

Project Number: 99ME45100

Issue Date: December 8, 1999

File Number: NC3932

Model: FFPA-8689-60

FCC ID: MCD FFPA8689-60

Conducted and Radiated Spurious and Harmonic Emissions Measurements

Test Procedure

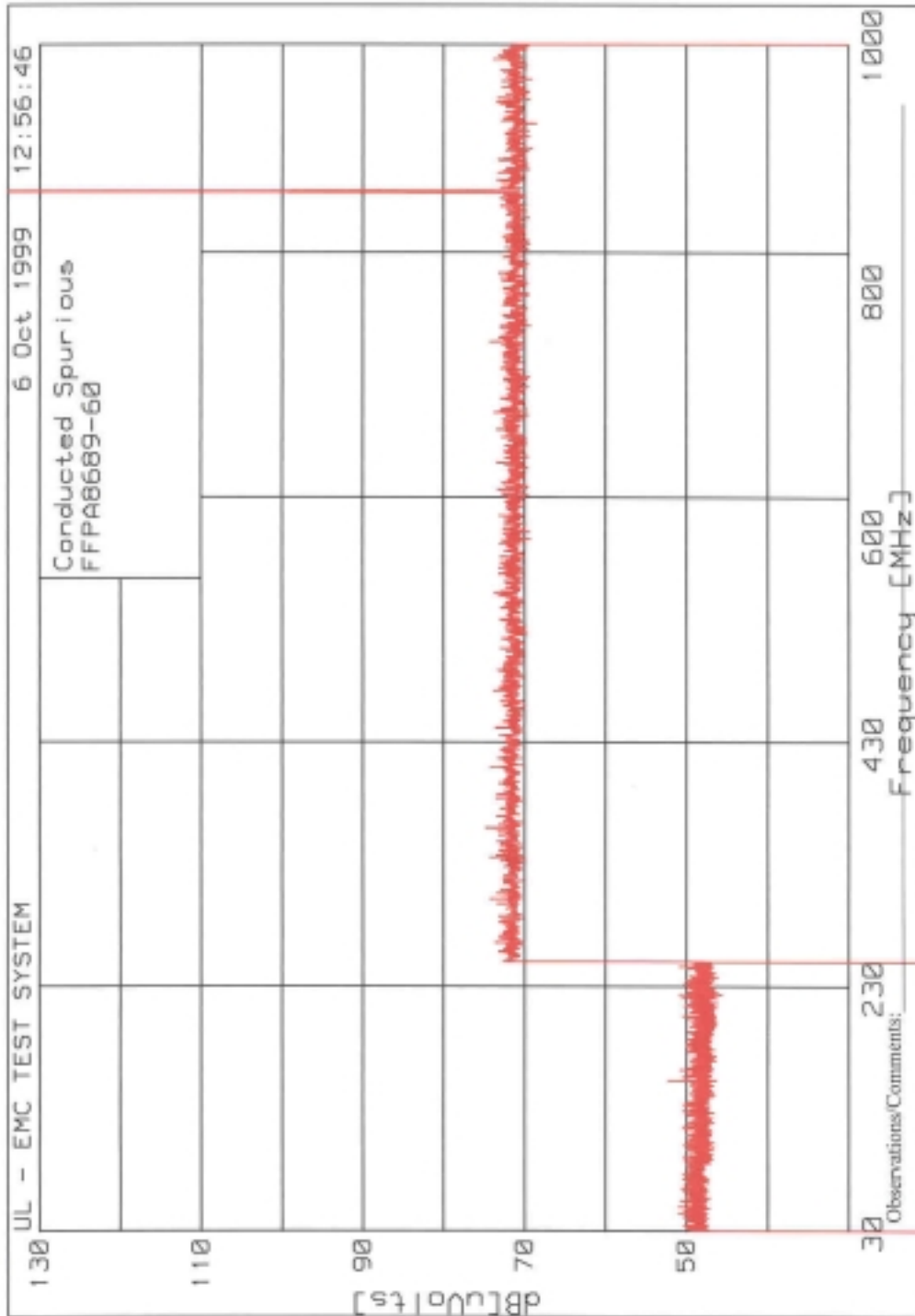
A CW signal at 880.9MHz as injected into the amplifier. The input was driven to produce maximum output power (60W). Conducted spurious and harmonic emissions were measured at the amplifier output between 30MHz and 10GHz. Also, from 1 to 10GHz, the radiated spurious and harmonic emissions were measured in a 10-meter anechoic chamber at a distance of 3 meters.

Test Results

All measurements of conducted and radiated spurious and harmonic emissions were greater than 60dB down from the amplitude of the fundamental frequency of the amplifier.

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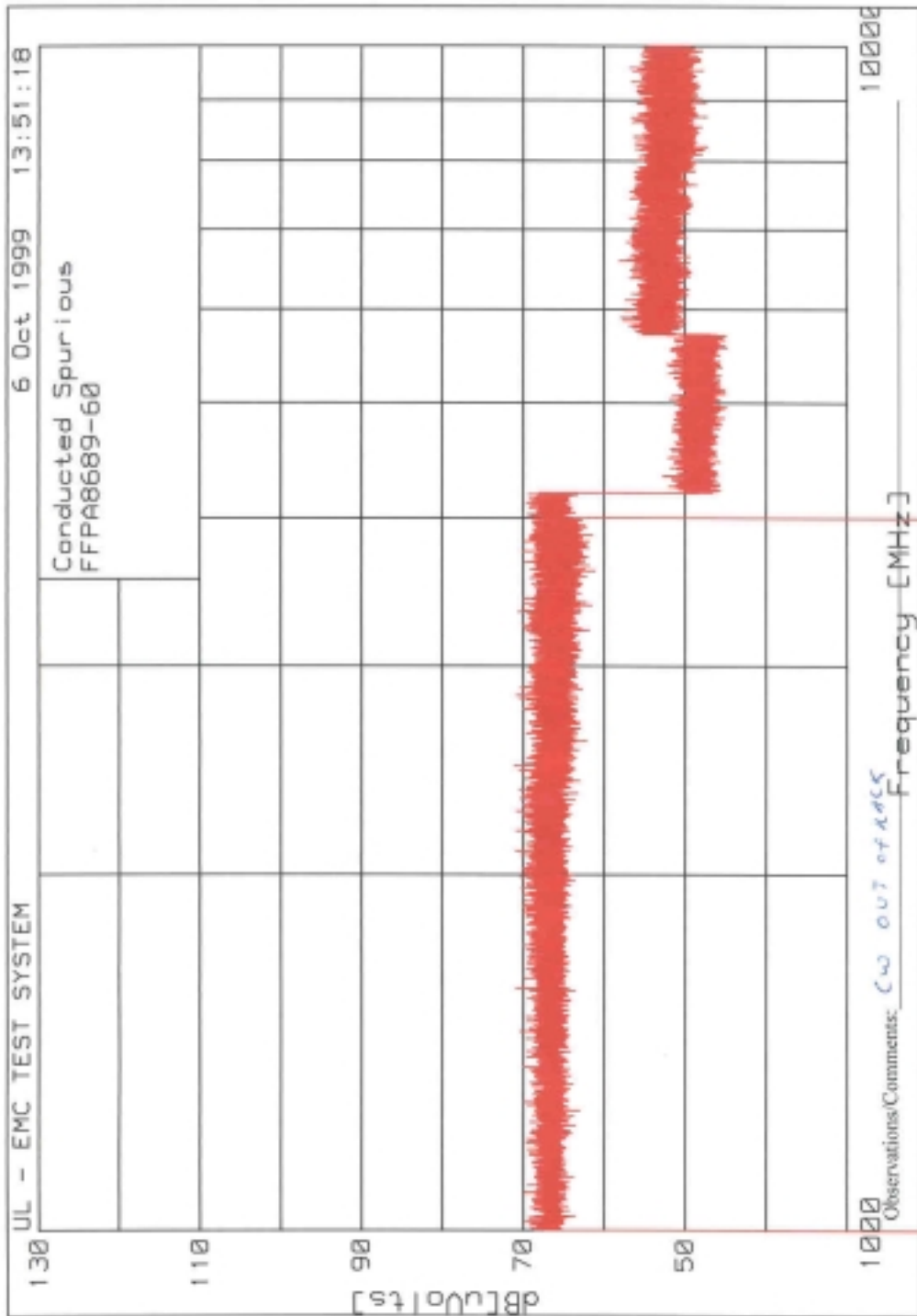
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Tested By: *BDeL*

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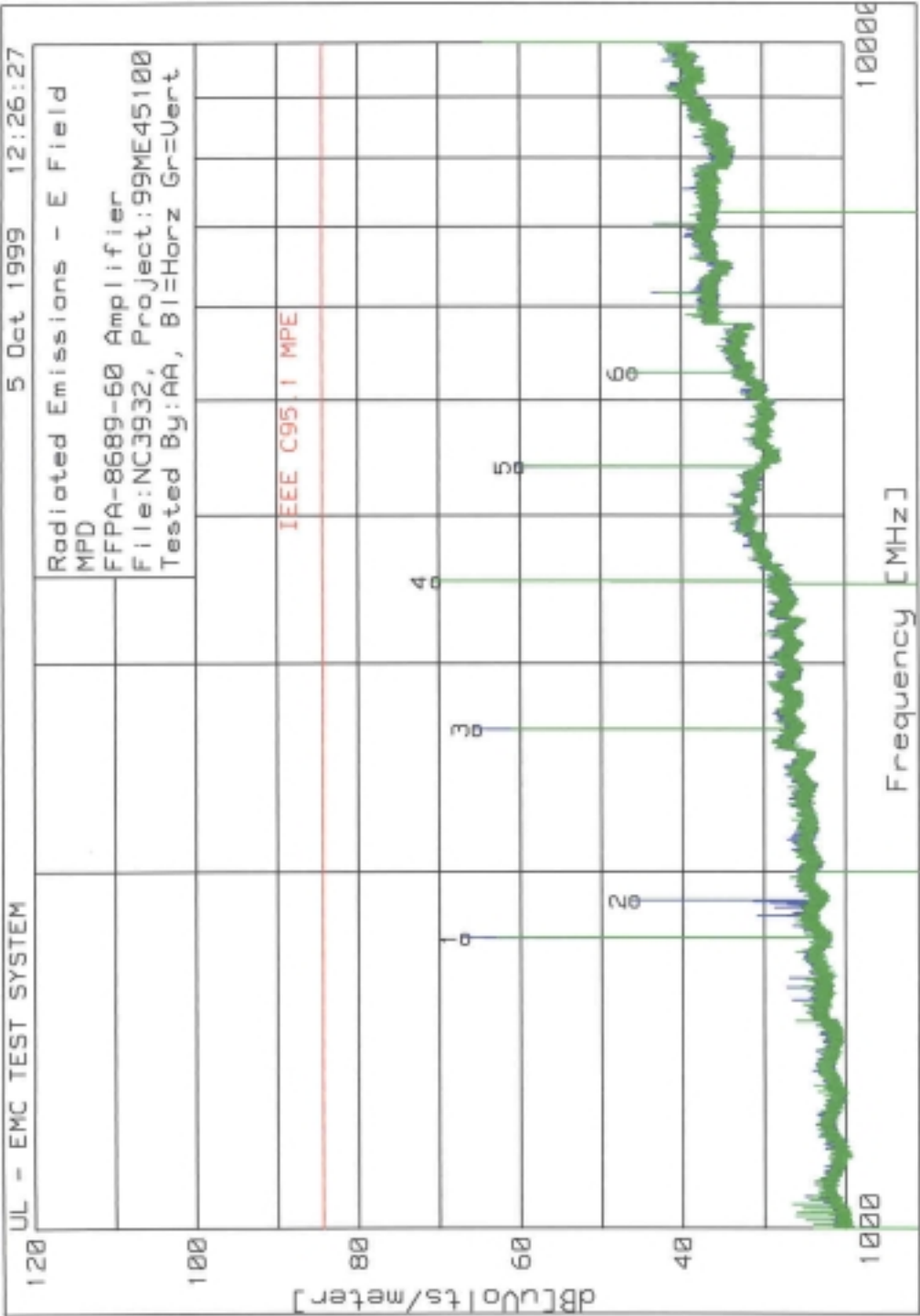
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Tested By: W. W. W. W.

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UL - EMC TEST SYSTEM

Date Tested: 5 Oct 199
12:26:27

MPD
FFPA-8689-60 Amplifier
File:NC3932, Project:99ME45100
Tested By:AA, Bl=Horz Gr=Vert

MKR	TEST	METER	GAIN/LOSS	TRANSDUCER	LEVEL	LIMIT:1	2	3	4
NO.	FREQUENCY	READING	FACTOR	FACTOR		dB[uVolts/meter]			
	[MHz]	[dB(uV)]	[dB]	[dB]					
1	1759.324	73.3 pk	-34.1	28	67.2	84.4	N/A	N/A	N/A
2	1892.214	51.6 pk	-34	28.7	46.3	84.4	N/A	N/A	N/A
3	2639.205	67.6 pk	-33.2	31.3	65.7	84.4	N/A	N/A	N/A
4	3519.637	69 pk	-31	32.7	70.7	84.4	N/A	N/A	N/A
5	4397.509	55.6 pk	-29.5	34.3	60.4	84.4	N/A	N/A	N/A
6	5277.691	38.4 pk	-27.1	35.1	46.4	84.4	N/A	N/A	N/A

pk - Peak detector
qp - Quasi-peak detector
av - Average detector
tm - Trace Math Result

LIMIT 1 : IEEE C95.1 MPE
LIMIT 2 : NONE
LIMIT 3 : NONE
LIMIT 4 : NONE