

**TMV7A.EXE**  
**SOFTWARE TEST PROCEDURES**  
**VOL 6.2**  
**FAV DATA ENTRY FORM**

Ver 1.0.0  
20 Jun 2013

## INITIAL DISPLAY

1. Launch the TMV7A application.
2. Ensure that a copy of the TMV file **Default.tmv** is loaded..
3. Right-click **Favourite button 1**.

### Data Entry Area

4. Ensure the **Favourite Button Data Entry Form** is displayed. \_\_\_\_\_

5. Ensure the **Source** edit box

displays the text **FAV1**.  
Is **disabled**  
Is **yellow**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Ensure the **RX Frequency** edit box is

**Blank**  
**Enabled**  
**White**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Ensure the **TX Frequency** edit box is

**Blank**  
**Disabled**  
**Yellow**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Ensure the **Scan button** is enabled. \_\_\_\_\_

9. Ensure the **Channel Name** edit box is

**Blank**  
**Enabled**  
**White**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. Ensure the **Comments** edit box is

**Blank**  
**Enabled**  
**White**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. Ensure the cursor is in the centre of the **RX Frequency** edit box. \_\_\_\_\_

### Band Selection Panel

12. Ensure the **VHF radio button** is selected.

\_\_\_\_\_

#### **Shift Panel**

13. Ensure the **Simplex radio button** is selected.

\_\_\_\_\_

14. Ensure the **Offset edit box** is

**Blank**  
**Disabled**  
**Yellow**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### **Tones Selection Panel**

15. Ensure the **None radio button** is selected.

\_\_\_\_\_

16. Ensure the **Tone Frequency drop-down list** selection is blank.

\_\_\_\_\_

17. Ensure the **DTSS check box** is not checked.

\_\_\_\_\_

18. Ensure the **DTSS Code edit** box is

**Blank**  
**Disabled**  
**Yellow**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### **Command Buttons**

19. Ensure the **Save button** is enabled.

\_\_\_\_\_

20. Ensure the **Clear button** is enabled.

\_\_\_\_\_

21. Ensure the **Reset button** is enabled.

\_\_\_\_\_

22. Ensure the **Cancel button** is enabled.

\_\_\_\_\_

### **TAB ORDER**

23. Ensure the cursor is in the **RX Frequency edit box**.

24. Select the **<Tab>** key,

25. Ensure the focus moves to the **Simplex radio button**.

\_\_\_\_\_

26. Select the **<Tab>** key.

- 27. Ensure the focus moves to the **Plus radio button**. \_\_\_\_\_
- 28. Select the <**Tab**> key.
- 29. Ensure the focus moves to the **Minus radio button**. \_\_\_\_\_
- 30. select the <**Tab**> key.
- 31. Ensure the focus moves to the **None radio button**. \_\_\_\_\_
- 32. Select the <**Tab**> key.
- 33. Ensure the focus moves to the **Tone radio button**. \_\_\_\_\_
- 34. Select the <**Tab**> key.
- 35. Ensure the focus moves to the **CTCSS radio button**. \_\_\_\_\_
- 36. Select the <**Tab**> key.
- 37. Ensure the focus moves to the **Tone Frequency combo box**. \_\_\_\_\_
- 38. Select the <**Tab**> key.
- 39. Ensure the focus moves to the **DTSS check box**. \_\_\_\_\_
- 40. Select the <**Tab**> key.
- 41. Ensure the focus moves to the **Low radio button**. \_\_\_\_\_
- 42. Select the <**Tab**> key.
- 43. Ensure the focus moves to the **Medium radio button**. \_\_\_\_\_
- 44. elect the <**Tab**> key.
- 45. Ensure the focus moves to the **High radio button**. \_\_\_\_\_
- 46. Select the <**Tab**> key.
- 47. Ensure the focus moves to the **Scan check box**. \_\_\_\_\_
- 48. Select the <**Tab**> key.
- 49. Ensure the focus moves to the **Channel Name edit box**. \_\_\_\_\_

50. Select the <Tab> key.
51. Ensure the focus moves to the **Comments edit box**. \_\_\_\_\_
52. Select the <Tab> key.
53. Ensure the focus moves to the **VHF radio button**. \_\_\_\_\_
54. Select the <Tab> key.
55. Ensure the focus moves to the **UHF radio button**. \_\_\_\_\_
56. Select the <Tab> key.
57. Ensure the focus moves to the **Save button**. \_\_\_\_\_
58. Select the <Tab> key.
59. Ensure the focus moves to the **Clear button**. \_\_\_\_\_
60. Select the <Tab> key.
61. Ensure the focus moves to the **Reset button**. \_\_\_\_\_
62. Select the <Tab> key.
63. Ensure the focus moves to the **Cancel button**. \_\_\_\_\_
64. Select the <Tab> key.
65. Ensure the focus moves to the **RX Frequency edit box**. \_\_\_\_\_
66. Select the <Shift-Tab> keys,
67. Ensure the focus moves to the **Cancel button**. \_\_\_\_\_
68. Select the <Shift-Tab> keys.
69. Ensure the focus moves to the **Reset button**. \_\_\_\_\_
70. Select the <Shift-Tab> keys.
71. Ensure the focus moves to the **Clear button**. \_\_\_\_\_

72. select the <**Shift-Tab**> keys.
73. Ensure the focus moves to the **Save button**. \_\_\_\_\_
74. Select the <**Shift-Tab**> keys.
75. Ensure the focus moves to the **UHF radio button**. \_\_\_\_\_
76. Select the <**Shift-Tab**> keys.
77. Ensure the focus moves to the **VHF radio button**. \_\_\_\_\_
78. Select the <**Shift-Tab**> keys.
79. Ensure the focus moves to the **Comments edit box**. \_\_\_\_\_
80. Select the <**Shift-Tab**> keys.
81. Ensure the focus moves to the **Channel Name edit box**. \_\_\_\_\_
82. Select the <**Shift-Tab**> keys.
83. Ensure the focus moves to the **Scan check box**. \_\_\_\_\_
84. Select the <**Tab**> key.
85. Ensure the focus moves to the **High radio box**. \_\_\_\_\_
86. Select the <**Shift-Tab**> keys. \_\_\_\_\_
87. Ensure the focus moves to the **Medium radio box**. \_\_\_\_\_
88. Select the <**Shift-Tab**> keys
89. Ensure the focus moves to the **Low radio button**. \_\_\_\_\_
90. Select the <**Shift-Tab**> keys.
91. Ensure the focus moves to the **DTSS Check box**. \_\_\_\_\_
92. Select the <**Shift-Tab**> keys.
93. Ensure the focus moves to the **Tone Frequency combo box**. \_\_\_\_\_

94. Select the <**Shift-Tab**> keys.
95. Ensure the focus moves to the **CTCSS radio button**. \_\_\_\_\_
96. Select the <**Shift-Tab**> keys.
97. Ensure the focus moves to the **Tone radio button**. \_\_\_\_\_
98. Select the <**Shift-Tab**> keys.
99. Ensure the focus moves to the **None radio button**. \_\_\_\_\_
100. Select the <**Shift-Tab**> keys.
101. Ensure the focus moves to the **Minus radio button**. \_\_\_\_\_
102. Select the <**Shift-Tab**> keys.
103. Ensure the focus moves to the **Plus radio button**. \_\_\_\_\_
104. Select the <**Shift-Tab**> keys.
105. Ensure the focus moves to the **Simplex radio button**. \_\_\_\_\_
106. Select the <**Shift-Tab**> keys.
107. Ensure the focus moves to the **RX Frequency edit box**. \_\_\_\_\_

### **RX FREQUENCY VALIDATION**

108. Select the **Save button**..
109. Ensure the error message “**Invalid VHF RX Frequency.**” is displayed. \_\_\_\_\_
110. Dismiss the error message.
111. Ensure the error message is dismissed. \_\_\_\_\_
112. Ensure the cursor is in the centre of the **RX Frequency edit box**. \_\_\_\_\_
113. Attempt to enter “**A**” into the **RX Frequency edit box**.
114. Ensure you **cannot** enter it. \_\_\_\_\_

115.Attempt to enter @ into the **RX\_Frequency edit box**.

116.Ensure you **cannot** enter it.

117.Enter **"1"** into the **RX Frequency edit box**

118.Select the **Save button**.

119.Ensure the error message **Invalid VHF RX Frequency..** is displayed.

120.Dismiss the error message.

121.Ensure the **RX Frequency edit box** still contains **1**.

122.Attempt to enter **"1464"** into the **RX Frequency edit box**

123.Ensure you **cannot** enter the last digit (**4**).

124.Ensure the **RX Frequency edit box** contains **146**.

125.Enter **"146.49"** into the **RX Frequency edit box**

126.Select the **Save button**.

127.Ensure the error message **Invalid VHF RX Frequency** is displayed.

128.Dismiss the error message.

129.Enter **"146.490"** into the **RX Frequency edit box**

130.Select the **Save button**.

131.Ensure the error message **"Invalid Channel Name..."** is displayed.

132.Dismiss the error message.

133.Ensure the frequency **146.490** is displayed in the **TX Frequency edit box**.

**Validate VHF Frequency range (118.0 to 173.999)**

134.Enter **117.999** into the **RX Frequency edit box**.

135.Select the **Save button**.

136.Ensure the error message **"Invalid VHF RX Frequency.. "** is displayed.



137. Dismiss the error message.

138. Ensure the **RX Frequency edit box** displays **117.999**.

\_\_\_\_\_

139. Ensure the **TX Frequency edit box** is blank.

\_\_\_\_\_

140. Enter **174.000** into the **RX Frequency edit box**.

141. Select the **Save button** edit box.

142. Ensure the error message "**Invalid VHF RX Frequency...**" is displayed.

\_\_\_\_\_

143. Dismiss the error message.

144. Ensure the **RX Frequency edit box** displays **174.000**.

\_\_\_\_\_

145. Ensure the **TX Frequency edit box** is blank.

\_\_\_\_\_

146. Enter **118.000** into the **RX Frequency edit box**.

147. Select the **Save button**.

148. Ensure the error message "**Invalid Channel Name...**" is displayed.

\_\_\_\_\_

149. Dismiss the error message.

150. Ensure the **TX Frequency edit box** displays **118.000**.

\_\_\_\_\_

151. Enter **173.999** into the **RX Frequency edit box**.

152. Select the **Save button**

153. Ensure the error message "**Invalid Channel Name...**" is displayed.

\_\_\_\_\_

154. Dismiss the error message.

155. Ensure the **TX Frequency edit box** displays **173.999**.

\_\_\_\_\_

**Validate UHF Frequency range (410.0 to 469.999)**

156. Select the **UHF radio button** in the Band Selection panel.

157. Answer **Yes** to the error message.

158. Enter **409.999** into the **RX Frequency edit box**.

159. Select the **Save button**.

160. Ensure the error message “**Invalid UHF RX Frequency...**” is displayed. \_\_\_\_\_

161. Dismiss the error message.

162. Ensure the **RX Frequency edit box** displays **409.999**. \_\_\_\_\_

163. Ensure the **TX Frequency edit box** is blank. \_\_\_\_\_

164. Enter **470.000** into the **RX Frequency edit box**.

165. Select the **Save button**.

166. Ensure the error message “**Invalid UHF RX Frequency...**” is displayed. \_\_\_\_\_

167. Dismiss the error message.

168. Ensure the **RX Frequency edit box** displays **470.000**. \_\_\_\_\_

169. Ensure the **TX Frequency edit box** is blank. \_\_\_\_\_

170. Enter **410.000** into the **RX Frequency edit box**.

171. Select the **Save button**.

172. Ensure the error message “**Invalid Channel Name...**” is displayed. \_\_\_\_\_

173. Dismiss the error message.

174. Ensure the **TX Frequency edit box** displays **410.000**. \_\_\_\_\_

175. Enter **469.999** into the **RX Frequency edit box**.

176. Select the **Save button**.

177. Ensure the error message “**Invalid Channel Name...**” is displayed. \_\_\_\_\_

178. Dismiss the error message.

179. Ensure the **TX Frequency edit box** displays **469.999**. \_\_\_\_\_

**Validate DTSS Code (000..999)**

180. Select the **DTSS check box**.
181. Ensure the **DTSS Code edit box** is **enabled**. \_\_\_\_\_
182. Ensure the **DTSS Code edit box** is **white**. \_\_\_\_\_
183. Ensure the **DTSS Code** is **blank**. \_\_\_\_\_
184. Ensure the cursor is in the **DTSS Code edit box**. \_\_\_\_\_
185. Attempt to enter “.” into the **DTSS Code edit box**.
186. Ensure you **cannot**. \_\_\_\_\_
187. Attempt to enter “:” into the **DTSS Code edit box**.
188. Ensure you **cannot**. \_\_\_\_\_
189. Enter “0” into the **DTSS Code edit box**.
190. Select the **Save button**.
191. Ensure the error message “Invalid DTSS Code ...” is displayed. \_\_\_\_\_
192. Dismiss the error message.
193. Ensure the **DTSS Code edit box** still displays “0”. \_\_\_\_\_
194. Enter “00” into the **DTSS Code edit box**.
195. Select the **Save button**.
196. Ensure the error message “Invalid DTSS Code ...” is displayed. \_\_\_\_\_
197. Dismiss the error message.
198. Ensure the **DTSS Code edit box** still displays “00”. \_\_\_\_\_
199. Enter “123” into the **DTSS Code edit box**.
200. Select the **Save button**.
201. Ensure the error message “Invalid Channel name...” is displayed. \_\_\_\_\_

202. Dismiss the error message.

203. Ensure “**123**” remains in the **DTSS Code edit box**. \_\_\_\_\_

**Validate Offset Frequency selection, Band selection and Offset Value determination**

204. Clear the **RX Frequency** edit box.

205. Select the **VHF radio button**.

206. Select the **Simplex radio button**.

207. Ensure the **Offset edit box** is blank. \_\_\_\_\_

208. Attempt to change the value in the **Offset edit box** to **00.60**.

209. Ensure the text cannot be changed. \_\_\_\_\_

210. Select the **Plus radio button**.

211. Ensure the **Offset edit box** displays **00.60**. \_\_\_\_\_

212. Select the **Simplex radio button**.

213. Ensure the **Offset edit box** is blank. \_\_\_\_\_

214. Select the **Minus radio button**.

215. Ensure the **Offset edit box** displays **00.60**. \_\_\_\_\_

216. Select the **Simplex radio button**.

217. Ensure the **Offset edit box** is blank. \_\_\_\_\_

218. Select the **UHF radio button**.

219. Select the **Simplex radio button**.

220. Ensure the **Offset edit box** is blank. \_\_\_\_\_

221. Select the **Plus radio button**.

222. Ensure the **Offset edit box** displays **05.00**. \_\_\_\_\_

223. Select the **Simplex radio button**.
224. Ensure the **Offset edit box** is blank. \_\_\_\_\_
225. Select the **Minus radio button**.
226. Ensure the **Offset edit box** displays **05.00**. \_\_\_\_\_
227. Select the **Simplex radio button**.
228. Ensure the **Offset edit box** is blank. \_\_\_\_\_
229. Select the **VHF radio button**.
230. Enter **146.490** into the **RX Frequency edit box**.
231. Select the **Simplex radio button**.
232. Ensure that the **TX Frequency edit box** displays **146.490**. \_\_\_\_\_
233. Select the **Plus radio button**.
234. Ensure the **TX Frequency edit box** displays **147.090**. \_\_\_\_\_
235. Select the **Minus radio button**.
236. Ensure the **TX Frequency edit box** displays **145.890**. \_\_\_\_\_
237. Select the **Simplex radio button**.
238. Ensure the **TX Frequency edit box** displays **146.490**. \_\_\_\_\_
239. Clear the **RX Frequency edit box**.
240. Select the **UHF radio button**.
241. Enter **446.150** into the **RX Frequency edit box**.
242. Select the **Simplex radio button**.
243. Ensure that the **TX Frequency edit box** displays **446.150**. \_\_\_\_\_
244. Select the **Plus radio button**.
245. Ensure the **TX Frequency edit box** displays **451.150**. \_\_\_\_\_

246. Select the **Minus radio button**.
247. Ensure the **TX Frequency edit box** displays **441.150**. \_\_\_\_\_
248. Select the **Simplex radio button**.
249. Ensure the **TX Frequency edit box** displays **446.150**. \_\_\_\_\_
250. Select the **VHF radio button**.
251. Ensure the error message “**Invalid VHF RX Frequency...Do you want to Continue ?**” is displayed. \_\_\_\_\_
252. Select the “**No**” button.
253. Ensure the **UHF radio button** is re-selected. \_\_\_\_\_
254. Ensure **no other data** has changed. \_\_\_\_\_
255. Select the **VHF radio button**.
256. Select the “**Yes**” button in the error message..
257. Ensure the **VHF radio button** is selected. \_\_\_\_\_
258. Ensure the **RX Frequency edit box** is blank. \_\_\_\_\_
259. Ensure the **TX Frequency edit box** is blank. \_\_\_\_\_
260. Enter **146.340** into the **RX Frequency edit box**.
261. Select the **UHF radio button**.
262. Ensure the error message “**Invalid UHF RX Frequency...Do you want to Continue ?**” is displayed. \_\_\_\_\_
263. Select the “**No**” button.
264. Ensure the **VHF radio button** is re-selected. \_\_\_\_\_
265. Ensure **no other data** has changed. \_\_\_\_\_
266. Select the **UHF radio button**.

267. Select the **"Yes"** button.

268. Ensure the **UHF radio button** is selected. \_\_\_\_\_

269. Ensure the **RX Frequency edit box** is blank. \_\_\_\_\_

270. Ensure the **TX Frequency edit box** is blank. \_\_\_\_\_

### **RESET BUTTON**

271. Enter the following data into the **Data Entry form**:

|                           |              |
|---------------------------|--------------|
| VHF radio button          | Selected     |
| RX Frequency              | 146.340      |
| Shift                     | Plus         |
| Tone radio button         | Selected     |
| Tone Frequency            | 100.0        |
| DTSS check box            | Selected     |
| DTSS Code                 | 123          |
| Low RF Power radio button | Selected     |
| Scan check box            | Selected     |
| Channel Name              | Button One   |
| Comments                  | Comments One |

272. Select the **Reset button**.

273. Ensure the **confirmation message "Confirm that you wish to Reset the form."** is displayed. \_\_\_\_\_

274. Select the **No button**.

275. Ensure the **confirmation message** is dismissed. \_\_\_\_\_

276. Ensure there is **no change** in data. \_\_\_\_\_

277. Select the **Reset button**.

278. Select the **Yes button**.

279. Ensure the **Data fields display** the following data:

|                            |             |       |
|----------------------------|-------------|-------|
| VHF radio button           | Selected    | _____ |
| RX Frequency               | blank       | _____ |
| Shift                      | Simplex     | _____ |
| None radio button          | Selected    | _____ |
| Tone Frequency             | blank       | _____ |
| DTSS check box             | de-selected | _____ |
| DTSS Code                  | blank       | _____ |
| High RF Power radio button | Selected    | _____ |

|                |             |       |
|----------------|-------------|-------|
| Scan check box | de-selected | _____ |
| Channel Name   | blank       | _____ |
| Comments       | blank       | _____ |

### **CANCEL BUTTON**

280. Make a Note of the **VHF Frequency** displayed by the application.
281. Select the **VHF radio button**.
282. Enter a **VHF frequency** (different from the one currently being displayed) into the **RX Frequency edit box**.
283. Select the **Cancel button**.
284. Ensure the **confirmation message** “**Confirm you wish to Cancel this entry...**” is displayed. \_\_\_\_\_
285. Select the **No button**.
286. Ensure the **confirmation message** is dismissed. \_\_\_\_\_
287. Ensure **no data in the form has changed**. \_\_\_\_\_
288. Ensure that the **frequency noted in Step 297** has not changed. \_\_\_\_\_
289. Select the **Cancel button**.
290. Select the **Yes button** of the confirmation message.
291. Ensure the **Data Entry form** is dismissed. \_\_\_\_\_
292. Ensure that the **frequency noted in Step 297** has not changed. \_\_\_\_\_

### **Validate Channel Name (5 to 15 characters)**

293. Right-click the **FAV1 button**.
294. Enter **146.340** into the **RX Frequency edit box**.
295. Ensure the **Channel Name edit box** is **blank**.
296. Attempt to enter the following characters into the **Channel Name edit box**. :
- |   |   |   |       |
|---|---|---|-------|
| . | / | N | _____ |
| : |   | N | _____ |



|         |   |       |
|---------|---|-------|
| @       | N | _____ |
| [       | N | _____ |
| ,       | N | _____ |
| {       | N | _____ |
| 0       | Y | _____ |
| 9       | Y | _____ |
| A       | Y | _____ |
| Z       | Y | _____ |
| a       | Y | _____ |
| z       | Y | _____ |
| <Space> | Y | _____ |

297. Enter “**A**” into the **Channel Name edit box**.

298. Select the **Save button**.

299. Ensure the error message “**Invalid Channel Name...**” is displayed. \_\_\_\_\_

300. Dismiss the error message.

301. Enter “**ABCD**” into the **Channel Name edit box**.

302. Select the **Save button**.

303. Ensure the error message “**Invalid Channel Name...**” is displayed. \_\_\_\_\_

304. Dismiss the error message.

305. Enter “**ABCDE**” into the **Channel Name edit box**.

306. Select the **Save button**.

307. Ensure the **Data Entry form** is dismissed. \_\_\_\_\_

308. Ensure **no error message** is displayed. \_\_\_\_\_

309. Ensure the FAV1 button displays the text “**ABCDE**”. \_\_\_\_\_

310. Right-click the **FAV1 button**.

311. Enter **31** characters into the **Channel Name edit box**.

312. Ensure you **cannot** enter the **31<sup>st</sup> character**. \_\_\_\_\_

313. Select the **Save button**.

314. Ensure there are **no error messages** displayed. \_\_\_\_\_

315.Right-click the **FAV1 button**.

316.Ensure the **Comments field** displays the **30 characters** entered in step 328.

**SAVE BUTTON**

317.Enter the following data into the Data Entry form:

|                           |              |
|---------------------------|--------------|
| VHF radio button          | Selected     |
| RX Frequency              | 146.340      |
| Shift                     | Plus         |
| Tone radio button         | Selected     |
| Tone Frequency            | 100.0        |
| DTSS check box            | Selected     |
| DTSS Code                 | 123          |
| Low RF Power radio button | Selected     |
| Scan check box            | Selected     |
| Channel Name              | Button One   |
| Comments                  | Comments One |

318.Select the Save button.

319.Right-click the FAV1 button.

320.Ensure the data Entry form contains:

|                           |              |
|---------------------------|--------------|
| VHF radio button          | Selected     |
| RX Frequency              | 146.340      |
| TX Frequency              | 146.940      |
| Shift                     | Plus         |
| Tone radio button         | Selected     |
| Tone Frequency            | 100.0        |
| DTSS check box            | Selected     |
| DTSS Code                 | 123          |
| Low RF Power radio button | Selected     |
| Scan check box            | Selected     |
| Channel Name              | Button One   |
| Comments                  | Comments One |

**CLEAR BUTTON**

321.Select the **Clear button**.

322.Ensure the **confirmation message** “Confirm you wish to Clear this entry” is displayed.

323.Select the **No button**.

324.Ensure the **confirmation message is dismissed**.

- 325.Ensure the **Data Entry form remains open.** \_\_\_\_\_
- 326.Ensure the **data displayed** is that of **step 337.** \_\_\_\_\_
- 327.Select the **Clear button.**
- 328.Select the **Yes button.**
- 329.Ensure the **confirmation message is dismissed.** \_\_\_\_\_
- 330.Ensure the **Data Entry form is closed.** \_\_\_\_\_
- 331.Ensure the **caption of the FAV1 button is blank.** \_\_\_\_\_

**END OF TEST**