

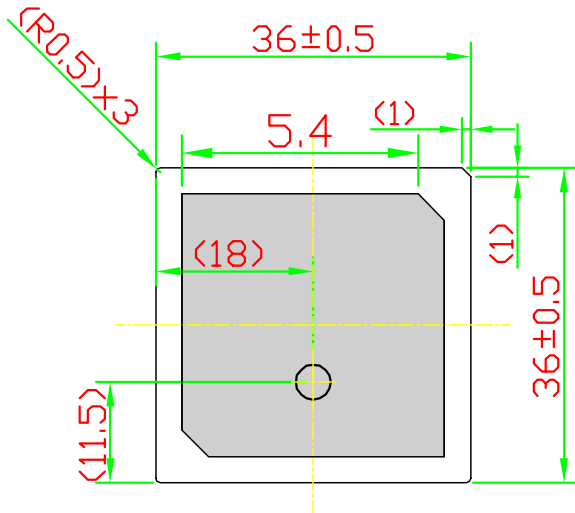
SPECIFICATION CONTROL DRAWING

REVISIONS

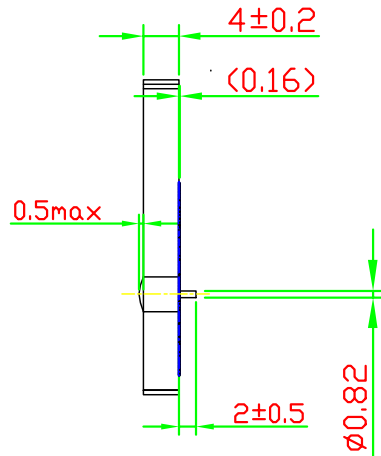
REV.	DATE	DESCRIPTION	ECO NO.
1	3/14/23	EXPERIMENTAL RELEASE	-----
A	4/09/24	PRODUCTION RELEASE	278752
B	7/02/24	UPDATE MECHANICAL DRAWING	283613

DWG. NO.

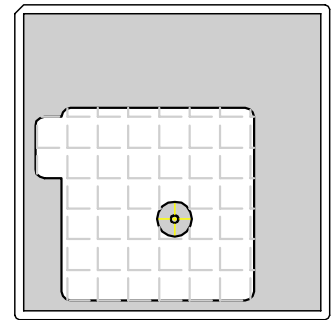
717-00197-51



TOP VIEW



SIDE VIEW



BOTTOM VIEW

NOTES:

1. Parts shall be packaged in trays.
2. "()" are reference dimensions.

TOLERANCE
(UNLESS NOTED OTHERWISE)

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TITLE

ANTENNA, PATCH, IRIDIUM/GNSS, EZ070, 36x36x4mm

SIZE
A

DWG. NO.

717-00197-51

REV.
B

DRWN SJD DATE 3/14/23

SCALE NONE

SHT. 1 OF 7

Electrical Specifications

Items	Specifications
Center Frequency (MHz)	1616~1626
Return Loss (dB)	<-10
Efficiency (%)	~85
Average Gain (dB)	~-0.7
Peak Gain(dBi)	~5.2
Impedance(Ω)	50
Polarization	RHCP

Mechanical Specifications	
Dimensions (mm)	36(L) x 36(W) x 4(H)
Material	Ceramic
Environmental Conditions	
Operation & Storage Temperature ($^{\circ}$ C)	-40 ~ +85
Storage Temperature ($^{\circ}$ C) (Antenna with packing sealed)	-5 ~ +40
Relative Humidity	10 ~ 70 %

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SIZE

A

DWG. NO.

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REV.

B

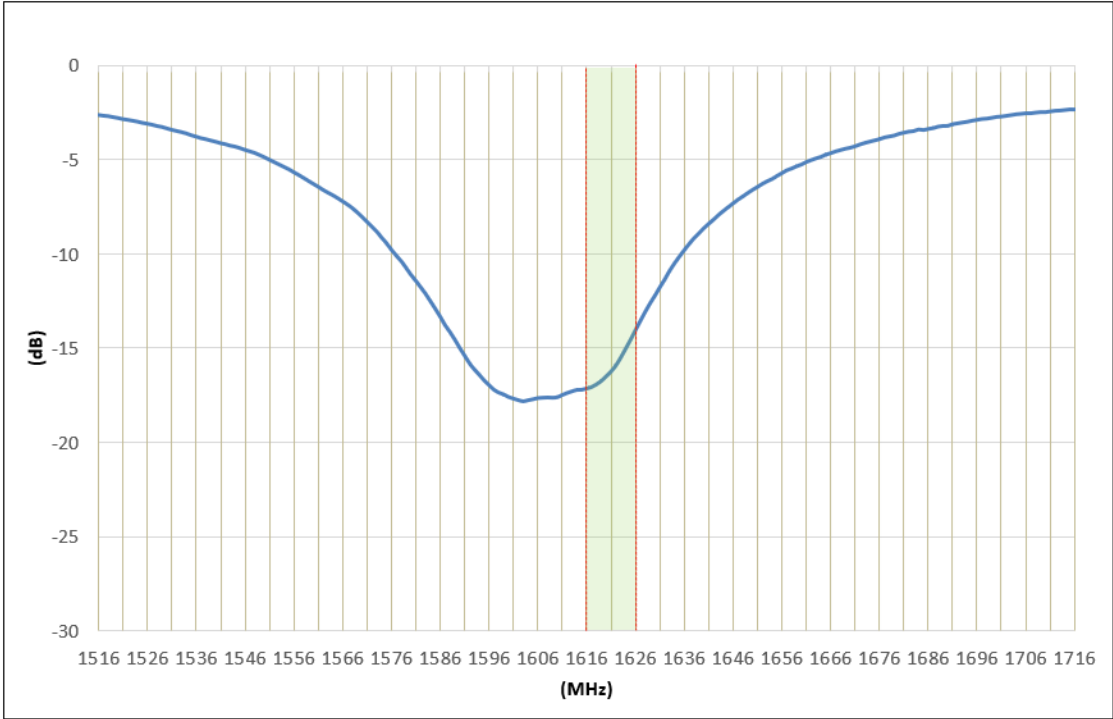
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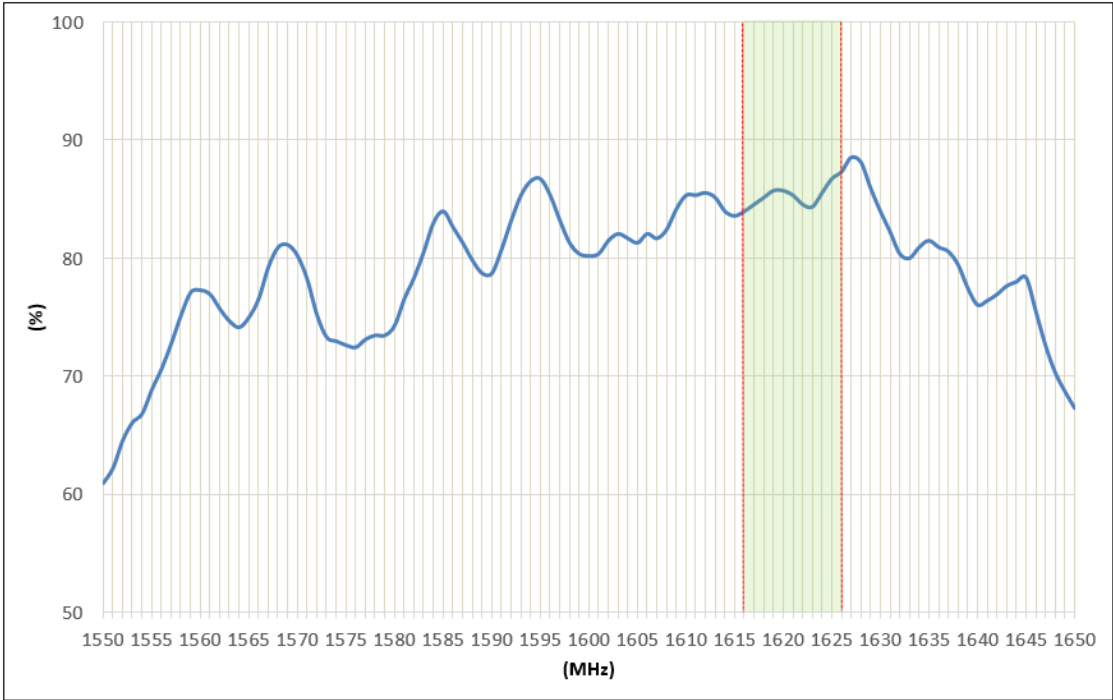
SHT. 2 OF 7

Properties:

a) Return loss (dB)



b) Efficiency (%)



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SIZE
A

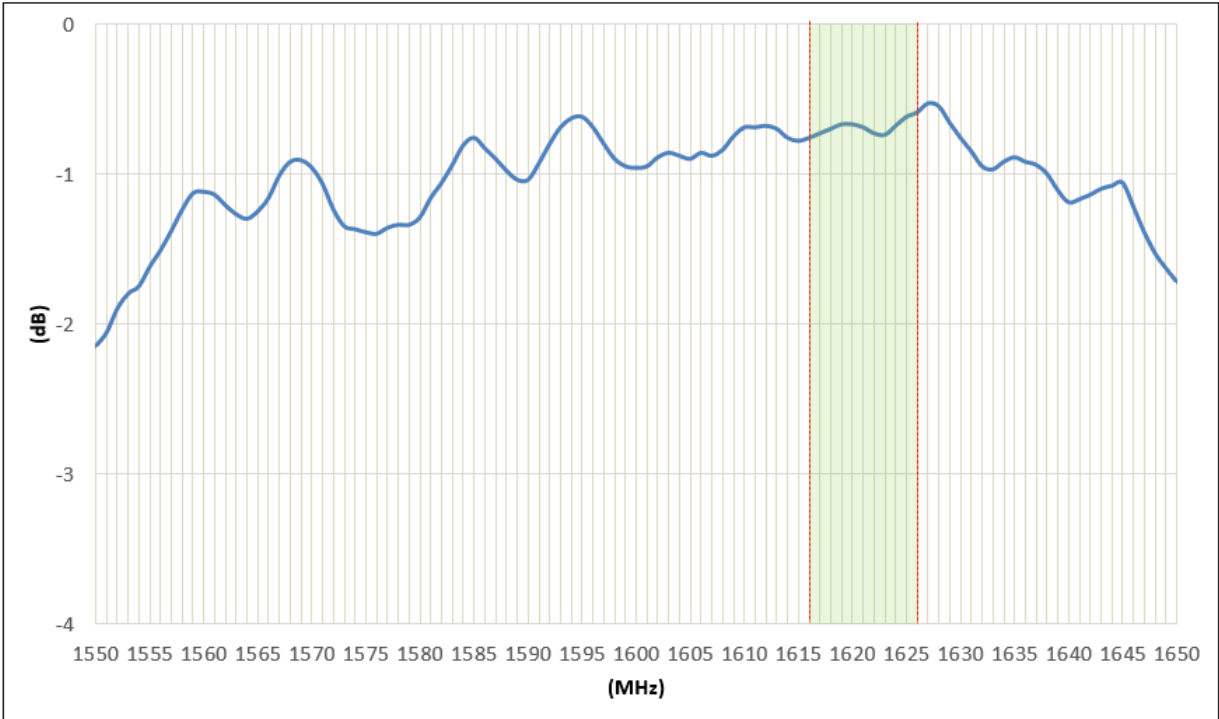
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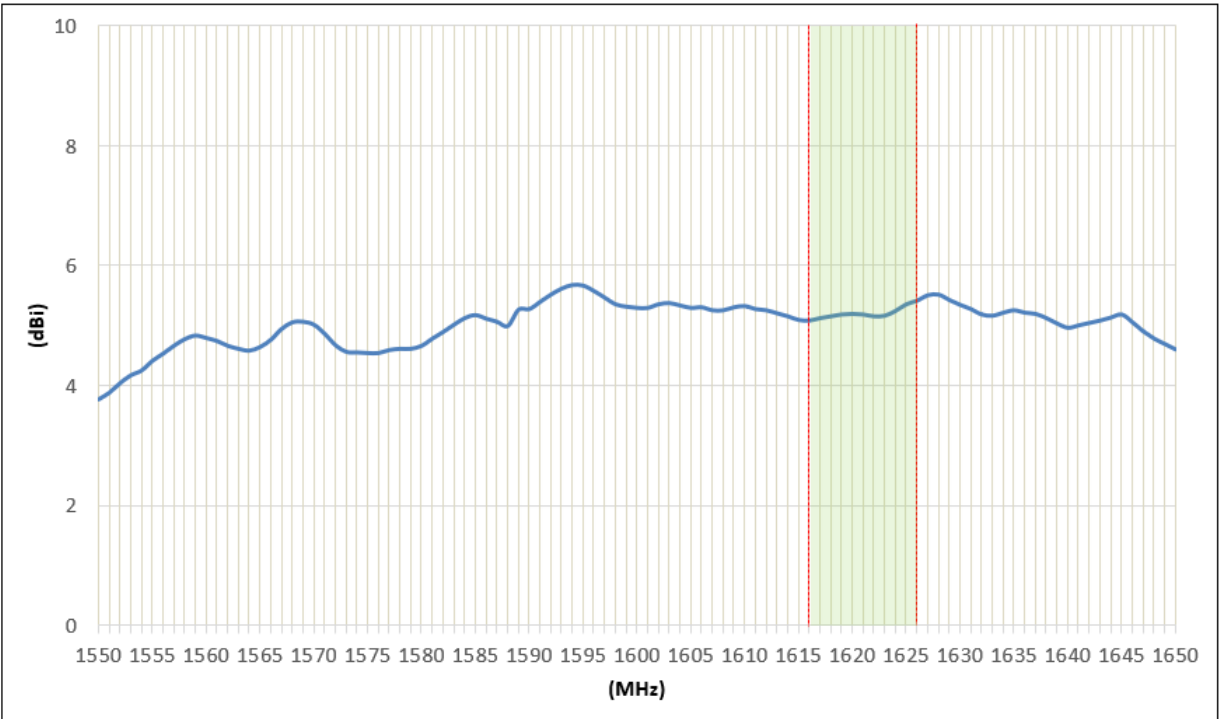
REV.
B

SHT. 3 OF 7

c) Average Gain (dB)



d) Peak Gain(dBi)



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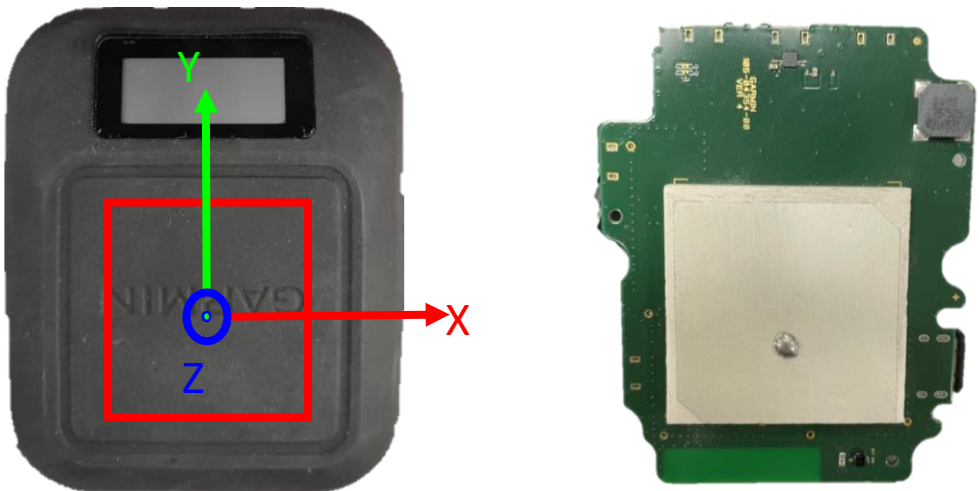
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SIZE
A
SCALE
NONE

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SHT. 4 OF 7

REV.
B

2D Radiation Gain Pattern Test Configuration



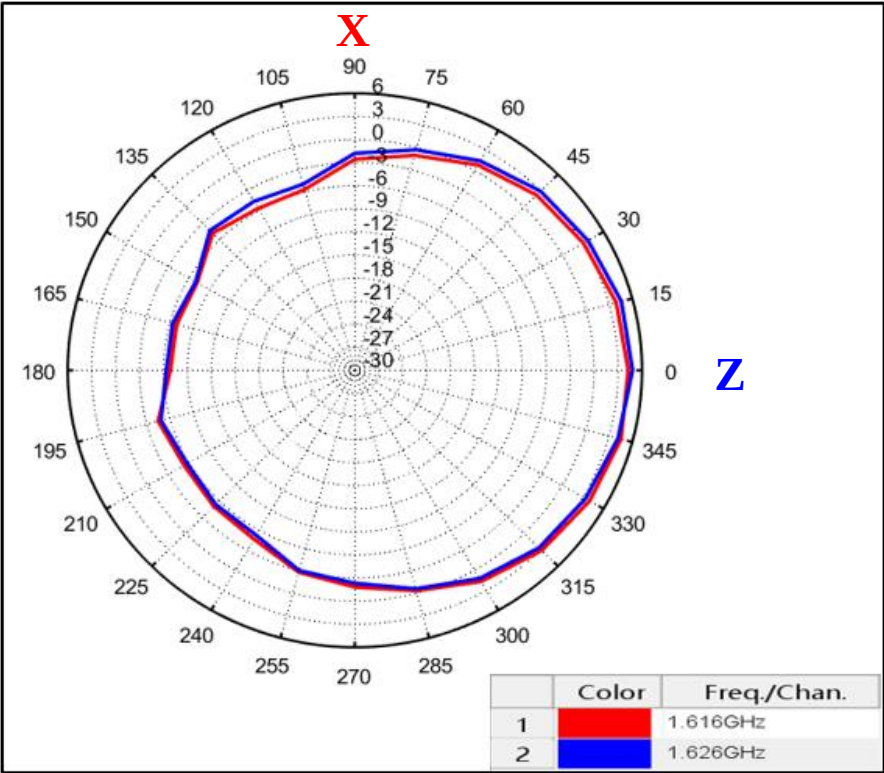
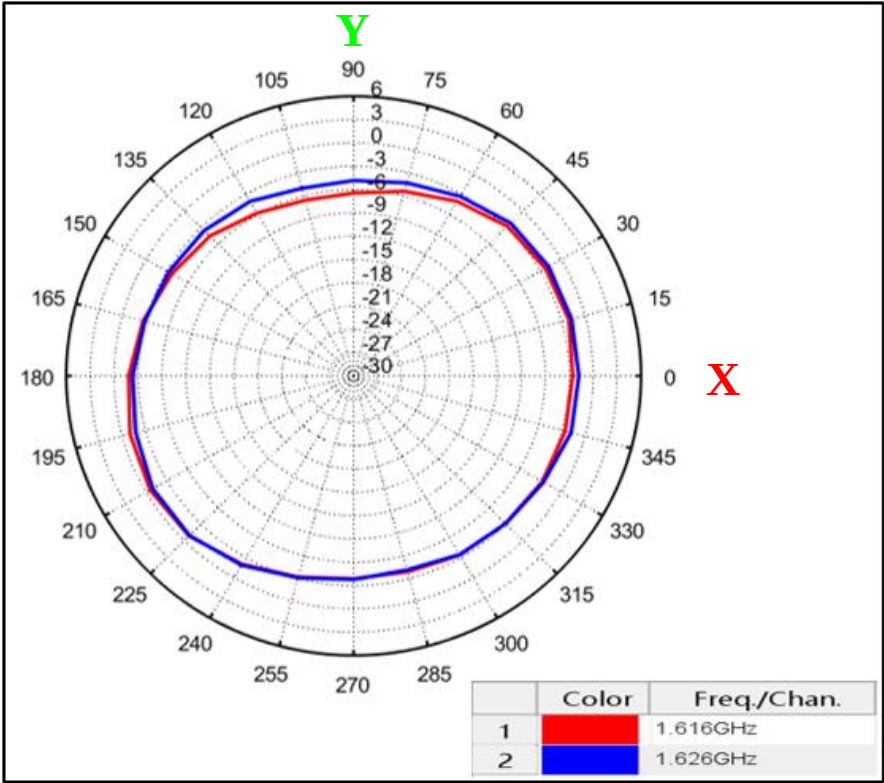
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SIZE A	DWG. NO. 717-00197-51	REV. B
SCALE NONE	SHT. 5 OF 7	

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2D Radiation Gain Pattern



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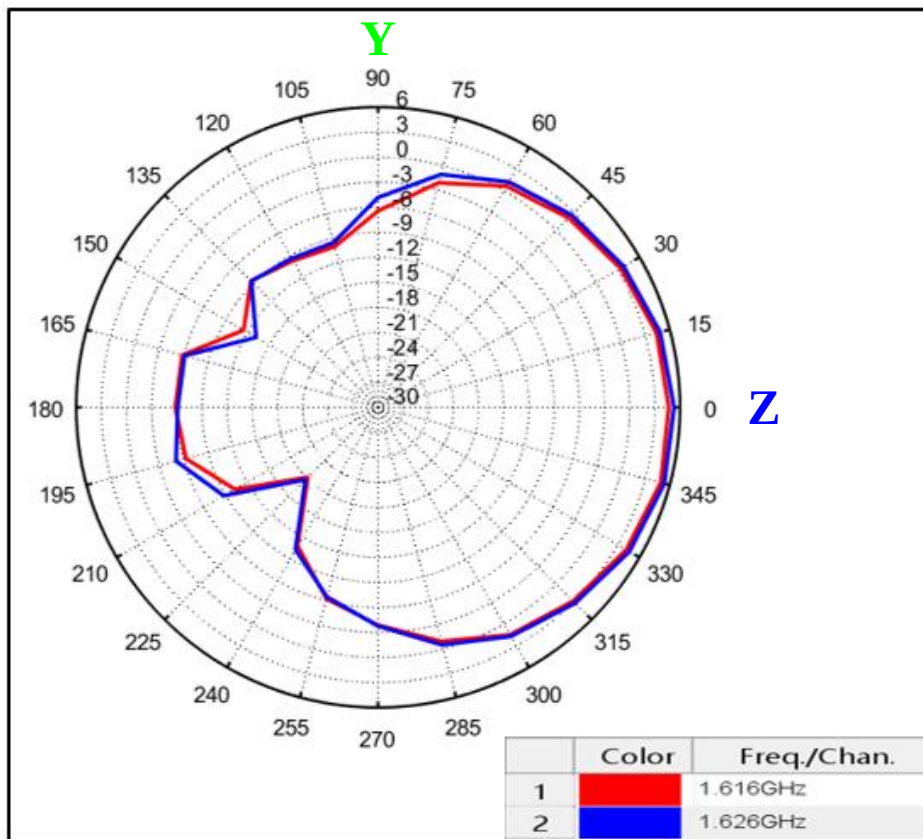
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SCALE
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REV.
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SHT. 6 OF 7



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SCALE

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