

EXHIBIT G

Paragraph 2.983(d)(9)

Tune Up Procedure



Retlif Testing Laboratories

Test Report Number R-8034-1
FCC ID: CCRT32M

Items	Adjustment Points, Settings	Equipment	Display Value	Notes
Jig Initial Setting Status	9V power supply voltages to PCB.			
	AF signal supplied to PCB is off.			
	POWER SW ON			
	AUDIO SW ON			
PCB Initial Setting Status	GROUP SW 0			
	CHANNEL SW 0			At EEPROM writing.
	GROUP SW 4			At EEPROM writing.
	CHANNEL SW 3			M type
Set to jig.				M type
Check phantom voltages.				
Writing to CPU model	Writing	PC	5V	within +/- 0.1%.
Frequency Adjustment	VC1	PC		each band type
Distortion Adjustment	AF sine wave signal supplied to PCB / 1kHz -16dBv.	Frequency Counter	Center Frequency +/- 4%.	
	VR1			
Modulation Factor Adjustment	AF sine wave signal supplied to PCB / 1kHz -30dBv.	Distortion Meter	2.5% - 4%	
	VR3			
Check Distortion Ratio	AF sine wave signal supplied to PCB / 1kHz -42dBv.	AF Level Meter	0dBv	Δf 11.25kHz-18.75kHz
Check Modulation Factor		Distortion Meter	0.5%	less than 2% under spec.
Check INST Modulation Factor	AF sine wave signal supplied to PCB / 1kHz -15dBv.	AF Level Meter	-12dBv	+/-3dB
Check RF Level		AF Level Meter	-12dBv	+/-4dB(T32 only)
Check Spurious		Spectrum Analyzer	7dBm	10mW within +0dB-6dB
Check AUDIO SW Operation	AUDIO SW OFF	Spectrum Analyzer	Less than -30dBm	Less than 1uW.
Check POWER SW Operation	POWER SW OFF	AF Level Meter	Less than -90dBv	Display Ability Minimum Point
Check Consumption Current	POWER SW ON	Spectrum Analyzer	RF off immediately after SW changed.	
	Power supply voltages to PCB 9V.	Current Meter	35mA-45mA	
	Power supply voltages to PCB 7.4V.		Green LED lights.	
Check LED	Power supply voltages to PCB 6.8V.		Green LED lights.	
	Power supply voltages to PCB 6.3V.		Orange LED lights.	
	Power supply voltages to PCB 5.4V.		Red LED lights.	
			LED off.	

EXHIBIT H

Paragraph 2.983(e)

Test Data and Measurement Procedures



Retlif Testing Laboratories

Test Report Number R-8034-1
FCC ID: CCRT32M

EXHIBIT H

Paragraph 2.985(a)

Effective Radiated Power (Power Output)



Retlif Testing Laboratories

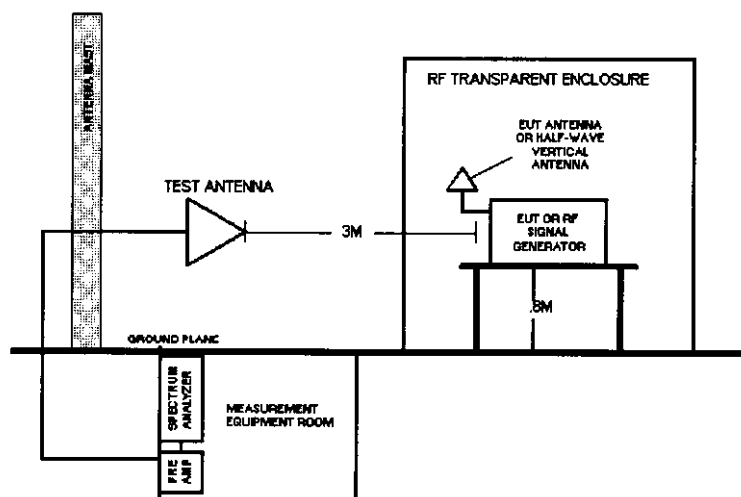
Test Report Number R-8034-1
FCC ID: CCRT32M

EFFECTIVE RADIATED POWER (POWER OUTPUT) (Para. 2.985(a))

A. Measurement Procedure:

The transmitter under test was placed on an 80cm high turntable located on an Open Air Test Site (OATS). The antenna of the transmitter under test was vertically polarized. A dipole antenna (also vertically polarized) was placed 3 Meters away. The dipole antenna was raised and lowered and the turntable rotated until the maximum field strength was measured. The transmitter under test was then removed and was replaced with a dipole antenna and signal generator. The output of the signal generator was then adjusted until the field strength matched that of the transmitter under test. The input of the dipole from the signal generator was then measured and this was the level determined to be the effective radiated power. This test was performed on the lower and upper areas of the device's operating frequency range.

Setup of the test is shown below:



B. Test Results:

The results for the above test are shown of the following single data sheet.



Retlif Testing Laboratories

Test Report Number R-8034-1
FCC ID: CCRT32M

EXHIBIT H

Paragraph 2.987

Modulation Characteristics



Retlif Testing Laboratories

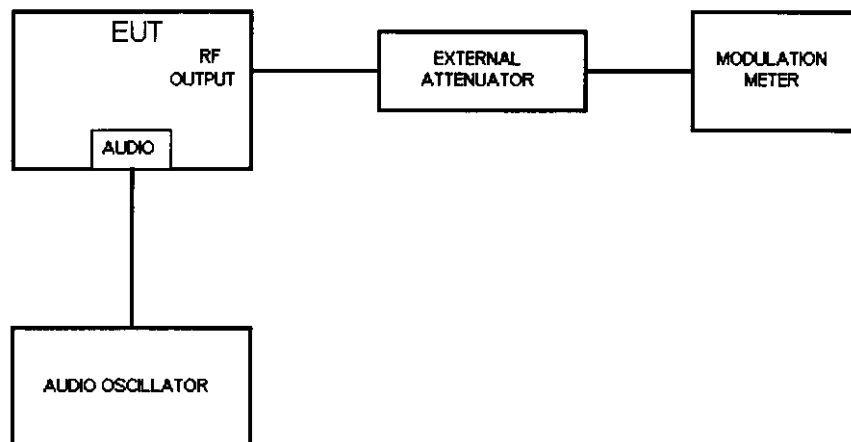
Test Report Number R-8034-1
FCC ID: CCRT32M

MODULATION CHARACTERISTICS (2.987)

A. Measurement Procedure:

An Audio Oscillator was coupled to the Audio Input of the transmitter under test. The RF Output at the antenna terminals was loosely coupled to a modulation meter as shown below. The Audio Input level was adjusted from -60dBm to +10dBm at each frequency listed herein. At each test frequency and level, the FM modulation was recorded.

Setup of the above test is shown below:



C. Test Results:

The results for the above test are shown in the following two data sheets.



Retlif Testing Laboratories

Test Report Number R-8034-1
FCC ID: CCRT32M

	Retlif Testing Laboratories
	Retlif Job Number R-8034-1

Test Method:	MODULATION CHARACTERISTICS, Para 2.987		
Customer:	Samson Technologies	Job No.	R-8034-1
Test Sample:	Wireless Beltpack Transmitter	FCC ID	CCRT32M
Model No.:	T32M	Serial No.	N/A
Operating Mode:	EUT continuously transmitting 803 Mhz signal		
Test Specification:	FCC part 74; Experimental Radio, Auxiliary, Special broadcast and other program distributional services paragraph: 74.861		
Technician:	Dennis Cortes	Date:	April 18,1999

Notes: Level adjustment set at maximum.
Temp:23C Humidity:21C

Audio Frequency	Input Level	Deviation	Deviation Limit	Audio Frequency	Input Level	Deviation	Deviation Limit
Hz	dBm	Khz	Khz	Hz	dBm	Khz	Khz
50	-60	21.0	75.0	2500	-60	21.5	75.0
50	-50	21.0		2500	-50	21.6	
50	-40	20.8		2500	-40	21.6	
50	-30	21.6		2500	-30	21.6	
50	-20	21.8		2500	-20	21.5	
50	-10	21.7		2500	-10	22.0	
50	0	22.0		2500	0	23.4	
50	10	23.2		2500	10	27.6	
100	-60	21.3		5000	-60	20.4	
100	-50	21.4		5000	-50	20.4	
100	-40	21.5		5000	-40	21.0	
100	-30	21.5		5000	-30	21.3	
100	-20	21.6		5000	-20	21.6	
100	-10	22.0		5000	-10	22.4	
100	0	22.8		5000	0	26.5	
100	10	25.0		5000	10	31.0	
500	-60	21.0		10000	-60	21.0	
500	-50	21.0		10000	-50	21.5	
500	-40	21.2		10000	-40	21.8	
500	-30	21.3		10000	-30	21.8	
500	-20	21.2		10000	-20	23.4	
500	-10	21.4		10000	-10	26.2	
500	0	22.6		10000	0	34.7	
500	10	24.7		10000	10	39.0	
1000	-60	20.1		15000	-60	20.8	
1000	-50	20.5		15000	-50	21.3	
1000	-40	20.6		15000	-40	21.5	
1000	-30	20.8		15000	-30	21.7	
1000	-20	20.7		15000	-20	24.0	
1000	-10	21.0		15000	-10	30.4	
1000	0	22.0	V	15000	0	40.4	V
1000	10	24.7	75.0	15000	10	41.5	75.0



Retlif Testing Laboratories

Retlif Job Number R-8034-1