

**SPURIOUS EMISSIONS (TX-RADIATED)  
HIGH POWER**

FCC 47 Part 2.993

TEST PARAMETERS	
AMBIENT TEMPERATURE ( °C )	17.5
RELATIVE HUMIDITY ( % )	44
RF POWER LEVEL ( Watts )	90
STANDARD VOLTAGE ( Volts )	115 AC

**RESULTS:**

FREQUENCY OF SPURIOUS EMISSION MHz		SPURIOUS EMISSION LEVEL (dBm)
Harmonic	$f_c = 835.1$ MHz	49.54 dBm
$2 * f_c$	1670.2	-19.9
$3 * f_c$	2505.3	-31.9
$4 * f_c$	3340.4	-34.9
$5 * f_c$	4175.5	
$6 * f_c$	5010.6	
$7 * f_c$	5845.7	
$8 * f_c$	6680.8	
$9 * f_c$	7515.9	
$10 * f_c$	8351	
UNCERTAINTY (dB)		±

**LIMIT CLAUSE:**

FCC 47 Part 90.209

FCC Bandwidth Type	Frequency Range MHz	Audio Bandwidth KHz	Power verse Frequency Mask	
			Frequency Limitation	Power Level
(C) (1) (iii)	< 947	20 (WB)	$f_c \pm 50$ KHz < f	-13 dBm
(C) (2) (iii)	896 to 901 935 to 940	13.6 (NB)	$f_c \pm 15$ KHz < f	-13 dBm

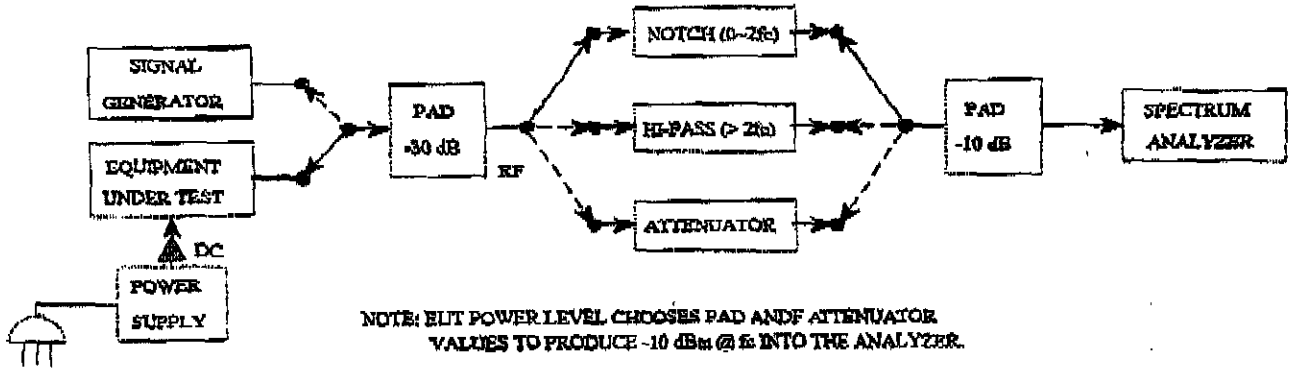
**REMARKS:** No other emissions were detected that had a level greater than 20dB below the limit.

**TRANSMITTER SPURIOUS EMISSIONS (CONDUCTED)  
HIGH POWER**

FCC 47 Part 2.991

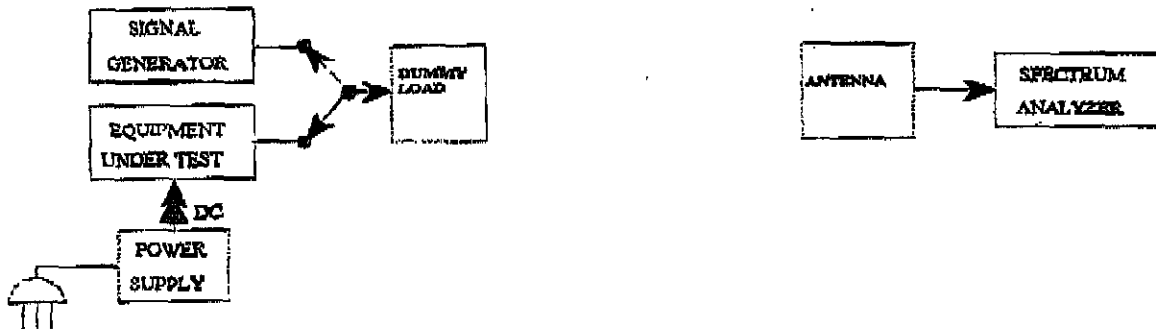
**TEST EQUIPMENT USED: 4, 5, 9, 11, 12, 16**

**TEST SET-UP: TX CONDUCTED**



**TEST SETUP: TX- RADIATED  
HIGH POER**

**TEST EQUIPMENT USED: 1, 9, 24**



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**HIGH POWER**

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**TEST EQUIPMENT LIST:**

To facilitate inclusion on each page, the test equipment used is identified (numbered) and listed against the related test in the report.

No	Equipment Type	Model number	Serial Number	Cal Due
1	Signal Generator	HP 8642B (Opt 001)	2535A00469	08/02/96
2	Modulation Analyser	HP 8901B (Opt 002)	2441A00393	19/10/95
3	Audio Analyser	HP 8903A	2308A02597	10/02/96
4	Power Supply	HP 6032A	2441A-0041	26/09/95
5	Controller	HP 9836	2143A00703	N/A
6	Environmental Chamber	Contherm	E3397	17/02/96
7	Mixer	Minicircuits ZAD-11	77008	N/A
8	4 Port Combiner	Rhode & Schwarz	300971/28	31/05/95
9	Spectrum Analyser	HP8596E (Opt 140)	3346A00213	07/12/95
10	Oscilloscope	Phillips PM3350	9444-033-50400	N/A
11	Plotter	HP 7440A	2539AS3151	N/A
12	Signal Generator	HP8665A(Opt 01,08,10)	3026A0050	19/08/95
13	Audio Volt Meter	Trio VT-106	0080023	28/03/96
14	Audio Generator	Trio AG 203	6070199	28/04/96
15	Attenuator	Weinschell 45-30-34	JW663	31/05/95
16	Attenuator	Weinschell 40-20-33	CJ404	31/05/95
17	Attenuator	Weinschell 24-10-34	AM3603	31/05/95
18	RF Attenuators	JFW 50P-076		28/09/95
19	RF Attenuators	JFW 50P-077		28/09/95
20	RF Load	Weinschel F1426	AE2490	31/05/95
21	Antenna	Emco DRG 3115	2084	
22	Antenna	Ailtech DM 105A-T2	J1417-103	
23	Antenna	Ailtech DM 105A-T3	J1418-108	
24	Antenna	Emco 3102	2572	
25	Antenna	Biconical		
26	Antenna	Singer 93490-1	523	