



TEST DATA OF A INTENTIONAL RADIATOR

Per

Part 15 Subpart C
CFR 47, Section 15.231 paragraph (a)

EUT: AirClick

PREPARED FOR APPLICANT:

Griffin Technology

1619 Elm Hill Pike
Nashville, TN 37210



NVLAP Lab Code 200634-0

REPORT # 56050AF

TEST COMPLETION DATE: January 13, 2005



Prepared By:
DNB ENGINEERING, INC.
1100 East Chalk Creek Rd.
Coalville, Utah 84017
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1.1 Test Results of Fundamental Frequency (433.9.0 MHz)

RADIATED EMISSIONS
 International 30-1000 MHz Based on (CISPR 22, ANSI C63.4, CISPR 11, GR-1089-CORE Issue 3)

File #: 56050a Engr.: Carey Yates Date: Jan.13,2005 Standard: Part 15 Temp: 13
 Site: 1 Distance: 3 meters Cable: 1.2 Class: B Humidity: 40%
 Bicon: 187 Log: 10 Amp #1: 65 Receiver: U-078 Amp #2:

Freq. (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Meas. Type	Comments
434.013	67.6	26.5	4.5	18.1	-3.9	63.70	80.8	-17.10	88	1	Vert	R&S	QP	Run 1 EUT placed vertical on table
434.013	64.5	26.5	4.5	18.3	-3.7	60.80	80.8	-20.00	21	3.79	Hor	R&S	QP	Run 1 EUT placed vertical on table

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1.2 Test Results For Radiated Spurious Emissions

1.2.1 30-1000 MHz Test Data

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RADIATED EMISSIONS

International 30-1000 MHz Based on (CISPR 22, ANSI C63.4, CISPR 11, GR-1089-CORE Issue 3)

File #: 56050a Engr.: Carey Yates Date: Jan.13.2005 Standard: Part 15 Temp: 13
 Site: 1 Distance: 3 meters Cable: 1.2 Class: B Humidity: 40%
 Blom: 187 Log: 10 Amp #1: 65 Receiver: U-078 Amp #2:

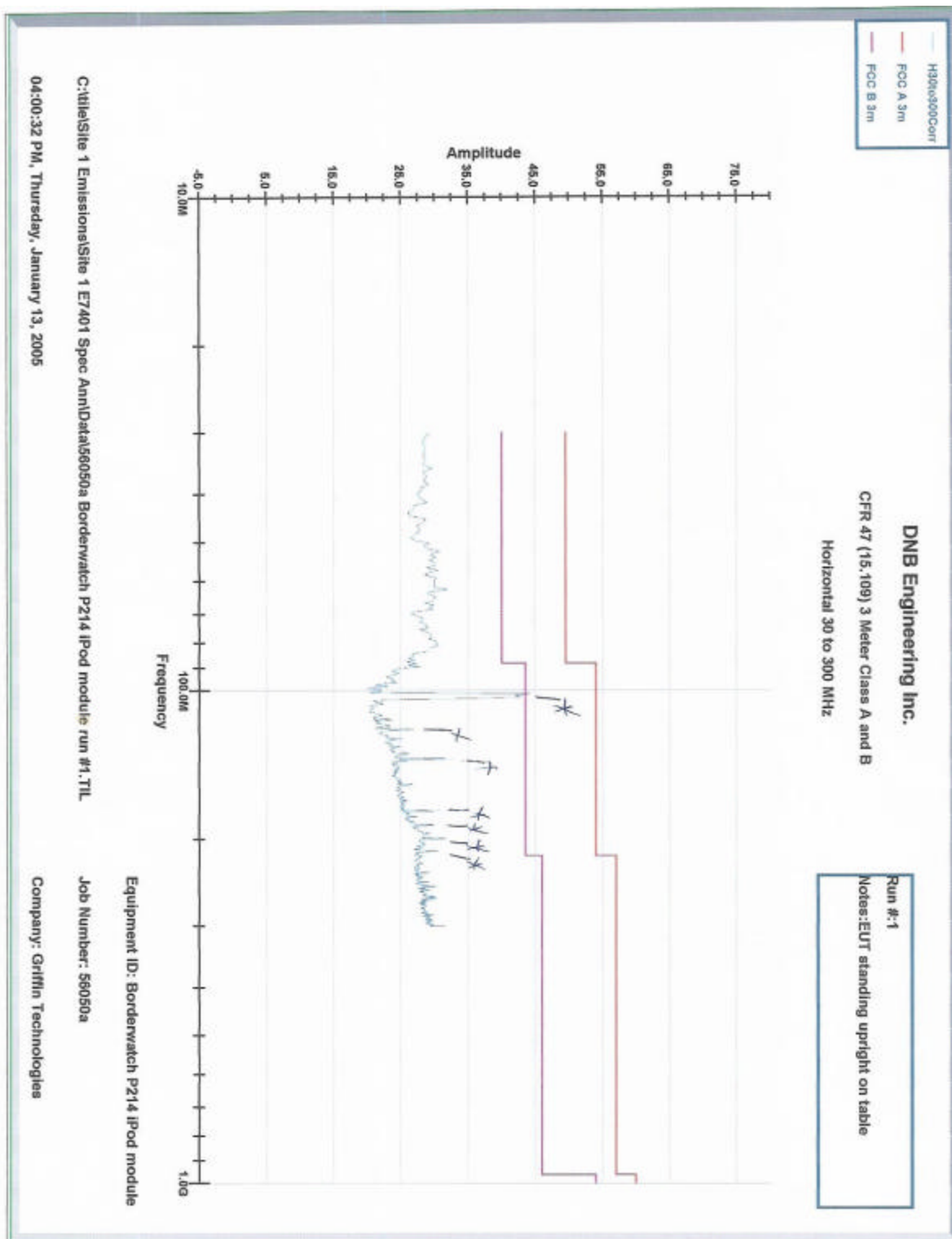
Freq. (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Mass. Type	Comments
867.989	51.4	27.0	6.5	25.2	4.7	56.10	60.8	-4.70	170	1.98	Hor/ R&S	HP/ R&S	QF	Run 1 EUT placed vertical on table
867.989	48.2	27.0	6.5	24.2	3.7	51.80	60.8	-8.90	205	1	Vert R&S	HP/ R&S	QF	Run 1 EUT placed vertical on table

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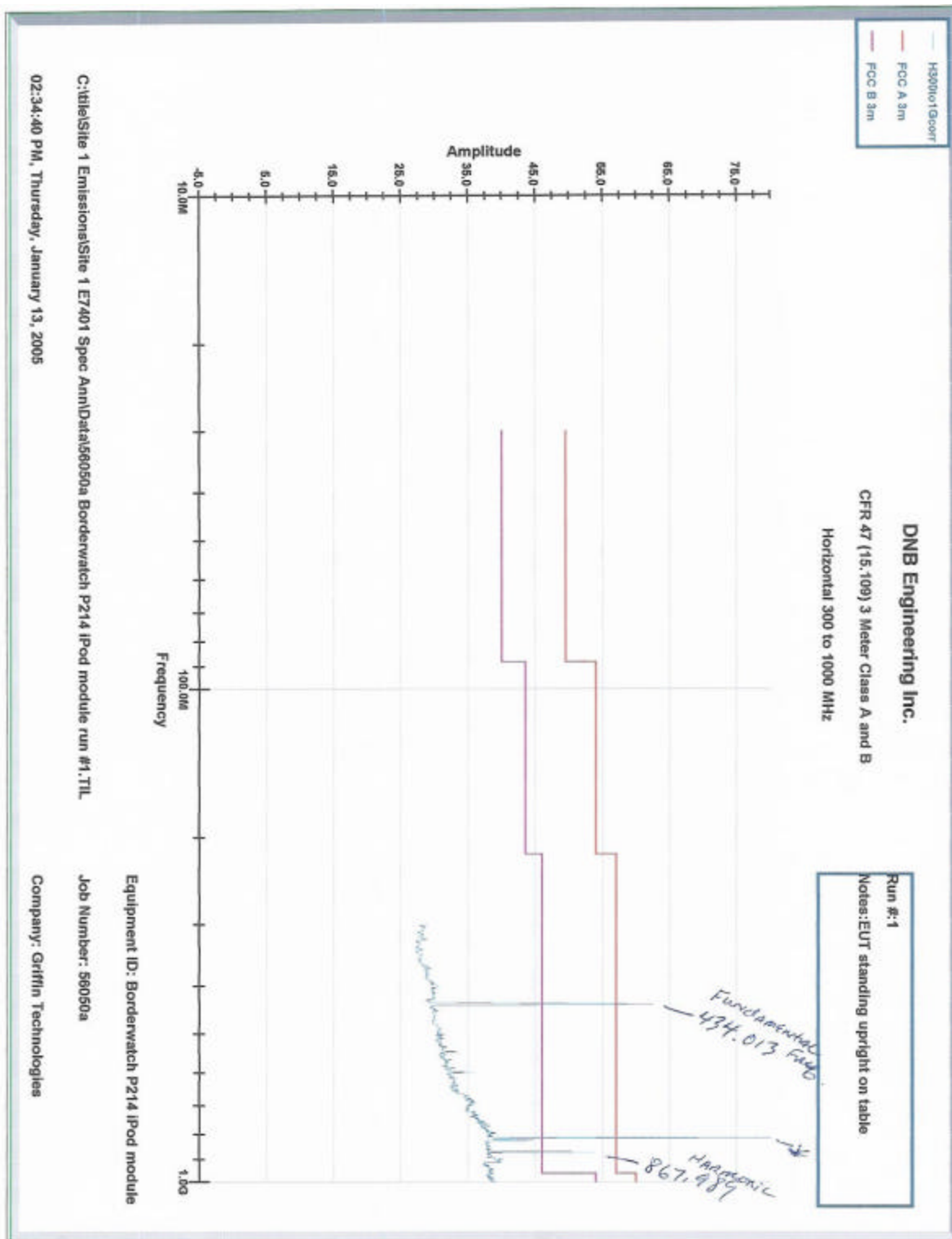
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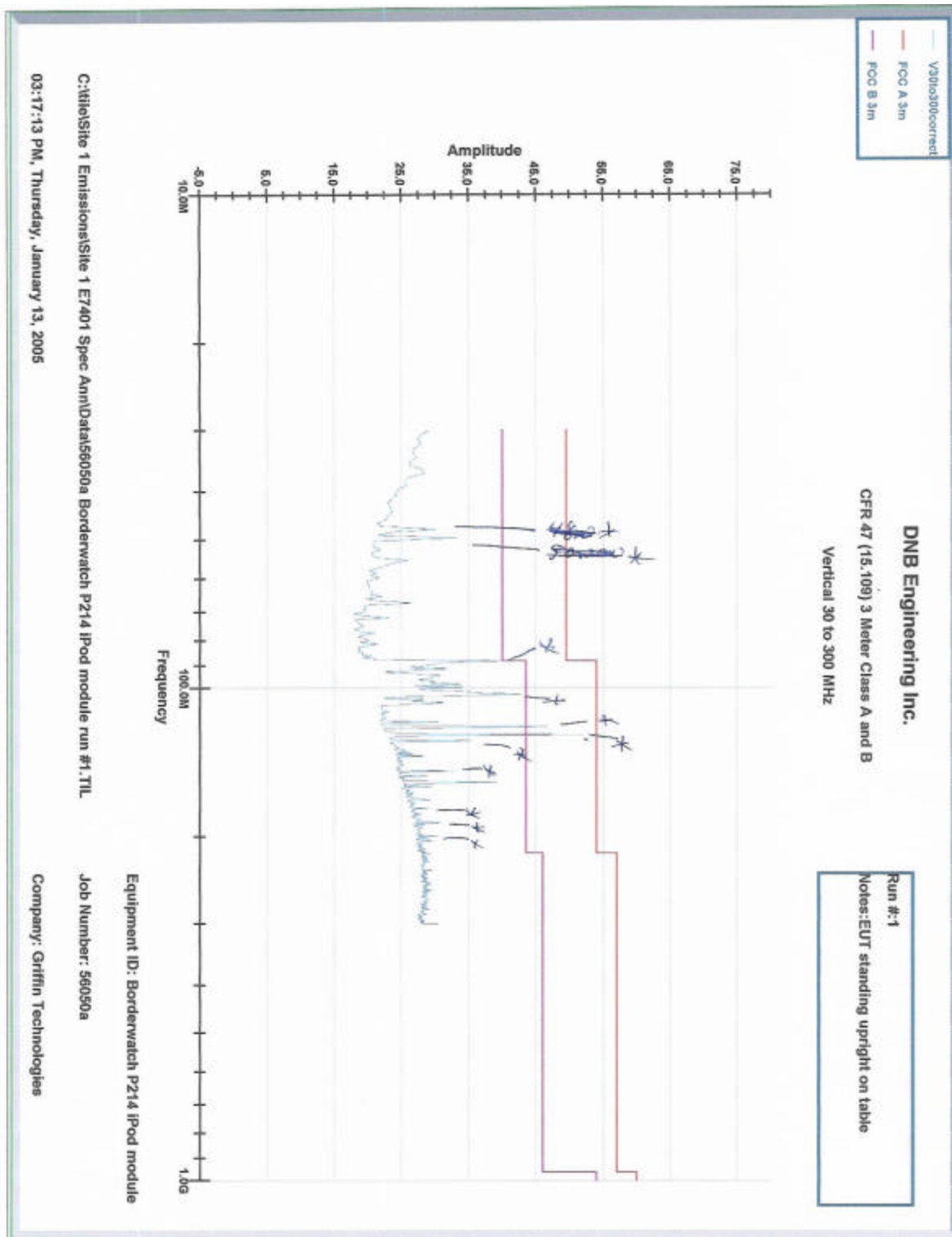
1.2.2 (Horizontal plot 30 to 300 MHz)



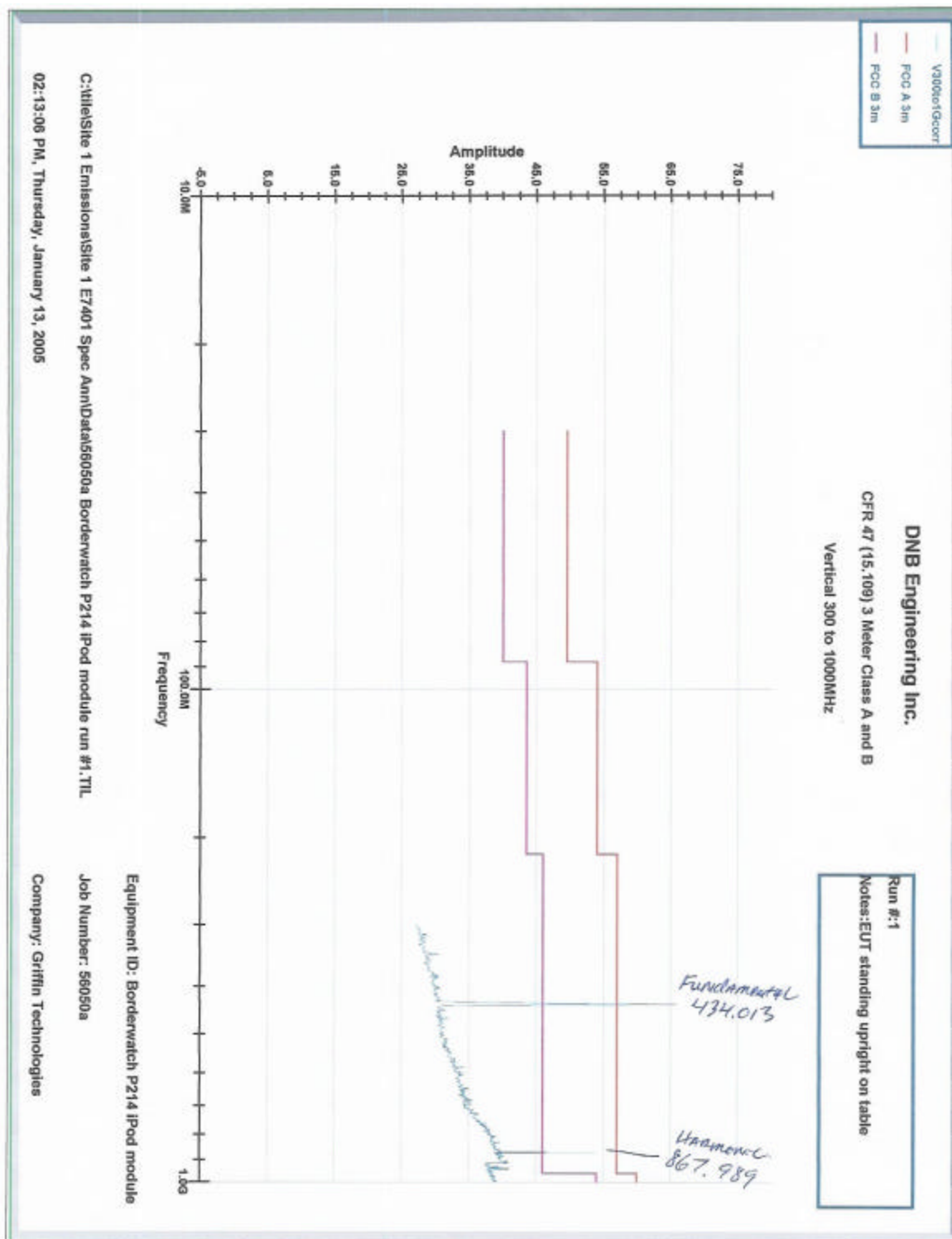
1.2.3 (Horizontal Plot 300 to 1000 MHz)



1.2.4 (Vertical Plot 30 to 300 MHz)



1.2.5 (Vertical Plot 300 to 1000 MHz)



1.2.6 Above 1 GHz test Data

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2/25/2005

RADIATED EMISSIONS

Greater than 1000MHZ Based on (ANSI C63.4, CFR 47 Part 15, GR-1089-CORE Issue 3)

File #: 56060a Engr.: Clay Allred Date: 14-Jan-05 Standard: Part 15 Temp: _____
 Site: _____ Distance: 3 meters Cable: 323 Class: B Humidity: _____
 Antenna: 71 Amp #1: 162 Amp #2: _____ Receiver: U-138

Freq (MHz)	Meas'd (dBuV)	Duty Cycle (%)	Corrected Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor Vert	HP/ R&S	Type Ave, PK	Comments
1301.880	67.6	70%	47.3	24.2	2.7	25.4	3.8	51.2	60.8	-9.6	14	1	Vert	HP	Peak	Run 1 Transmitter
1735.940	60.1	70%	42.1	26.3	3.1	27.7	4.5	48.6	60.8	-14.2	192	1	Vert	HP	Peak	Run 1 Transmitter
1301.830	59.3	70%	41.5	24.2	2.7	25.5	3.9	45.4	60.8	-15.4	78	2.34	Hor	HP	Peak	Run 1 Transmitter
1735.820	52.9	70%	37.0	26.3	3.1	27.7	4.6	41.6	60.8	-19.2	76	1.52	Hor	HP	Peak	Run 1 Transmitter
2169.840	41.2	70%	28.8	26.5	3.6	29.7	6.8	35.7	60.8	-25.1	255	1	Vert	HP	Peak	Run 1 Transmitter

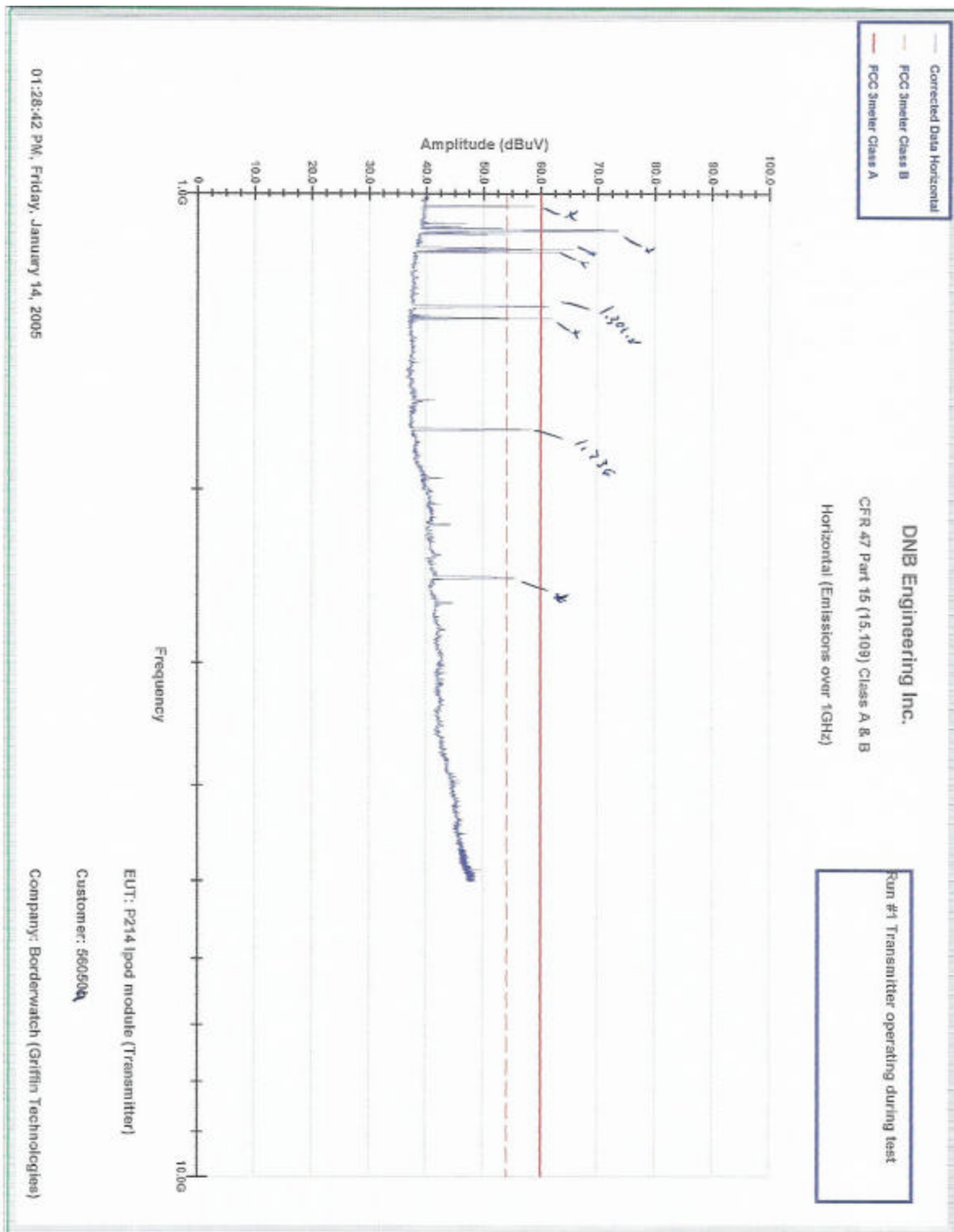
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1.2.7 (Horizontal Plot of Emissions over 1GHz)



1.2.8 (Vertical Plot of Emissions over 1 GHz)

