


DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
			1	RELEASE PER ECO 100791	1-9-07	JM
			2	REVISE PER ECO 101093	7-29-13	JM
			A1	ECN # 17-0281	12-29-17	

REVISION	SHT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
STATUS	LETTER	2	2																					
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

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	<b>4921 ROBERT J. MATHEWS PKWY, EL DORADO HILLS CA 95762</b> <b>916-542-1401</b>	
	<b>TEST DATA SHEET</b> <b>THRESHOLD DETECTOR</b> <b>GMTA-1003</b>	
	CONTRACT NO.	
	DRAWN:	CAMERON N 1-09-07
	CHECKED	
	PROJ ENGR	JOHNM 1-09-07
	PROG MGR	
	MFG.ENGR	
	QA ENGR	
RELIABILITY:		
CUSTOMER		

	SIZE <b>A</b>	CAGE CODE <b>71A34</b>	DWG. NO. <b>ETD000030</b>	REVISION <b>A1</b>
	SCALE			SHEET 1 OF 2

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41637

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-40.9 dBm Average
RESPONSE TIME @ TTL " I " / TTL " O "	100 μs max	<10us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	1.98:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	61mA

THRESHOLD SETTING STABILITY  
± 3 dB max OVER FREQUENCY @ TEMPERATURE

FREQ.	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Pin @ 25 ° C	-41.1	-42.7	-40.0	-40.2	-41.2	-40.3
Pin @ 0 ° C	-41.2	-42.9	-40.1	-40.2	-41.4	-40.5
Pin @ 85 ° C	-40.3	-41.9	-39.4	-39.6	-40.4	-39.7



SIZE  
A

CAGE CODE  
71A34

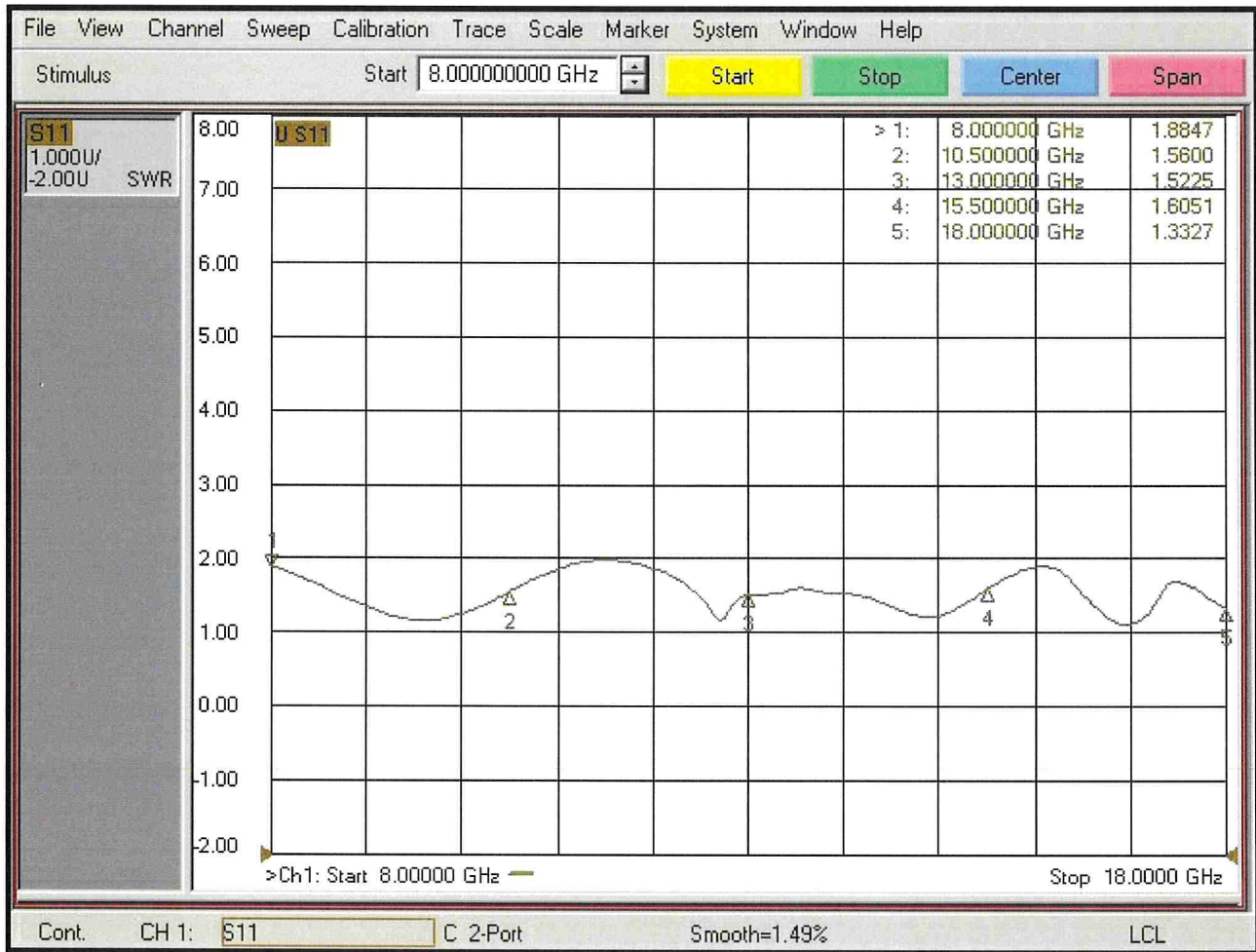
DWG. NO.  
ETD000030

REVISION A1

SCALE

SHEET 2 OF 2

Input VSWR



TESTED BY: *[Signature]*  
QA BY: *A Zimmerman*

DATE: 8/18/23  
DATE: 8-18-23

	SIZE <b>A</b>	CAGE CODE <b>71A34</b>	DWG. NO. <b>ETD000030</b>	REVISION <b>A1</b>
	SCALE			SHEET 3 OF 2