

MFA M. Flom Associates, Inc.
Global Compliance Center

3356 North San Marcos Place, Suite 107
Chandler, Arizona 85224-1571
(602) 926-3100, FAX: 926-3598
www.goodnet.com/~mflom

PLEASE NOTE:

ZIP CODE CHANGED TO 85225-1571

NEW PHONE NO. 480 926 3100 NEW FAX: 480 926 3598
NEW ELECTRONIC ADDRESSES: www.mflom.com general@mflom.com

May 18, 1999.

Federal Communications Commission,
Office of Eng'g & Technology,
7435 Oakland Mills Road,
Columbia, Maryland 21046.

Attention: George Tannahill, Electronics Engineer
Applicant: JAPAN RADIO CO. LTD.
Equipment: FCC ID: CKEJMA3910 Form 731 EA92701

George: Thanks for your phone call and taking the time
to review this 'bottle neck' file.

As per your request, attached please find laser printed plots
for:

Short pulse
Short-Medium Pulse
Medium Pulse
Long-Medium Pulse
Long Pulse

AND Spurious Signal Plots 7.2 to 15.2 GHZ for short, short
medium, medium, long-medium pulses.

Hope the enclosed will satisfy the requirements of the Comm-
ission and we can expect the Grant A.S.A.P.

Personal regards, and THANKS

MORTON FLOM, P. Eng.

mf;mgf
encs.

VIA FEDEX: A/B 07501 67880

Comp # 6571

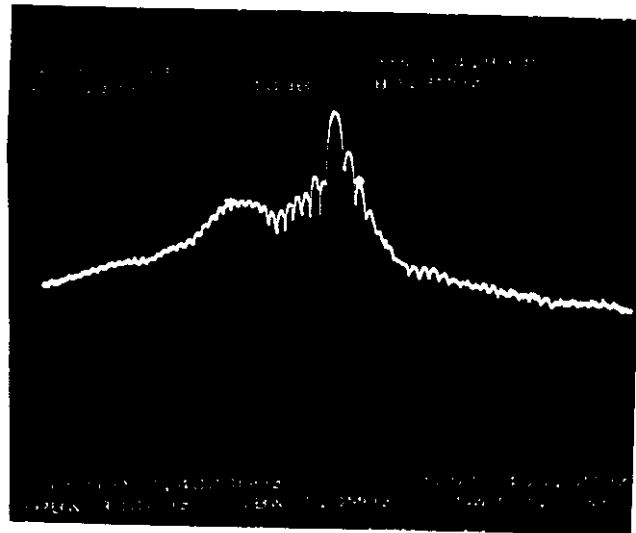
(Sec. 2.989)

2.0 Occupied Bandwidth

2.1 Short Pulse PRF 2083 Hz

Short Pulse Length 0.12 μ S

Scale
10dB/Div



RF Spectrum
Short Pulse

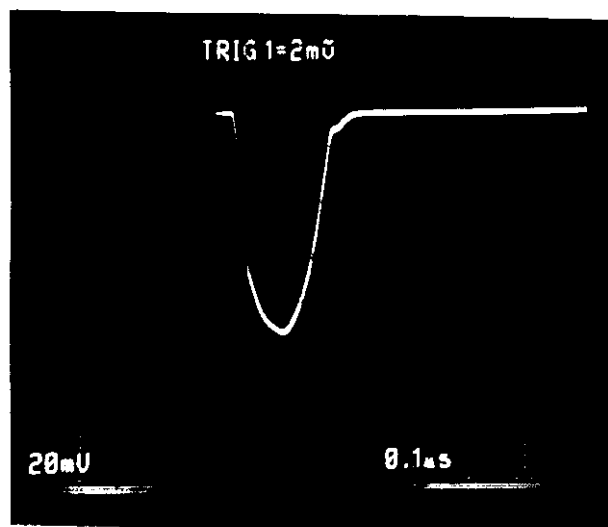
OBW=89.3 MHz

Scale 40 MHz/ Div

Center Frequency 9402 MHz

(Sec. 2.987)

Scale
20mV/Div



← 3dB

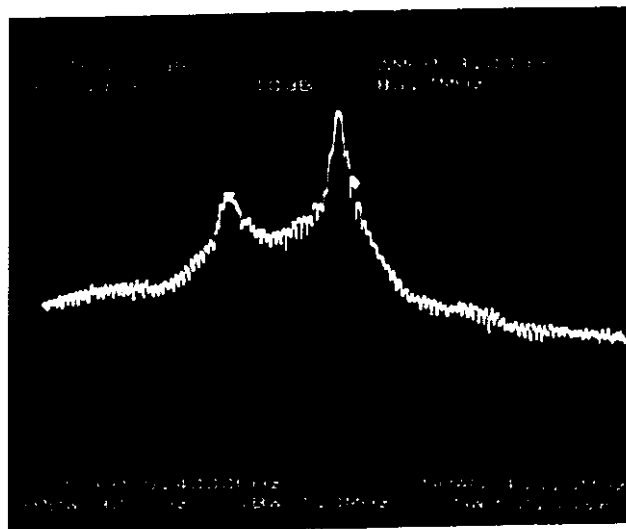
Detected RF
Pulse

Short Pulse

Scale 100nS/Div

(Sec. 2.989) 2.2 ShortMedium Pulse PRF 2083 Hz
 ShortMedium Pulse Length 0.22 μ S

Scale
 10dB/Div



RF Spectrum
 ShortMedium Pulse

OBW=36.7 MHz

Scale 40 MHz/ Div
 Center Frequency 9402 MHz

(Sec. 2.987)

Scale
 20mV/Div



← 3dB

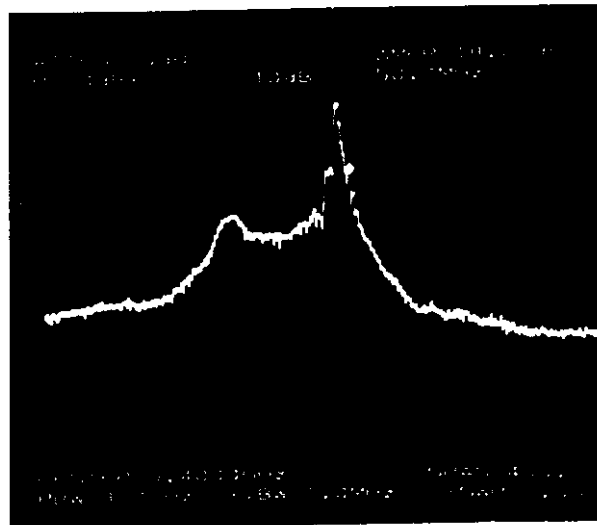
Detected RF
 Pulse

Short Medium Pulse

Scale 100nS/Div

(Sec. 2.989) 2.2 Medium Pulse PRF 1562 Hz
Medium Pulse Length 0.40 μ S

Scale
10dB/Div



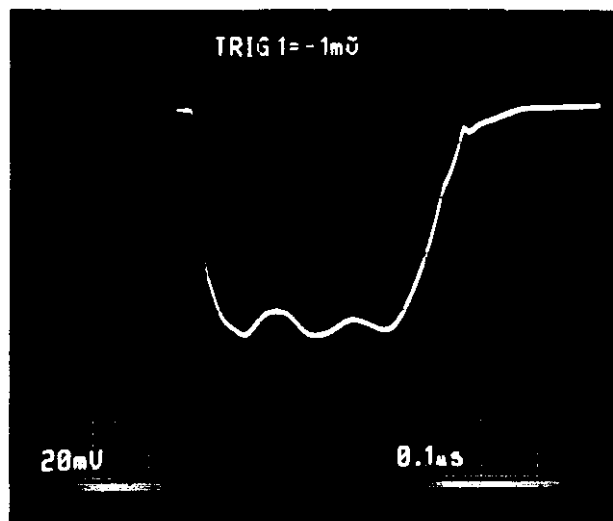
RF Spectrum
Medium Pulse

OBW=22.0 MHz

Scale 40 MHz/ Div
Center Frequency 9400 MHz

(Sec. 2.987)

Scale
20mV/Div



← 3dB

Detected RF
Pulse

Medium Pulse

Scale 100nS/Div

(Sec. 2.989)

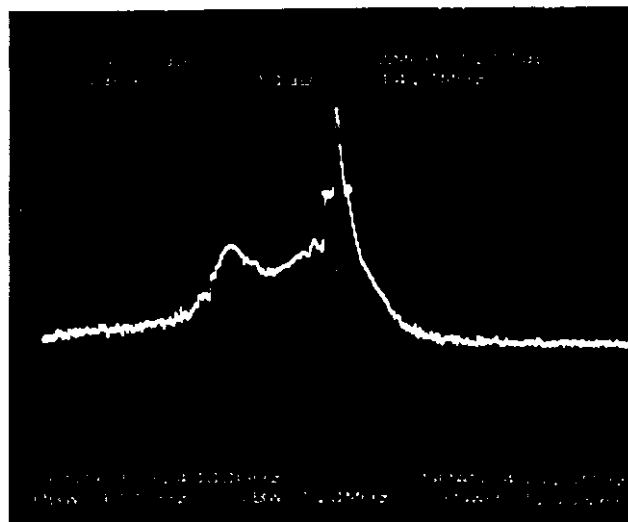
2.3 Long Medium Pulse PRF

781 Hz

Long Medium Pulse Length

0.82 μ S

Scale
10dB/Div



RF Spectrum
Long Medium Pulse

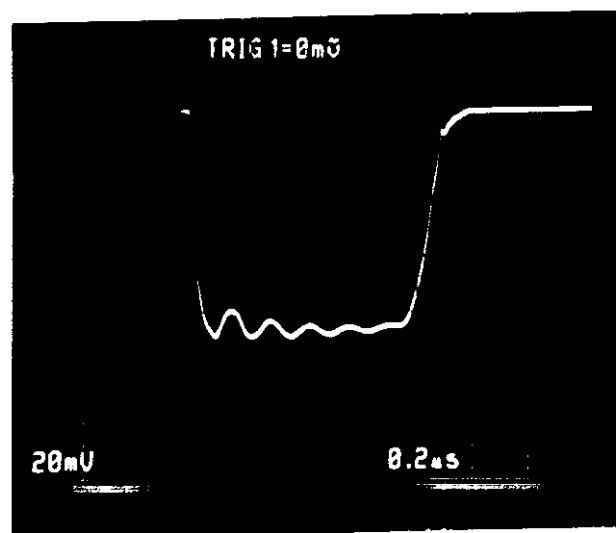
OBW=12.7 MHz

Scale 40 MHz/ Div

Center Frequency 9400 MHz

(Sec. 2.987)

Scale
20mV/Div



← 3dB

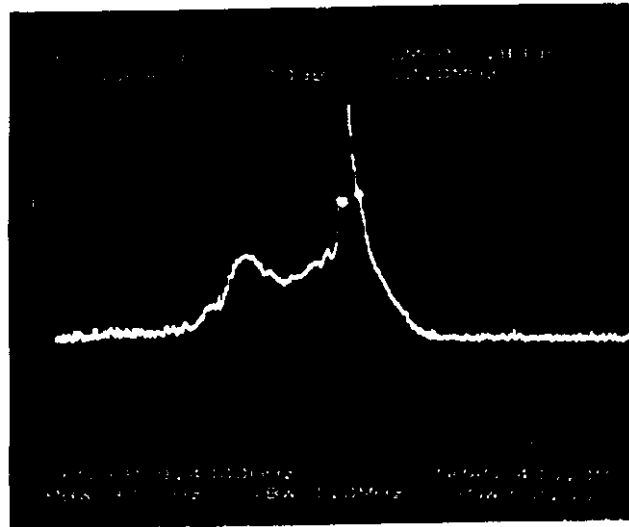
Detected RF
Pulse

Long Medium Pulse

Scale 200 nS/Div

(Sec. 2.989) 2.2 Long Pulse PRF 521 Hz
Long Pulse Length 1.16 μ S

Scale
10dB/Div



RF Spectrum
Long Pulse

OBW=8.0 MHz

Scale 40 MHz/ Div
Center Frequency 9400 MHz

(Sec. 2.987)

Scale
20mV/Div



← 3dB

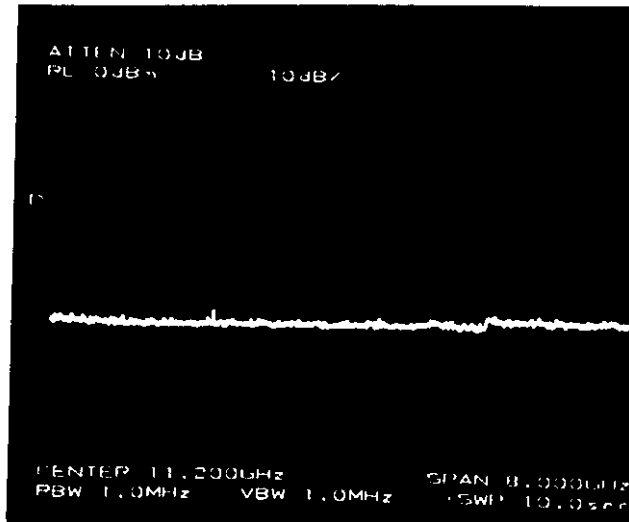
Detected RF
Pulse

Long Pulse

Scale 200nS/Div

(Sec. 2.991)

Scale
↑ 10dB/Div
→ 800 MHz
/Div

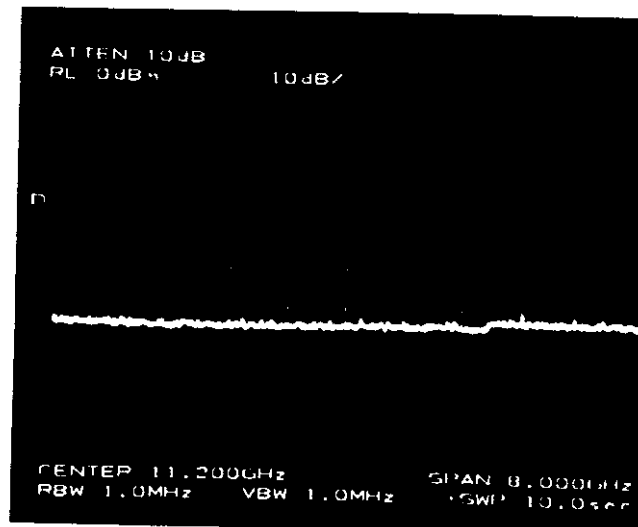


Spurious
Signals

OFF

7.2 to 15.2 GHz

Scale
↑ 10dB/Div
→ 800 MHz
/Div

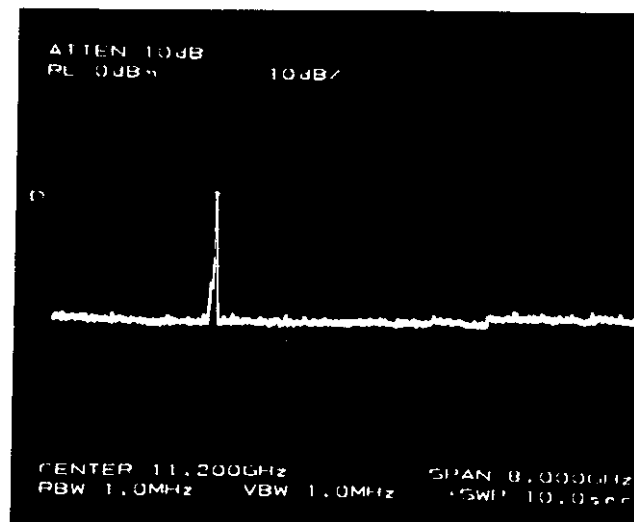


Spurious
Signals

Stand-By

7.2 to 15.2 GHz

Scale
↑ 10dB/Div
→ 800 MHz
/Div



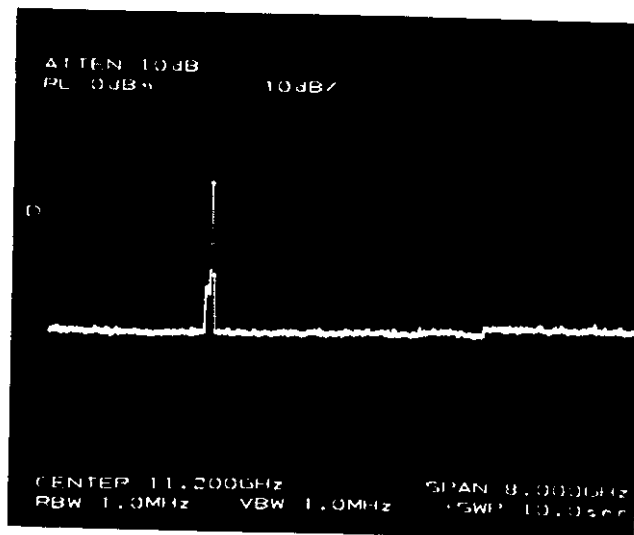
Spurious
Signals

Short Pulse

7.2 to 15.2 GHz

(Sec. 2.991)

Scale
↑ 10dB/Div
→ 800 MHz
/Div

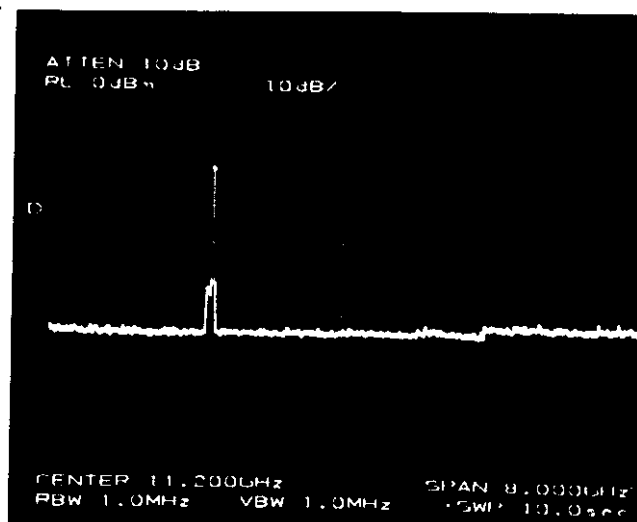


Spurious
Signals

Short Medium
Pulse

7.2 to 15.2 GHz

Scale
↑ 10dB/Div
→ 800 MHz
/Div

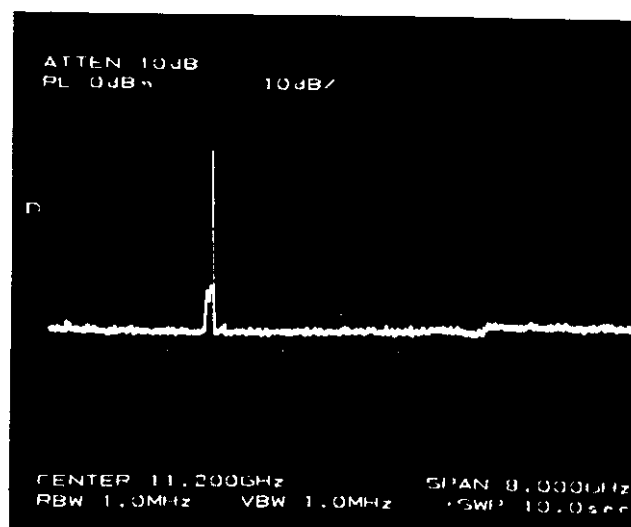


Spurious
Signals

Medium Pulse

7.2 to 15.2 GHz

Scale
↑ 10dB/Div
→ 800 MHz
/Div



Spurious
Signals

Long Medium Pulse

7.2 to 15.2 GHz