

DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
			A1	RELEASE PER ECN # 16-0091	08/17/16	JM

REVISION STATUS	SHT NO. LETTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
		1	1	1	1																			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70

COMPANY CONFIDENTIAL: The information contained herein is the property of Genesis Microwave Corporation. Its use or reproductions is prohibited except as provided for by prior written authorization.	TEST DATA SHEET	
	CONTRACT NO.	
	DRAWN: CAMERON N 12-11-06	
	CHECKED CAMERON N 12-11-06	
	PROJ ENGR JOHN M 12-11-06	
	PROG MGR	
	MFG.ENGR	
	QA ENGR	
	RELIABILITY:	
	CUSTOMER	
POWER AMP ASSY GENESIS MICROWAVE GMPA-1002		

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000027	REVISION A1
	SCALE			SHEET 1 OF 9

S/N: PL20369

SPECIFICATION		TEST DATA		
FREQUENCY		1.00GHz	1.25GHz	1.50GHz
GAIN: 45dBmin 50dBmax		SEE SWEPT DATA		
GAIN FLATNESS: ±1.5dBmax		-54 °C	+25 °C	+85°C
GAIN VARIATION/TEMP 2.0dBmax				
POWER OUTPUT:				
(P.SAT @ +25°C)	41.5 dBm min	+43.43 dBm	+42.91 dBm	+42.86 dBm
(P.SAT @ -54°C)	41 dBm min	+43.27 dBm	+42.63 dBm	+42.26 dBm
(P.SAT @ +85°C)	41 dBm min	+42.59 dBm	+42.42 dBm	+42.12 dBm
VSWR: 2.0 : 1 max		SEE SWEPT DATA		
VSWR:		INPUT VSWR 1.17:1		
VSWR:		OUTPUT VSWR 1.21:1		
DC POWER: +28Vdc 7AMP TYP, 9A MAX		1.95 AMPS	1.83 AMPS	2.31 AMPS

TESTED BY: E.BENSON

DATE: 1/08/2017

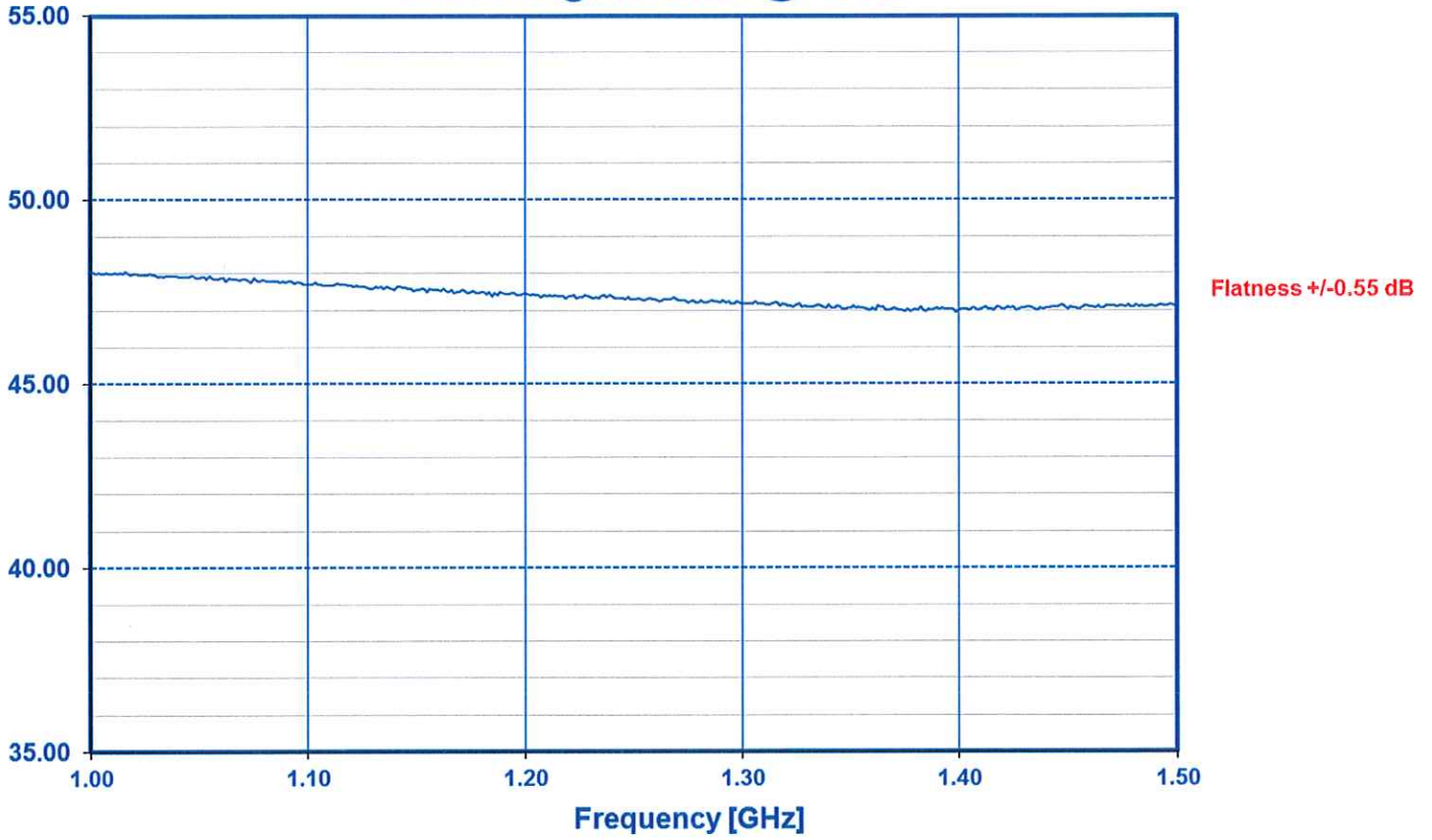
QA BY: *J.R. [Signature]*

DATE: 1/9/17

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000027	REVISION A1
	SCALE			SHEET 2 OF 9

Small Signal Gain @+25C

S/N: PL20369



SIZE
A

CAGE CODE
71A34

DWG. NO.
ETD000027

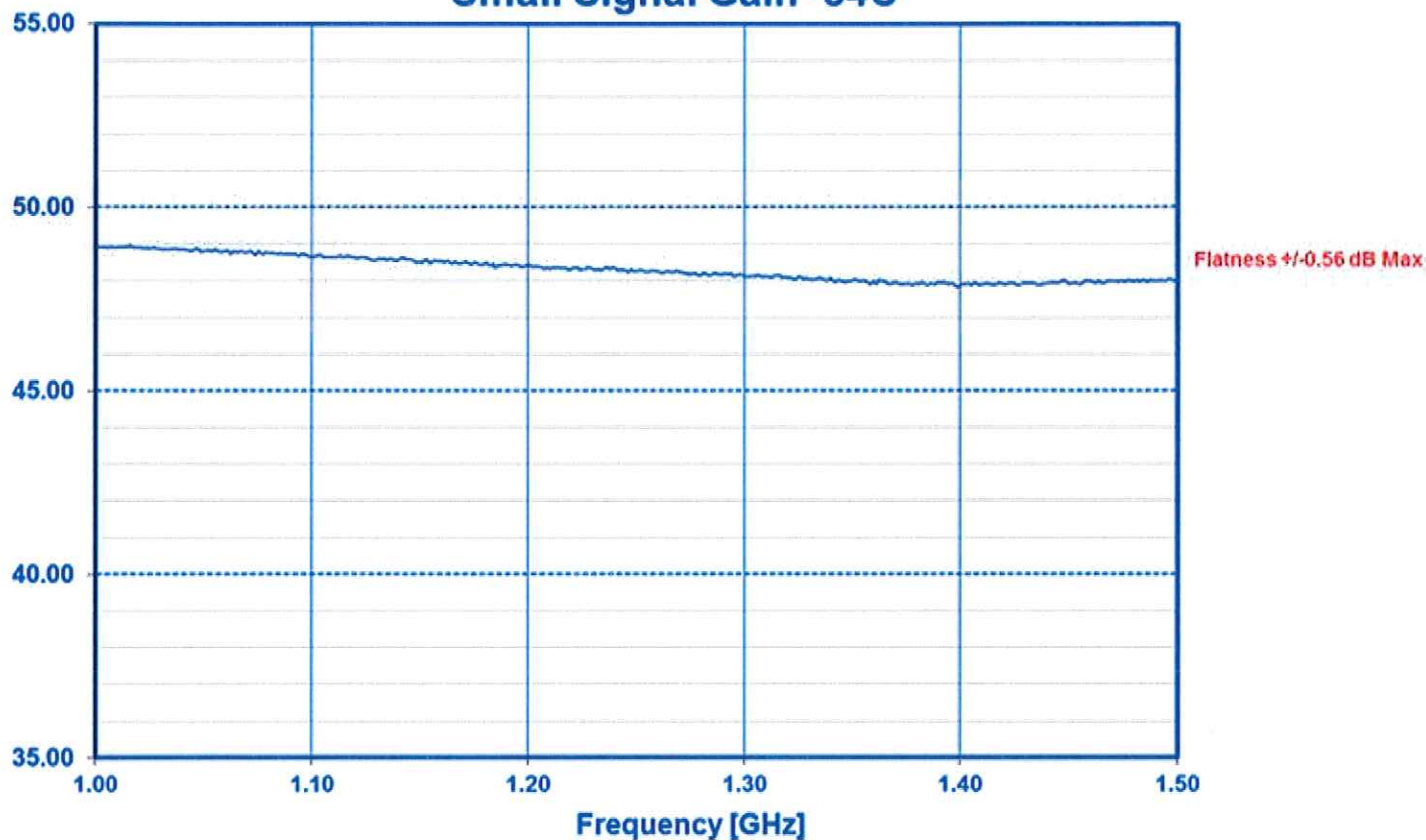
REVISION A1

SCALE

SHEET 3 OF 9

Small Signal Gain -54C

S/N: PL20369



SIZE
A

SCALE

CAGE CODE
71A34

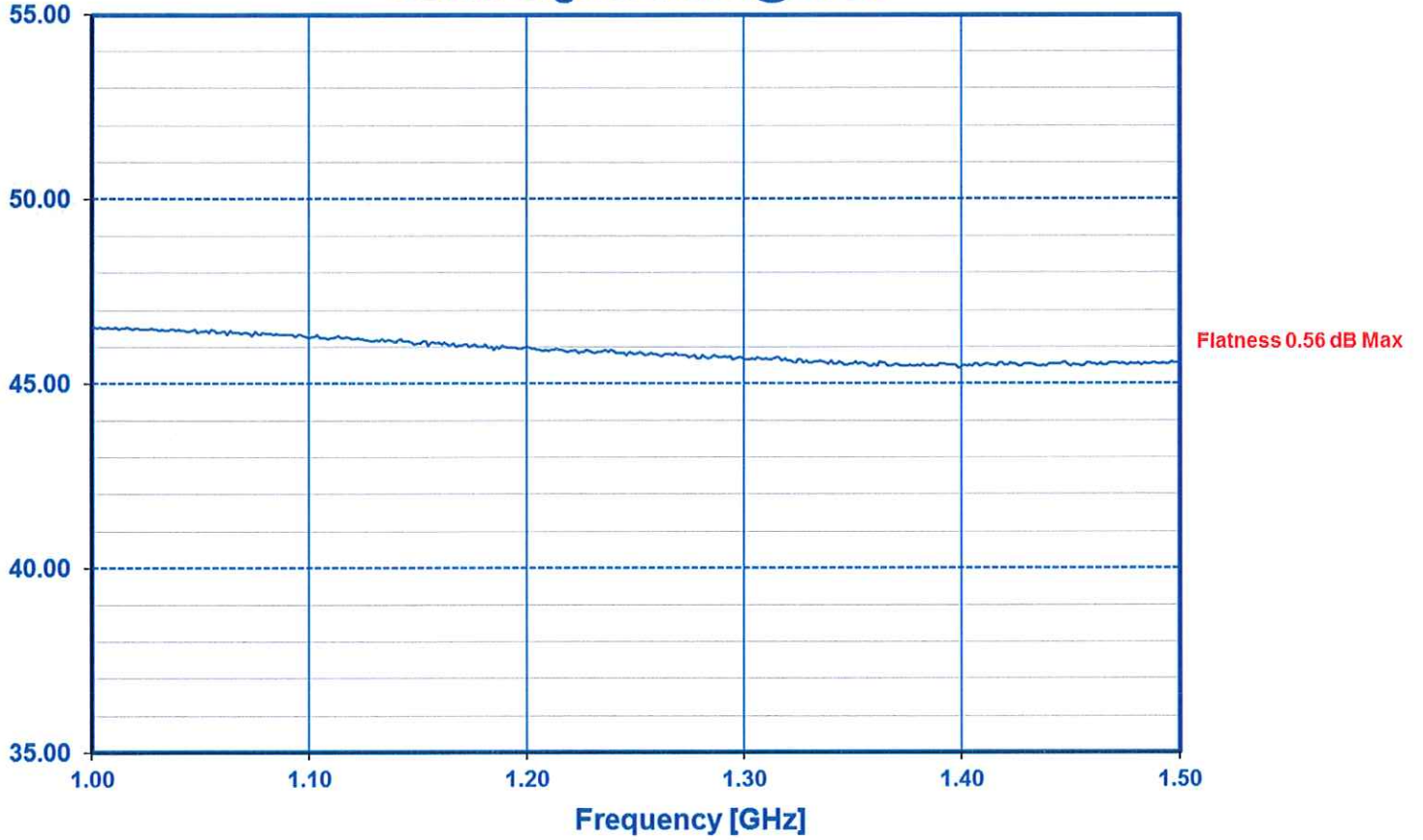
DWG. NO.
ETD000027

REVISION A1

SHEET 4 OF 9

Small Signal Gain @+85C

S/N: PL20369



SIZE

A

SCALE

CAGE CODE

71A34

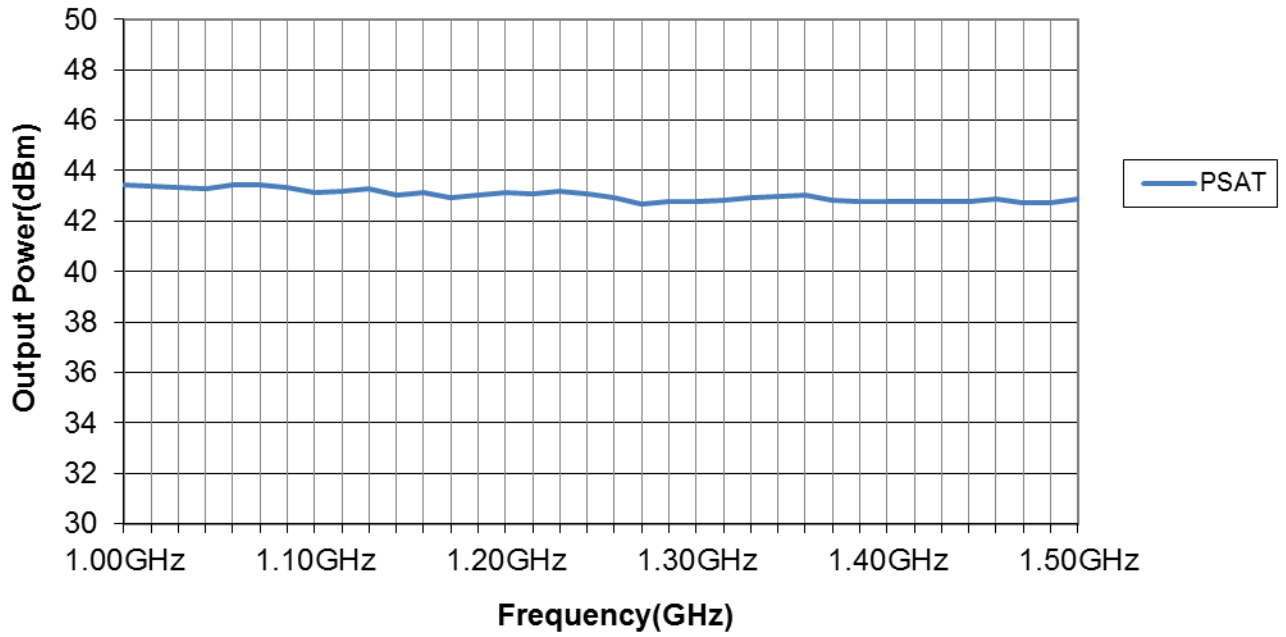
DWG. NO.
ETD000027

REVISION A1

SHEET 5 OF 9

S/N: PL20369

Saturated Output Power vs Frequency @+25C



SIZE
A

CAGE CODE
71A34

DWG. NO.
ETD000027

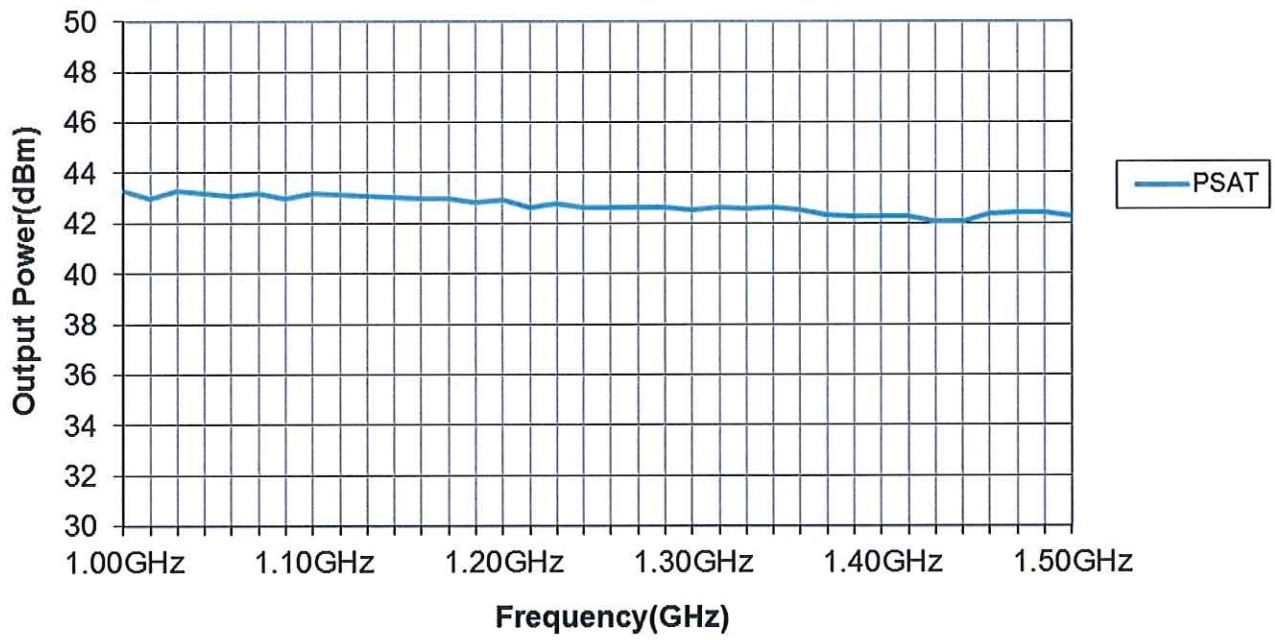
REVISION **A1**

SCALE

SHEET 6 OF 9

S/N: PL20369

Saturated Output Power vs Frequency @-54C



SIZE

A

SCALE

CAGE CODE

71A34

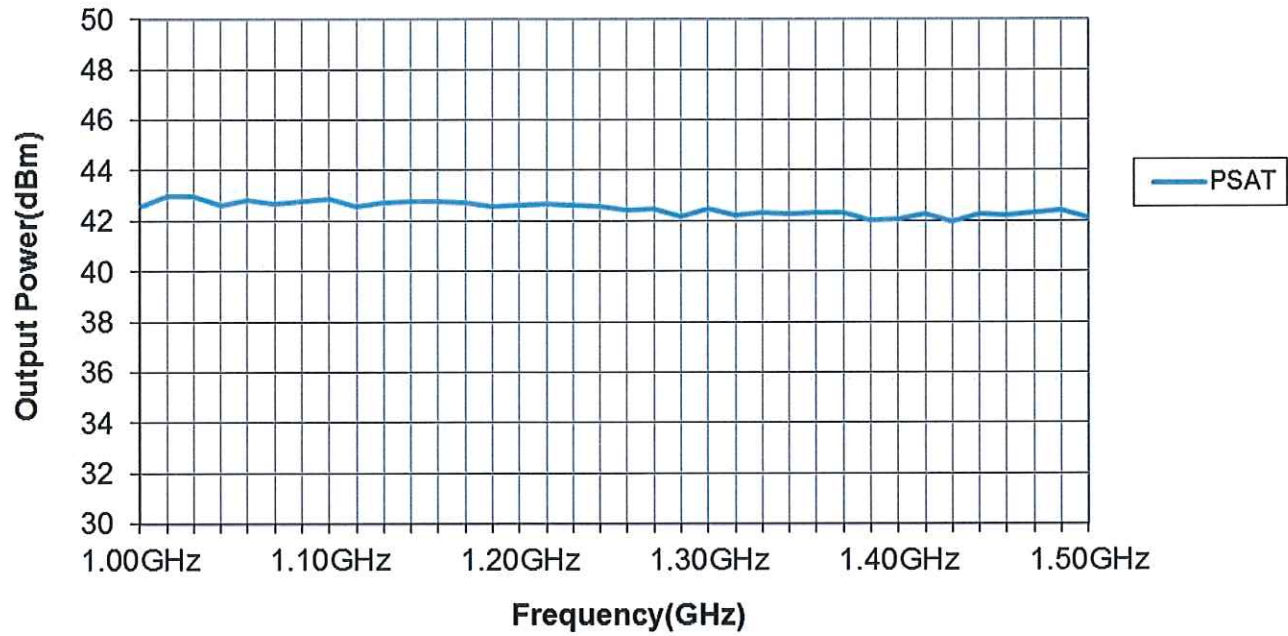
DWG. NO.
ETD000027

REVISION A1

SHEET 7 OF 9

Saturated Output Power vs Frequency @+85C

S/N: PL20369



SIZE
A

CAGE CODE
71A34

DWG. NO.
ETD000027

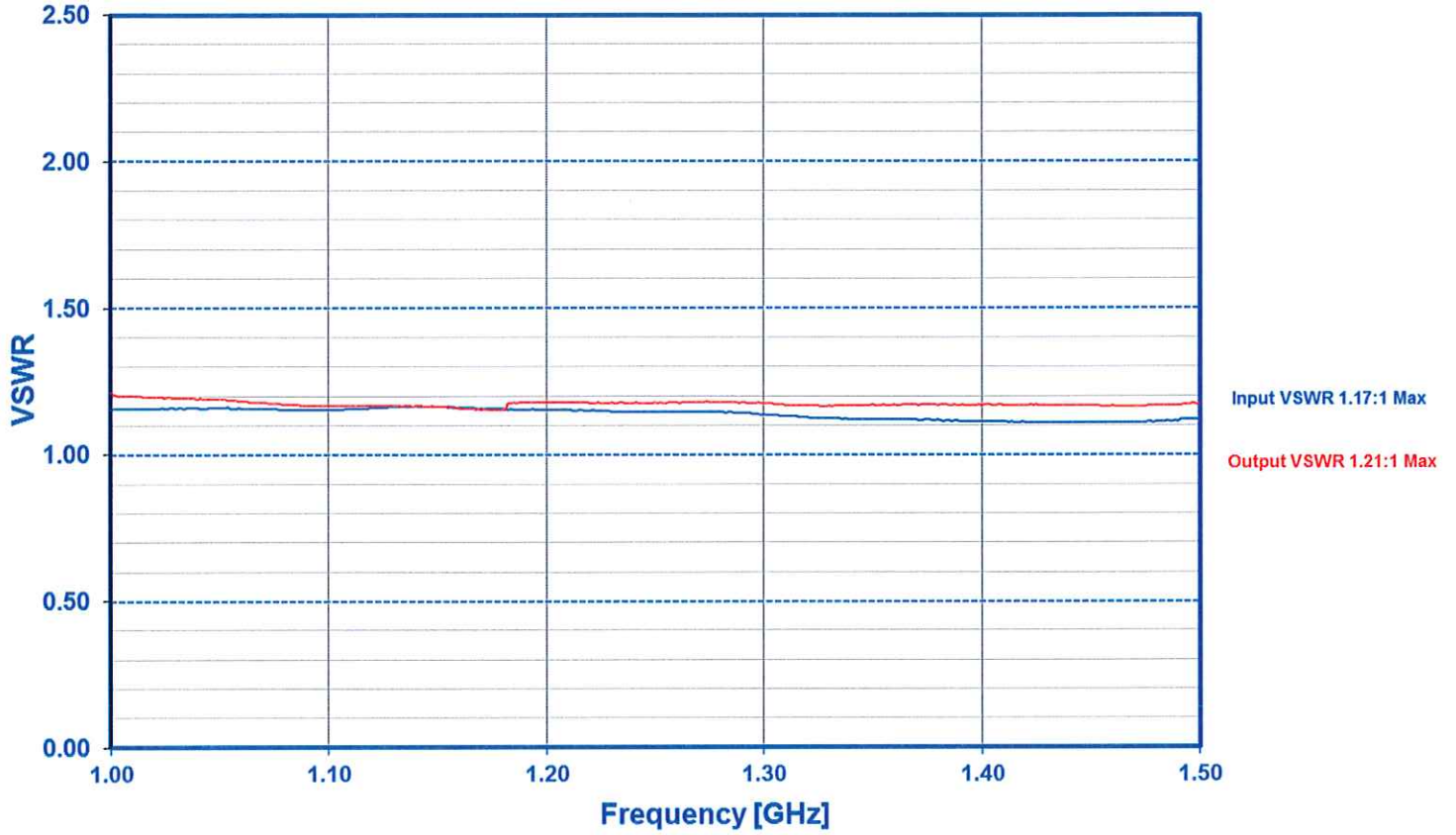
REVISION **A1**

SCALE

SHEET 8 OF 9

VSWR GRAPH

S/N: PL20369



SIZE

A

SCALE

CAGE CODE

71A34

DWG. NO.
ETD000027

REVISION A1

SHEET 9 OF 9