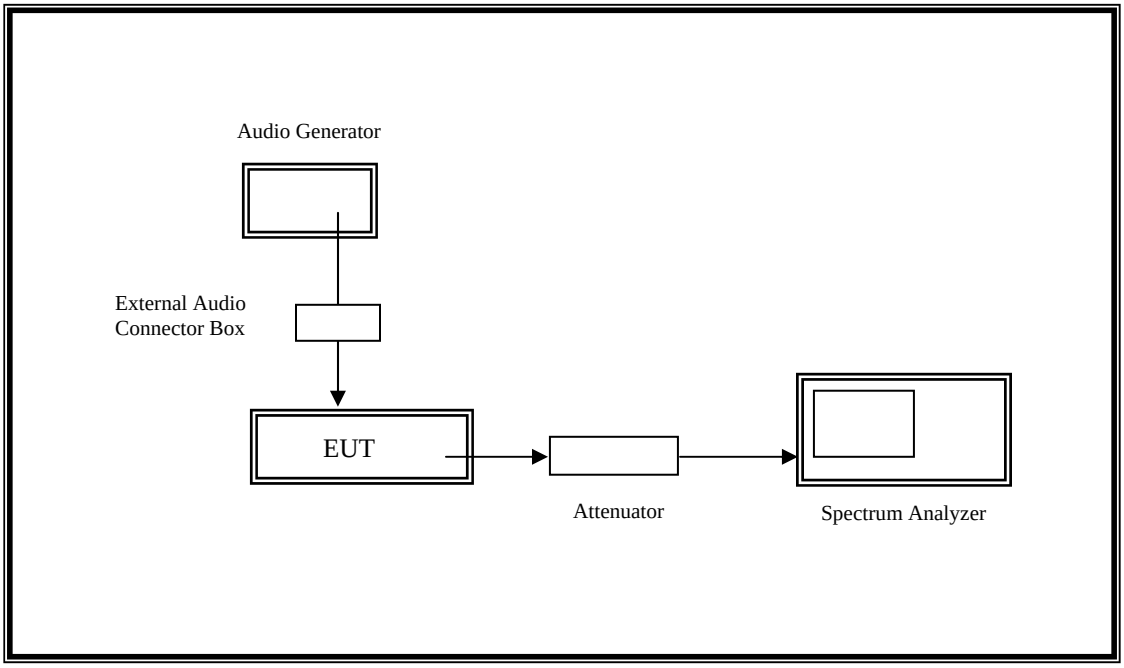
Company: Headline Systems, Inc
FCC ID: U5IHL-1511

OUTPUT POWER MEASUREMENT

Test Setup:



Test Method:

According to TIA-603-C section 2.2.1

1. Connect the equipment as shown on the above figure.
2. Set the audio generator according to the alignment procedure (1 kHz at 80 mVrms).
3. Set the offset level based on Path losses (attenuator and cable) on the spectrum analyzer and measure the transmitter output.
4. Record the measured value in step three as the conducted output power.
5. Repeat steps 3 and 4 for other specified channels.

The conducted output power was derived based on the following calculation:

Conducted Output Power = Power Reading (dBm) + 30dB Path Loss (Attenuator + Cable)

Note: The 30dB path loss was configured in the Spectrum Analyzer's offset level setting; hence the reading on the display is the conducted output power as recorded on the following tables.

High Power

Frequency Spacing (kHz)	Frequency (MHz)	Output Power (dBm)	Output Power (Watt)
VHF (25kHz)	136.025	36.11	4.083
VHF (25kHz)	155.025	36.15	4.121
VHF (25kHz)	173.975	36.07	4.046
VHF (12.5kHz)	136.025	36.12	4.093
VHF (12.5kHz)	155.025	36.37	4.335
VHF (12.5kHz)	173.975	36.07	4.046

Low Power

Frequency Spacing (kHz)	Frequency (MHz)	Output Power (dBm)	Output Power (Watt)
VHF (25kHz)	136.025	29.04	0.802
VHF (25kHz)	155.025	29.15	0.822
VHF (25kHz)	173.975	29.14	0.820
VHF (12.5kHz)	136.025	29.01	0.800
VHF (12.5kHz)	155.025	29.19	0.830
VHF (12.5kHz)	173.975	29.20	0.832