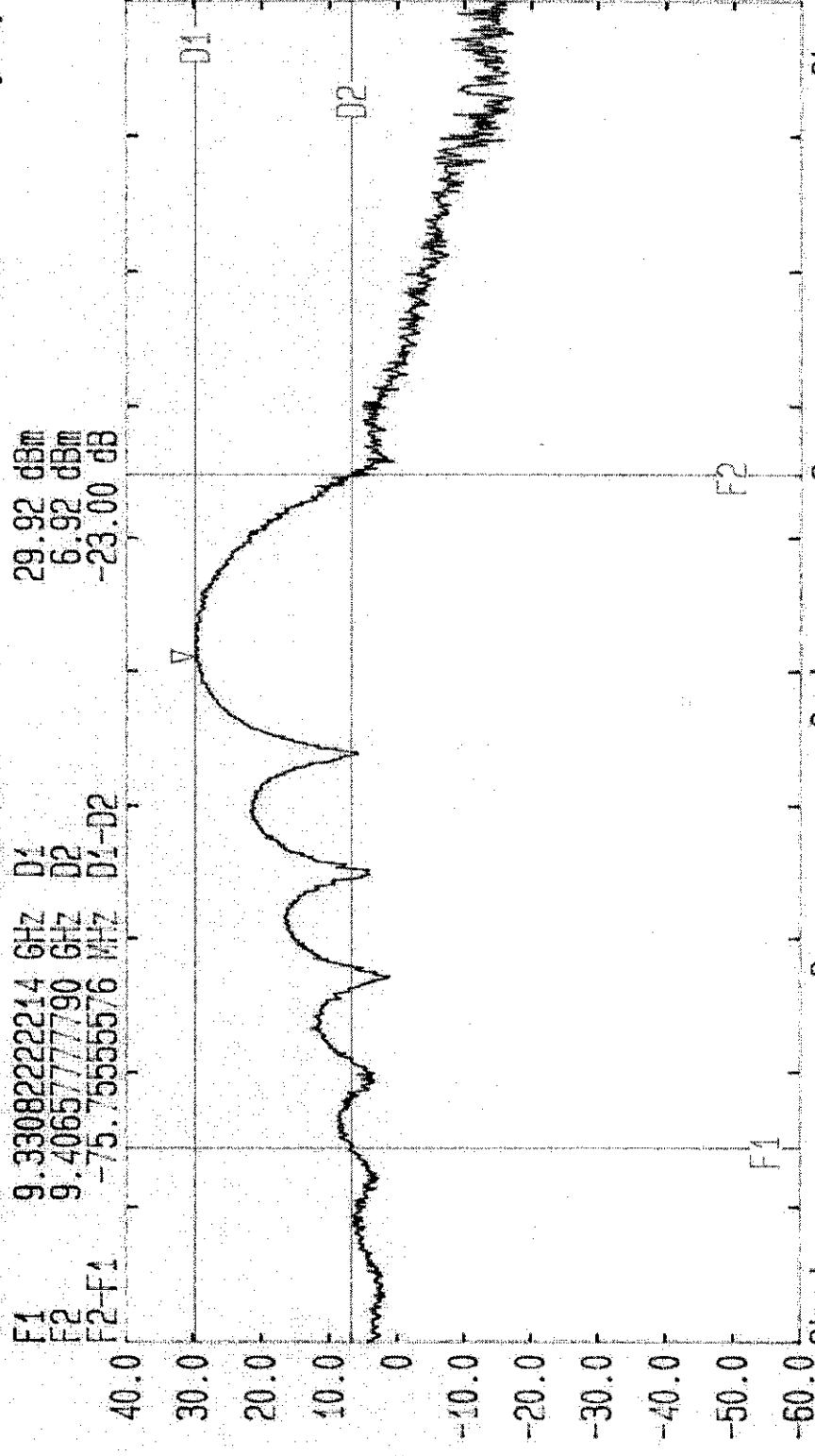


RADIO FREQUENCY INVESTIGATION LTD.**Microwave Type Approval Department****Test Of: Raytheon Marine Pathfinder R75RC**
To: FCC Part 80 and FCC Part 2**TEST REPORT****S.No. RFI/MICB2/RP38756JD01****Page 37 of 37****Issue Date: 25 May 1999**

Graph Reference Number	Title Conducted Spurious Emissions
GPH/38756/JD01/033	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/034	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/035	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/036	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/037	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/038	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/039	Spurious Emissions 9.61 GHz to 9.91 GHz
GPH/38756/JD01/040	Spurious Emissions 9.61 GHz to 9.91 GHz
Graph Reference Number	Title Measured Pulse
GPH/38756/JD01/001A	60ns Pulse Width
GPH/38756/JD01/002A	90ns Pulse Width
GPH/38756/JD01/003A	150ns Pulse Width
GPH/38756/JD01/004A	250ns Pulse Width
GPH/38756/JD01/005A	350ns Pulse Width
GPH/38756/JD01/006A	450ns Pulse Width
GPH/38756/JD01/007A	600ns Pulse Width
GPH/38756/JD01/008A	1000ns Pulse Width
Graph Reference Number	Title Occupied Bandwidth
GPH/38756/JD01/052	60ns Pulse Width
GPH/38756/JD01/051	90ns Pulse Width
GPH/38756/JD01/050	150ns Pulse Width
GPH/38756/JD01/049	250ns Pulse Width
GPH/38756/JD01/048	350ns Pulse Width
GPH/38756/JD01/047	450ns Pulse Width
GPH/38756/JD01/046	600ns Pulse Width
GPH/38756/JD01/045	1000ns Pulse Width

These pages are not included in the total number of pages for this report.

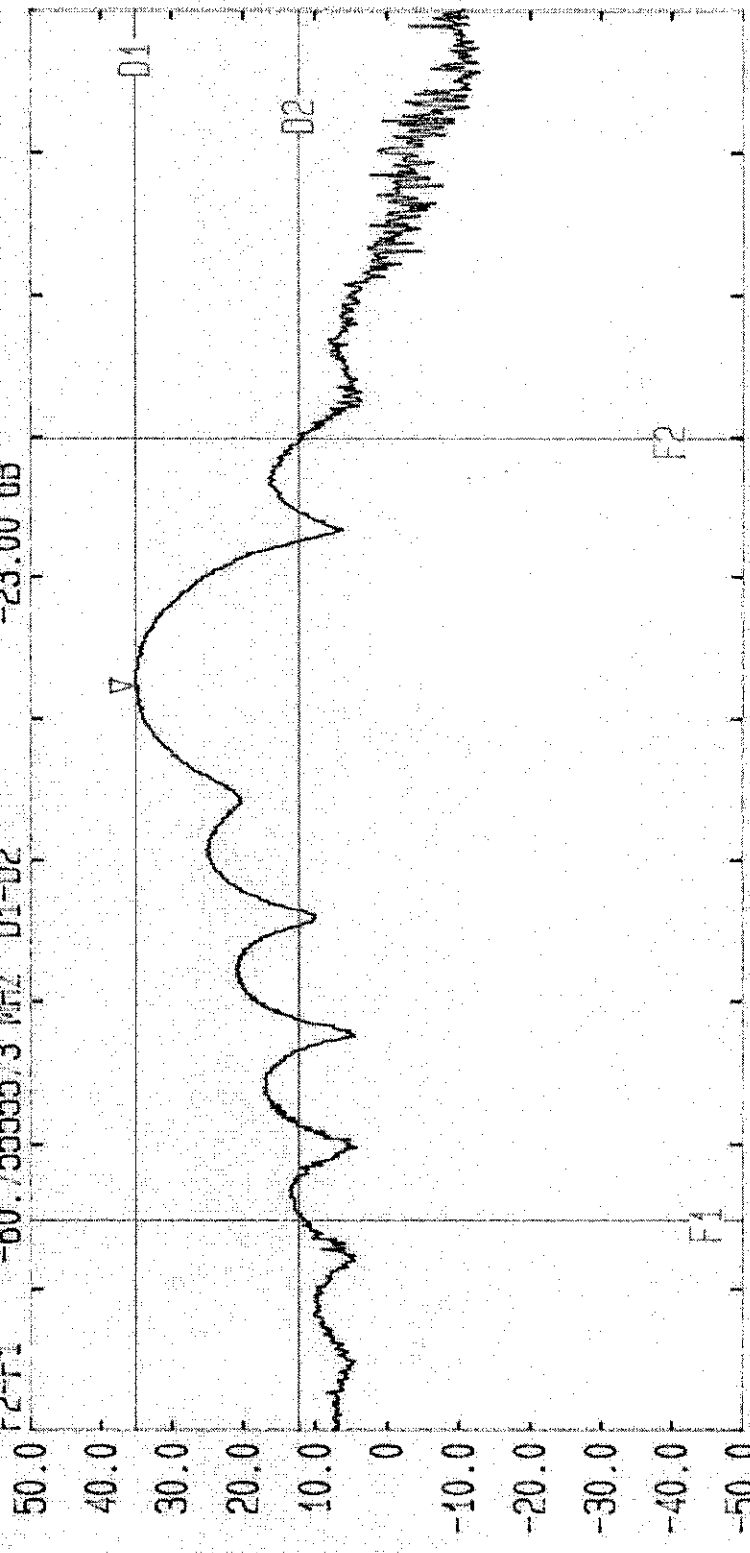
LVLOFF
 Date 06 Apr '99 Time 16:47:06
 Ref.Lvl 40.00 dBm
 Marker 29.92 dBm
 9.3861 GHz
 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 15.000 MHz RF.Att 15 dB
 Unit



Start 9.3092 GHz Span 150 MHz Center 9.3842 GHz Sweep 20 ms Stop 9.4592 GHz
 Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049 (i) 80.205 (a)
 EUT: R75RC Supply 13.8Vdc Temp: 20.2°C Alt: 51% Pulse Width: 60ns GPH/38756/JD01/052

LVLOFF
 Date 06 Apr '99 Time 16:44:15
 Ref.Lvl 50.00 dBm
 Marker 35.48 dBm
 9.3894 GHz
 F1 9.3479888882 GHz D1
 F2 9.4087444455 GHz D2
 F2-F1 -60.7555573 MHz D1-D2

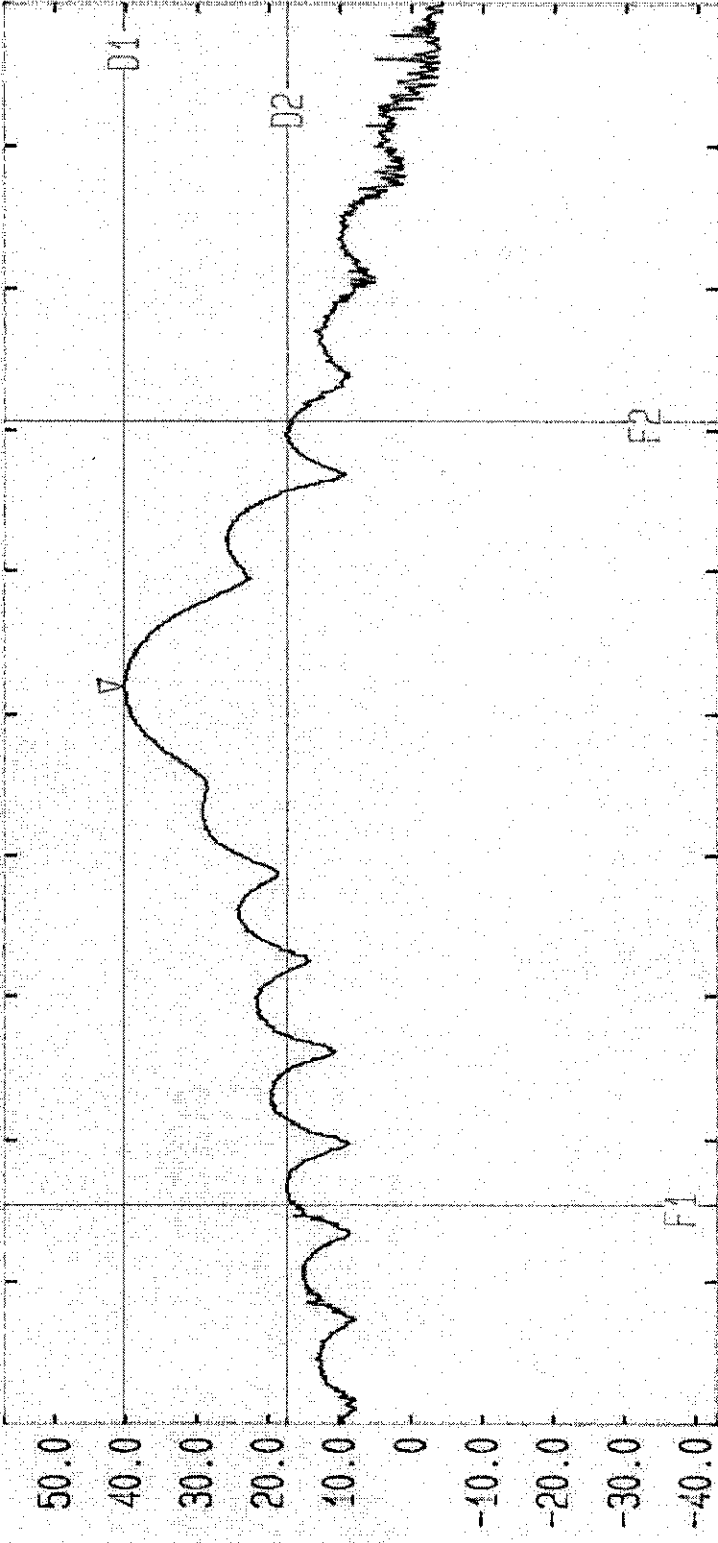
Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 11.000 MHz RF.Att 15 dB
 Unit [dBm]



Start 9.3317 GHz Span 110 MHz Center 9.3867 GHz Sweep 20 ms Stop 9.4417 GHz
 Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049 (i) 80.205 (a)
 EUT: A75HC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 90ns GPH/38756/JD01/051

LVLOFF '99 Time 16:38:59
 Date 06 Apr
 Ref.Lvl 57.00 dBm
 Marker 40.35 dBm
 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 9.000 MHz RF Att 15 dB
 Unit

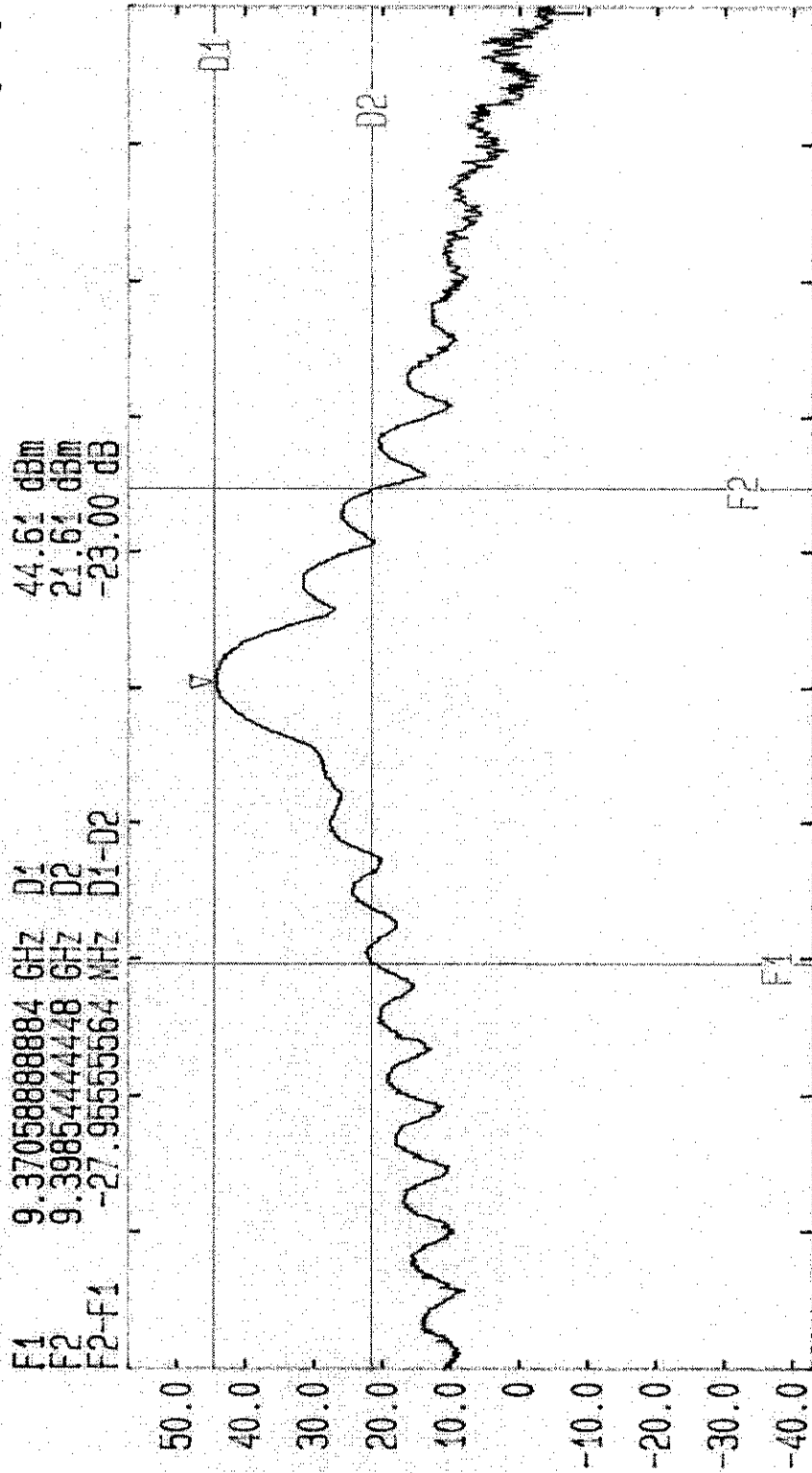
F1 9.3556888884 GHz D1 40.35 dBm
 F2 9.4054444448 GHz D2 17.35 dBm
 F2-F1 -49.75555564 MHz D1-D2 -23.00 dB



Start 9.34178 GHz Span 90 MHz Center 9.38678 GHz Sweep 20 ms Stop 9.43178 GHz
 Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049 (i) 80.205 (a)
 EUT: A75RC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 150ns GPH/38756/JD01/050

LVLOFF
 Date 06 Apr '99 Time 16:32:38
 Ref.Lvl 57.00 dBm
 Marker 44.61 dBm
 9.38732 GHz
 F1 9.3705888884 GHz D1
 F2 9.3985444448 GHz D2
 F2-F1 -27.95555564 MHz D1-D2

Res.Bw 1.0 MHz [3dB]
 CF.Stp 8.000 MHz
 Unit 15 dB

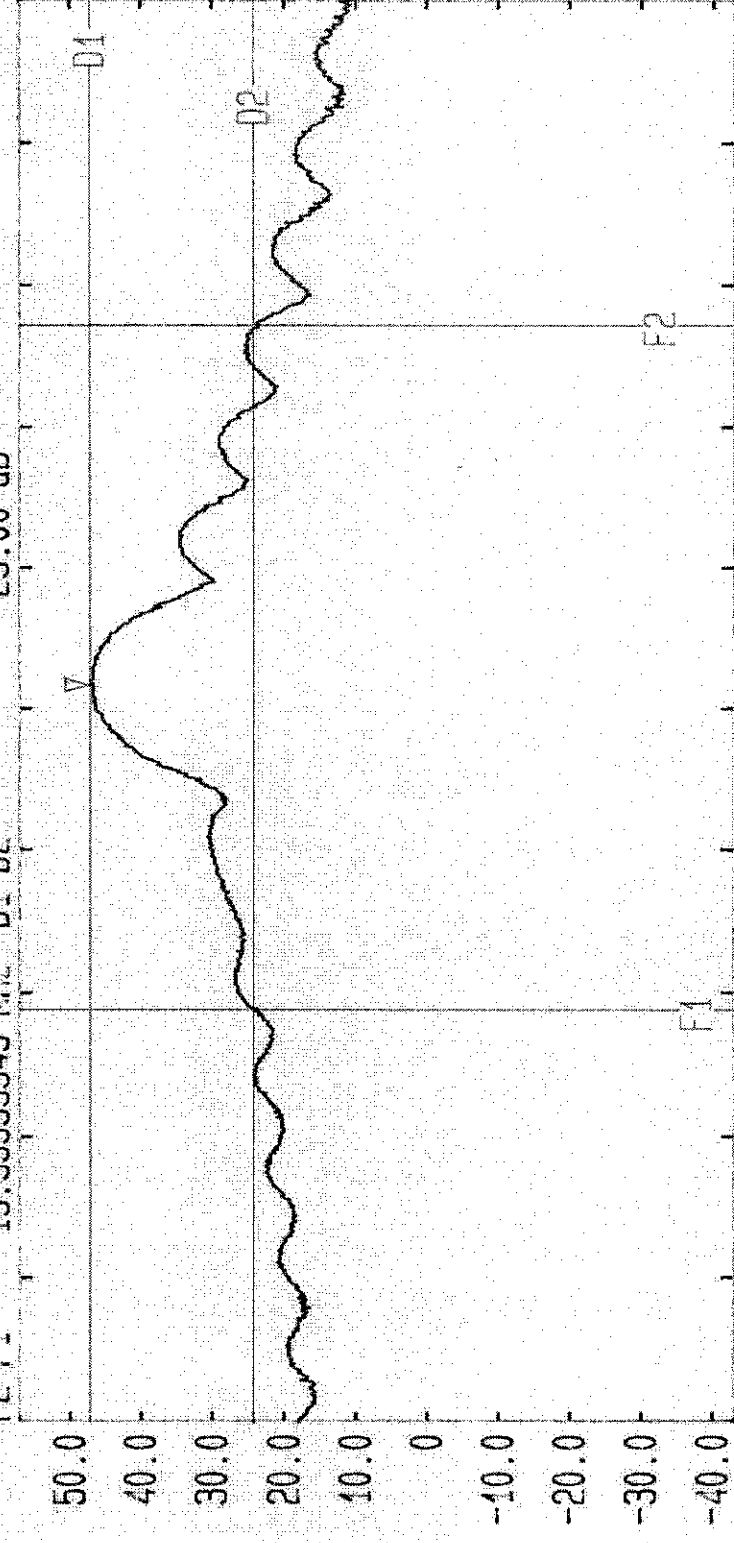


Start 9.34678 GHz
 Span 80 MHz
 Center 9.38678 GHz
 Sweep 20 ms
 Stop 9.42678 GHz

Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049 (i) 80.205 (a)
 EUT: R75AC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 250ns GPH/38756/JD01/049

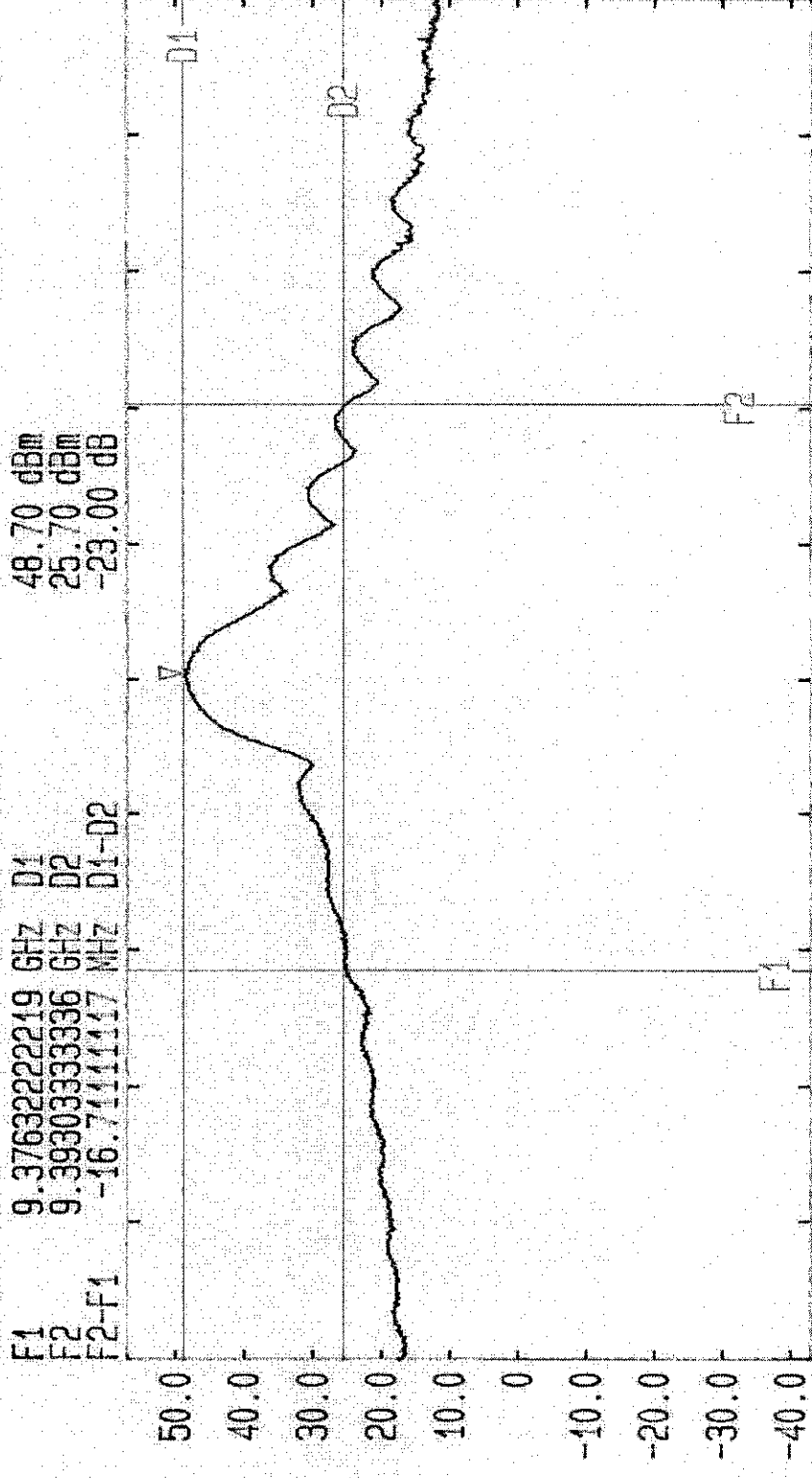
LVLOFF
 Date 06 Apr '99 Time 16:29:08
 Ref.Lvl 57.00 dBm
 Marker 47.13 dBm
 9.38563 GHz
 F1 9.37645555550 GHz D1
 F2 9.39578888893 GHz D2
 F2-F1 -19.33333343 MHz D1-D2

Res.Bw 1.0 MHz [3dB]
 CF.Stp 4.000 MHz
 Unit
 Vid.Bw 1 MHz
 RF.Att 15 dB
 47.13 dBm
 24.13 dBm
 -23.00 dB



Start 9.36487 GHz
 Span 40 MHz
 Center 9.38487 GHz
 Sweep 20 ms
 Stop 9.40487 GHz
 Occupied Bandwidth measured for Raytheon Marine by RFI FCC CER47 2.1049 (i) 80.205 (a)
 EUT: R75RC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 350ns GPH/38756/JD01/048

LVLOFF
 Date 06 Apr '99 Time 16:26:24
 Ref.Lvl 57.00 dBm
 Marker 48.70 dBm
 Res.Bw 1.0 MHz [3dB]
 CF.Stp 4.000 MHz
 Vid.Bw 1 MHz
 15 dB [dBm]

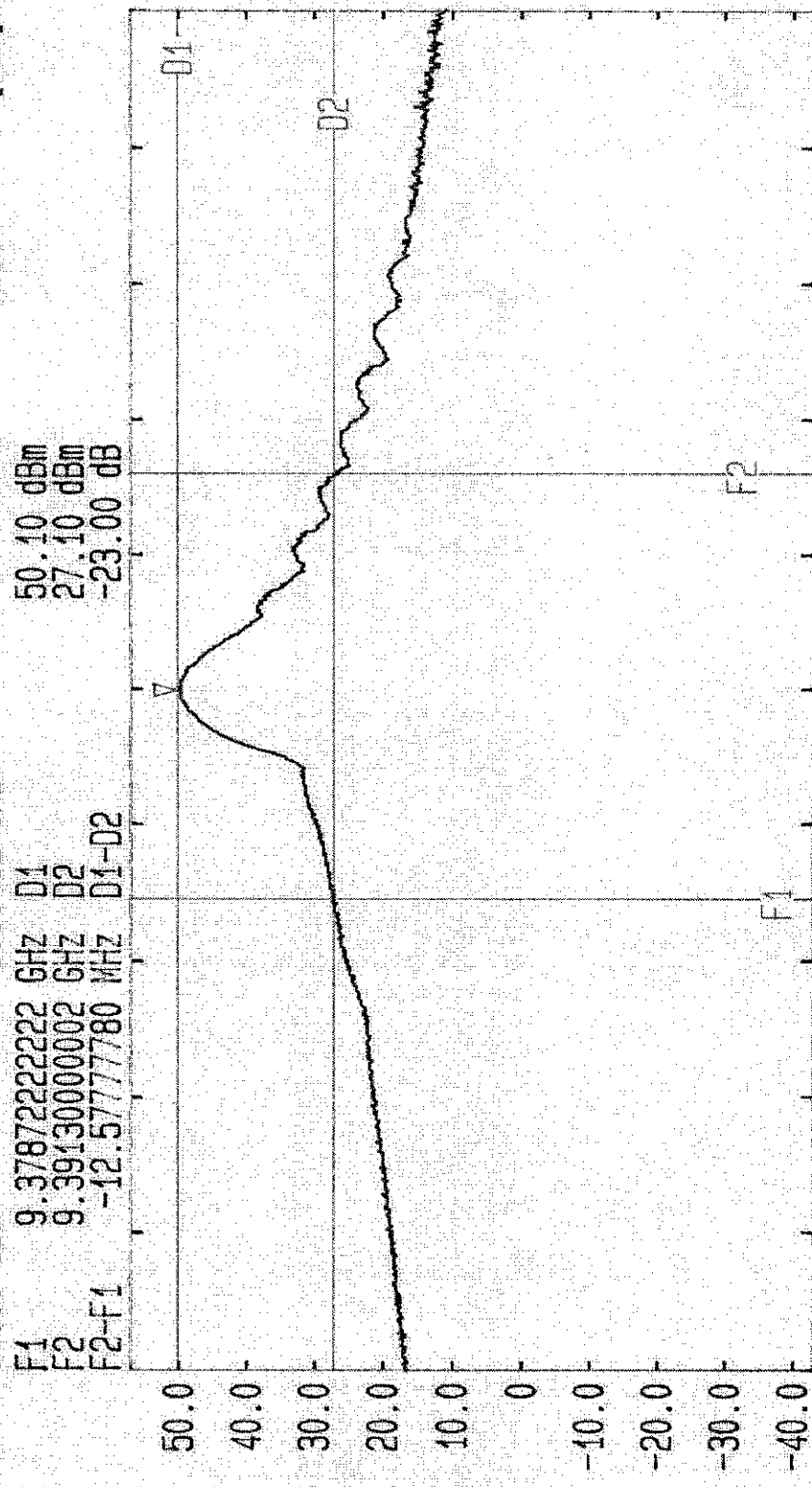


Start 9.36487 GHz
 Span 40 MHz
 Center 9.38487 GHz
 Sweep 20 ms
 Stop 9.40487 GHz

Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049(i) 80.205(a)
 EUT: R75AC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 450ns GPH/38756/JD01/047

LVLOFF
 Date 06 Apr '99 Time 16:23:37
 Ref.Lvl 57.00 dBm
 Marker 50.10 dBm
 9.38492 GHz
 F1 9.378722222 GHz D1
 F2 9.39130000002 GHz D2
 F2-F1 -12.5777780 MHz D1-D2

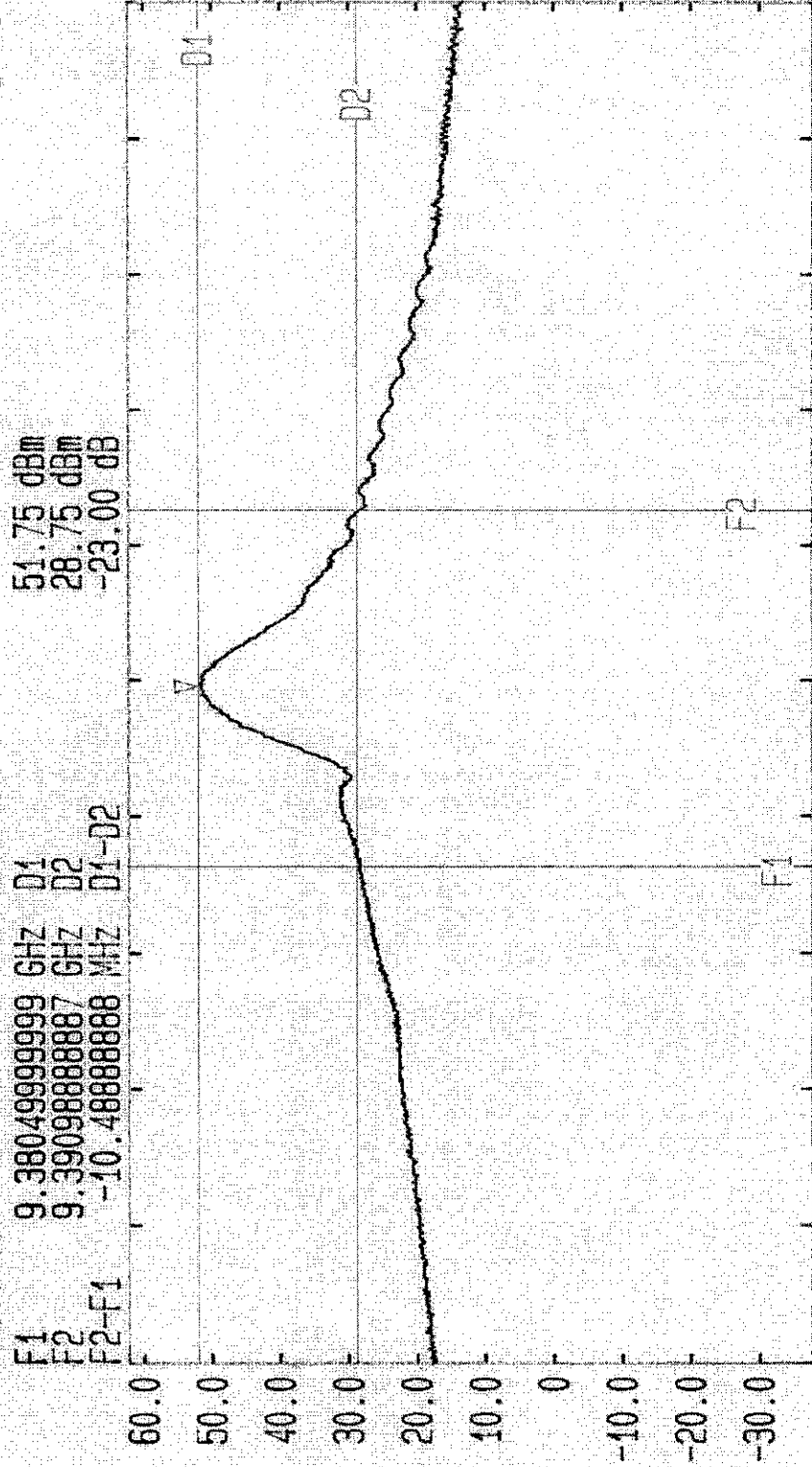
Res.Bw 1.0 MHz [3dB]
 CF.Stp 4.000 MHz
 Vid.Bw 1 MHz
 AF.Att 15 dB
 Unit [dBm]



Start 9.36487 GHz
 Span 40 MHz
 Center 9.38487 GHz
 Sweep 20 ms
 Stop 9.40487 GHz

Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049(i) 80.205(a)
 EUT: A75RC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 600ns GPH/38756/JD01/046

LVLOFF
 Date 06 Apr '99 Time 16:12:57
 Ref.Lvl 62.00 dBm
 Marker 51.75 dBm
 Res.Bw 1.0 MHz [3dB]
 CF.Stp 4.000 MHz
 Vid.Bw 1 MHz
 RF.Att 20 dB
 Unit [dBm]



Start 9.36594 GHz Span 40 MHz Center 9.38594 GHz Sweep 20 ms Stop 9.40594 GHz
 Occupied Bandwidth measured for Raytheon Marine by RFI FCC CFR47 2.1049 (i) 80.205 (a)
 EUT: R75RC Supply 13.8Vdc Temp: 20.2°C RH: 51% Pulse Width: 1us GPH/38756/JD01/045