

EXHIBIT G

Paragraph 2.983(d)(9)

Tune Up Procedure



Retlif Testing Laboratories

Test Report Number R-7515-1
FCC ID: CCRVH3

DOCUMENT TITLE : ALIGNMENT PROCEDURE FOR SAMSON VHF HANDHELD TRANSMITTER

1. DEFINITION

This document is used to define the alignment procedures for the transmitter of Samson VHF Wireless Microphone.

2. EQUIPMENT

1. Spectrum Analyser (SA)
2. Frequency Counter (FC)
3. 500MHz Oscilloscope (Scope)
4. Audio Analyser (AA)
5. Signal Generator (SG)
6. Digital Voltmeter (DVM)
7. Modulation Analyser (MA)
8. DC Power Supply (DCPS)

3. TUNING PROCEDURES FOR HANDHELD TRANSMITTER

STEP	CONNECTION	INPUT	ADJUST	PROCEDURE
1) Biasing	+9V to Battery +ve terminal and DVM to TP1 terminal		VR301	DVM should read 3.0 Volts.
2)Transmission coil	+9V to Battery +ve terminal and SA to MG terminal.		L302,L303, L304,L305, C328,C337	Adjust for maximum SA readings at $116 \pm 3 \text{dBuV}$.
	FC to MG terminal.		L301	Adjust for assigned frequency
3) Audio Level	AA to MI input terminal MA to MG terminal.	Set AA to -37.4dBV at 1KHz Increase the frequency to 10KHz.	VR201	Adjust VR201 until MA reads $15 \pm 2 \text{KHz}$. MA should read $22 \pm 3 \text{KHz}$.

4) Link Audio Distortion	AA to MI input terminal MA to antenna output. Receiver output to AA.	Set AA to -37.4dBV at 1KHz	VR202	Adjust for min. distortion of < 1.0 %
--------------------------	--	----------------------------	-------	--

APPENDIX

CHANNEL	MIC Transmitter Frequency
0	174.6
2	181.6
9	199.6
11	208.2
13	213.2
16	173.8
17	174.1
18	174.5
19	175