

EMCE ENGINEERING, INC.
44370 S. GRIMMER BLVD
FREMONT, CA 94538

PERFORMED FOR: HARRIS MCD
TEST SPECIMEN: 5.8 GHZ SPREAD SPECTRUM RADIO

MODEL NUMBER: B1, B2 1T1
SERIAL NUMBER: 001, 001

LOCATION: HORIZ POL

FINAL FCC-B, RADIATED RESULTS:

Freq MHz	Analyzer Reading dBuV	CF dB	Correct Reading dBuV/m	Spec Limit dBuV/m	margin dB	Ht cm	Angle Deg
168.58	31.8	-11.6	20.15	43.00	22.85	150	360
195.17	34.0	-10.6	23.40	43.00	19.60	150	360
280.01	35.3	-7.6	27.72	43.00	15.28	150	325
366.20	35.8	-4.4	31.38	47.00	15.62	150	360

NONE OUT OF SPECIFICATION

COMMENTS: Test Dist = 3.0 m. QP detector ON.

SAMPLE CALCULATION:

At 366.20 MHz

Analyzer Reading = 35.80 dBuV

Correction Factor, CF, = AF 17.80 dB + Cable 4.78 dB

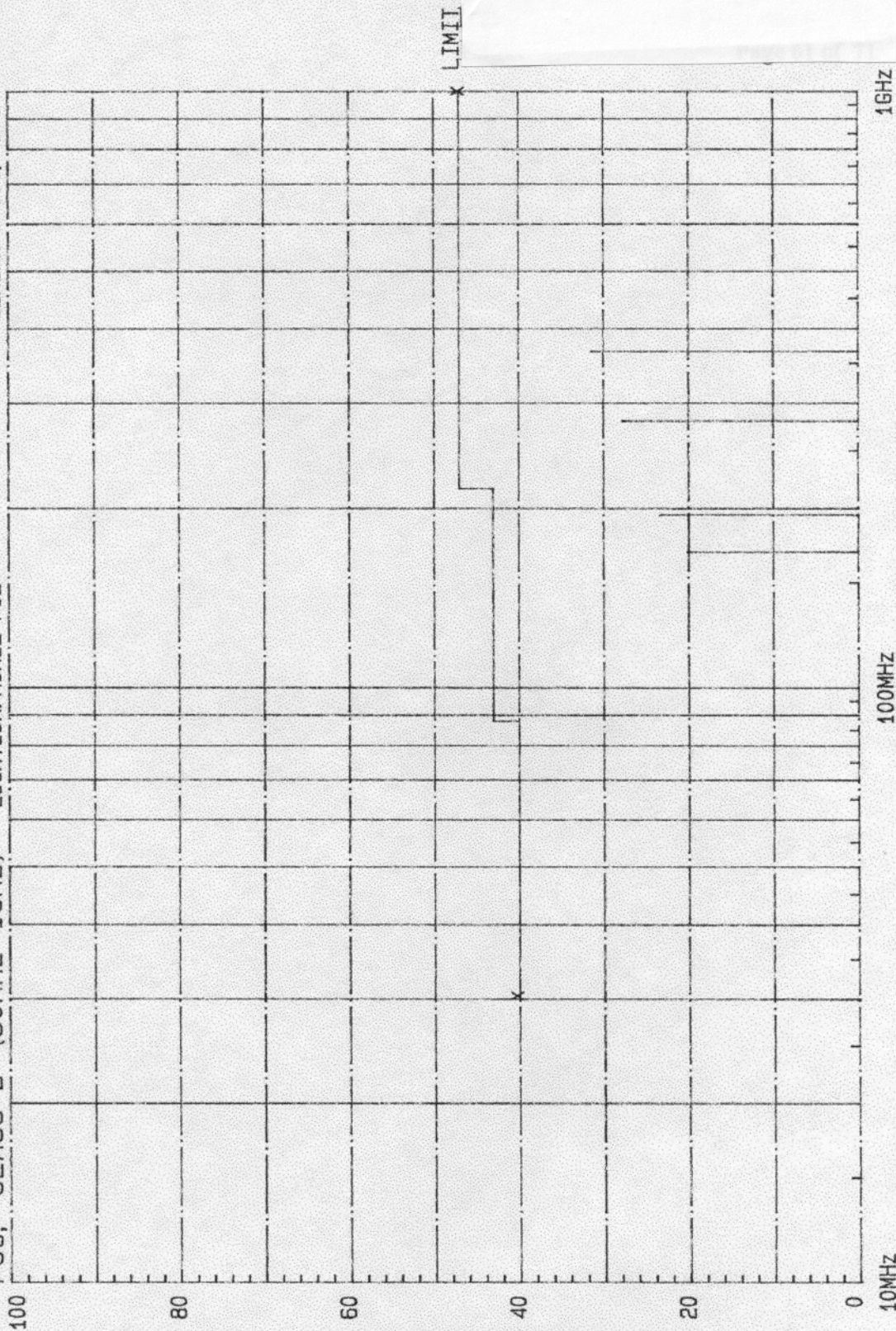
-Preamp Gain 27.00 dB = -4.42 dB

CORRECTED READING = 31.38 dBuV/m

VERIFIED BY

Don Ballard

NARROWBAND RADIATED EMI MODEL # B1, B2 1T1
FCC, CLASS B (30MHz-1GHz) PERFORMED FOR: HARRIS MCD SERIAL # 001, 001
LOCATION: HORIZ POL



FREQUENCY (NOTE: Test Dist=3.0 m)

Radiated Emissions, Horizontal Polarization, Graphical Data, B1/B2 Radio.

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44370 S. GRIMMER BLVD
FREMONT, CA 94538

PERFORMED FOR: HARRIS MCD
TEST SPECIMEN: 5.8 GHZ SPREAD SPECTRUM RADIO

MODEL NUMBER: C1, C2
SERIAL NUMBER: 001, 001

LOCATION: VERT POL

FINAL FCC-B, RADIATED RESULTS:

	Analyzer Reading dBuV	CF dB	Correct Reading dBuV/m	Spec Limit dBuV/m	margin dB	Ht cm	Angle Deg
39.87	37.4	-15.5	21.94	40.00	18.06	150	200
126.43	33.1	-11.7	21.37	43.00	21.63	150	360
179.22	36.2	-11.4	24.83	43.00	18.17	196	325
195.89	27.2	-10.5	16.66	43.00	26.34	150	258
279.98	34.8	-7.6	27.22	47.00	19.78	150	360
378.80	36.9	-4.0	32.88	47.00	14.12	150	325

NONE OUT OF SPECIFICATION

COMMENTS: Test Dist = 3.0 m. QP detector ON.

SAMPLE CALCULATION:

At 378.80 MHz

Analyzer Reading = 36.90 dBuV

Correction Factor, CF, = AF 18.13 dB + Cable 4.85 dB

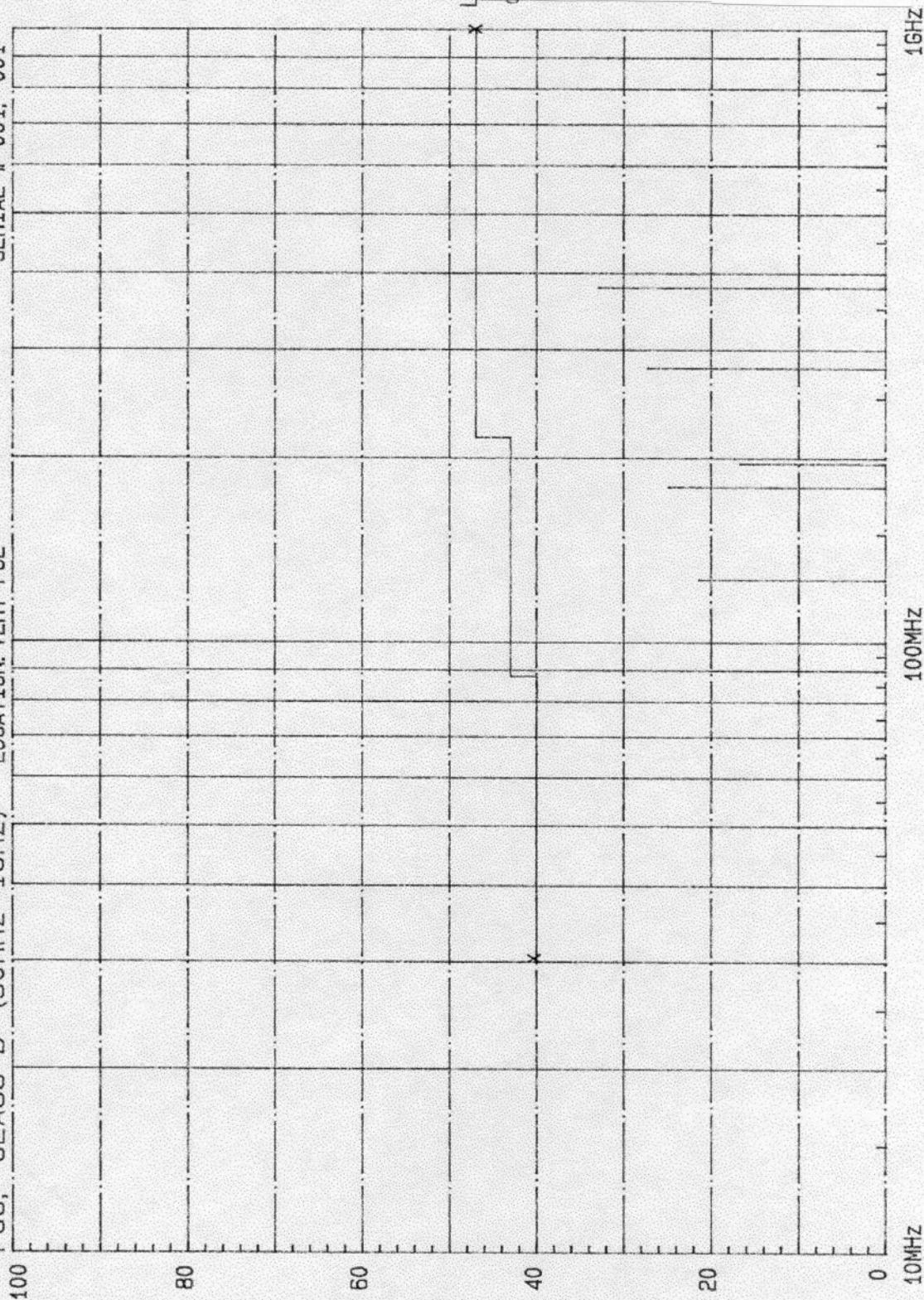
-Preamp Gain 27.00 dB = -4.02 dB

CORRECTED READING = 32.88 dBuV/m

VERIFIED BY



NARROWBAND RADIATED EMI
FCC, CLASS B (30MHz-1GHz)
PERFORMED FOR: HARRIS MCD
LOCATION: VERT POL
MODEL # C1, C2
SERIAL # 001, 001



Radiated Emissions, Vertical Polarization, C1/C2 Radio.

EMCE ENGINEERING, INC.
44370 S. GRIMMER BLVD
FREMONT, CA 94538

PERFORMED FOR: HARRIS MCD
TEST SPECIMEN: 5.8 GHZ SPREAD SPECTRUM RADIO

MODEL NUMBER: C1, C2
SERIAL NUMBER: 001, 001

LOCATION: HORIZ POL

FINAL FCC-B, RADIATED RESULTS:

Freq MHz	Analyzer Reading dBuV	CF dB	Correct Reading dBuV/m	Spec Limit dBuV/m	margin dB	Ht cm	Angle Deg
280.03	40.4	-7.6	32.82	43.00	10.18	150	360
312.60	33.6	-6.3	27.31	47.00	19.69	150	360
370.80	32.9	-4.3	28.62	47.00	18.38	150	360

NONE OUT OF SPECIFICATION

COMMENTS: Test Dist = 3.0 m. QP detector ON.

SAMPLE CALCULATION:

At 370.80 MHz

Analyzer Reading = 32.90 dBuV

Correction Factor, CF, = AF 17.92 dB + Cable 4.80 dB

-Preamp Gain 27.00 dB = -4.28 dB

CORRECTED READING = 28.62 dBuV/m

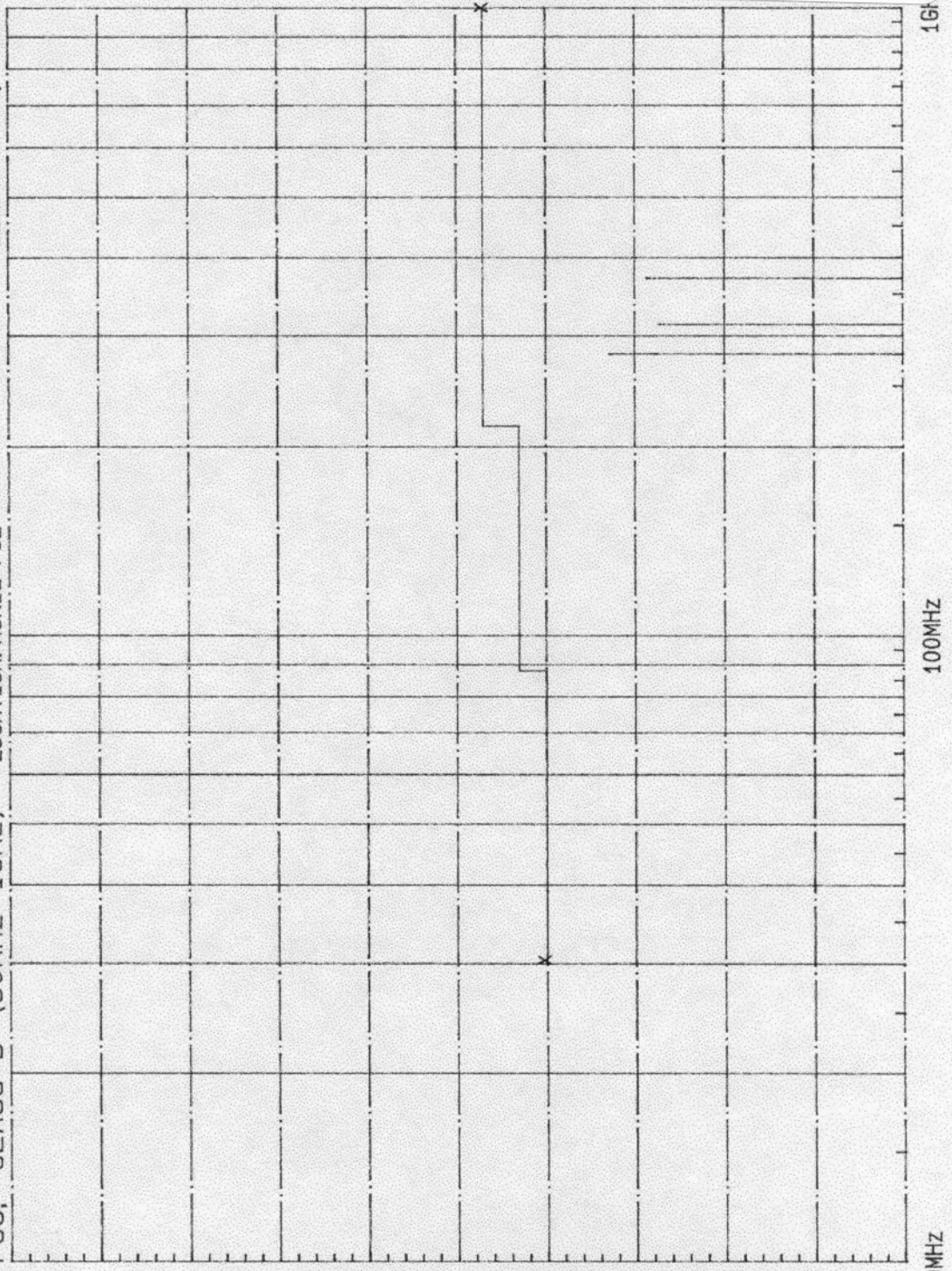
VERIFIED BY



NARROWBAND RADIATED EMI
FCC, CLASS B (30MHz-1GHz)
MODEL # C1, C2
SERIAL # 001, 001

PERFORMED FOR: HARRIS MCD
LOCATION: HORIZ POL

Radiated Emissions, Horizontal Polarization, Graphical Data, C1/C2 Radio.
AMPLITUDE (dBuV/m)



FREQUENCY (NOTE: Test Dist=3.0 m)

APPENDIX E

PHOTOGRAPHS OF TEST SETUPS

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APPENDIX F

FCC LABELING AND COMPLIANCE INFORMATION

Certification Labeling And Compliance Information

Labeling Requirements

Product authorizations under Verification shall have a label as follows:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label shall be located in a conspicuous location on the device.

Retention of Records

For each product subject to Certification, the responsible party shall maintain the records listed below for at least 1 year after the product manufacturing is permanently discontinued:

- A) A record of the original design drawings and specifications and all changes that have been made that may affect compliance with the FCC requirements.**

A record of the procedures used for production inspection and testing (if tests were performed) to insure the continuous conformance required. (Statistical production line emission testing is not required).

- C) A record of the measurements made on an appropriate test site that demonstrates compliance with the applicable regulations.**