

# Adjustment

## 1) DJ-G1T Adjustment

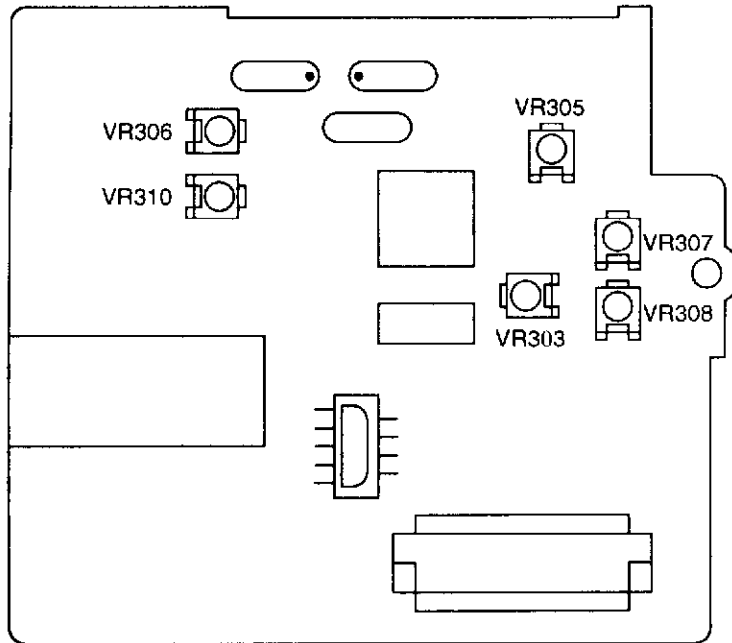
Item	Freq. (MHz)	TX/RX	Measurement point or condition			Adjustment Point			Specification
VHF VCO	146.05	RX	RF	A	P/D	VCO	A	L202	1.0+/-0.1V
UHF VCO	445.05	RX	RF	A	P/D	VCO	A	L203	1.8+/-0.1V
Reference Frequency	146.05	TX	LOW	TX Frequency		RF	A	TC1	146.05MHz+/- 50Hz
VHF Sensitivity	146.05	RX	12dB SINAD is MAX			RF	A	L12 L13 L15	12dB SINAD below -9dB $\mu$ V (ENF)
UHF Sensitivity	445.05	RX	Check			None			12dB SINAD below -5dB $\mu$ V (ENF)
S Meter	146.05	RX	Modulation Frequency: 1kHz Deviation: +/-3.5kHz Input Level: -3dB $\mu$ V (EMF)			IF	A	VR310	1 digit on
TX Power	146.05	TX	HI	TX Power (13.8V supplied from DC Jack)		IF	A	VR308	5+/-0.1W
			MID			IF	A	VR307	1+/-0.1W
			LOW						100 ~ 400mW
TX Spurious	146.05	TX	HI	TX Spurious (13.8V supplied from DC Jack)		None			Below -60dBc
			LOW						Below -60dBc
Microphone Deviation	146.05	TX	LOW	Mod. freq.: 1kHz Input: 50mV		IF	A	VR305	4.5+/-0.1kHz
DTMF Deviation				Push "1" key on key pad.		IF	A	VR306	3.1+/-0.1kHz
CTCSS Deviation				Sub Tone freq. is 88.5Hz.		IF	A	VR303	800+/-100Hz
1750Hz Tone Burst Deviation				Push Tone Burst switch.		IF	A	VR304	3.0+/-0.1kHz

## 2) DJ-G1E Adjustment

Item	Freq. (MHz)	TX/RX	Measurement point or condition			Adjustment Point			Specification
VHF VCO	145.05	RX	RF	A	P/D	VCO	A	L202	0.9+/-0.1V
UHF VCO	433.05	RX	RF	A	P/D	VCO	A	L203	1.4+/-0.1V
Reference Frequency	145.05	TX	LOW	TX Frequency		RF	A	TC1	145.05MHz+/- 50Hz
VHF Sensitivity	145.05	RX	12dB SINAD is MAX			RF	A	L12 L13 L15	12dB SINAD below -9dBμV (ENF)
UHF Sensitivity	433.05	RX	Check			None			12dB SINAD below -5dBμV (ENF)
S Meter	145.05	RX	Modulation Frequency: 1kHz Deviation: +/-3.5kHz Input Level: -3dBμV (EMF)			IF	A	VR310	1 digit on
TX Power	145.05	TX	HI	TX Power (13.8V supplied from DC Jack)		IF	A	VR308	5+/-0.1W
			MID			IF	A	VR307	1+/-0.1W
			LOW						100 ~ 400mW
TX Spurious	145.05	TX	HI	TX Spurious (13.8V supplied from DC Jack)		None			Below -60dBc
			LOW						Below -60dBc
Microphone Deviation	145.05	TX	LOW	Mod. freq.: 1kHz Input: 50mV		IF	A	VR305	4.5+/-0.1kHz
DTMF Deviation				Push "1" key on key pad.		IF	A	VR306	3.1+/-0.1kHz
CTCSS Deviation				Sub Tone freq. is 88.5Hz.		IF	A	VR303	800+/-100Hz
1750Hz Tone Burst Deviation				Push Tone Burst switch.		IF	A	VR304	3.0+/-0.1kHz

### 3) Adjustment Points

#### IF Unit



#### RF Unit

