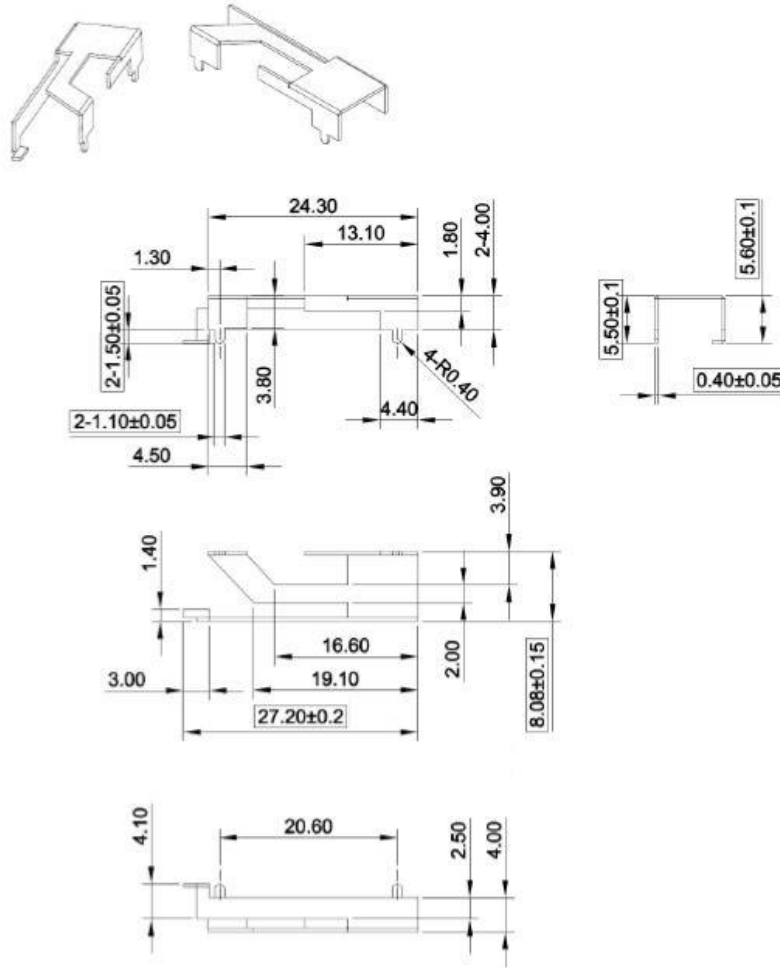


ELECTRICAL SPECIFICATION

PARAMETERS		VALUE	UNIT
Frequency Range		2400 ~ 2500 5150 ~ 5850	MHz
Return Loss, max		-10	dB
VSWR, max		2	-
Peak Gain	@ 2400 ~ 2500 MHz	2.64	dBi
	@ 5150 ~ 5850 MHz	4.48	dBi
Impedance		50	Ω
Polarization		Linear Vertical	-
Radiation Pattern		Directional	-
Antenna Material		SUS430	-
	T	0.4	mm

DIMENSIONS



Unit : mm

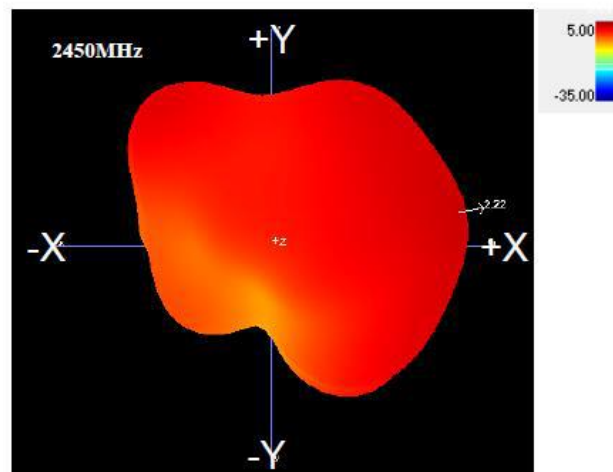
FREQUENCY CHARACTERISTICS

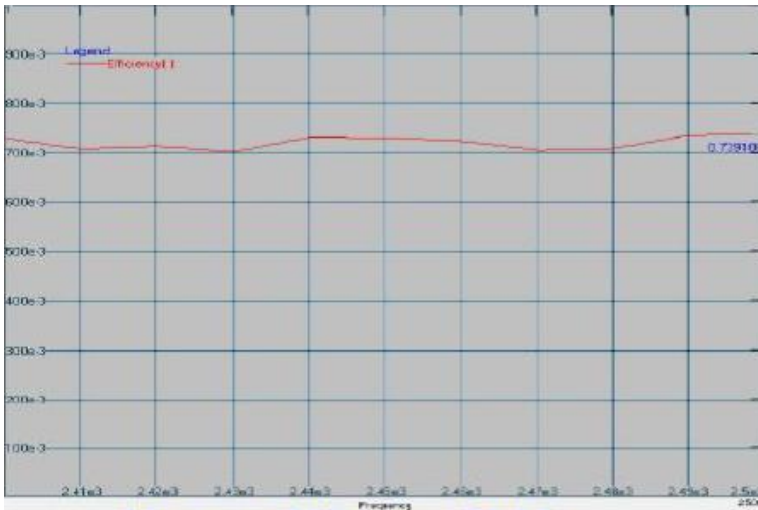
Return Loss



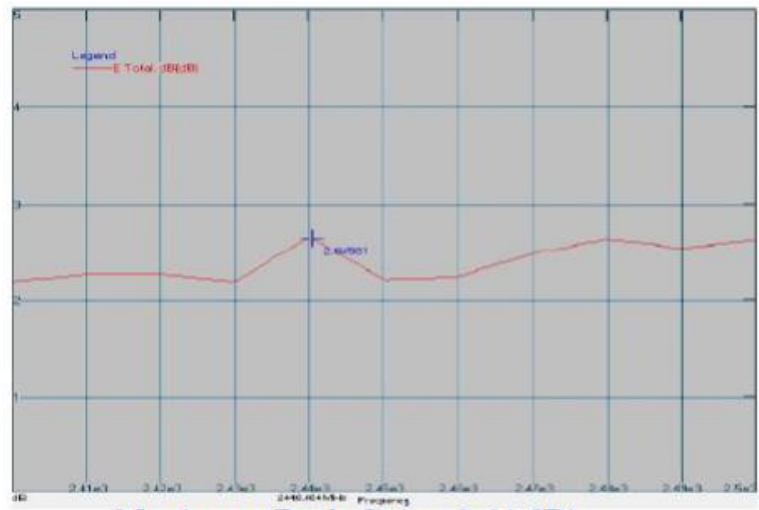
ANTENNA PEAK GAIN

@2G
f(c)@2450MHz



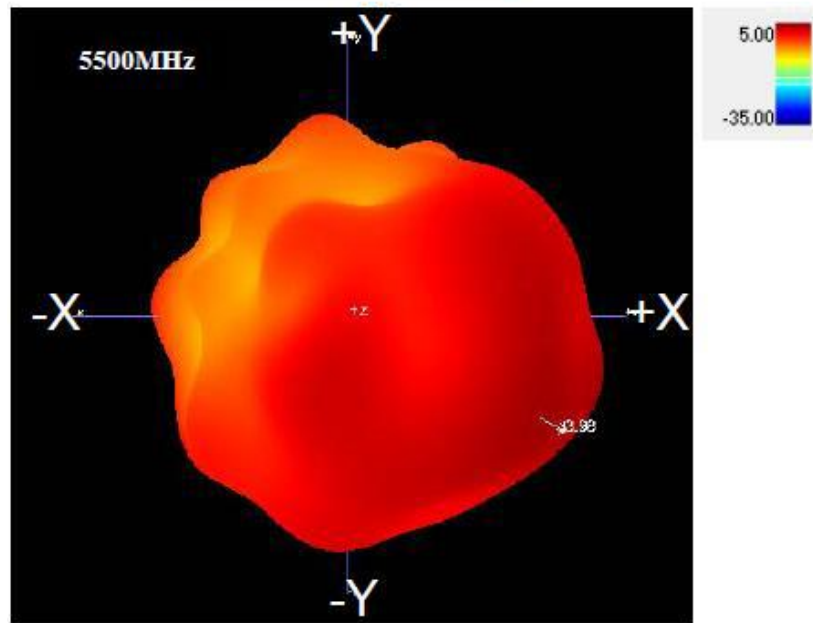


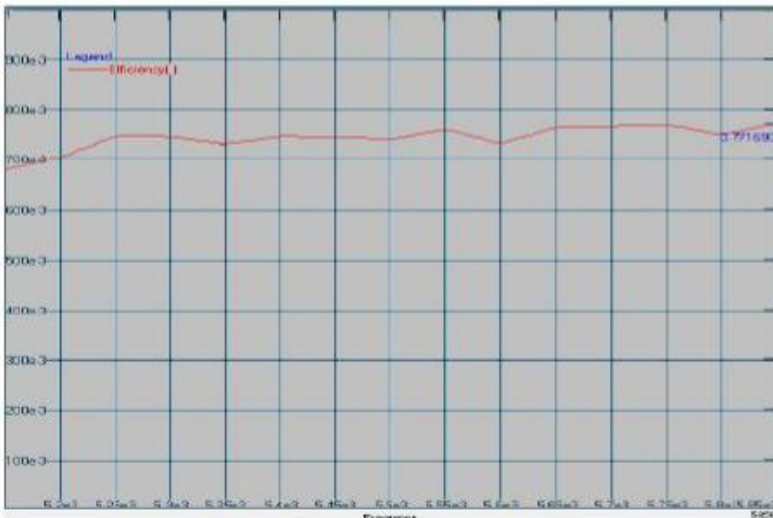
Maximum Efficiency : 73.9 %



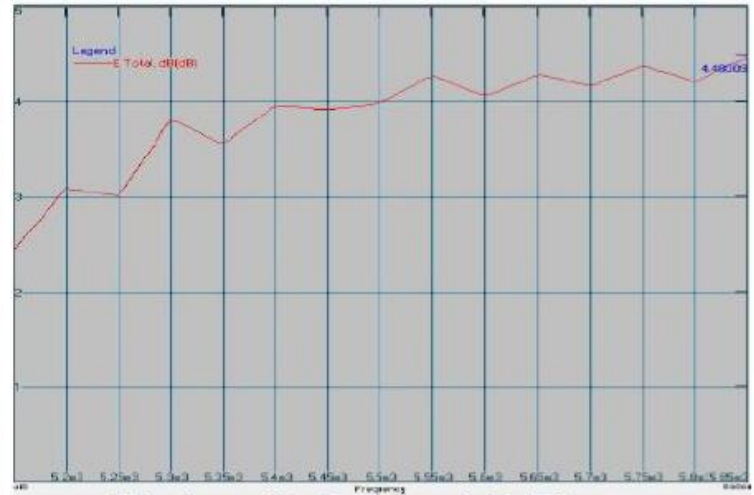
Maximum Peak Gain : 2.64 dBi

@5G
f(c)@5500MHz





Maximum Efficiency : 77.1 %



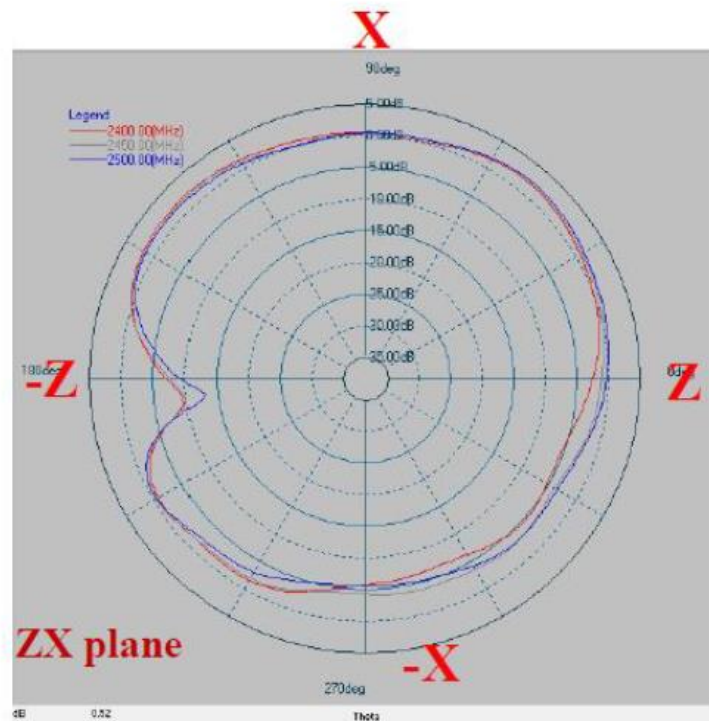
Maximum Peak Gain : 4.48 dBi

■ **RADIATION PATTERN**

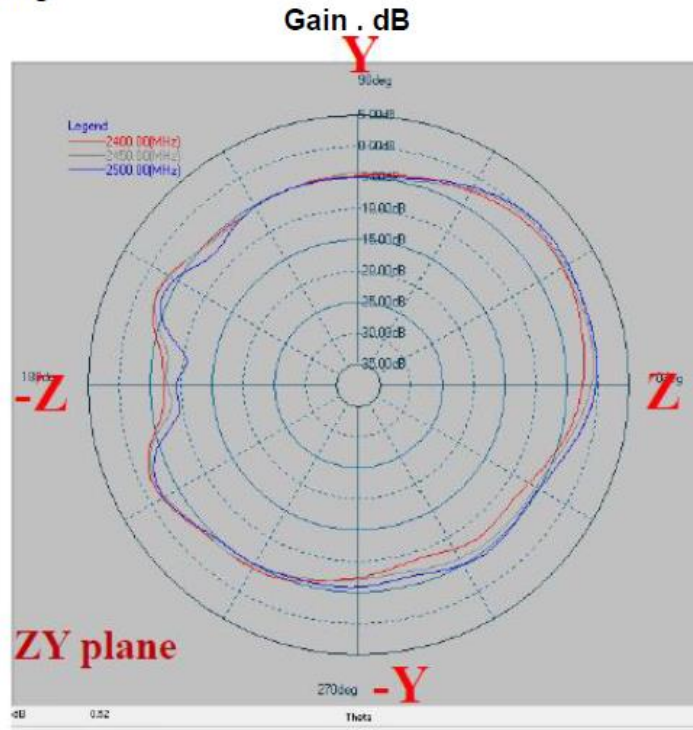
2400~2500 MHz

Phi=0.00deg

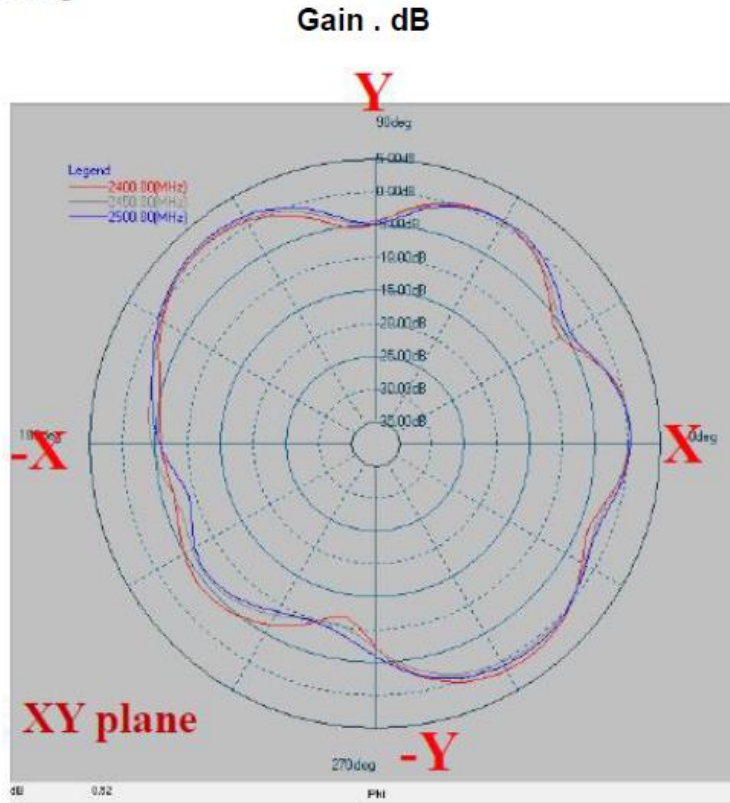
Gain . dB



Phi=90.00deg



Theta=90.00deg

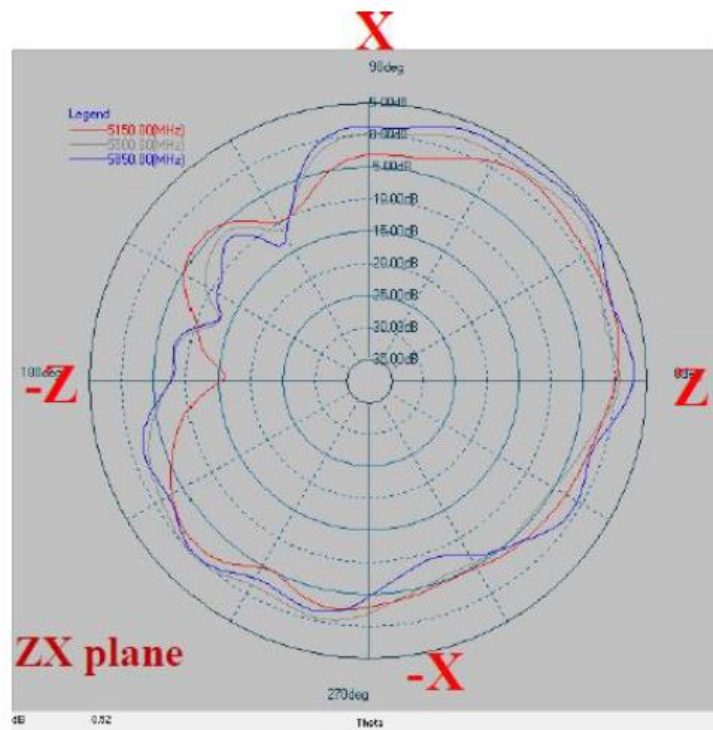


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	2.10 dB	-1.03 dB	-0.65 dB	-4.11 dB	1.58 dB	-1.92 dB
2450	2.10 dB	-0.80 dB	-0.26 dB	-3.81 dB	1.53 dB	-1.99 dB
2500	2.26 dB	-0.87 dB	0.48 dB	-3.58 dB	1.88 dB	-1.78 dB

5150~5850 MHz

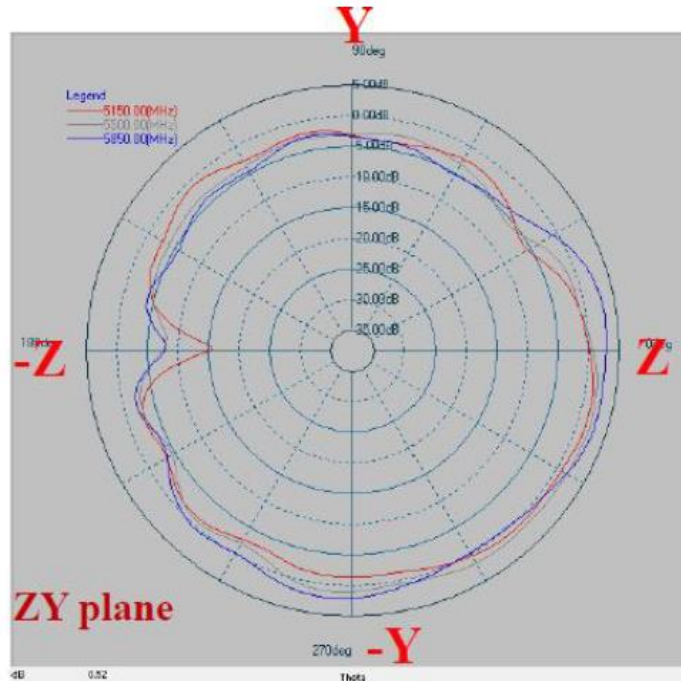
Phi=0.00deg

Gain . dB



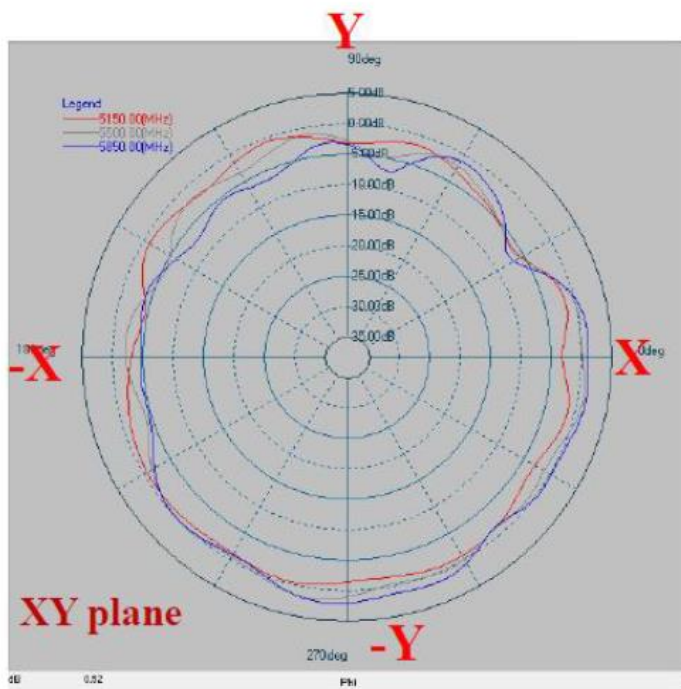
Phi=90.00deg

Gain . dB



Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
5150	1.77 dB	-2.56 dB	1.48 dB	-1.80 dB	-0.48 dB	-1.95 dB
5500	3.19 dB	-1.51 dB	2.14 dB	-1.22 dB	1.64 dB	-1.43 dB
5850	4.45 dB	-0.66 dB	3.05 dB	-0.66 dB	2.09 dB	-1.41 dB

ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant



APPROVAL

RALTRON	
DRAWN BY:	AR, March 30, 2022
APPROVED BY:	CP, March 30, 2022
REVISION:	A, Initial Release

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