

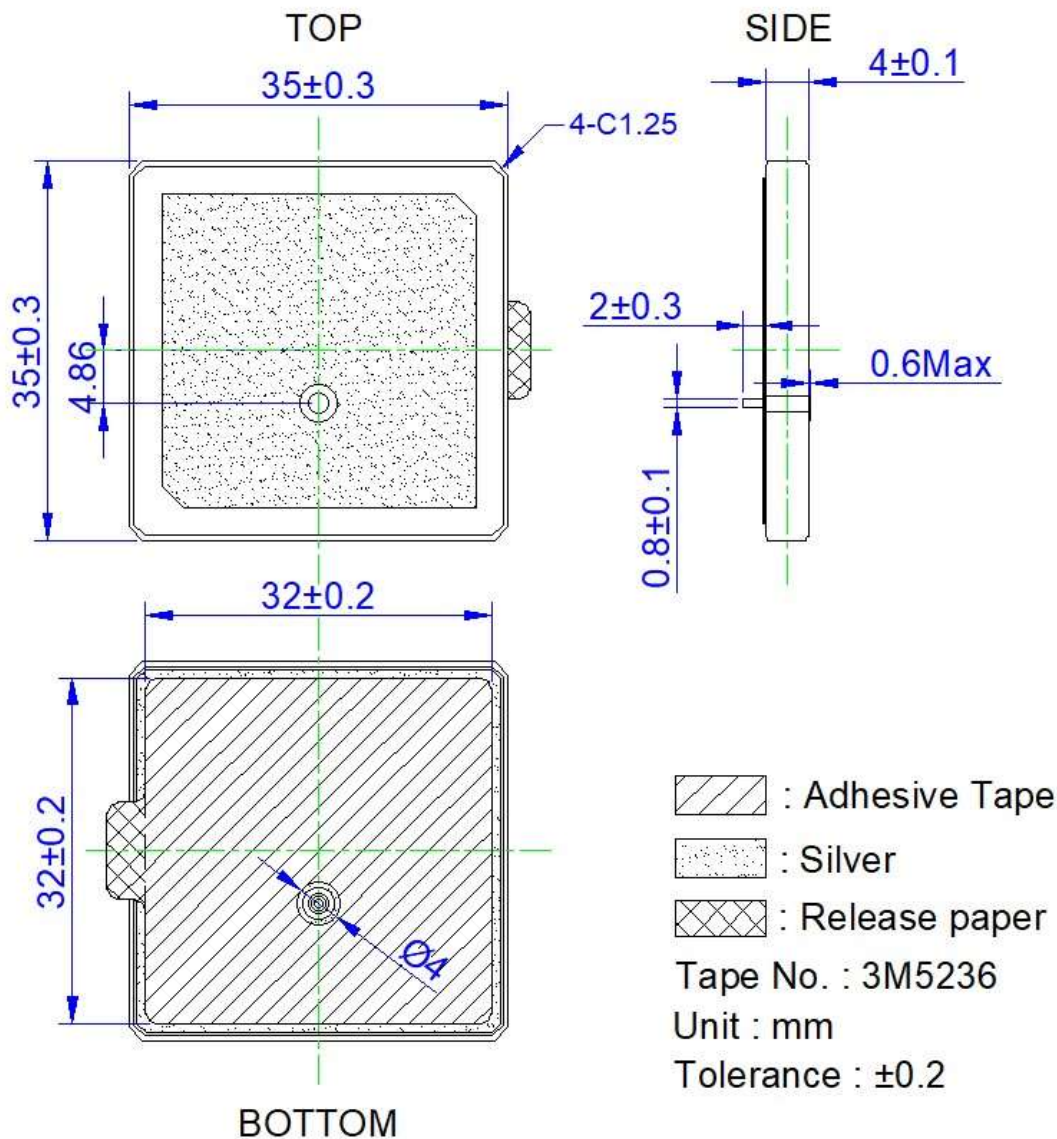
SPECIFICATION CONTROL DRAWING

REVISIONS

REV.	DATE	DESCRIPTION	ECO NO.
1	3/16/23	EXPERIMENTAL RELEASE	-----
A	4/09/24	PRODUCTION RELEASE	278752

DWG. NO.

717-00197-52



NOTES:

- Parts shall be packaged in trays.

TOLERANCE
(UNLESS NOTED OTHERWISE)

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1200 E. 151st Street
Olathe, Kansas 66062 U.S.A.

TITLE

ANTENNA, PATCH, IRIDIUM/GNSS, MODEL 35354, 35x35x4mm

SIZE

A

DWG. NO.

717-00197-52

REV.

A

DRWN SJD

DATE 3/16/23

SCALE

NONE

SHT. 1 OF 4

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Electrical Specifications

Working Frequency	1616 MHz ~ 1626.5 MHz
Center Frequency	1621 \pm 3 MHz
Gain (@ Zenith)	4.7 dBic (Typ.)
Bandwidth (@ -10dB R.L.)	50 MHz(Min.)
VSWR	1.5 Max.
Polarization	RHCP
Axial Ratio	\leq 5 dB
Impedance	50 Ω
Operating Temperature	-40 ~ 85 $^{\circ}$ C

NOTE

1. Based on customer's PCB board and housing.
2. Centre frequency will be offset to working frequency while changes of customer's housing and ground plane.

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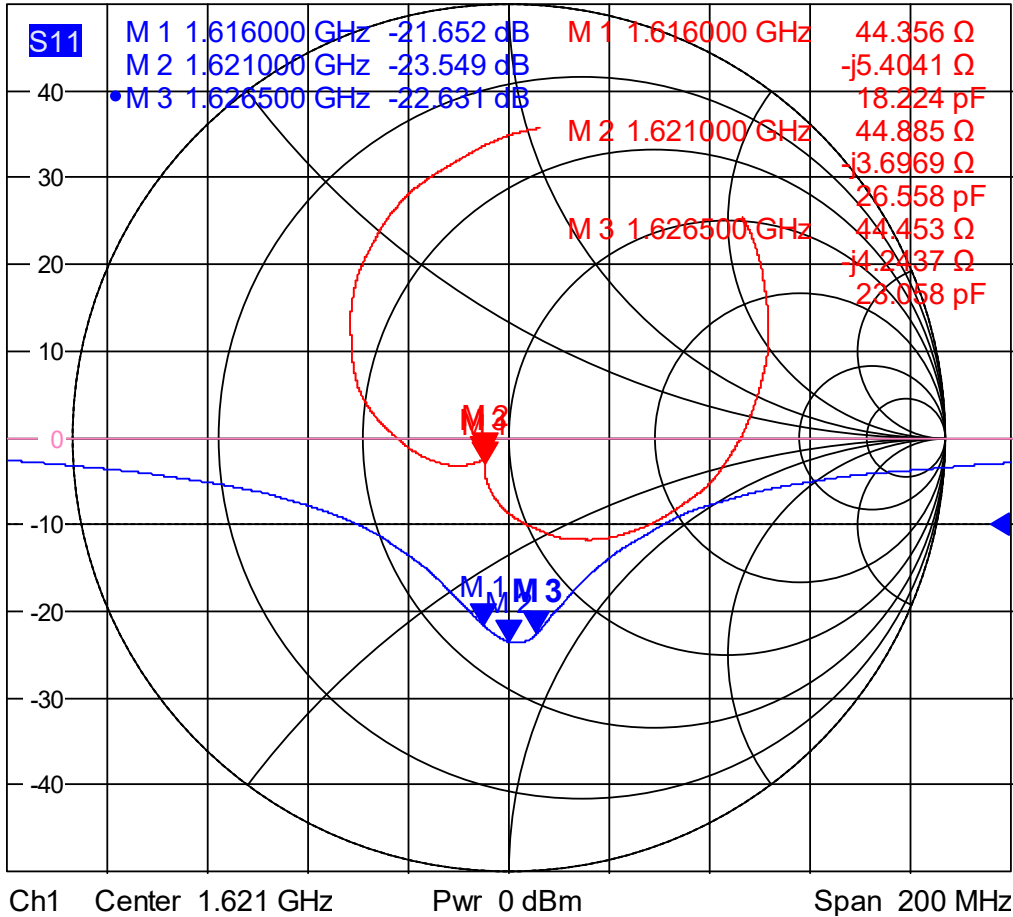
SCALE

NONE

SHT. 2 OF 4

RETURN LOSS

Trc1 S11 dB Mag 10 dB / Ref -10 dB Cal int 1 of 1 (Max)
Trc2 S11 Smith Ref 1 U Cal int



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SIZE
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SCALE NONE

DWG. NO.

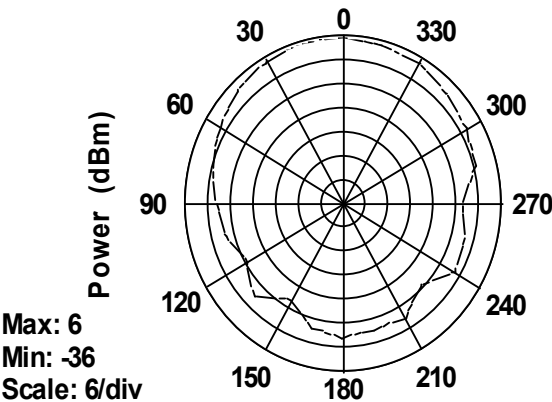
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REV.
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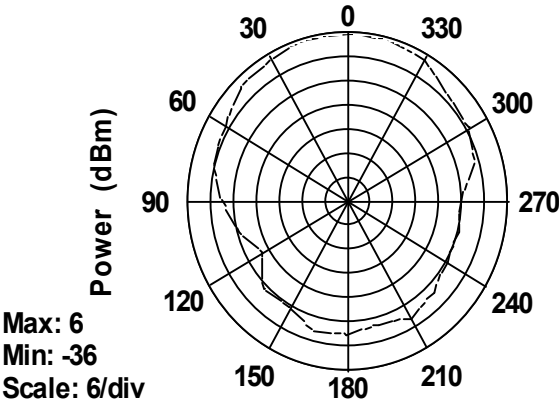
SHT. 3 OF 4

RADIATION PATTERN

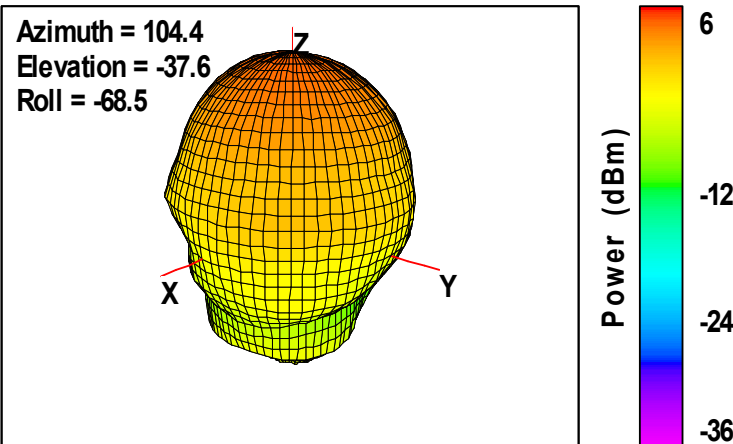
1621 MHz



2D x-z plane pattern



2D y-z plane pattern



3D radiation pattern

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	SCALE NONE	SHT. 4 OF 4	