

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998

Appendix D Graphical Test Results

Graph No.	Software	Description
RE/555/1001/01	Schaffner CES9985	Radiated Emissions 450ns PW 9 kHz to 150 kHz
RE/555/1001/02	Schaffner CES9985	Radiated Emissions 450ns PW 150 kHz to 30 MHz
RE/555/1001/03	Schaffner CES9985	Radiated Emissions 450ns PW 30 MHz to 300 MHz
RE/555/1001/04	Schaffner CES9985	Radiated Emissions 450ns PW 300 MHz to 1 GHz
RE/555/1001/05	Schaffner CES9985	Radiated Emissions 450ns PW 1 GHz to 2 GHz
RE/555/1001/06	P&HT Plottergeist	Radiated Emissions 450ns PW 2 GHz to 6.5 GHz
RE/555/1001/07	P&HT Plottergeist	Radiated Emissions 450ns PW 6.5 GHz to 8.92 GHz
RE/555/1001/08	P&HT Plottergeist	Radiated Emissions 75ns PW 8.9 GHz to 9.92 GHz
RE/555/1001/09	P&HT Plottergeist	Radiated Emissions 450ns PW 8.9 GHz to 9.92 GHz
RE/555/1001/10	P&HT Plottergeist	Radiated Emissions 1000ns PW 8.9 GHz to 9.92 GHz
RE/555/1001/11	P&HT Plottergeist	Radiated Emissions 450ns PW 9.9 GHz to 14 GHz
RE/555/1001/12	P&HT Plottergeist	Radiated Emissions 450ns PW 14 GHz to 18 GHz
RE/555/1001/13	P&HT Plottergeist	Radiated Emissions 450ns PW 18 GHz to 22 GHz
RE/555/1001/14	P&HT Plottergeist	Radiated Emissions 450ns PW 22 GHz to 26.5GHz
RE/555/1001/15	P&HT Plottergeist	Radiated Emissions 450ns PW 26.5 GHz to 31 GHz
RE/555/1001/16	P&HT Plottergeist	Radiated Emissions 450ns PW 31 GHz to 35.5 GHz
RE/555/1001/17	P&HT Plottergeist	Radiated Emissions 450ns PW 35.5 GHz to 40 GHz
CE/555/1001/01	P&HT Plottergeist	Conducted Emissions 450ns PW 6 GHz to 8.91 GHz
CE/555/1001/02	P&HT Plottergeist	Conducted Emissions 75ns PW 8.91 GHz to 9.35 GHz
CE/555/1001/03	P&HT Plottergeist	Conducted Emissions 450ns PW 8.91 GHz to 9.35 GHz
CE/555/1001/04	P&HT Plottergeist	Conducted Emissions 1000ns PW 8.91 GHz to 9.35 GHz
CE/555/1001/05	P&HT Plottergeist	Conducted Emissions 75ns PW 9.45 GHz to 9.93 GHz
CE/555/1001/06	P&HT Plottergeist	Conducted Emissions 450ns PW 9.45 GHz to 9.93 GHz
CE/555/1001/07	P&HT Plottergeist	Conducted Emissions 1000ns PW 9.45 GHz to 9.93 GHz
CE/555/1001/08	P&HT Plottergeist	Conducted Emissions 450ns PW 9.91 GHz to 26.5 GHz
CE/555/1001/09	P&HT Plottergeist	Conducted Emissions 450ns PW 26.5 GHz to 40 GHz
PW/555/1001/01	HP8991A Plot	Peak Power & Pulsewidth 75ns
PW/555/1001/02	HP8991A Plot	Peak Power & Pulsewidth 100ns
PW/555/1001/03	HP8991A Plot	Peak Power & Pulsewidth 150ns
PW/555/1001/04	HP8991A Plot	Peak Power & Pulsewidth 250ns
PW/555/1001/05	HP8991A Plot	Peak Power & Pulsewidth 350ns
PW/555/1001/06	HP8991A Plot	Peak Power & Pulsewidth 450ns
PW/555/1001/07	HP8991A Plot	Peak Power & Pulsewidth 600ns
PW/555/1001/08	HP8991A Plot	Peak Power & Pulsewidth 1000ns
PRF/555/1001/01	HP8991A Plot	Jitter Band – 740 Hz PRF
PRF/555/1001/02	HP8991A Plot	Averaged PRF – 740 Hz
PRF/555/1001/03	HP8991A Plot	Jitter Band – 1300 Hz PRF
PRF/555/1001/04	HP8991A Plot	Averaged PRF – 1300 Hz
PRF/555/1001/05	HP8991A Plot	Jitter Band – 1500 Hz PRF
PRF/555/1001/06	HP8991A Plot	Averaged PRF – 1500 Hz
PRF/555/1001/07	HP8991A Plot	Jitter Band – 2000 Hz PRF
PRF/555/1001/08	HP8991A Plot	Averaged PRF – 2000 Hz
PRF/555/1001/09	HP8991A Plot	Jitter Band – 3000 Hz PRF
PRF/555/1001/10	HP8991A Plot	Averaged PRF – 3000 Hz
OBW/555/1001/01	P&HT Plottergeist	Occupied Bandwidth Upper Edge – 75ns Pulsewidth
OBW/555/1001/02	P&HT Plottergeist	Occupied Bandwidth Lower Edge – 75ns Pulsewidth
OBW/555/1001/03	P&HT Plottergeist	Occupied Bandwidth Upper Edge – 100ns Pulsewidth
OBW/555/1001/04	P&HT Plottergeist	Occupied Bandwidth Lower Edge – 100ns Pulsewidth
OBW/555/1001/05	P&HT Plottergeist	Occupied Bandwidth Upper Edge – 150ns Pulsewidth

RAYMARINE LTD.

EMC Department

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TEST REPORT

No. 555/1001

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Issue Date: 29-10-2002

OBW/555/1001/06 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 150ns Pulsewidth
OBW/555/1001/07 P&HT Plottergeist	Occupied Bandwidth Upper Edge – 250ns Pulsewidth
OBW/555/1001/08 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 250ns Pulsewidth
OBW/555/1001/09 P&HT Plottergeist	Occupied Bandwidth Upper Edge – 350ns Pulsewidth
OBW/555/1001/10 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 350ns Pulsewidth
OBW/555/1001/11 P&HT Plottergeist	Occupied Bandwidth Upper Edge – 450ns Pulsewidth
OBW/555/1001/12 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 450ns Pulsewidth
OBW/555/1001/13 P&HT Plottergeist	Occupied Bandwidth Upper Edge – 600ns Pulsewidth
OBW/555/1001/14 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 600ns Pulsewidth
OBW/555/1001/15 P&HT Plottergeist	Occupied Bandwidth Upper Edge – 1000ns Pulsewidth
OBW/555/1001/16 P&HT Plottergeist	Occupied Bandwidth Lower Edge – 1000ns Pulsewidth

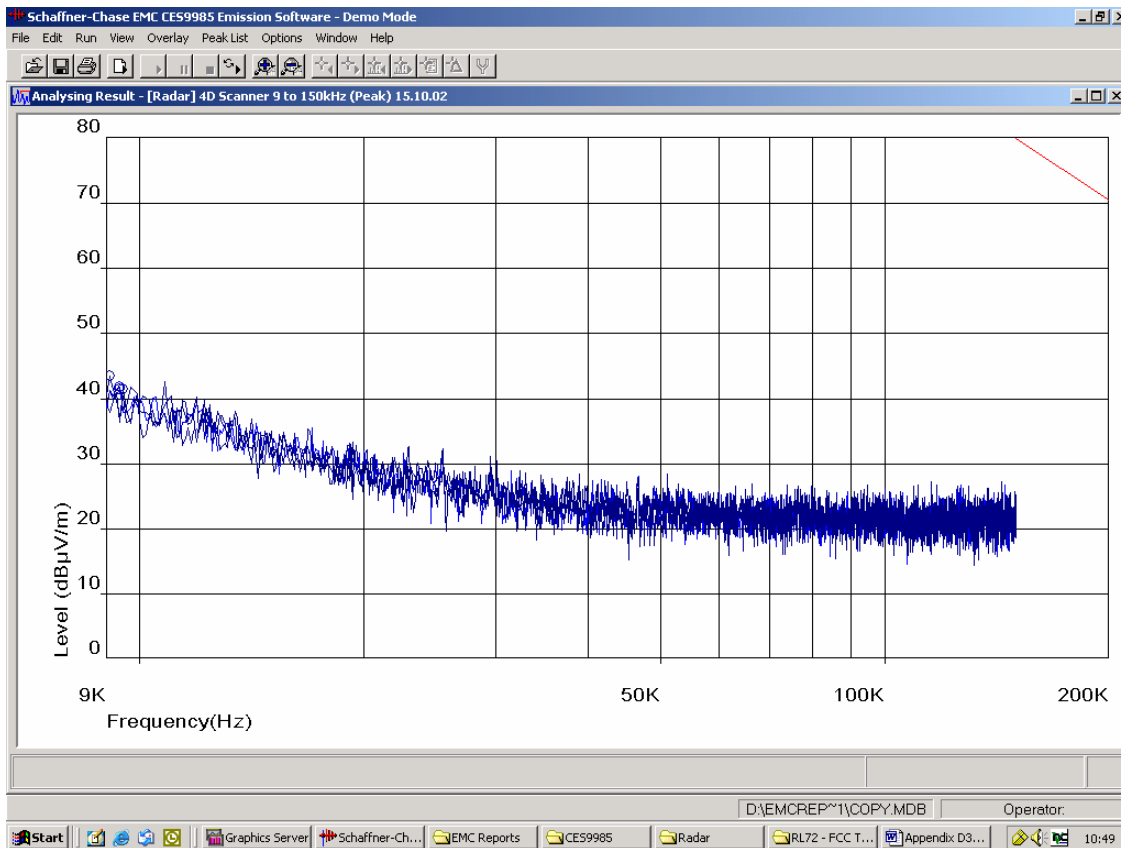
Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998

TP/555/1001

15 Oct 2002

Radiated Emissions @ 3m (Loop Antenna)
EUT: RL74CRC PLUS
Mfr: Raymarine Ltd.
Op.Cond: 12V supply.
Operator: P.Bowen

Start F	Stop F	BW	Step	Det.	Dwell	Atten.	Preamp	OpRge
9kHz	150kHz	200Hz	100Hz	PK	30msec	Auto	ON	70dB



Graph RE/555/1001/01

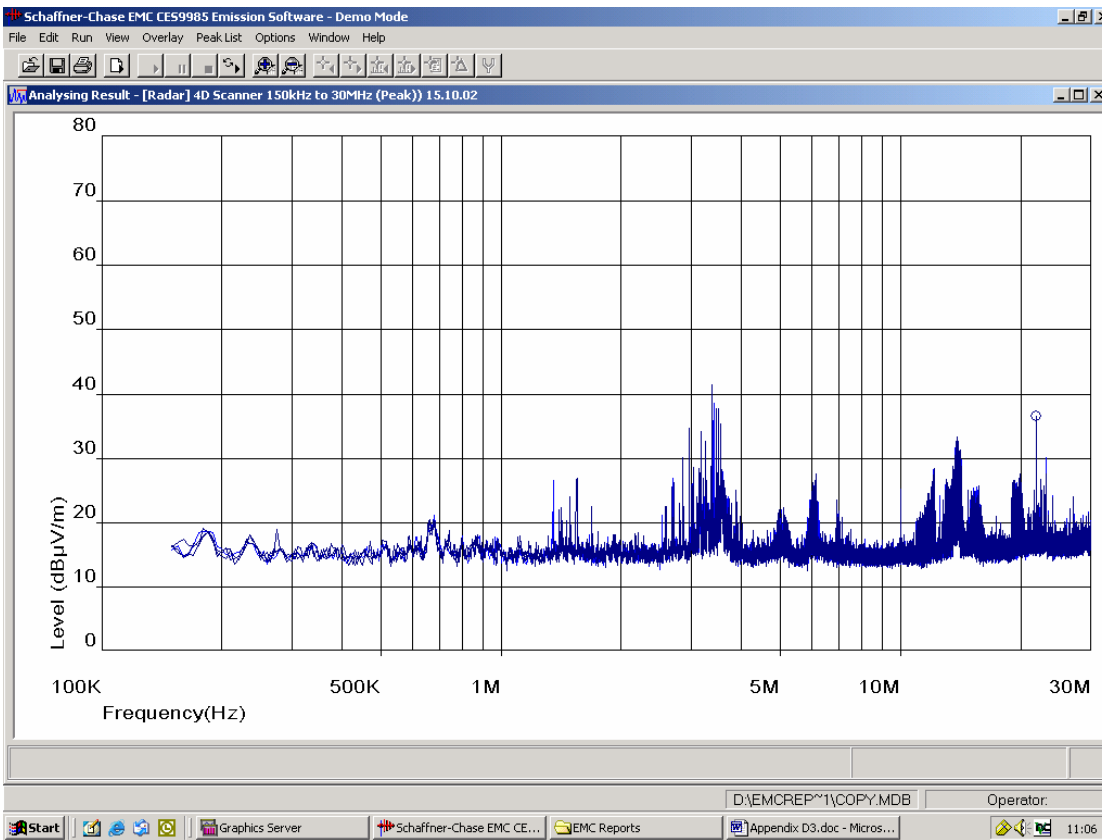
Test of: Raymarine Ltd.
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FCC Part 2: 1998

TP/555/1001

15 Oct 2002

Radiated Emissions @ 3m (Loop Antenna)
EUT: RL74CRC PLUS
Mfr: Raymarine Ltd.
Op.Cond: 12V supply.
Operator: P.Bowen

Start F	Stop F	BW	Step	Det.	Dwell	Atten.	Preamp	OpRge
150kHz	30MHz	10kHz	5kHz	PK	20msec	0dB	ON	70dB



Graph RE/555/1001/02

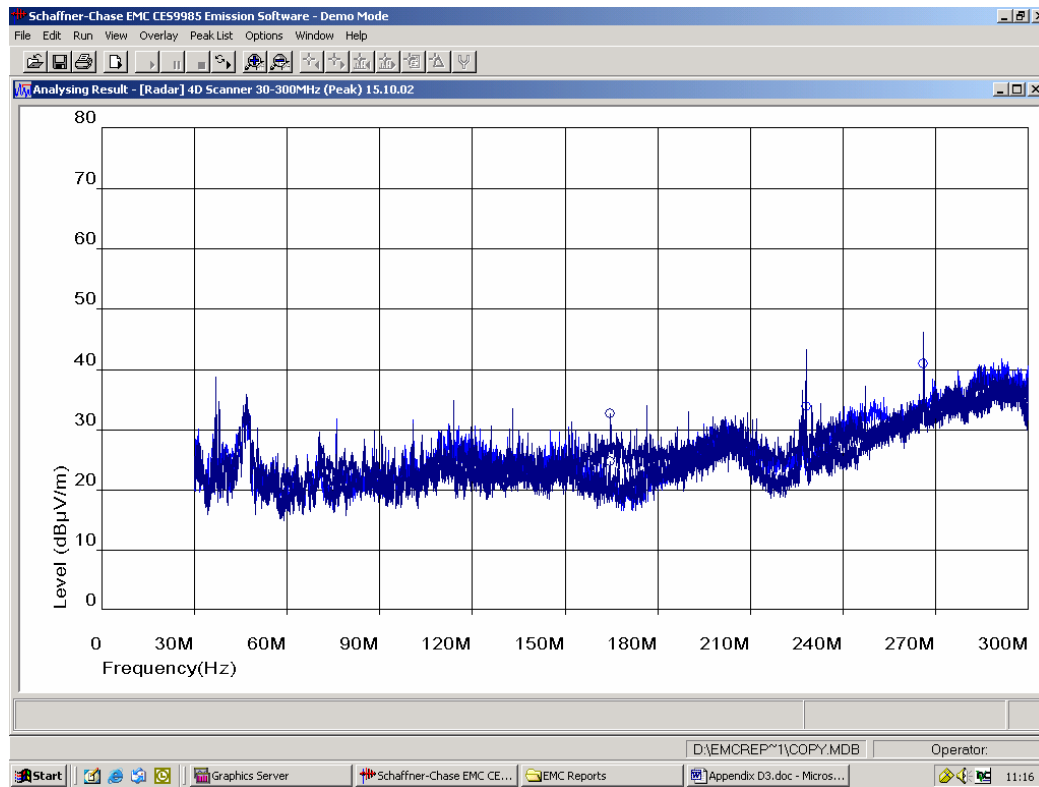
Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
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FCC Part 2: 1998

TP/555/1001

15 Oct 2002

Radiated Emissions @ 3m
EUT: RL74CRC PLUS
Mfr: Raymarine Ltd.
Op.Cond: 12V supply.
Operator: P.Bowen

Start F	Stop F	Step	BW	Det.	Dwell	Atten.	Preamp	OpRge
30MHz	300MHz	60kHz	120kHz	PK	20msec	0 dB	ON	70dB



Graph RE/555/1001/03

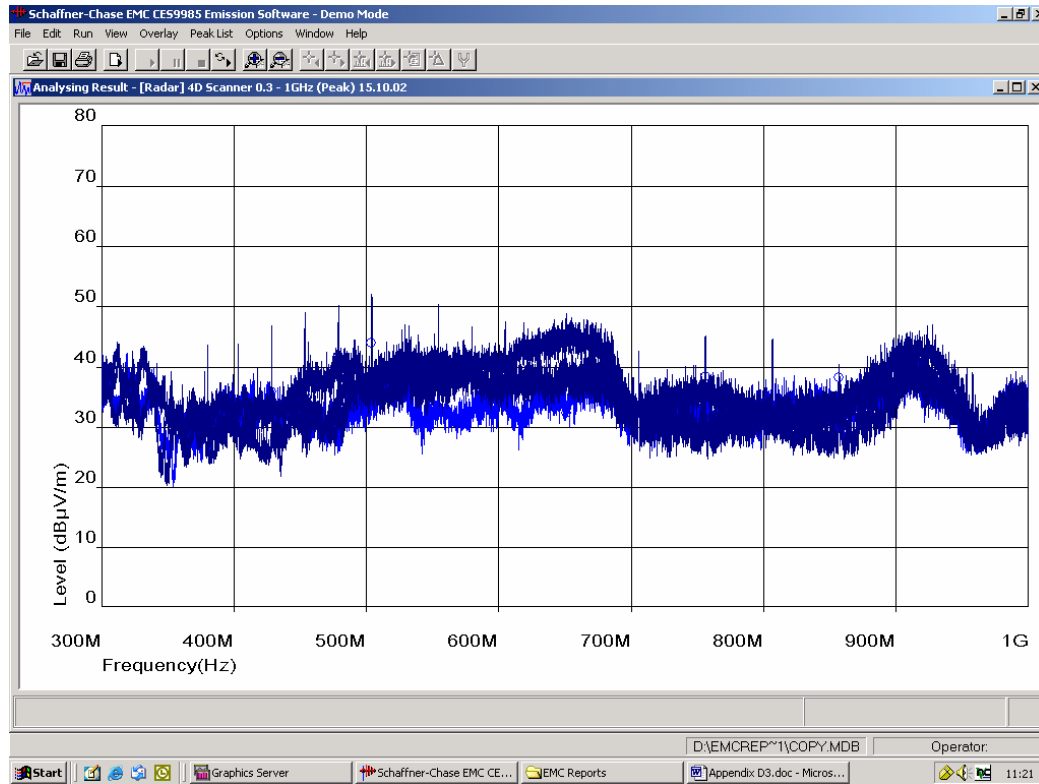
Test of: Raymarine Ltd.
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FCC Part 2: 1998

TP/555/1001

15 Oct 2002

Radiated Emissions @ 3m
EUT: RL74CRC PLUS
Mfr: Raymarine Ltd.
Op.Cond: 12V supply.
Operator: P.Bowen

Start F	Stop F	Step	BW	Det.	Dwell	Atten.	Preamp	OpRge
300MHz	1000MHz	60kHz	120kHz	PK	20msec	0 dB	ON	70dB



Graph RE/555/1001/04

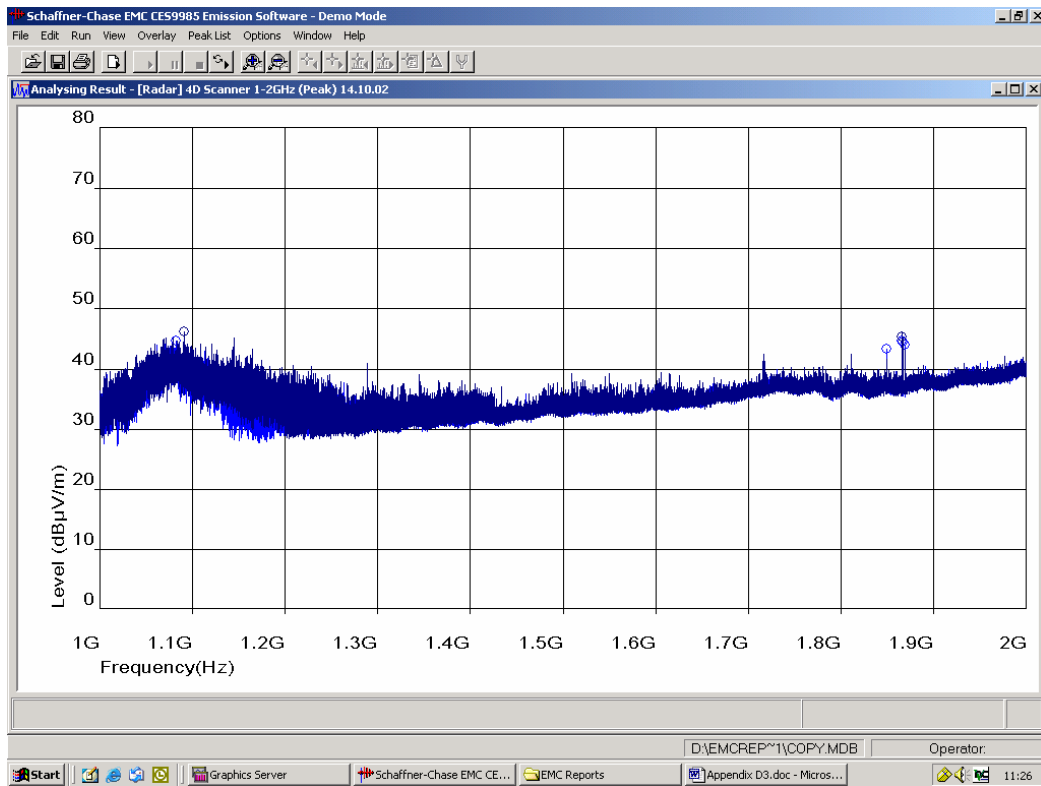
Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
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FCC Part 2: 1998

TP/555/1001

14 Oct 2002

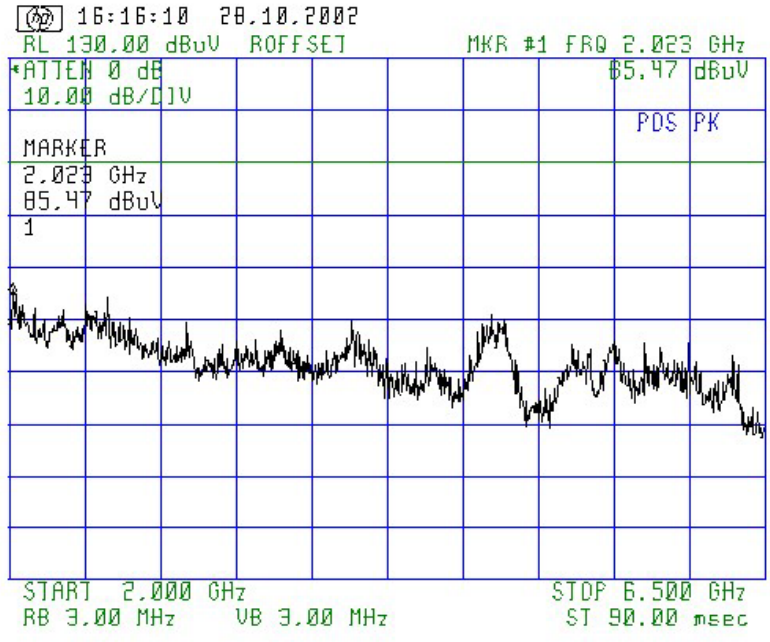
Radiated Emissions @ 3m
EUT: RL74CRC PLUS
Mfr: Raymarine Ltd.
Op.Cond: 12V supply.
Operator: P.Bowen

Start F	Stop F	Step	BW	Det.	Dwell	Atten.	Preamp	OpRge
1.0GHz	2.0GHz	60kHz	120kHz	PK	20msec	0 dB	ON	80dB



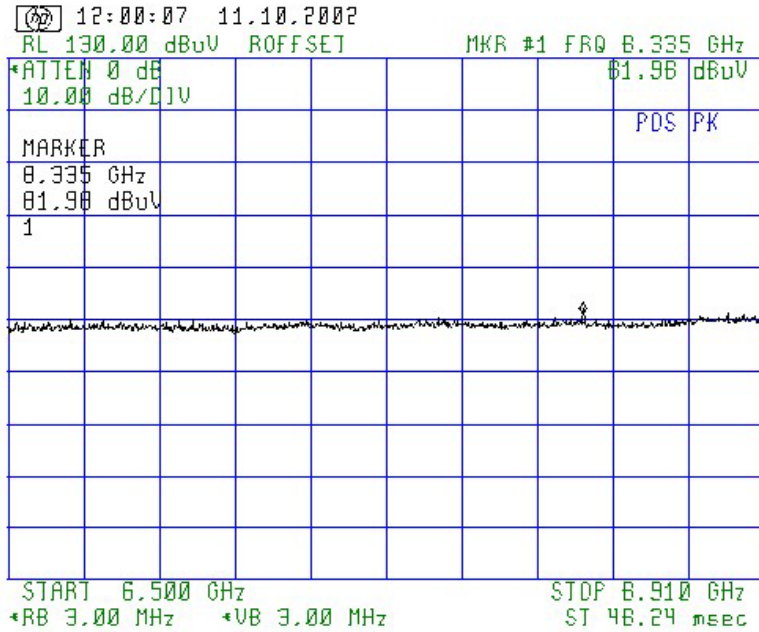
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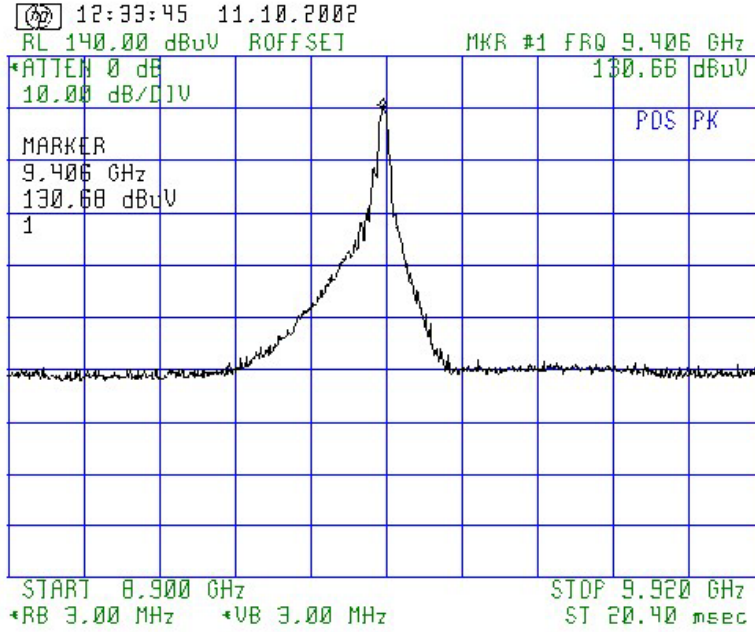
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Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



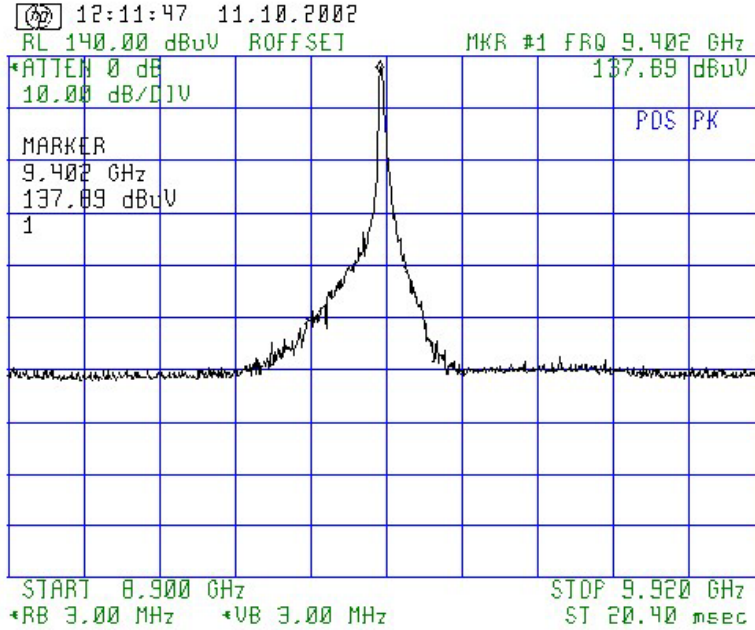
Graph RE/555/1001/07

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



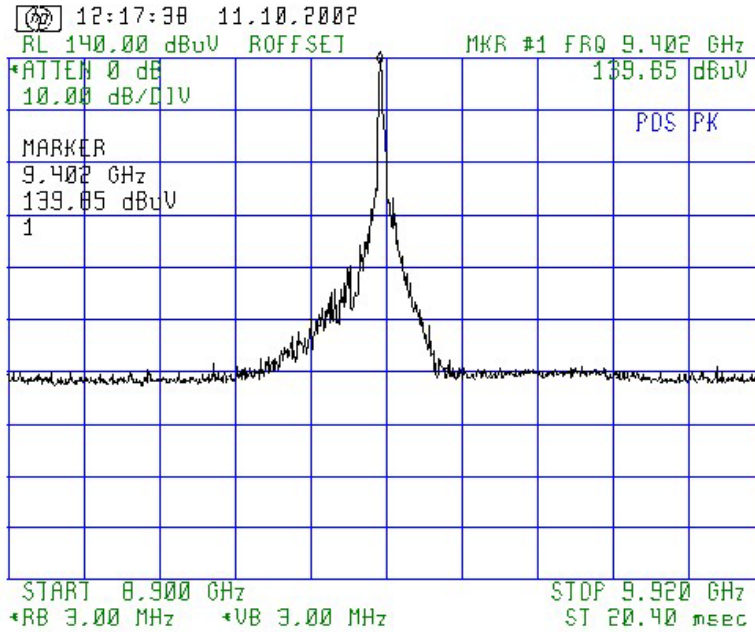
Graph RE/555/1001/08

Test of: Raymarine Ltd.
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FCC Part 80: 1998 and
FCC Part 2: 1998



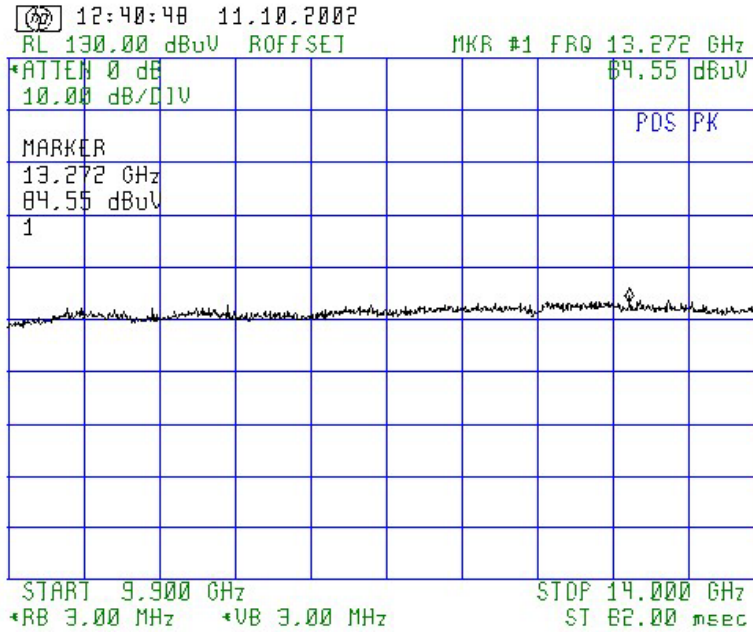
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Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
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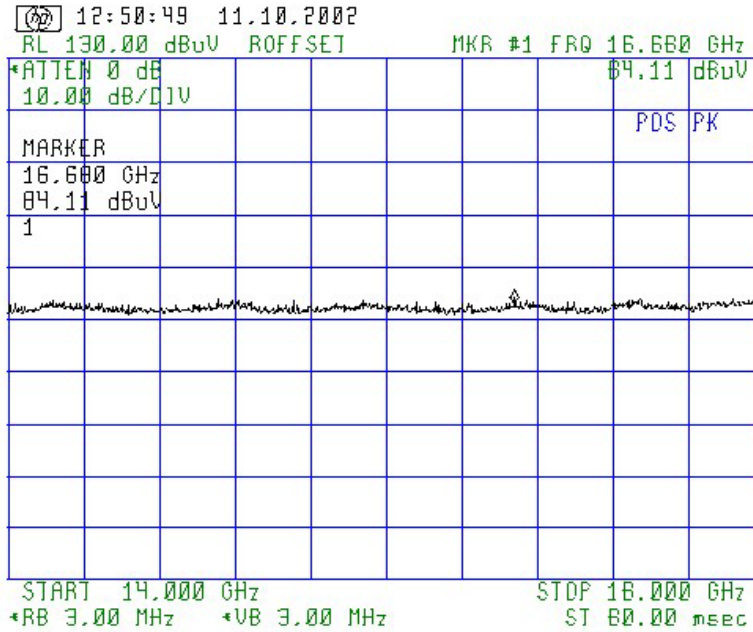
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Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



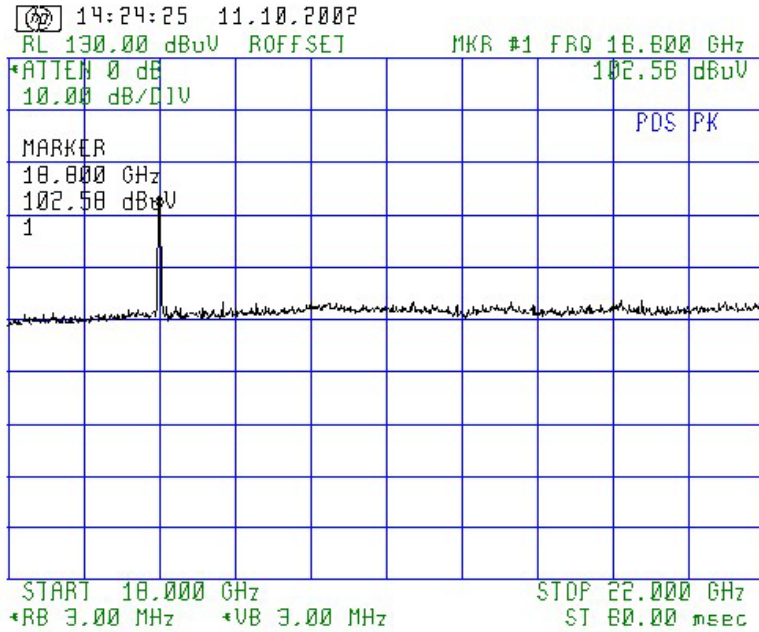
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Pathfinder RL74CRC PLUS
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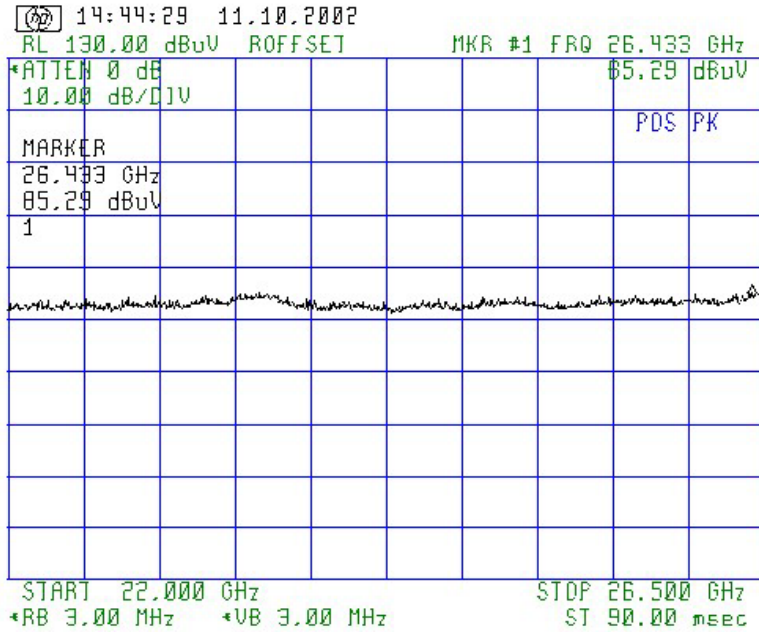
Graph RE/555/1001/12

Test of: Raymarine Ltd.
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FCC Part 80: 1998 and
FCC Part 2: 1998



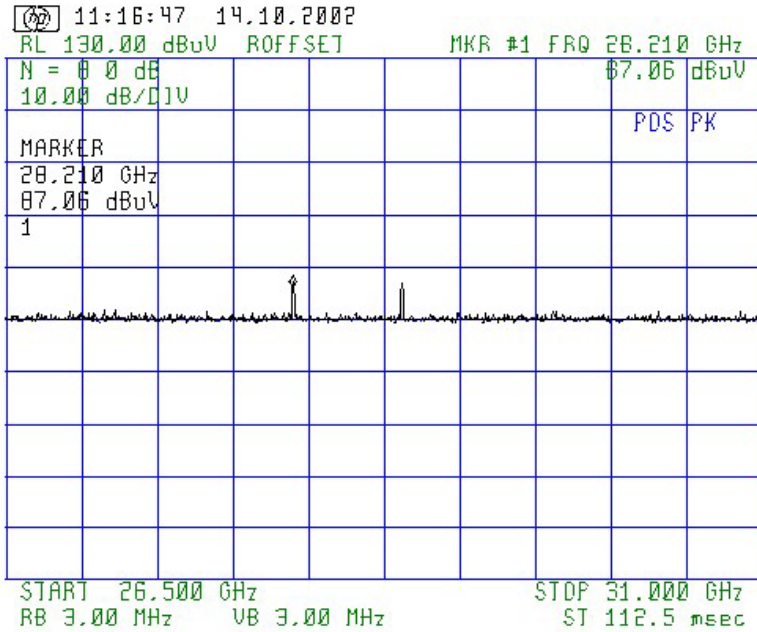
Graph RE/555/1001/13

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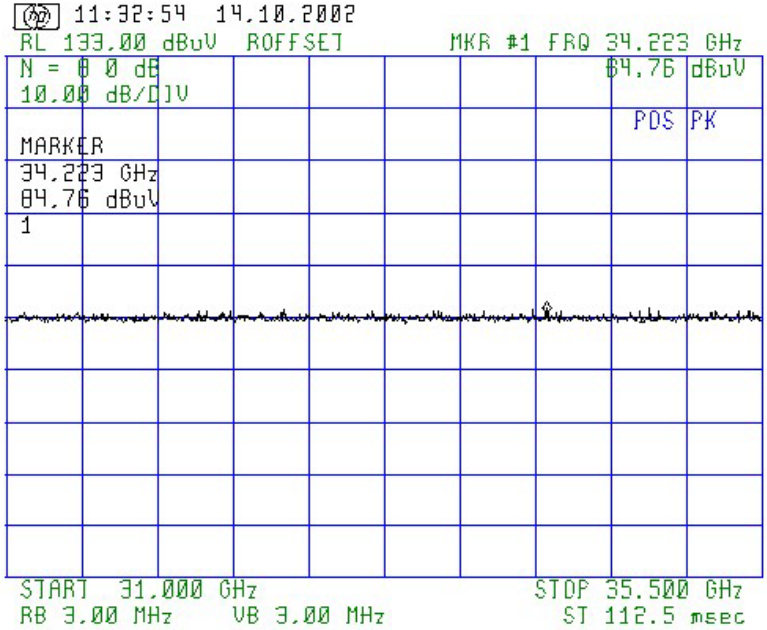
Graph RE/555/1001/14

Test of: Raymarine Ltd.
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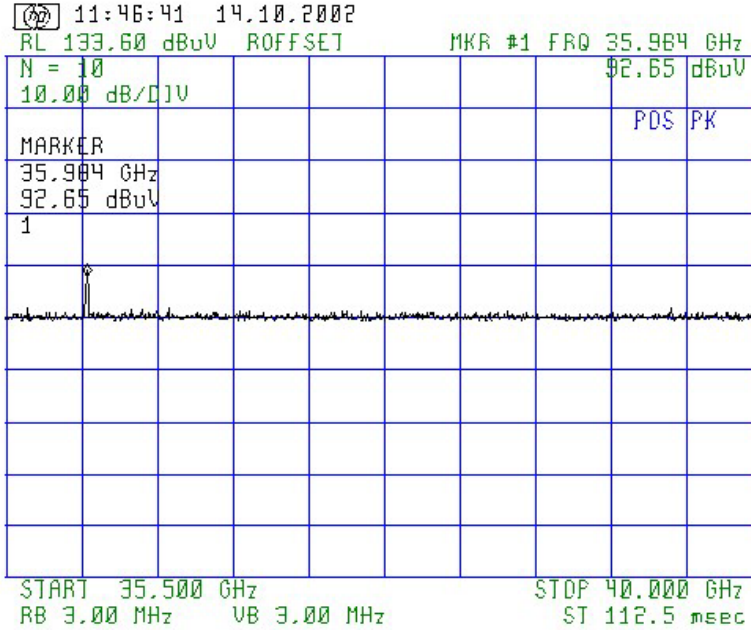
Graph RE/555/1001/15

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
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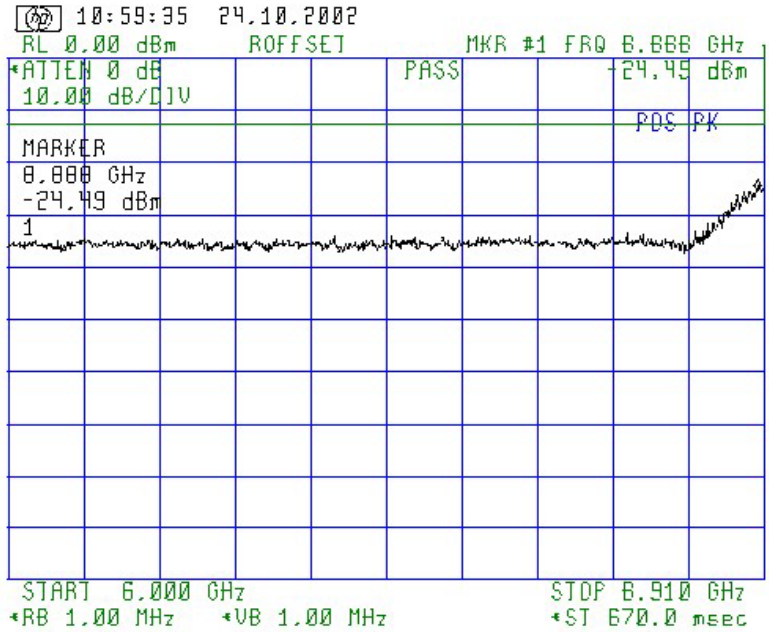
Graph RE/555/1001/16

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Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



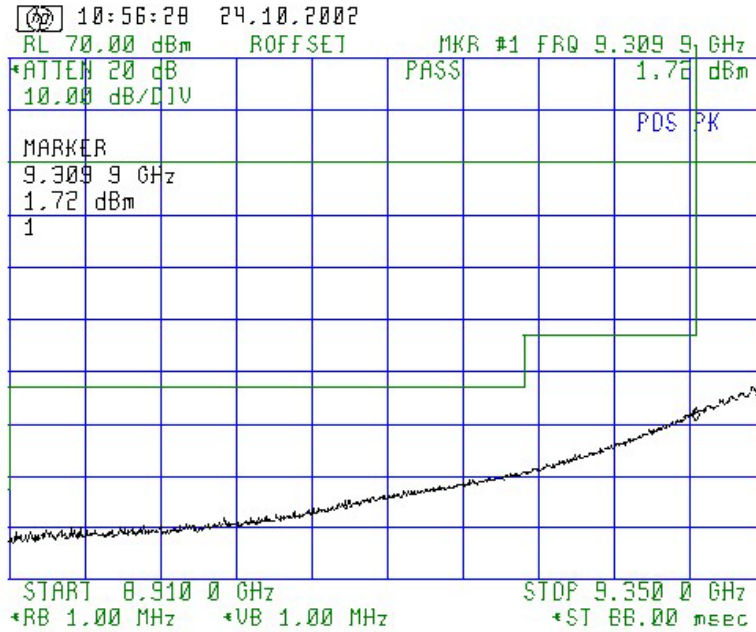
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Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



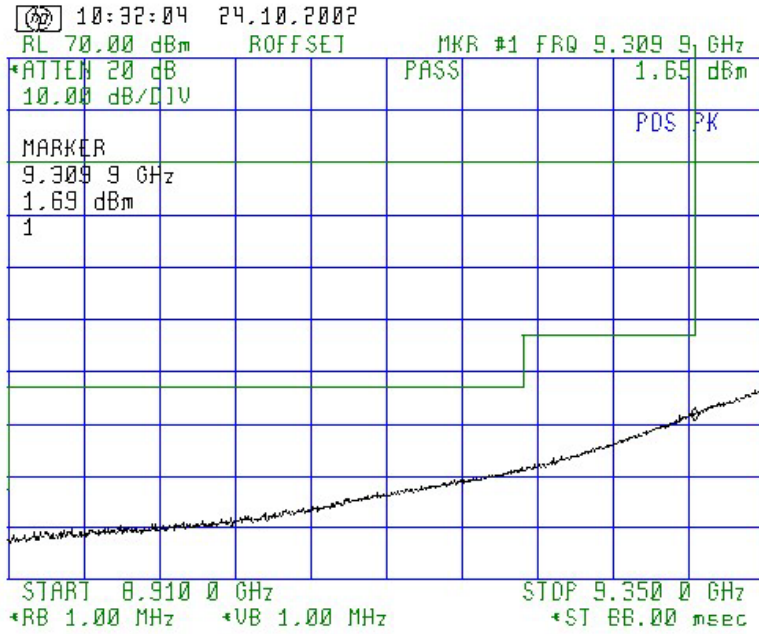
Graph CE/555/1001/01

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



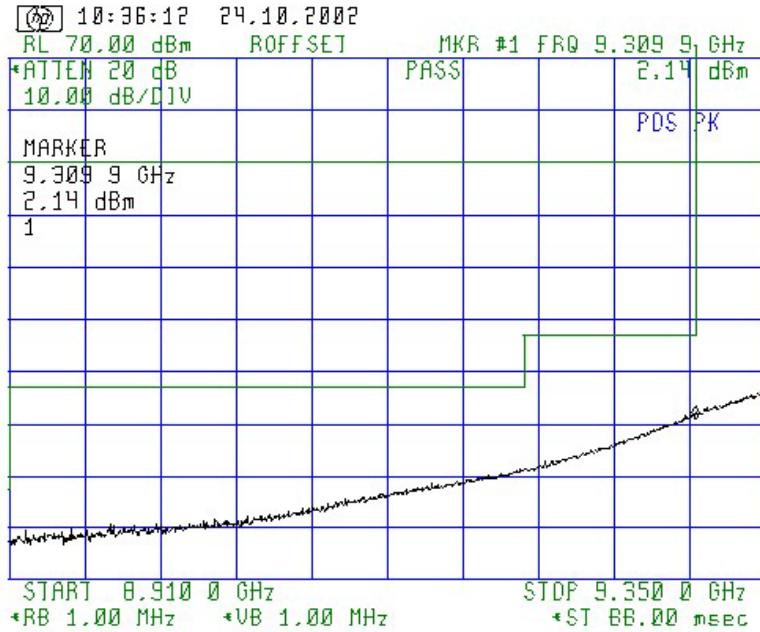
Graph CE/555/1001/02

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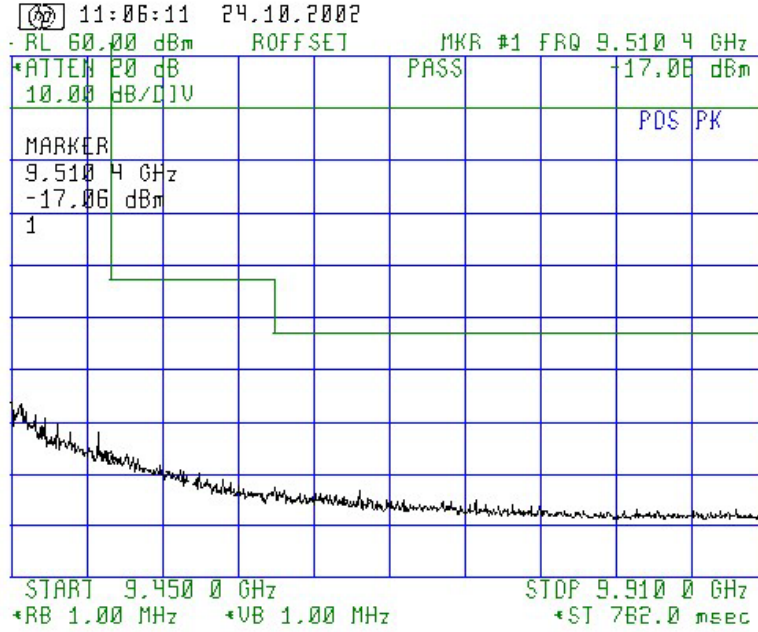
Graph CE/555/1001/03

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
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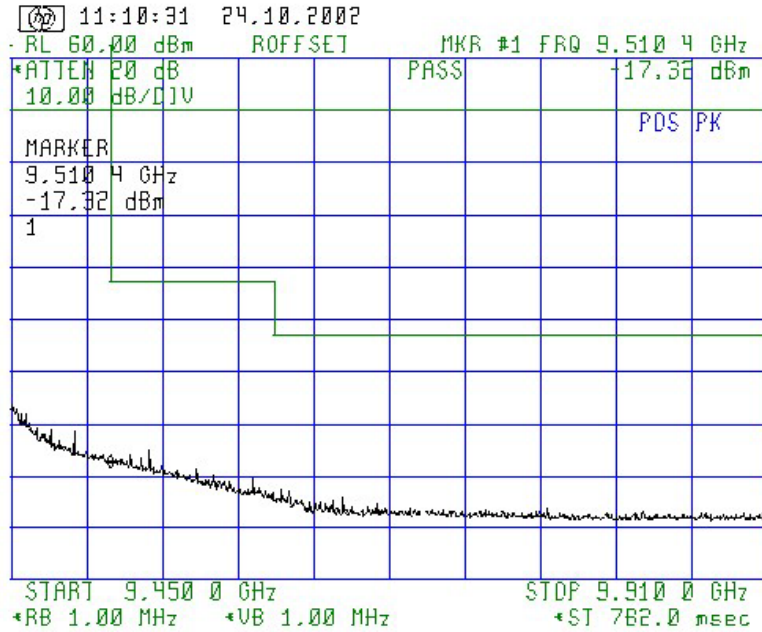
Graph CE/555/1001/04

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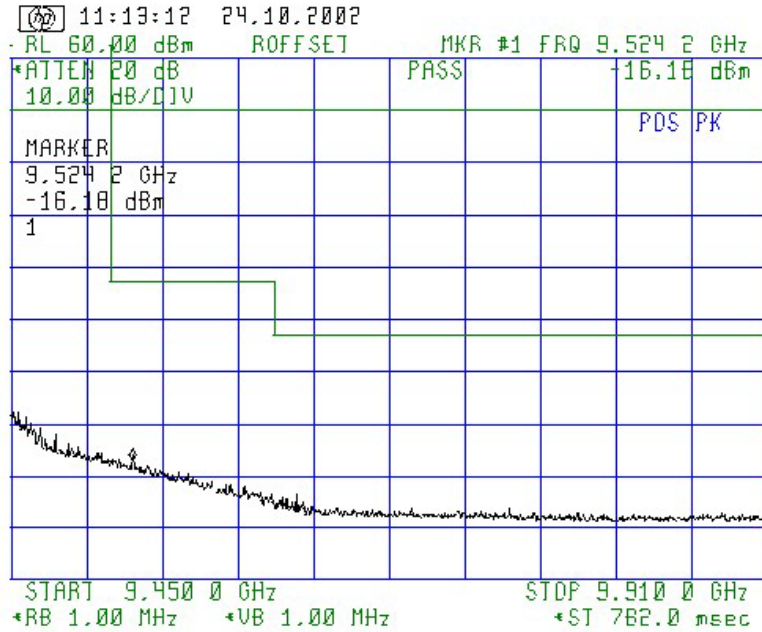
Graph CE/555/1001/05

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
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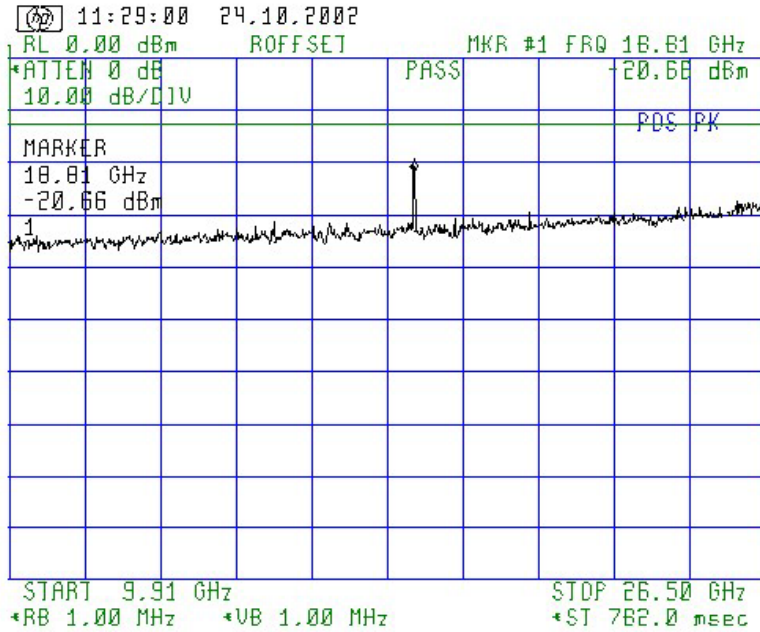
Graph CE/555/1001/06

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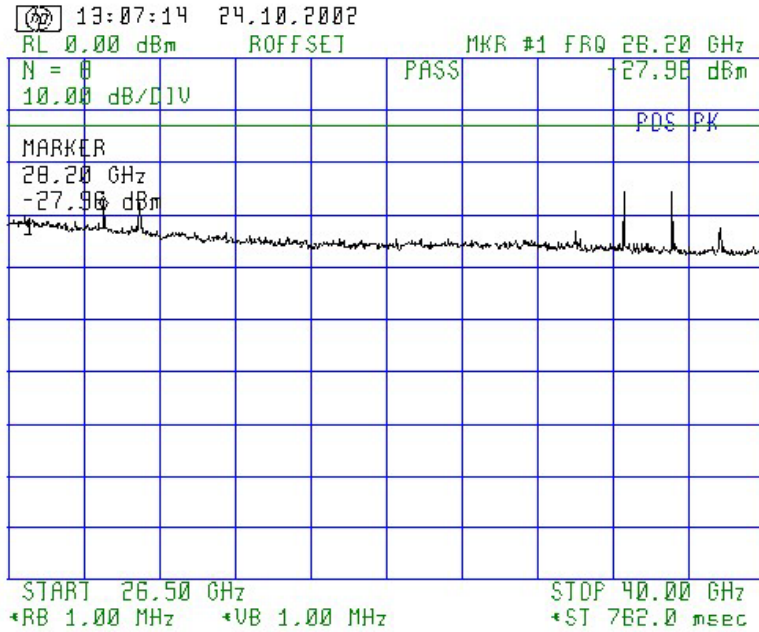
Graph CE/555/1001/07

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Graph CE/555/1001/08

Test of: Raymarine Ltd.
Pathfinder RL74CRC PLUS
FCC Part 80: 1998 and
FCC Part 2: 1998



Graph CE/555/1001/09