



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

Report of Examination

Examiner Name: Hirotaka Nakasone *HN* Date: June 23, 2004  
 Unit: Forensic Audio, Video & Image Analysis Phone No.: 703 632-6247  
 Case ID No.: 95D-HQ-1447112 Lab No.: 040505255 GA

Results of Examinations:

The critical listening and digital signal analysis examinations were conducted on the designated 911 recording on specimen Q1 to determine whether there is a male person speaking in the background, and if there is, determine whether this voice is originated from the background on the caller side or the background on the 911 station side.

The above examinations revealed the following general information about the 911 recording on specimen Q1. The total recording lasts approximately six minutes and five seconds, including the preamble by a female 911 attendant. The actual 911 call lasts approximately five minutes and forty-eight seconds beginning from the moment the 911 telephone rings to the moment the dispatcher disconnects after Rescue arrives on scene. There are four clearly definable voices in this 911 recording. These voices include a female 911 attendant giving a preamble prior to the beginning of the 911 recording, a female 911 dispatcher responding to the call, a female caller requesting emergency help, and a male from the emergency rescue team. In addition to these four voices, there are other extremely low level voices of unknown origin intermittently occurring in the course of the total recording duration.

The low level voices of unknown origin were subjected to critical listening and spectrographic analyses, which revealed that some of these intermittent voices are consistent with cross talk from adjacent channel, and other extremely low level voices are more likely to have been caused by the sound from a radio or TV broadcast picked up acoustically by the telephone or electronically either in the background at the 911 station (Communications Center) or in the background at the caller's end.

Due to the absence of the alleged male (decedent 's) voice in the 911 recording, it was determined that a voice identification examination is not possible.

The FBI Information Technology Division (ITD) was requested to review the results of the analysis of the recorded contents on specimen Q1 reported by GaideCom, Inc. in NE 5, and to include any voice information that ITD observes. The following table shows the results of the critical listening and signal analysis conducted by ITD in relative time reference with GaideCom's findings.



00:00.000	File begins	File begins
00:00.000 - 00:04.000		Preamble by a female 911 Communication Center attendant
00:04.050		Pertinent 911 call begins
00:09.030		Female caller begins reporting her husband having a heart attack. Her voice sounds hysterical, distressed, crying and sobbing most of the time
01:13.000 - 01:14.300		Excessive inhalation noise while sobbing
01:42.000 - 01:44.500		Caller responds, "Tell me what to do"
01:42:852-01:47:705	Excerpt 1 Male: "Get me help. Get me help."	Extremely faint, almost inaudible signal, independent from and unrelated to this 911 call. The voice is extremely low level at SNR = -1.80 dB
01:53:522 - 01:57:156	Excerpt 2 A faint male voice saying something unintelligible	Caller sobs. Extremely faint, almost inaudible signal, independent from and unrelated to this 911 call. The voice is extremely low level at SNR = -1.60 dB.
01:56.200 - 1:56.500		Brief utterance, "All right." at a low pitch, possibly by 911 Dispatcher. The voice is audible at SNR = 4.42 dB
01:59.222 - 02:02.543	Excerpt 3 A faint male voice in the distant background calling out an unintelligible name or word	Unknown source(s): One syllable utterance is audible, approximately .03sec. The voice is extremely low level at SNR = -0.36 dB
02:05:845-02:07:541	Excerpt 4 Male: "Help me."	No audible signal. SNR = -0.9 dB
02:39:811 - 02:42.173	Excerpt 5 A faint male voice saying something unintelligible	No audible signal other than Caller breathing, and Dispatcher and Caller speaking.



Time Reference  
(mm:sec:000)

GaideCom

FBI, ITD

02:42:220-02:57:452	Excerpt 6 Male: "Didn't you call for an ambulance?" Female caller "Yes" Male: "You had said you were gonna get an ambulance." Female caller: "Yes"	Unknown source(s): Low level voice info audible. Due to characteristics, most likely independent from and unrelated to this 911 call. The voice is extremely low level (SNR=0.55 dB), spoken at a normal speaking rate, and calm. Female caller is heard, possible inhalation sobs.
02:57:475-03:00:030	Excerpt 7 Caller: "(Unintelligible)...lie on the floor." Immediately thereafter, male: "Why?"	Caller says, "Murray" followed by a 3-4 syllable phrase, possibly uttering "God help me!", low voice level at SNR= 6.45 dB. Unknown-source: sounds like coming from radio or TV broadcast, most likely independent from and unrelated to this 911 call. Extremely low level at SNR = 1.27 dB
03:00:064-03:11:970	Excerpt 8 Male: "(Unintelligible)...I can't stand, (Unintelligible)...a heart attack."	A grunting sound in background. Female caller: sobbing, low-level.
03:14.153 - 03:16.533	Excerpt 9 A male voice in the distant background saying something unintelligible.	Possible brief 0.5 sec area with voice, 2 syllables, unknown source; occurs between Dispatcher saying "OK__lay him flat...".
03:44:351-03:58:138	Excerpt 10 Male: "I should beat you up." Caller: "I love you baby."  Two clicks.	Female caller in background sobbing. Dispatcher (near party) says softly, "I should..." followed by utterance by unknown source. Unknown-source: sounds like coming from radio or TV broadcast, most likely independent from and unrelated to this 911 call. Extremely low level at SNR = 1.27 dB. Female caller sobbing, says something unintelligible at end of segment followed by sob and telephone "clicks"
03:58:141-04:03:096	Excerpt 11 Caller: "When are you going to give it up?"	Click. Caller utters 2 syllables, followed by extremely low level sounds like coming from radio or TV broadcast, most likely independent from and unrelated to this 911 call.



Time Reference  
(mm:sec:000)

GaideCom

FBI, ITD

04:03:097-04:09:614	Excerpt 12 Male coughing, and saying "You're a bitch, bitch."	Caller sobbing, possibly says something unintelligible. (04:07.000 - 4:09.000) Unknown source: "Junk mail..." This utterance is most likely independent from and unrelated to this 911 call. Low level: SNR=1.33 dB
04:09:649-04:25:375	Excerpt 13 Caller screams "Give up (unintelligible)"	Caller utters two loud syllables (possibly "Mi amor") followed by lower-level syllables/words - unintelligible.
04:31.400 - 04:51.100		Dispatcher gives instruction how to give breath
04:50:290-05:01:905	Excerpt 14 Brief beeping tone. Caller can be heard holding the phone receiver and breathing. A male voice can be heard in the distant background. No sound of the caller putting the phone down is heard.	Telephone tones. Following the tones, the sound of Caller's activity is perceived louder while she is on the phone. Caller can be heard probably giving a couple of breaths and reports back to Dispatcher. No other audible voice.
05:19.000 - 05:24.000		Caller gives another set of two breaths.
05:26.000 - 05:28.000		Caller reports to Dispatcher "Here are the people" and says, "Come in"(slightly lower level); Caller is faintly heard sobbing.
05:38.000 - 05:40.000		Male Rescue asks, "How long has he been down?" SNR=7.36 dB
05:45.000		Dispatcher: "Disconnect. Rescue on scene.", disconnects the 911 call. SNR=16.94 dB
05:47.000		File ends

Over all Signal-to-Noise Ratio( SNR) of the 911 call = 23.53 dB (normally regarded as typical telephone voice signal level)

Tone present at 24-31 Hz covering 85.84 % of the entire signal (attenuated during ITD's Enhancement procedures).

Bandwidth = from 156.25 Hz to 3335.94 Hz (normally regarded as typical telephone frequency bandwidth)