RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
905.0000	92.3	QP	H	1.5	170			21.7	6.8	35.3	**85.6**	**-8.4**	**94.0**	
905.0000	98.7	96.2 QP	V	1.0	160			21.7	6.8	35.3	**89.5**	**-4.5**	**94.0**	
914.2000	93.0	QP	H	1.0	165			22.1	6.9	35.2	**86.8**	**-7.2**	**94.0**	
914.2000	96.6	QP	V	1.0	170			22.1	6.9	35.2	**90.4**	**-3.6**	**94.0**	
923.0000	91.8	QP	H					22.4	6.9	35.2	**86.0**	**-8.0**	**94.0**	
923.0000	96.0	QP	V	1.0	160			22.4	6.9	35.2	**90.2**	**-3.8**	**94.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1810.0000	37.1	A	H	1.0	170			29.4	6.8	33.7	39.6	-14.4	54.0	
1810.0000	37.3	A	V	1.5	180			29.4	6.8	33.7	39.8	-14.2	54.0	
1828.4000	39.7	A	H	3.0	160			29.5	6.9	34.0	42.1	-11.9	54.0	
1828.4000	42.3	A	V	1.0	180			29.5	6.9	34.0	44.7	-9.3	54.0	
1846.0000	38.0	A	H	2.0	170			29.7	7.0	34.3	40.4	-13.6	54.0	
1846.0000	41.2	A	V	1.5	180			29.7	7.0	34.3	43.6	-10.4	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2715.0000	36.7	A	H	1.0	150			30.9	7.2	33.4	41.4	-12.6	54.0	
2715.0000	36.4	A	V	1.0	160			30.9	7.2	33.4	41.1	-12.9	54.0	
2742.6000	38.3	A	H	3.0	200			31.0	7.2	33.4	43.1	-10.9	54.0	
2742.6000	40.1	A	V	1.0	200			31.0	7.2	33.4	44.9	-9.1	54.0	
2769.0000	36.9	A	H	2.0	160			31.1	7.2	33.4	41.8	-12.2	54.0	
2769.0000	40.8	A	V	1.0	160			31.1	7.2	33.4	45.7	-8.3	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3620.0000	43.8	41.3 A	H	3.0	200			32.3	8.3	33.2	**48.7**	**-5.3**	**54.0**	
3620.0000	45.2	43.2 A	V	1.0	270			32.3	8.3	33.2	**50.6**	**-3.4**	**54.0**	
3656.8000	37.8	A	H	3.0	180			32.2	8.2	33.2	**45.1**	**-8.9**	**54.0**	
3656.8000	41.4	A	V	1.0	200			32.2	8.2	33.2	**48.7**	**-5.3**	**54.0**	
3692.0000	37.8	A	H	2.0	160			32.2	8.2	33.2	**45.1**	**-9.0**	**54.0**	
3692.0000	38.3	A	V	1.0	160			32.2	8.2	33.2	**45.6**	**-8.5**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4525.0000		A	H					31.7	8.9	32.4			54.0	No Emissions Found
4525.0000	35.6	A	V					31.7	8.9	32.4	43.8	-10.2	54.0	
4571.0000		A	H					31.8	9.0	32.4			54.0	No Emissions Found
4571.0000	38.5	A	V	1.0	180			31.8	9.0	32.4	46.9	-7.1	54.0	
4615.0000		A	H	2.5	160			32.0	8.9	32.4			54.0	No Emissions Found
4615.0000		A	V	1.5	190			32.0	8.9	32.4			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
5430.0000		A	H					32.0	9.9	33.4			54.0	No Emissions Found
5430.0000		A	V					32.0	9.9	33.4			54.0	No Emissions Found
5485.2000		A	H					31.9	9.9	33.4			54.0	No Emissions Found
5485.2000		A	V					31.9	9.9	33.4			54.0	No Emissions Found
5538.0000		A	H	3.0	180			32.3	10.1	33.4			54.0	No Emissions Found
5538.0000		40.7 A	V	1.5	160			32.3	10.1	33.4			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
6335.0000		A	H					38.2	10.8	33.7			54.0	No Emissions Found
6335.0000		A	V					38.2	10.8	33.7			54.0	No Emissions Found
6399.4000		A	H					38.2	10.9	33.7			54.0	No Emissions Found
6399.4000		A	V					38.2	10.9	33.7			54.0	No Emissions Found
6461.0000		A	H					38.2	11.0	33.7			54.0	No Emissions Found
6461.0000		33.7 A	V	1.0	160			38.2	11.0	33.7			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7240.0000		A	H					38.4	11.6	33.0			54.0	No Emissions Found
7240.0000		A	V					38.4	11.6	33.0			54.0	No Emissions Found
7313.6000		A	H					38.4	11.7	33.2			54.0	No Emissions Found
7313.6000		A	V					38.4	11.7	33.2			54.0	No Emissions Found
7384.0000		A	H					38.4	11.8	33.5			54.0	No Emissions Found
7384.0000		A	V	1.0	160			38.4	11.8	33.5			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
8145.0000		A	H					39.3	12.4	32.8			54.0	No Emissions Found
8145.0000		A	V					39.3	12.4	32.8			54.0	No Emissions Found
8227.8000		A	H					39.2	12.4	32.9			54.0	No Emissions Found
8227.8000		A	V					39.2	12.4	32.9			54.0	No Emissions Found
8307.0000		A	H					39.1	12.5	33.1			54.0	No Emissions Found
8307.0000		A	V					39.1	12.5	33.1			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.249)

COMPANY	Enercise, Inc.	DATE	3/19/02
EUT	902-928 MHz TX Module	DUTY CYCLE	0.00 %
MODEL	0.0	PEAK TO AVG	0 dB
S/N	0	TEST DIST.	3 METERS
TEST ENGINEER	Andre D. Khan	LAB	F

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
9050.0000		A	H					40.8	13.3	30.5			54.0	No Emissions Found
9050.0000		A	V					40.8	13.3	30.5			54.0	No Emissions Found
9142.0000		A	H					40.7	13.5	30.7			54.0	No Emissions Found
9142.0000		A	V					40.7	13.5	30.7			54.0	No Emissions Found
9230.0000		A	H					40.6	13.7	30.9			54.0	No Emissions Found
9230.0000		A	V					40.6	13.7	30.9			54.0	No Emissions Found

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS

COMPANY NAME: EXERCISE **DATE:** 3-19-02

EUT: FM STEREO TRANSMITTER MODULE **EUT S/N:** NONE

EUT MODEL: xTV-9T **LOCATION:** ☐ BREA ☐ SILVERADO ☒ AGOURA

SPECIFICATION: FCC Pt. 15 **CLASS:** B **TEST DISTANCE:** 3M **LAB:** F

ANTENNA: ☒ LOOP ☐ BICONICAL ☐ LOG ☐ HORN **POLARIZATION:** ☐ VERT ☐ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT **ENGINEER:** J. MACANGBAYAN

NOTES:

SPURIOUS EMISSIONS 4MHz TO 30MHz

Frequency (MHz)	Peak Reading (dBuV/m)	Quasi-Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
NO FREQUENCIES FOUND							X-AXIS
NO FREQUENCIES FOUND							Y-AXIS
NO FREQUENCIES FOUND							Z-AXIS

* DELTA = METER READING - CORRECTED LIMIT

COMPATIBLE ELECTRONICS

Test Location	: Compatible Electronics	**Page**	: 1/1
Customer	: Tony Garcia	**Date**	: 03/20/2002
Manufacturer	: Enercise, Inc.	**Time**	: 05:28:55 PM
Eut name	: FM Stereo Transmitter Module	**Lab**	: F
Model	:	**Test Distance**	: 3.00 Meters
Serial #	:		
Specification	: FCC Pt. 15 - Class B		

Distance correction factor (20 * log(test/spec)) : 0.00

Test Mode : Qualification - Pt.15.209
Temp: 16 deg Cel. Humid: 40%
Test Engineer: Joey J. Madlangbayan

Pol	Freq	Reading	Cable loss	Antenna factor	Amplifier gain	Corr'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV/m	dBuV/m	dB
1V	90.412	67.60	2.00	7.85	36.69	40.76	43.50	-2.74
2V	118.632	50.50	2.38	9.75	36.65	25.98	43.50	-17.52
	CD player							
3V	90.409@p	66.39	2.00	7.85	36.69	39.55	43.50	-3.95
4V	144.043	42.00	2.66	11.53	36.62	19.56	43.50	-23.94
5V	108.035	45.40	2.17	9.34	36.57	20.34	43.50	-23.16
6V	180.075	44.80	2.94	14.70	36.64	25.80	43.50	-17.70
7V	271.199	40.40	3.59	16.83	36.24	24.57	46.00	-21.43
8H	90.397	60.60	2.00	7.85	36.69	33.76	43.50	-9.74
9H	108.036	44.30	2.17	9.34	36.57	19.24	43.50	-24.26
10H	144.044	40.40	2.66	11.53	36.62	17.96	43.50	-25.54
11H	180.077	43.30	2.94	14.70	36.64	24.30	43.50	-19.20
12H	216.062	43.60	3.23	15.73	36.73	25.82	46.00	-20.18
13H	271.183	41.00	3.59	16.83	36.24	25.17	46.00	-20.83
14V	361.615	41.60	4.35	15.14	36.43	24.66	46.00	-21.34
15V	452.024	39.90	5.01	16.35	36.00	25.25	46.00	-20.75
16V	632.818	39.90	5.67	18.35	35.73	28.18	46.00	-17.82
17V	995.419	40.30	7.29	23.32	35.09	35.82	54.00	-18.18
18H	361.630	42.60	4.35	15.14	36.43	25.66	46.00	-20.34

RADIATED EMISSIONS

COMPANY NAME: ENERCISE **DATE:** 3-19-02

EUT: FM TRANSMITTER MODULE (STEREO) **EUT S/N:** NONE

EUT MODEL: X TV-9T **LOCATION:** ☐ BREA ☐ SILVERADO ☒ AGOURA

SPECIFICATION: FCC PT 15 **CLASS:** B **TEST DISTANCE:** 3M **LAB:** F

ANTENNA: ☐ LOOP ☐ BICONICAL ☐ LOG ☒ HORN **POLARIZATION:** ☒ VERT ☒ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT **ENGINEER:** J. MALANGBAYAN

NOTES:

SPURIOUS EMISSIONS 1 GHz TO ~~9.23 MHz~~ 5 GHz

Frequency (MHz)	Peak Reading (dBuV/m)	Quasi-Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
1175.27	46.2		1.0	270°	-10.8	57.0	HORIZONTAL
1175.27	44.9		1.0	180°	-12.1	57.0	VERTICAL

* DELTA = METER READING - CORRECTED LIMIT

COMPATIBLE ELECTRONICS

3/26/2002 22:41:08

FCC Conducted Emissions
Enercise, Inc.
FM Stereo Transmitter

Line 110V
Lab F Line Due 10-30-02
TEST ENGINEER : Joey J. Madlangbayan

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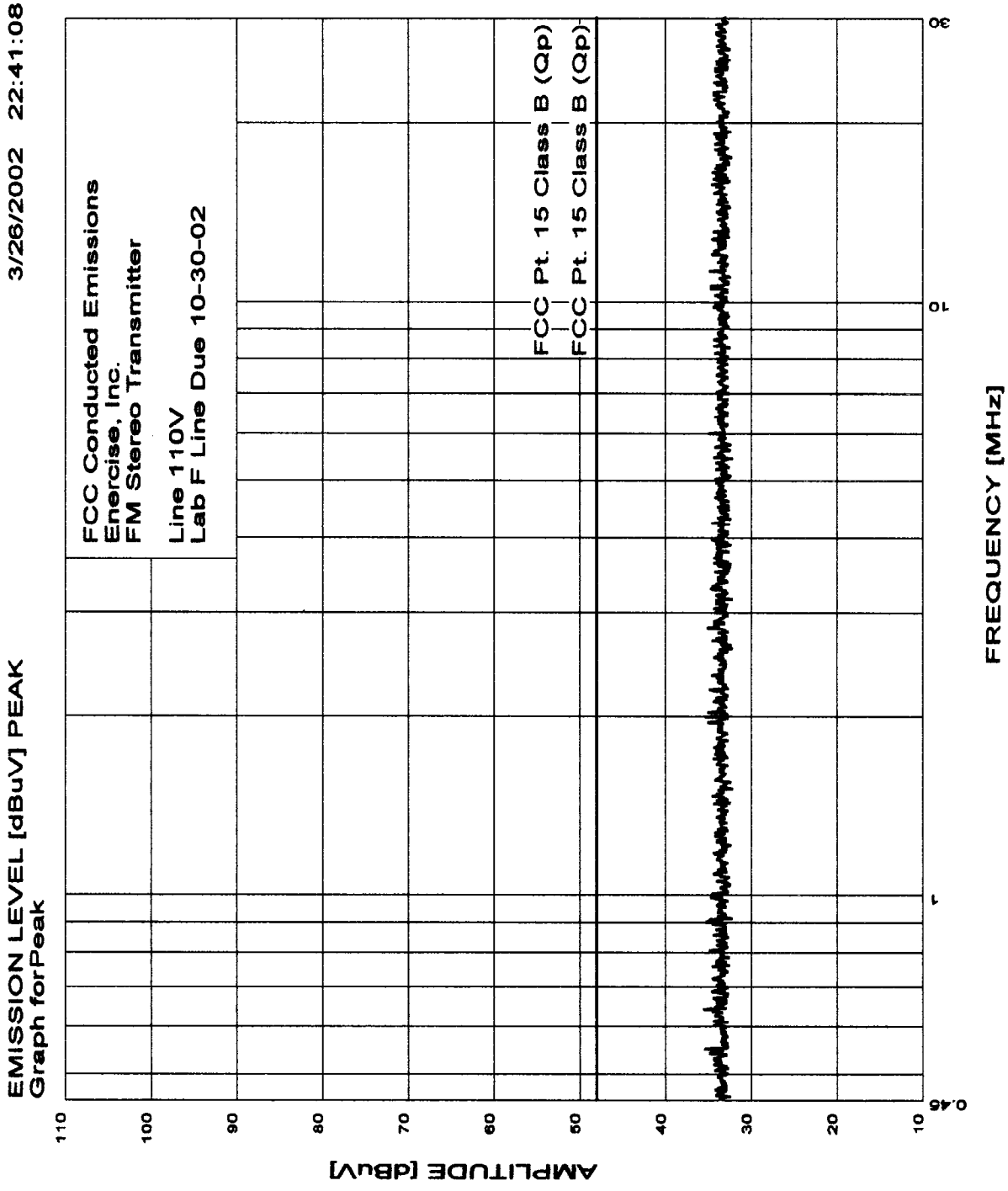
6 highest peaks above -50.00 dB of FCC Pt. 15 Class B (Qp) limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.641	35.40	47.96	-12.56
2	0.551	35.30	47.96	-12.66
3	1.991	35.20	47.96	-12.76
4	0.900	35.10	47.96	-12.86
5	2.821	35.00	47.96	-12.96
6	1.949	34.90	47.96	-13.06


EMISSION LEVEL [dBuV] PEAK
Graph forPeak
3/26/2002 22:41:08
FCC Conducted Emissions
Enercise, Inc.
FM Stereo Transmitter
Line 110V
Lab F Line Due 10-30-02
FCC Pt. 15 Class B (Qp)
FCC Pt. 15 Class B (Qp)
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
90
80
70
60
50
40
30
20
10
0.45
1
10
30

COMPATIBLE ELECTRONICS

3/26/2002 22:47:38

FCC Conducted Emissions
Enercise, Inc.
FM Stereo Transmitter

Neutral 110V
Lab F Neut. Due 10-30-02
TEST ENGINEER : Joey J. Madlangbayan

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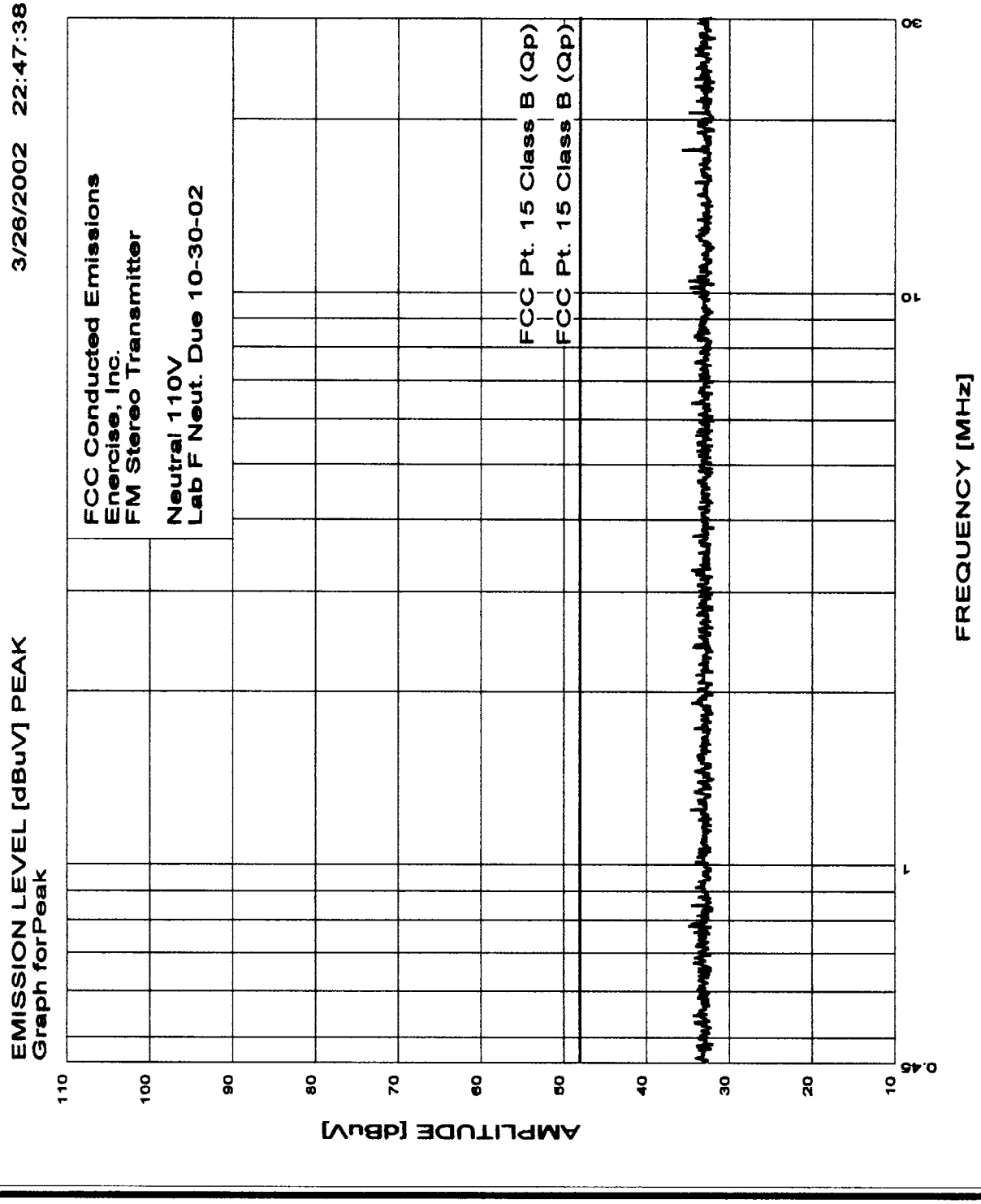
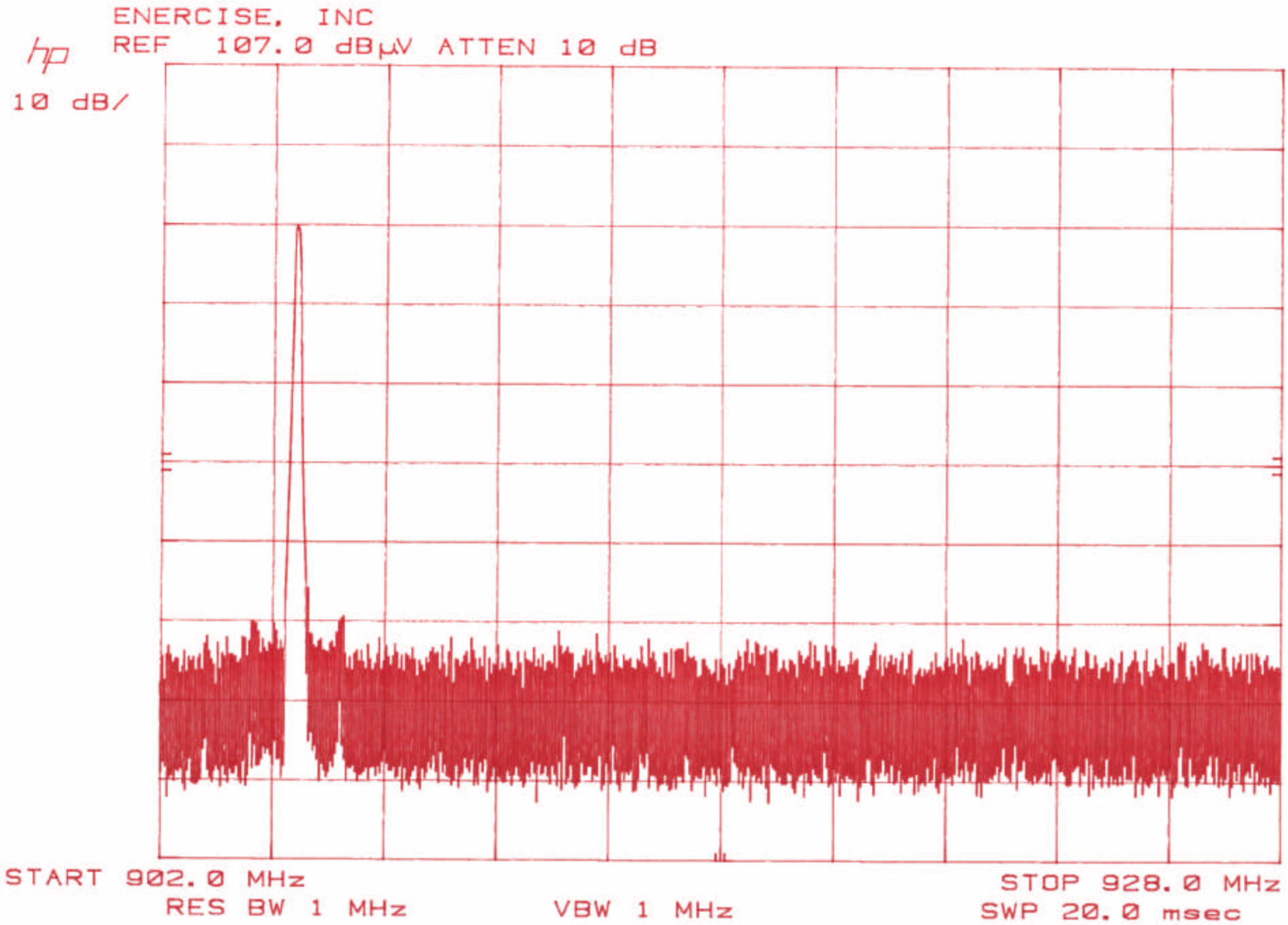
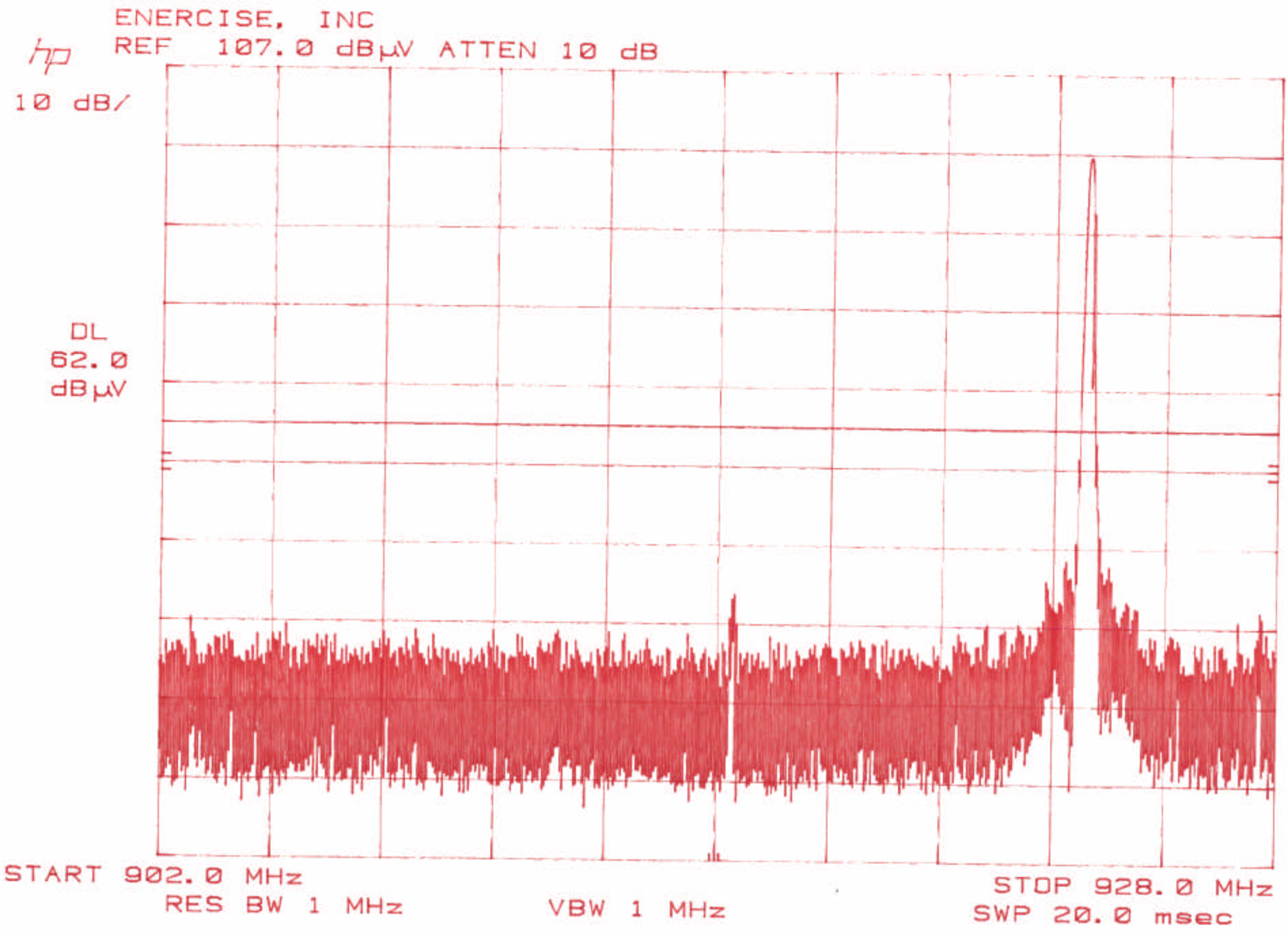
6 highest peaks above -50.00 dB of FCC Pt. 15 Class B (Qp) limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	17.678	35.60	47.96	-12.36
2	0.780	34.80	47.96	-13.16
3	10.459	34.80	47.96	-13.16
4	20.473	34.80	47.96	-13.16
5	10.197	34.60	47.96	-13.36
6	1.244	34.50	47.96	-13.46


EMISSION LEVEL [dBuV] PEAK
Graph forPeak
3/26/2002 22:47:38
FCC Conducted Emissions
Enercise, Inc.
FM Stereo Transmitter
Neutral 110V
Lab F Neut. Due 10-30-02
FCC Pt. 15 Class B (Qp)
FCC Pt. 15 Class B (Qp)
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
90
80
70
60
50
40
30
20
10
0.45
1
10
30


ENERCISE, INC
REF 107.0 dBμV ATTEN 10 dB
10 dB/
START 902.0 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 928.0 MHz
SWP 20.0 msec


ENERCISE, INC
REF 107.0 dBµV ATTEN 10 dB
10 dB/
DL
62.0
dBµV
START 902.0 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 928.0 MHz
SWP 20.0 msec