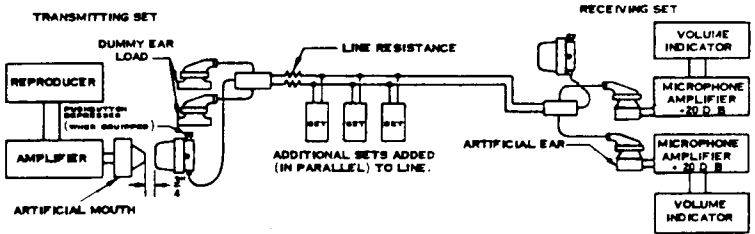


DESIGN CHARACTERISTICS

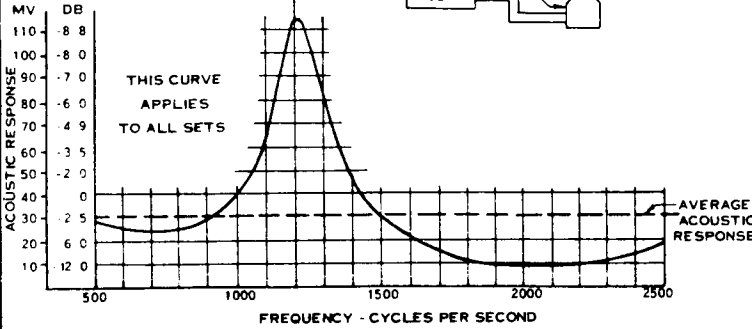
METHOD OF DETERMINING SOUND OUTPUT



1. SOUND PRESSURE OF 100 DECIBELS MAINTAINED 3/4 INCH FROM ARTIFICIAL MOUTH.
2. ZERO DECIBELS EQUALS .0002 DYNES PER SQUARE CENTIMETER.
3. FREQUENCY VARIES ACROSS BROAD BAND (500-2500 CYCLES PER SECOND) AT A UNIFORM RATE OF 5 5/9 TIMES PER SECOND.
4. SOUND OUTPUT, IN DECIBELS, IS READ ON VOLUME INDICATORS.

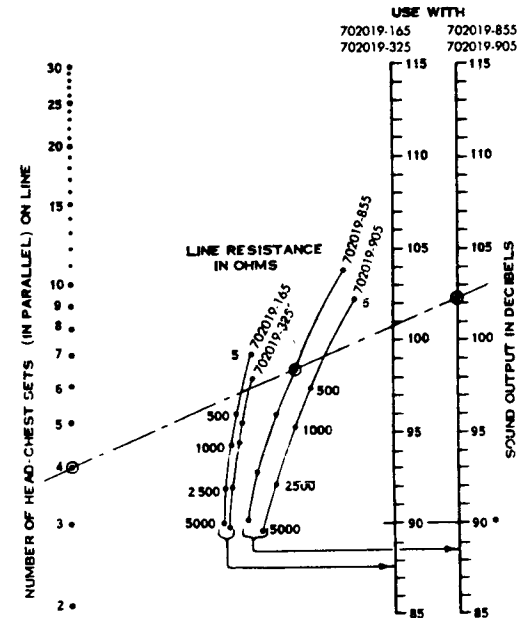
FREQUENCY RESPONSE CURVE FOR TYPICAL HEAD-CHEST SET

1. FREQUENCY VARIED ON BEAT
2. FREQUENCY OSCILLATOR
3. CONSTANT VOLTAGE OF 0.8 MAINTAINED ON V1
4. VOLTAGE READ ON V2
5. DB READINGS ARE RELATIVE TO THE 40 MILLIVOLT LEVEL AT 1000 CYCLES PER SECOND



THIS CURVE APPLIES TO ALL SETS

AVERAGE ACOUSTIC RESPONSE



SOUND OUTPUT

PLACE STRAIGHT EDGE OVER POINT INDICATING NUMBER OF HEAD-CHEST SETS TO BE USED.

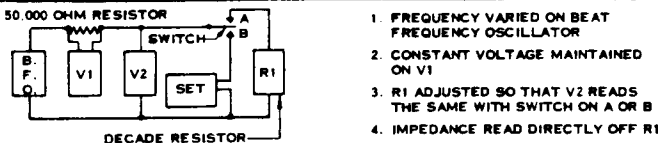
HOLDING FIRST POINT, ALIGN STRAIGHT EDGE OVER POINT INDICATING TOTAL LINE RESISTANCE ON CURVE CORRESPONDING TO TYPE OF HEAD-CHEST SET TO BE USED.

READ SOUND OUTPUT IN DECIBELS IN COLUMN CORRESPONDING TO TYPE OF HEADSET TO BE USED

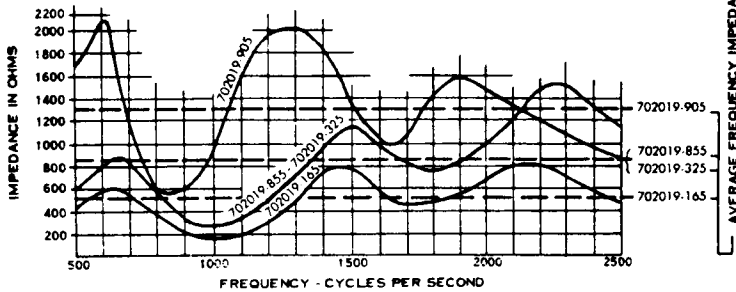
EXAMPLE: TYPE 702019-855 HEAD-CHEST SET WITH 4 SETS ON THE LINE AND WORKING THROUGH 500 OHM DC RESISTANCE (LINE WILL GIVE 102.2 DECIBELS SOUND OUTPUT AT LISTENERS' EARS.

* NOTE: SOUND OUTPUT BELOW 90 DECIBELS IS NOT CONSIDERED SATISFACTORY FOR NORMAL INDUSTRIAL USE.

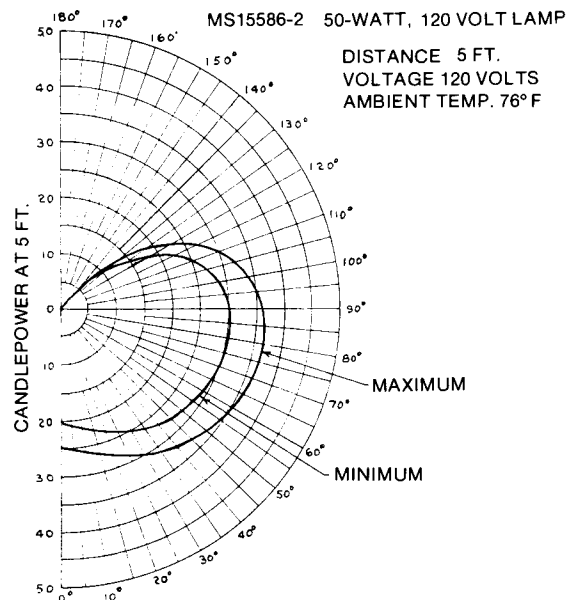
IMPEDANCE CURVES FOR TYPICAL HEAD-CHEST SETS



1. FREQUENCY VARIED ON BEAT
2. FREQUENCY OSCILLATOR
3. CONSTANT VOLTAGE MAINTAINED ON V1
4. R1 ADJUSTED SO THAT V2 READS THE SAME WITH SWITCH ON A OR B
5. IMPEDANCE READ DIRECTLY OFF R1



VISUAL SIGNAL DEVICE



CANDLEPOWER DISTRIBUTION CURVES