

PAS2339MZ50H4G-00-1x

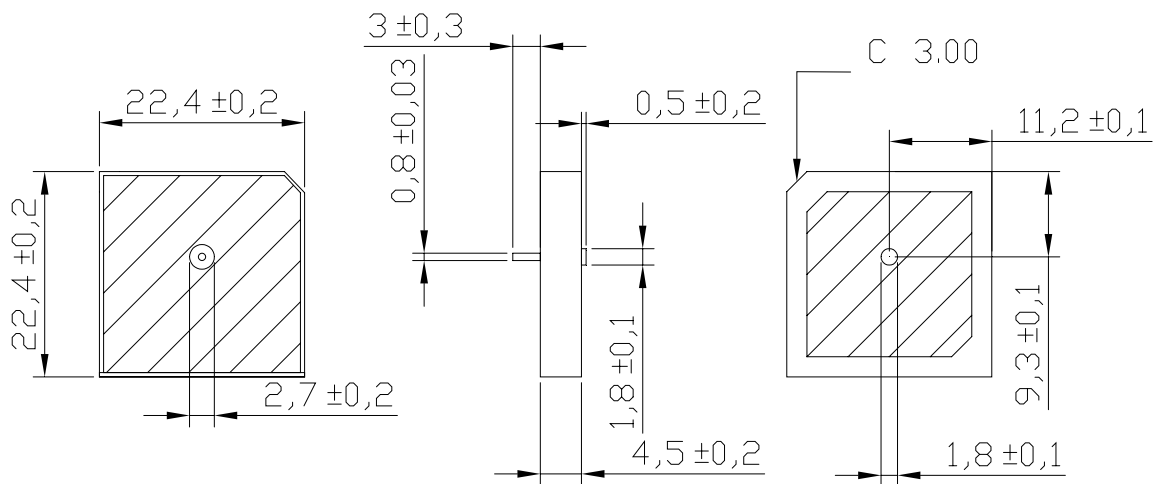
ENGINEERING SPECIFICATION

1. Typical Electrical Properties

Characteristics	Specification	Unit	Conditions
SDARS XM Frequency	2332.5~2345	MHz	
Center Frequency f_0	2338.75	MHz	with 50mm Square ground plane
Bandwidth	60 min.	MHz	Return Loss \leq -10dB
Gain at Zenith	+4.5 typ.	dBic	
Gain at 10° elevation	-6.0 typ.	dBic	
Polarization	LHCP		
Impedance	50	Ω	
Frequency Temperature Coefficient	0 \pm 20	ppm/°C	-40°C to +85°C

2. Dimension

Unit : mm







UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±

SCALE : UNIT : mm

DRAWN BY : 郭芳君  CHECKED BY : 黃月碧 

DESIGNED BY: 鄭大福  APPROVED BY: 許偉綱  代

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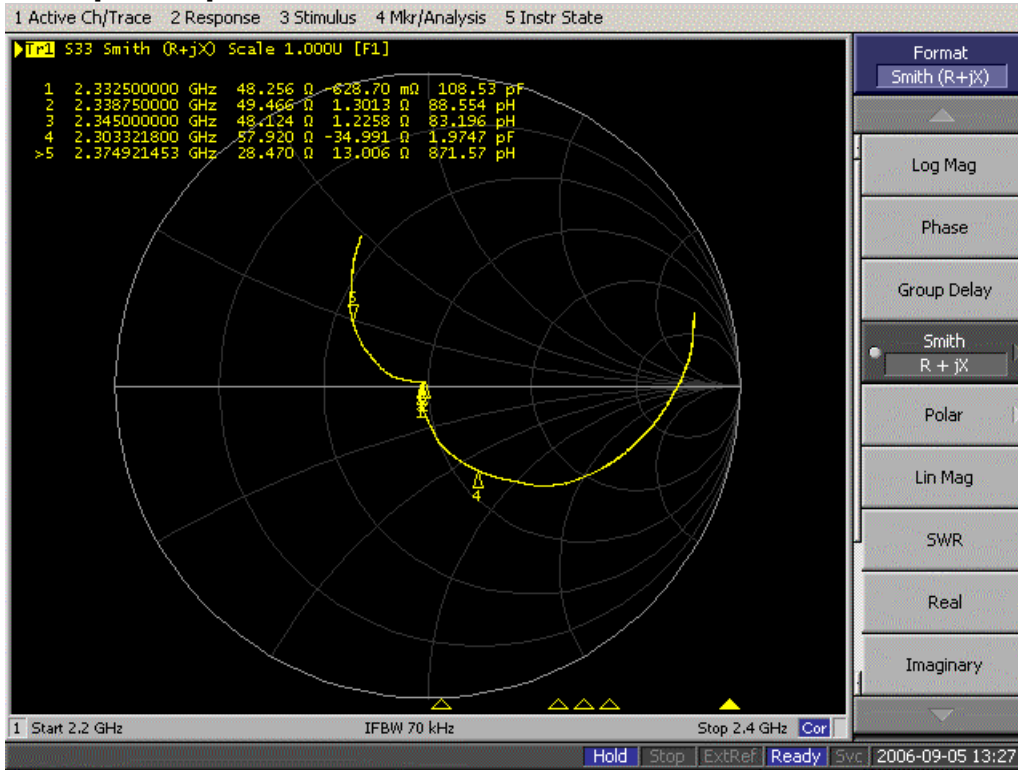
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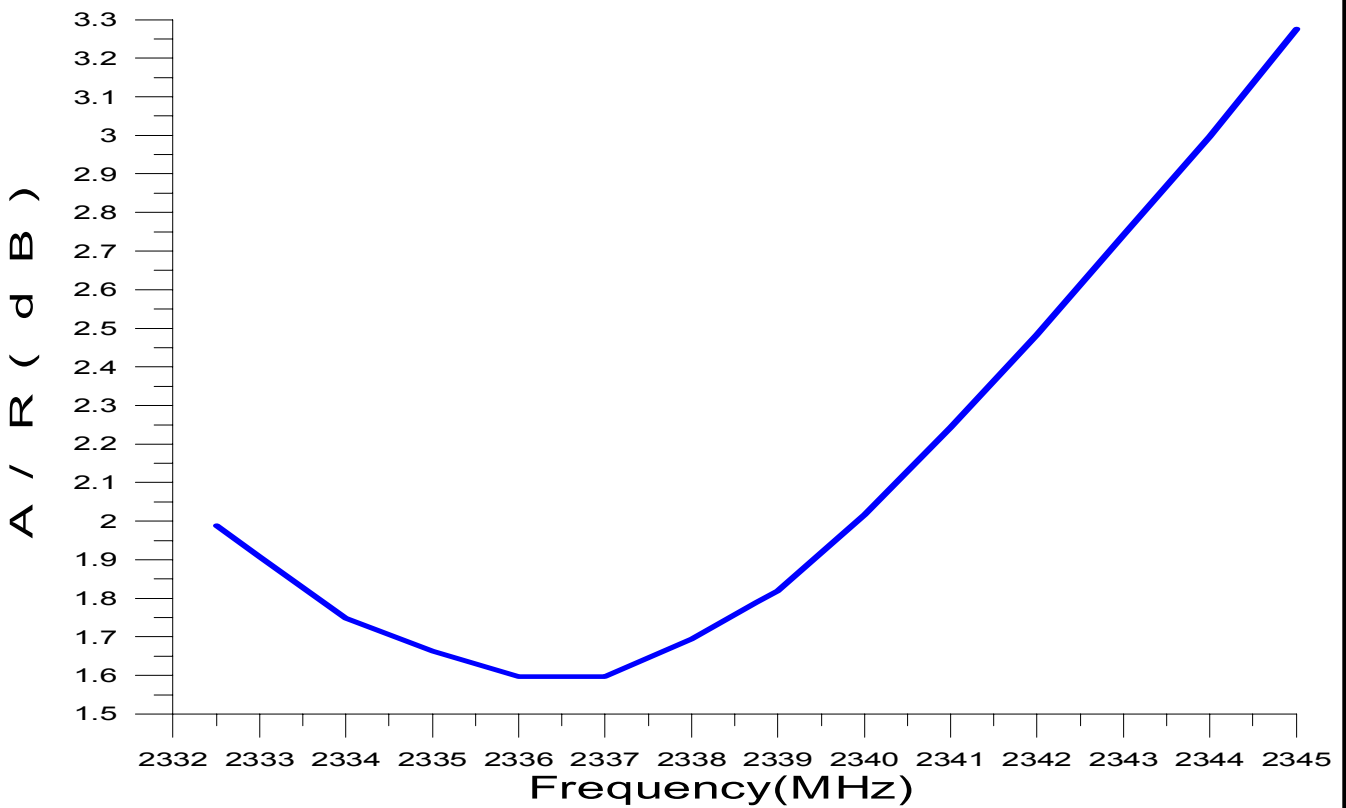
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5. Measured Input Impedance on a Smith Chart



6. Measured Axial Ratio

Unit : (dB)



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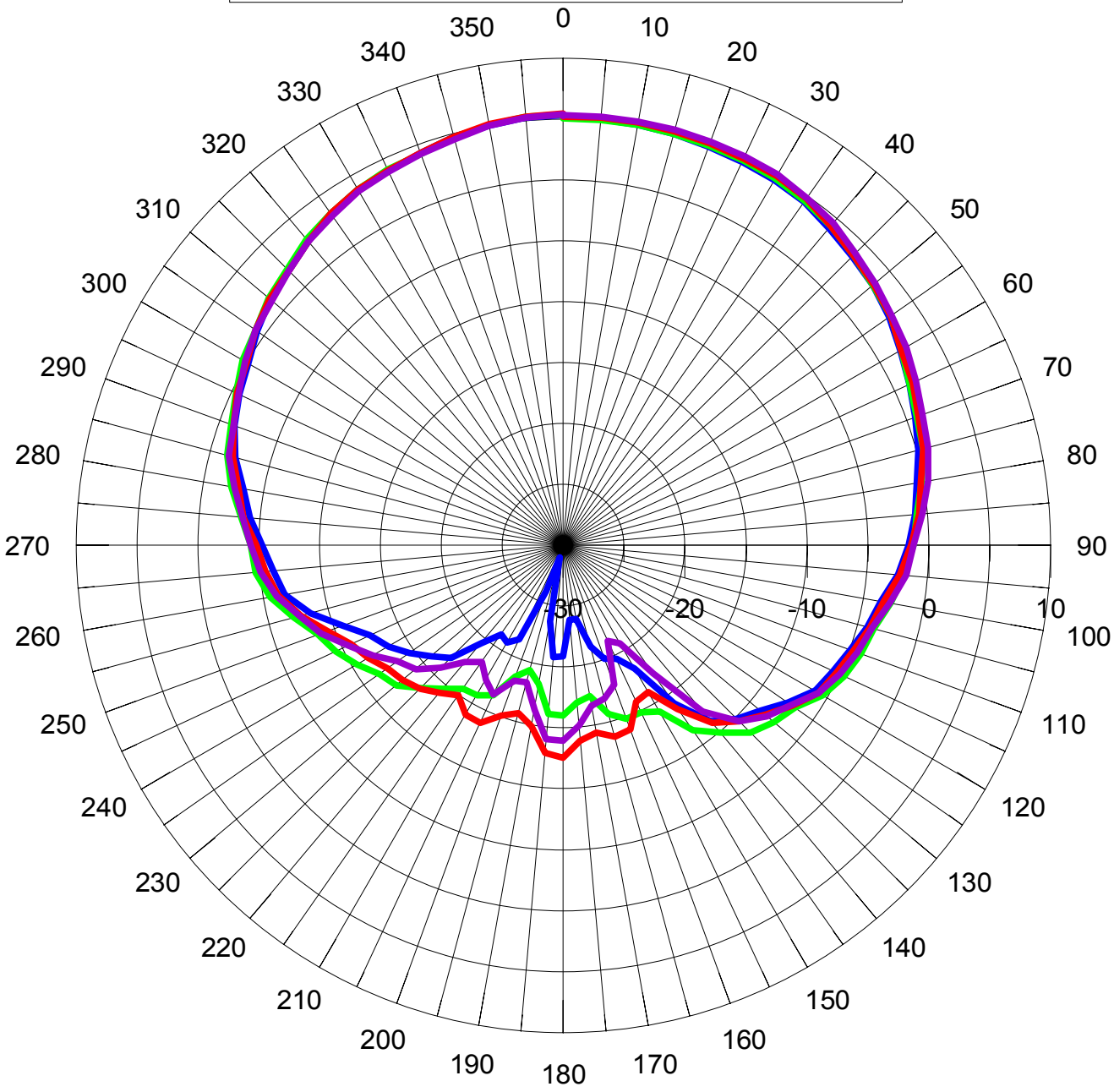
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7.Measured Gain Pattern

Unit : (dBic)

The Measurement Gain Pattern at Center Frequency

- 0° Plane
- 45° Plane
- 90° Plane
- 135° Plane



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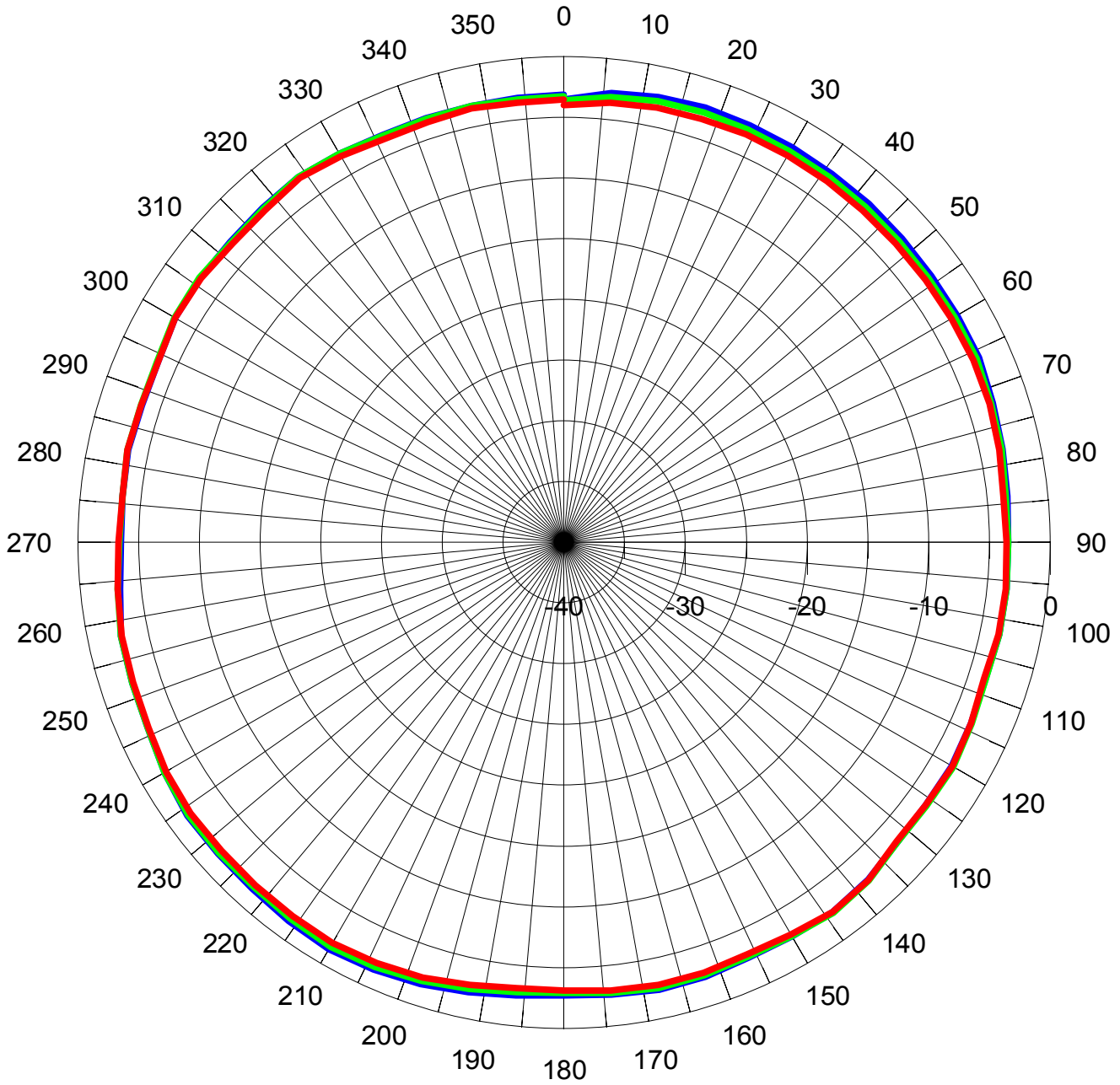
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8. The Measurement Linear Gain Pattern at 0°~10° Elevation: (Unit : dBi)



The Measurement Linear Gain Pattern at 0~10 elevation



- 2332.5 MHz
- 2338.75 MHz
- 2345 MHz



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9.Explanation of Appendix

P A S 2 3 3 9 M Z 5 0 H 4 G - 0 0 - 1 x

 (1) (2) (3) (4) (5)(6)(7) (8) (9)(10)

- (1) PA:**
Ceramic Patch Antenna Series
- (2) S:**
SDARS SIRIUS/XM Antenna
- (3) 2339MZ:**
2338.75MHz for SDARS XM Center Frequency
- (4) 50:**
Impedance Matching 50 Ohm
- (5) H:**
H Type Ceramic Patch Antenna
- (6) 4:**
The Thickness of Ceramic Patch Antenna
- (7) G:**
Green parts (RoHS compliance)
- (8) 00:**
Center Frequency shift
- (9) 1:**
The Ping Length is 3 mm
- (10) x:**
Adhesive Tape Specification

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