

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

Ver 1.0.0  
3 Aug 2014

## **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 **Memory Channel Data Entry**. \_\_\_\_\_

### ***Band Panel***

7. Ensure the **VHF** radio button is selected. \_\_\_\_\_
8. Ensure the **VHF** radio button is enabled. \_\_\_\_\_
9. Ensure the **UHF** radio button is deselected. \_\_\_\_\_
10. Ensure the **UHF** 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 **Tone Frequency** drop-down list is disabled. \_\_\_\_\_
26. Ensure the **Tone Frequency** drop-down list displays **67**. \_\_\_\_\_
27. Ensure the **CTCSS** radio button is deselected. \_\_\_\_\_
28. Ensure the **CTCSS** radio button is enabled. \_\_\_\_\_
29. Ensure the **CTCSS Frequency** drop-down list is disabled. \_\_\_\_\_
30. Ensure the **CTCSS** drop-down list displays **67**. \_\_\_\_\_
31. Ensure the **DTSS** check box is deselected. \_\_\_\_\_
32. Ensure the **DTSS** check box is enabled. \_\_\_\_\_
33. Ensure the **DTSS Code** edit box is blank. \_\_\_\_\_
34. *Ensure the **DTSS Code** edit box is disabled.* \_\_\_\_\_

### ***Shift Panel***

35. Ensure the **Simplex** radio button is selected. \_\_\_\_\_
36. Ensure the **Simplex** radio button is enabled. \_\_\_\_\_
37. Ensure the **Plus** radio button is deselected. \_\_\_\_\_

- 38. Ensure the **Plus** radio button is enabled. \_\_\_\_\_
- 39. Ensure the **Minus** radio button is deselected. \_\_\_\_\_
- 40. Ensure the **Minus** radio button is enabled. \_\_\_\_\_
- 41. Ensure the **Offset** edit box displays “**00.00**”. \_\_\_\_\_
- 42. Ensure the **Offset** edit box is disabled. \_\_\_\_\_

### ***RF Power Panel***

- 43. Ensure the **RF Power** combo box displays **H**. \_\_\_\_\_
- 44. *Ensure the **RF Power** combo box box is enabled.* \_\_\_\_\_

### ***Data Entry Form***

- 45. Ensure the **Scan** check box is **cleared**. \_\_\_\_\_
- 46. Ensure the **Scan** check box is enabled. \_\_\_\_\_
- 47. Ensure the **Memory Name** edit box is blank. \_\_\_\_\_
- 48. Ensure the **Memory Name** edit box is enabled. \_\_\_\_\_
- 49. Ensure the **Comments** edit box is blank. \_\_\_\_\_
- 50. Ensure the **Comments** edit box is enabled. \_\_\_\_\_

### ***Action Buttons***

- 51. Ensure the **Save** button is disabled. \_\_\_\_\_
- 52. Ensure the **Clear** button is enabled. \_\_\_\_\_
- 53. Ensure the **Reset** button is disabled. \_\_\_\_\_
- 54. Ensure the **Cancel** button is enabled. \_\_\_\_\_

## **INITIAL FUNCTIONALITY**

### ***Band Panel***

55. Select the **VHF** Radio button.

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

\_\_\_\_\_

57. Ensure nothing else is changed.

\_\_\_\_\_

58. Select the **UHF** Radio button.

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

\_\_\_\_\_

60. Ensure nothing else is changed.

\_\_\_\_\_

### ***Frequency Panel***

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

62. Ensure the following list is displayed:

**5**  
**6.25**  
**10**  
**12.5**  
**15**  
**20**  
**25**  
**30**  
**50**

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

### ***Tones Panel***

63. Select the **Tone** radio button.

64. Ensure the **None** Radio button is deselected.

\_\_\_\_\_

65. Ensure the **Tone** Drop-Down list box is enabled.

\_\_\_\_\_

66. Select the **Tone** Drop-Down list.

67. Ensure the list displayed is from **67** to **250.3**.

\_\_\_\_\_

68. Close the list.

- 69. Ensure the **CTCSS** Radio button is de-selected. \_\_\_\_\_
- 70. Ensure the **CTCSS** Drop-Down list is disabled. \_\_\_\_\_
- 71. Select the **CTCSS** Radio button.
- 72. Ensure the **None** Radio button is deselected. \_\_\_\_\_
- 73. Ensure the **Tone** Radio button is de-selected. \_\_\_\_\_
- 74. Ensure the **Tone** Drop-Down list box is disabled. \_\_\_\_\_
- 75. Ensure the **CTCSS** Drop-Down list is enabled. \_\_\_\_\_
- 76. Select the **CTCSS** Drop-Down list.
- 77. Ensure the list displayed is from **67** to **250.3**. \_\_\_\_\_
- 78. Close the list.
- 79. Select the **None** Radio button.
- 80. Ensure the **Tone** Radio button is deselected. \_\_\_\_\_
- 81. Ensure the **Tone** Drop-Down list box is disabled. \_\_\_\_\_
- 82. Ensure the **CTCSS** Radio button is de-selected. \_\_\_\_\_
- 83. Ensure the **CTCSS** Drop-Down list is disabled. \_\_\_\_\_
- 84. Select the **DTSS** Check box.
- 85. Ensure the **DTSS** edit box is enabled. \_\_\_\_\_
- 86. Ensure the cursor is in the centre of the **DTSS** edit box. \_\_\_\_\_
- 87. Deselect the **DTSS** check box.
- 88. Ensure the **DTSS** edit box is disabled. \_\_\_\_\_

## ***Shift Panel***

89. Select the **Plus** Radio button.
90. Ensure the **Simplex** Radio button is de-selected. \_\_\_\_\_
91. Ensure the **Minus** Radio button is de-selected. \_\_\_\_\_
92. Ensure the **Offset** Textbox displays **00.60** \_\_\_\_\_
93. Select the **Minus** Radio button.
94. Ensure the **Simplex** Radio button is de-selected. \_\_\_\_\_
95. Ensure the **Plus** Radio button is de-selected. \_\_\_\_\_
96. Ensure the **Offset** Textbox displays **00.60**. \_\_\_\_\_
97. Select the **Simplex** Radio button.
98. Ensure the **Plus** Radio button is de-selected. \_\_\_\_\_
99. Ensure the **Minus** Radio button is de-selected. \_\_\_\_\_
100. Ensure the **Offset** Textbox displays **00.00**. \_\_\_\_\_
101. Select the **UHF** Radio button.
102. Select the **Plus** Radio button.
103. Ensure the **Offset** Textbox displays **05.00** \_\_\_\_\_
104. Select the **Minus** Radio button.
105. Ensure the **Offset** Textbox displays **05.00**. \_\_\_\_\_
106. Select the **Simplex** Radio button.
107. Ensure the **Offset** Textbox displays **00.00**. \_\_\_\_\_
108. Select the **VHF** Radio button.

## ***RF Power Panel***

109. Select the **RF Power** Drop-Down list.

110. Ensure that the list contains **L**, **M** and **H**. \_\_\_\_\_

111. Ensure that **H** is highlighted. \_\_\_\_\_

112. Close the list.

## ***Data Entry Form***

113. Select the **Scan** check box.

114. Ensure there are no other changes. \_\_\_\_\_

115. Deselect the **Scan** Radio button.

116. Ensure there are no other changes. \_\_\_\_\_

## **Field Validation**

### ***RX Frequency***

1. Select the **RX Frequency** edit box.

2. Ensure you cannot enter the following characters:

/  
:  
.

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

3. Ensure you can enter the following characters

0  
9  
<BS>

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

4. Delete all characters and enter **1**.

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

6. Ensure the **RX Frequency** error icon is displayed. \_\_\_\_\_



7. Place the cursor over the error icon and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed. \_\_\_\_\_
8. Enter **14** into the edit box.
9. Select the **None** radio button.
10. Ensure the **RX Frequency** error icon is displayed.
11. Place the cursor over the error icon and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed. \_\_\_\_\_
12. Enter **146** into the edit box.
13. Select the **None** radio button.
14. Ensure the **RX Frequency** error icon is displayed.
15. Place the cursor over the error icon and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed. \_\_\_\_\_
16. Enter **146.** into the 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 and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed. \_\_\_\_\_
20. Enter **146.5** into the edit box.
21. Select the **None** radio button.
22. Ensure the **RX Frequency** error icon is displayed.
23. Place the cursor over the error icon and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed. \_\_\_\_\_
24. Enter **146.52** into the edit box.
25. Select the **None** radio button.
26. Ensure the **RX Frequency** error icon is displayed.

27. Place the cursor over the error icon and ensure that the **cstrInvalid\_VHF\_Frequency** error message is displayed.

\_\_\_\_\_

28. Enter **146.5201**

29. Ensure you cannot enter the last **1**.

\_\_\_\_\_

30. Select the **None** radio button.

31. Ensure that no **error icon** is displayed.

\_\_\_\_\_

## ***DTSS Code***

32. Select the **DTSS Check** box.

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

/  
:

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

0  
9  
<BS>

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

35. Enter the character **1**.

36. Select the **None** radio button.

37. Ensure the **DTSS Code** error icon is displayed.

38. Place the cursor over the error icon and ensure that the **cstrInvalid\_DTSS\_Code** error message is displayed.

\_\_\_\_\_

39. Enter **12** into the edit box.

40. Select the **None** radio button.

41. Ensure the **DTSS Code** error icon is displayed.

42. Place the cursor over the error icon and ensure that the **cstrInvalid\_DTSS\_Code** error message is displayed.

\_\_\_\_\_

43. Enter **1234** into the edit box.

44. Ensure the **last character** (4) cannot be entered.

45. Select the **None** radio button.

46. Ensure that no **error icon** is displayed.

## ***Memory Name***

47. Select the **Memory Name** edit box.

48. Ensure the cursor is in the **first character position** of the edit box.

49. Ensure you cannot enter the characters:

/  
:  
@  
[  
,  
{

50. Ensure you can enter the following characters:

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

51. Enter the digit **1** into the edit box.

52. Select the **None** radio button.

53. Ensure the **Memory Name** error icon is displayed.

54. Place the cursor over the error icon and ensure that the **cstrInvalid\_Memory\_Name** error message is displayed.

55. Enter **1234** into the edit box.

56. Select the **None** radio button.

57. Ensure the **Memory Name** error icon is displayed.

58. Place the cursor over the error icon and ensure that the **cstrInvalid\_Memory\_Name** error message is displayed.

59. Enter **12345** into the edit box.

60. Select the **None** radio button.

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

62. Enter "1234567890123456" into the Memory Name edit box.

63. Ensure you cannot enter the last "6".

## Comments

64. Select the **Comments** edit box.

65. Ensure there is no Error ICON for the Memory Name edit box.

66. Ensure the cursor is in the **first character position** of the edit box.

67. Ensure you cannot enter the characters:

/  
:  
@  
[  
,  
{

68. Ensure you can enter the following characters:

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

69. Select the **None** radio button.

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

\_\_\_\_\_

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

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

\_\_\_\_\_

73. Select the **Cancel** button.

74. 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.
5. Right-click the **VHF Favourite 2** on the Main form.
6. 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 – **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

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

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

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

### **CLEAR BUTTON**

117. Select the **Clear** button.

118. Ensure the error message **ER\_Data\_Entry\_Favourite\_In\_Use** is displayed.

\_\_\_\_\_

119. Ensure the Title bar displays **Frequency in use error**.

\_\_\_\_\_

120. Select the **Ok** button.

121. Ensure the error message is dismissed.

\_\_\_\_\_

122. Ensure the **Favourites Button Data Entry form** remains displayed.

\_\_\_\_\_

123. Ensure **no data** was changed.

\_\_\_\_\_

124. Cancel the **Favourites Button Data Entry** form.

125. Select the **Yes** button on the **Confirm Cancellation** dialog box.

126. Right click on the **PEMO UHF Favourites** button.

127. Select the **Clear** button.

128. Ensure the confirmation message **CM\_Data\_Entry\_Confirm\_Clear** is displayed.

\_\_\_\_\_



129.Ensure the Title is **Confirm Clear**.

\_\_\_\_\_

130.Select the **No** button.

131.Ensure the confirmation message is dismissed.

\_\_\_\_\_

132.Ensure the **Favourites Button Data Entry** form is dismissed.

\_\_\_\_\_

133.Ensure the caption of **Favourite Button 5** remains **PEMO UHF**.

\_\_\_\_\_

134.Right click on the **PEMO UHF** Favourites button.

135.Select the **Clear** button.

136.When the confirmation message is displayed, select the **Yes** button.

137.Ensure the confirmation message is dismissed.

\_\_\_\_\_

138.Ensure the **Favourites Button Data Entry** form is dismissed.

\_\_\_\_\_

139.Ensure the caption of **Favourite Button 5** is blank.

\_\_\_\_\_

#### **SAVE BUTTON**

140.Left click on **Favourite button 5**.

141.Ensure the **Favourite Band** dialogue box is displayed.

\_\_\_\_\_

142.Select the **UIHF** button.

143.Enter **446.150** into the **RX Frequency** edit box.

144.Select the **Scan** check box.

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

146.Select the **Tone** check box.

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

148.Select the **CTSS** check box.

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

150.Select the **DTSS** check box.

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

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

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

154. Select the **Save** button.

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

\_\_\_\_\_

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

\_\_\_\_\_

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

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

166. Ensure the **Tone Frequency** list displays **100**.

\_\_\_\_\_

167. Ensure the **CTCSS** check box is selected.

\_\_\_\_\_

168. Ensure the **CTCSS Frequency** list displays **123**.

\_\_\_\_\_

169. Ensure the **DTSS** check box is selected.

\_\_\_\_\_

170. Ensure the **DTSS Code** edit box contains **567**.

\_\_\_\_\_

171. Ensure the Memory Name edit box contains "**SAVE**".

\_\_\_\_\_

172. Ensure the Comments edit box contains "**SAVE Test**".

\_\_\_\_\_

173. **Cancel** the entry.

174. Terminate the application.

**175.END OF TEST**