PAS2326MPP4.7G-100-ZZS

Engineering Specification

1. Typical Electrical Properties

Symbol	Parameter	Test Condition		Limits			Unit
				Min	Fc	Max	
f_I	Input Frequency	Note: (1)		2320	2326.25	2332.5	MHz
G_{AE}	Antenna Passive Gain (G_{AE} is measured over the entire 12.5 MHz BW)	Elevation angle 90°	Average	6.37	6.44	6.49	dBic
			Max	6.43	6.50	6.56	
			Min	6.30	6.37	6.42	
			Ripl	0.13	0.12	0.14	
		Elevation angle 80°	Average	6.20	6.27	6.32	
			Max	6.61	6.68	6.73	
			Min	5.88	5.92	5.98	
			Ripl	0.73	0.75	0.75	
		Elevation angle 70°	Average	5.60	5.67	5.73	
			Max	6.39	6.45	6.50	
			Min	4.85	4.92	4.98	
			Ripl	1.54	1.53	1.52	
		Elevation angle 60°	Average	4.50	4.57	4.63	
			Max	5.67	5.73	5.81	
			Min	3.39	3.46	3.53	
			Ripl	2.28	2.27	2.28	
		Elevation angle 50°	Average	3.38	3.43	3.48	
			Max	4.70	4.76	4.82	
			Min	2.17	2.25	2.31	
			Ripl	2.53	2.51	2.52	
		Elevation angle 40°	Average	2.09	2.15	2.21	
			Max	3.59	3.63	3.68	
			Min	1.07	1.11	1.16	
			Ripl	2.51	2.52	2.52	
		Elevation angle 30°	Average	0.53	0.59	0.64	
			Max	2.01	2.05	2.12	
			Min	-0.76	-0.74	-0.71	
			Ripl	2.76	2.79	2.83	
		Elevation angle 25°	Average	-0.36	-0.31	-0.25	
			Max	1.07	1.14	1.23	
			Min	-1.82	-1.79	-1.77	
			Ripl	2.89	2.93	3.00	
		Elevation angle 20°	Average	-1.26	-1.20	-1.15	
			Max	0.13	0.22	0.33	
			Min	-2.89	-2.85	-2.83	
			Ripl	3.02	3.07	3.16	

Note: (1) Patch Antenna is Located on 70*70 mm Ground
PAS2326MPP4.7G-100-ZZS, G : Green parts (RoHS compliance)
-100 are the code of project number, -ZZS show of appendix

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DESIGNED BY：鄭大福 APPROVED BY：曾源標	
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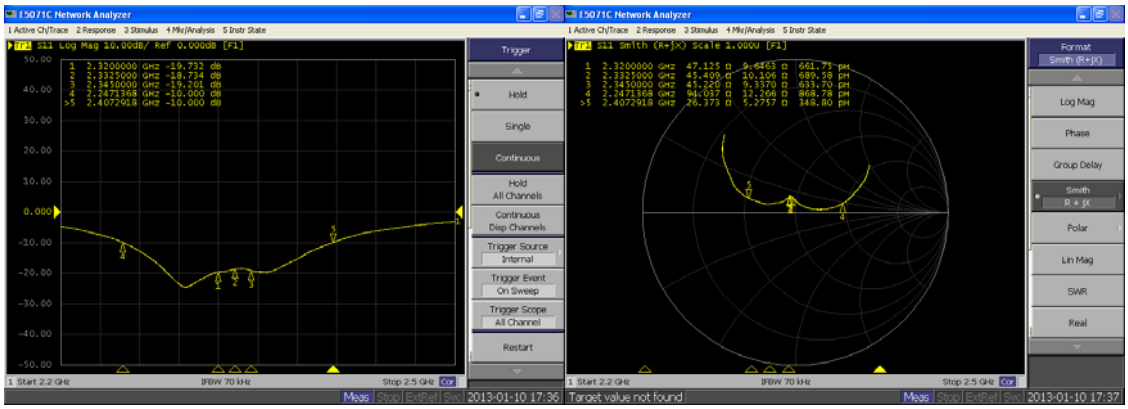
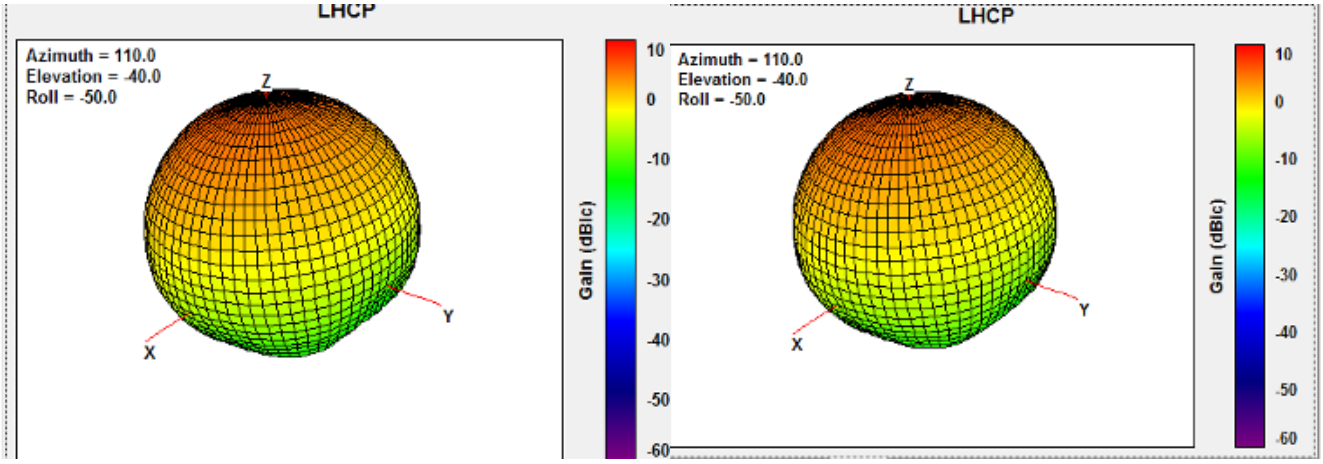
2. Patch Antenna Performance and Characteristic Data on 70*70 mm Ground

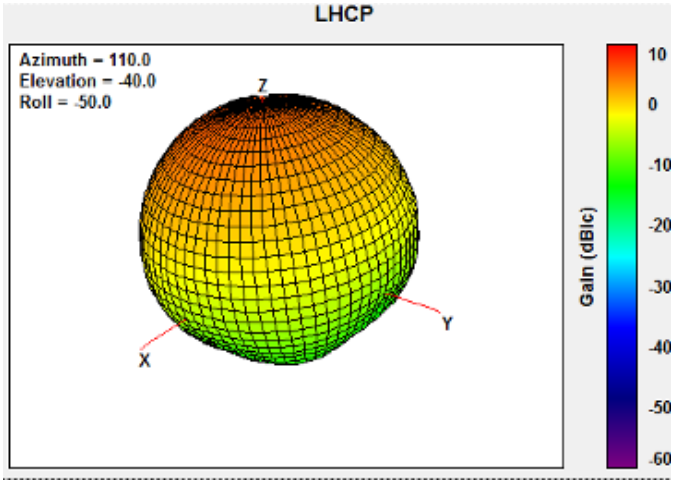
2.1 Smith Chart/S_{11}



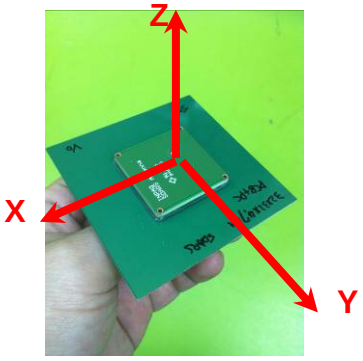
2.2 3D Circular Polarization Gain Pattern: LHCP (Unit : dBic)



2320 MHz 2326.25 MHz



2332.5 MHz



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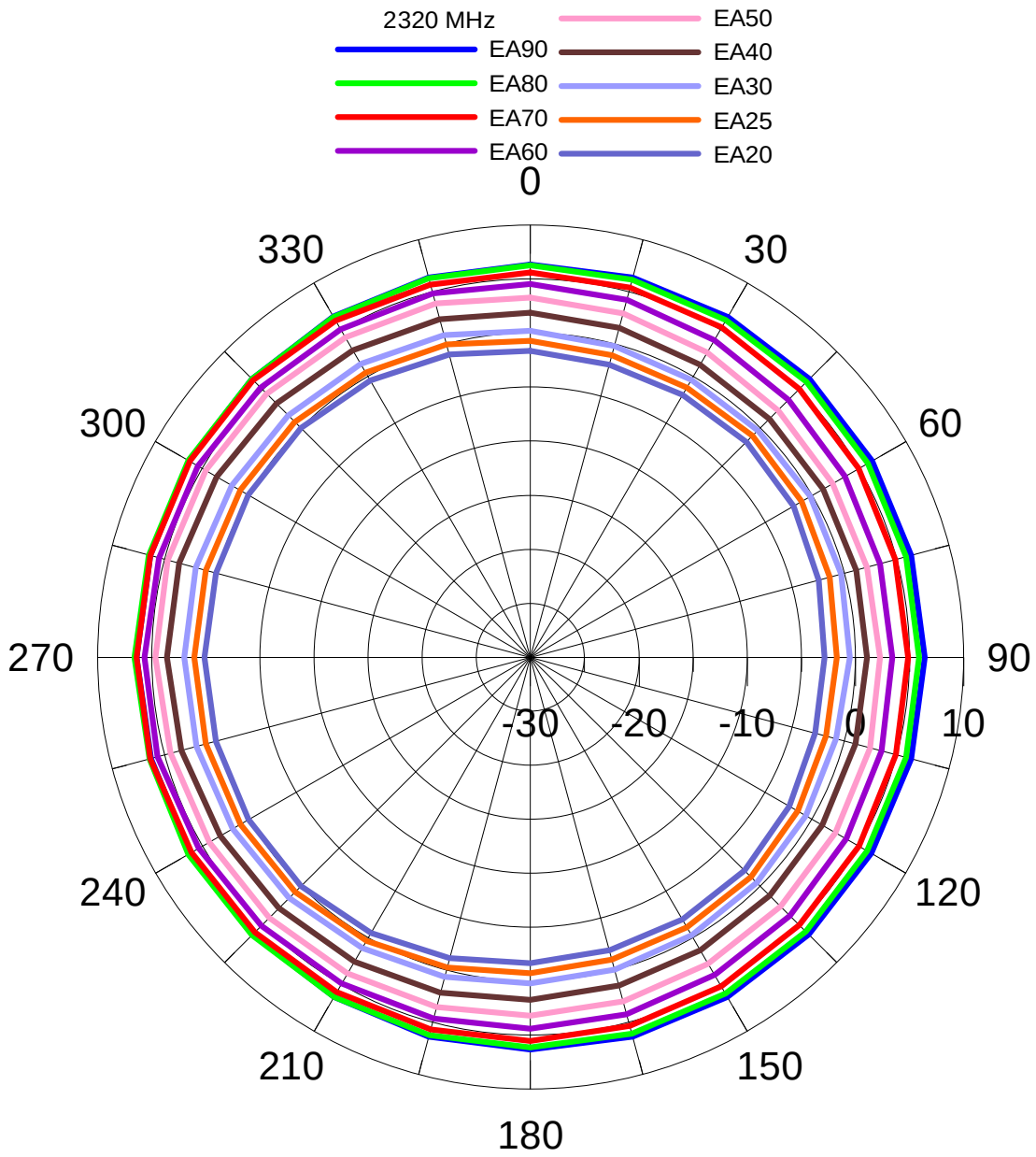
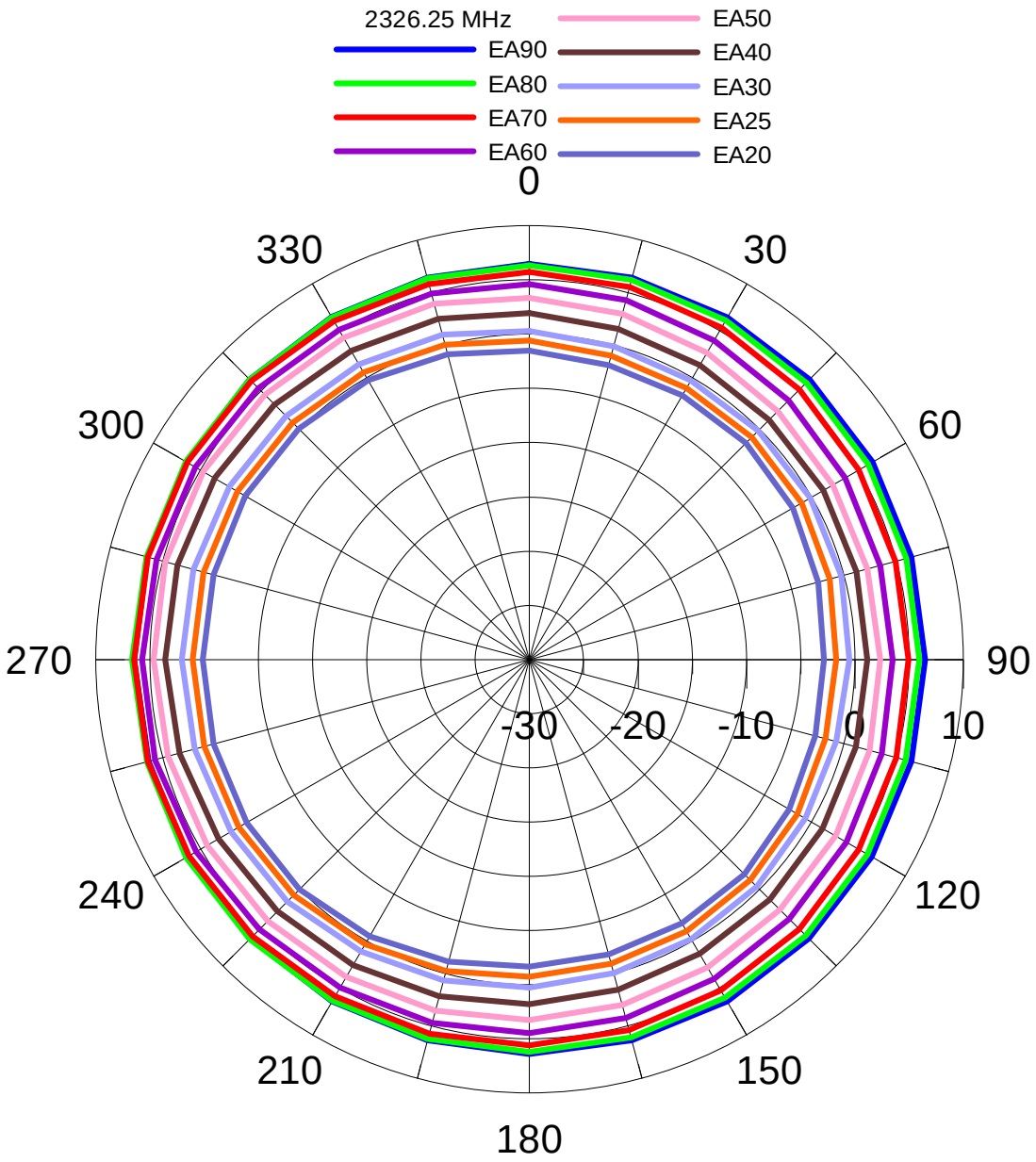
2.3 Elevation Angle Gain Pattern (Unit : dBic)



2320 MHz	Average	Max	Min	Ripl
Elevation Angle 90°	6.37	6.43	6.30	0.13
Elevation Angle 80°	6.20	6.61	5.88	0.73
Elevation Angle 70°	5.60	6.39	4.85	1.54
Elevation Angle 60°	4.50	5.67	3.39	2.28
Elevation Angle 50°	3.38	4.70	2.17	2.53
Elevation Angle 40°	2.09	3.59	1.07	2.51
Elevation Angle 30°	0.53	2.01	-0.76	2.76
Elevation Angle 25°	-0.36	1.07	-1.82	2.89
Elevation Angle 20°	-1.26	0.13	-2.89	3.02



2326.25 MHz	Average	Max	Min	Ripl
Elevation Angle 90°	6.44	6.50	6.37	0.12
Elevation Angle 80°	6.27	6.68	5.92	0.75
Elevation Angle 70°	5.67	6.45	4.92	1.53
Elevation Angle 60°	4.57	5.73	3.46	2.27
Elevation Angle 50°	3.43	4.76	2.25	2.51
Elevation Angle 40°	2.15	3.63	1.11	2.52
Elevation Angle 30°	0.59	2.05	-0.74	2.79
Elevation Angle 25°	-0.31	1.14	-1.79	2.93
Elevation Angle 20°	-1.20	0.22	-2.85	3.07

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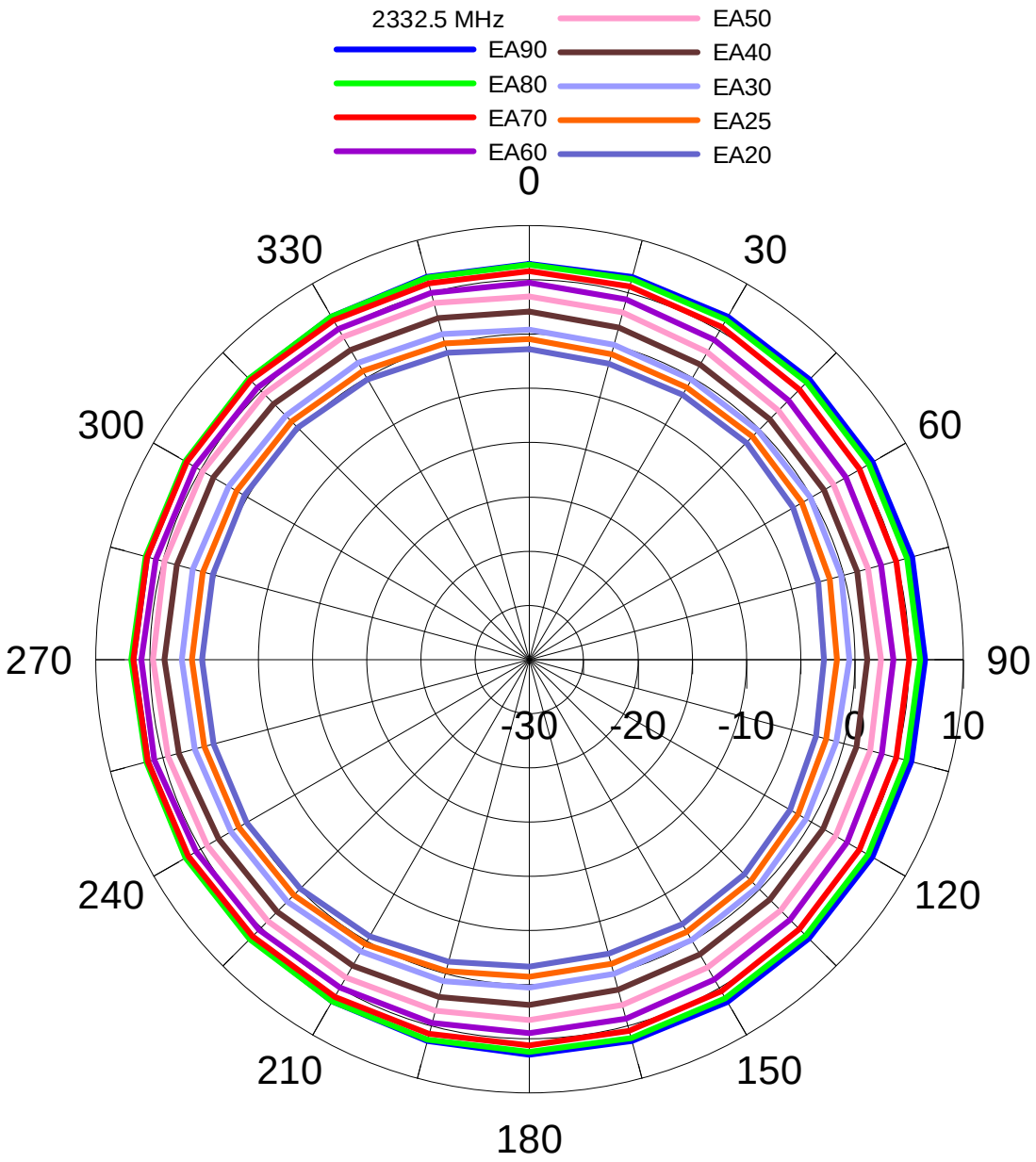

2332.5 MHz	Average	Max	Min	Ripl
Elevation Angle 90°	6.49	6.56	6.42	0.14
Elevation Angle 80°	6.32	6.73	5.98	0.75
Elevation Angle 70°	5.73	6.50	4.98	1.52
Elevation Angle 60°	4.63	5.81	3.53	2.28
Elevation Angle 50°	3.48	4.82	2.31	2.52
Elevation Angle 40°	2.21	3.68	1.16	2.52
Elevation Angle 30°	0.64	2.12	-0.71	2.83
Elevation Angle 25°	-0.25	1.23	-1.77	3.00
Elevation Angle 20°	-1.15	0.33	-2.83	3.16

UNLESS OTHER SPECIFIED TOLERANCES ON：
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ANGLES＝± HOLEDIA＝±

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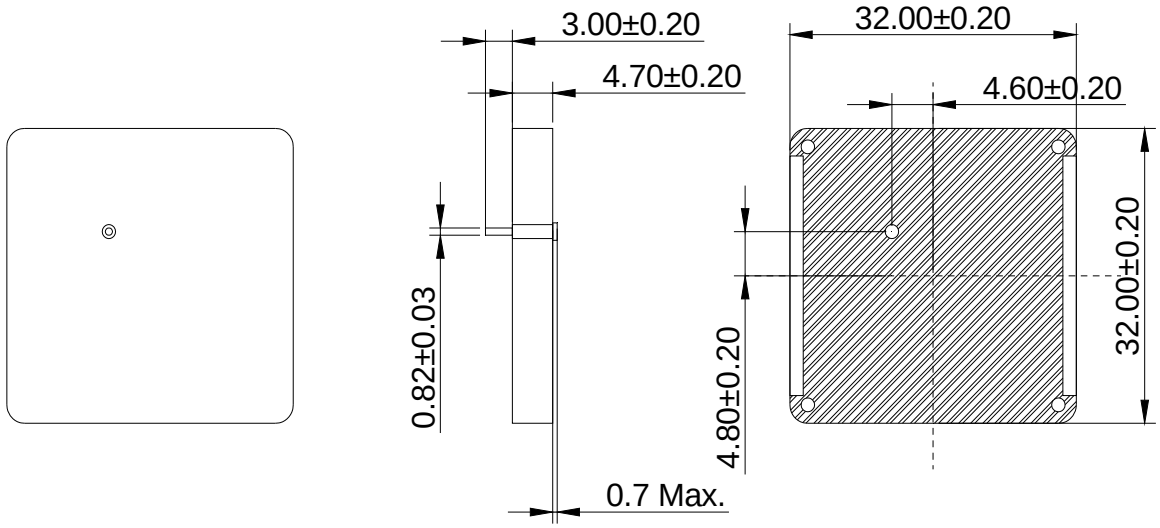
2.4 Antenna on 70*70 mm Ground:

3. Dimension

Unit : mm



Bottom Side Top

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4. Explanation of Appendix

P A S 2 3 2 6 M P P 4 . 7 G - 1 0 0 - Z Z S
(1) (2) (3)

(1) Pin = 3 mm

(2) Adhesive Tape [Z] **22×22mm /32x32 mm**

Adhesive Transfer Tape Specification

2.1 TAPE：Nitto 5000NS 22x22x0.16mm/32x32x0.16mm

2.2 Thickness : 0.16 mm

2.3 Release Liner : 0.1mm (typ.) printed paper or paper

2.4 Dimension : mm

(3) Option appendix [S] **Marking**

Marking configuration

3.1 Logo for INPAQ Logo

3.2 Type

[G] for green product antenna

3.3 Special print text

[2326]

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