

## TRANSMITTER SECTION

### 1. TEST EQUIPMENT REQUIRED

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|-------------------------------|----------------------------------|
| A. RF POWERMETER              | E. DC POWER SUPPLY(13.2V, 3AMP.) |
| B. 50 OHM LOAD(NON-INDUCTIVE) | F. SPECTRUM ANALYZER             |
| C. RF ATTENUATOR              | G. FREQUENCY COUNTER             |
| D. AUDIO GENERATOR            | H. COUPLER                       |

### 2. ALIGNMENT PROCEDURE

STEP	SETTING	CONNECTION	ADJUST	ADJUST FOR
1	RF POWER STAGE: CONDITION: TRANSMIT VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 19 MOD: AM	CONNECT DUMMY LOAD AND RF POWER METER TO THE EXT-ANT JACK ON THE SET	T201 L203 L206	ADJUST FOR MAX. INDICATION ON RF POWER METER
	MOD: FM		VR501	
2	DEVIATION & MODULATION ADJUST: CONDITION: TRANSMIT VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 19 MIC VOLUME: MAX	CONNECT AUDIO GENERATOR (1250Hz) TO SET EXT MIC AND MIC DUMMY BOX MODULATION METER CHECK	FM: VR502 AM: VR604	FM: 2.2KHz $\pm$ 0.2 AM: 80% - 90%
3	TX MODULATION LEVEL METER CONDITION: TRANSMIT VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 19 FM(1.5KHz) OR AM(60%)	CONNECT AUDIO GENERATOR (1250Hz) TO SET EXT MIC AND MIC DUMMY BOX MODULATION METER CHECK	VR701	ADJUST SO THAT SPEC. IN S-9 LEVEL METER
4	SECOND HARMONIC CHECK CONDITION: TRANSMIT VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 19	CONNECT RF POWER METER WITH DUMMY LOAD TO SPECTRUM ANALYZER THROUGH COUPLER/-20dB ATTENUATOR TO EXT-ANT. ON THE SET		SUPPRESSION OF THE 2nd HARMONIC MUST BE LOWER -54dBm CHECK FOR THE OTHER CH.