TIMCO **ENGINEERING INC.**
849 NW State Road 45
Newberry, Florida 32669
http://www.timcoengr.com
888.472.2424 F 352.472.2030 email: tei@timcoengr.com

Test Report

Product Name: CB TRANSCEIVER

FCC ID: BBO19DXIV

Applicant:

COBRA ELECTRONICS CORPORATION
6500 WEST CORTLAND STREET
CHICAGO, IL 60707

Date Receipt: SEPTEMBER 23, 2005

Date Tested: OCTOBER 10, 2005

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APPLICANT: COBRA ELECTRONICS CORPORATION

FCC ID: BBO19DXIV

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EXHIBITS CONTAINING:

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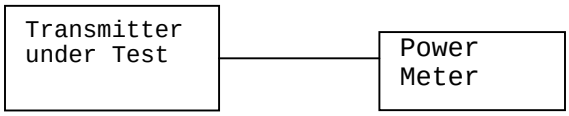
2.1046 **RF power output**

RF power is measured by connecting a 50-ohm, resistive wattmeter to the RF output connector. With a nominal battery voltage, and the transmitter properly adjusted the RF output measures:

OUTPUT POWER: 4 WATTS



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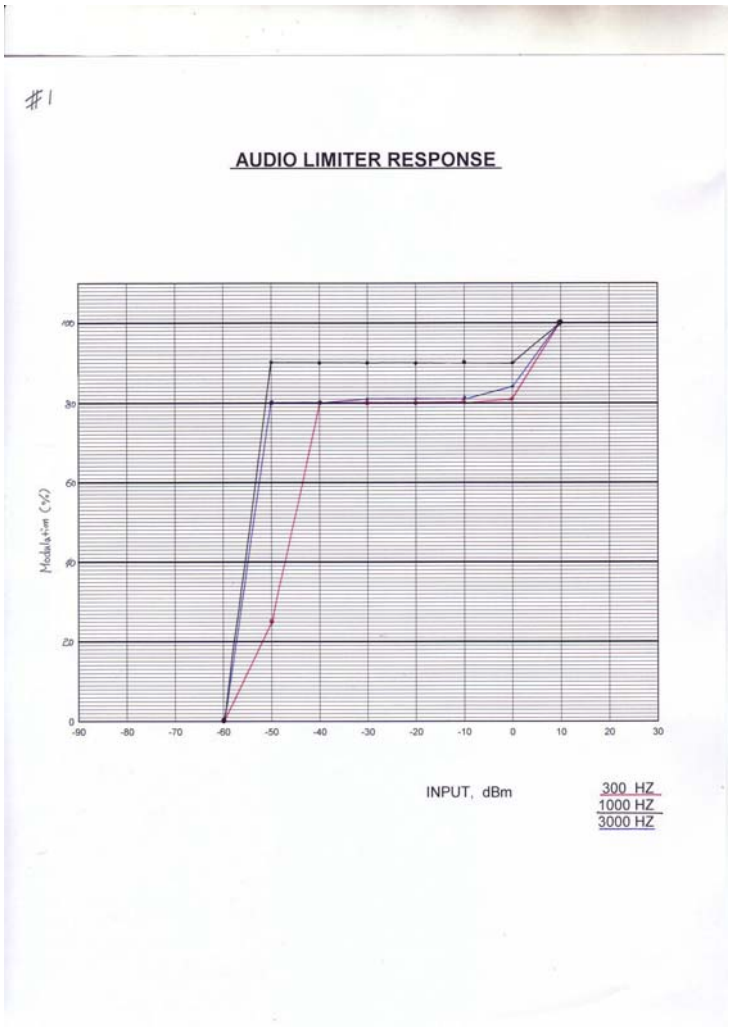
2.1047 **Modulation characteristics:**

2.1047(a) **AUDIO FREQUENCY RESPONSE**

The audio frequency response was measured in accordance with EIA/TIA-382-A Standard. The audio frequency response curve is shown below. The audio signal was fed into a dummy microphone circuit and into the microphone connector. The input required to produce 30 percent modulation level was measured.



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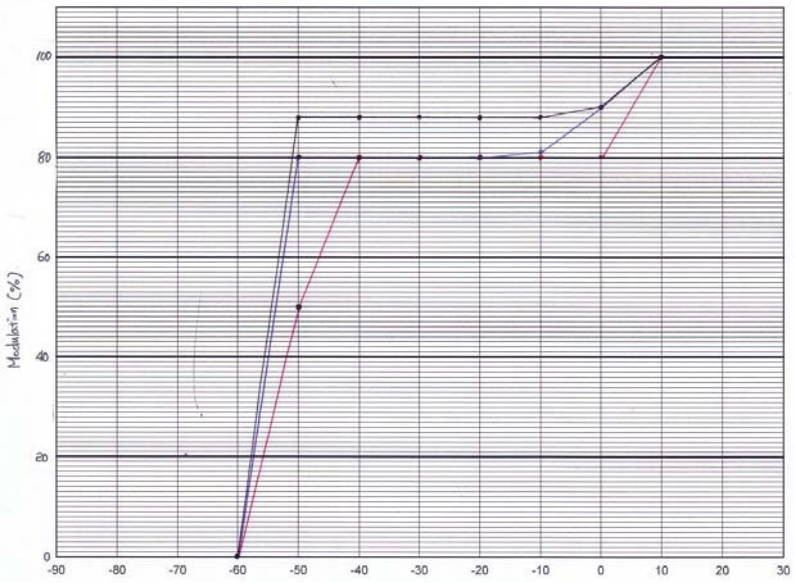
AUDIO LIMITER RESPONSE



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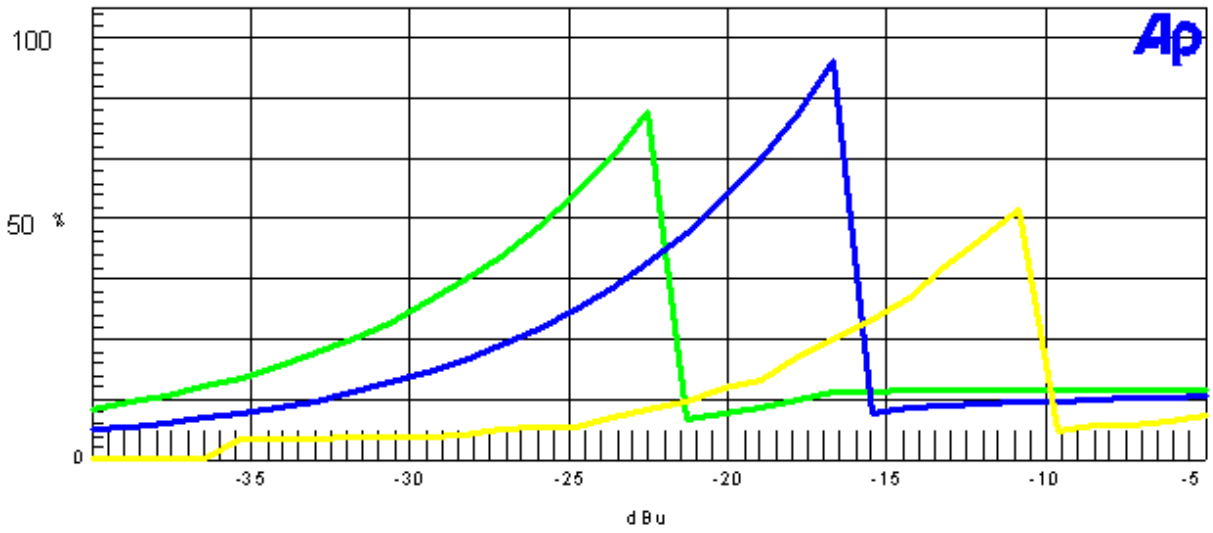
2.1047(b) **Audio input versus modulation**

The audio input level needed for a particular percentage of modulation was measured in accordance with EIA/TIA-382-A Standard. The audio input curves versus modulation are below. Curves are provided for audio input frequencies of 300, 1000, and 2500 Hz.

Modulation Limiting Plots:
2.5KHz (Green), 1.0KHz (Blue), and 300Hz (Yellow)



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2.1047
95.637 (d) **OVER MODULATION TRANSIENT RESPONSE**

A. MEASUREMENT PROCEDURE

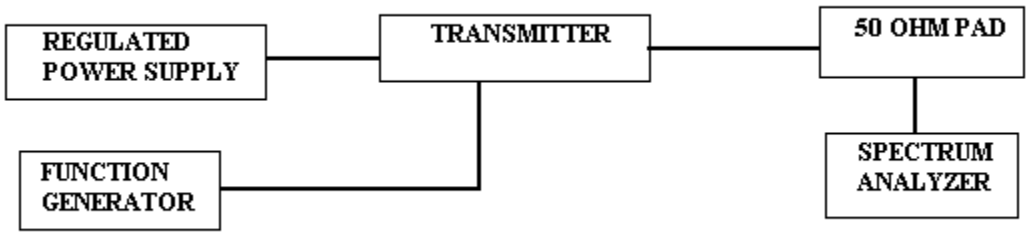
1. Set audio modulating signal at 2500Hz, at a level 16dB greater than required for 50% modulation at audio frequency of maximum response. This signal is pulsed at one(1) P.P.S. with a pulse width of 0.5sec.

2. Tune the Spectrum Analyzer to the channel on which channel on which the transmitter is set and adjust the settings as for the measurement of occupied bandwidth.

3. Then tune the Spectrum analyzer to the adjacent channel (+,-10KHz) to that on which the transmitter is set, place it in the "ZERO-SCAN", then observe the transients caused by the pulsed modulation.

4. The transients must have a duration of less than 100 milliseconds and be attenuated by at least 26dB.

B. TEST SET UP



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2.1051(a) **Spurious emissions at antenna terminals (conducted):**

Data below shows the level of conducted spurious responses. The carrier was modulated 100% using a 2500 Hz tone. The spectrum was scanned from 0.4 to at least the 10th harmonic of the fundamental. The measurements were made in accordance with standard TIA/EIA-603.

FCC Limit: At least 60 dB on any frequency twice or greater than twice the fundamental.

TEST DATA:

Freq (MHz)	dBuV
26.94	0
53.88	73.8
80.82	77.9
107.76	81.2
134.7	73.7
161.64	92.9
188.58	74.3
215.52	101.3
242.46	85
269.4	97.6

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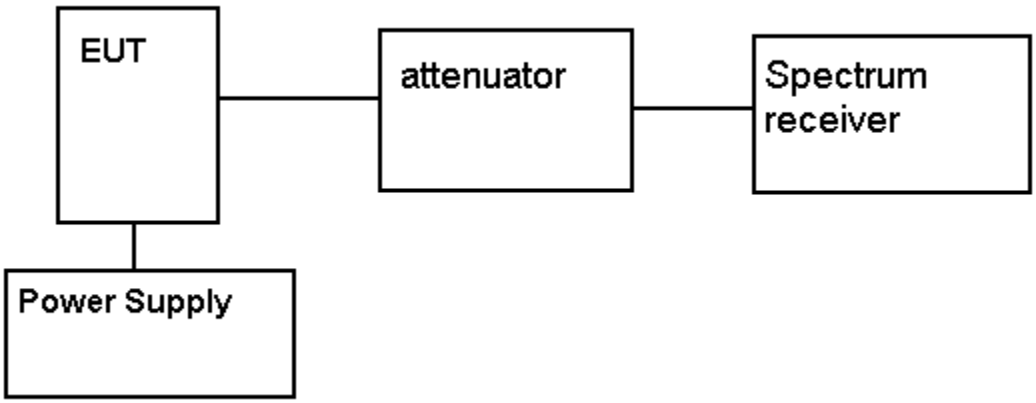
Method of Measuring Conducted Spurious Emissions



METHOD OF MEASUREMENT: The procedure used was TIA/EIA-603 STANDARD without any exceptions. The measurements were made at TIMCO ENGINEERING INC. 849 N.W. State Road 45, Newberry, Florida 32669.

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EMC Equipment List

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
3-Meter OATS	TEI	N/A	N/A	Listed 1/13/03	1/12/06
3/10-Meter OATS	TEI	N/A	N/A	Listed 3/27/04	3/26/07
Blue Tower Spectrum Analyzer	HP	8568B	2928A04729 2848A18049	CAL 4/13/05	4/13/07
Blue Tower RF Preselector	HP	85685A	2926A00983	CAL 8/3/05	8/3/07
Blue Tower Quasi-Peak Adapter	HP	85650A	2811A01279	CAL 4/13/05	4/13/07
Silver Tower Spectrum Analyzer	HP	8566B Opt 462	3552A22064 3638A08608	CAL 12/8/04	12/8/06
Silver Tower RF Preselector	HP	85685A	2620A00294	CAL 4/27/04	4/27/06
Open-Frame Tower Preamplifier	HP	8449B	3008A01075	CAL 8/8/05	8/8/07
Biconnical Antenna	Eaton	94455-1	1096	CAL 8/17/04	8/17/06
Log-Periodic Antenna	Electro-Metrics	LPA-25	1122	CAL 8/26/04	8/26/06