

**SPURIOUS EMISSIONS (TX-CONDUCTED)  
 LOW POWER**

FCC 47 Part 2.991

TEST PARAMETERS	
AMBIENT TEMPERATURE (°C)	17.5
RELATIVE HUMIDITY (%)	45
RF POWER LEVEL (Watts)	20
STANDARD VOLTAGE (Volts)	115 AC

**RESULTS:**

FREQUENCY OF SPURIOUS EMISSION MHz		SPURIOUS EMISSION LEVEL (dBm)	
Harmonic	$f_c = 835.1$ MHz	43.00	dBm
$2 * f_c$	1670.2		
$3 * f_c$	2505.3		
$4 * f_c$	3340.4		
$5 * f_c$	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 emissions were detected that had a level greater than 20dB below the limit.

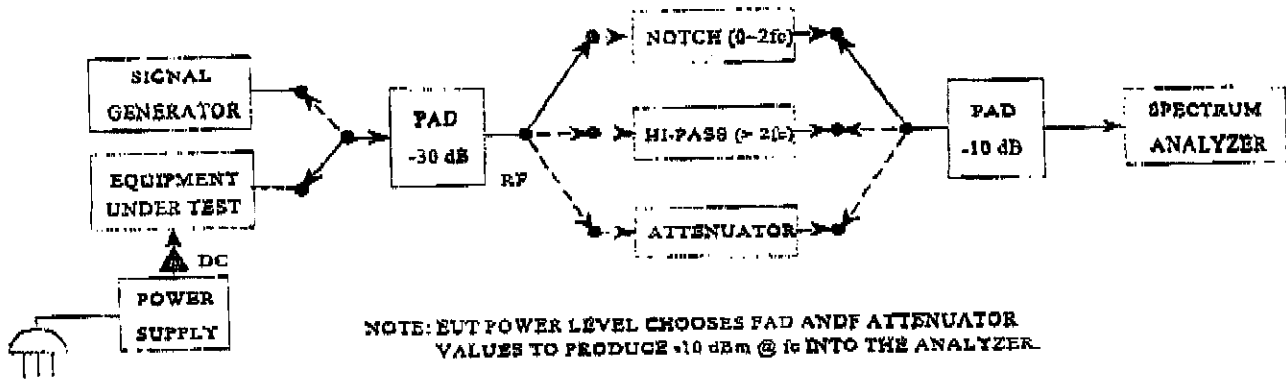
Copy 1 of 2

# TRANSMITTER SPURIOUS EMISSIONS (CONDUCTED) LOW POWER

FCC 47 Part 2.991

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

TEST SET-UP: TX CONDUCTED



**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)	2512A00176	28/02/96
2	Modulation Analyser	HP 8901B (Opt 002)	2441A00393	04/10/96
3	Audio Analyser	HP 8903A	2308A02597	10/02/96
4	Power Supply	HP 6032A	2441A-0041	13/10/96
5	Controller	HP 9836	2143A00703	N/A
6	Environmental Chamber	Contherm	E5397	17/02/96
7	Mixer	Minicircuits ZAD-11	77008	N/A
8	4 Port Combiner	Rhode & Schwarz	300971/28	28/06/96
9	Spectrum Analyser	HP8596E (Opt 140)	3346A00213	07/12/95
10	Oscilloscope	Phillips FM3350	9444-033-50400	N/A
11	Plotter	HP 7440A	2539A53151	N/A
12	Signal Generator	HP8665A(Opt 01,08,10)	3026A0050	11/09/96
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	25/01/96
16	Attenuator	Weinschell 40-20-33	CJ404	25/01/96
17	Attenuator	Weinschell 24-10-34	AM3603	25/01/96
18	RF Attenuators	JFW 50P-076		25/01/96
19	RF Attenuators	JFW 50P-077		25/01/96
20	RF Load	Weinschel F1426	AE2490	25/01/96
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	