
REPORT NO
20221


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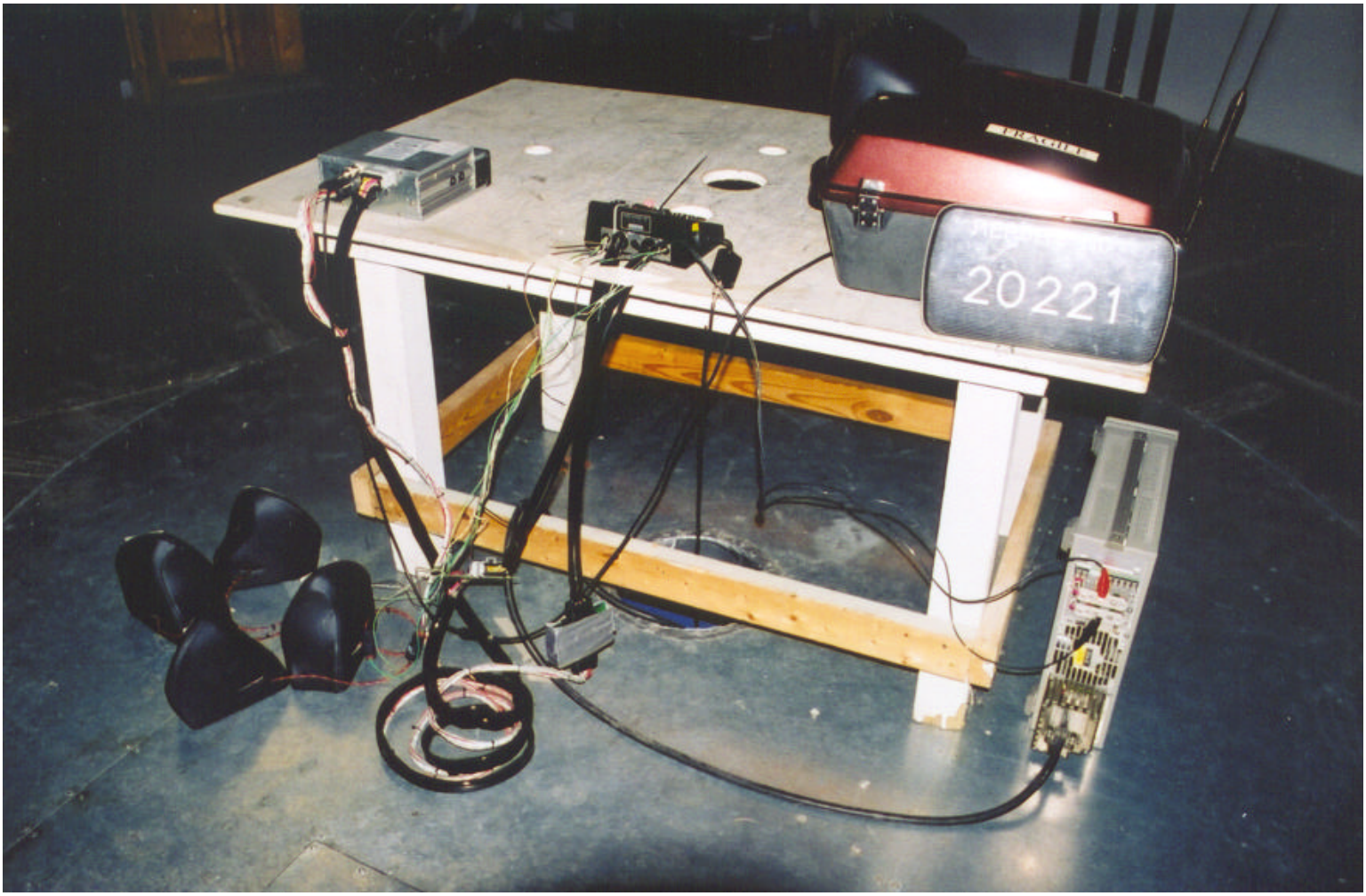
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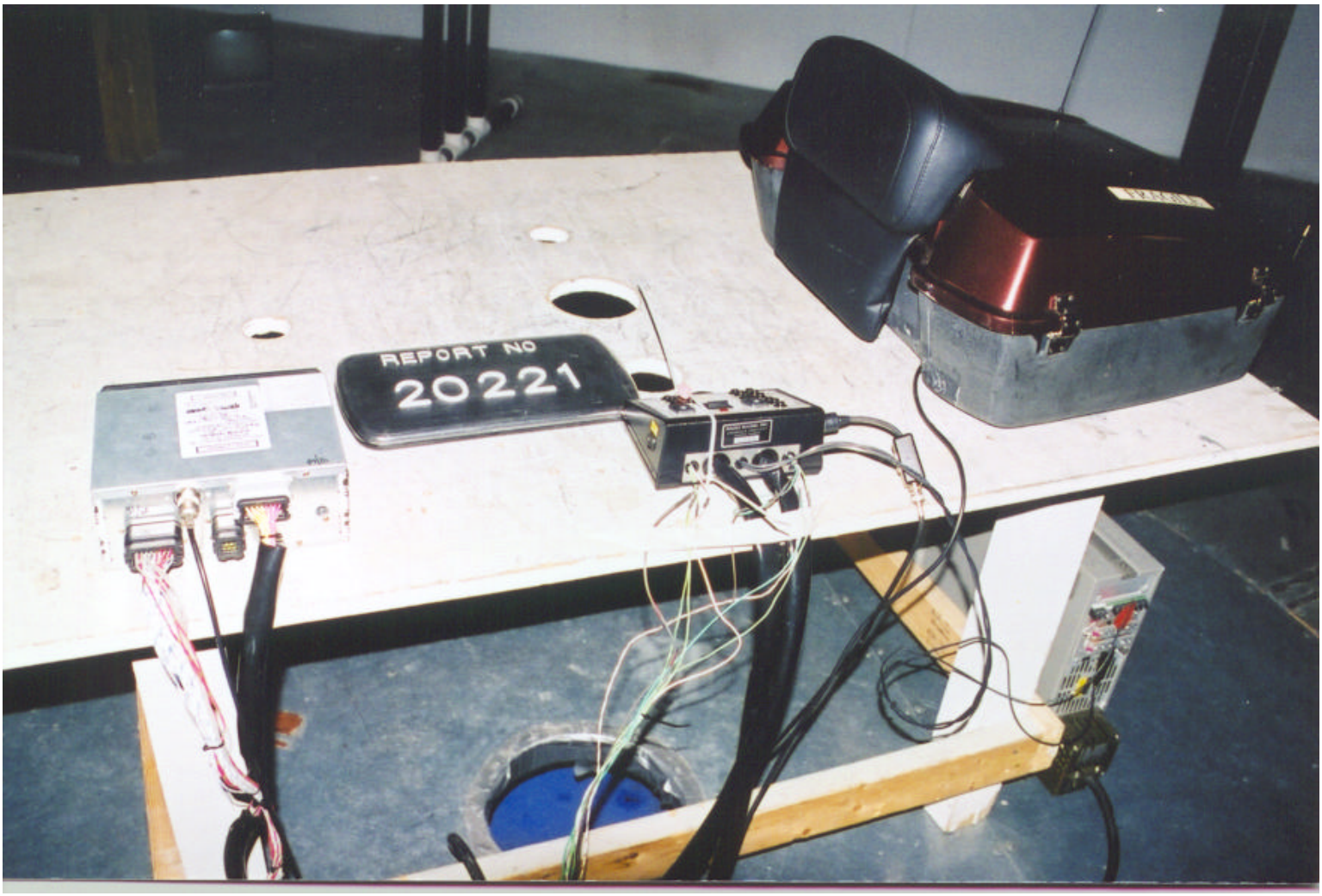
REPORT NO
20221

PHILIPS CONSUMER ELECTRONICS COMPANY
EMI LAB
P. O. BOX 14810
KNOXVILLE, TENNESSEE 37914
Tel.: (865) 521-4720 Fax: (865) 521-4786

RADIATED RF LEVEL

2.1053 FIELD STRENGTH OF SPURIOUS EMISSIONS

REPORT #: 12183-2
MANUFACTURER: RADIO SOUND
MODEL #: RS9803UD
DATE: 8-21-2001
SUPPORT EQUIPMENT
CHANNEL 1 - TRANSMITTING

THE FOLLOWING ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED EXCEPT AS NOTED BY "QP".
"QP" = QUASI PEAK READING AT THAT FREQUENCY
SPECTRUM ANALYZER SETTINGS:
RBW: 100KHz
VBW: 100KHz
TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 10 METERS.

LIMIT OdBmV = (RATED POWER OUTPUT OF TRANSMITTER T 10M) - 60dB
LIMIT OdBmV = (142.5 dBmV) - 60 dBmV
LIMIT OdBmV = 82.5 dBmV

FREQUENCY (MHz)	HORIZONTAL dBmV/m	VERTICAL dBmV/m	H DELTA dBmV	V DELTA dBmV	LIMIT CLASS "B"
54	43	50.3	-39.5	-32.2	82.5
81.1	48.5	53.4	-34	-29.1	82.5
108	ambient	ambient	#VALUE!	#VALUE!	82.5
134.9	38.6	44.2	-43.9	-38.3	82.5
161.8	22.3	26.9	-60.2	-55.6	82.5
188.9	30.9	37.6	-51.6	-44.9	82.5
215.8	23.2	25.2	-59.3	-57.3	82.5
243	26.5	26.6	-56	-55.9	82.5
269.8	29.1	26	-53.4	-56.5	82.5
296.8	25.7	23.1	-56.8	-59.4	82.5
323.7	33.8	28.2	-48.7	-54.3	82.5
350.8	31.9	29.8	-50.6	-52.7	82.5
377.7	40.2	34.9	-42.3	-47.6	82.5
404.5	38.7	35.3	-43.8	-47.2	82.5
431.7	40.6	39	-41.9	-43.5	82.5
458.4	28.3	30.5	-54.2	-52	82.5
485.7	30	30.5	-52.5	-52	82.5
512.4	40	39.6	-42.5	-42.9	82.5
539.6	39	38.6	-43.5	-43.9	82.5
566.4	40.1	39.4	-42.4	-43.1	82.5
593.5	42.9	43.9	-39.6	-38.6	82.5
620.3	44.6	44.5	-37.9	-38	82.5
647.3	37	34.9	-45.5	-47.6	82.5
674.2	40.7	37.3	-41.8	-45.2	82.5
701.3	40.1	35.7	-42.4	-46.8	82.5
728.2	36.1	31.9	-46.4	-50.6	82.5
755	35.8	33.6	-46.7	-48.9	82.5
782.1	32.7	32.1	-49.8	-50.4	82.5

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RADIATED RF LEVEL

2.1053 FIELD STRENGTH OF SPURIOUS EMISSIONS

REPORT #: 12183-2
MANUFACTURER: RADIO SOUND
MODEL #: RS9803UD
DATE: 8-16-2001
SUPPORT EQUIPMENT
CHANNEL 19 - TRANSMITTING

THE FOLLOWING ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED EXCEPT AS NOTED BY "QP".
"QP" = QUASI PEAK READING AT THAT FREQUENCY
SPECTRUM ANALYZER SETTINGS:
RBW: 100KHz
VBW: 100KHz
TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 10 METERS.

LIMIT OdBmV = (RATED POWER OUTPUT OF TRANSMITTER T 10M) - 60dB
LIMIT OdBmV = (142.5 dBmV) - 60 dBmV
LIMIT OdBmV = 82.5 dBmV

FREQUENCY (MHz)	HORIZONTAL dBmV/m	VERTICAL dBmV/m	H DELTA dBmV	V DELTA dBmV	LIMIT CLASS "B"
54.4	43.8	50.9	-38.7	-31.6	82.5
81.6	47.5	56.8	-35	-25.7	82.5
108.8	24.7	38.7	-57.8	-43.8	82.5
135.9	41.2	45.9	-41.3	-36.6	82.5
163.1	24	24.4	-58.5	-58.1	82.5
190.4	37.9	36.5	-44.6	-46	82.5
218	22.1	25	-60.4	-57.5	82.5
244.9	23.5	25.3	-59	-57.2	82.5
272.9	17.2	20.6	-65.3	-61.9	82.5
299.2	33.3	14.8	-49.2	-67.7	82.5
326.3	22.7	23.7	-59.8	-58.8	82.5
353.4	25.5	21.6	-57	-60.9	82.5
380.8	34.7	31.1	-47.8	-51.4	82.5
407.9	28	24.3	-54.5	-58.2	82.5
435.2	39.3	24.9	-43.2	-57.6	82.5
462.9	28.7	37.4	-53.8	-45.1	82.5
489.6	28.9	28.1	-53.6	-54.4	82.5
516.7	42.3	37	-40.2	-45.5	82.5
544	41.7	37.4	-40.8	-45.1	82.5
571.2	41.3	41.4	-41.2	-41.1	82.5
598.4	46.7	43.5	-35.8	-39	82.5
625.3	43.9	43.8	-38.6	-38.7	82.5
652.5	36.6	36.9	-45.9	-45.6	82.5
679.7	39.6	39.2	-42.9	-43.3	82.5
706.8	39.3	36.2	-43.2	-46.3	82.5
734	35.9	32.6	-46.6	-49.9	82.5
761.2	44.7	30.6	-37.8	-51.9	82.5
788.5	40.1	28.2	-42.4	-54.3	82.5
815.7	28.3	26.9	-54.2	-55.6	82.5
843	28	28	-54.5	-54.5	82.5

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RADIATED RF LEVEL

21053 FIELD STRENGTH OF SPURIOUS EMISSIONS

REPORT #: 12183.-2
MANUFACTURER: RADIO SOUND
MODEL #: RS9803UD
DATE: 8-21-2001
SUPPORT EQUIPMENT
CHANNEL 40 - TRANSMITTING

THE FOLLOWING ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED EXCEPT AS NOTED BY "QP".
"QP" = QUASI PEAK READING AT THAT FREQUENCY
SPECTRUM ANALYZER SETTINGS:
RBW: 100KHz
VBW: 100KHz
TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 10 METERS.

LIMIT OdBmV = (RATED POWER OUTPUT OF TRANSMITTER T 10M) - 60dB
LIMIT OdBmV = (142.5 dBmV) - 60 dBmV
LIMIT OdBmV = 82.5 dBmV

FREQUENCY (MHz)	HORIZONTAL dBmV/m	VERTICAL dBmV/m	H DELTA dBmV	V DELTA dBmV	LIMIT CLASS "B"
54.8	44.2	54.5	-38.3	-28	82.5
82.2	47.3	54	-35.2	-28.5	82.5
109.6	20.2	33.8	-62.3	-48.7	82.5
137.2	44	39.2	-38.5	-43.3	82.5
164.4	24.3	31.3	-58.2	-51.2	82.5
191.9	24.4	25.8	-58.1	-56.7	82.5
219.4	22.2	21.5	-60.3	-61	82.5
246.8	23.7	25.5	-58.8	-57	82.5
274.1	26.2	23.2	-56.3	-59.3	82.5
301.6	20.5	25.5	-62	-57	82.5
328.9	30.6	25.6	-51.9	-56.9	82.5
356.4	29	28.8	-53.5	-53.7	82.5
383.8	31.2	34.3	-51.3	-48.2	82.5
4111.1	35.1	37	-47.4	-45.5	82.5
438.7	33.3	38.4	-49.2	-44.1	82.5
466	18.6	28.7	-63.9	-53.8	82.5
493.7	22.8	29.8	-59.7	-52.7	82.5
520.8	43.1	42	-39.4	-40.5	82.5
548.4	42.3	37.7	-40.2	-44.8	82.5
575.9	39.6	40.4	-42.9	-42.1	82.5
602.9	49.8	43.4	-32.7	-39.1	82.5
630.3	39.9	37.9	-42.6	-44.6	82.5
357.8	45.6	41.5	-36.9	-41	82.5
685.1	41.5	38.2	-41	-44.3	82.5
712.5	39.1	35.1	-43.4	-47.4	82.5
740	39.2	33.2	-43.3	-49.3	82.5
767.5	30.6	29.8	-51.9	-52.7	82.5
794.7	27.9	26.8	-54.6	-55.7	82.5
822.4	27.8	26.6	-54.7	-55.9	82.5

SECTION 12

2.1055 FREQUENCY STABILITY

TEST PROCEDURES
2.1055 FREQUENCY STABILITY

REPORT # 20221
FCC D: JOFRS9803UD

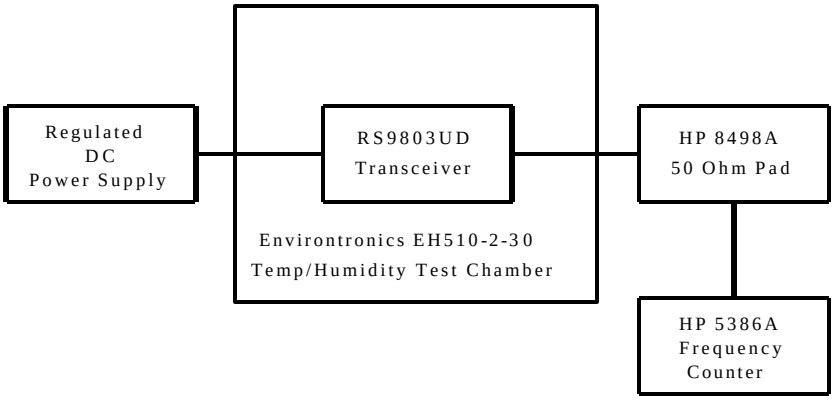
The CB antenna output connector was connected to an HP 8498A 30 dB attenuator, which was connected to an HP 5386A frequency counter. The CB was then powered on and channel 1 was selected. The microphone was then keyed under normal operating conditions and the frequency was then measured to determine compliance with the .005% frequency tolerance. This procedure was then performed on channel 2 - 40. The procedure was repeated while varying the temperature from -30 deg. C to +50 deg. C.

2.1055 FREQUENCY STABILITY

REPORT # 20221
FCC D: JOFRS9803UD

2.1055 FREQUENCY STABILITY

TEST SET UP




REPORT #
20221
2.1055
FREQUENCY STABILITY


20221
2.1055

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at -30°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9645	21	27.2145
2	26.9745	22	27.2245
3	26.9845	23	27.2545
4	27.0045	24	27.2345
5	27.0145	25	27.2445
6	27.0245	26	27.2645
7	27.0345	27	27.2745
8	27.0545	28	27.2845
9	27.0645	29	27.2945
10	27.0745	30	27.3045
11	27.0845	31	27.3145
12	27.1045	32	27.3245
13	27.1145	33	27.3345
14	27.1245	34	27.3445
15	27.1345	35	27.3545
16	27.1545	36	27.3645
17	27.1645	37	27.3745
18	27.1745	38	27.3845
19	27.1845	39	27.3945
20	27.2045	40	27.4045

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at -20°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9646	21	27.2146
2	26.9746	22	27.2246
3	26.9846	23	27.2546
4	27.0046	24	27.2346
5	27.0146	25	27.2446
6	27.0246	26	27.2646
7	27.0346	27	27.2746
8	27.0546	28	27.2846
9	27.0646	29	27.2946
10	27.0746	30	27.3046
11	27.0846	31	27.3146
12	27.1046	32	27.3246
13	27.1146	33	27.3346
14	27.1246	34	27.3446
15	27.1346	35	27.3546
16	27.1546	36	27.3646
17	27.1646	37	27.3746
18	27.1746	38	27.3846
19	27.1846	39	27.3946
20	27.2046	40	27.4046

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at -10°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9648	21	27.2148
2	26.9748	22	27.2248
3	26.9848	23	27.2548
4	27.0048	24	27.2348
5	27.0148	25	27.2448
6	27.0248	26	27.2648
7	27.0348	27	27.2748
8	27.0548	28	27.2848
9	27.0648	29	27.2948
10	27.0748	30	27.3048
11	27.0848	31	27.3148
12	27.1048	32	27.3248
13	27.1148	33	27.3348
14	27.1248	34	27.3448
15	27.1348	35	27.3548
16	27.1548	36	27.3648
17	27.1648	37	27.3748
18	27.1748	38	27.3848
19	27.1848	39	27.3948
20	27.2048	40	27.4048

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221

FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 0°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.96483	21	27.21483
2	26.97483	22	27.22483
3	26.98483	23	27.25483
4	27.00483	24	27.23483
5	27.01483	25	27.24483
6	27.02483	26	27.26483
7	27.03483	27	27.27483
8	27.05483	28	27.28483
9	27.06483	29	27.29483
10	27.07483	30	27.30483
11	27.08483	31	27.31483
12	27.10483	32	27.32483
13	27.11483	33	27.33483
14	27.12483	34	27.34483
15	27.13483	35	27.35483
16	27.15483	36	27.36483
17	27.16483	37	27.37483
18	27.17483	38	27.38483
19	27.18483	39	27.39483
20	27.20483	40	27.40483

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221

FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 10°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9649	21	27.2149
2	26.9749	22	27.2249
3	26.9849	23	27.2549
4	27.0049	24	27.2349
5	27.0149	25	27.2449
6	27.0249	26	27.2649
7	27.0349	27	27.2749
8	27.0549	28	27.2849
9	27.0649	29	27.2949
10	27.0749	30	27.3049
11	27.0849	31	27.3149
12	27.1049	32	27.3249
13	27.1149	33	27.3349
14	27.1249	34	27.3449
15	27.1349	35	27.3549
16	27.1549	36	27.3649
17	27.1649	37	27.37498
18	27.1749	38	27.3849
19	27.1849	39	27.3949
20	27.2049	40	27.4049

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221

FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 20°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.96494	21	27.21494
2	26.97494	22	27.22494
3	26.98494	23	27.25494
4	27.00494	24	27.23494
5	27.01494	25	27.24494
6	27.02494	26	27.26494
7	27.03494	27	27.27494
8	27.05494	28	27.28494
9	27.06494	29	27.29494
10	27.07494	30	27.30494
11	27.08494	31	27.31494
12	27.10494	32	27.32494
13	27.11494	33	27.33494
14	27.12494	34	27.34494
15	27.13494	35	27.35494
16	27.15494	36	27.36494
17	27.16494	37	27.37494
18	27.17494	38	27.38494
19	27.18494	39	27.39494
20	27.205494	40	27.40494

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221

FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 30°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9650	21	27.2150
2	26.9750	22	27.2250
3	26.9850	23	27.2550
4	27.0050	24	27.2350
5	27.0150	25	27.2450
6	27.0250	26	27.2650
7	27.0350	27	27.2750
8	27.0550	28	27.2850
9	27.0650	29	27.2950
10	27.0750	30	27.3050
11	27.0850	31	27.3150
12	27.1050	32	27.3250
13	27.1150	33	27.3350
14	27.1250	34	27.3450
15	27.1350	35	27.3550
16	27.1550	36	27.3650
17	27.1650	37	27.3750
18	27.1750	38	27.3850
19	27.1850	39	27.3950
20	27.2050	40	27.4050

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 40°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9650	21	27.2150
2	26.9750	22	27.2250
3	26.9850	23	27.2550
4	27.0050	24	27.2350
5	27.0150	25	27.2450
6	27.0250	26	27.2650
7	27.0350	27	27.2750
8	27.0550	28	27.2850
9	27.0650	29	27.2950
10	27.0750	30	27.3050
11	27.0850	31	27.3150
12	27.1050	32	27.3250
13	27.1150	33	27.3350
14	27.1250	34	27.3450
15	27.1350	35	27.3550
16	27.1550	36	27.3650
17	27.1650	37	27.3750
18	27.1750	38	27.3850
19	27.1850	39	27.3950
20	27.2050	40	27.4050

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.

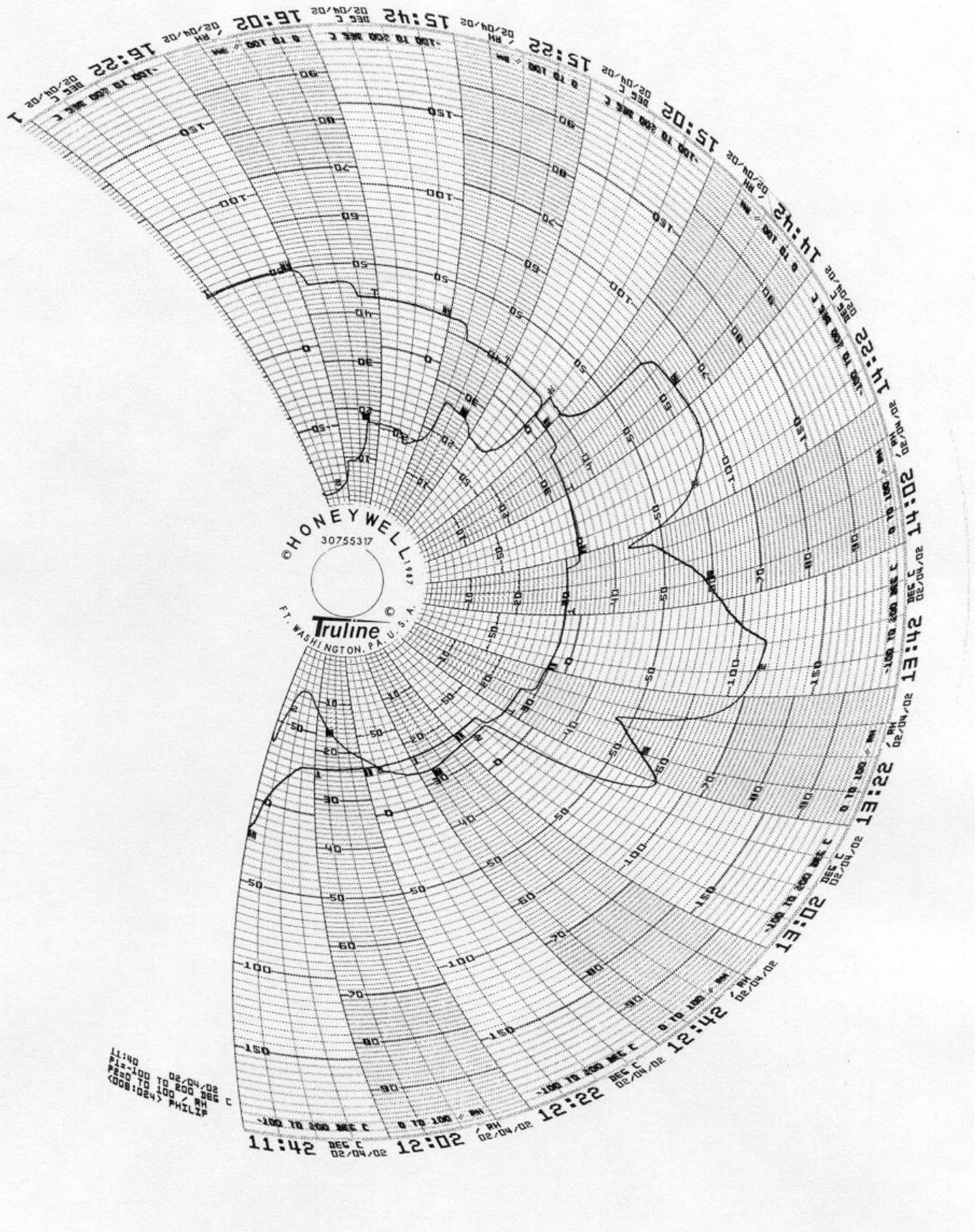
FCC PART 2
(2.1055 FREQUENCY STABILITY)

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: Transceiver Operating at 50°C

CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
1	26.9651	21	27.2151
2	26.9751	22	27.2251
3	26.9851	23	27.2551
4	27.0051	24	27.2351
5	27.0151	25	27.2451
6	27.0251	26	27.2651
7	27.0351	27	27.2751
8	27.0551	28	27.2851
9	27.0651	29	27.2951
10	27.0751	30	27.3051
11	27.0851	31	27.3151
12	27.1051	32	27.3251
13	27.1151	33	27.3351
14	27.1251	34	27.3451
15	27.1351	35	27.3551
16	27.1551	36	27.3651
17	27.1651	37	27.3751
18	27.1751	38	27.3851
19	27.1851	39	27.3951
20	27.2051	40	27.4051

NOTE: The frequency remained the same as listed above when the DC supply voltage was varied from 11.73 VDC to 13.8 VDC and 15.87 VDC.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11:42
12:02
12:22
12:42
13:02
13:22
13:42
14:02
14:22
14:42
15:02
15:22
15:42
16:02
16:22

SECTION 13

15.111 ANTENNA CONDUCTED

TEST PROCEDURES
15.111 ANTENNA CONDUCTED

REPORT # 20221
FCC D: **JOFRS9803UD**

This test was performed to show the power at the antenna terminal at any frequency within the range of measurements specified in 15.33 shall not exceed 2 nanowatts.

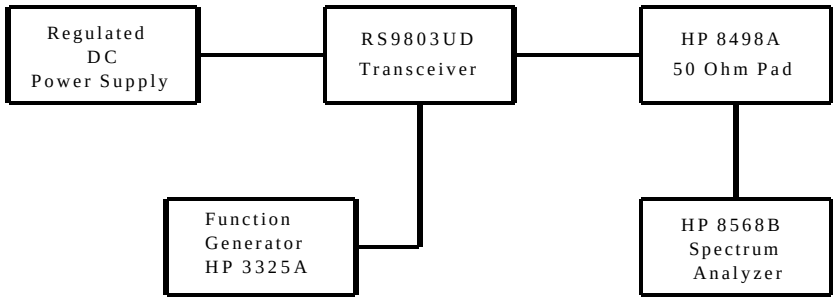
The CB antenna output connector was connected to an HP 8568B spectrum analyzer. The CB was powered on and placed in receive mode of operation. The frequency range was then scanned and the highest wattage was recorded with the frequency.

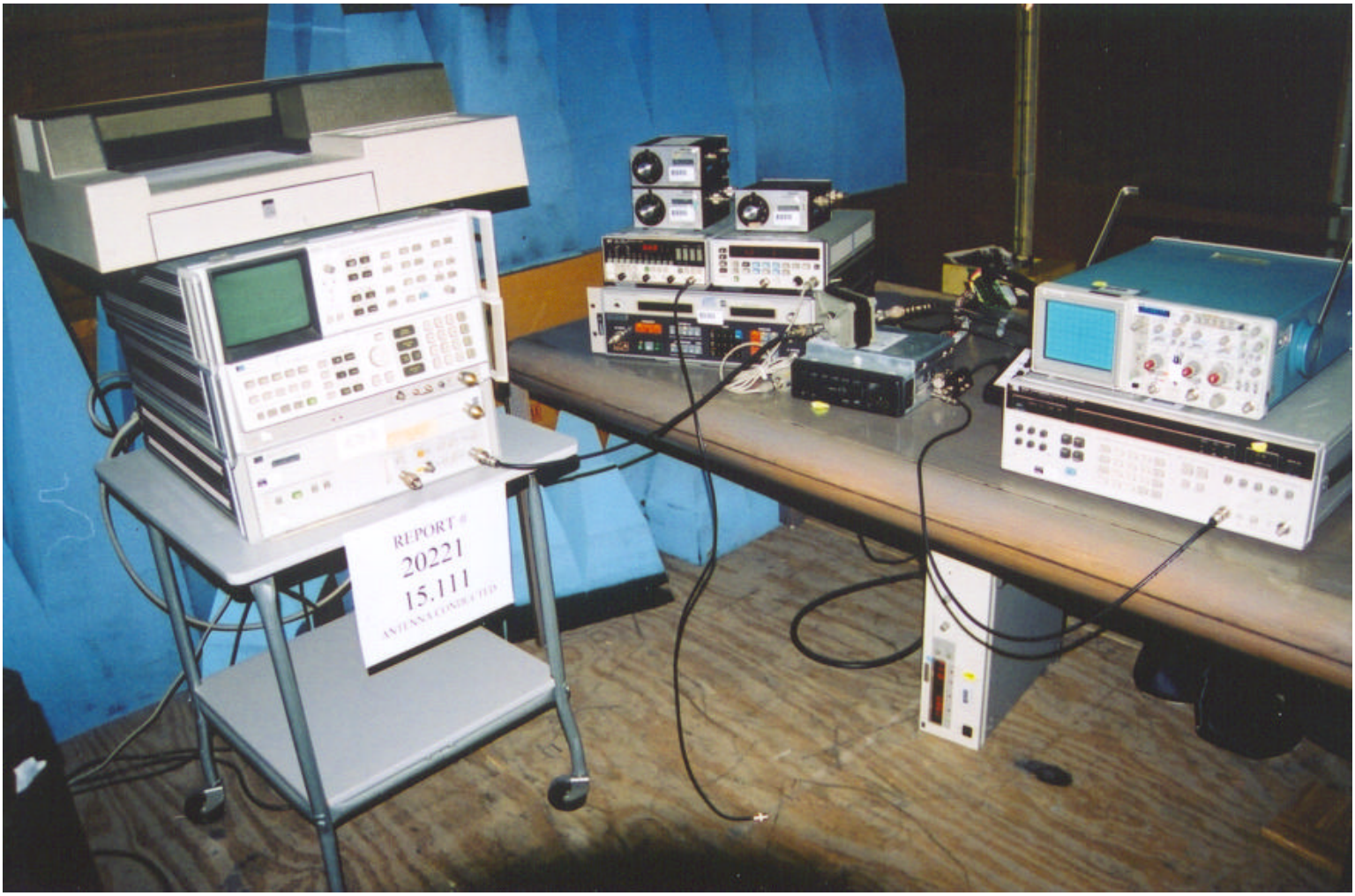
15.111 ANTENNA CONDUCTED

REPORT # 20221
FCC D: JOFRS9803UD

15.111 ANTENNA CONDUCTED

TEST SET UP




REPORT #
20221
15.111

FCC PART 15
15.111 ANTENNA CONDUCTED

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)

LIMIT

50 dBµV

FREQUENCY

26.965 TO 274.05 MHz

POINTS

Frequency	**Amplitude**	**Limit**
27.96 MHz	43.87 dBµV	50 dBµV

Frequency	**Amplitude**	**Limit**
27.96 MHz	0.45 NW	2 NW

SECTION 14

95.631 SPURIOUS EMISSIONS

TEST PROCEDURES
95.631 SPURIOUS EMISSIONS

REPORT # 20221
FCC D: JOFRS9803UD

This test was performed in order to determine if all spurious and harmonic emissions are less than the transmitter power (95.635) by the criteria specified in sections 1, 3, 8, and 9 of this section (95.631).

The CB antenna output connector was connected to an HP 8498A 30 dB attenuator, which was connected to an HP 8568B spectrum analyzer. The CB was powered on and channel 1 was selected. The microphone was then keyed under normal operating conditions and the level of the highest spurious or harmonic emission was recorded. This procedure was then performed on channels 19 and 40.

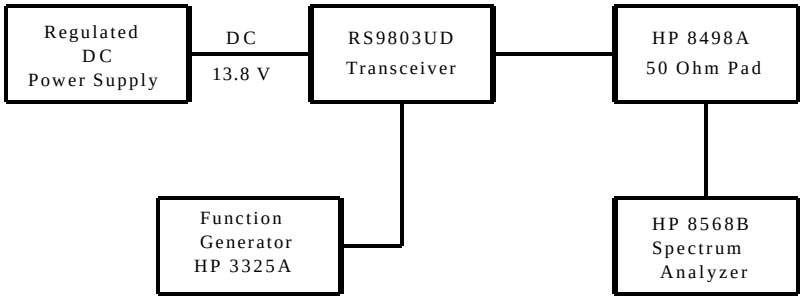
Note: In order to measure the harmonic emissions an additional Texscan Tunable Bandpass filter was connected between the HP 8498A 30 dB attenuator and the analyzer in order to eliminate overloading the S.A. front end.

95.631 SPURIOUS EMISSIONS

REPORT # 20221
FCC D: JOFRS9803UD

95.631 SPURIOUS EMISSIONS

TEST SET UP




REPORT #
20221
95.631
SPURIOUS EMISSIONS

FCC PART 95
95.631 SPURIOUS EMISSIONS

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)

Ch.	Center Freq.	LIMIT >25 dB (1) Below 4 to 8 KHz	(1) Above 4 to 8 KHz	(3) Below 8 to 20 Khz	LIMIT > 35 dB (3) Above 8 to 20 KHz
1	26.9652	54.3 dB	49.3 dB	67.3 dB	68.6 dB

LIMIT > 56.97 dB (8) Below >20 KHz	(8) Above >20 KHz	LIMIT > 60 dB (9) Above >54.37 MHz
70.8 dB	72.6 dB	86 dB

FCC PART 95
95.631 SPURIOUS EMISSIONS

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)

		LIMIT >25 dB			**LIMIT >35 dB**
Ch.	**Center Freq.**	**(1) Below 4 to 8 KHz**	**(1) Above 4 to 8 KHz**	**(3) Below 8 to 20 Khz**	**(3) Above 8 to 20 KHz**
19	27.1852	49.9 dB	47.7 dB	69.7 dB	69.1 dB

LIMIT >56.97 dB		**LIMIT >60 dB**
(8) Below >20 KHz	**(8) Above >20 KHz**	**(9) Above >54.37 MHz**
71.7 dB	72 dB	81 dB

FCC PART 95
95.631 SPURIOUS EMISSIONS

REPORT # 20221
FCC D: JOFRS9803UD

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)

Ch.	Center Freq	LIMIT >25dB (1) Below 4 to 8 KHz	(1) Above 4 to 8 KHz	LIMIT >35dB (3) Below 8 to 20 KHz	(3) Above 8 to 20KHz
40	27.4052	51.1 dB	47.3 dB	68 dB	67.5 dB

LIMIT >56.97dB (8) Below >20 KHz	(8) Above > 20 KHz	LIMIT >60dB (9) Above >54.81 KHz
72.2 dB	71.2 dB	79.2 dB

SECTION 15

95.635 MAXIMUM TRANSMITTER POWER

TEST PROCEDURES
95.635 MAXIMUM TRANSMITTER POWER

REPORT # 20221
FCC D: **JOFRS9803UD**

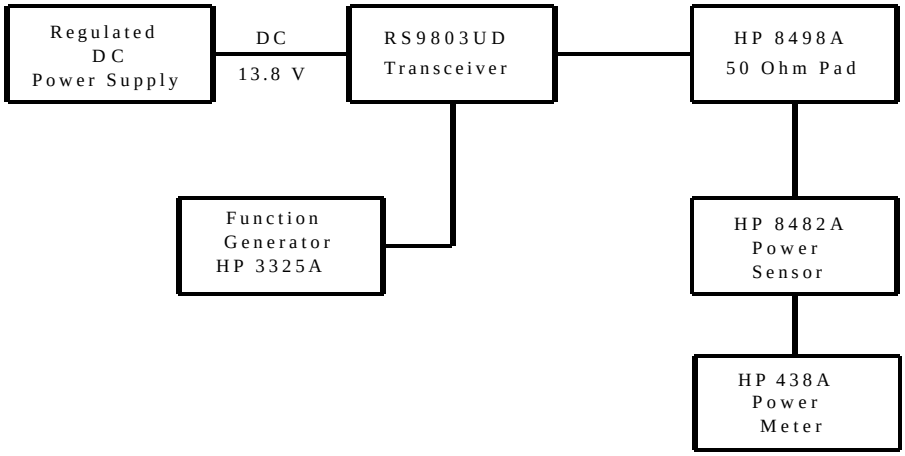
The CB antenna output connector was connected to an HP 8498A 30 dB attenuator, which was connected to an HP 438A power meter with HP 8482A power sensor. The CB was then powered on and channel 1 was selected. The microphone was then keyed under normal operating conditions and the carrier power output was measured to determine compliance with the 4 watts carrier over limit. This procedure was then performed on channels 2 - 40.

TEST PROCEDURES
95.635 MAXIMUM TRANSMITTER POWER

REPORT # 20221
FCC D: JOFRS9803UD

95.635 MAXIMUM TRANSMITTER POWER

TEST SET UP



FCC PART 95
95.635 MAXIMUM TRANSMITTER POWER

REPORT # 20221
FCC D: **JOFRS9803UD**

Model Number: RS9803UD
Manufacturer: Radio Sound
Device: Citizen Band Transceiver (27 MHz)
Test Condition: 13.8 VDC, Modulation = 0%

CHANNEL	POWER (WATTS)	CHANNEL	POWER (WATTS)
1	3.46	21	3.69
2	3.48	22	3.69
3	3.49	23	3.69
4	3.51	24	3.69
5	3.53	25	3.69
6	3.54	26	3.69
7	3.55	27	3.69
8	3.57	28	3.69
9	3.58	29	3.69
10	3.59	30	3.69
11	3.60	31	3.69
12	3.61	32	3.68
13	3.63	33	3.68
14	3.63	34	3.68
15	3.64	35	3.67
16	3.66	36	3.67
17	3.67	37	3.66
18	3.67	38	3.65
19	3.67	39	3.65
20	3.68	40	3.64

FCC PART 95
95.635 MAXIMUM TRANSMITTER POWER

REPORT # 20221

FCC D: **JOFRS9803UD**

Model Number: RS9803UD

Manufacturer: Radio Sound

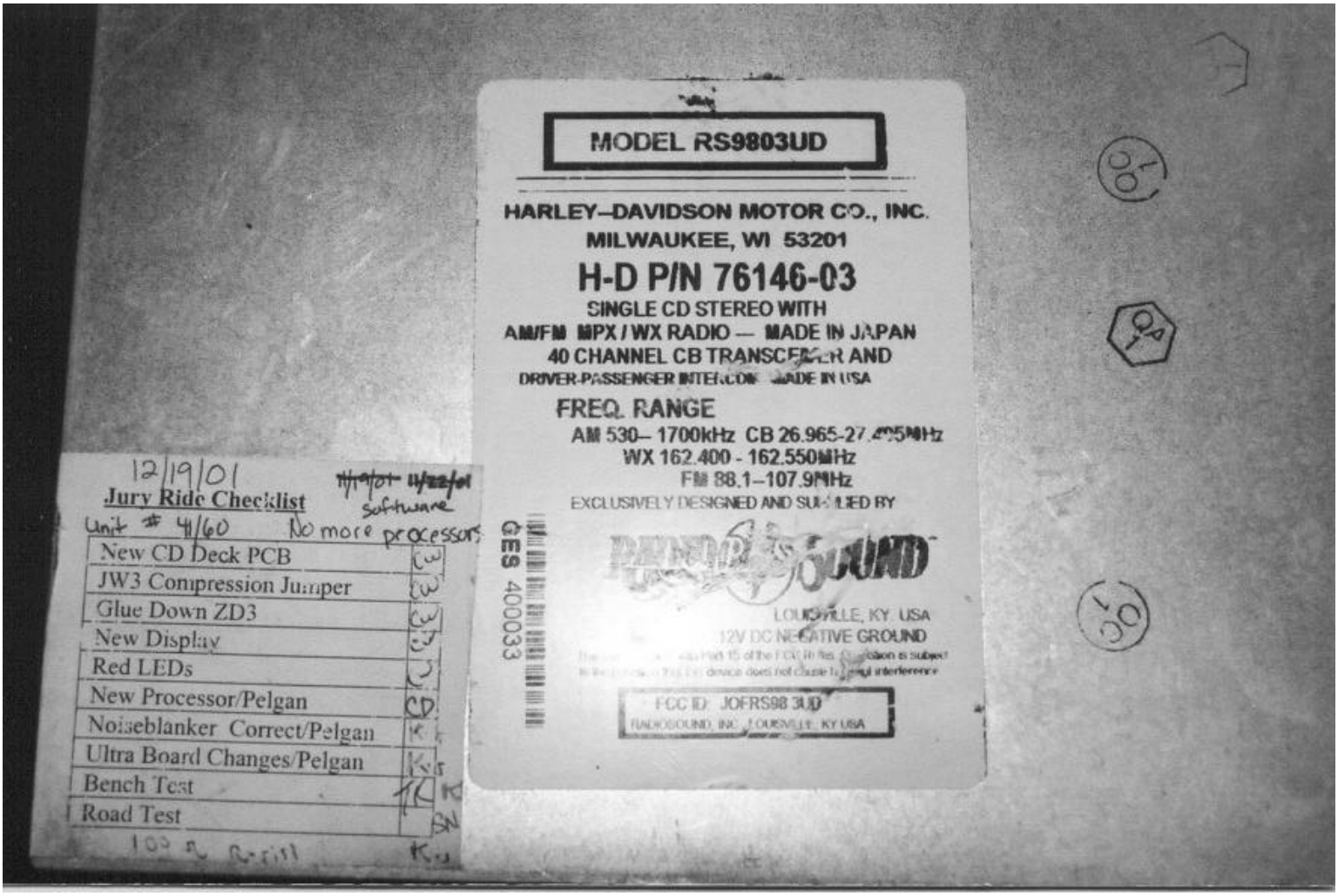
Device: Citizen Band Transceiver (27 MHz)

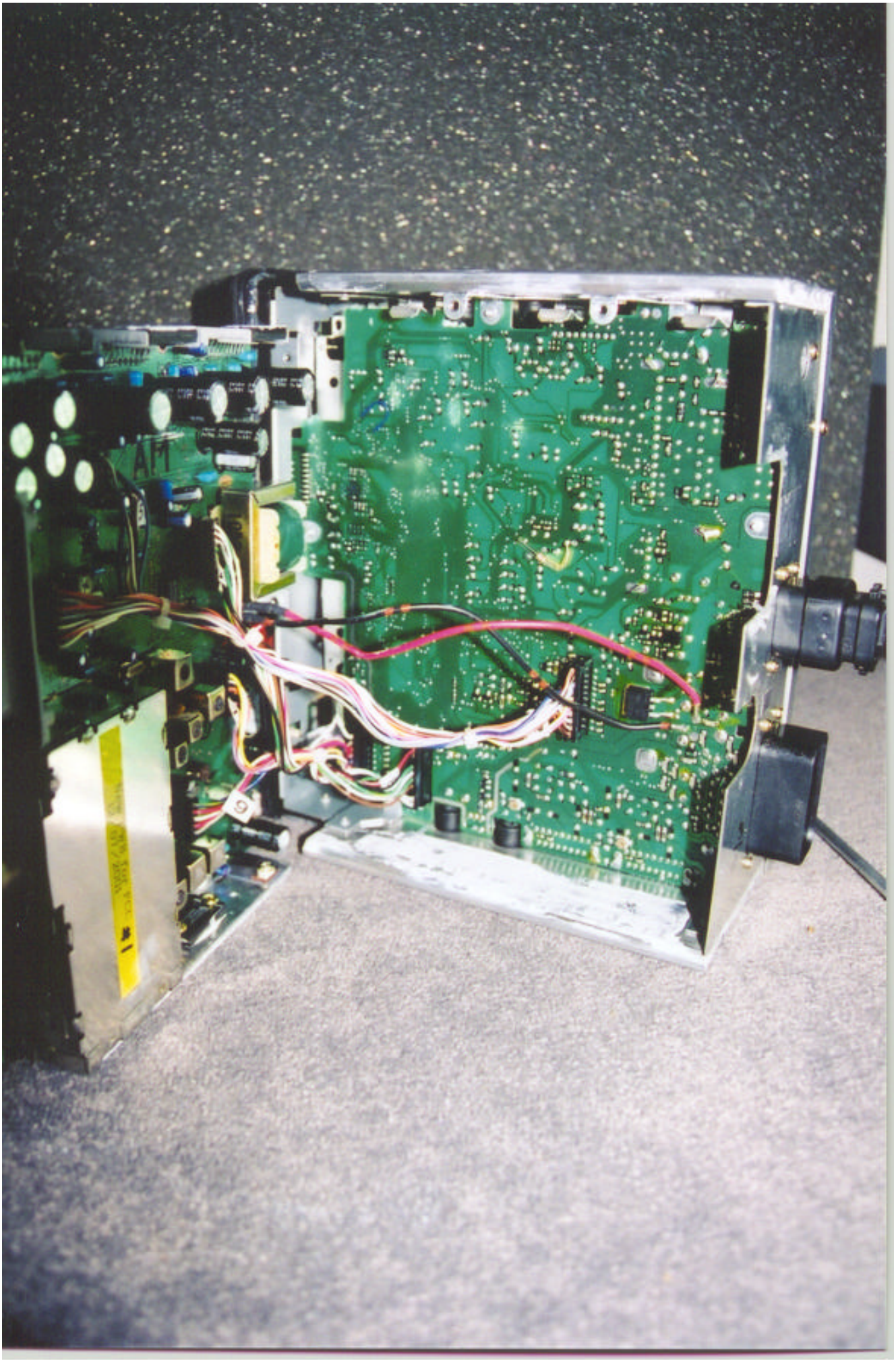
Test Condition: 13.8VDC, Modulation = 1000 Hz tone at a level 16 dB greater than that necessary to produce 50% modulation.

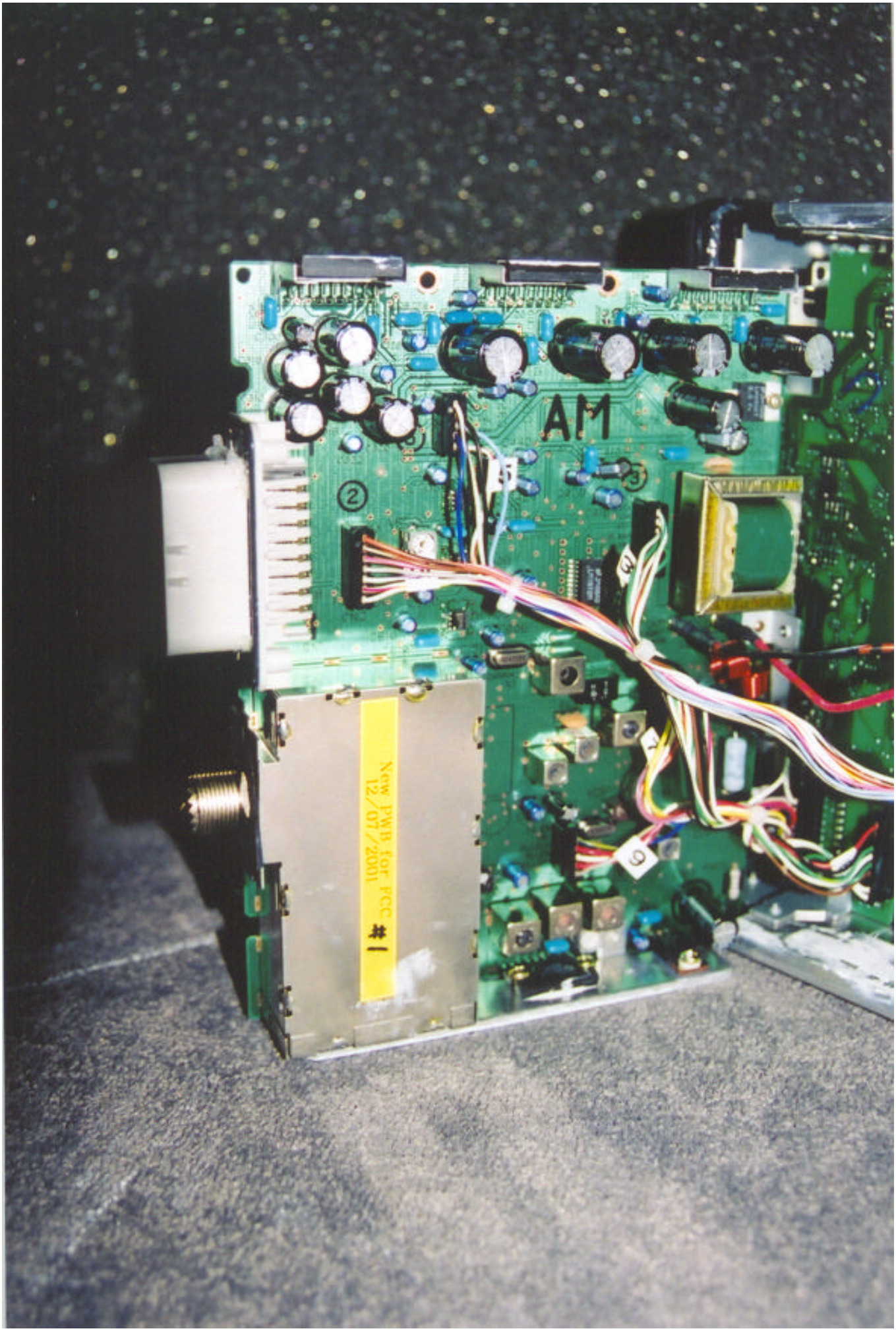
CHANNEL	POWER (WATTS)	CHANNEL	POWER (WATTS)
1	3.60	21	3.93
2	3.63	22	3.94
3	3.64	23	3.96
4	3.67	24	3.94
5	3.69	25	3.95
6	3.70	26	3.96
7	3.72	27	3.97
8	3.75	28	3.98
9	3.77	29	3.98
10	3.78	30	3.98
11	3.79	31	3.98
12	3.82	32	3.98
13	3.83	33	3.98
14	3.84	34	3.98
15	3.85	35	3.98
16	3.87	36	3.98
17	3.88	37	3.98
18	3.89	38	3.98
19	3.91	39	3.98
20	3.92	40	3.98

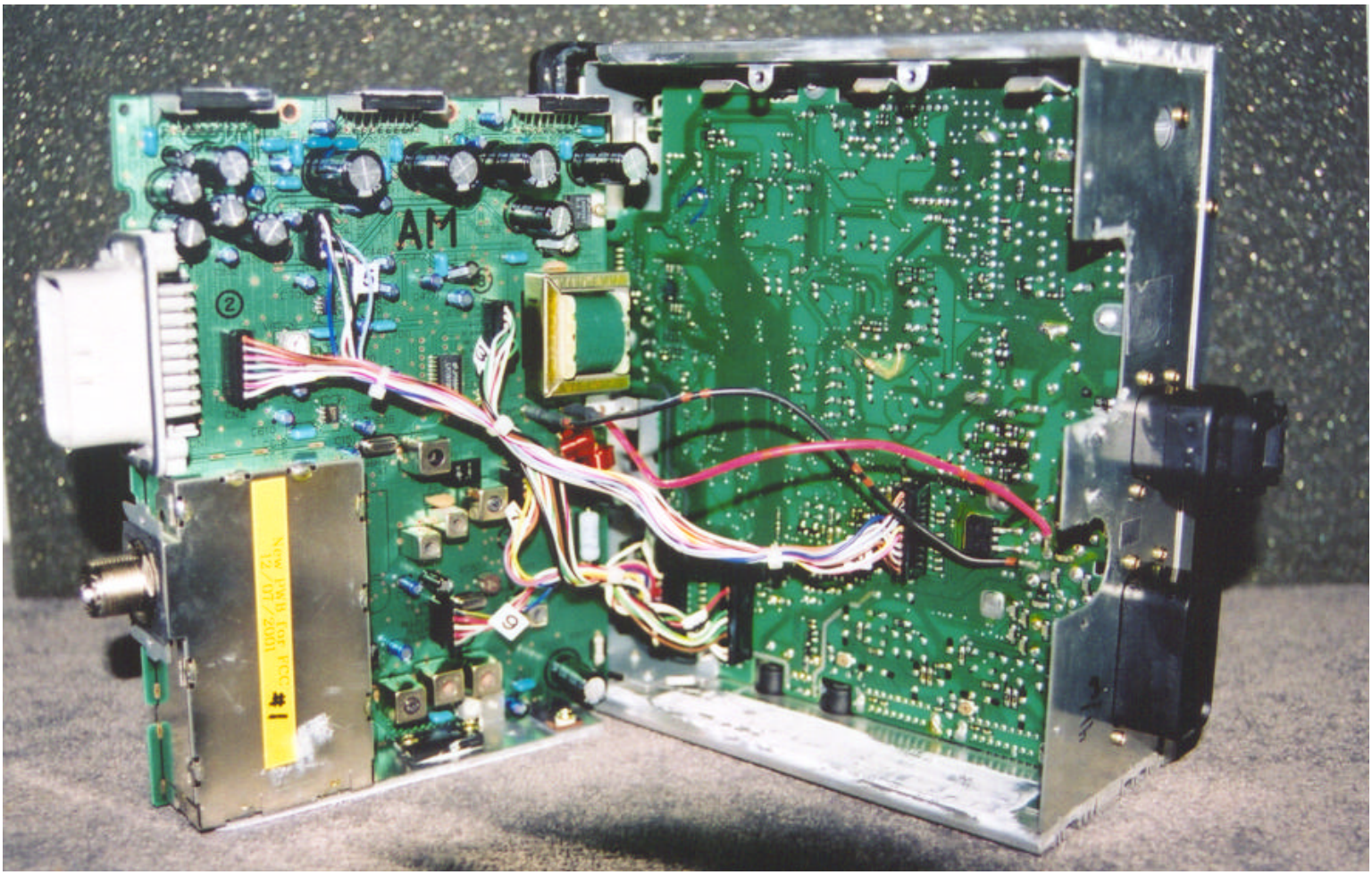
SECTION 16

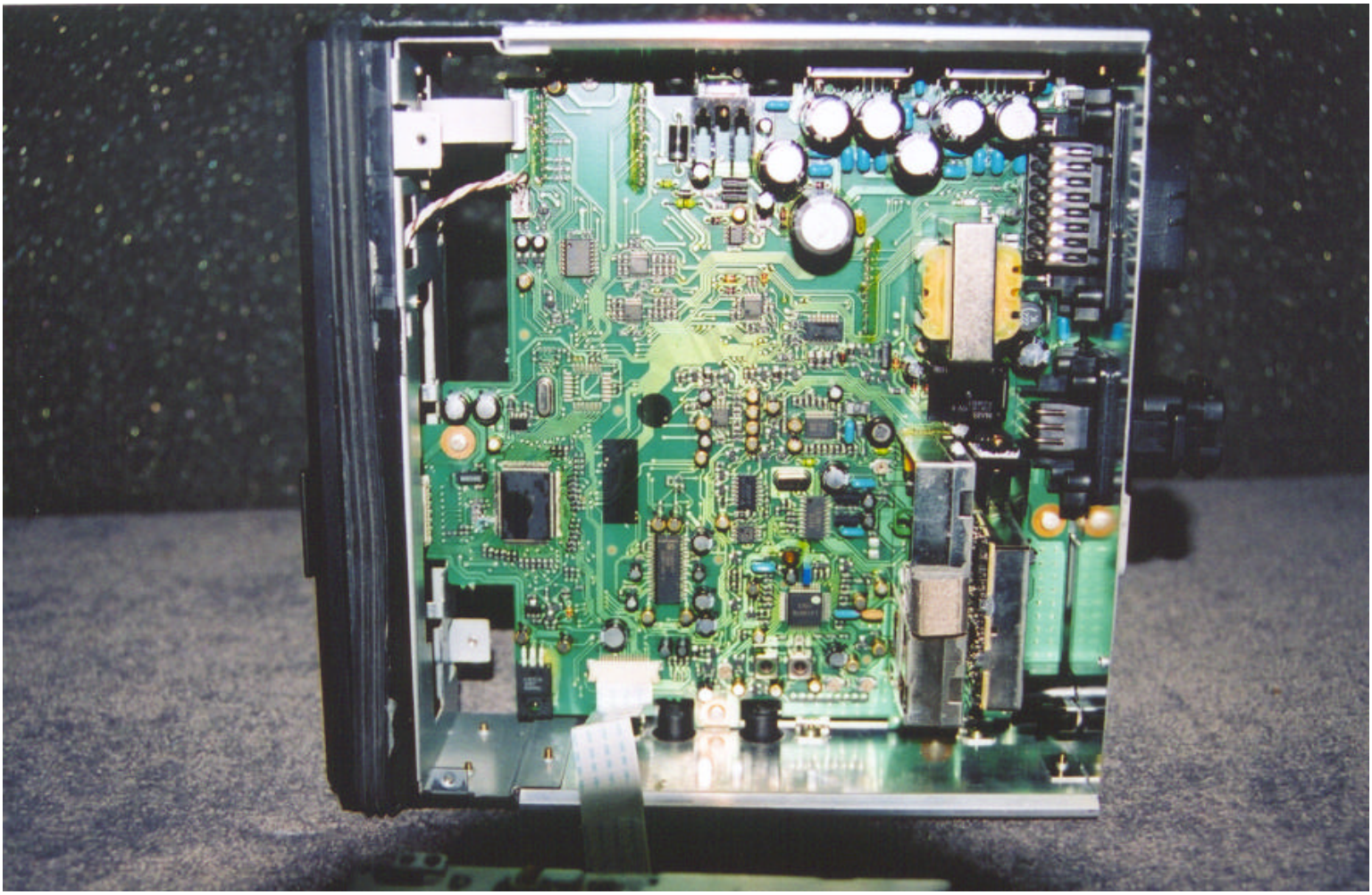
8 X 10 PHOTOS

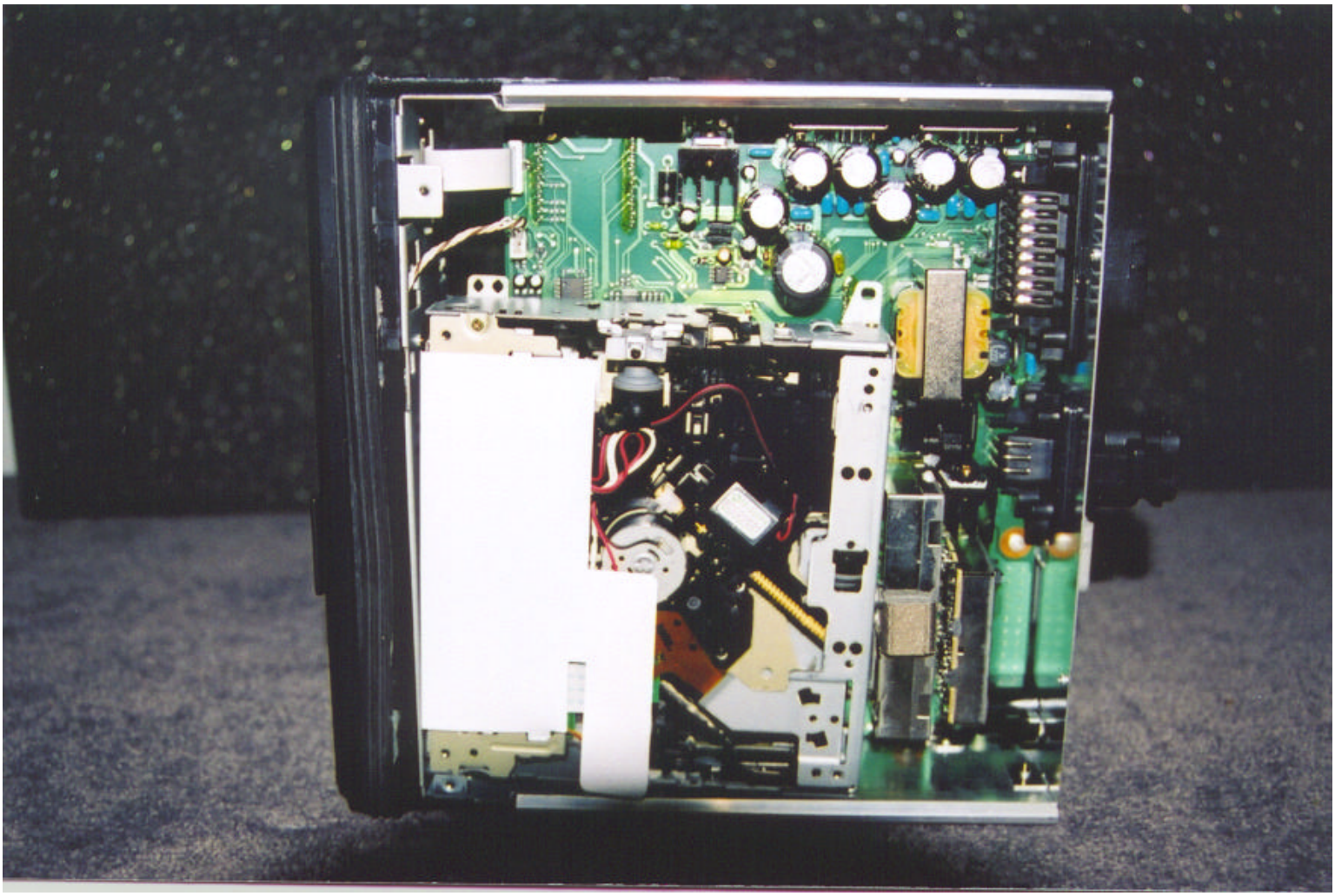

MODEL RS9803UD
HARLEY–DAVIDSON MOTOR CO., INC.
MILWAUKEE, WI 53201
H-D P/N 76146-03
SINGLE CD STEREO WITH
AM/FM MPX / WX RADIO — MADE IN JAPAN
40 CHANNEL CB TRANSCEIVER AND
DRIVER-PASSENGER INTERCOM MADE IN USA
FREQ. RANGE
AM 530– 1700kHz CB 26.965-27.405MHz
WX 162.400 - 162.550MHz
FM 88.1–107.9MHz
EXCLUSIVELY DESIGNED AND SUPPLIED BY
LOUISVILLE, KY. USA
12V DC NEGATIVE GROUND
FCC ID: JOFRS98 3UD
RADIOSOUND, INC. LOUISVILLE, KY USA
QES 400033
12/19/01
Jury Ride Checklist
11/9/01 11/22/01
software
Unit # 41/60 No more processors
New CD Deck PCB
JW3 Compression Jumper
Glue Down ZD3
New Display
Red LEDs
New Processor/Pelgan
Noiseblanker Correct/Pelgan
Ultra Board Changes/Pelgan
Bench Test
Road Test
100 Refill

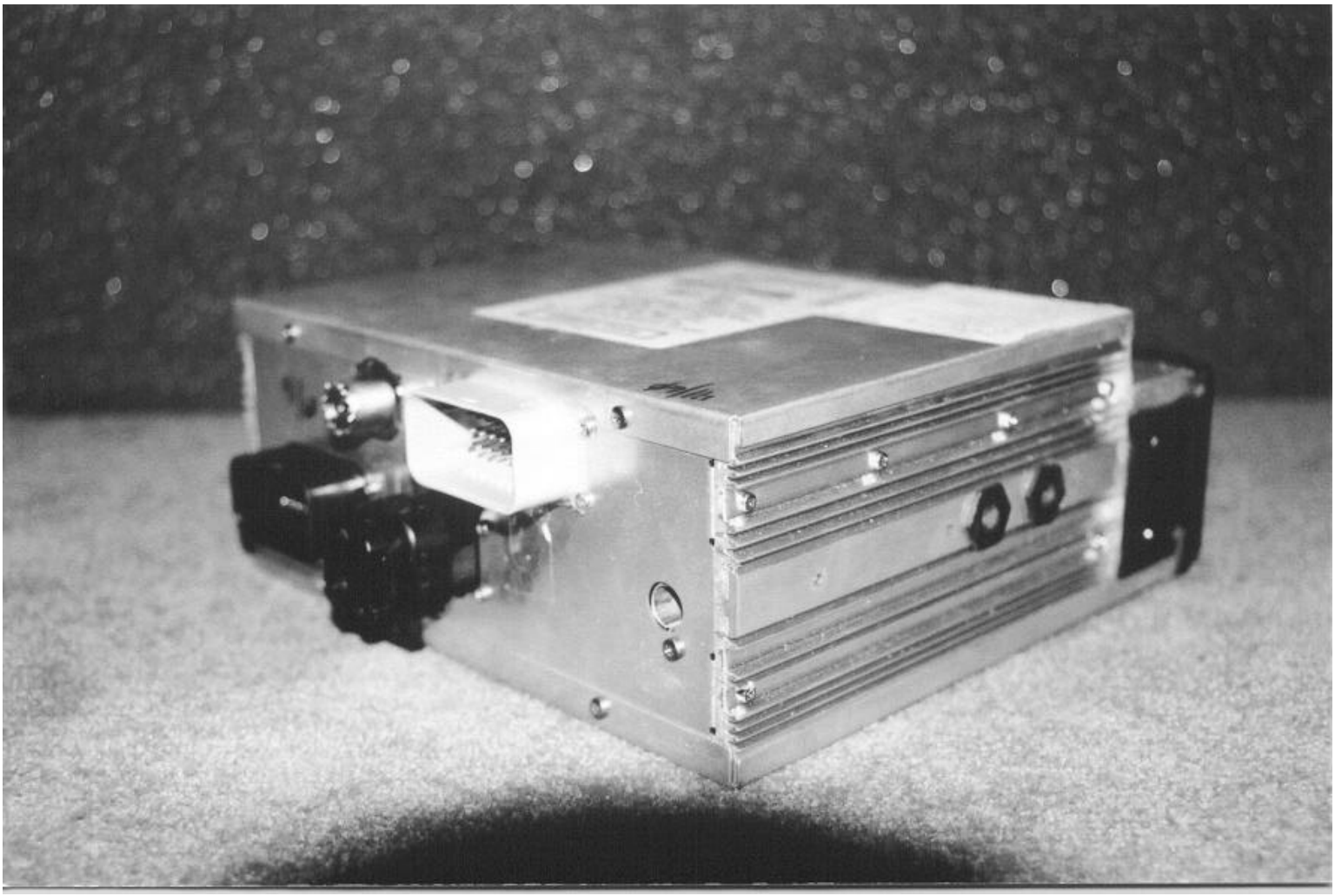

AM


AM
New PWB for FCC
12/07/2001 #1


AM








1
2 • HRS
3 • MIN
4 • RND
SE • SC
LO • DX
HARLEY - DAVIDSON
INT
CB
POWER
AUX

SECTION 17

USER MANUAL
&
SCHEMATICS