

FD-340 REV. (6-14-77)

Field File No. 89-43-11374

OO and File No. _____

Date Received 9/30/80

From _____
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

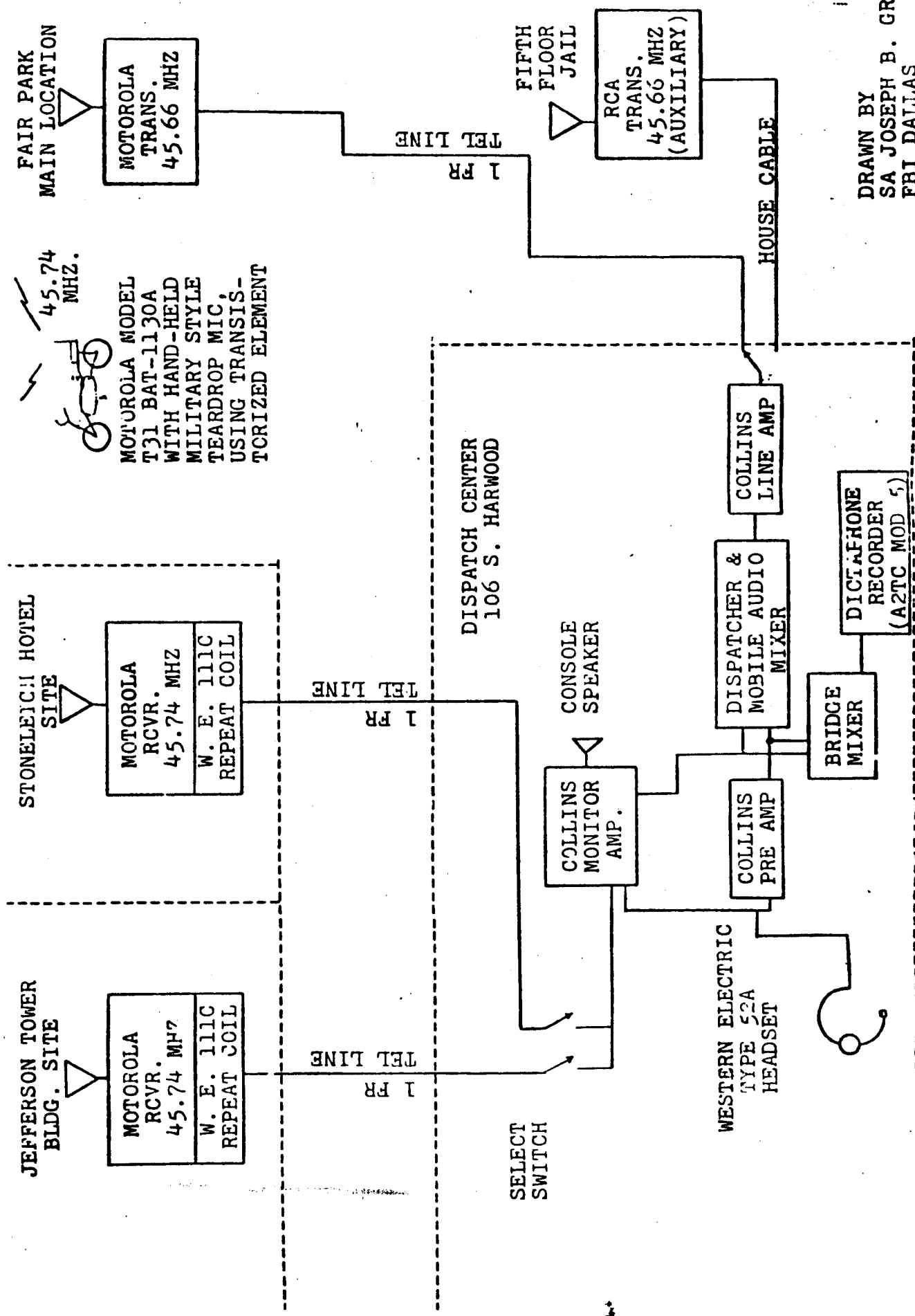
By SA [REDACTED]
(NAME OF CONTRIBUTOR)

To Be Returned Yes
 No

Receipt Given Yes
 No

Description:

Copy of two charts
prepared by SA [REDACTED]
[REDACTED] re Channel
one and Channel two,
Dallas PD, November 22,
1963.



45.74 MHZ.
 MOTOROLA MODEL T31 BAT-1130A WITH HAND-HELD MILITARY STYLE TEARDROP MIC, USING TRANSIS-TCRIZED ELEMENT

DRAWN BY
 SA JOSEPH B. GRAY
 FBI DALLAS
 9/30/80

DALLAS, TEXAS, POLICE RADIO SYSTEM
 AS OF NOVEMBER 1963 -- CHANNEL ONE

FAIR PARK
MAIN LOCATION

MOTOROLA
TRANS.
45.78 MHZ

FIFTH
FLOOR
JAIL

RCA
TRANS.
45.78 MHZ
(AUXILIARY)

DRAWN BY
SA JOSEPH B. GRAY
FBI DALLAS
9/30/80

45.78
MHZ.

MOTOPOLA MODEL
T31 BAP-1130A
WITH HAND-HELD
MILITARY STLYE
TEARDROP MIC,
USING TRANSIS-
TORIZED ELEMENT

SOUTHLAND CENTER
SITE

MOTOROLA
RCVR.
45.78 MHZ
W. E. 111C
REPEAT COIL

DISPATCH CENTER
106 S. HARWOOD

TEL LINE
1 PR

JEFFERSON TOWER
FLDG. SITE

MOTOROLA
RCVR.
45.78 MHZ
W. E. 111C
REPEAT COIL

TEL LINE
1 PR

SELECT
SWITCH

COLLINS
MONITOR
AMP.

CONSOLE
SPEAKER

WESTERN ELECTRIC
TYPE 52A
HEADSET

COLLINS
PRE AMP

COLLINS
LINE AMP

BRIDGE
MIXER

GRAY AUDIOGRAPH
DISK RECORDER

HOUSE CABLE

DALLAS, TEXAS, POLICE RADIO SYSTEM
AS OF NOVEMBER 1963 -- CHANNEL TWO

FD-340 REV. (6-14-77)

Field File No. 89-43-11325


OO and File No. _____

Date Received 8/27/80 + 9/15/80

From _____

(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

By SA  SPECIAL AGENT

To Be Returned Yes

No

Receipt Given Yes

No

Description:

Notes re interview with
Capt. James C. Bowler,
Dallas PD.

Dictaphone

A 2 TC Mod 5
30 min belt -
± 15 db 300/2500 hertz

Gray Audiograph

[REDACTED]
x
v
[REDACTED]

[REDACTED]

Phone line capability
200/2800 hertz ± 10%
due to line peculiarity

"Voice grade" circuits

Microphone too - (probably)
less or low (300/3000)

No + directional in '62

Voice canceling (not fully done)

We used carbon mikes like phone

or dynamic mikes - Try a pair

close speaking mikes as they
would give better reception to

voice modulation with 1-2"
mikes.

→ Rise & No. of
freq response
200/3000 hertz

8/27/81
8:30 AM -
1:00 PM

Jim -

Jim -

J.C. [unclear] -

Supervisor
1956 - 1966

Make a model spec. are not
available [unclear] in [unclear] [unclear]

a particular [unclear]

Sold in the common market bid basis but some spec. 90% probability it was Motorola - G.E. poss & RCA
certain spec. had to be met.

voice cancelling [unclear]

[unclear] of [unclear]

with

voice quality only - no fidelity requirements

when received at mike
main ^{transmitter} antenna - Fair Park

most ~~can~~ activated relay
remote repeaters - Jefferson 10-
office Bldg. 2200 Park of W.

Stonleigh Hotel Jefferson
Southland Center - ?

(receiver) Telephone Co. had line from
^{transmitter} to main transmitter

dispatcher

transmitter - probably Motorola

telephone line - split when
it came to ^{HQ} telephone wire
one to the recorders + one
to dispatches (speakers)

motorcycle going 4-5 mi per hr. -

Doppler effect

McClain -

DiTabell -

Ch. 1 - 12:00 P - 1:33

Ch. 2 - Gray - 17:37 - 1:33 P

should take both together

27-30 mi per hour

3 wheel officer - Ch. 1 only had -
Trad. Mast - borrowed motorcycle -
retired - embarrassed about it -

1st exposure - 11/22/63 -
March of 1964 FBI tried to
transcribe -
Harris made tapes for the
FBI

he has made the transcript

FBI played with the belts trying
to transcribe them

bracketed the period as being
blank -

first copy would have been
reel to reel

used then for uncounted hours
played them on dictaphone machine

~~metro~~ Heterodyne - two transmission
collide & makes an sound

thinks they are dimples on the belt
that caused the peaks

as close as anyone to the camera
procedures ^{part} he is the best evidence

they found impulse patterns

his research started sometime in ^{spring} 1978

commission determination he
factually disproved.

back Sep. 8 -

J.C. Boulder U
WJ Davis
Gray

Motorola - in Miss.
HQ - Beloxi
used to be a radio
technician w/ DL PD

records not kept on
to the racks of
other equipment
at a station house

almost all of the
motorcycle equipment
was Motorola

three Wheeler motorcycles
was the same type
of equipment as this
automobile - in
wike like a test-
wheeler

Frequency - 45, w/ a
cylinder

(2)

reparers -
went to on
reparers -
a ladder
to mean

not direct
car capon
had a fu
system -
transmit
to receive

Capt. thinks
1st series
red copy -
the Bureau
he has a
of the red
house.

indica of
spite - parti
from this -
from some

was in
[redacted] [redacted]

7C
[redacted] - Dispatchers
on call

virtually continuous

12:30 55 Approx
time of the [redacted] shot
on Dr. 1 time

The on-off
(British - some
wired hot - some
not - radio on
three wheels probably
was not hot wired -
the explanation is
that the motorcycle
was running

had no steady - by
transmit light

Feels that the equipment
was heavily camouflaged.
Spec level was the
same over a period
of time.

2001 3000
with quality

Dr. 2 - was probably
a one frequency
channel - stand-by
channel

[redacted]
WDR Transmitter
communications
670-1147

[redacted] 7C

[redacted] 7C P

Field File No. 89-43 M346

OU and File No. _____

Date Received 9/19/80

From _____
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

By SA [REDACTED]
(NAME)

To Be Returned Yes No
Receipt Given Yes No

Description:
Notes re interview
with [REDACTED]
and [REDACTED]
as well as copy of
charts made available
by [REDACTED]

JEFFERSON TOWER BLDG SITE

SOUTH BAY CENTER

MOTOROLA RCVR 45.78 MHz
W.E. 111C
RFYER COIL

MOTOROLA RCVR 45.78 MHz
W.E. 111C
RFYER COIL



IFR TEL LINE

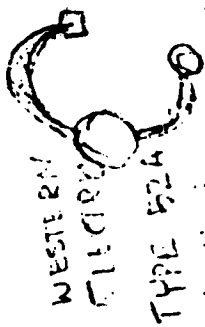
IFR TEL LINE

SEL. SW.

DISPATCH CONSOLE

COLLINS MONITOR 11A1E

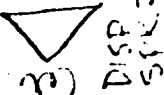
COLLINS PRE-AMP



WESTERN ELECTRIC TYPE 524 LEAD SET

DISPATCH CENTER

DISPATCH CTR 106 S HAWKWOOD



COLLINS LINE

(ACTIVE FOR ISOLATION)

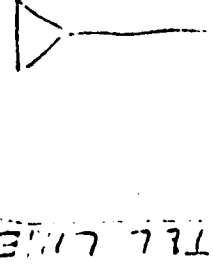
NOTE: DISPATCH CENTER WHILE TRANSMITTING

MOTOROLA TRANSMITTER 45.78 MHz

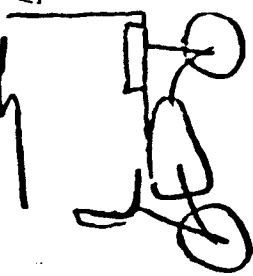


IFR TEL LINE

45.78 MHz



75.10 MHz

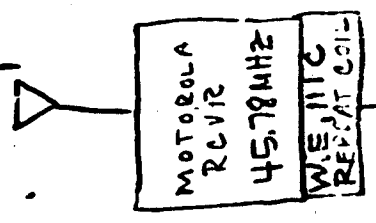


MOTORCYCLE RADIO
MOTOROLA MODEL T31 BAT-1130A
W/HAND-HELD MILITARY STYLE MIC, USING TRANSISTORIZED ELEMENT.

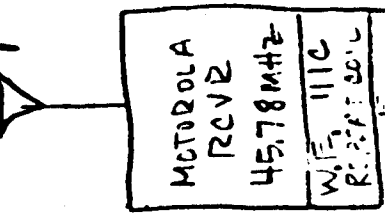
DISPATCH CENTER

45.78 MHz

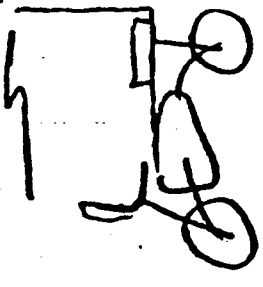
JEFFERSON TOWER BLDG SITE | SOUTHLAND CENTER SITE



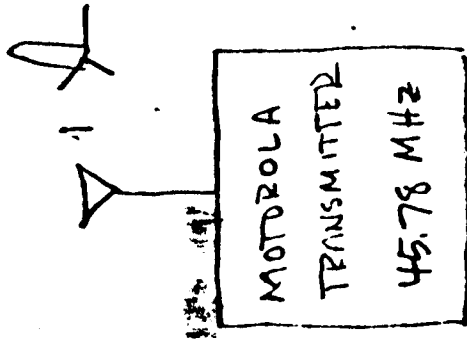
IFR TEL LINE



IFR TEL LINE



MOTOROLA MODEL T31 BAT-1130A
W/HAND-HELD MILITARY STYLE
MIC, USING TRANSISTORIZED
ELEMENT.



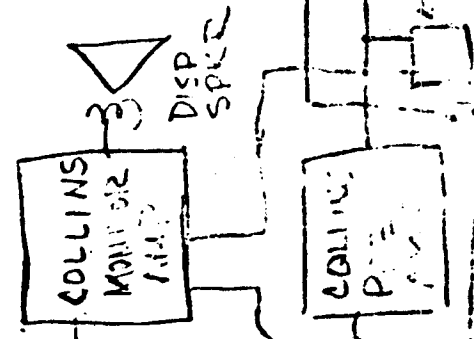
FAIR PARK MAIN

IFR TEL LINE

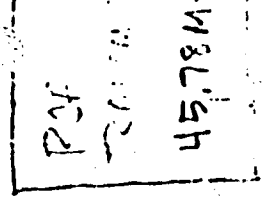
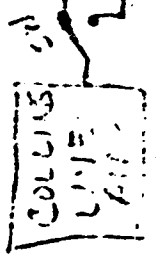
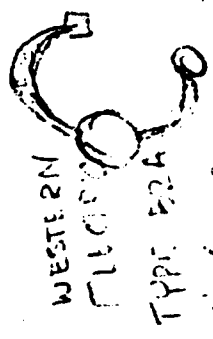
DISPATCH CTR 106 S. HARWOOD

DISPATCH CONSOLE

SEL. SW.



DISP. SPKR



WESTERN ELECTRIC TYPE 224A

10

[REDACTED]

11

[REDACTED] →

Model # of Mobil Unit -

Model #

Found an old Mobile Radio
of that vintage -

12

10:05A 9/17 Talked to [REDACTED]
Explained to him as to what
I needed re equipment questions
said he would check to see
if he could find the data
& call me back -

nc- [redacted] 9/19/85

Ch. 2 - parade traffic - Simple

the result to talking to 5 different people
some of the things they recall for
[redacted]

[redacted] - dispatcher
McDan

Motorola
radio Model T31 Bat - 1130A

Sample Radio Motorola

Transistorized Dispatcher Radiophone

Ser # G-26786

Transmitter type CC1500

Model T31 BAT-1130A

Motorola Inc, Chicago, Ill.

The same radio was in the
two-wheeler & the three wheeler
had to have some failure in the mike

AL



(2)

9/19

quality of phones line were better in 1963.

standard mobil mike

not noise cancelling mike -
now noise cancelling circuitry

mike would have been a Motorola
chart is for ch: 2

W.E. - western Electric

bell -
quit
over a
man
hide cover

WR type equipment -
broadcast quality audio



Mic audio switched by 1.5k to fall
tandem mic - Monola

C1 Jeffer Low + Stoneleigh Hotel.

Manhole cover - chime

WRK - broadcast

W3IIC high qual audio coupler

AGC on mic

Little use of compressor amp.

Inherent noise - source
sunspot - electrical devices
noise always in sig.

he is



CITY OF DALLAS
Communication Services
3920 Forest Avenue
Dallas Texas 75226

Telephone 

