Revisions

Rev	Description	Date	Approved
-	DDR 6473 Initialed DWG	6/27/94	C.R.
A	Rev Per ECN W00106	1/28/95	C.R.
B	Rev Per ECN W00177	2/22/95	C.R.
C	Rev Per ECN W00233	4/7/95	C.R.

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Production Test

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Manufacturing

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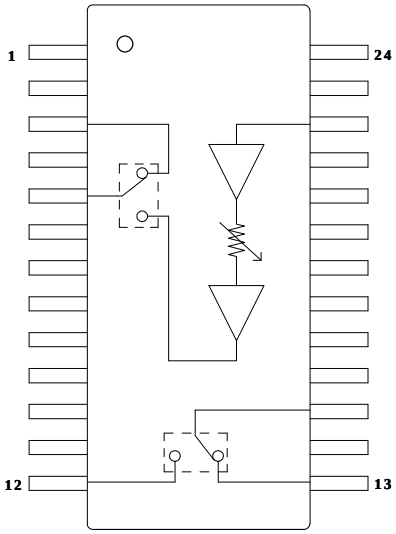
Quality Assurance

TITLE:
PRODUCTION TEST PROCEDURE

CAGE CODE NO.:	DWG. NO.:	REV.: C
96341	**TPAM55-0001**	SHEET NO. 1 OF 3

Production Test Procedure



DUT Pin Number	DUT Pin Name	Handler PCB DC Connector	Manual PCB DC Connector	Sample PCB DC Connector
1	VGG	2	12	2, 11
2	TR CTRL	8	7	8, 10
3	RX OUT	N/A	N/A	N/A
4	GND	Odd pins 3 - 17	1, 20	3, 7, 13, 17
5	PA OUT	N/A	N/A	N/A
6	VDD PA	1	2	1
7	GND	N/A	N/A	N/A
8	ATTN CTRL	4	3	4, 6
9	GND	N/A	N/A	N/A
10	ANT COMMON	N/A	N/A	N/A
11	GND	N/A	N/A	N/A
12	ANT 2	N/A	N/A	N/A
13	ANT 1	N/A	N/A	N/A
14	GND	N/A	N/A	N/A
15	ANT CTRL	18	17	16, 18
16	GND	N/A	N/A	N/A
17	VDD 2	20	19	20
18	GND	N/A	N/A	N/A
19	VDD 1	19	6	5, 9, 17, 19
20	GND	N/A	N/A	N/A
21	GND	N/A	N/A	N/A
22	RF IN	N/A	N/A	N/A
23	GND	N/A	N/A	N/A
24	PA CTRL	14	13	12, 14

Test No.	Parameter	Conditions	Min.	Max.
1	Gain (HI Power) Small Signal	RF Drive ≤ -15 dBm @ Freq = 2450 MHz	23.0 dB	
1a	VGG Currect	VGG = -5V		
2	Gain (Low Power) Small Signal	RF Drive ≤ -15 dBm @ Freq = 2450 MHz	12 dB	
3	TR Switch Loss	RF Drive = -3 dBm ± 5 dB @ Freq = 2450 MHz		2.0 dB
4	TR Switch Iso.	RF Drive = -3 dBm ± 5 dB @ Freq = 2450 MHz	10 dB	
5	Diversity Switch Loss (1)	RF Drive = +20 dBm ± 5 dB @ Freq = 2450 MHz		1.7 dB
6	Diversity Switch Iso. (1)	RF Drive = +20 dBm ± 5 dB @ Freq = 2450 MHz	10 dB	
7	Diversity Switch Loss (2)	RF Drive = +20 dBm ± 5 dB @ Freq = 2450 MHz		1.7dB
8	Diversity Switch Iso. (2)	RF Drive = +20 dBm ± 5 dB @ Freq = 2450 MHz	10 dB	
9	P1dB (HI Power)	RF Drive = -3 dBm @ Freq = 2450 MHz	19 dBm	
9a	Current	VDD1 + VDD2 + VDDPA		200 mA
10	P1dB (Low Power)	RF Drive = -3 dBm @ Freq = 2450 MHz	9 dBm	
11	Second Harmonic (High Power)	RF Drive = -3 dBm @ Freq = 2450 MHz	-12 dBc	
12	Third Harmonic (High Power)	RF Drive = -3 dBm @ Freq = 2450 MHz	-12 dBc	
13 *	Current	VDD1 + VDD2 + VDDPA		5 mA

* Create Bin #2 for parts that fail this parameter, and pass all others.

			Control / Bias							
Test	RF Input	RF Output	T/R Ctrl	Attn Ctrl	Ant Ctrl	PA Ctrl	VDD1	VDD2	VDD PA	VGG
1, 9, 11	PA In	PA Out	Gnd	Gnd	X	Gnd	+5 V	+5 V	+5 V	-5 V
2, 10, 12	PA In	PA Out	Gnd	+5 V	X	Gnd	+5 V	+5 V	+5 V	-5 V
3, 13	PA Out	RX Out	+5 V	X	X	-5 V	+5 V	+5 V	+5 V	-5 V
4	PA Out	RX Out	Gnd	X	X	-5 V	+5 V	+5 V	+5 V	-5 V
5	Ant Common	Ant 1	X	X	Gnd	-5 V	+5 V	+5 V	+5 V	-5 V
6	Ant Common	Ant 1	X	X	+5 V	-5 V	+5 V	+5 V	+5 V	-5 V
7	Ant Common	Ant 2	X	X	+5 V	-5 V	+5 V	+5 V	+5 V	-5 V
8	Ant Common	Ant 2	X	X	Gnd	-5 V	+5 V	+5 V	+5 V	-5 V

X = Don't Care