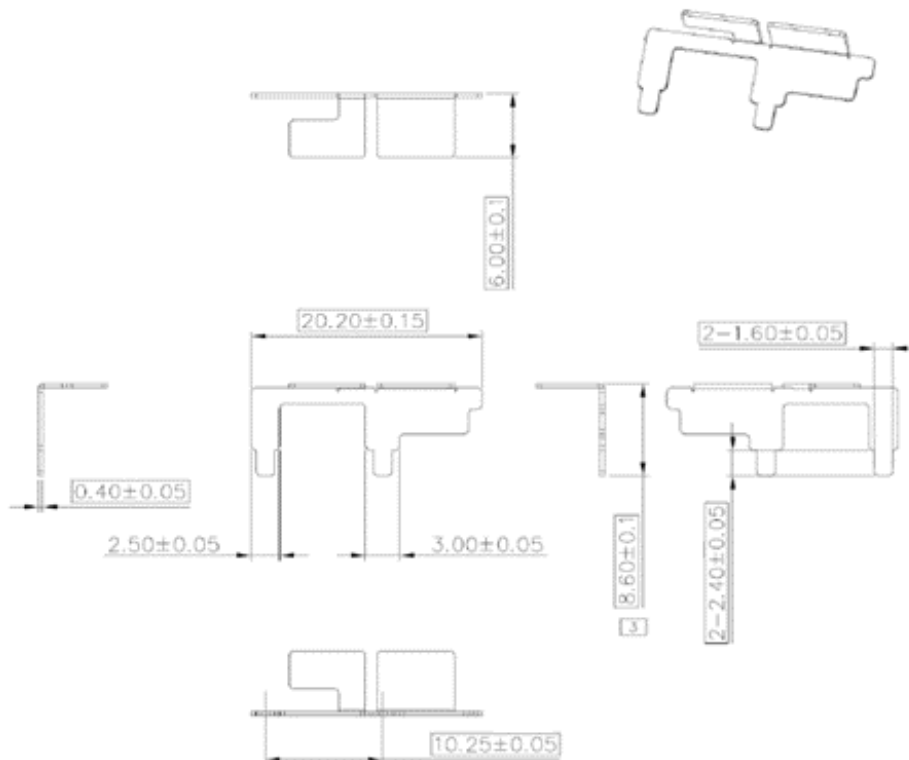


■ ELECTRICAL SPECIFICATION

PARAMETERS	VALUE	UNIT
Frequency Range	5150 ~ 7125	MHz
Return Loss, max	-10	dB
VSWR, max	2.0	-
Radiation	Omni-Directional	-
Peak Gain	5.25	dBi
Impedance	50	Ω
Polarization	Linear Vertical	-
Admitted Power	1	W
Operating Tempetaura Range	-20 ~ +65	$^{\circ}\text{C}$
Antenna Material	SUS430, T=0.4	mm

■ DIMENSIONS



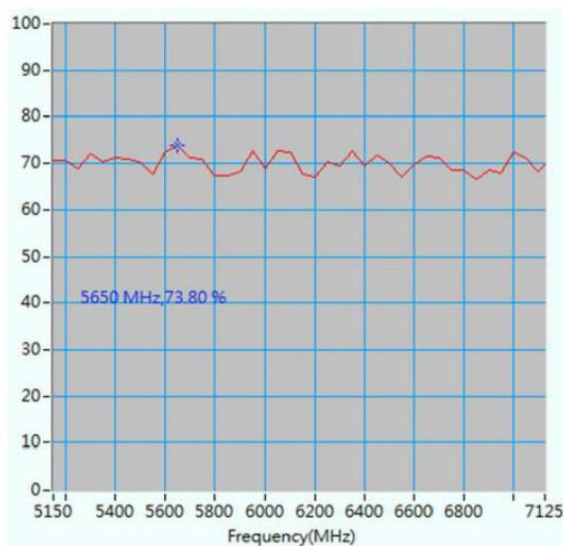
Unit : mm

FREQUENCY CHARACTERISTICS

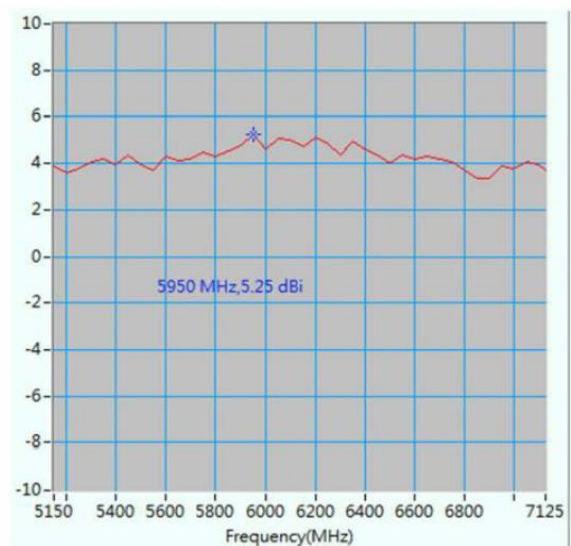
Return Loss



ANTENNA EFFICIENCY AND PEAK GAIN

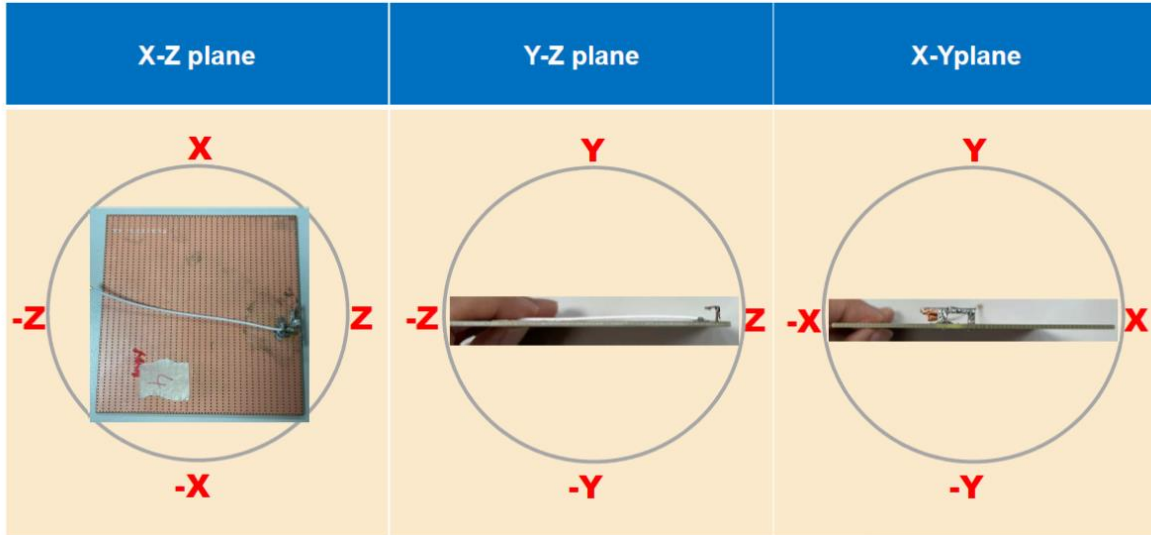


Maximum Efficiency at 5650 MHz : 73.8 %



Maximum Peak Gain at 5950 MHz : 5.25 dBi

■ 3 VIEWS OF ANTENNA

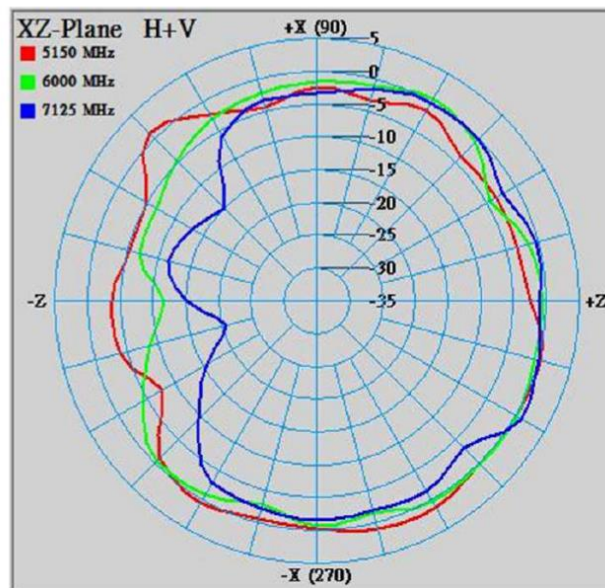


■ RADIATION PATTERN

X-Z Plane

Phi=0.00deg

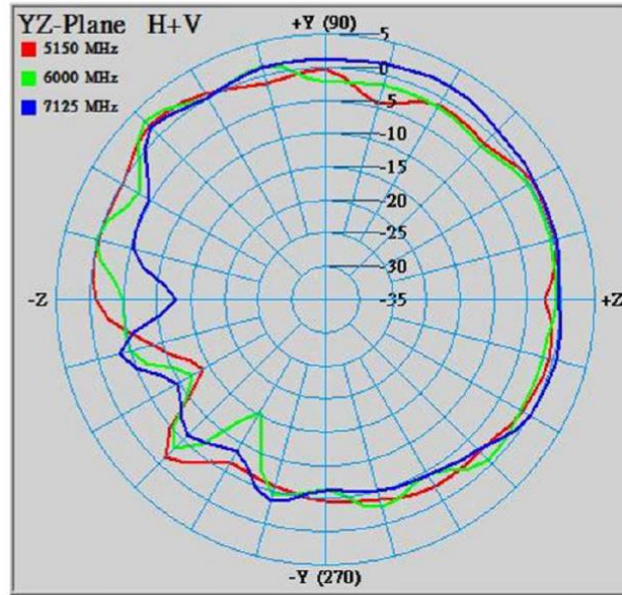
Gain . dB



Y-Z Plane

Phi=90.00deg

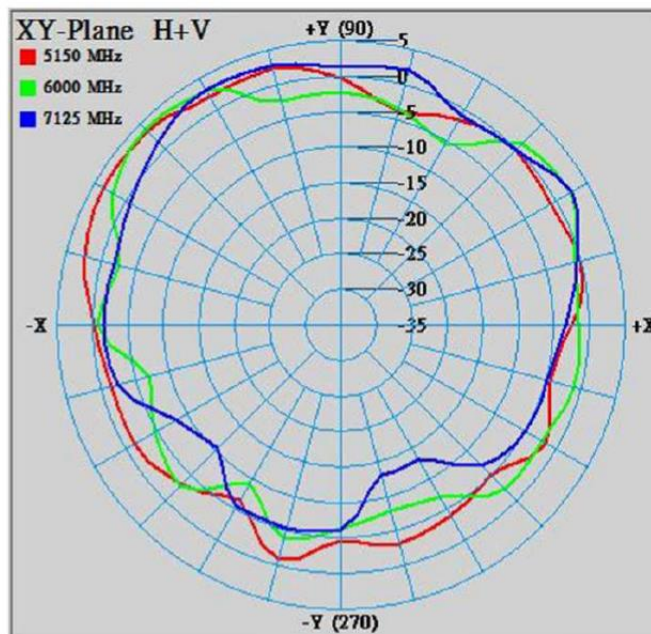
Gain . dB



X-Y Plane

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	1.35	-1.51	2.08	-1.60	3.55	-0.54
6600	0.49	-1.87	3.00	-1.74	3.94	-1.29
7125	0.95	-2.93	2.10	-1.19	3.15	-1.30

ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant



APPROVAL

RALTRON	
DRAWN BY:	AR, September 13, 2023
APPROVED BY:	CP, September 13, 2023
REVISION:	A, Initial Release

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