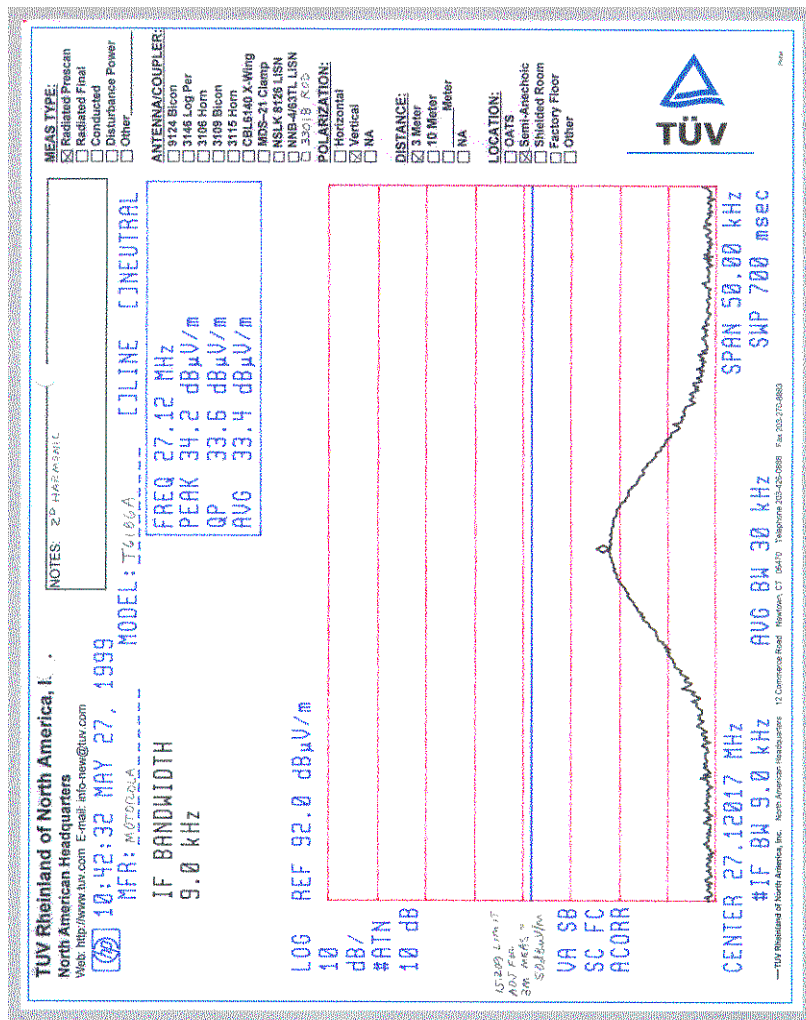


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7.5 SAR 27.120 MHz (Plot)



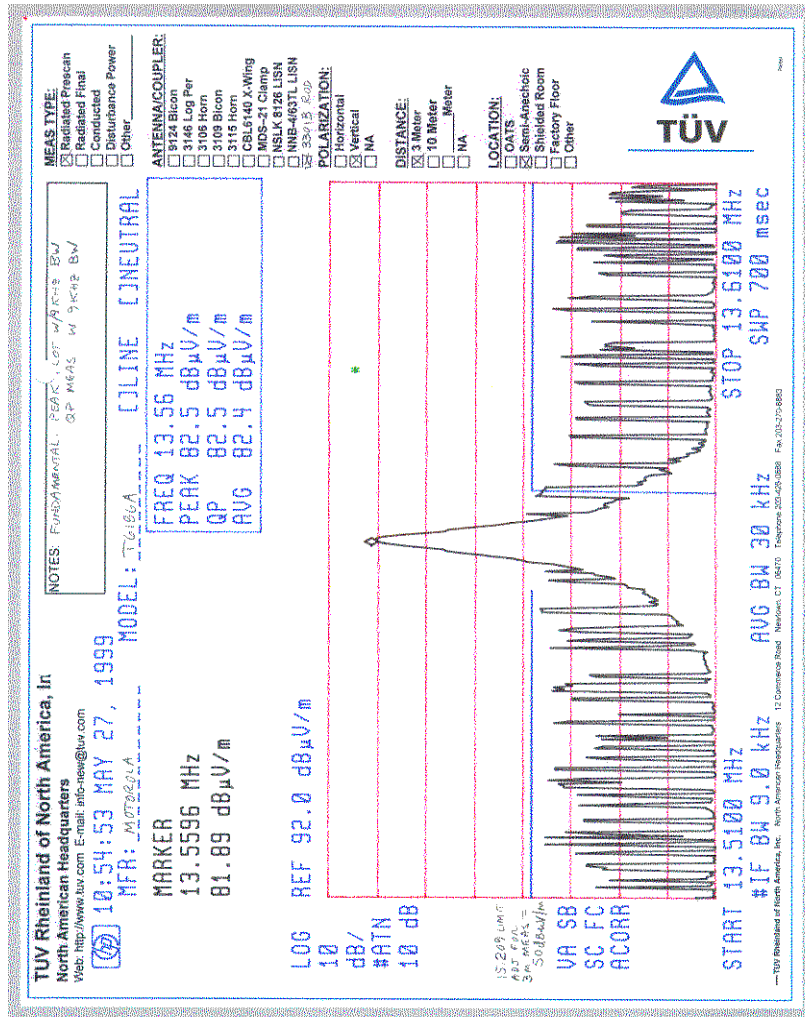
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7.6 SAR 13.56 MHz 9 kHz BW (Plot)



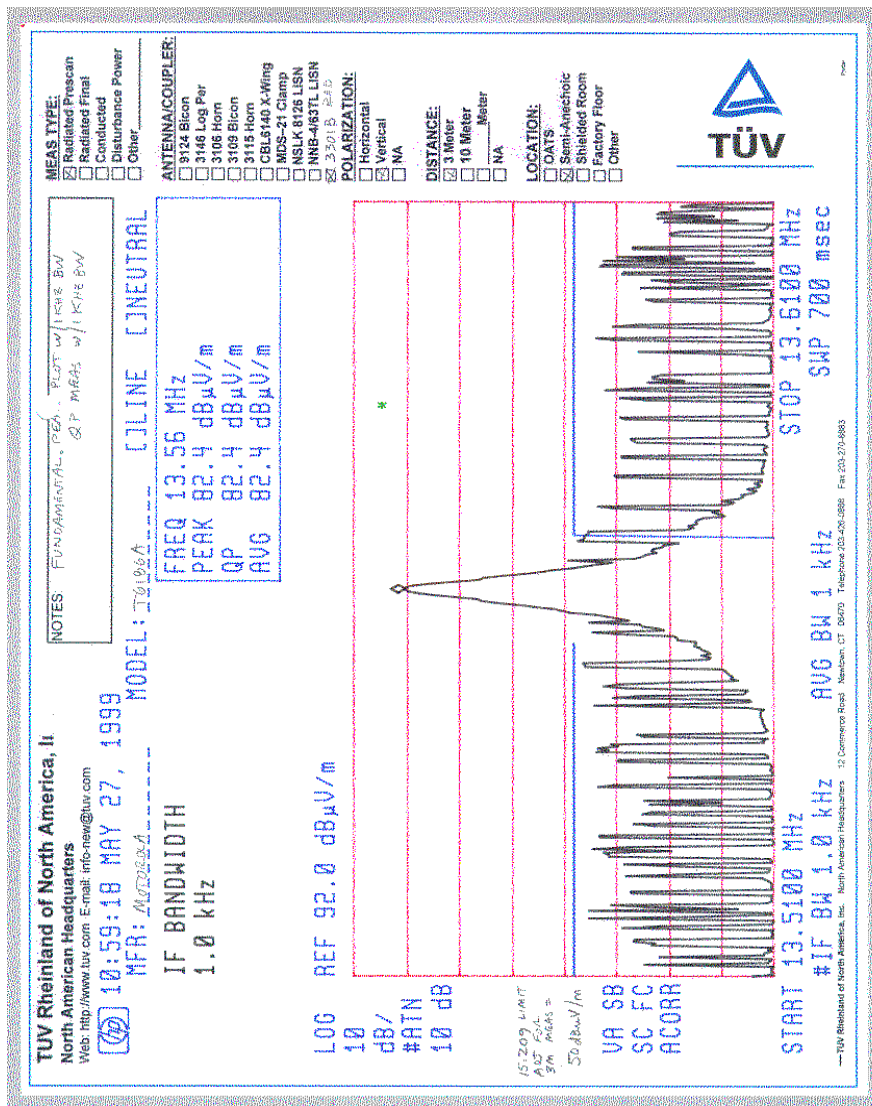
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7.7 SAR 13.56 MHz 1 kHz BW (Plot)



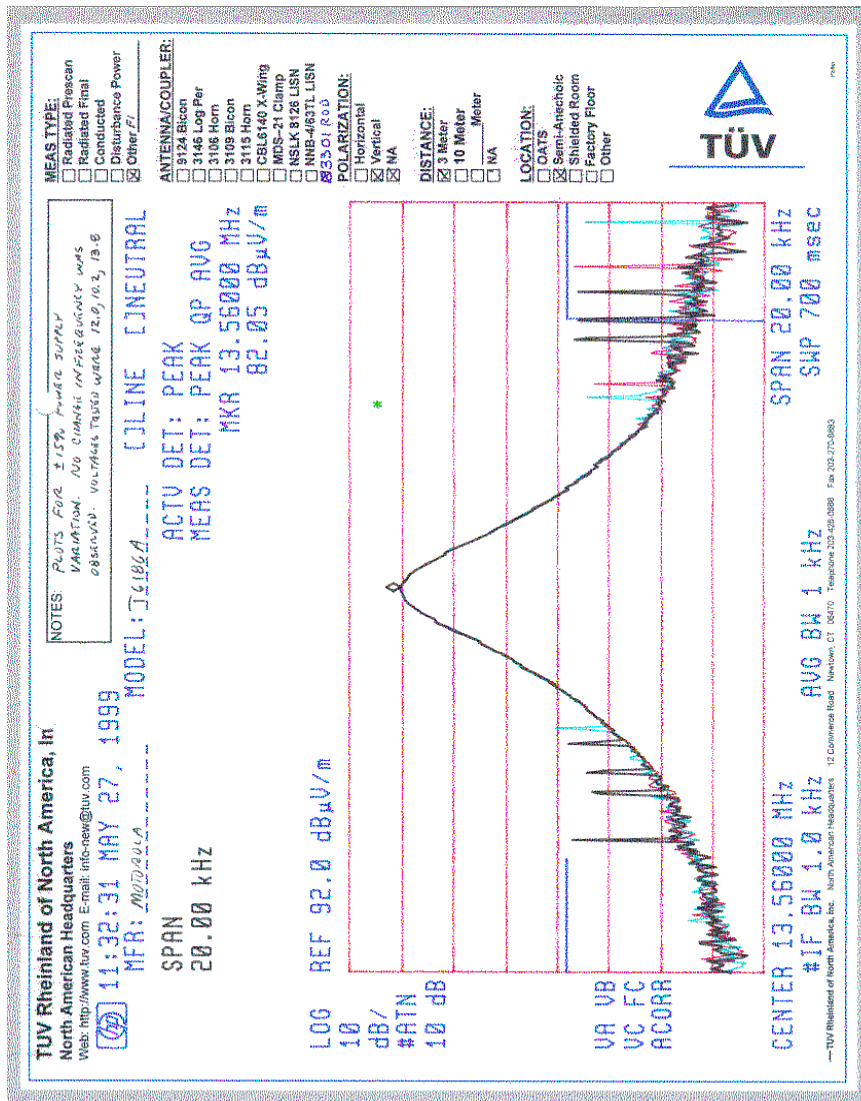
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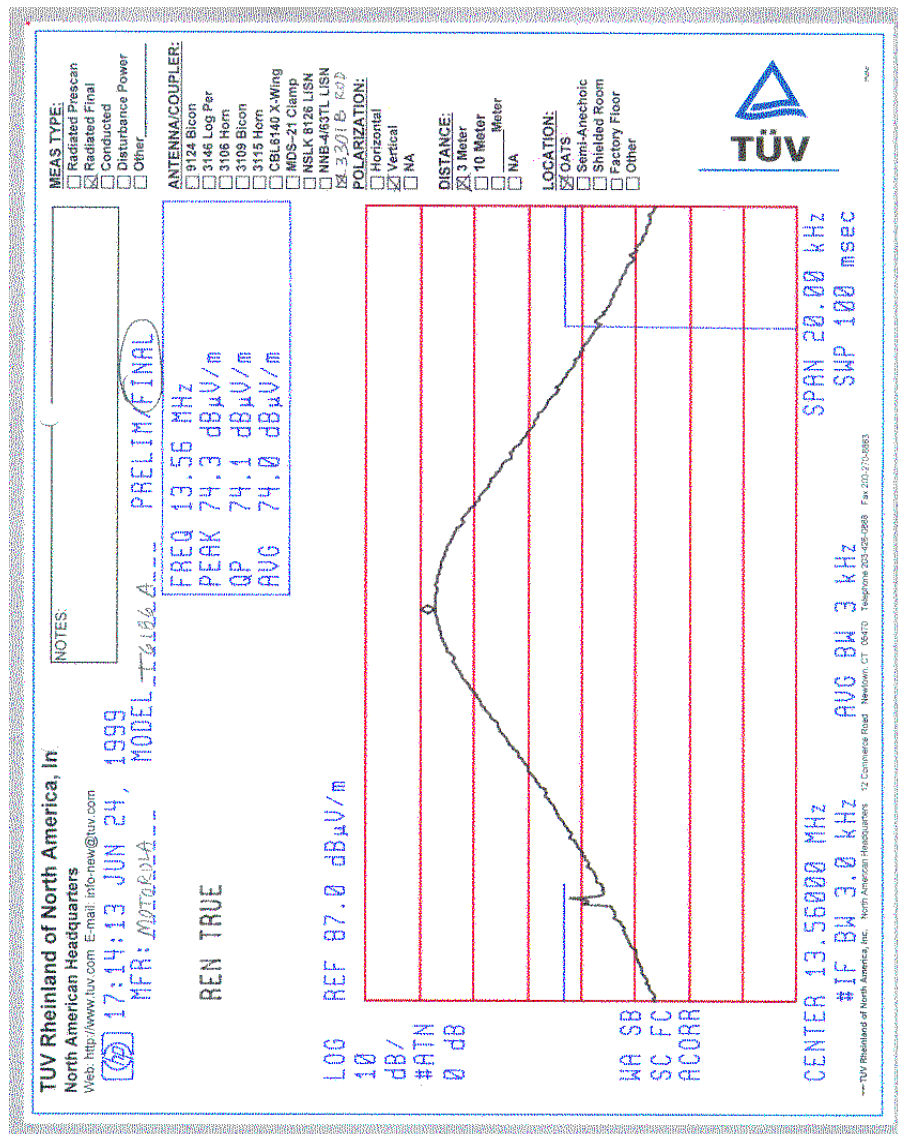
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7.8 SAR 13.56 MHz Frequency vs. Supply Voltage (Plot)



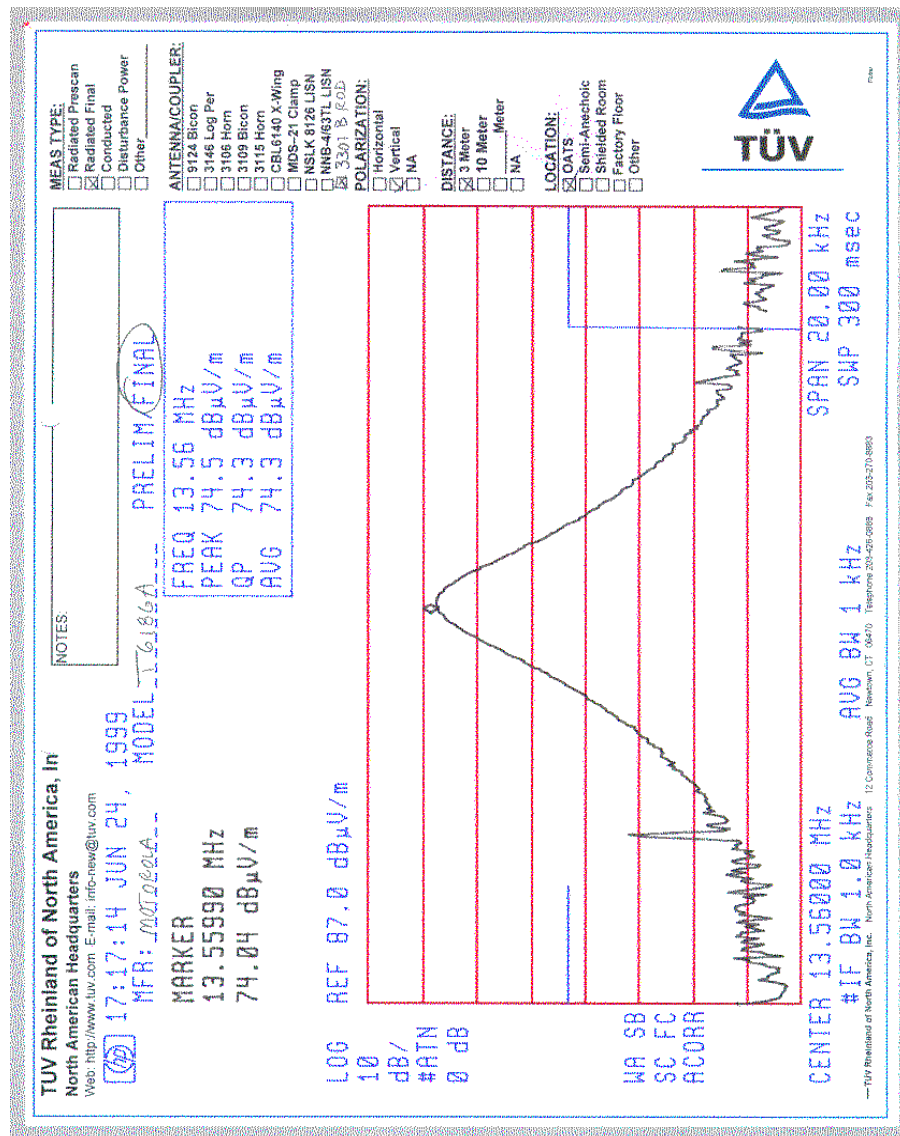
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7.9 OATS 13.56 MHz 3 kHz BW (Plot)



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7.10 OATS 13.56 MHz 1 kHz BW (Plot)



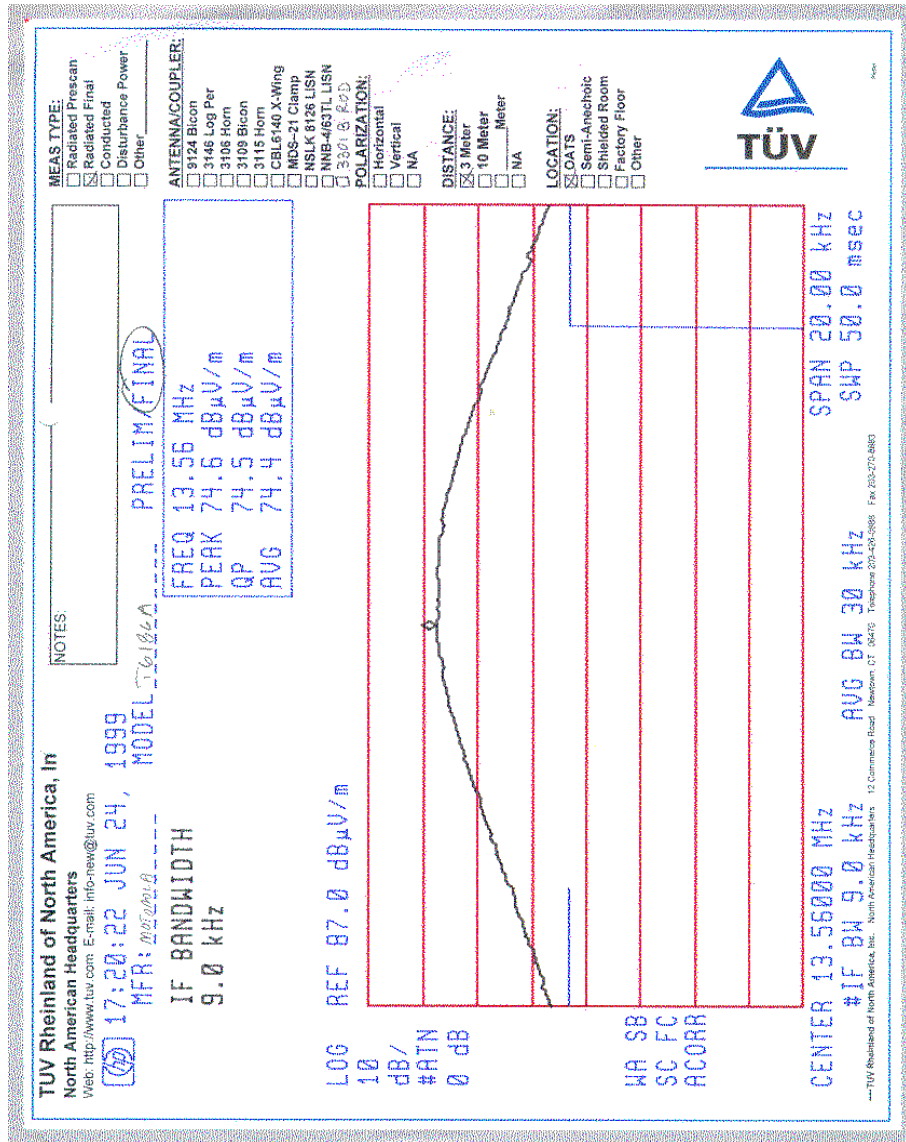
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7.11 OATS 13.56 MHz 9 kHz BW (Plot)



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7.12 SAR Radiated Emissions (Table)

Radiated Emissions Measurements Standard: 47 CFR 15.109, Class B (1995)				PRESCAN or FINAL:		Prescan			
Device Tested:		Motorola T6186A		Distance:	3 m		Date/Time:	5/26/99 16:00	
							File:	99052601.xls	

7.13 OATS Radiated Emissions (Table)

Radiated Emissions Measurements				PRESCAN or FINAL: Final								
Standard: 47 CFR 15.109, Class B (1995)				Distance: 3 Meter				Date/Time:	5/28/99 13:35			
Device Tested: Motorola T6186A								File:	99052801.xls			
Meas #	Freq (MHz)	Peak	Quasi-Peak	Average	Quasi-Peak Limit	Quasi-Peak Δ	Antenna + Cable Correction Factor (included in measured levels)	Result	Polarization	Antenna Height	Angle	Comment
Measured Level												
1	33.8376	37.79	27.77	13.72	40.00	-12.23	12.97	Complied	V	333	164	
2	35.2159	37.30	26.11	11.20	40.00	-13.89	12.77	Complied	H	278	402	
3	36.3110	33.97	17.09	13.54	40.00	-22.91	12.63	Complied	V	142	141	
4	40.6864	33.95	20.89	7.48	40.00	-19.11	12.15	Complied	V	249	184	
5	40.6768	35.72	31.23	29.79	40.00	-8.77	12.15	Complied	H	289	314	
6	73.7256	39.48	28.95	6.06	40.00	-11.05	10.57	Complied	V	378	331	
7	94.9211	31.12	26.15	25.33	43.50	-17.35	11.26	Complied	V	121	278	
8	110.5871	29.23	20.16	14.92	43.50	-23.34	12.10	Complied	V	110	190	
9	122.0283	26.05	16.83	9.12	43.50	-26.67	12.57	Complied	V	114	110	
10	122.0369	32.79	20.86	1.77	43.50	-22.84	12.57	Complied	H	402	287	
11	149.1530	20.04	10.98	3.06	43.50	-32.52	14.11	Complied	V	123	174	
12	221.1745	20.52	14.57	7.65	46.00	-31.43	17.96	Complied	V	122	258	
13	338.9948	19.41	12.90	6.23	46.00	-33.10	17.36	Complied	H	209	271	
14	339.0000	19.93	12.79	6.14	46.00	-33.21	17.36	Complied	V	279	271	
15	393.2363	21.81	15.06	8.36	46.00	-30.94	18.91	Complied	H	260	153	
16	433.9118	20.48	15.53	8.74	46.00	-30.47	19.90	Complied	H	170	175	
17	433.9256	20.99	15.52	8.88	46.00	-30.48	19.90	Complied	V	252	249	
18	515.2778	22.47	16.79	10.13	46.00	-29.21	22.10	Complied	V	405	310	
19	515.2796	22.73	16.83	10.16	46.00	-29.17	22.10	Complied	H	401	211	
20	718.6763	27.81	21.91	15.31	46.00	-24.09	26.21	Complied	H	300	232	
21	935.6505	31.75	25.93	19.55	46.00	-20.07	29.30	Complied	H	230	211	
Tested by: D. Panchal												
FIM, Highland of North America, Inc. 12 Commerce Road, Newtown, CT 06470 Tel: (203) 270-1151 Fax: (203) 270-9992												

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7.14 Frequency vs. Temperature (Table)

Motorola T6186A Frequency vs. Temperature									
Temperature °C	Time	Frequency (MHz)	Δ freq meas (MHz)	Δ freq spec (MHz)	% Δ Meas	% Δ Spec	Result		
20	10:38	13.560000	0.000000	0.001356	0%	0.01%	Pass		
20	10:39	13.560005	-0.000005	0.001356	-0.000037%	0.01%	Pass		
20	10:40	13.560007	-0.000007	0.001356	-0.000052%	0.01%	Pass		
20	10:41	13.560008	-0.000008	0.001356	-0.000059%	0.01%	Pass		
20	10:42	13.560009	-0.000009	0.001356	-0.000066%	0.01%	Pass		
20	10:43	13.560009	-0.000009	0.001356	-0.000066%	0.01%	Pass		
20	10:44	13.560009	-0.000009	0.001356	-0.000066%	0.01%	Pass		
20	10:45	13.560010	-0.000010	0.001356	-0.000074%	0.01%	Pass		
20	10:46	13.560011	-0.000011	0.001356	-0.000081%	0.01%	Pass		
20	10:47	13.560010	-0.000010	0.001356	-0.000074%	0.01%	Pass		
-20	11:18	13.559991	0.000009	0.001356	0.000066%	0.01%	Pass		
-10	11:55	13.560009	-0.000009	0.001356	-0.000066%	0.01%	Pass		
0	12:28	13.560018	-0.000018	0.001356	-0.000133%	0.01%	Pass		
10	13:37	13.560017	-0.000017	0.001356	-0.000125%	0.01%	Pass		
20	14:35	13.560007	-0.000007	0.001356	-0.000052%	0.01%	Pass		
30	16:05	13.559989	0.000011	0.001356	0.000081%	0.01%	Pass		
40	16:40	13.559979	0.000021	0.001356	0.000155%	0.01%	Pass		
50	17:05	13.559977	0.000023	0.001356	0.000170%	0.01%	Pass		

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7.15 Frequency vs. Supply Voltage (Table)

Motorola T6186A Frequency vs. Supply Voltage Test Results									
Nom Voltage	12		Nominal Frequency		13.56				
	Voltage actual		Frequency (MHz)	Δ freq meas (MHz)	Δ freq spec (MHz)		% Δ Meas	% Δ Spec	Result
100	12		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
85	10.2		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
90	10.8		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
95	11.4		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
100	12		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
105	12.6		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
110	13.2		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass
115	13.8		13.56000	0.00000	0.001356		0.000000%	0.01%	Pass