

TMV7A.EXE
SOFTWARE TEST PROCEDURES
VOL 3-2-2
DATA ENTRY FORM PROCEDURES
UHF MEM DATA ENTRY FORM

Ver 1.0.0
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INITIAL DISPLAY

1. Launch the **TMV7** application.
2. Load the **UHF MEM Data Entry Test** .tmv file.
3. Select the **Memory|UHF** Main Menu item.
4. On the **UHF Data Memory** form, select the **Edit** button.
5. Ensure the **Memory Channel Data Entry** form is displayed. _____
6. Ensure the Title Bar displays the text **UHF Memory Channel Data Entry**. _____

Band Panel

7. Ensure the **UHF** radio button is selected. _____
8. Ensure the **UHF** radio button is enabled. _____
9. Ensure the **VHF** radio button is deselected. _____
10. Ensure the **VHF** radio button is enabled. _____

Frequency Panel

11. Ensure the **Source** edit box displays the text "**UHF01**". _____
12. Ensure the **Source** edit box is disabled. _____
13. Ensure the **background colour** of the **Source** edit box is **yellow**. _____
14. Ensure the **RX Frequency** edit box is blank. _____
15. Ensure the **RX Frequency** edit box is enabled. _____
16. Ensure the cursor is in the centre of the **RX Frequency** edit box. _____
17. Ensure the **TX Frequency** edit box is blank. _____
18. Ensure the **TX Frequency** edit box is disabled. _____

19. Ensure the **background colour** of the **TX Frequency** edit box is **yellow**.

20. Ensure the **Step** combo box contains the value **25**.

Tones Panel

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

22. Ensure the **None** radio button is enabled

23. Ensure the **Tone** radio button is deselected.

24. Ensure the **Tone** radio button is enabled

25. Ensure the **CTCSS** radio button is deselected.

26. Ensure the **CTCSS** radio button is enabled.

27. Ensure the **Tone Frequency** drop-down list is disabled.

28. Ensure the **DTSS** check box is deselected.

29. Ensure the **DTSS** check box is enabled.

30. Ensure the **DTSS Code** edit box is blank.

31. Ensure the **DTSS Code** edit box is disabled.

32. Ensure the **DTSS Code** edit box background colour is **yellow**.

Shift Panel

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

34. Ensure the **Simplex** radio button is enabled.

35. Ensure the **Plus** radio button is deselected.

36. Ensure the **Plus** radio button is enabled.

37. Ensure the **Minus** radio button is deselected.

38. Ensure the **Minus** radio button is enabled.

39. Ensure the **Offset** edit box displays “00.00”. _____
40. Ensure the **Offset** edit box is disabled. _____
41. Ensure the **Offset** edit box background colour is **yellow**. _____

RF Power Panel

42. Ensure the **Low** radio button is deselected. _____
43. Ensure the **Low** radio button is enabled. _____
44. Ensure the **Medium** radio button is deselected. _____
45. Ensure the **Medium** radio button is enabled. _____
46. Ensure the **High** radio button is selected. _____
47. Ensure the **High** radio button is enabled. _____

Data Entry Form

48. Ensure the **Scan** check box is **unchecked**. _____
49. Ensure the **Scan** check box is enabled. _____
50. Ensure the **Memory Name** edit box is blank. _____
51. Ensure the **Memory Name** edit box is enabled. _____
52. Ensure the **Comments** edit box is blank. _____
53. Ensure the **Comments** edit box is enabled. _____

Action Buttons

54. Ensure the **Save** button is enabled. _____
55. Ensure the **Clear** button is enabled. _____
56. Ensure the **Reset** button is enabled. _____

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

INITIAL FUNCTIONALITY

Band Panel

58. Select the **VHF** Radio button.

59. Ensure the **Invalid UHF RX Frequency** error message is displayed.

60. Dismiss the error message.

61. Select the **VHF** radio button.

62. Ensure the **UHF** Radio button is de-selected.

63. Ensure the **Step** value changes to **5**.

64. Select the **UHF** Radio button.

65. Ensure the **VHF** Radio button is de-selected.

66. Ensure the **Step** value changes to **25**.

Frequency Panel

67. Select the **Step** combo box down-arrow.

68. Ensure the following list is displayed:

5
6.25
10
12.5
15
20
25
30
50

Tones Panel

69. Select the **Tone** radio button.
70. Ensure the **None** Radio button is deselected. _____
71. Ensure the **CTCSS** Radio button is de-selected. _____
72. Ensure the **Tone Frequency** Drop-Down list box is enabled. _____
73. Ensure the Tone Frequency Drop-Down list displays 67. _____
74. Select the **Tone** Drop-Down list.
75. Ensure the list displayed is from **67** to **250.3**. _____
76. Close the list.
77. Select the **CTCSS** Radio button.
78. Ensure the **None** Radio button is deselected. _____
79. Ensure the **Tone** Radio button is deselected. _____
80. Ensure the **Tone Frequency** Drop-Down list box is enabled. _____
81. Ensure the **Tone Frequency** Drop-Down list displays **67**. _____
82. Select the **None** Radio button.
83. Ensure the **Tone** Radio button is deselected. _____
84. Ensure the **CTSS** radio button is deselected. _____
85. Ensure the **Tone Frequency** Drop-Down list box is disabled. _____
86. Ensure the **Tone Frequency** drop-down list is blank. _____
87. Select the **DTSS** Check box.
88. Ensure the **DTSS** edit box is enabled. _____
89. Ensure the cursor is in the centre of the **DTSS** edit box. _____
90. Ensure the **DTSS Code 000** is displayed in the edit box. _____
91. Ensure the **DTSS Code** edit box background colour is **white**. _____

92. Deselect the **DTSS** check box.
93. Ensure the **DTSS** edit box is disabled. _____
94. Ensure the **DTSS Code** edit box is blank. _____
95. Ensure the **DTSS Code** edit box background is **yellow**. _____

Shift Panel

96. Select the **Plus** Radio button.
97. Ensure the **Simplex** Radio button is de-selected. _____
98. Ensure the **Minus** Radio button is de-selected. _____
99. Ensure the **Offset** Textbox displays **05.00** _____
100. Select the **Minus** Radio button.
101. Ensure the **Simplex** Radio button is de-selected. _____
102. Ensure the **Plus** Radio button is de-selected. _____
103. Ensure the **Offset** Textbox displays **05.00**. _____
104. Select the **Simplex** Radio button.
105. Ensure the **Plus** Radio button is de-selected. _____
106. Ensure the **Minus** Radio button is de-selected. _____
107. Ensure the **Offset** Textbox displays **00.00**. _____
108. Select the **VHF** Radio button.
109. Select the **Plus** Radio button.
110. Ensure the **Offset** Textbox displays **00.60** _____
111. Select the **Minus** Radio button.
112. Ensure the **Offset** Textbox displays **00.60**. _____

113. Select the **Simplex** Radio button.

114. Ensure the **Offset** Textbox displays **00.00**. _____

115. Select the **UHF** Radio button.

RF Power Panel

116. Select the **Low** radio button..

117. Ensure the **Medium** radio button is deselected. _____

118. Ensure the **High** radio button is deselected. _____

119. Select the **Medium** radio button.

120. Ensure **the Low** radio button is deselected. _____

121. Ensure the **High** radio button is deselected _____

122. Select the **High** radio button.

123. Ensure the **Low** radio button is deselected. _____

124. Ensure the **Medium** radio button is deselected. _____

Data Entry Form

125. Select the **Scan** check box.

126. Ensure there are no other changes. _____

127. Deselect the **Scan** Radio button.

128. Ensure there are no other changes. _____

Field Validation

RX Frequency & TX Frequency

- 129.Ensure the **UHF** radio button is selected. _____
- 130.Ensure the **Simplex** radio button is selected. _____
- 131.Ensure the **Step** frequency **25 kHz** is selected. _____
- 132.Select the **RX Frequency** edit box.
- 133.Ensure you **cannot** enter the following characters into the **RX Frequency** edit box:
- /
 :
 .
- _____
- _____
- _____
- 134.Ensure you can enter the following characters into the **RX Frequency** edit box:
- 0
 9
 <BS>
- _____
- _____
- _____
- 135.Ensure you can enter **446.150** into the **RX Frequency** edit box. _____
- 136.Ensure you can enter **446.1505** into the **RX Frequency** edit box. _____
- 137.Delete all characters and enter **4**.
- 138.Select the **None** radio button.
- 139.Ensure the error message **ctrInvalid_UHF_Frequency** is displayed. _____
- 140.Dismiss the error message.
- 141.Ensure the **TX Frequency** field is blank. _____
- 142.Enter **44** into the edit box.
- 143.Select the **None** radio button.
- 144.Ensure the error message **ctrInvalid_UHF_Frequency** is displayed. _____
- 145.Dismiss the error message.

146. Ensure the **TX Frequency** field is blank. _____
147. Enter **446** into the edit box.
148. Select the **None** radio button.
149. Ensure the error message **cstrInvalid_UHF_Frequency** is displayed. _____
150. Dismiss the error message.
151. Ensure the **TX Frequency** field is blank. _____
152. Enter **446.** into the edit box.
153. Select the **None** radio button.
154. Ensure the error message **cstrInvalid_UHF_Frequency** is displayed. _____
155. Dismiss the error message.
156. Ensure the **TX Frequency** field is blank. _____
157. Enter **446.1** into the edit box.
158. Select the **None** radio button.
159. Ensure the error message **cstrInvalid_UHF_Frequency** is displayed. _____
160. Dismiss the error message.
161. Ensure the **TX Frequency** field is blank. _____
162. Enter **446.15** into the edit box.
163. Select the **None** radio button.
164. Ensure the error message **cstrInvalid_UHF_Frequency** is displayed. _____
165. Dismiss the error message.
166. Ensure the **TX Frequency** field is blank. _____

Step Value

167. Enter **446.150**

168. Select the **None** radio button.

169. Ensure that no **error message** is displayed. _____

170. Ensure the TX Frequency edit box displays 446.150. _____

171. Enter **446.1504**.

172. Ensure the **RX Frequency** error icon is displayed.

173. Place the cursor over the error icon and ensure that the `cstrInvalid_UHF_Shift` error message is displayed. _____

174. Select the **Correct** button.

175. Ensure the error message is dismissed. _____

176. Ensure the **TX Frequency** field is blank. _____

177. Ensure the **RX Frequency** is corrected to **446.150**. _____

178. Enter **446.1506**.

179. Ensure the **RX Frequency** error icon is displayed.

180. Place the cursor over the error icon and ensure that the `cstrInvalid_UHF_Shift` error message is displayed. _____

181. Select the **Correct** button.

182. Ensure the error message is dismissed. _____

183. Ensure the **TX Frequency** field is blank. _____

184. Ensure the **RX Frequency** is corrected to **446.150**. _____

185. Enter **446.1506**.

186.Ensure the **RX Frequency** error icon is displayed.

187.Place the cursor over the error icon and ensure that the `cstrInvalid_UHF_Shift` error message is displayed.

188.Select the **Accept** button.

189.Ensure no error message is displayed.

190.Ensure the **RX Frequency** remains **446.1506**.

DTSS Code

1. Select the **DTSS Check** box.

2. Ensure you cannot enter the following characters into the **DTSS** edit box:

/
:

3. Ensure you can enter the following characters into the **DTSS** edit box:

0
9
<BS>

4. Enter the character **1**.

5. Select the **None** radio button.

6. Ensure the **DTSS Code** error icon is displayed.
7. Place the cursor over the error icon and ensure that the **cstrInvalid_DTSS_Code** error message is displayed. _____
8. Enter **12** into the edit box.
9. Select the **None** radio button.
10. Ensure the **DTSS Code** error icon is displayed.
11. Place the cursor over the error icon and ensure that the **cstrInvalid_DTSS_Code** error message is displayed. _____
12. Enter **1234** into the edit box.
13. Ensure the **last character** (4) cannot be entered. _____
14. Select the **None** radio button.
15. Ensure that no **error icon** is displayed. _____

Memory Name

16. Select the **Memory Name** edit box.
17. Ensure the cursor is in the **first character position** of the edit box. _____
18. Ensure you cannot enter the characters:

/
 :
 @
 [
 ,
 {

19. Ensure you can enter the following characters:

0
 9
 <Space>
 A
 Z
 a
 z

<BS>

20. Enter the digit **1** into the edit box.
21. Select the **None** radio button.
22. Ensure the **Memory Name** error icon is displayed.
23. Place the cursor over the error icon and ensure that the **cstrInvalid_Memory_Name** error message is displayed.
24. Enter **1234** into the edit box.
25. Select the **None** radio button.
26. Ensure the **Memory Name** error icon is displayed.
27. Place the cursor over the error icon and ensure that the **cstrInvalid_Memory_Name** error message is displayed.
28. Enter **12345** into the edit box.
29. Select the **None** radio button.
30. Ensure no **error icon** is displayed.
31. Enter "1234567890123456" into the Memory Name edit box.
32. Ensure you cannot enter the last "6".

Comments

33. Select the **Comments** edit box.
34. Ensure there is no Error ICON for the Memory Name edit box.
35. Ensure the cursor is in the **first character position** of the edit box.
36. Ensure you cannot enter the characters:

/

:

@

[

,
{

37. Ensure you can enter the following characters:

0
9
<Space>
A
Z
a
z
<BS>

38. Select the **None** radio button.

39. Ensure **no error icon** is displayed.

40. Enter the text **1234567890123456789012345678901** (30 chars) into the edit box.

41. Ensure the **last character** (1) cannot be entered.

42. Select the **Cancel** button.

43. Select **Yes** to the **confirmation** message.

VHF Simplex Favourite Entry (No Tone)

1. Right-click the **Favourite One** button.

2. Select the **VHF** Radio button.

3. Select the **Simplex** Radio button.

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

5. Ensure the **Save** button is disabled.

6. Select the **None** Radio button.

7. Ensure the **RX Frequency** error icon is displayed.

8. Place the cursor over the error icon.

9. Ensure the error message **cstrInvalid_VHF_Frequency** is displayed. _____
10. Enter **118.000** into the **RX Frequency** edit box.
11. Select the **None** Radio button.
12. Ensure that no **error icon** is displayed. _____
13. Enter **173.999** into the **RX Frequency** edit box.
14. Select the **None** Radio button.
15. Ensure that no error icon is displayed. _____
16. Enter **174.000** into the **RX Frequency** edit box.
17. Select the **None** Radio button.
18. Ensure the **RX Frequency** error icon is displayed. _____
19. Place the cursor over the **error icon**.
20. Ensure the error message **cstrInvalid_VHF_Frequency** is displayed. _____
21. Enter **146.520** into the **RX Frequency** edit box.
22. Select the **None** edit box.
23. Ensure the **TX Frequency** edit box displays **146.520**. _____
24. Select the **DTSS** Check box.
25. Enter **123** into the **DTSS Code** edit box.
26. Ensure the **Save** button is disabled. _____
27. Enter the text "**VHF Favourite 1**" into the **Memory Name** edit box.
28. Ensure the **Save** button is enabled. _____
29. Enter the text "**Maximum Number of Comment Char**" into the **Comments** edit box.
30. Select the **Save** button.

31. Ensure the **Favourites Data Entry form** is closed. _____
32. Ensure the text "**VHF Favourite 1**" is displayed on Favourites button one of the Main form. _____
33. Right-click the **VHF Favourite 1** on the Main form.
34. Ensure the following data is displayed in the Favourites Data Entry form.

VHF radio button – **Selected**
Simplex Offset radio button – **Selected**
Offset Shift text box – **00.00**
Source text box – **FAV001**
RX Frequency text box – **146.520**
TX Frequency text box – **146.520**
Scan check box **deselected**.
None radio button **selected**
DTSS check box **selected**
DTSS edit box – **123**
RF Power Level – **H**
Memory Name edit box – **VHF Favourite 1**
Comments edit box – **Maximum Number of Comment Char**

35. Select the **Cancel** button and answer Yes.

VHF Simplex Favourite Entry (PL Tone)

1. Right-click Favourite button Two on the Main form and enter the following data into the Favourites Data Entry form.

VHF radio button – **Selected**
Simplex Offset radio button – **Selected**
Offset Shift text box – **00.00**
RX Frequency text box – **146.490**
Scan check box **selected**
Tone radio button **selected**
Tone Frequency 100 selected
DTSS check box **deselected**
DTSS edit box empty
RF Power Level – **M**
Memory Name edit box – **VHF Favourite 2**
Comments edit box clear

2. Select the **Save** button.
3. Ensure the **Favourites Data Entry form** is closed. _____
4. Ensure the text "**VHF Favourite 2**" is displayed on Favourites button Two of the Main form. _____

- VHF** radio button – **Selected**
Simplex Offset radio button – **Selected**
Offset Shift text box – **00.00**
Source text box – **FAV002**
RX Frequency text box – **146.490**
TX Frequency text box – **146.490**
Scan check box **selected**.
Tone radio button **selected**
Tone Frequency 100 displayed
DTSS check box **deselected**
DTSS edit box clear
RF Power Level – **M**
Memory Name edit box – **VHF Favourite 2**
Comments edit box clear

- ### UHF Simplex Favourite Entry (CTCSS Tone)

195.Ensure the error message is dismissed.

- 196.Ensure the **Favourites Button Data Entry form** remains displayed. _____
- 197.Ensure **no data** was changed. _____
- 198.Cancel the **Favourites Button Data Entry** form.
- 199.Select the **Yes** button on the **Confirm Cancellation** dialog box.
- 200.Right click on the **PEMO UHF** Favourites button.
- 201.Select the **Clear** button.
- 202.Ensure the confirmation message **CM_Data_Entry_Confirm_Clear is displayed.** _____
- 203.Ensure the Title is **Confirm Clear.** _____
- 204.Select the **No** button.
- 205.Ensure the confirmation message is dismissed. _____
- 206.Ensure the **Favourites Button Data Entry** form is dismissed. _____
- 207.Ensure the caption of **Favourite Button 5** remains **PEMO UHF.** _____
- 208.Right click on the **PEMO UHF** Favourites button.
- 209.Select the **Clear** button.
- 210.When the confirmation message is displayed, select the **Yes** button.
- 211.Ensure the confirmation message is dismissed. _____
- 212.Ensure the **Favourites Button Data Entry** form is dismissed. _____
- 213.Ensure the caption of **Favourite Button 5** is blank. _____
- SAVE BUTTON**
- 214.Left click on **Favourite button 5.**
- 215.Ensure the **Favourite Band** dialogue box is displayed. _____
- 216.Select the UIHF button.
- 217.Enter **446.150** into the **RX Frequency** edit box.

218. Select the **Scan** check box.

219. Select the **Minus offset** radio button.

220. Select the **Tone** check box.

221. Select a **Tone Frequency** of **100**.

222. Select the **CTSS** check box.

223. Select a **CTCSS Frequency** of **123**.

224. Select the **DTSS** check box.

225. Enter a **DTSS Code** of **567**.

226. Enter "**SAVE**" into the **Memory Name** edit box.

227. Enter "**SAVE Test**" into the **Comments** edit box.

228. Select the **Save** button.

229. Ensure the **Favourite Data Entry form** is dismissed.

230. Ensure that Favourite Button 5 caption is **Save**.

231. Right-click on the **SAVE Favourite** button.

232. Ensure the **UHF** radio button is selected.

233. Ensure the **Source** edit box displays **FAV005**.

234. Ensure the **RX Frequency** edit box contains **446.150**.

235. Ensure the **TX Frequency** edit box contains **441.150**.

236. Ensure the **Scan** check box is selected.

237. Ensure the **Minus offset** radio button is selected.

238. Ensure the **Offset** edit box contains **05.00**.

239. Ensure the **Tone** check box is selected.

- 240.Ensure the **Tone Frequency** list displays **100**. _____
- 241.Ensure the **CTCSS** check box is selected. _____
- 242.Ensure the **CTCSS Frequency** list displays **123**. _____
- 243.Ensure the **DTSS** check box is selected. _____
- 244.Ensure the **DTSS Code** edit box contains **567**. _____
- 245.Ensure the Memory Name edit box contains "**SAVE**". _____
- 246.Ensure the Comments edit box contains "**SAVE Test**". _____
- 247.**Cancel** the entry.
- 248.Terminate the application.
- 249.END OF TEST**