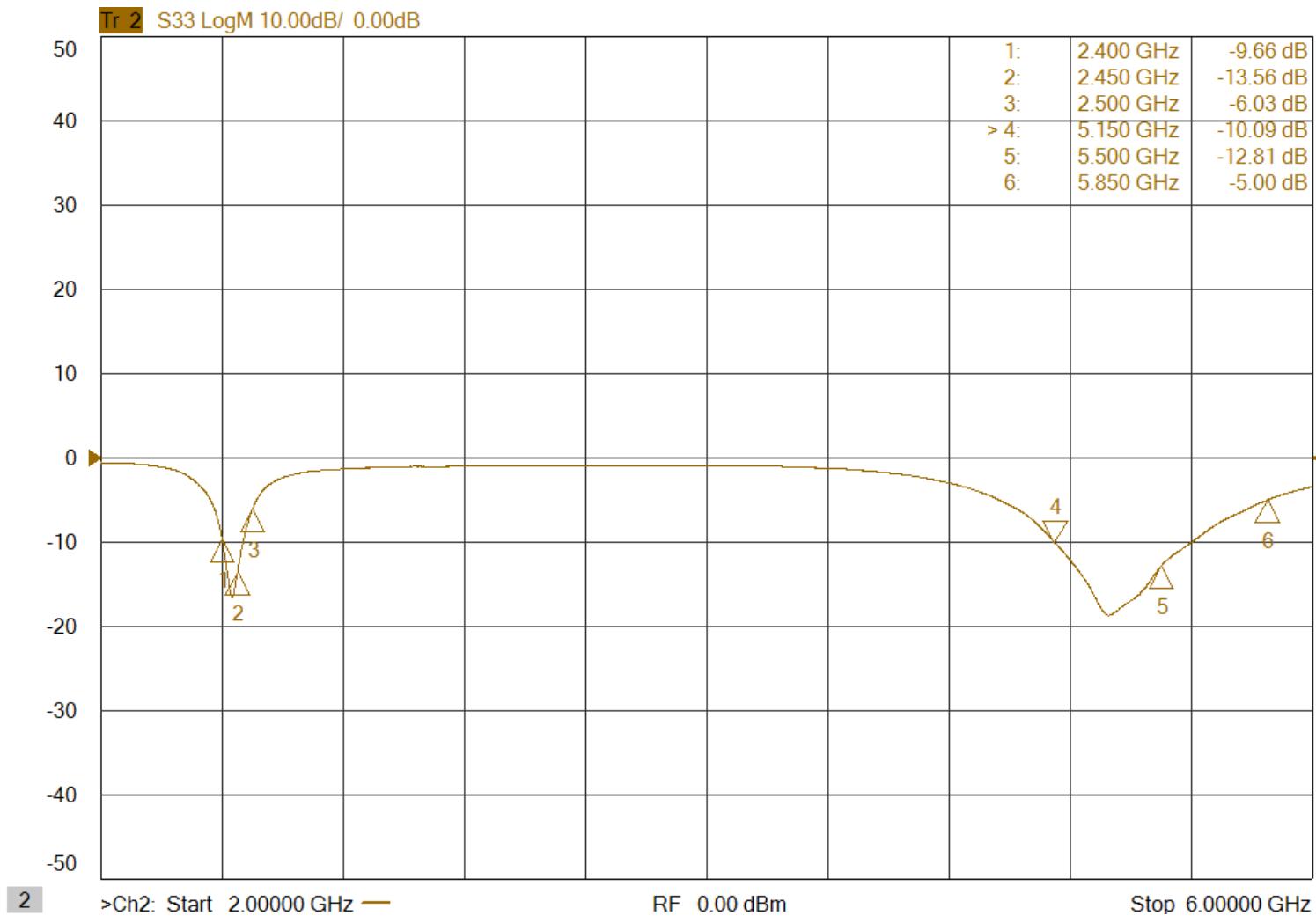
1. Antenna Characteristics

- 1.1 Return Loss & Isolation
- 1.2 Antenna Efficiency & Peak Gain
- 1.3 3D Pattern & 2D Radiation Patterns
- 1.4 Summary Table

1. Antenna Characteristics

WiFi_ANT 1

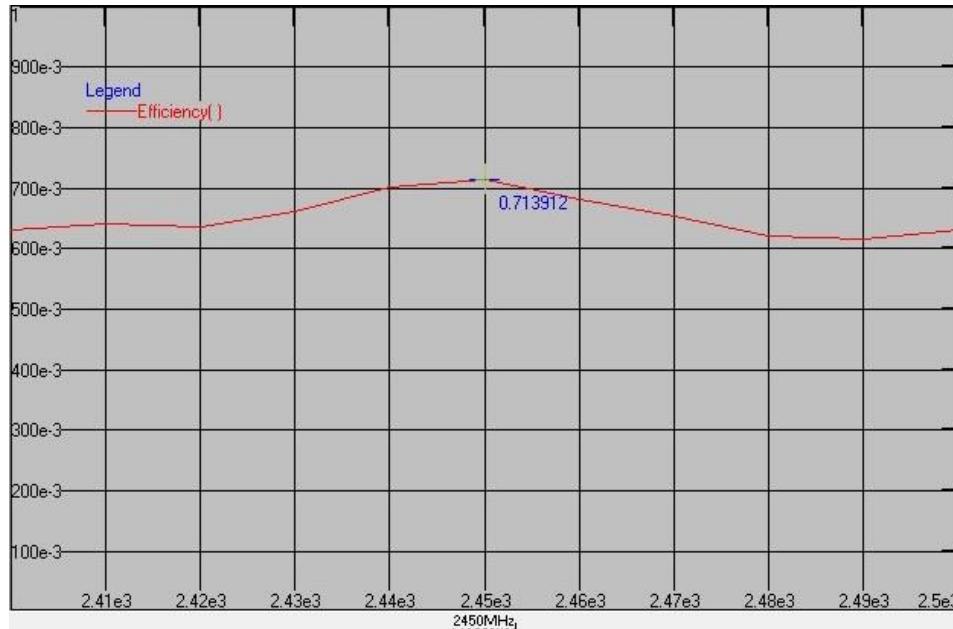
1.1 Return Loss



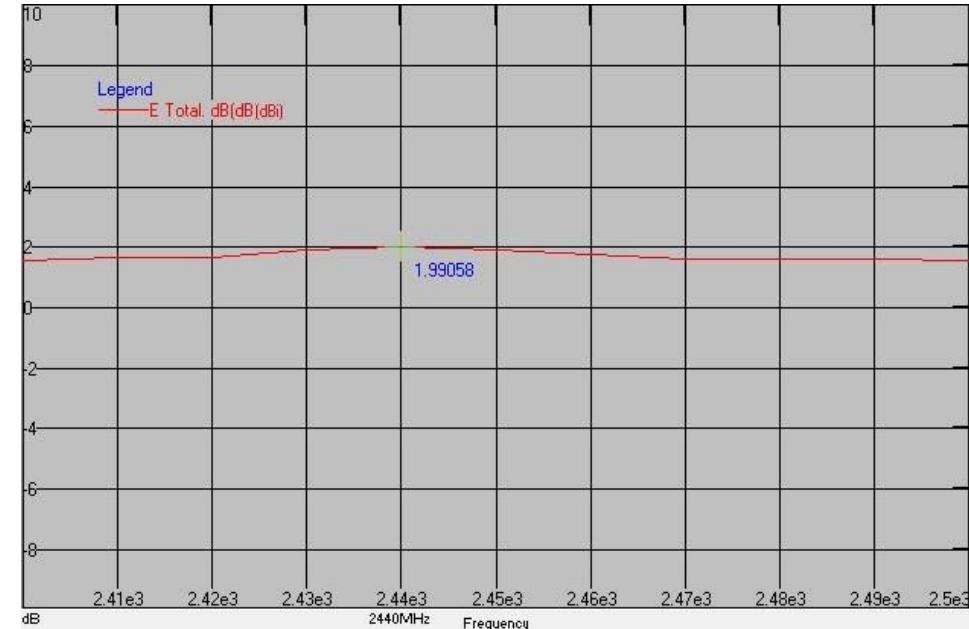
1. Antenna Characteristics

WiFi_ANT 1 (2G)

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2450 MHz 71.39%

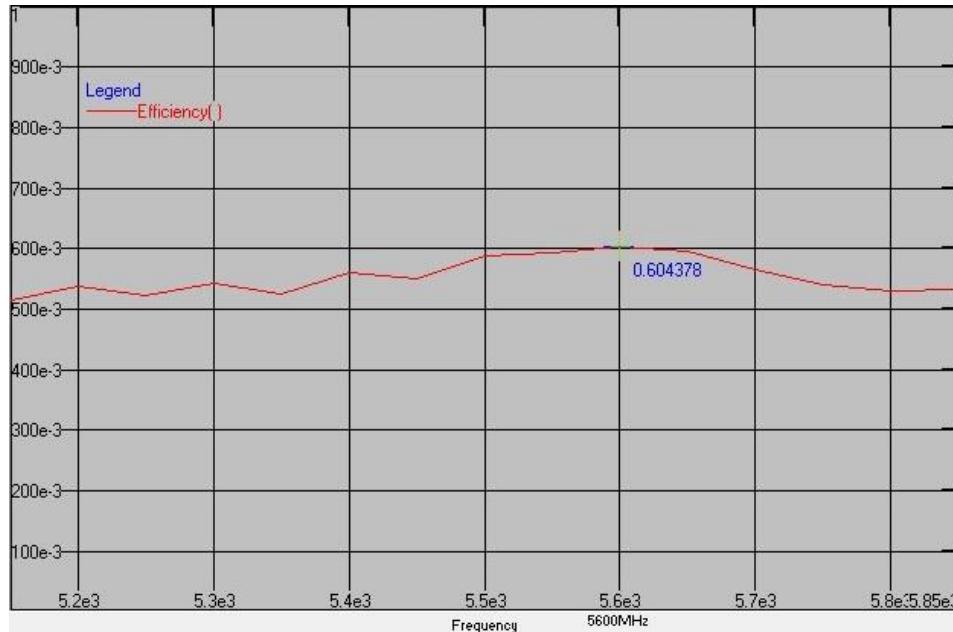


Maximum Peak Gain at 2440 MHz : 1.99 dBi

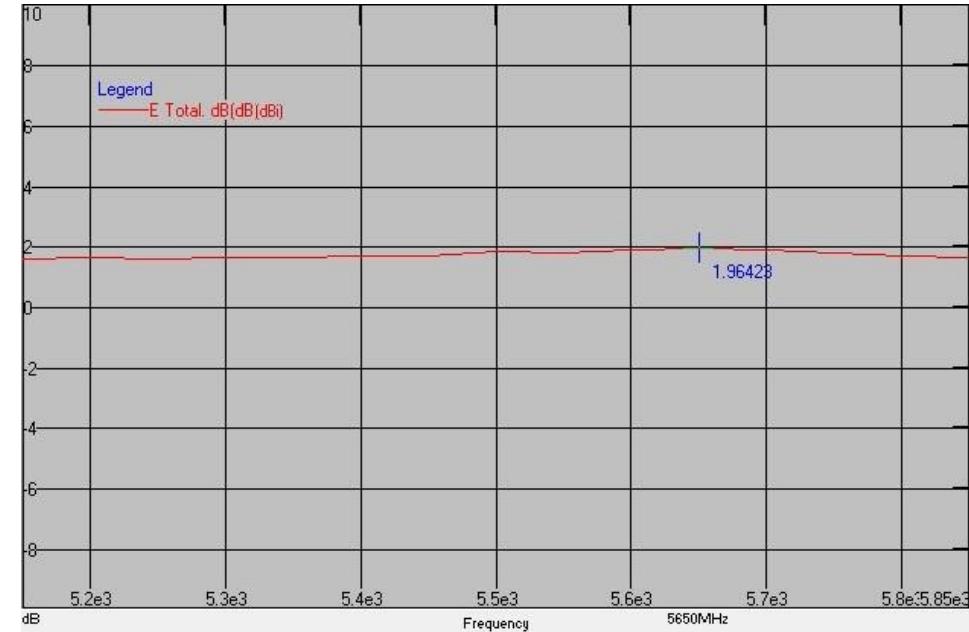
1. Antenna Characteristics

WiFi_ANT 1 (5G)

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 5600 MHz : 60.44 %

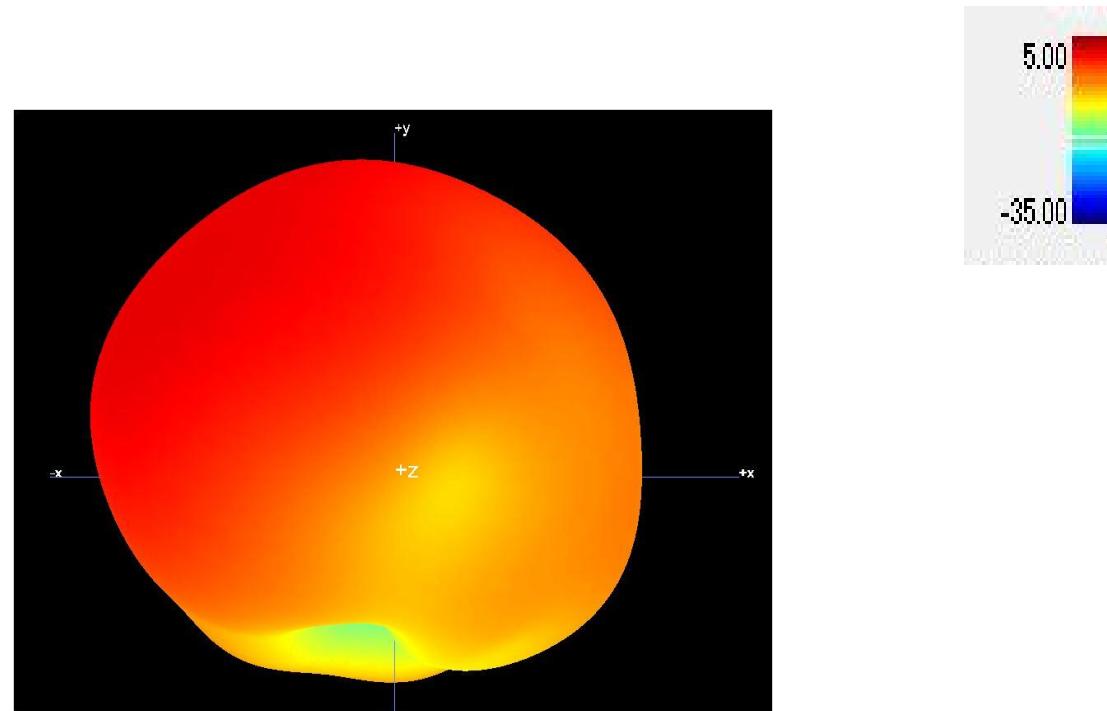


Maximum Peak Gain at 5650 MHz : 1.96 dBi

1. Antenna Characteristics

1.3 3D Patterns

WiFi_ANT 1 (2G)

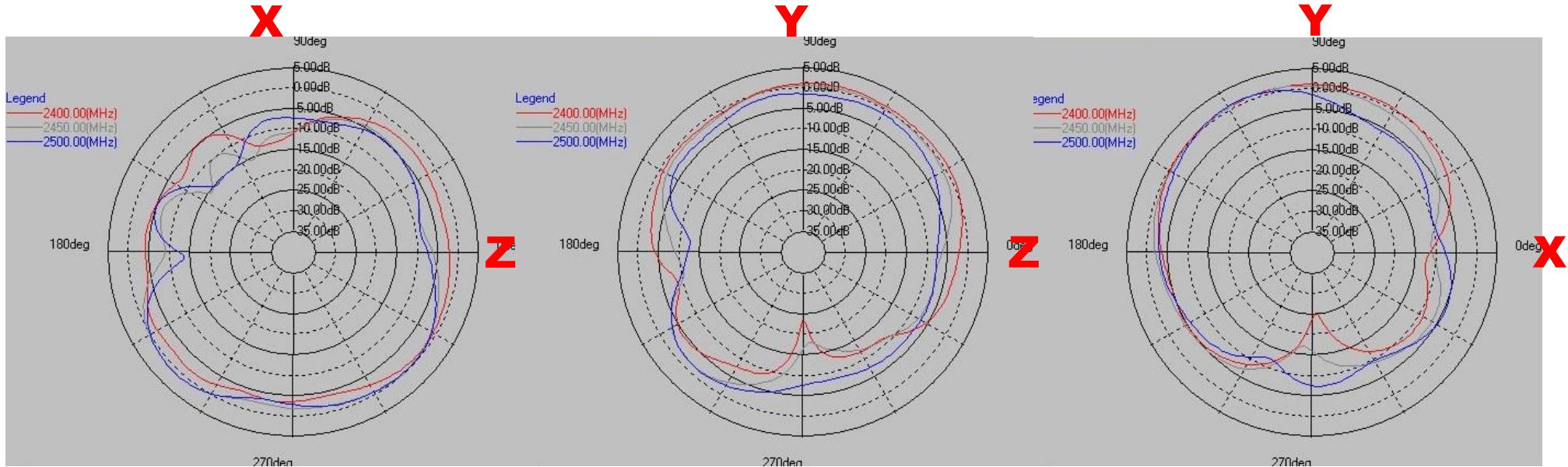


2450MHz

1. Antenna Characteristics

WiFi_ANT 1 (2G)

1.3 2D Radiation Patterns

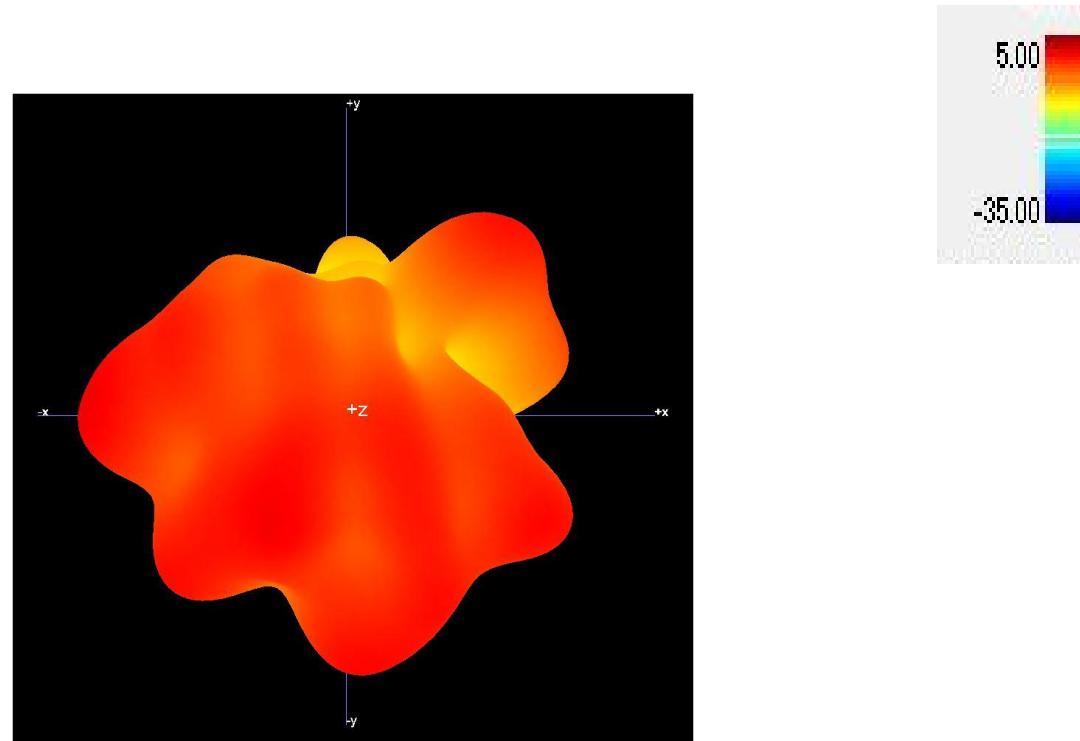


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-0.70	-3.45	0.95	-2.40	0.79	-2.98
2450	1.02	-3.50	0.45	-3.18	0.83	-3.20
2500	1.09	-3.70	-1.32	-4.20	0.85	-4.18

1. Antenna Characteristics

1.3 3D Patterns

WiFi_ANT 1 (5G)

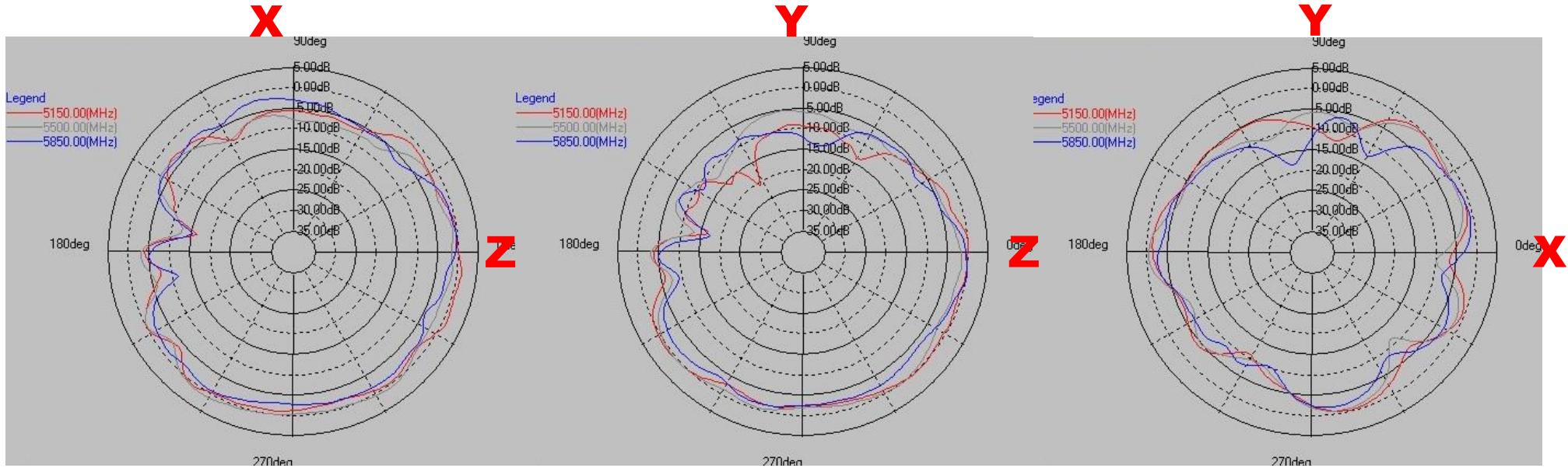


5500MHz

1. Antenna Characteristics

WiFi_ANT 1 (5G)

1.3 2D Radiation Patterns



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
5150	1.18	-2.34	0.66	-3.18	-0.48	-3.72
5500	1.04	-2.48	0.42	-3.22	-0.50	-4.26
5850	-0.20	-3.12	0.21	-4.35	-0.72	-5.24

Thank you

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