

# TDFM-9200 TRANSCEIVER

P/N 121271-x

## ACCEPTANCE TEST DATA SHEET

DOCUMENT No. 136572  
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TESTED IN ACCORDANCE WITH DOCUMENT NUMBER: 136571 Rev. ____	ACCEPT	<input type="checkbox"/>	SERIAL NUMBER	
	REJECT	<input type="checkbox"/>		
TEST TECHNICIAN:			DATE:	
QUALITY CONTROL:			DATE:	



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## TDFM-9200 TEST DATA SHEET

### Power up Tests:

Software versions:	MN:	FP:
Model number displayed at start up:		
Current draw during normal display:		mA
Heatsink fan is turning:		Y/N

### Module 1 & 2 Function Tests:

	Module 1 Tests	Module 2 Tests		
Maximum RXA Level:			Vrms	>4.5V
Audio Distortion at volume 35:			%	<5%
RX SINAD at -116 dbm:			dB	> 12 dB
RX Indicator:			Y/N	
Channel Selector works:			Y/N	
Dimmer Control works:			Y/N	
Soft Keys and Home Key works:			Y/N	
TX Indicator:			Y/N	
Transmit frequency:			MHz	
DTMF / Number Keys work:			Y/N	
Normal Deviation:			±kHz	
Maximum deviation:			±kHz	<2.5
Transmit distortion:			%	<5%
Transmit power:	LO		W	
Transmit power:	HI		W	

### Module 3 & 5 Transmit Function Tests:

TX TESTS (Circle Module Type>)	Module 3 Type:		Module 5 Type:			
	T1	T4 T5 T6	T1	T4 T5 T6		
Output Power:	Low	Hi	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:	w		w			
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 3 & 5 Receive Function Tests:**

RX TESTS (Circle Module Type>)	Module 3 Type:		Module 5 Type:		
	T1	T4 T5 T6	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 (T1 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 Side tone Audio Works		Y/N
B8 Side tone 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