

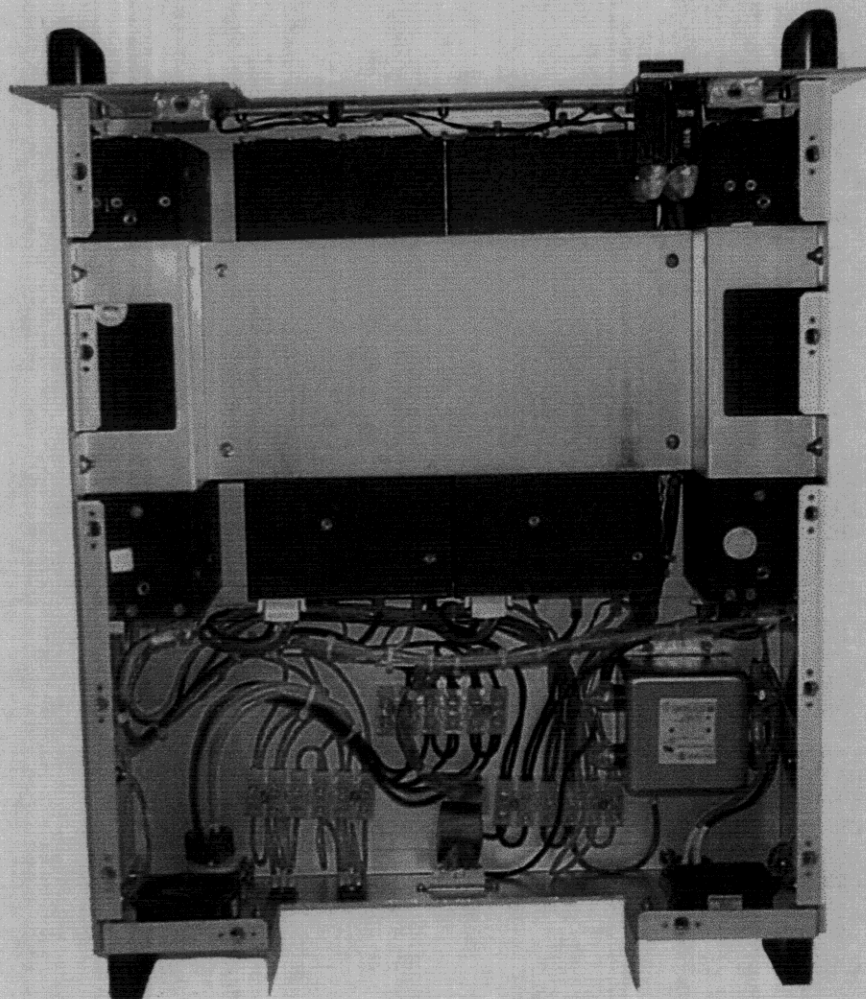


Blank Page

Don't Forget To Delete Me!

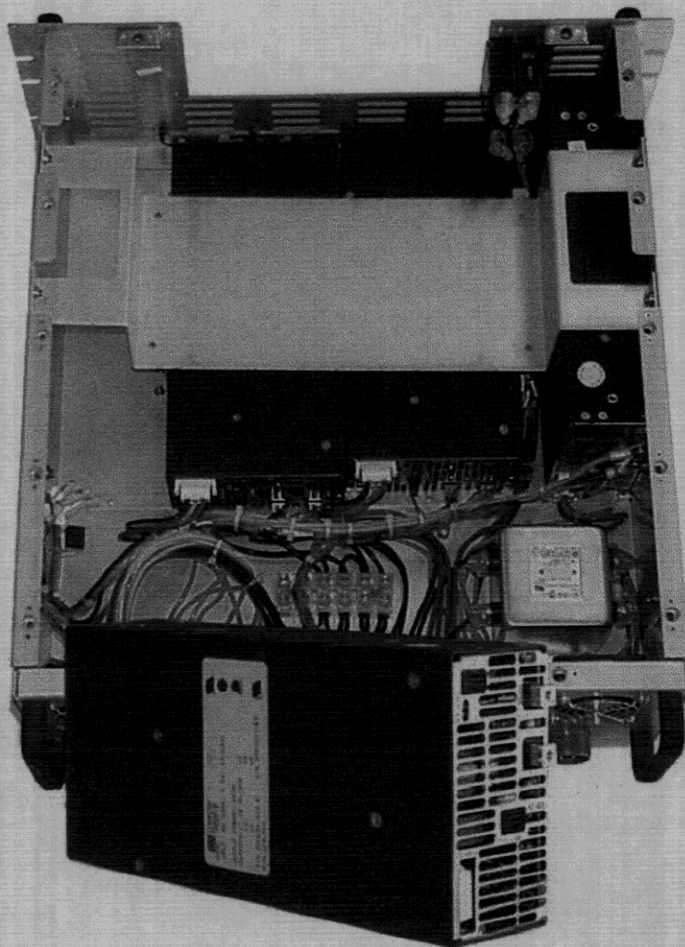
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	202

Figure 13. PS-7130 with Top Cover Removed



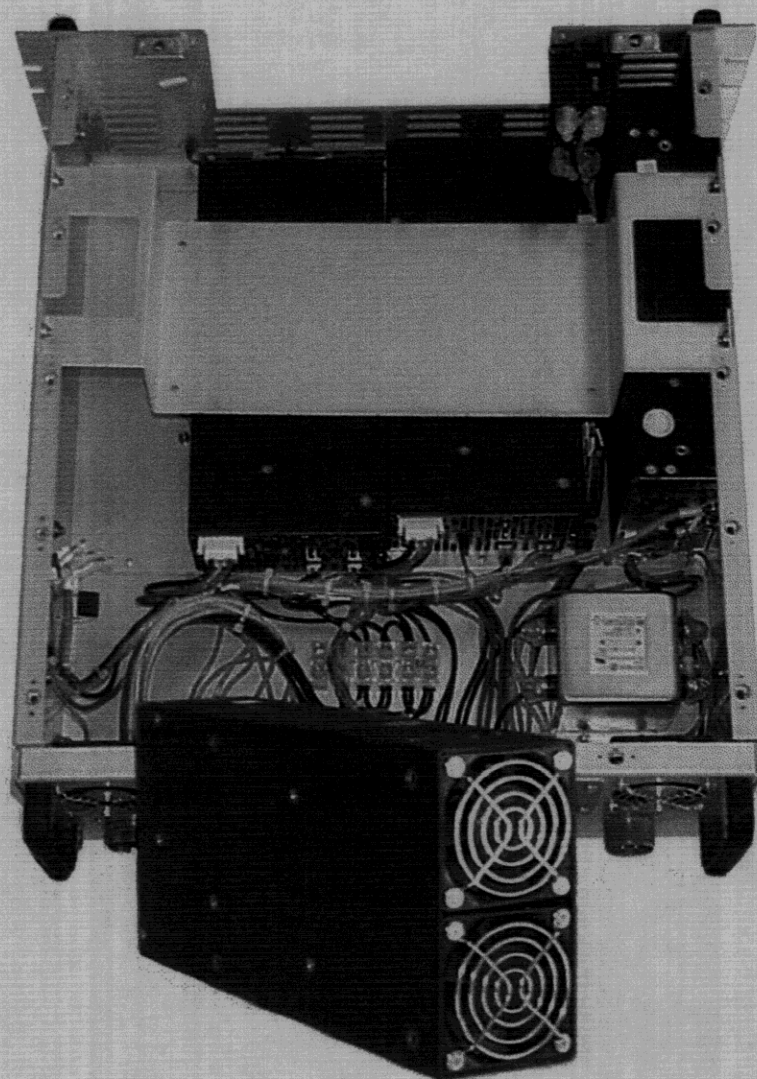
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	203

Figure 14. PS-7130 with Power Supply Module Removed
(Front View)



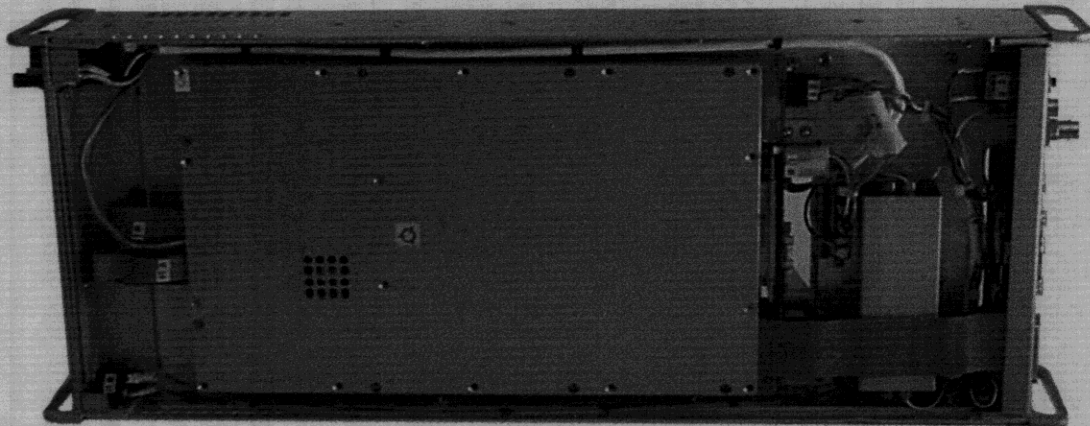
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	204

Figure 15. PS-7130 with Power Supply Module Removed
(Rear View)



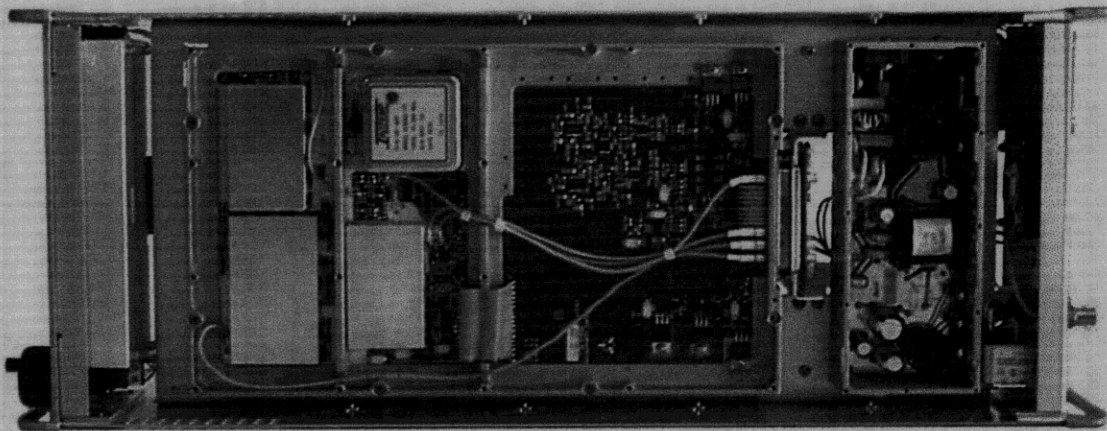
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	208

Figure 19. T-4180 with Bottom Cover Removed



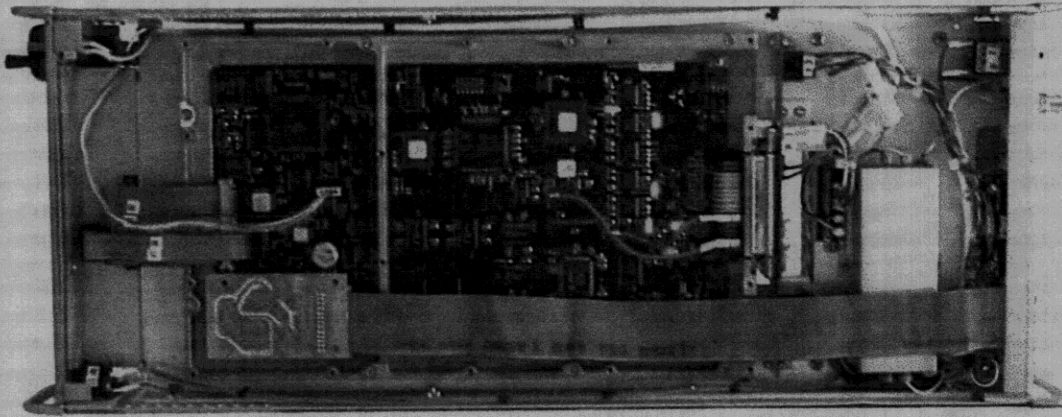
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	209

Figure 20. Synthesizer Module and Power Supply Covers Removed



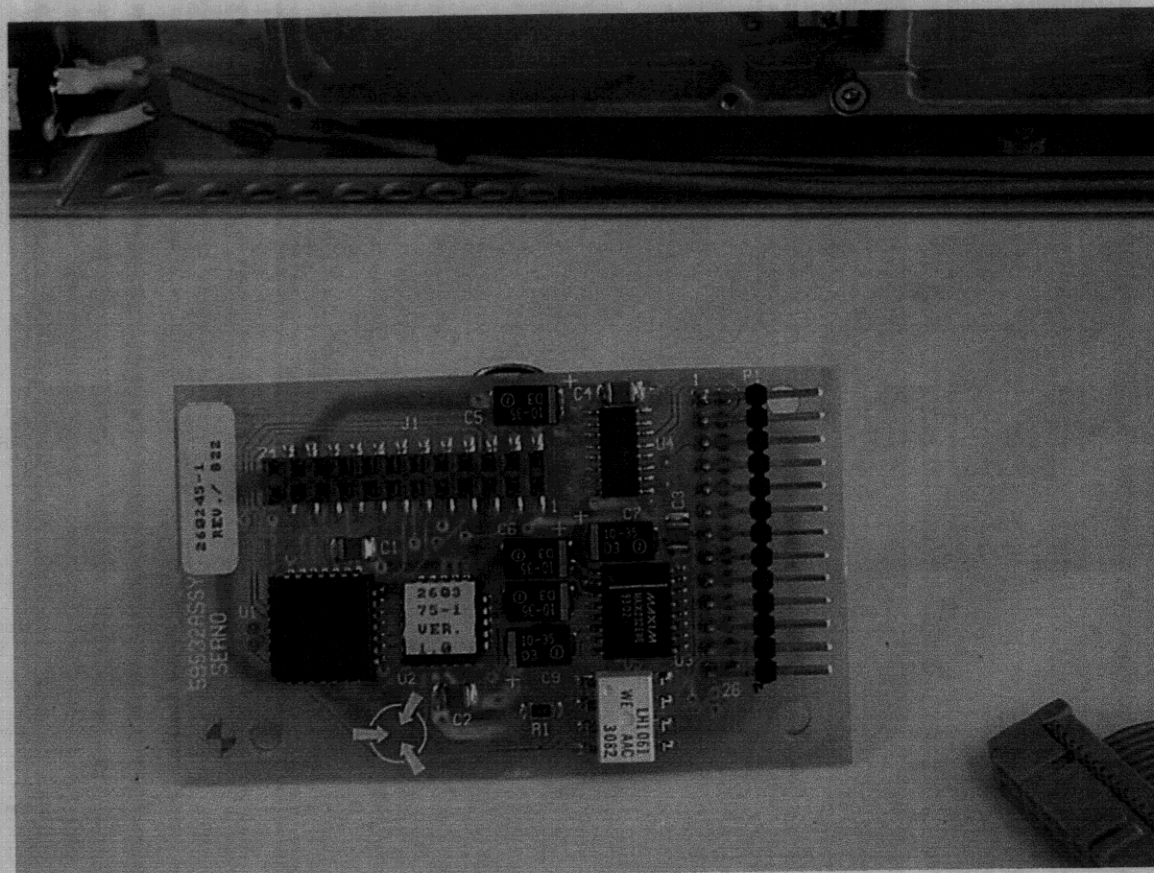
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	210

Figure 21. Digital Module Cover Removed
(Remote Control Board Visible on Top)



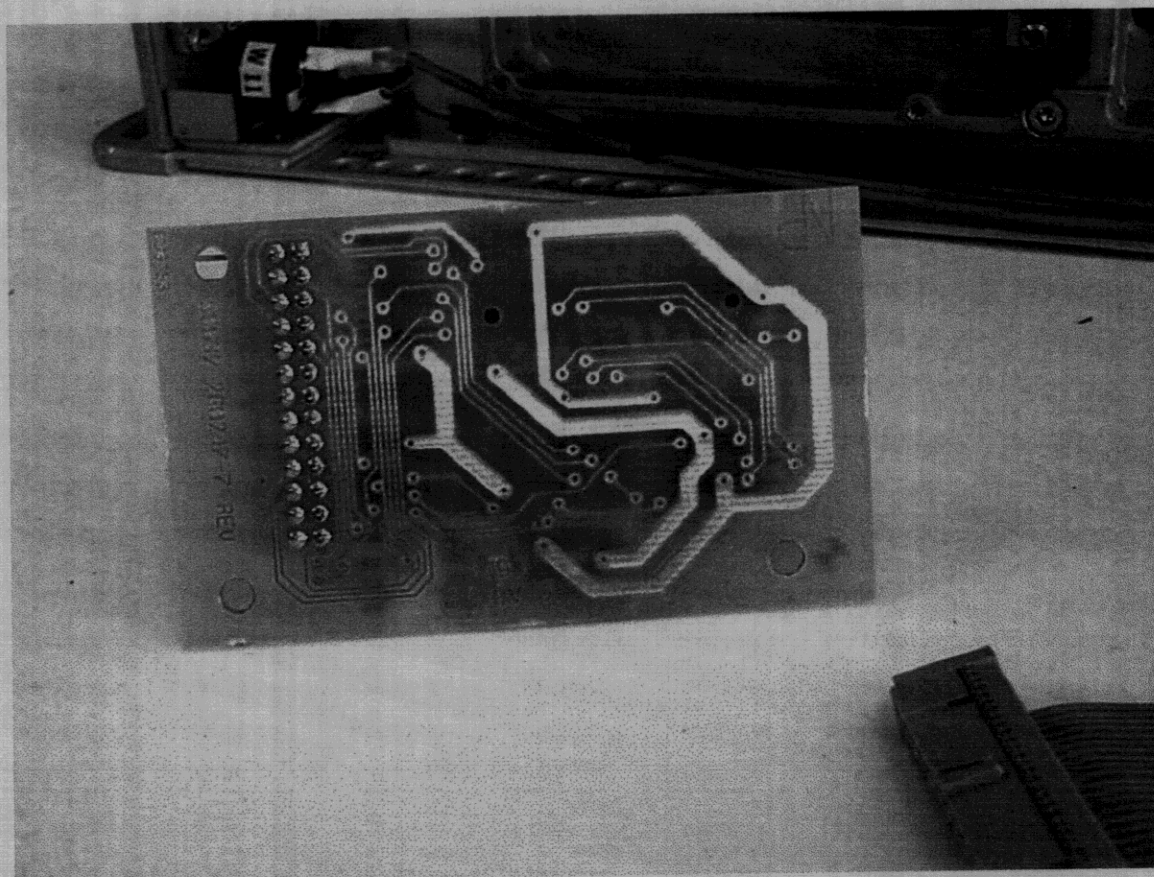
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	211

Figure 22. Front View of Remote Control Board (Removed)

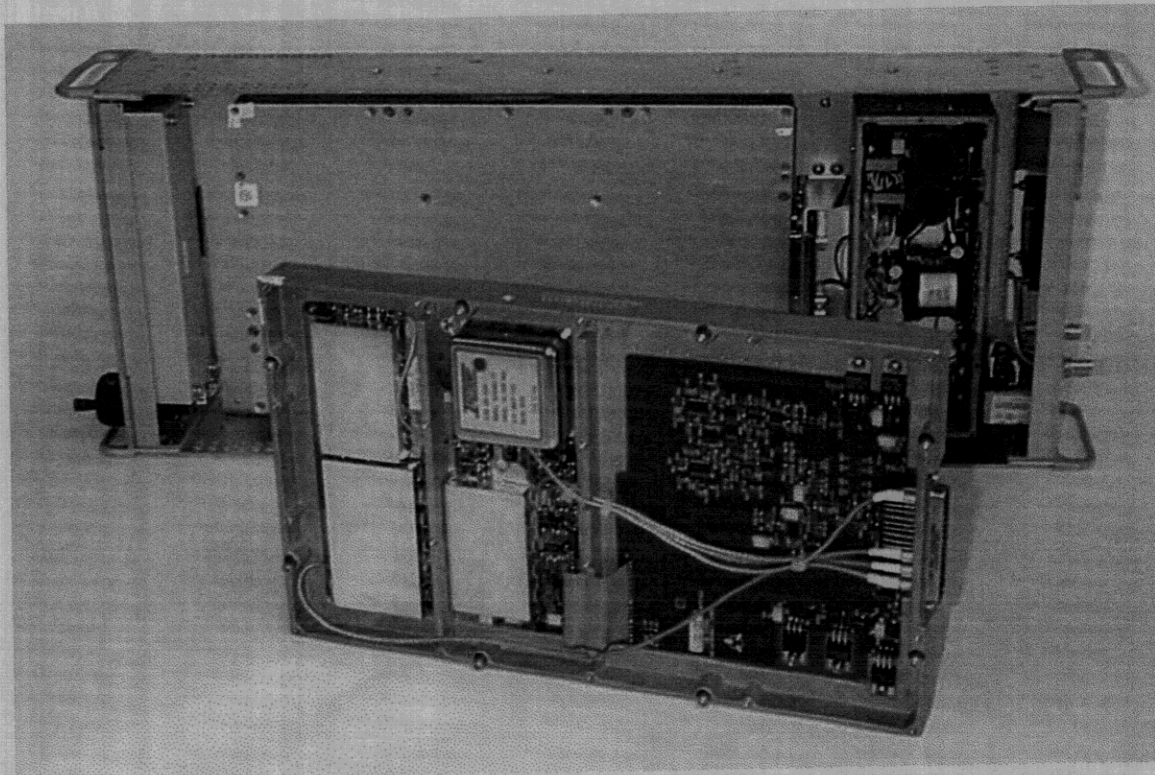


Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	212

Figure 23. Rear View of Remote Control Board (Removed)

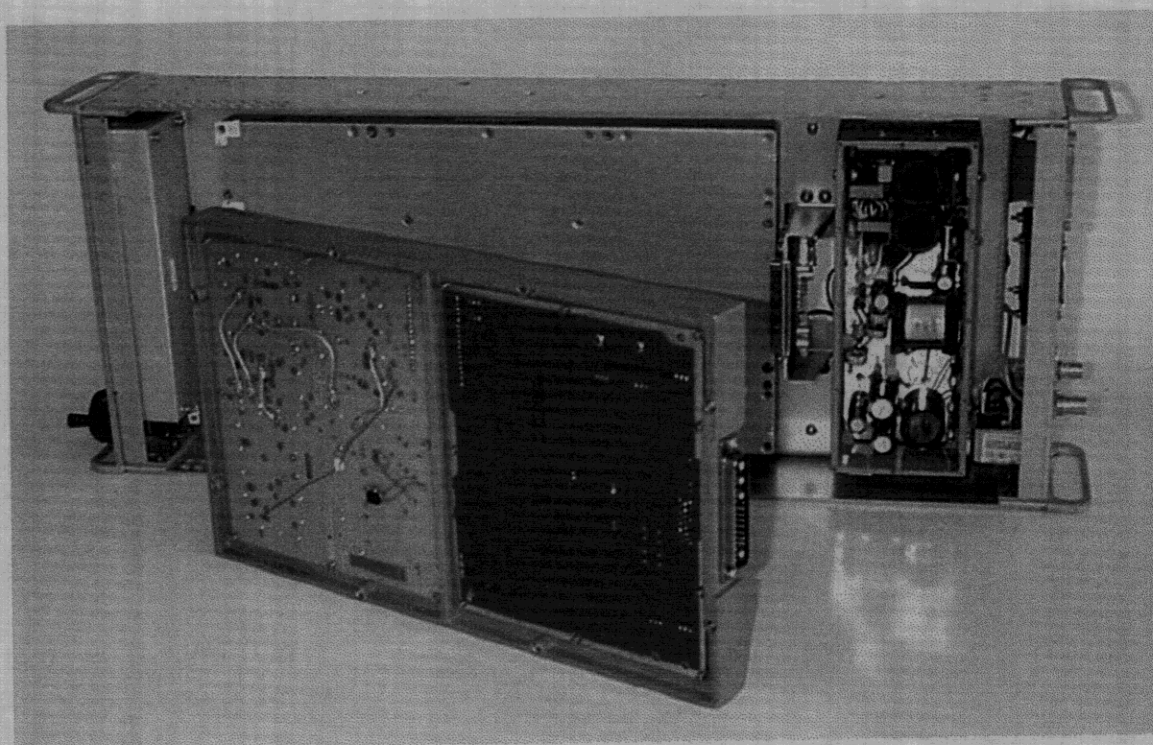


Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	213

Figure 24. Front View of Synthesizer Module (Removed)

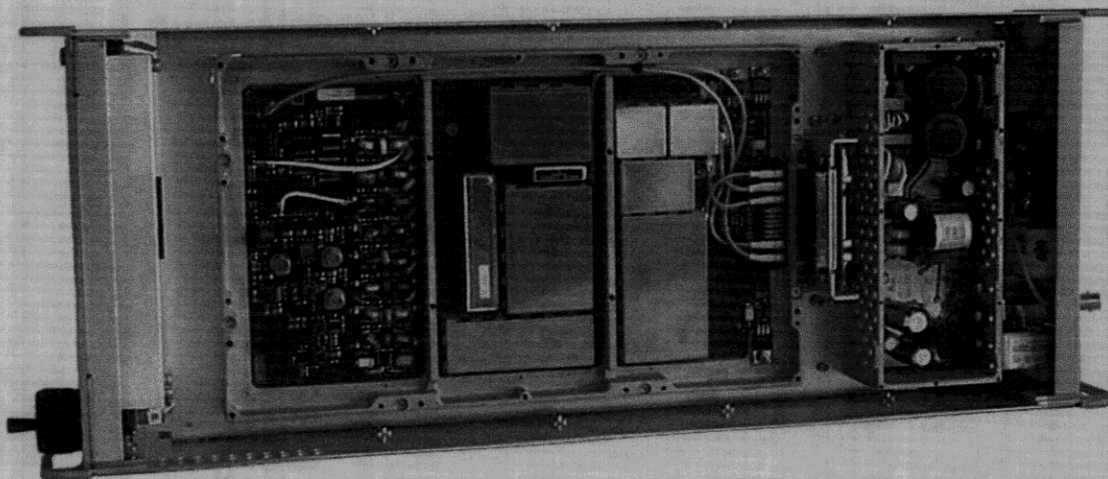
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	214

Figure 25. Rear View of Synthesizer Module (Removed)



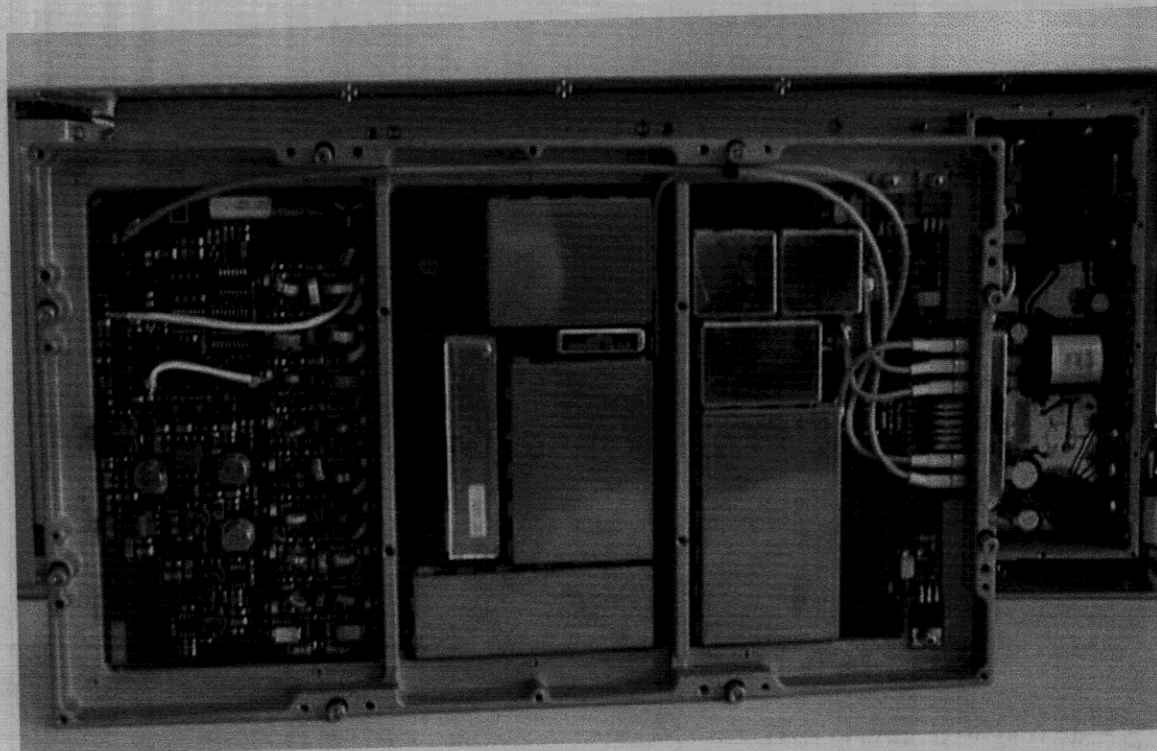
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	215

Figure 26. RF Module Cover Removed



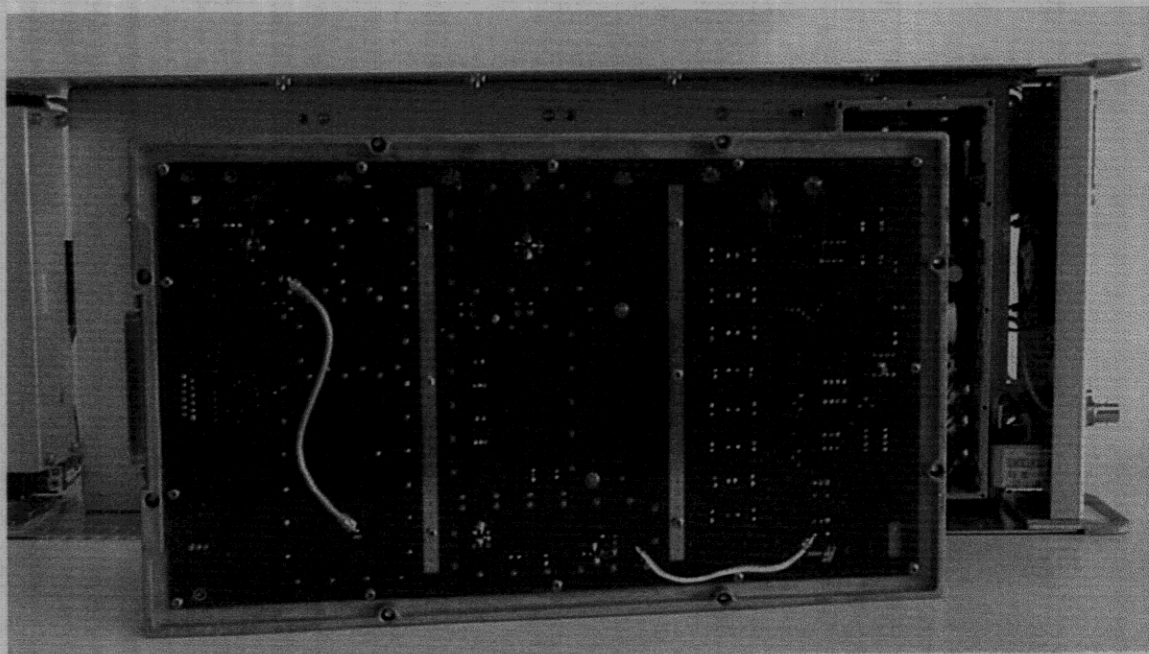
Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	216

Figure 27. Top View of RF Analog Module (Removed)

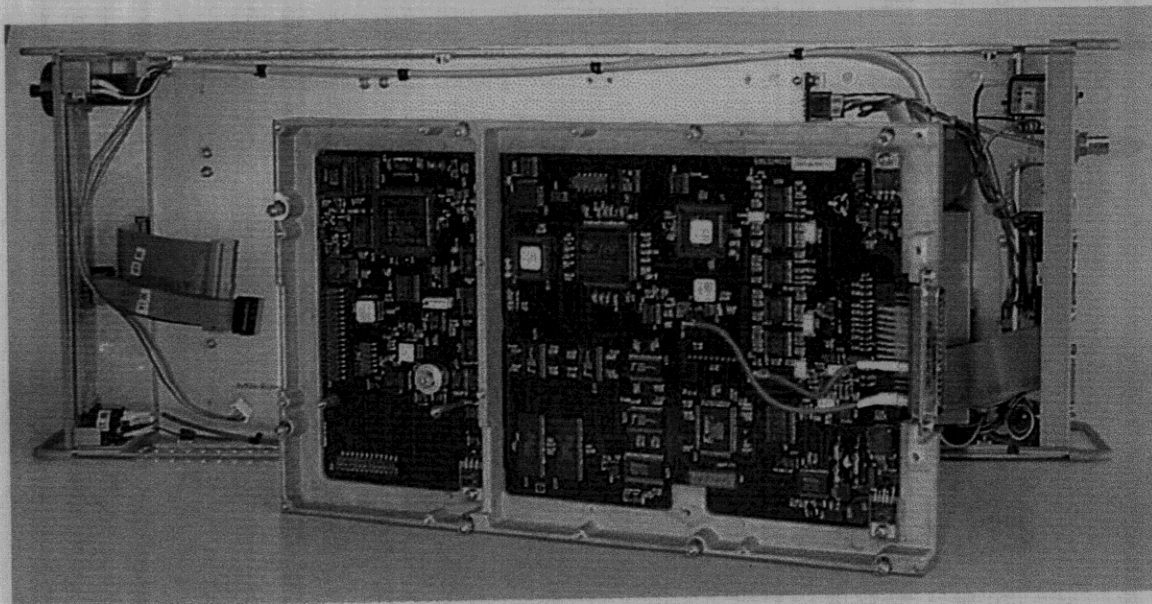


Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	217

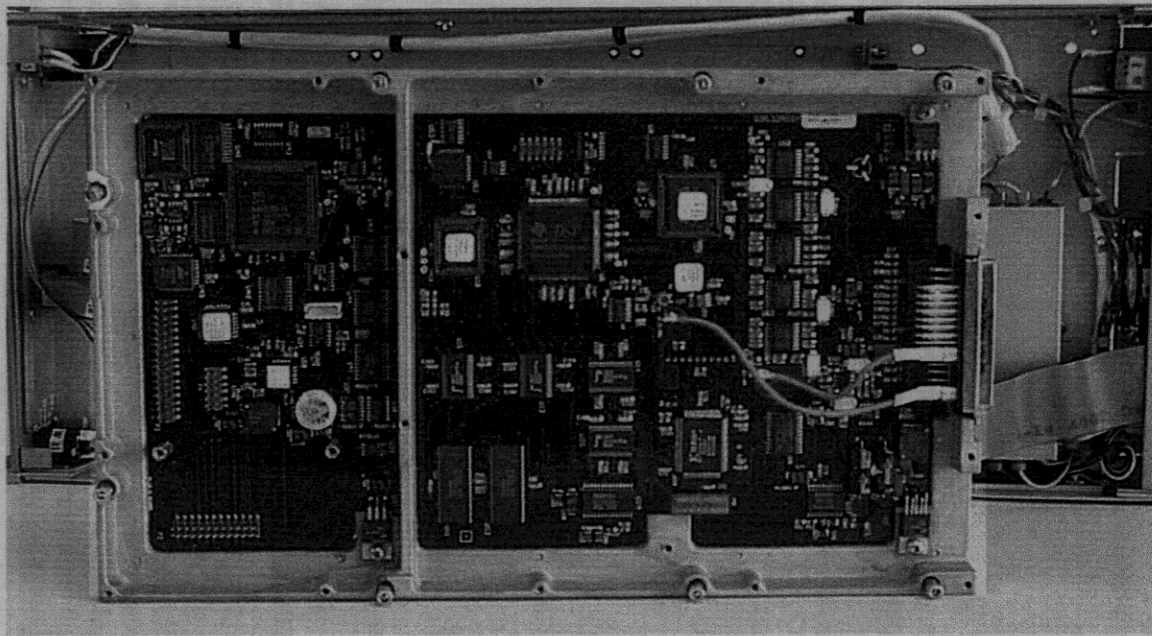
Figure 28. Bottom View of RF Analog Module (Removed)



Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	218

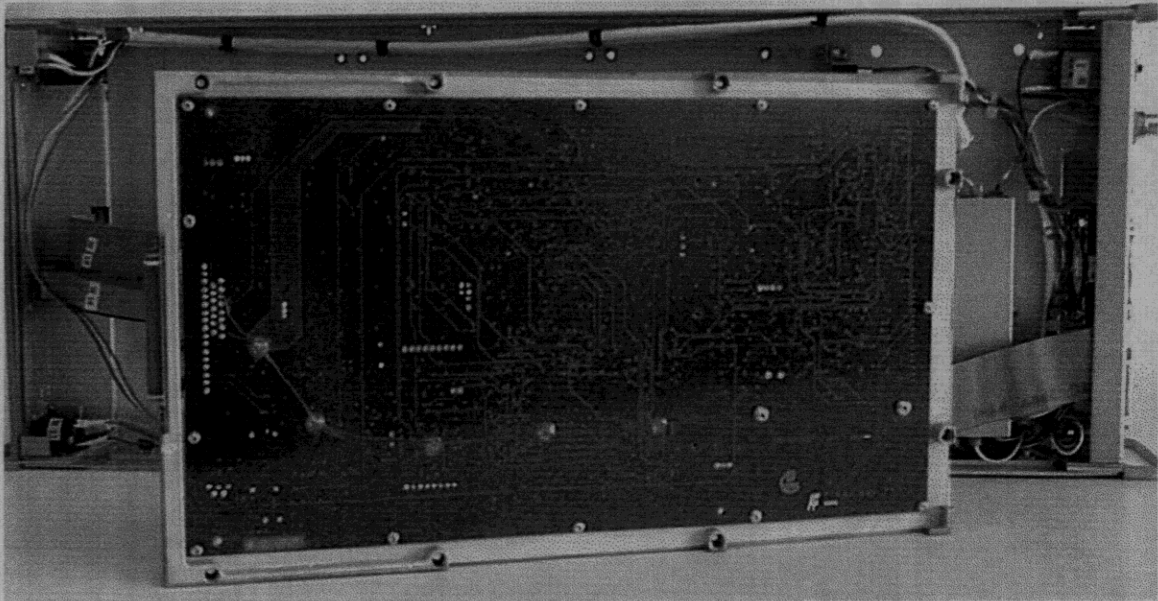
Figure 29. Digital Module (Removed)

Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	219

Figure 30. Top View of Digital Module

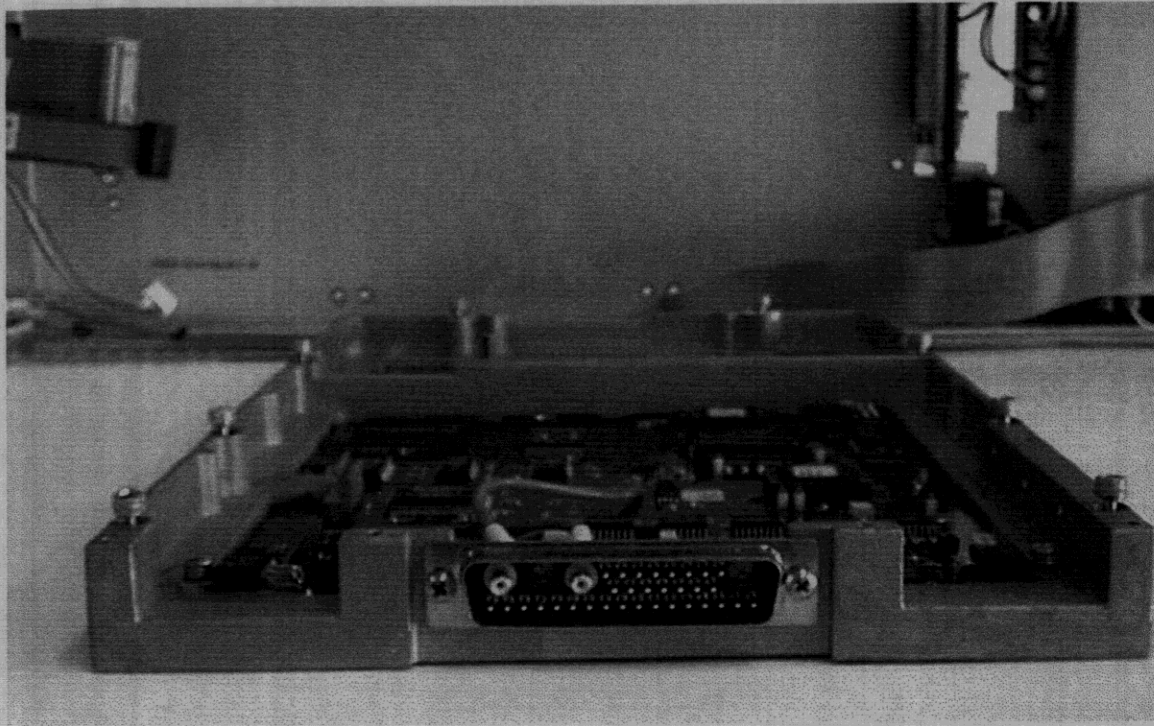
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	220

Figure 31. Bottom View of Digital Module



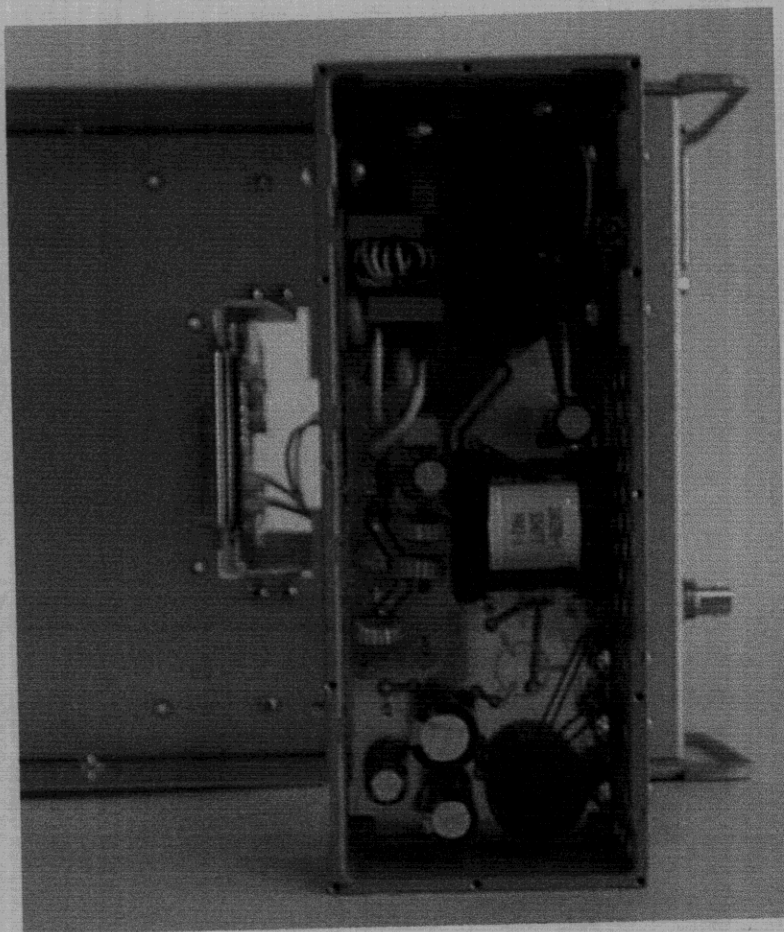
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	221

Figure 32. End View of Digital Module



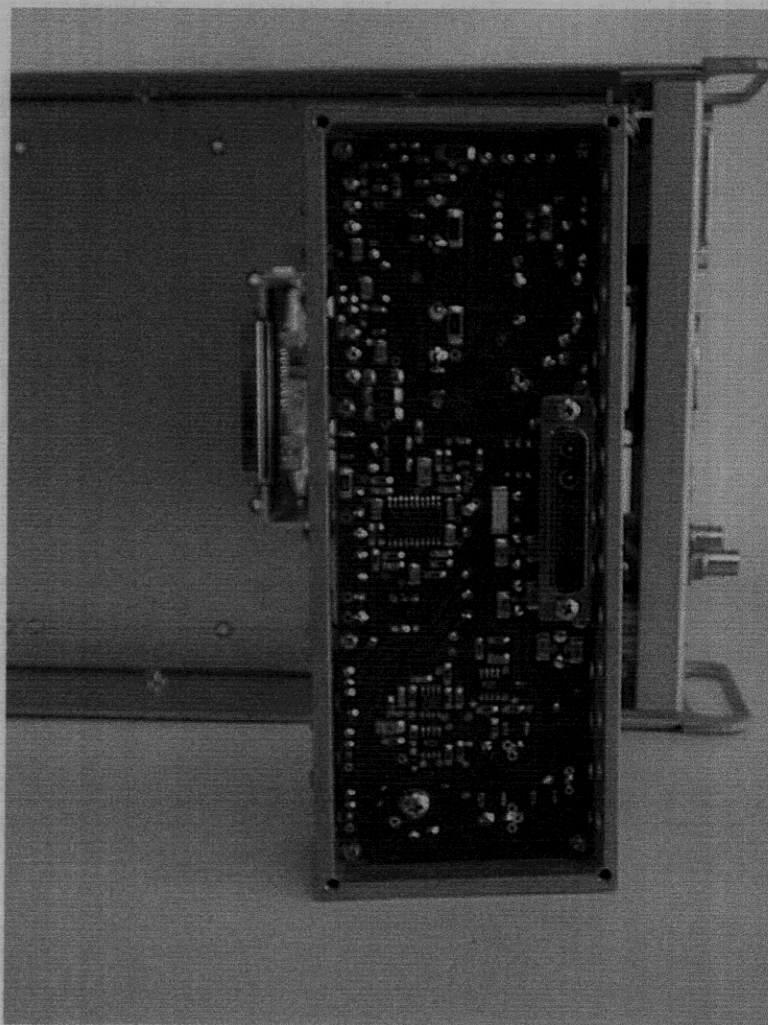
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	222

Figure 33. Top View of Power Supply Module (Removed)



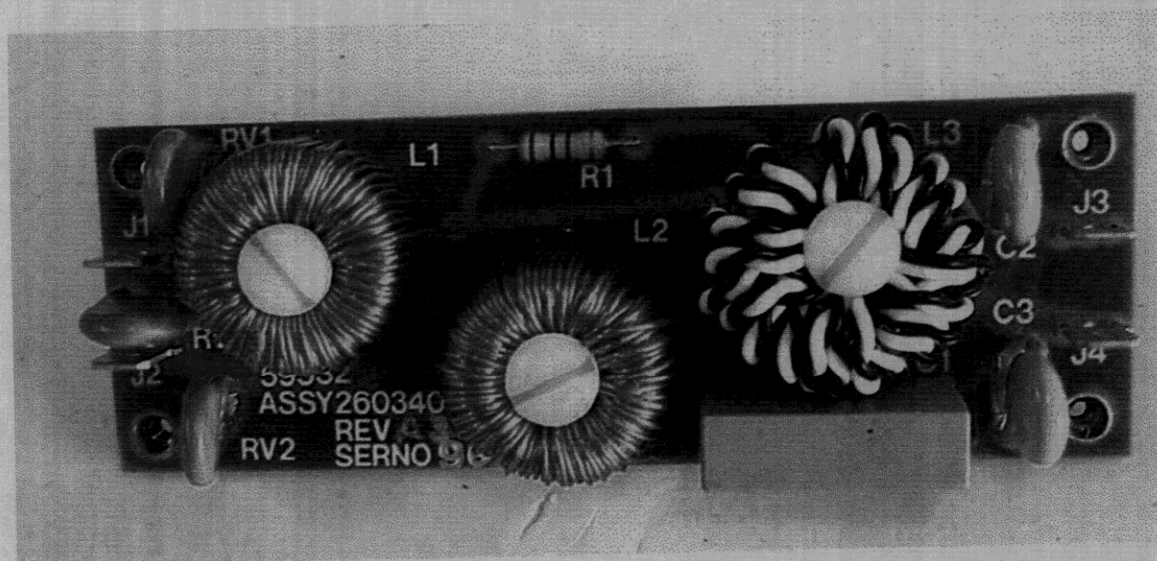
<i>Electromagnetic Engineering Services, Inc.</i>		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	223

Figure 34. Bottom View of Power Supply Module (Removed)

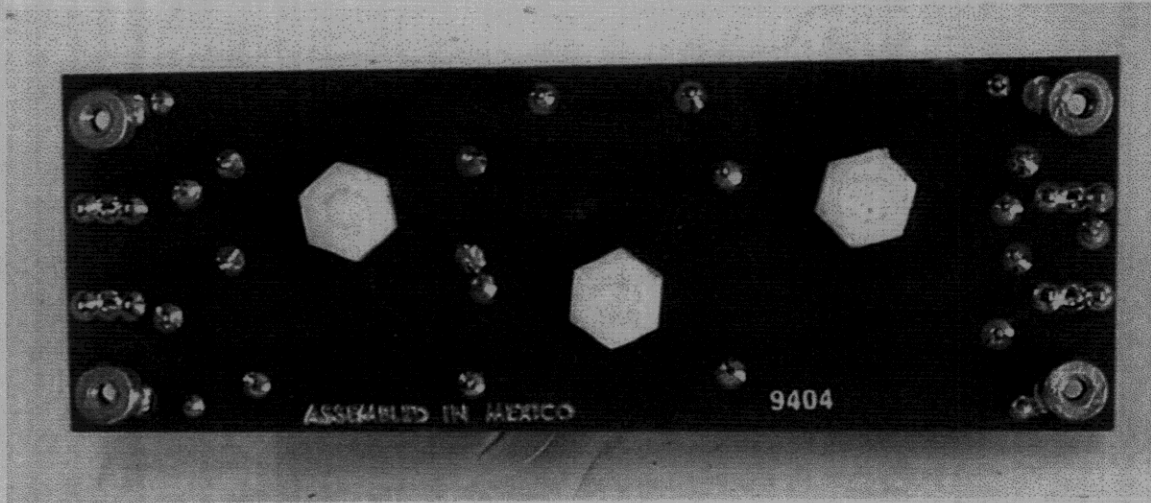


Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	224

Figure 35. Top View of AC Line Filter (Removed)

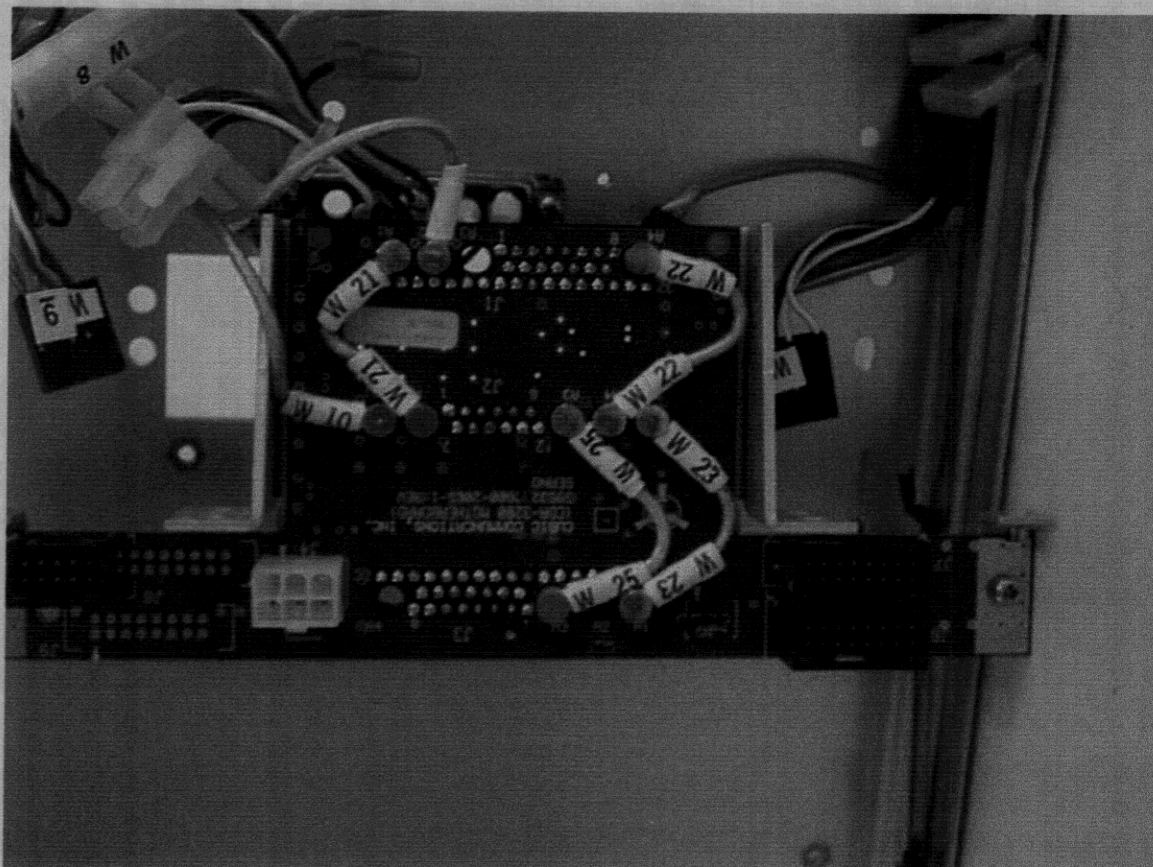


Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	225

Figure 36. Bottom View of AC Line Filter (Removed)

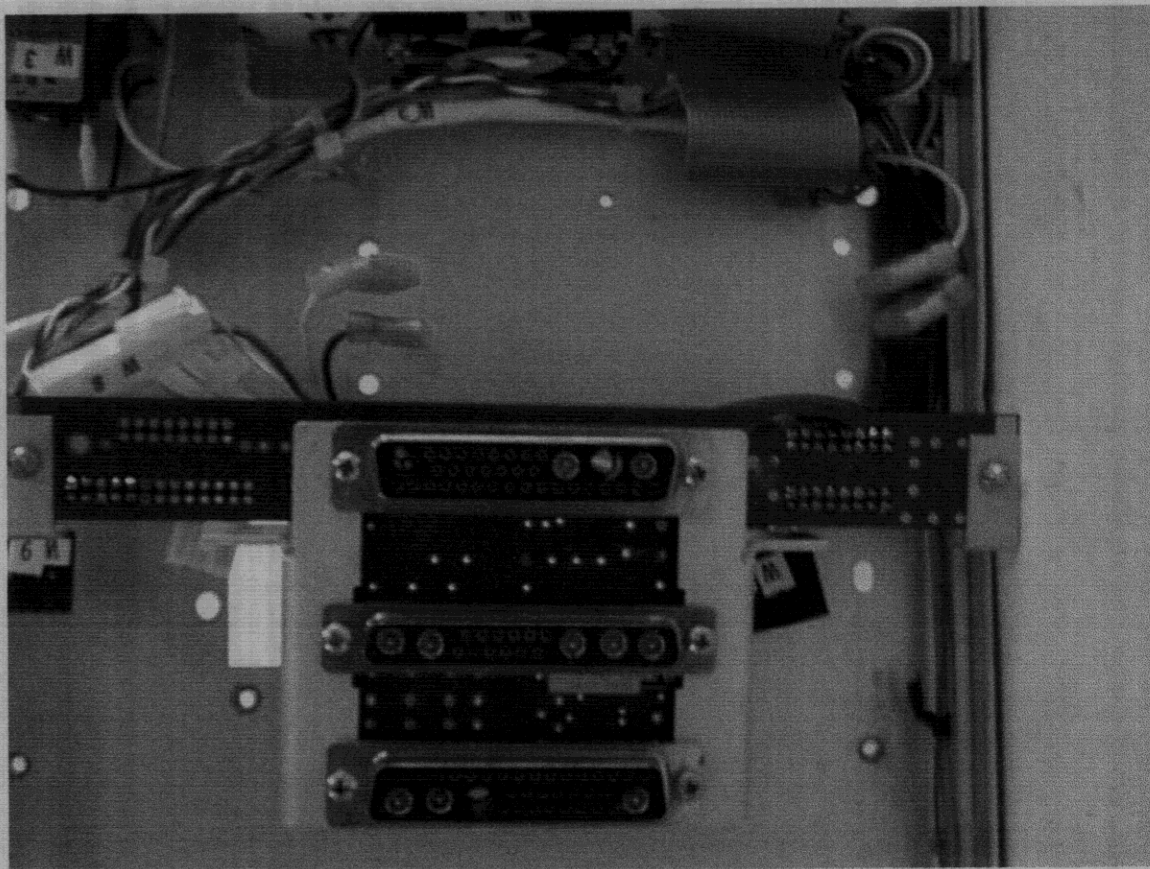
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSC TX-1000	226

Figure 37. Top View of T-4180 Motherboard



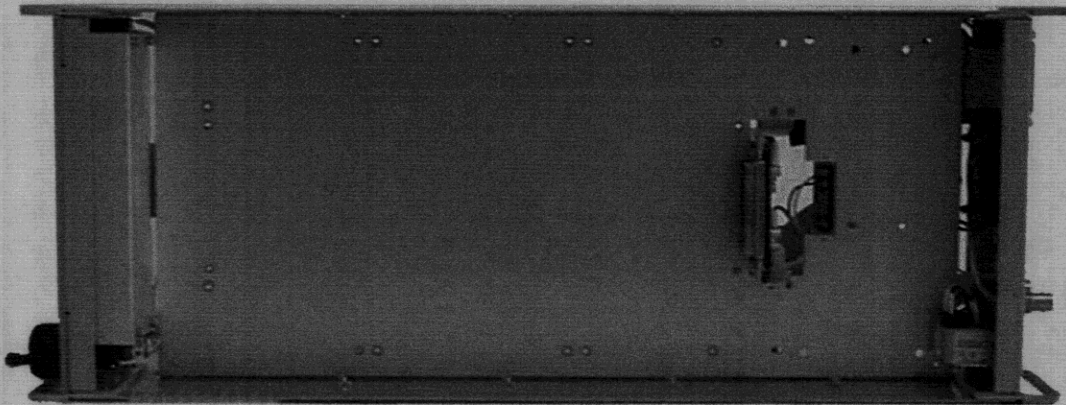
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	227

Figure 38. Bottom View of T-4180 Motherboard



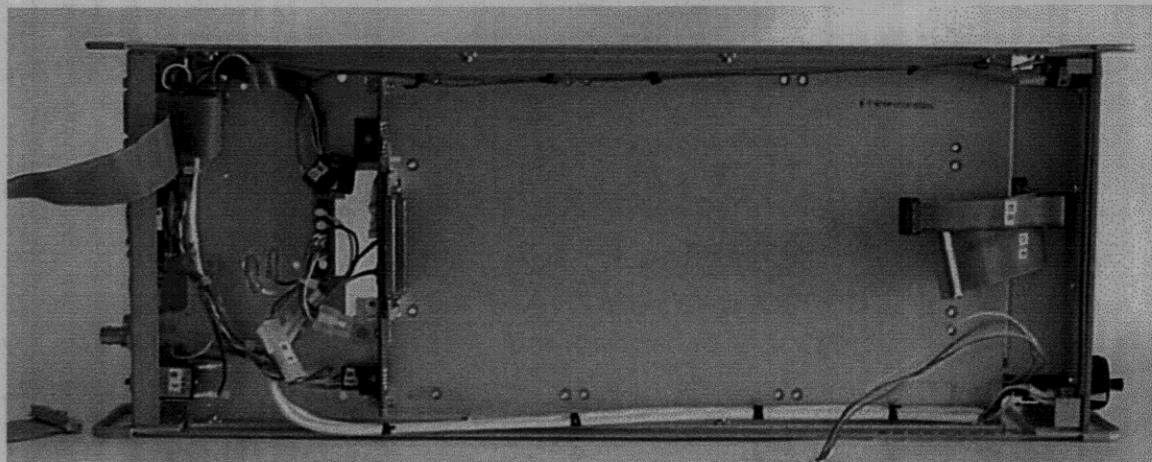
<i>Electromagnetic Engineering Services, Inc.</i>		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	228

Figure 39. Top View of T-4180 Chassis



<i>Electromagnetic Engineering Services, Inc.</i>		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	229

Figure 40. Bottom View of T-4180 Chassis

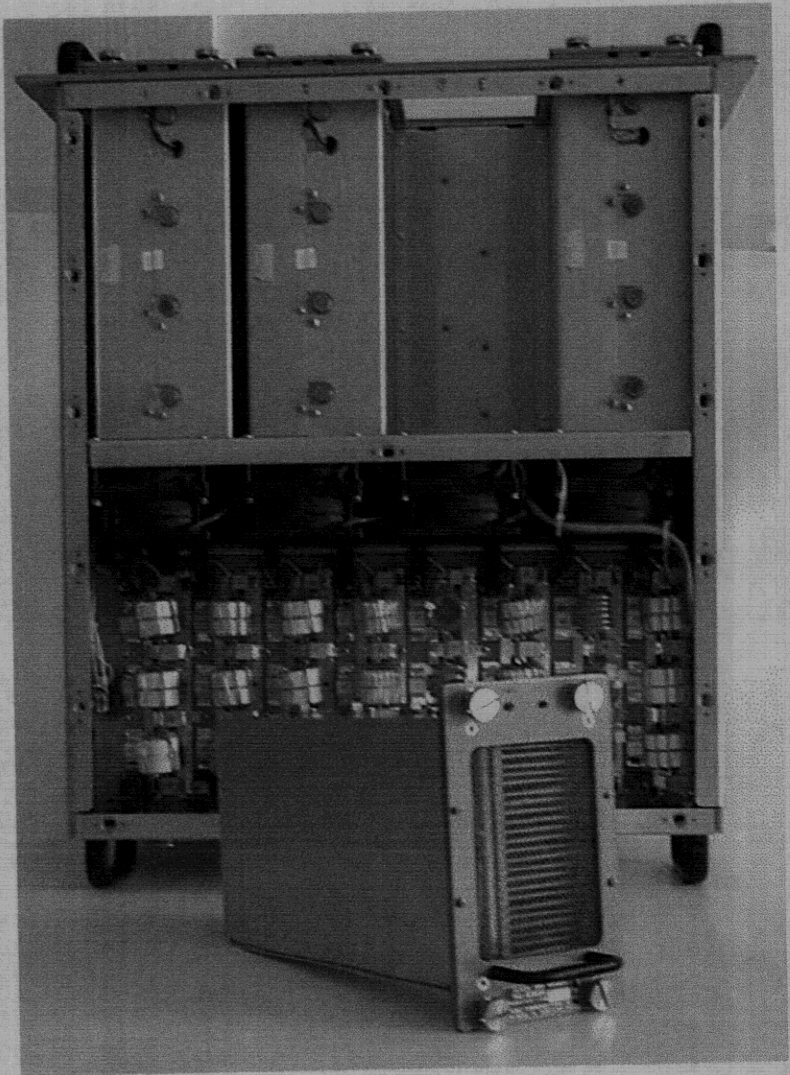


Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	232

Figure 43. PA-5050A With Top Cover Removed

Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	233

Figure 44. Front View of Power Amplifier Module (Removed)



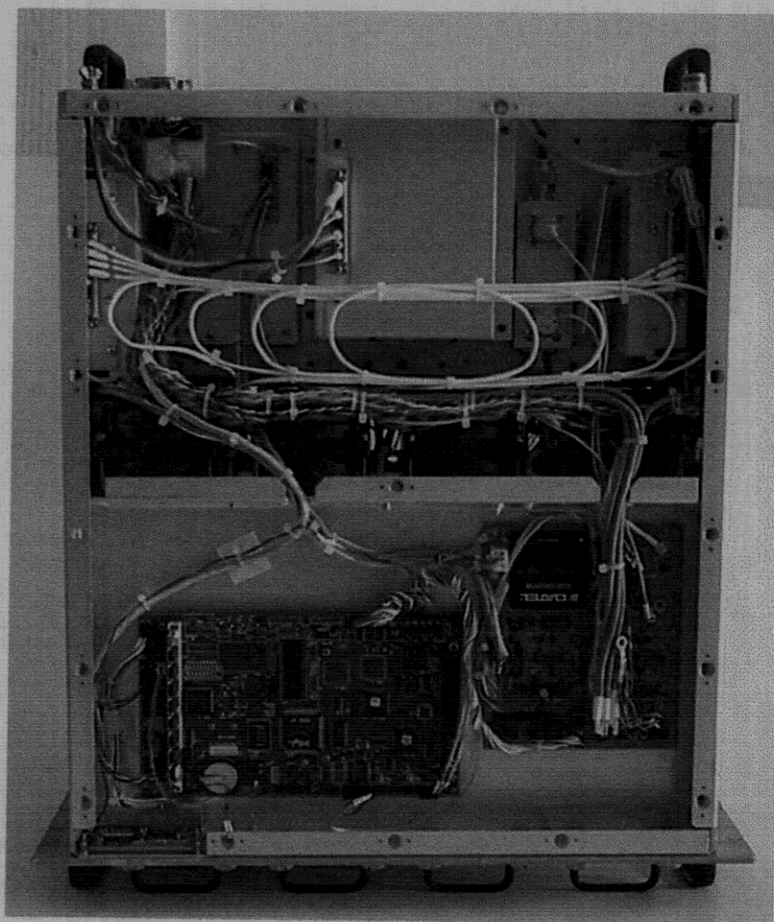
<i>Electromagnetic Engineering Services, Inc.</i>		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	234

Figure 45. Rear View of Power Amplifier Module (Removed)



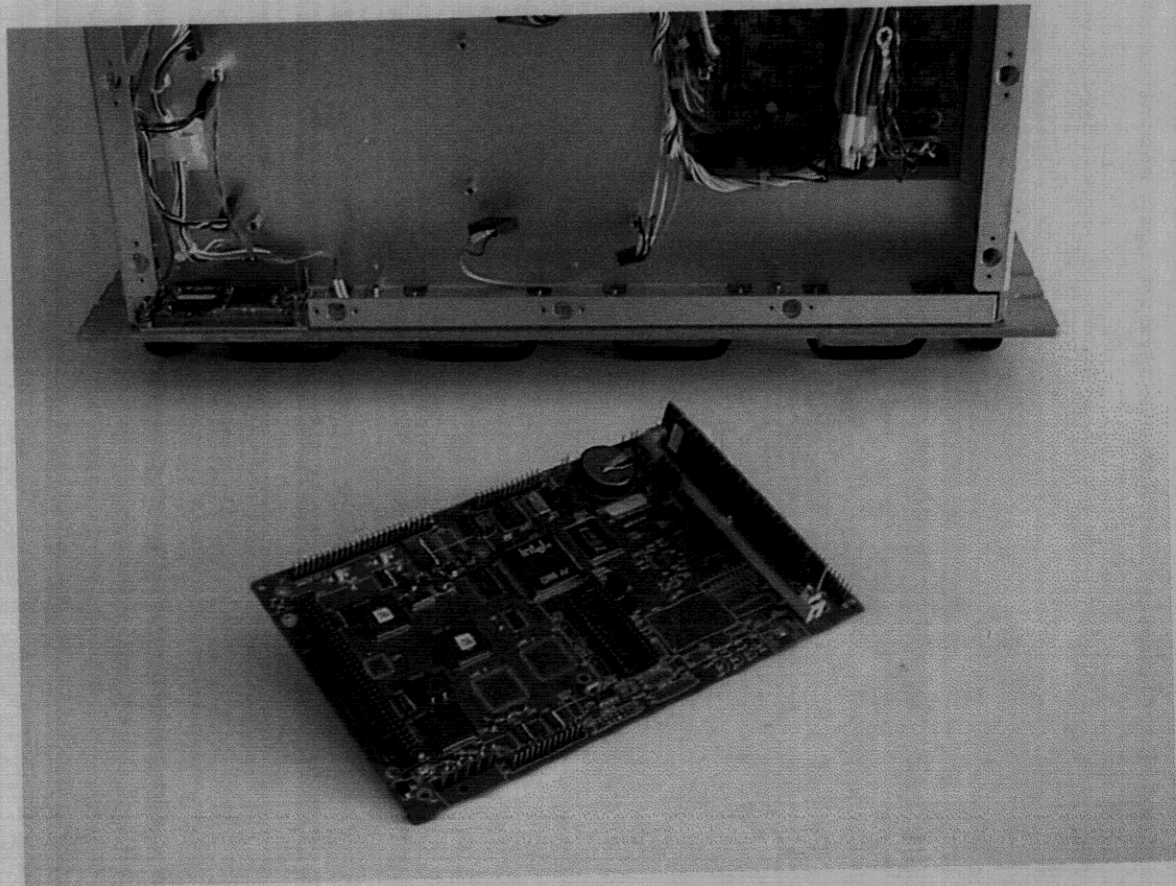
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	235

Figure 46. PA-5050A With Bottom Cover Removed



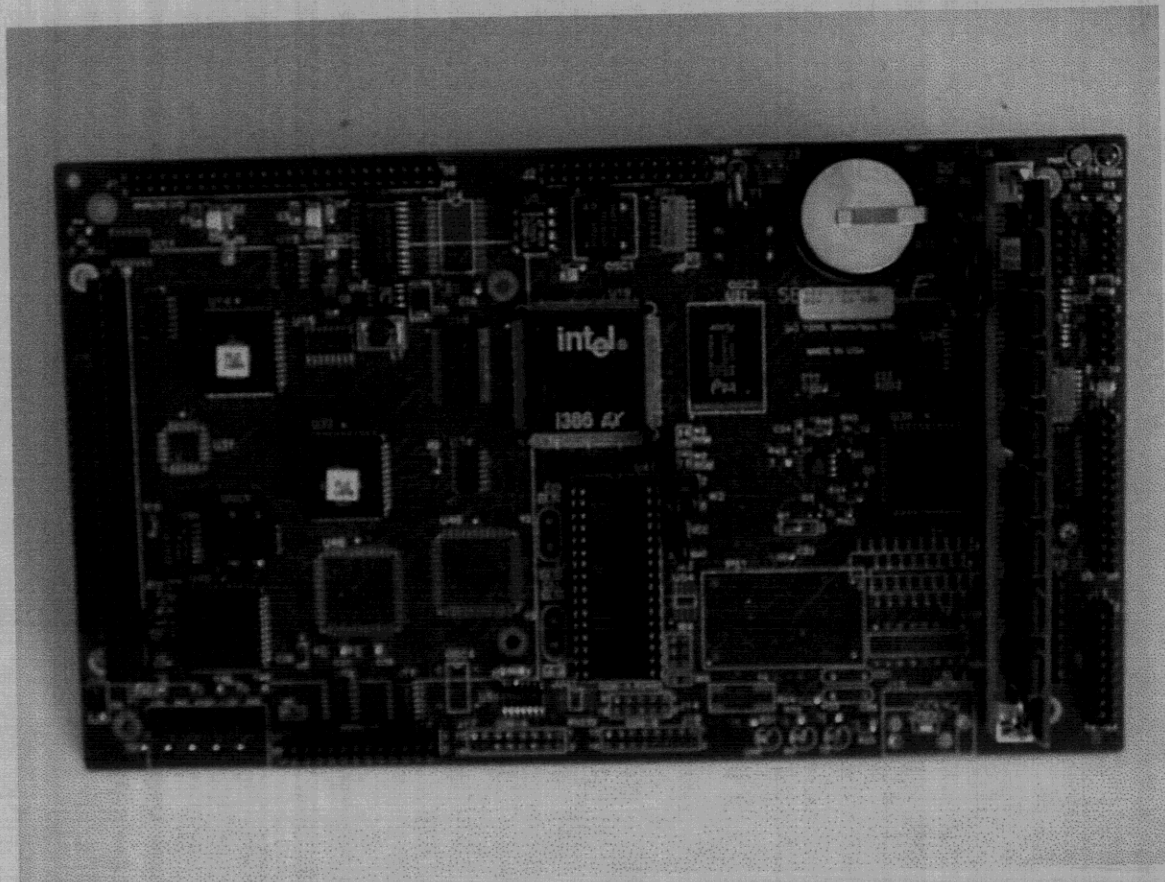
Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	236

Figure 47. CPU Board (Removed)



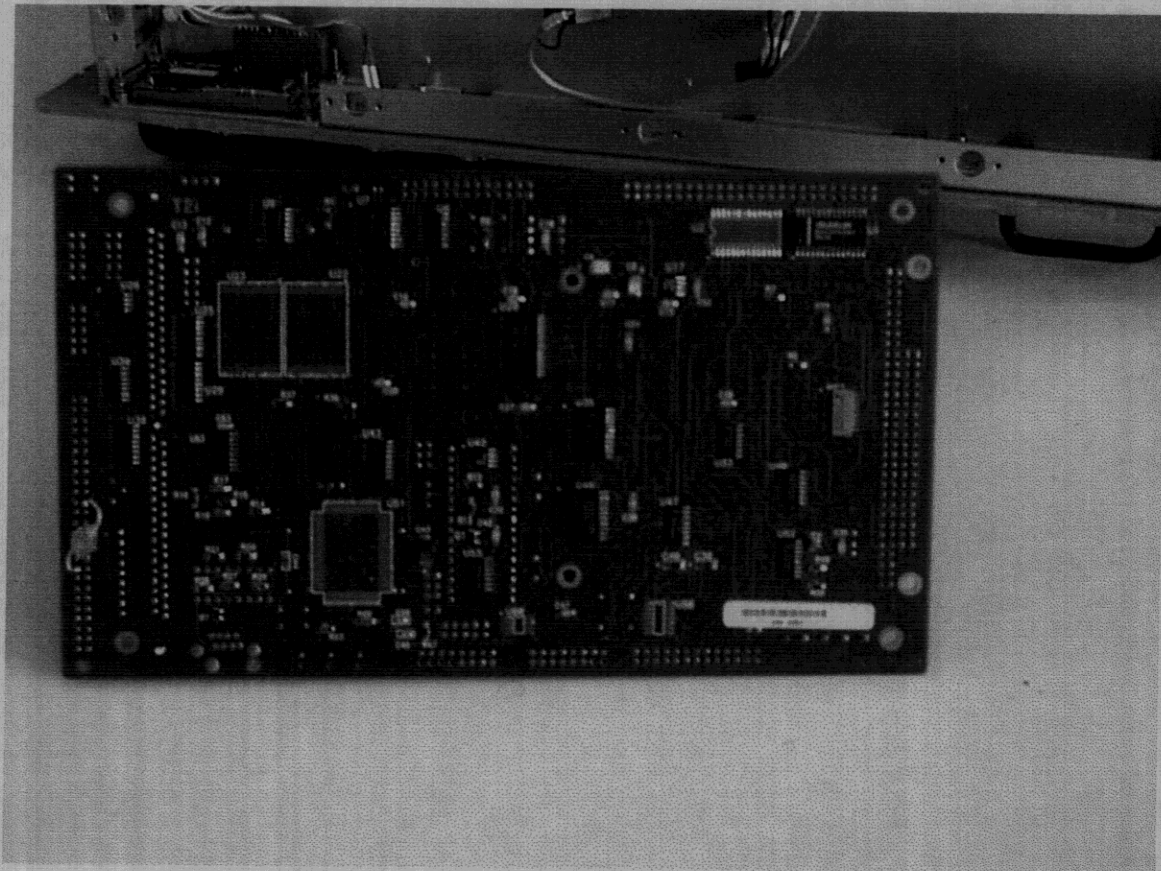
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	237

Figure 48. Front View of CPU Board



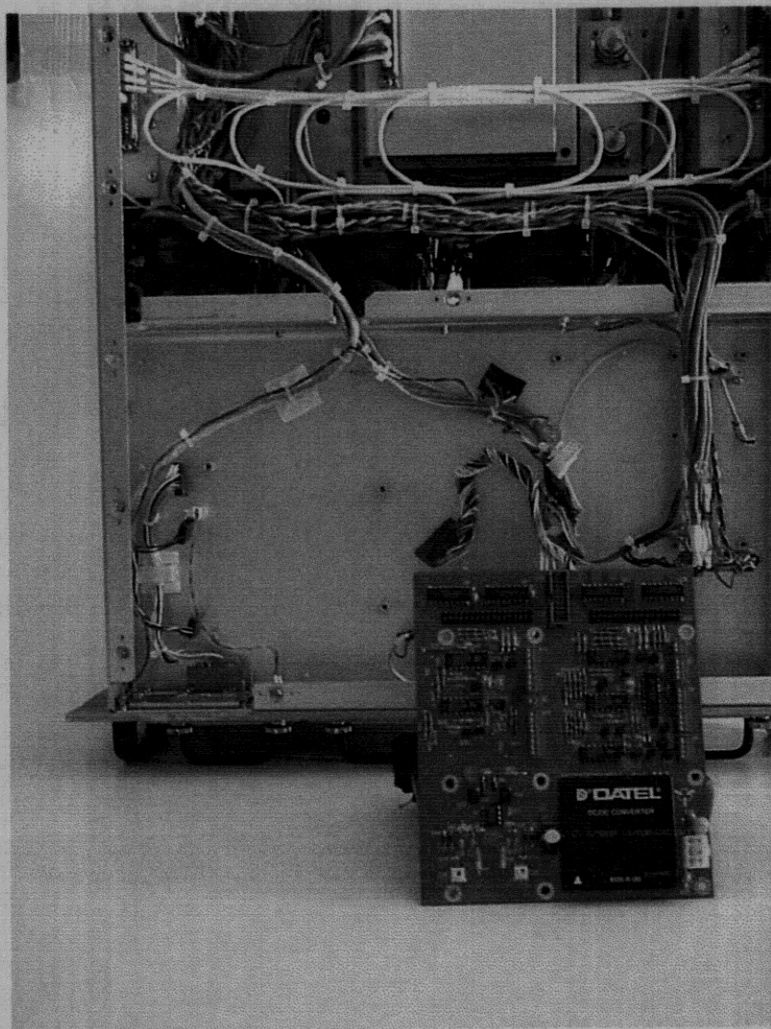
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	238

Figure 49. Rear View of CPU Board



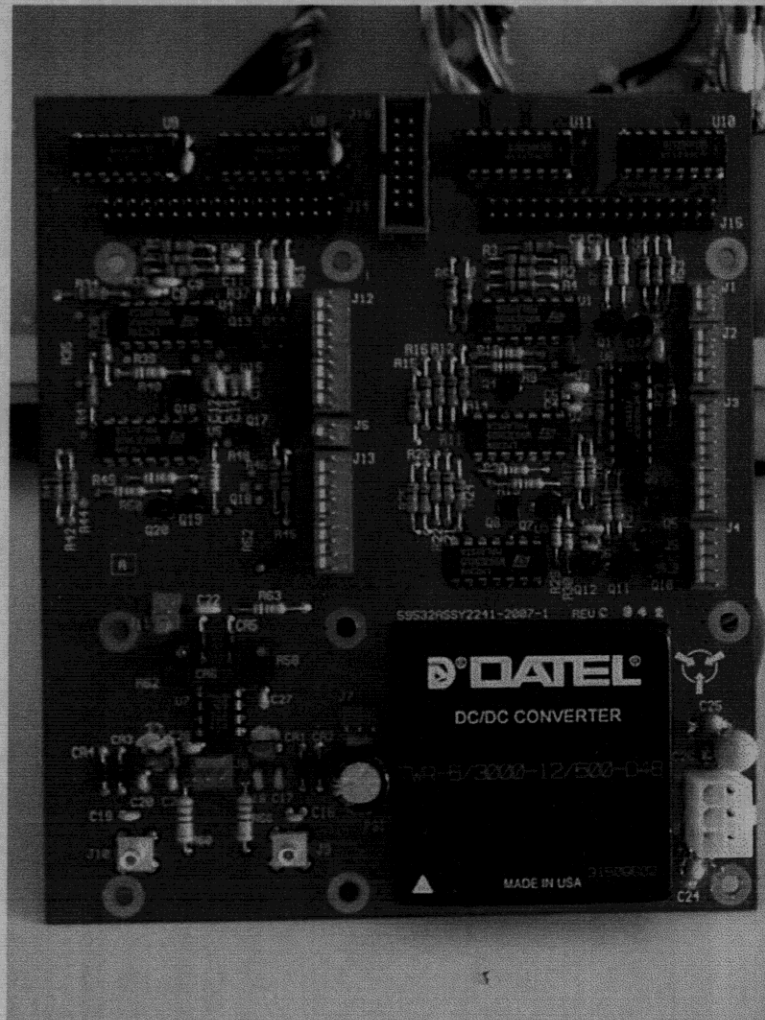
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	239

Figure 50. Relay Switch Board (Removed)

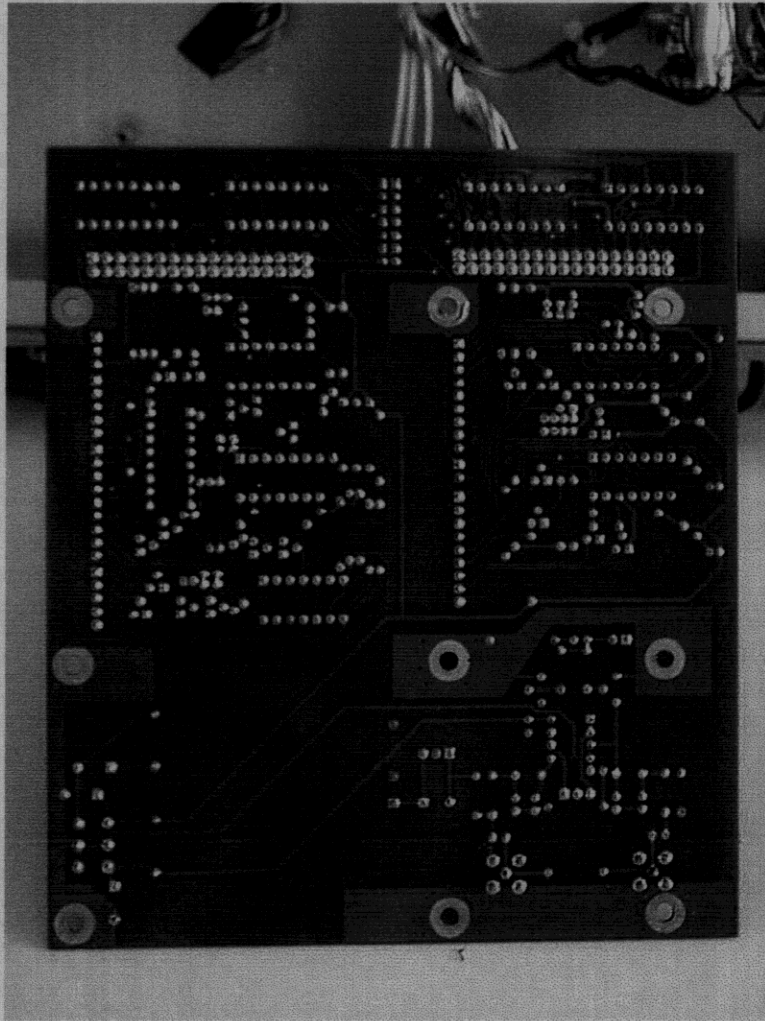


Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	240

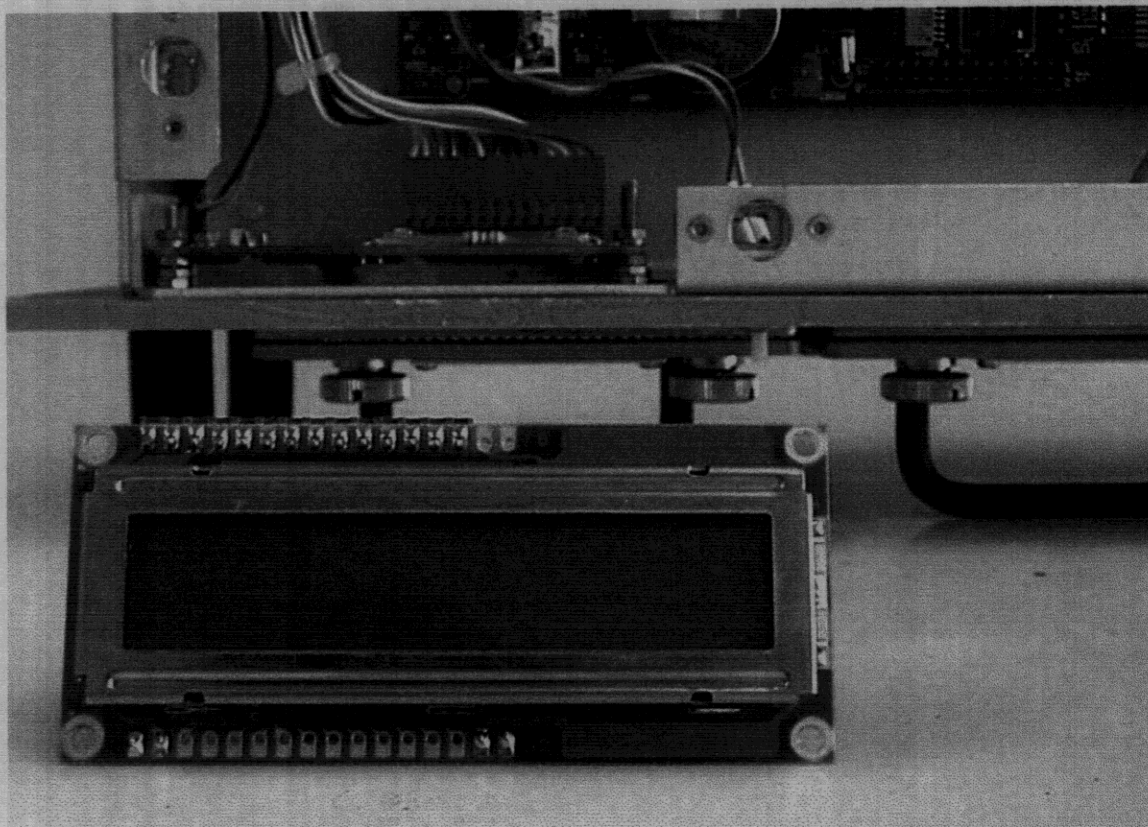
Figure 51. Front View of Relay Switch Board



Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	241

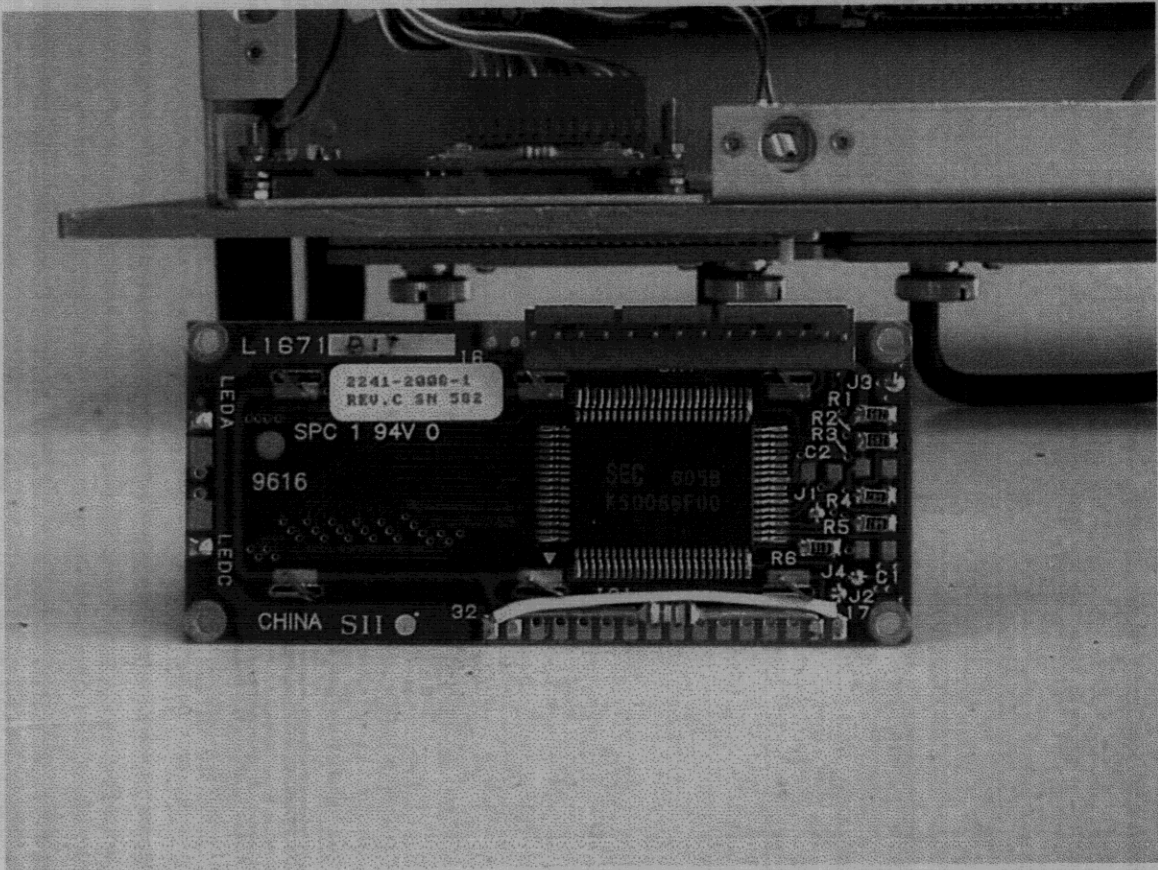
Figure 52. Rear View of Relay Switch Board

Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	242

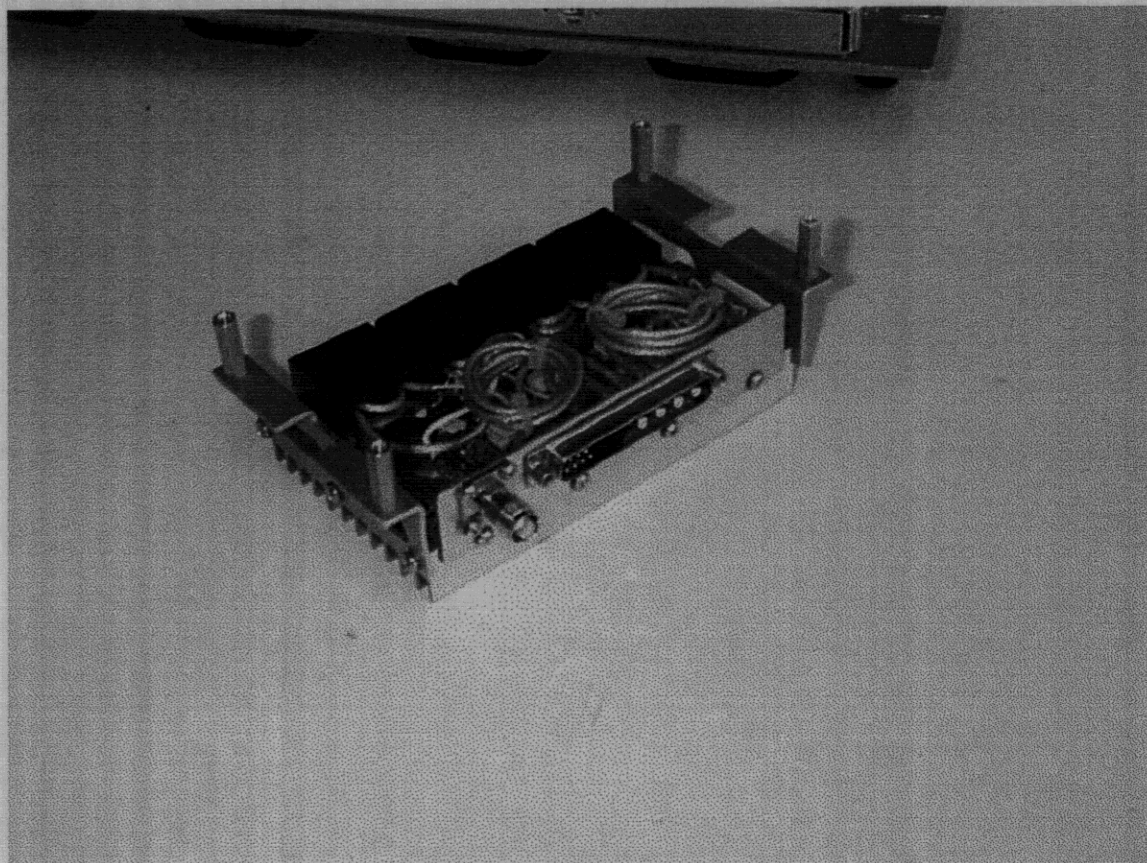
Figure 53. Front View of Display Board

Electromagnetic Engineering Services, Inc.			11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax		
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	243

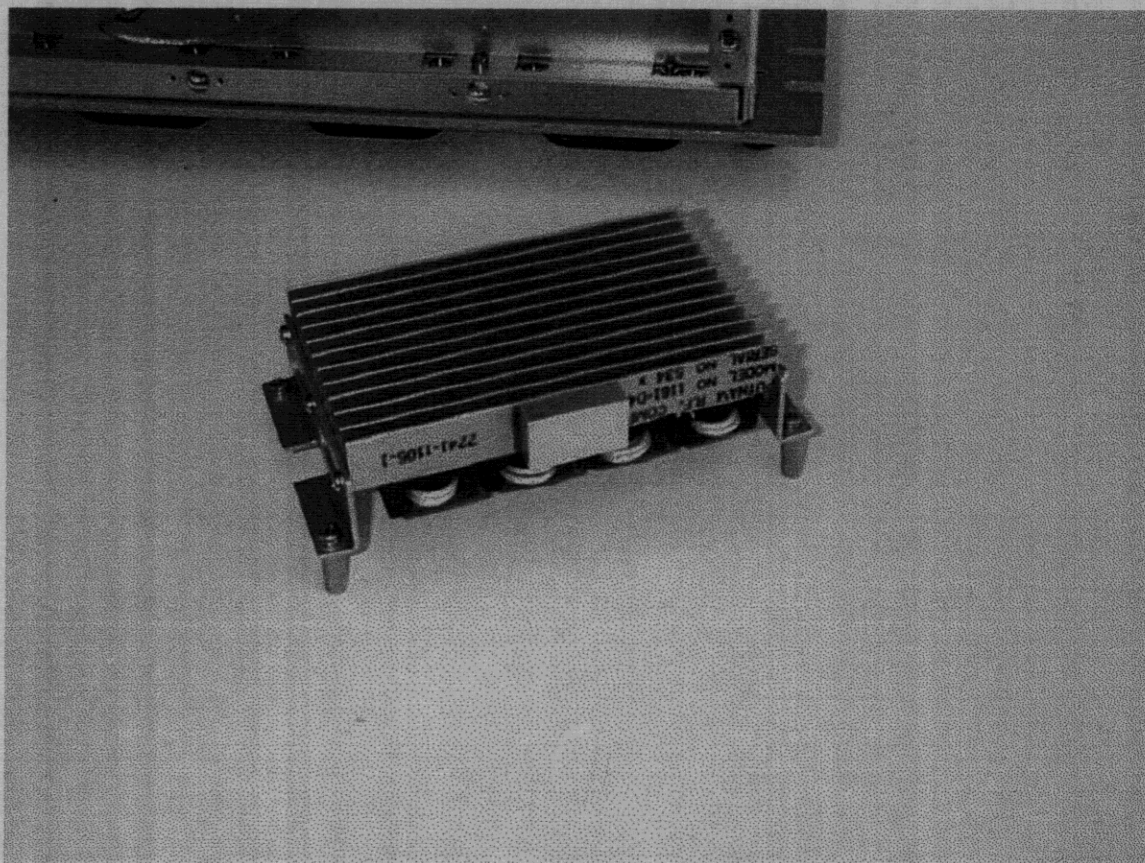
Figure 54. Rear View of Display Board



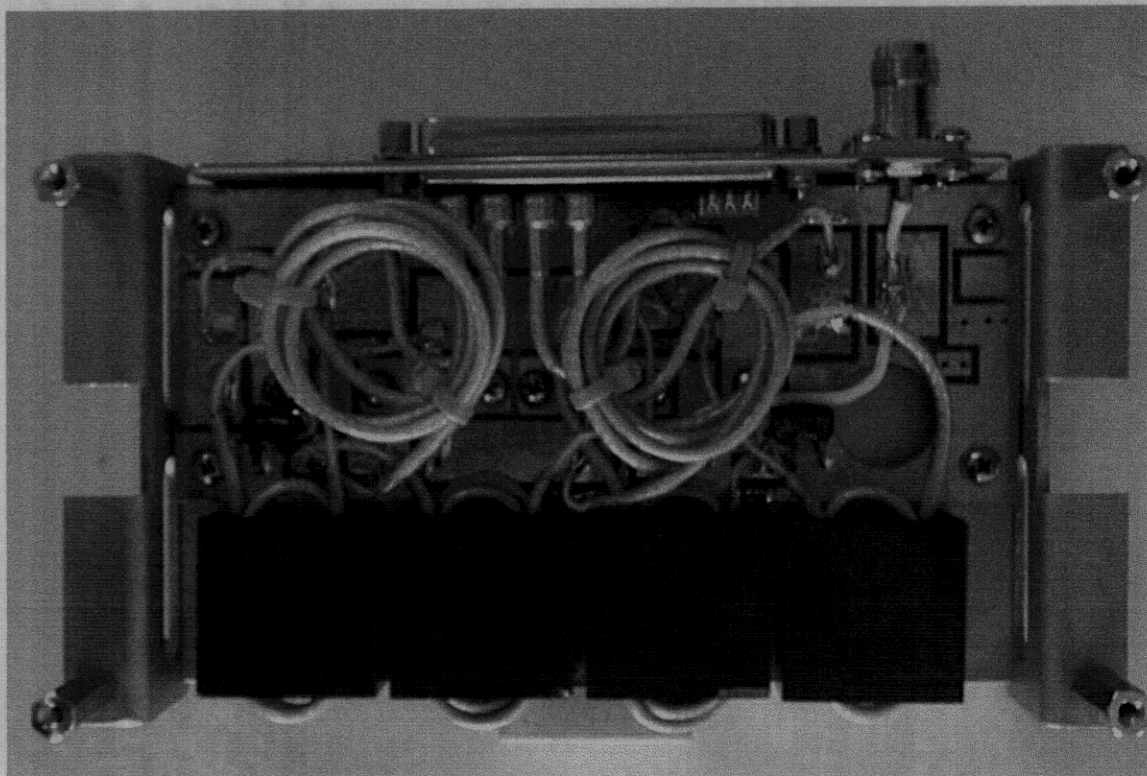
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	244

Figure 55. Combiner Assembly (Removed)

Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	245

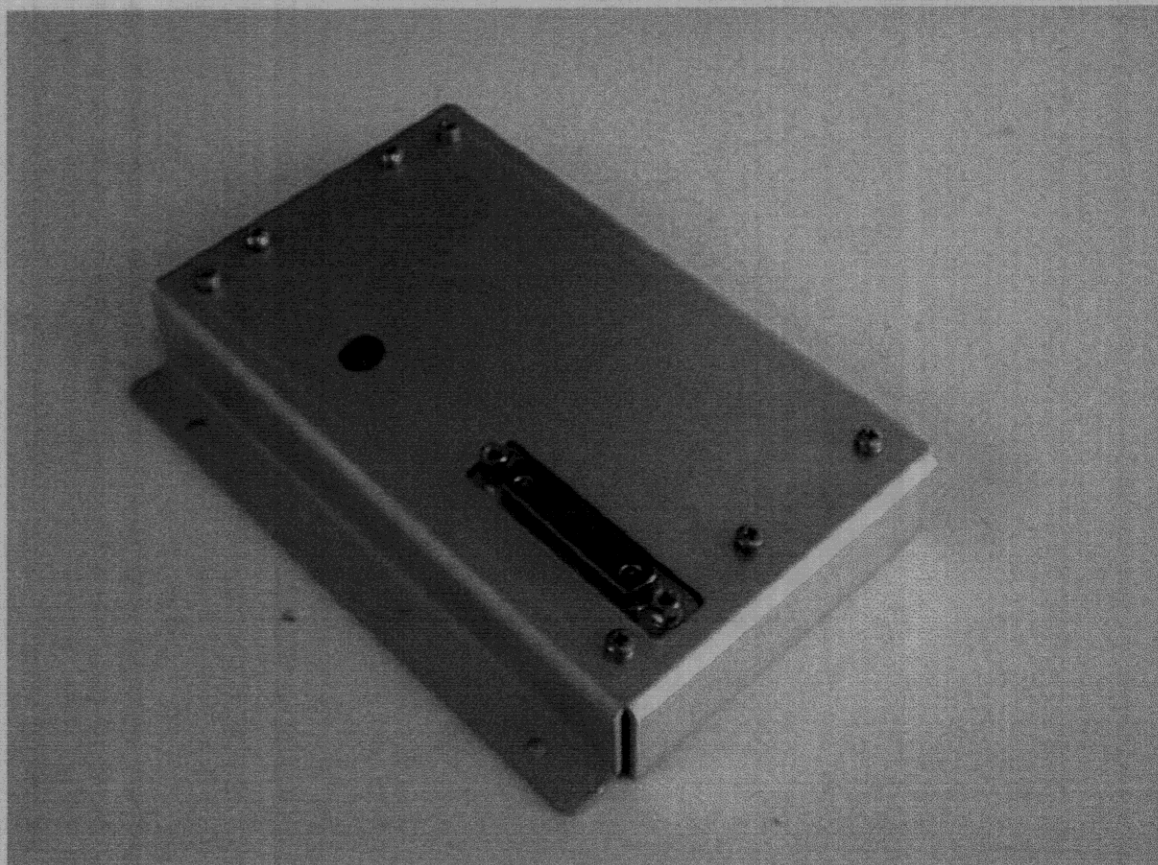
Figure 56. Bottom View of Combiner Assembly

Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCCTX-1000	246

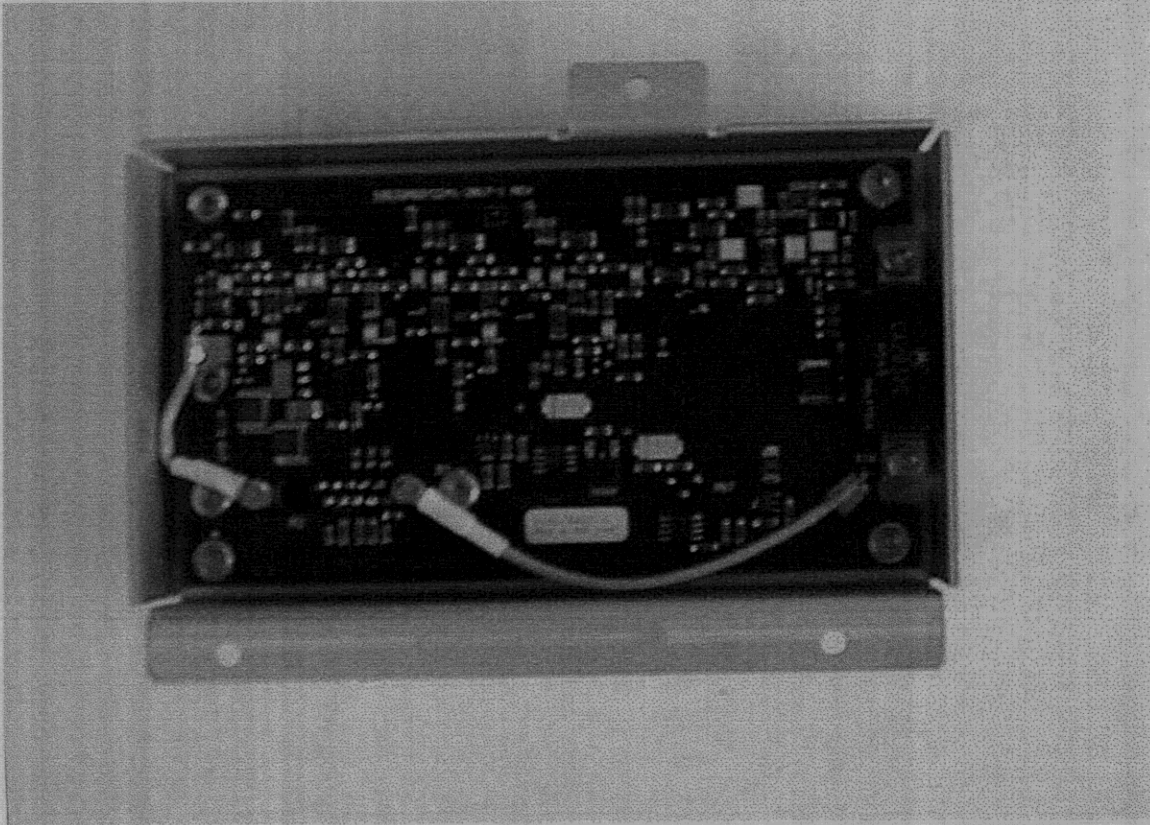
Figure 57. Top View of Combiner Assembly

Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	247

Figure 58. Top View of Pre-Driver Assembly (Removed)

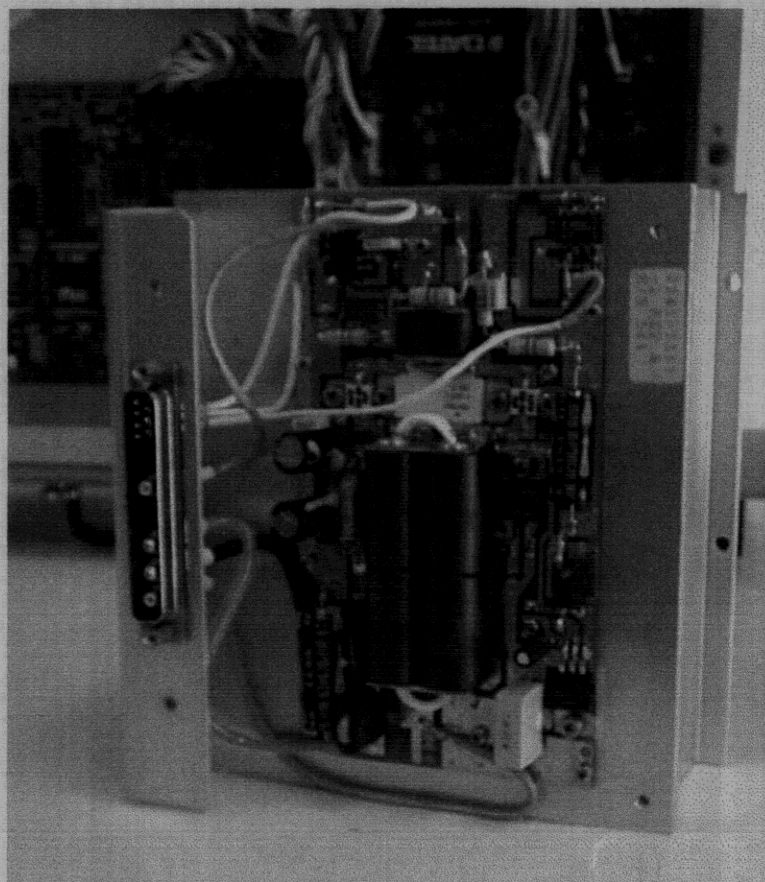


Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	248

Figure 59. Bottom View of Pre-Driver Assembly (Removed)

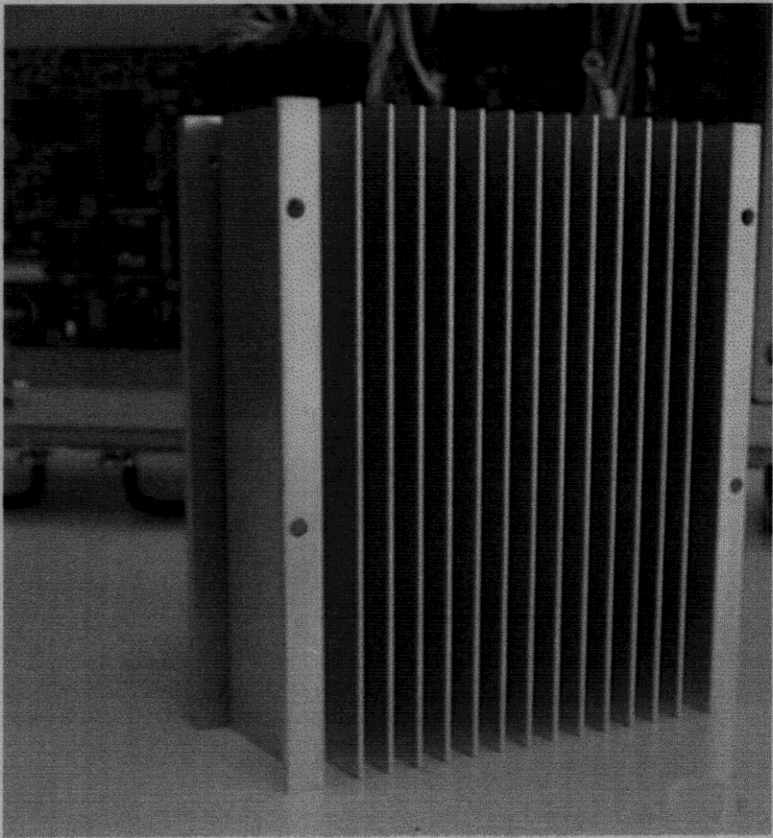
Electromagnetic Engineering Services, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	249

Figure 60. Top View of PA Driver Assembly (Removed)

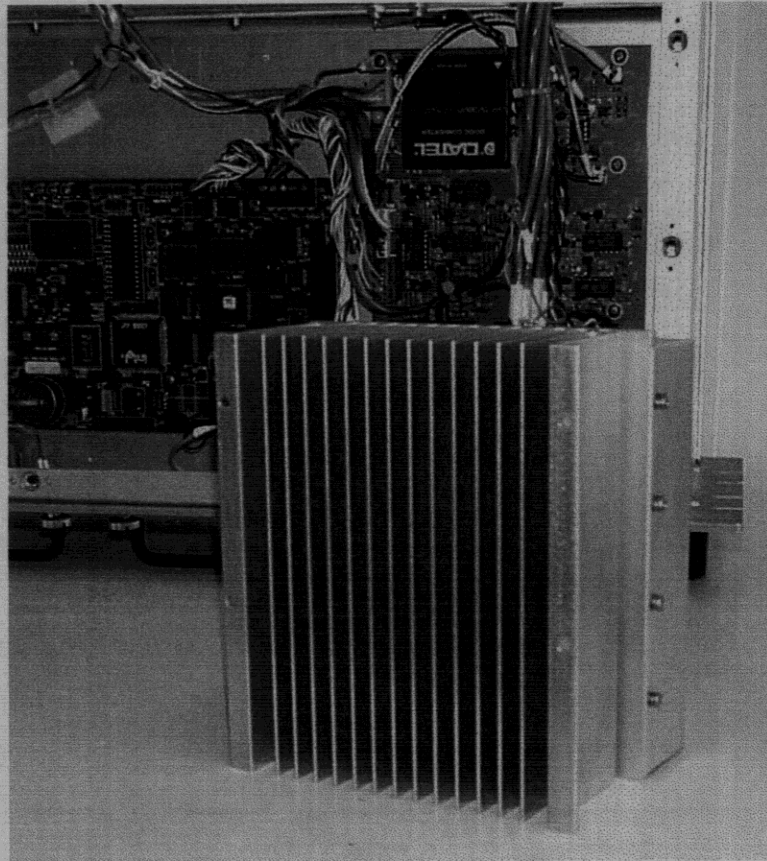


Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	250

Figure 61. End View of PA Driver Assembly (Removed)



Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	251

Figure 62. Side View of PA Driver Assembly (Removed)

<i>Electromagnetic Engineering Services, Inc.</i>		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 (619) 259-4940 Voice (619) 259-7170 Fax			
Revision	Date	Document Name	Document #	FCC ID#	Page #
A	4/13/98	Cubic Communications CTX-1000 Part 87 Type Acceptance Report	98-046	NVSCTX-1000	252

Figure 63. Top View of Splitter Assembly (Removed)

