

# Galaxy DX Radios DX2517

## Documentation Project

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### Receiver Alignment

See [Alignment Locations](#)

| SETTINGS  | CONNECTION  | ADJUST                             | ADJUST FOR  |
|---|---|------------------------------------|---|
| <b>AM/FM RF &amp; IF SENSITIVITY:</b><br>Set Radio to,<br>Band D, CH. 1 Mode AM<br>DIM/OFF/40dB switch to OFF<br>RX/TX/OFF/RX switch to RX/TX<br>Clarifier controls at center detent.<br>RF GAIN fully clockwise.<br>SQUELCH fully counter clockwise<br>NB/ANL to OFF<br>VOLUME to comfortable level.<br>RF Generator output to input<br>frequency of radio at 10uV<br>modulated 30% with 1KHz audio<br>tone. | Connect AF VTVM or<br>scope across speaker<br>terminals.<br>RF Generator to ANT<br>Jack | L5,L6,L7<br>L8,<br>L9,L10<br>L2,L3 | Adjust for max. output reading on<br>AF VTVM or Scope. Check for RX<br>sensitivity of .5uv at 10dB S/N  |
|   |   | L5,L6                              | Check sensitivity on Band A, Ch.1,<br>then Band F, Ch.40. If necessary,<br>retune L6 & L7 to balance RF<br>sensitivity from lowest to highest<br>frequency. |
| <b>SSB IF SENSITIVITY:</b><br>Set mode to USB.<br>Set RF Generator output up 1KHz for<br>USB at 1uV, no modulation.   | Same as above   | L11, L12                           | Adjust for max. output reading on<br>AF VTVM or Scope. Check for RX<br>sensitivity of .1uv at 10dB S/N  |
| <b>FM DETECTOR:</b><br>Set radio to FM mode.<br>Set FM RF Generator output to input<br>frequency of radio at 1uV modulated<br>30% with 1 KHz audio tone.<br>Reduce VOLUME as required.  | Connect AF VTVM or<br>scope to IC2 Pin 7.<br>FM RF Generator to<br>ANT Jack             | L4                                 | Adjust for maximum audio output.  |
| <b>AM/FM S-METER:</b><br>Set mode to AM.<br>RF Generator output to 100uV<br>No Modulation<br>Set Squelch fully counterclockwise.  | RF Generator to ANT<br>Jack   | VR1                                | Adjust for "S-9" meter reading.   |
| <b>SSB S-METER:</b><br>Set mode to USB.<br>Increase RF Generator output<br>up 1KHZ, No Modulation.<br>Set Squelch fully counterclockwise.   | RF Generator to ANT<br>Jack   | VR2                                | Adjust for S-9 reading.   |
| <b>AM/FM SQUELCH RANGE:</b><br>Set RF Generator output to<br>20,000uV.<br>Set Squelch Control fully clockwise.  | Same as above   | VR4                                | Adjust to where the squelch just<br>closes  |
| <b>SSB SQUELCH RANGE:</b><br>Set mode to USB.<br>Increase RF Generator  | Same as above   | VR3                                | Adjust to where the squelch just<br>closes  |

|  |  |    |                                |
|--|--|----|--------------------------------|
| output up 1KHZ for USB.<br>Set Squelch Control fully clockwise.  |  |    |                                |
| <b>NOISE BLANKER:</b><br>Set radio to<br>Band D, CH. 2<br>Set mode to AM.<br>Set NOISE BLANKER switch to ON<br>Set RF generator output frequency<br>10KHz below radio input frequency<br>at 1000uV signal modulated at 30%<br>with 1 KHz audio tone. | Connect DC Voltmeter to<br>TP1 (Cathode of D2) | L1 | Adjust for maximum DC voltage. |

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**Disclaimer:** Although the greatest care has been taken while compiling these documents,  
we cannot guarantee that the instructions will work on every radio presented.