

[illegible]

# SOFTWARE CHECK LIST

## Page 2/8 (ALAN 42 Multi)

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**SOFTWARE CHECK LIST**  
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| NO                    | PARTICULARS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RESULT | S/W | H/W |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-----|
| <b>SCAN MODE</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |     |
| 1.                    | In standby mode. When SCAN key is pressed, unit will enter to scan mode and scan icon on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |     |     |
| 2.                    | In scan mode. When SCAN key is pressed, unit will stop scan. Channel is current channel will display and scan icon off. Then go to standby mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |     |     |
| 3.                    | This mode will scan channel up in 70 millisecond by 1 channel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |     |     |
| 4.                    | While unit is scanning. If the busy signal is occur unit will stop scan and audio unmute.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |     |     |
| 5.                    | When signal release audio off and unit wait for 7 seconds. After that start scan again.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |     |
| 6.                    | In scan mode. When Lock key is pressed, unit will enter lock key, Lock icon is appear. Scan is operate continue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |     |     |
| 7.                    | Any key pressed to stop and exit scan mode and go to standby mode and continue function in standby mode.<br>1. EMG key enter to emergency mode.<br>2. AM/FM key will enter to AM/FM or LCR mode.<br>3. Q.up/down key will enter to Q.up/down mode.<br>4. Ch up/down key will enter to Ch up/down mode.<br>5. DW key will enter to DW setting mode.<br>6. PTT key will enter to TX mode.                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |     |
| 8.                    | While scanning if power turn off unit will save last chnannel in scanning and last function to memory. But scan function not saved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |     |     |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |     |
| <b>EMERGENCY MODE</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |     |
| 1.                    | When EMG key is presed, unit will enter to emergency mode. EMG icon will blink. Channel sets to emergency channel. Emergency channel of each band don't same follow as below<br>1. Band I Emergency channel is channel 9.<br>2. Band I2 Emergency channel is channel 9.<br>3. Band D Emergency channel is channel 9.<br>4. Band D2 Emergency channel is channel 9.<br>5. Band EU Emergency channel is channel 9.<br>6. Band EC Emergency channel is channel 9.<br>7. Band E Emergency channel is channel 9.<br>8. Band F Emergency channel is channel 19.<br>9. Band PL Emergency channel is channel 9.<br>10. Band PX Emergency channel is channel 9d.<br>11. Band RU Emergency channel is channel 9d.<br>12. Band SW Emergency channel is channel 19.<br>13. Band UK Emergency channel is channel 9. |        |     |     |
| 2.                    | In emergency mode EMG key is pressed unit will exit from emergency mode EMG icon off and go to standby mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |     |     |
| 3.                    | In emergency mode any key pressed dosen't effect except Light, PHL and PTT key.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |     |
| 4.                    | If busy signal occurred. RX active and display level.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |     |     |
| 5.                    | PTT key pressed. TX active and display level.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |     |     |
| 6.                    | If power turn off unit will save last channel and last function to memory. EMG mode saved to memory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |     |     |
| 7.                    | When power on unit will enter to emergency mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |     |     |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |     |     |

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| NO                             | PARTICULARS                                                                                                                                                                                                                                                                                                                                                                                                                         | RESULT | S/W | H/W |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-----|
| <b>POWER SAVE MODE</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |
| 1.                             | In standby mode after 10 seconds, if didn't any key press or busy signal coming. Unit will go to power save mode.                                                                                                                                                                                                                                                                                                                   |        |     |     |
| 2.                             | While unit is in power save mode. If any keys pressed or busy signal income unit will goes to standby mode.                                                                                                                                                                                                                                                                                                                         |        |     |     |
| 3.                             | In EMG, SCAN and Dual watch mode power save can't operate.                                                                                                                                                                                                                                                                                                                                                                          |        |     |     |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |
| <b>DUAL WATCH SETTING MODE</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |
| 1.                             | Press DW key for goes to dual watch setting mode. DW icon will blink.                                                                                                                                                                                                                                                                                                                                                               |        |     |     |
| 2.                             | DW icon will blink 6 seconds for waiting channel change by Ch up/down and Q.up/down.                                                                                                                                                                                                                                                                                                                                                |        |     |     |
| 3.                             | Any key pressed to stop and exit dual watch setting mode DW icon is disappear and go to standby mode and continue function in standby mode<br>In dual watch setting mode any key pressed.<br>1. EMG will enter to EMG mode.<br>2. AM/FM will enter to AM/FM or LCR mode.<br>3. SCAN will enter to scan mode.<br>4. PTT will enter to TX mode.                                                                                       |        |     |     |
| 4.                             | In dual watch setting mode if Lock key pressed result to key loked and Lock icon is appear. But time setting dual watch still count.                                                                                                                                                                                                                                                                                                |        |     |     |
| 5.                             | If didn't any key for 6 seconds, unit will go to standby mode, but if key locked it goes to lock mode.                                                                                                                                                                                                                                                                                                                              |        |     |     |
| 6.                             | In dual watch setting mode. Press Ch up/down or Q.up/down keys for selection channel dual watch. After that have to press DW key again for active dual watch mode.                                                                                                                                                                                                                                                                  |        |     |     |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |
| <b>DUAL WATCH MODE</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |
| 1.                             | In dual watch mode unit will operate current channel and channel dual that selected will swap display and DW icon display.                                                                                                                                                                                                                                                                                                          |        |     |     |
| 2.                             | Any key pressed to stop and exit dual watch mode DW icon is disappear and go to standby mode and continue function in standby mode<br>In dual watch setting mode any key pressed.<br>1. EMG will enter to EMG mode.<br>2. AM/FM will enter to AM/FM or LCR mode.<br>3. SCAN will enter to scan mode.<br>4. Ch up/down will enter to Ch up/down mode.<br>5. Q.up/down will enter to Q.up/down mode.<br>6. PTT will enter to TX mode. |        |     |     |
| 3.                             | In dual watch mode if Lock key pressed result to key loked and Lock icon is appear. But dual watch is operate continue.                                                                                                                                                                                                                                                                                                             |        |     |     |
| 4.                             | During dual watch mode operates, if busy signal income dual watch mode will stop for receive signal as long as signal engage. After without signal for 7 seconds unit will return to dual watch again.                                                                                                                                                                                                                              |        |     |     |
| 5.                             | If Press DW key will stop and exit dual watch mode and go to standby mode.                                                                                                                                                                                                                                                                                                                                                          |        |     |     |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |     |     |

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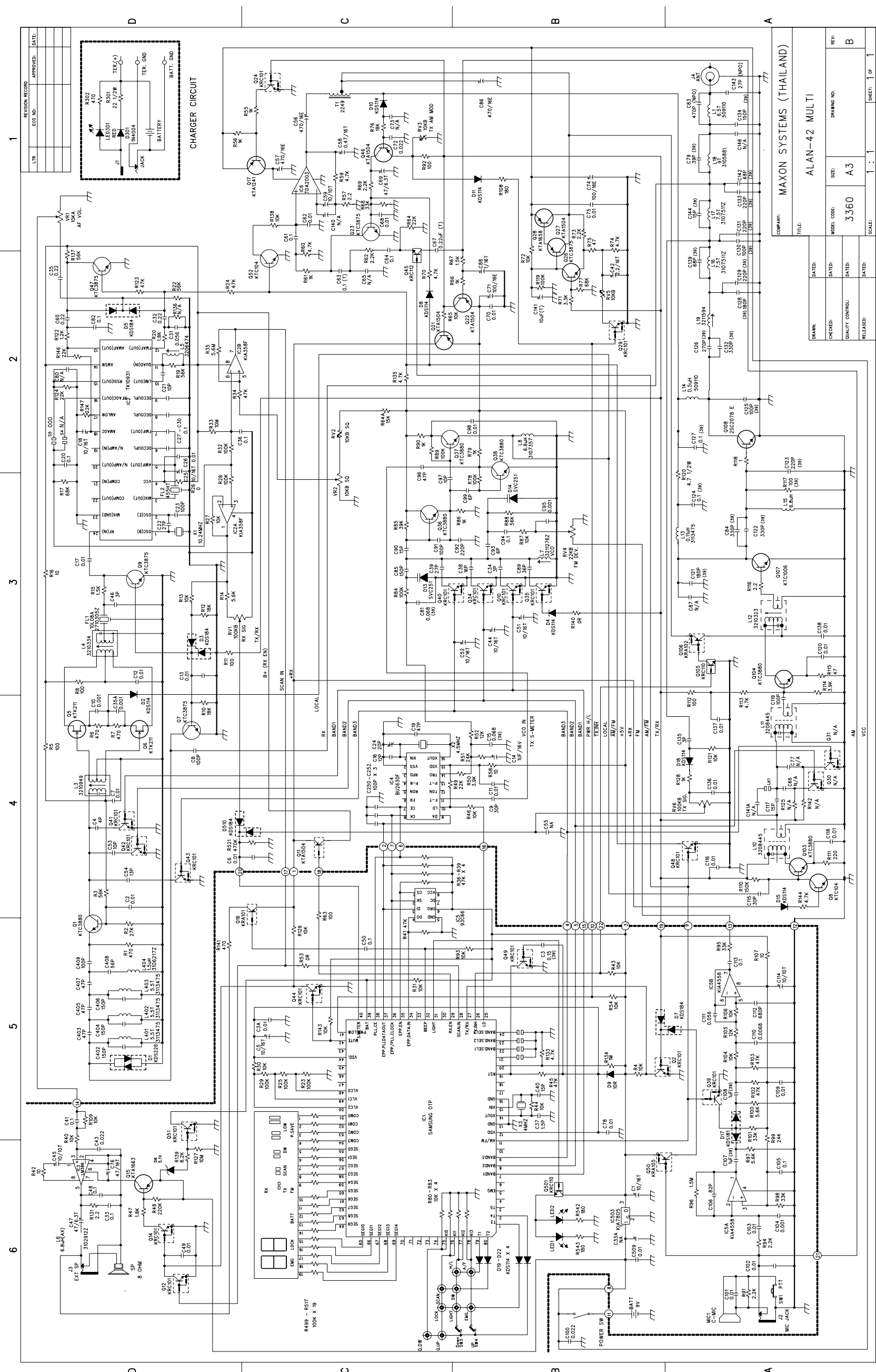
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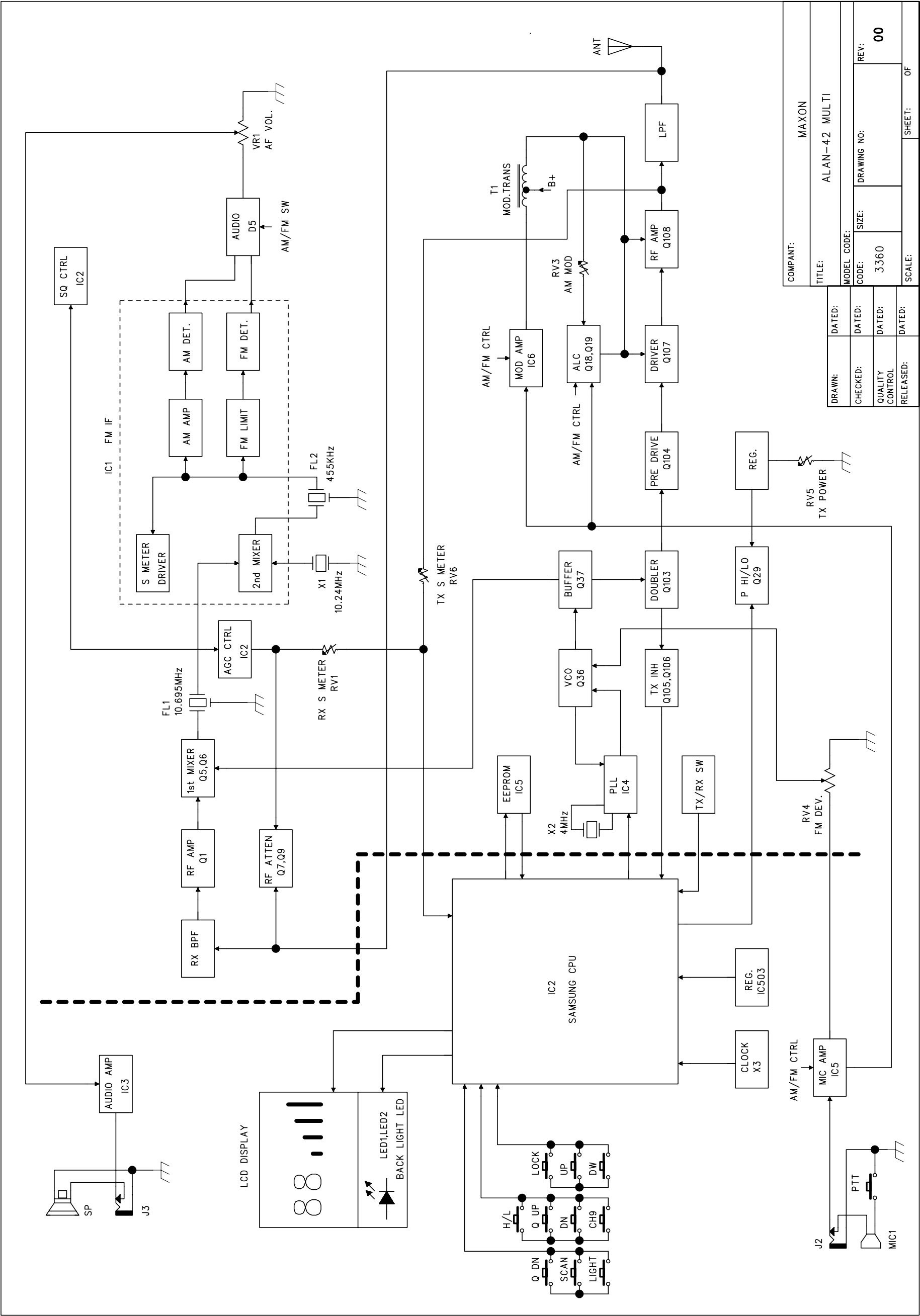
## Option Table

| Item | Input Pin Select |              |              |              | Result                      |
|------|------------------|--------------|--------------|--------------|-----------------------------|
|      | S6<br>Pin 21     | S1<br>Pin 22 | S2<br>Pin 23 | S3<br>Pin 24 |                             |
| 0    | 0                | 0            | 0            | 0            | All Band Active             |
| 1    | 0                | 0            | 0            | 1            | Band PL Active              |
| 2    | 0                | 0            | 1            | 0            | -                           |
| 3    | 0                | 0            | 1            | 1            | Band RU Active              |
| 4    | 0                | 1            | 0            | 0            | Delete Band SW              |
| 5    | 0                | 1            | 0            | 1            | Band PX Active              |
| 6    | 0                | 1            | 1            | 0            | -                           |
| 7    | 0                | 1            | 1            | 1            | Band SW Active              |
| 8    | 1                | 0            | 0            | 0            | Band PL, PX, RU, SW Disable |
| 9    | 1                | 0            | 0            | 1            | KSA Version                 |
| 10   | 1                | 0            | 1            | 0            | KSA Version                 |
| 11   | 1                | 0            | 1            | 1            | KSA Version                 |
| 12   | 1                | 1            | 0            | 0            | KSA Version                 |
| 13   | 1                | 1            | 0            | 1            | KSA Version                 |
| 14   | 1                | 1            | 1            | 0            | KSA Version                 |
| 15   | 1                | 1            | 1            | 1            | KSA Version                 |

“1” is open circuit.

“0” is short circuit.





|                      |        |             |             |
|----------------------|--------|-------------|-------------|
| COMPANT: MAXON       |        |             |             |
| TITLE: ALAN-42 MULTI |        |             |             |
| DRAWN:               | DATED: | MODEL CODE: | REV: 00     |
| CHECKED:             | DATED: | CODE: 3360  | DRAWING NO: |
| QUALITY CONTROL      | DATED: | SIZE:       | REV: 00     |
| RELEASED:            | DATED: | SCALE:      | SHEET: 0F   |

