

**MFA M. Flom Associates, Inc.**  
**Global Compliance Center**

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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*  
MORTON FLOM, P. Eng.

mf;mgf  
encs.

VIA FEDEX: A/B 07501 67880

*Comp # 6571*

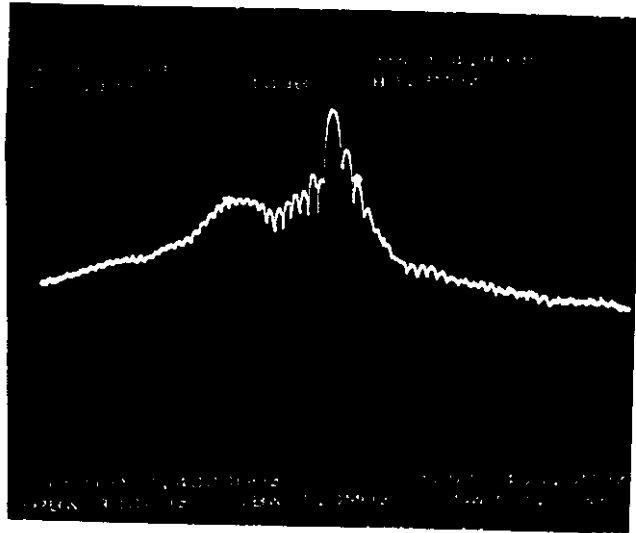
(Sec. 2.989)

2.0 Occupied Bandwidth

2.1 Short Pulse PRF 2083 Hz

Short Pulse Length 0.12  $\mu$ S

Scale  
10dB/Div



RF Spectrum  
Short Pulse

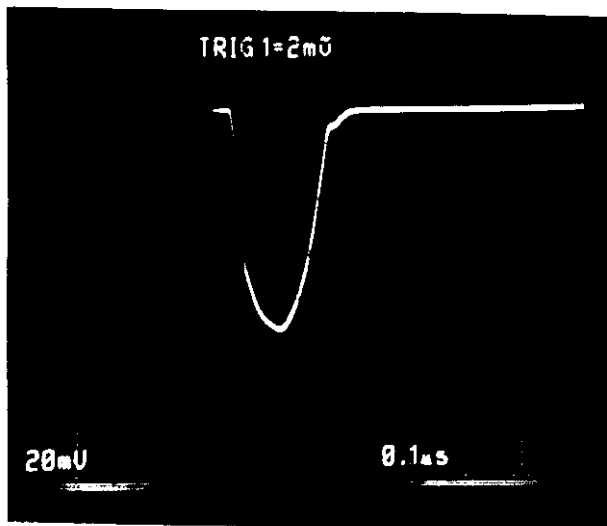
OBW=89.3 MHz

Scale 40 MHz/ Div

Center Frequency 9402 MHz

(Sec. 2.987)

Scale  
20mV/Div



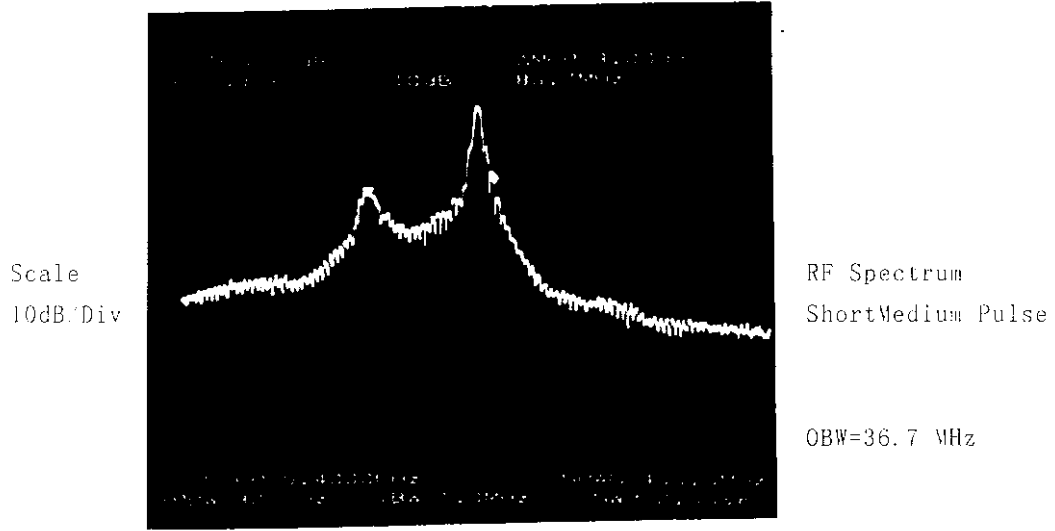
← 3dB

Detected RF  
Pulse

Short Pulse

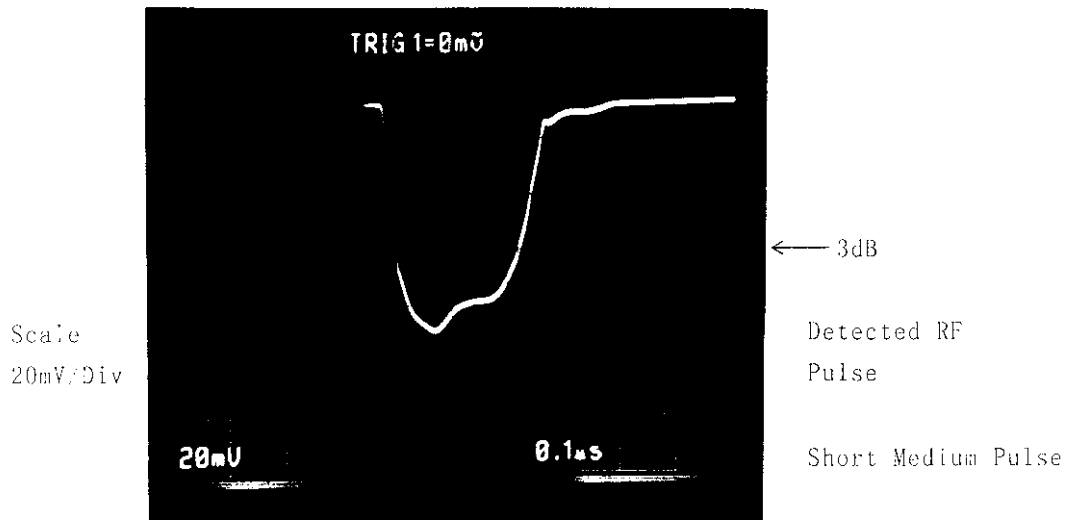
Scale 100nS/Div

(Sec. 2.989) 2.2 ShortMedium Pulse PRF 2083 Hz  
ShortMedium Pulse Length 0.22  $\mu$ S



Scale 40 MHz/ Div  
Center Frequency 9402 MHz

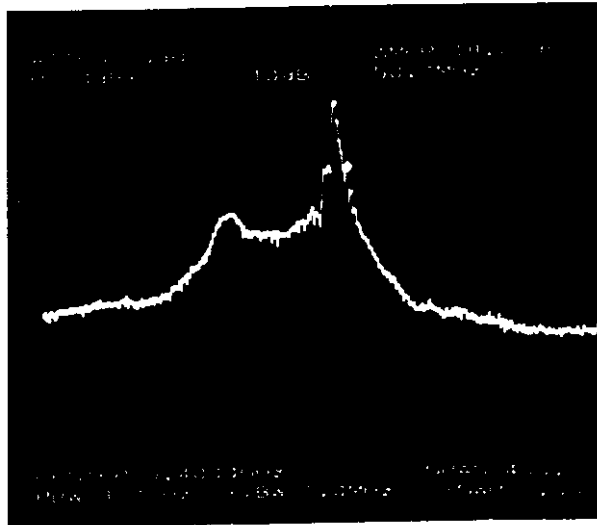
(Sec. 2.987)



Scale 100nS/Div

(Sec. 2.989) 2.2 Medium Pulse PRF 1562 Hz  
Medium Pulse Length 0.40  $\mu$ S

Scale  
10dB/Div



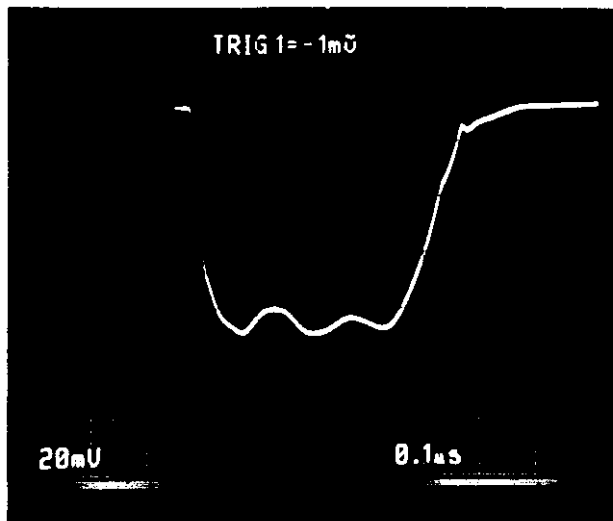
RF Spectrum  
Medium Pulse

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)

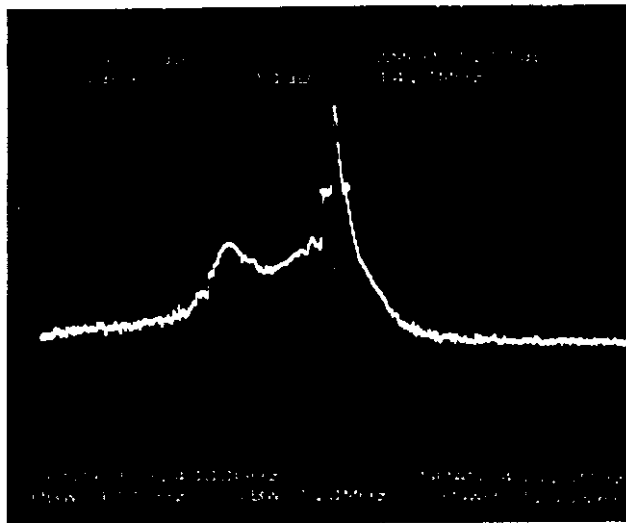
2.3 Long Medium Pulse PRF

781 Hz

Long Medium Pulse Length

0.82  $\mu$ S

Scale  
10dB/Div



RF Spectrum  
Long Medium Pulse

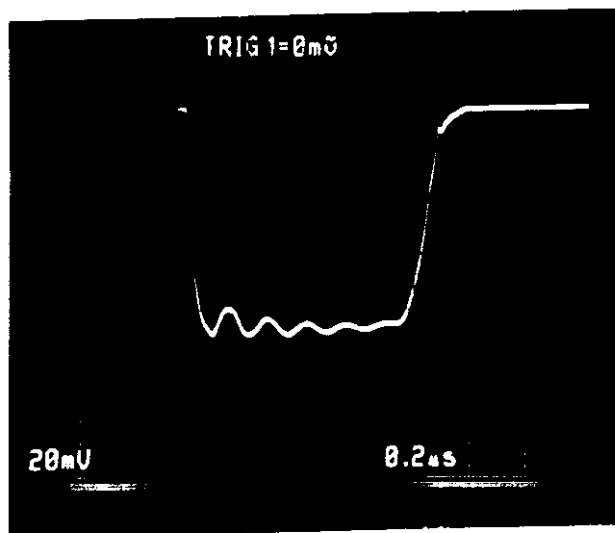
OBW=12.7 MHz

Scale 40 MHz/ Div

Center Frequency 9400 MHz

(Sec. 2.987)

Scale  
20mV/Div



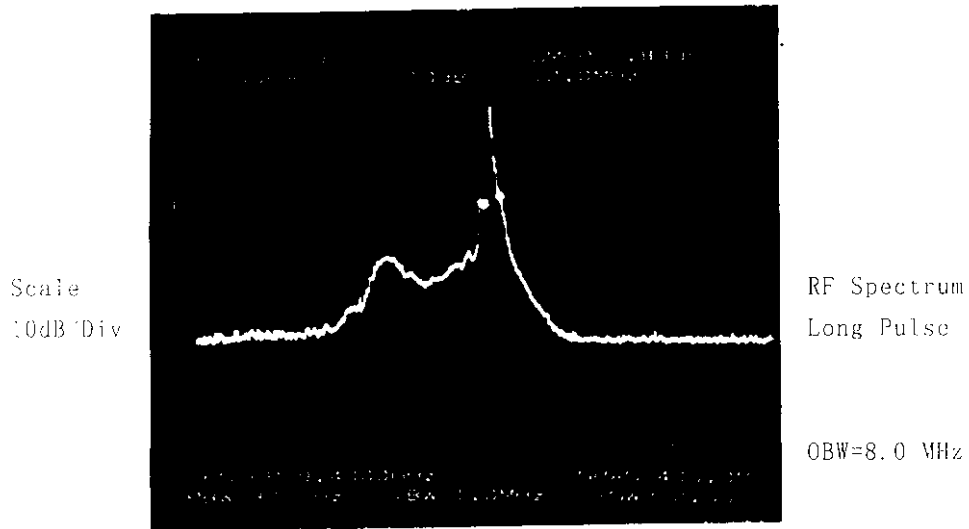
← 3dB

Detected RF  
Pulse

Long Medium Pulse

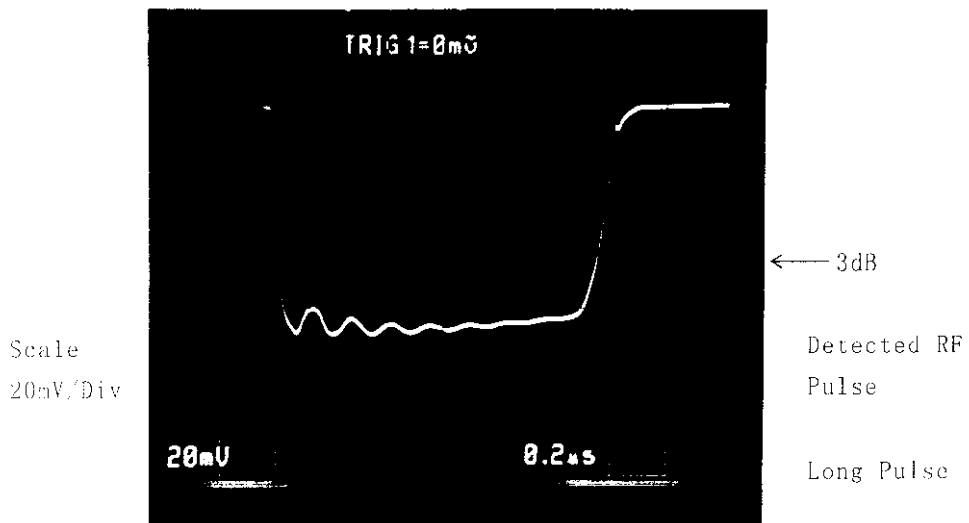
Scale 200 nS/Div

(Sec. 2.989) 2.2 Long Pulse PRF 521 Hz  
Long Pulse Length 1.16  $\mu$ S



Scale 40 MHz/ Div  
Center Frequency 9400 MHz

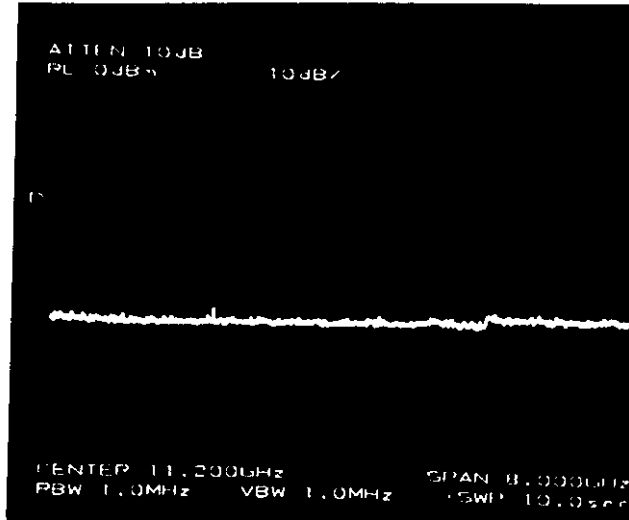
(Sec. 2.987)



Scale 200nS/Div

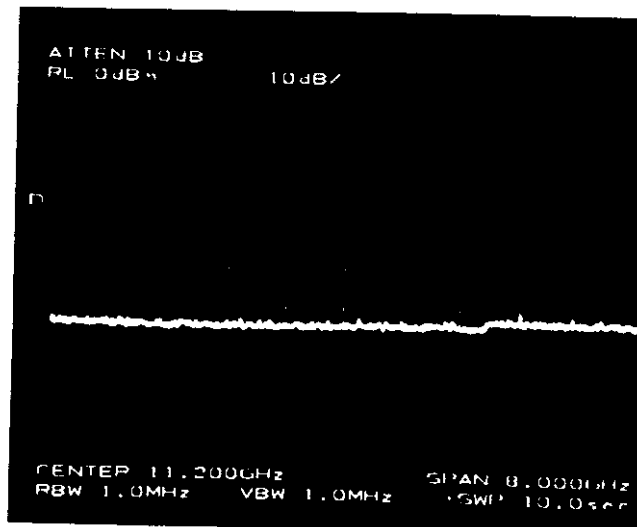
(Sec. 2.991)

Scale  
↑ 10dB/Div  
→ 800 MHz  
/Div



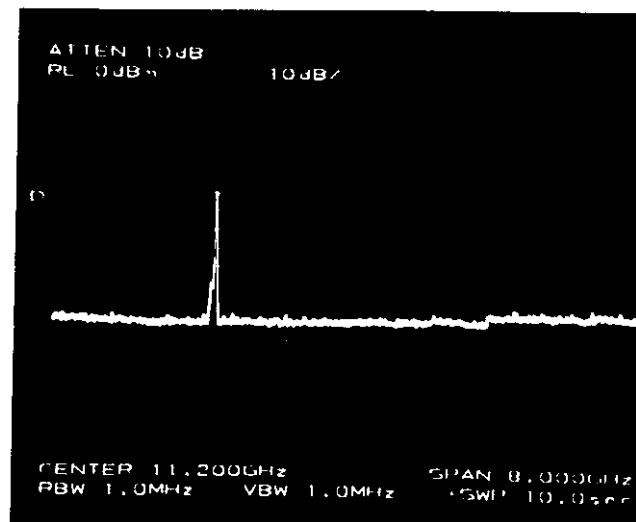
Spurious  
Signals  
  
OFF  
  
7.2 to 15.2 GHz

Scale  
↑ 10dB/Div  
→ 800 MHz  
/Div



Spurious  
Signals  
  
Stand-By  
  
7.2 to 15.2 GHz

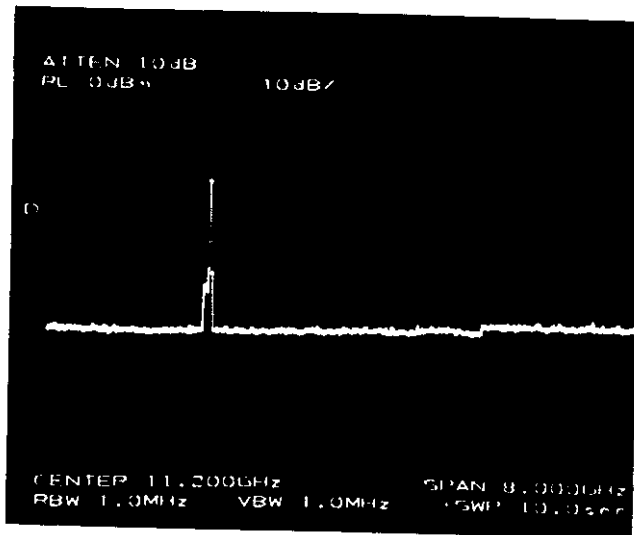
Scale  
↑ 10dB/Div  
→ 800 MHz  
/Div



Spurious  
Signals  
  
Short Pulse  
  
7.2 to 15.2 GHz

(Sec. 2.991)

Scale  
↑ 10dB/Div  
→ 800 MHz  
/Div

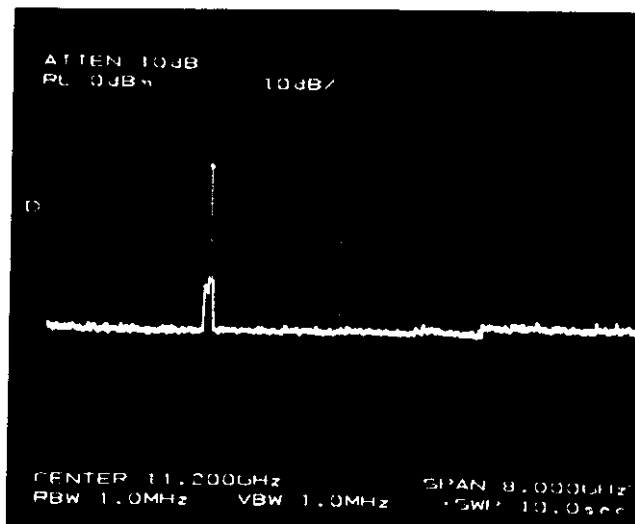


Spurious  
Signals

Short Medium  
Pulse

7.2 to 15.2 GHz

Scale  
↑ 10dB/Div  
→ 800 MHz  
/Div

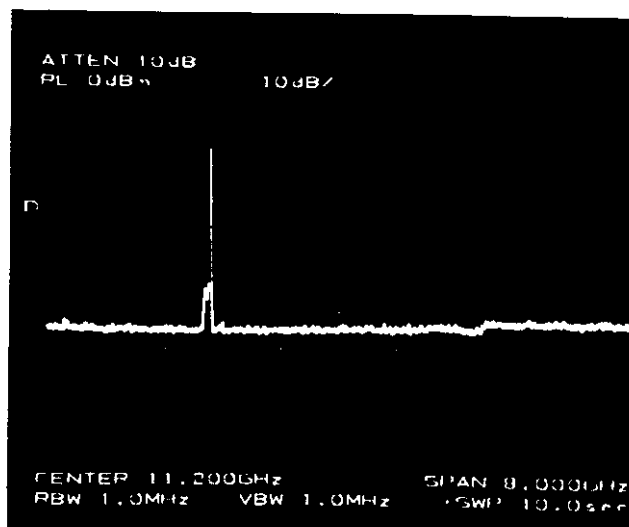


Spurious  
Signals

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