

PASSIVE SYSTEM ALLIANCE
WALSIN TECHNOLOGY CORPORATION

Coral_ABR-D01-XX

Presented by

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Version	Date	Description	Author
V01	2022/07/13	New Release	Jack

OUTLINE

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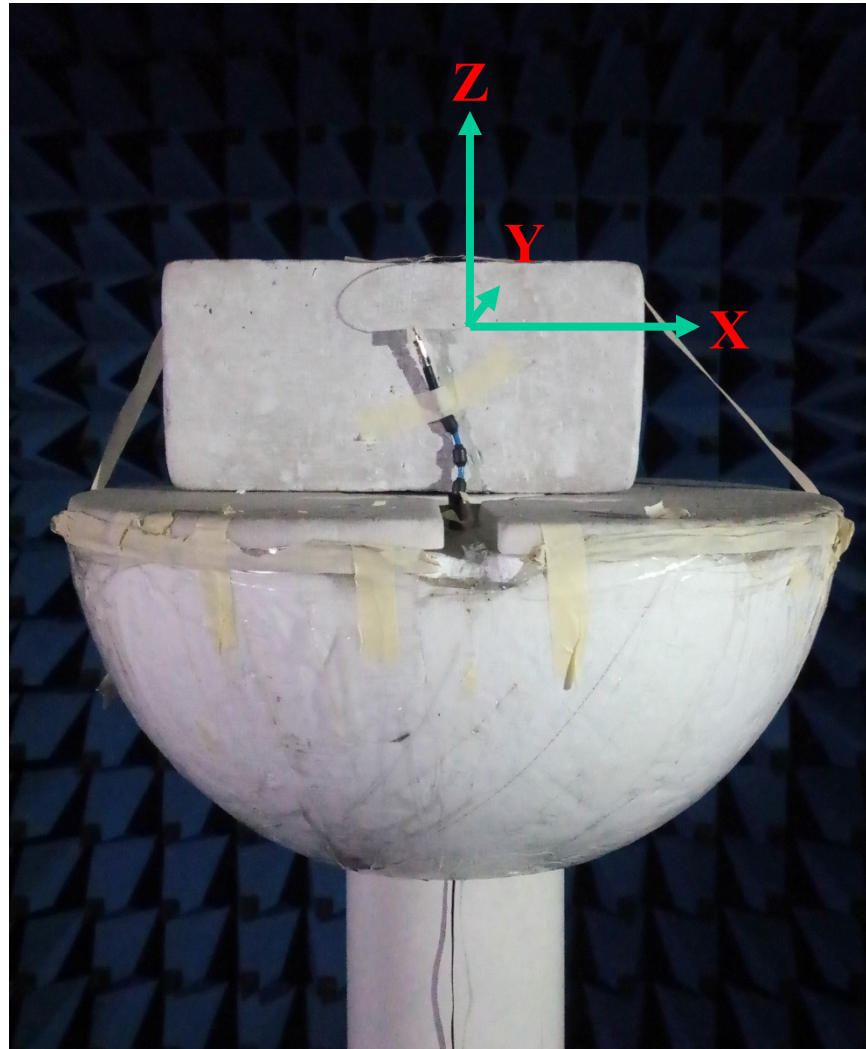
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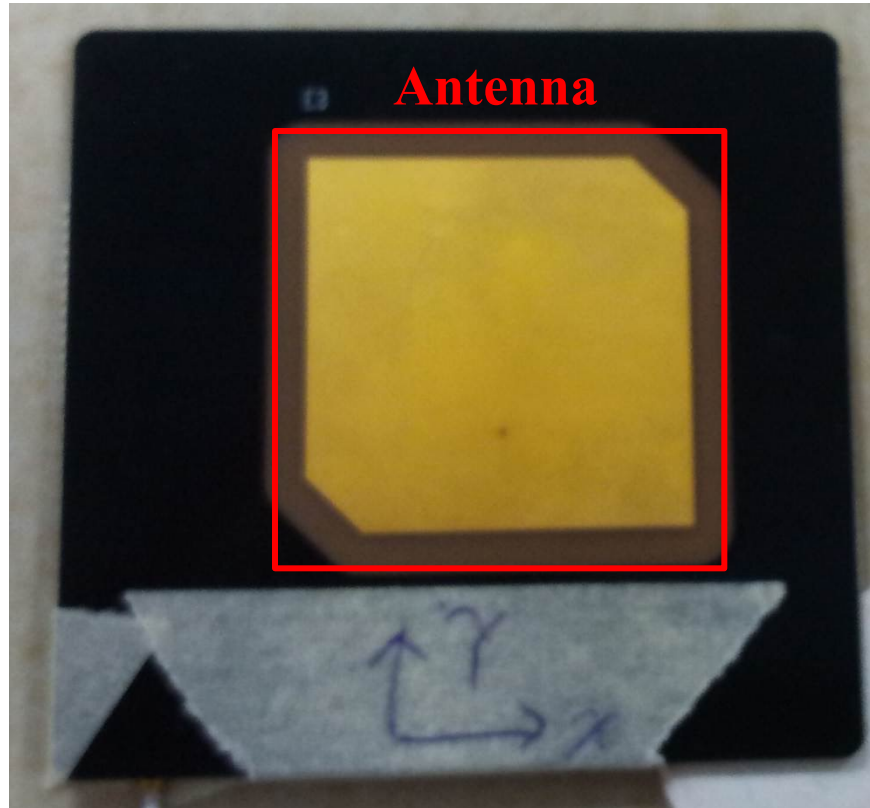
1. Measurement Information

1.1 Experimental Setup



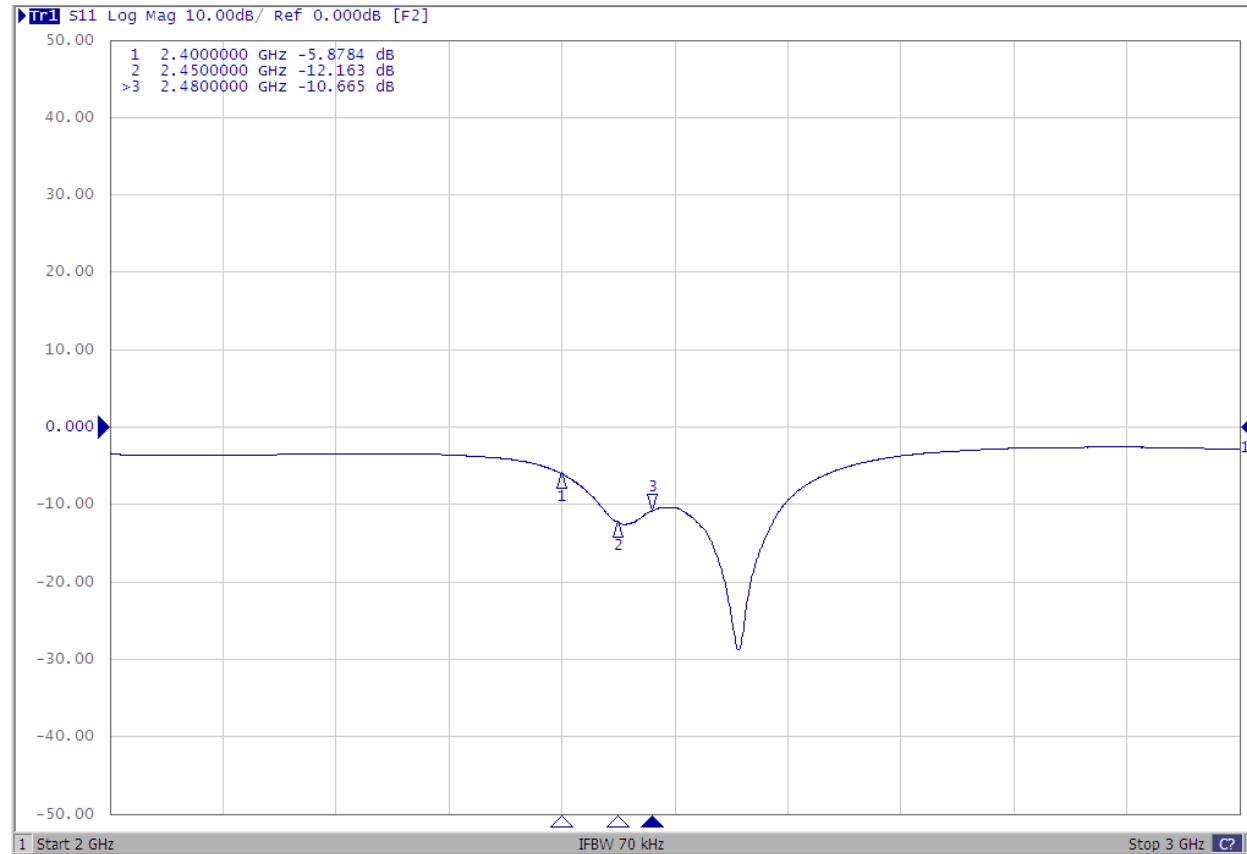
1. Measurement Information

1.2 Antenna Solution Detail



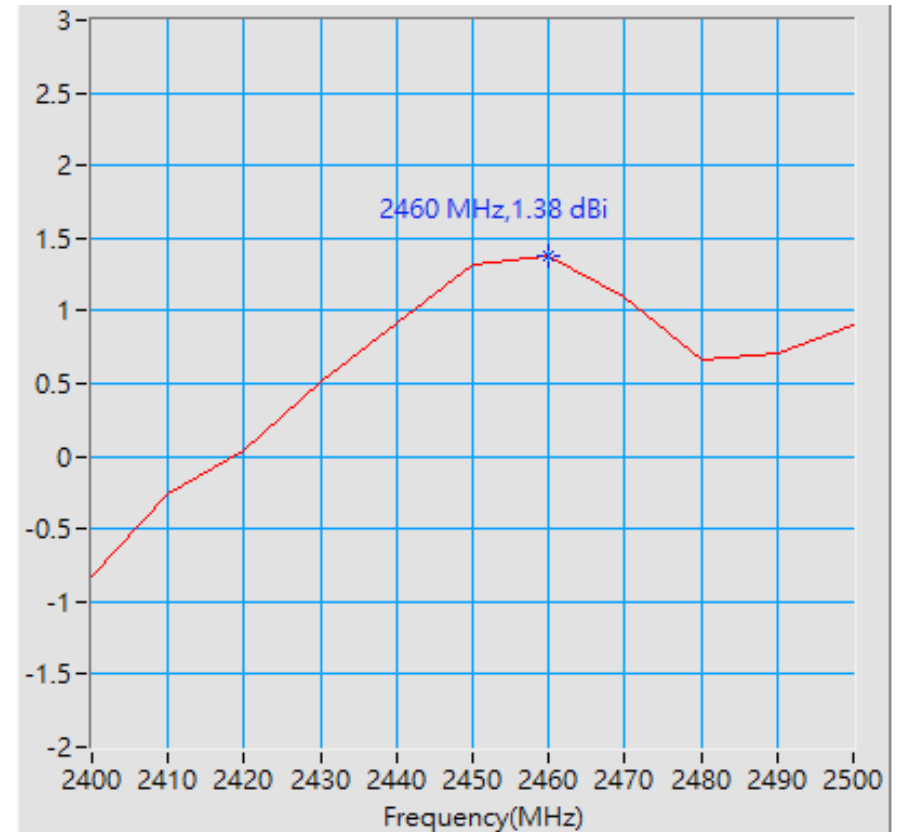
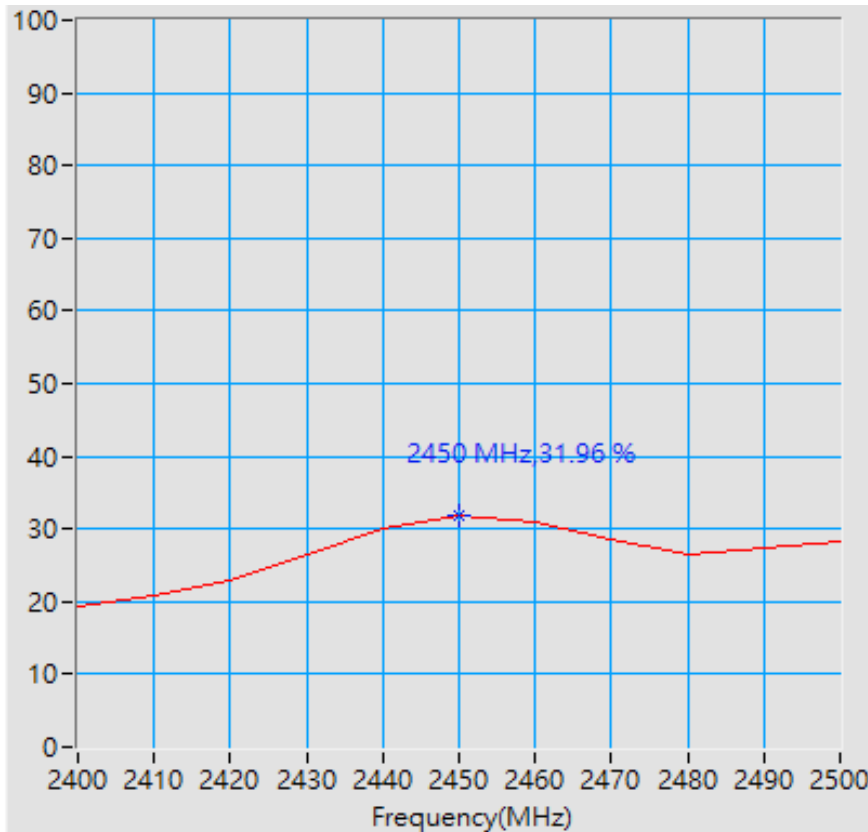
2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



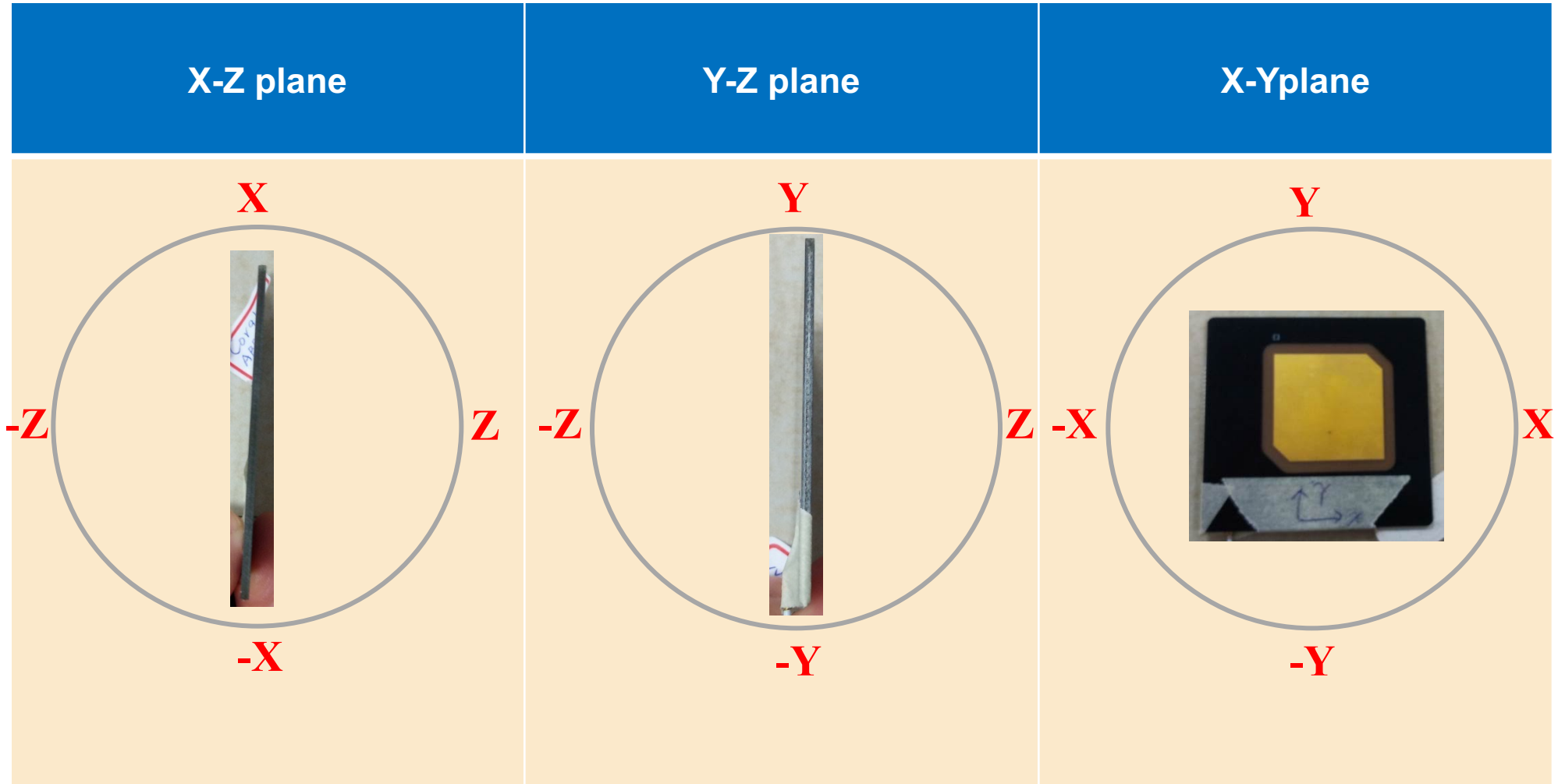
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	Antenna Performance	
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2.4	19.24	-0.83
2.45	31.96	1.31
2.5	28.30	0.90

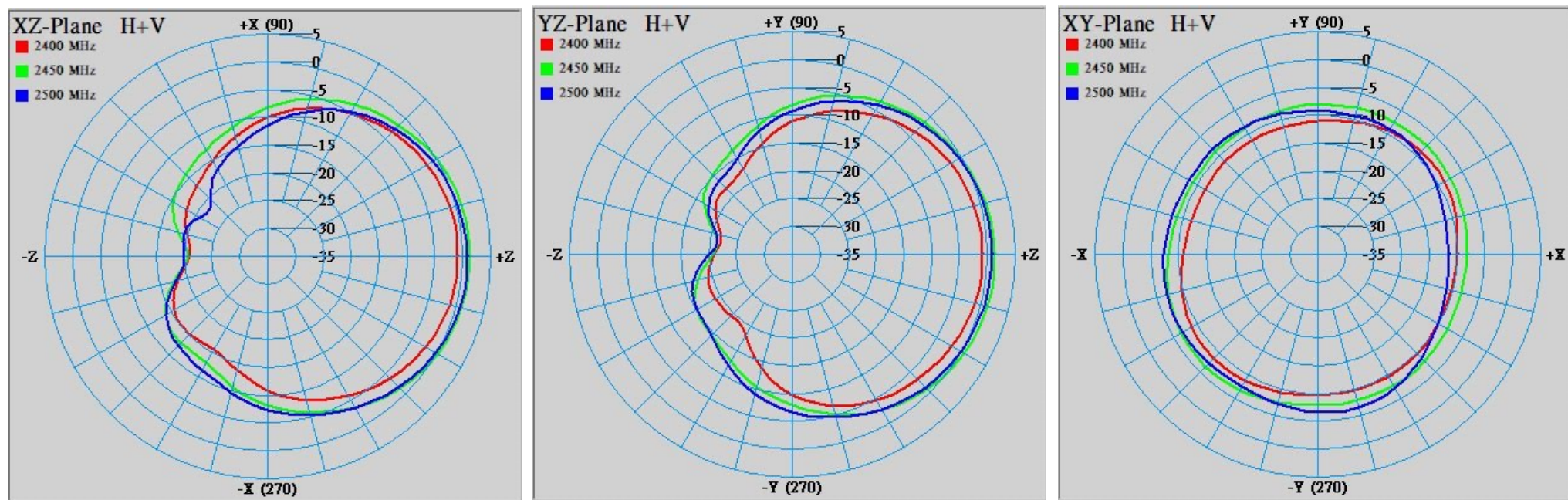
2. Antenna Characteristics

2.3 3 views of antenna



2. Antenna Characteristics

2.3 2D Radiation Patterns



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-0.83	-6.17	-0.83	-6.16	-8.58	-9.93
2450	1.28	-4.04	1.31	-3.89	-6.50	-7.86
2500	0.90	-4.59	0.86	-4.26	-6.52	-8.38

3. Summary

- The performance of antennas is shown in table

	Antenna Performance
Efficiency (%)	19 ~ 32
Peak Gain (dBi)	-0.8 ~ 1.4

Thank you

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