

TDFM-9300 TRANSCEIVER

P/N 111267-x

ACCEPTANCE TEST DATA SHEET

DOCUMENT No. 136568
REVISION: J
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TESTED IN ACCORDANCE WITH DOCUMENT NUMBER: 136567 Rev. ____	ACCEPT	<input type="checkbox"/>	SERIAL NUMBER	
	REJECT	<input type="checkbox"/>		
TEST TECHNICIAN:			DATE:	
QUALITY CONTROL:			DATE:	



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TDFM-9300 TEST DATA SHEET

Power up Tests:

Software Version:	MN:	FP:
Model Number displayed at start up:		
Current Draw during normal display:		mA
Heatsink Fan is turning:		Y/N

Modules 1 - 4 Function Tests:

TESTS	Module 1	Module 2	Module 3	Module 4	
Maximum RXA Level:					Vrms
Audio Distortion at Volume 35:					%
RX SINAD at -116 dBm:					dB
RX Indicator:					Y/N
Channel Selector works:					Y/N
Dimmer Control works:					Y/N
Soft Keys / Home Key works:					Y/N
TX Indicator:					Y/N
Transmit Frequency:					MHz
DTMF / Number Keys work:					Y/N
Normal Deviation:					±kHz
Maximum Deviation:					±kHz
Transmit Distortion:					%
Transmit Power:	LO				W
Transmit Power:	HI				W

Module 5 Transmit Function Tests:

TX TESTS (Circle Module Type>)	Module 5 Type:			
	T1	T4 T5 T6		
Output Power:	Low	Hi		
30 MHz			W	Low:0.8-1.2 Hi:8.0-10.0
40 MHz			W	
50 MHz			W	
118 MHz			W	Low:0.8-1.2 Hi:3.5-4.5
129 MHz			W	
138 MHz			W	
225 MHz			W	
314 MHz			W	
400 MHz			W	
TX Freq.:			MHz	+/- 300 Hz
TX Indicator			Y/N	
DTMF Keys work			Y/N	
Nominal Deviation:			+/- KHz	2.4 - 5 KHz
Max Deviation:				
30 MHz			KHz	< 5 KHz W
40 MHz			KHz	
50 MHz			KHz	
Modulation Depth:				
118 MHz			%	79-90%
129 MHz			%	
138 MHz			%	
225 MHz			%	
314 MHz			%	
400 MHz			%	
CTCSS Frequency ok:			Y/N	
CTCSS Deviation:			Hz	450-850 Hz
DPL Code correct:			Y/N	
DPL Deviation:			Hz	450-850 Hz
Side Tone level:			Vrms	0.78-1.3V
TX Audio Distortion FM:			%	<5%
TX Audio Distortion AM:			%	
TX Hum & Noise FM:			dB	
TX Hum & Noise AM:			dB	

Module 5 Receive Function Tests:

RX TESTS (Circle Module Type>)	Module 5 Type:			
	T1	T4	T5 T6	
RX Sensitivity:				
30 MHz			uV	<0.4uV
40 MHz			uV	
50 MHz			uV	
118 MHz			uV	<2uV
129 MHz			uV	
138 MHz			uV	
225 MHz			uV	<5uV
314 MHz			uV	
400 MHz			uV	
Max RXA Level FM:			Vrms	>4.5V
Max RXA Level AM:			Vrms	>4.5V
RX Audio Distortion FM:			%	<5%
RX Audio Distortion AM:			%	<5%
RX Indicator:			Y/N	
RX Audio Signal to Noise FM:			dB	
RX Audio Signal to Noise AM:			dB	

Antenna Tuner Output (VLO Only):

Antenna Tuner Port Truth Table (- = OFF)						
Band Segment (MHz)	40 MHz	20 MHz	10 MHz	8 MHz	4 MHz	PASS Y/N
30-33.9975	-	ON	ON	-	-	
34-37.9975	-	ON	ON	-	ON	
38-39.9975	-	ON	ON	ON	-	
40-43.9975	ON	-	-	-	-	
44-47.9975	ON	-	-	-	ON	
48-50	ON	-	-	ON	-	

Outputs correspond to the above table:		Y/N
Tune Indicator LED lit on jig when keyed:		Y/N
TUNE Indicator on radio displayed when keyed:		Y/N

MCP Mod 14 Tests:

B7/B8 External PTT works:		Y/N
B7 Mic Audio works:		Y/N
B8 Mic Audio works:		Y/N
B7 Sidetone Audio works		Y/N
B8 Sidetone Audio works		Y/N
B7 RX Audio works:		Y/N
B8 RX Audio works:		Y/N
Remote RXD/TXD works:		Y/N

Final Checks:

Combined Audio Ports work:		Y/N
Keyloading works:		Y/N
FPP works:		Y/N
Check to see if Backlight works:		Y/N
RC-9000 Data Port works:		Y/N
Radio turns off and is drawing no current:		Y/N
Radio looks good - no scratches, etc.:		Y/N
Checked for loose hardware inside:		Y/N