

Galaxy DX Radios DX44V

Documentation Project

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Transmitter Alignment

See [Required test equipment](#)

See [Alignment Locations](#)

SETTINGS	CONNECTION	ADJUST	ADJUST FOR
CARRIER OSCILLATOR OFFSET, AM TX ADJUST: Set to TX Mode Freq. to 26.965MHz Band D	Connect Frequency Counter to (top bare lead of R151).	L26	AM/TX mode: Adjust for 10.6950MHz $\pm$ 20 Hz.
RF AMP CHAIN: Set mode to AM. Set RF power MAX .	Connect wattmeter to ANT output.	L43, L44, L42, L40, L33	Key TX & adjust (in order) for maximum RF output . Recheck power at lowest & highest channels; readjust if necessary for balance across entire bandwidth.
AM CARRIER POWER HIGH: Set mode to AM, MIKE GAIN at minimum. RF Power to MAX.	Connect wattmeter to ANT output.	VR13	Key TX; adjust for for 7 watts CAUTION! Do not exceed this level. Damage to power transistors and inability to achieve 100% modulation from insufficient audio power will result.
AM CARRIER POWER LOW: RF Power to LO .	Connect wattmeter to ANT output.	VR16	Key TX & adjust for 1 Watt output
RF METER: Set mode to AM, MIKE GAIN at minimum.	Connect wattmeter to ANT output.	VR8	Adjust so panel meter agrees with Wattmeter.
AMC: Mode to AM. MIKE GAIN to maximum. Inject audio signal of 1KHz 30mV (-18 dBm) at MIC jack.	Connect modulation meter to ANT output.	VR14	Adjust for 100% modulation depth.
FM DEVIATION: Mode to FM MIKE GAIN to maximum. Inject 1 KHz, 30 mV audio signal at mike jack.	Connect deviation meter to ANT output.	VR5	Adjust for total deviation of 4.5 KHz.

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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.