



## EQUIPMENT TEST REPORT

<b>EQUIPMENT:</b>	YAESU FT-101ZD	<b>SERIAL NUMBER:</b>	060399
<b>TEST DATE:</b>	21/12/24	<b>TESTED BY (CALLSIGN):</b>	VK4YA

1. VISUAL INSPECTION	PASS	FAIL	N/A	N/T	COMMENTS
1.1 External case condition (scratches, dents, etc.)	X				No dents some scratches. One case screw missing
1.2 Front panel knobs, buttons, and switches intact	X				Mode switch noisy change between USB/LSB
1.3 Display condition (burn-in, dead pixels, fading)	X				Brightness varies at times
1.4 Connectors (antenna, power, ground) free from corrosion/damage	X				
1.5 Internal components (e.g., capacitors, solder joints) condition				X	
1.6 Presence of dust build-up or signs of overheating	X				
2. FUNCTIONAL TESTING	PASS	FAIL	N/A	N/T	COMMENTS
2.1 Power-up test (no issues with startup, display visible)	X				
2.2 Tuning dial operation (smooth, no wobbling)	X				
2.3 Frequency synthesizer accuracy (correct frequency display)	X				
2.4 Microphone audio input (clear sound, no distortion)	X				
2.5 Audio output (internal/external speaker) clear, no distortion	X				



Bayside District Amateur Radio Society

2.6 Receiver sensitivity (strong signal reception, no excessive noise)	X				
2.7 Receiver selectivity (adjustable filters working correctly)				X	
2.8 Transmitter power output (meets specs, varies with setting)	X				
2.9.1 Transmitter performance (clean signal) – CW				X	
2.9.2 Transmitter performance (clean signal) – SSB	X				
2.9.3 Transmitter performance (clean signal) – AM				X	
2.10 SWR meter and antenna tuner functionality	X				Meter not always showing Mic audio ALC or Power Out
2.11.1 Transmission modes test (transmission clear) – CW				X	
2.11.2 Transmission modes test (transmission clear) – SSB	X				
2.11.3 Transmission modes test (transmission clear) – AM				X	
2.12 DSP functionality (Noise reduction, AGC, filters working properly)				X	AGC okay. Noise blanker not tested
<b>3. LIVE TESTING</b>	<b>PASS</b>	<b>FAIL</b>	<b>N/A</b>	<b>N/T</b>	<b>COMMENTS</b>
3.1 Power supply stability (no fluctuations under load)	X				
3.2 Cooling fan operation (fan noise, air output, no overheating)	X				
3.3.1 Antenna ports – performance with antenna connected – HF	X				Tested on 20m
3.3.2 Antenna ports – performance with antenna connected – VHF			X		
3.3.3 Antenna ports – performance with antenna connected - UHF			X		
3.4 Compatibility with external accessories (speaker, VFO, etc.)	X				



Bayside District Amateur Radio Society

3.5 Keypad and memory functionality (store and recall frequencies)			X		
3.6 VFO stability (no drift after extended operation)	X				
3.7 Heat generation (transceiver stays cool during prolonged operation)	X				
3.8 Electrical safety				X	
<b>4. ADDITIONAL CONSIDERATIONS</b>	<b>PASS</b>	<b>FAIL</b>	<b>N/A</b>	<b>N/T</b>	<b>COMMENTS</b>
4.1 Service history available? (Any past repairs or modifications)			X		
4.2 Age and usage condition (excessive wear, previous use)	X				
4.3 Manual and accessories (included and in good condition)	X				Available to download
<b>5. SUMMARY AND RECOMMENDATIONS</b>					
5.1 Overall condition		5.2 Additional comments			
Excellent					
Very good					
Good	x				
Fair					
Needs repair					
Suitable for parts					

## 6. PHOTOGRAPHS

### 6.1 Front panel



## 6.2 Back panel



6.3 Case



