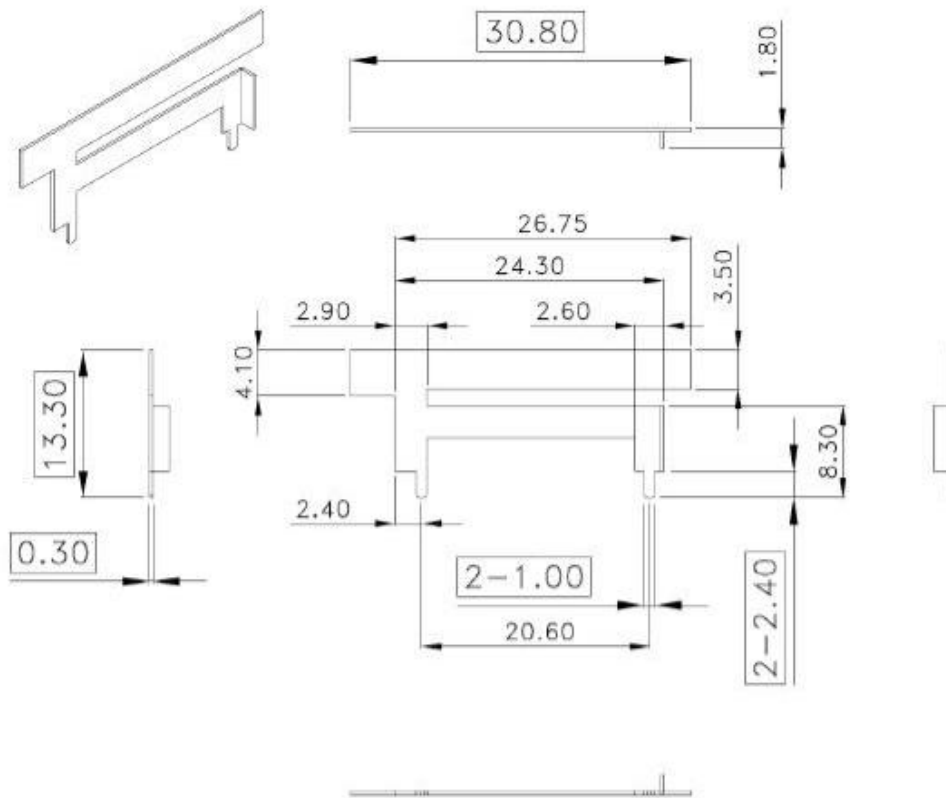


#### ELECTRICAL SPECIFICATION

PARAMETERS		VALUE	UNIT
Frequency Range		2400 ~ 2500      5150 ~ 5850	MHz
Return Loss, max		-10	dB
VSWR, max		2	-
Gain	@ 2400 ~ 2500 MHz	3.15	dBi
	@ 5150 ~ 5850 MHz	4.67	dBi
Impedance		50	$\Omega$
Polarization		Linear Vertical	-
Radiation Pattern		Directional	-
Antenna Material		SUS430	-
	T	0.4	mm

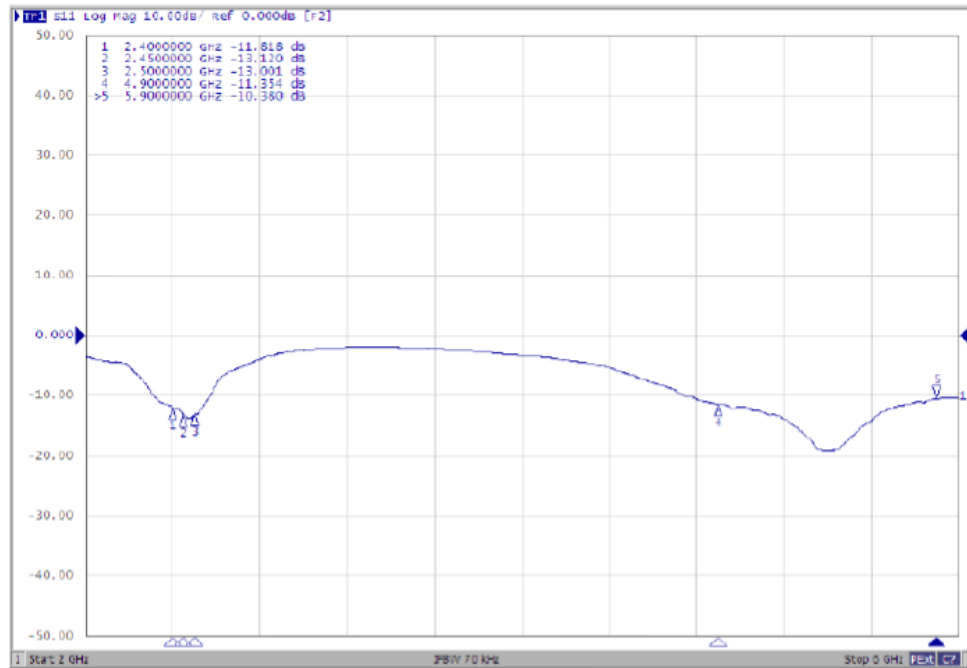
#### DIMENSIONS



Unit : mm

#### FREQUENCY CHARACTERISTICS

Return Loss



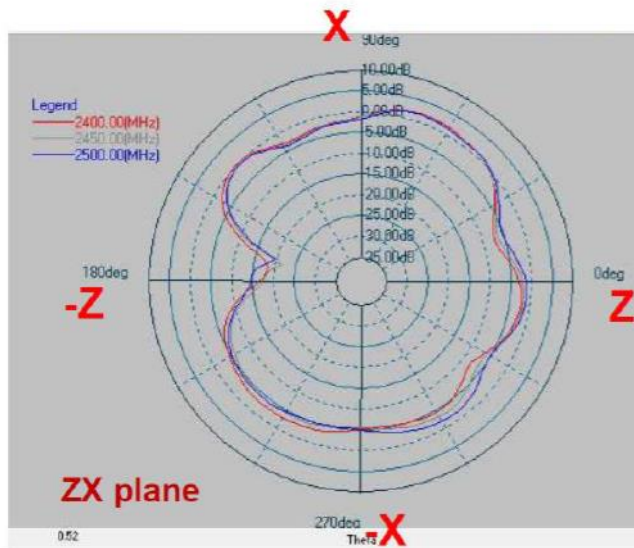
#### RADIATION PATTERN

2400~2500 MHz

X-Z Plane

Phi=0.00deg

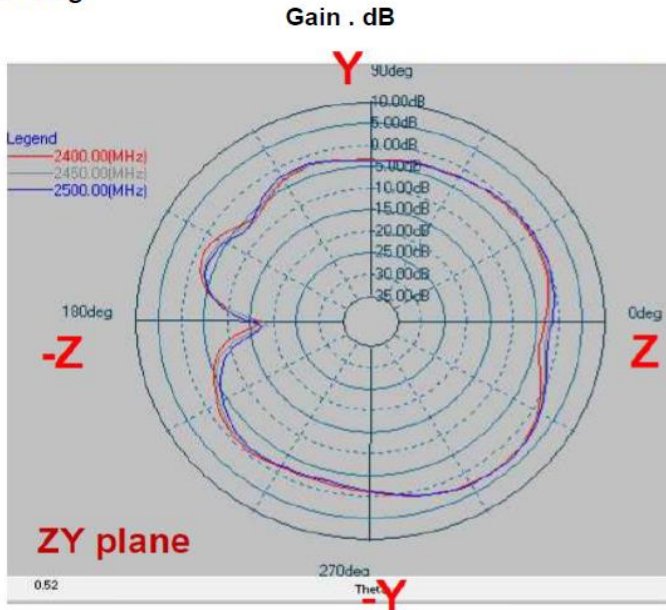
Gain . dB



Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
ZX	2400	1.75	-3.01
	2450	1.60	-3.16
	2500	1.54	-2.89

### Y-Z Plane

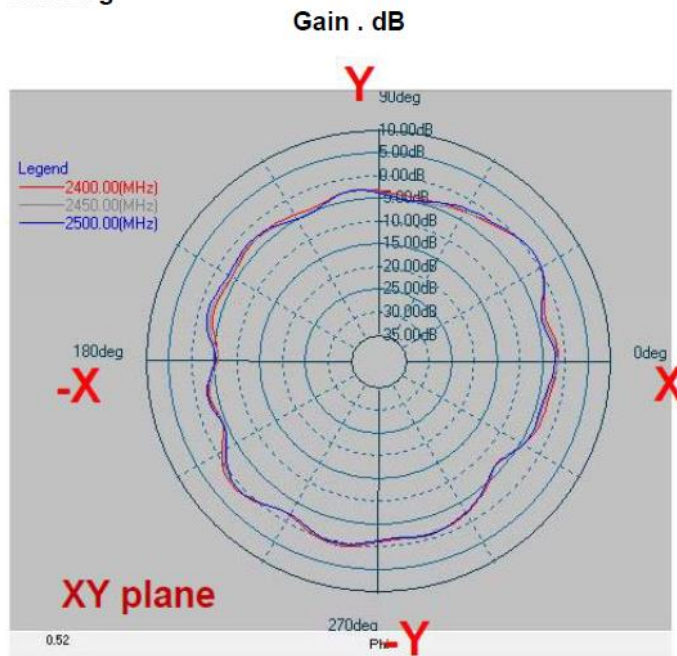
Phi=90.00deg



Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
ZY	2400	2.96	-1.56
	2450	3.12	-1.56
	2500	3.15	-1.48

### X-Y Plane

Theta=90.00deg

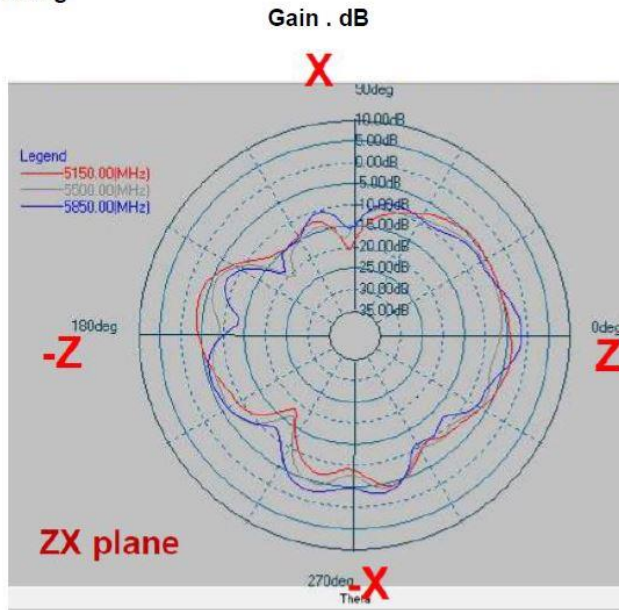


Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
XY	2400	1.12	-2.28
	2450	0.80	-2.49
	2500	0.66	-2.43

### 5150~5850 MHz

X-Z Plane

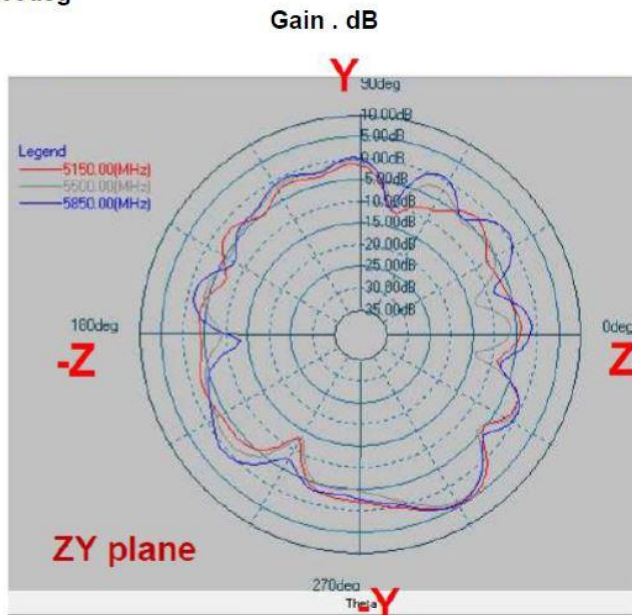
Phi=0.00deg



Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
ZX	5150	-3.14	-7.07
	5500	-4.07	-8.03
	5850	-1.44	-6.94

Y-Z Plane

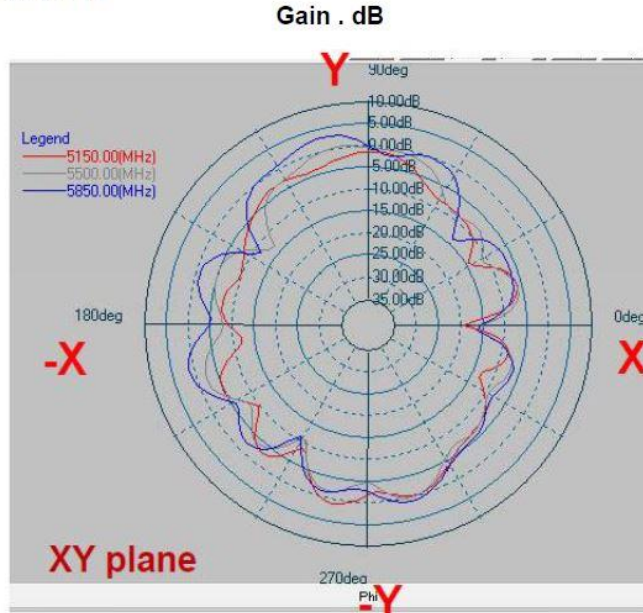
Phi=90.00deg



Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
ZY	5150	4.67	-2.63
	5500	3.81	-3.09
	5850	4.26	-1.84

### X-Y Plane

Theta=90.00deg



Plane	Frequency [MHz]	Max Value [dB]	Average [dB]
XY	5150	0.66	-5.04
	5500	-0.04	-4.54
	5850	2.77	-2.57

### 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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