
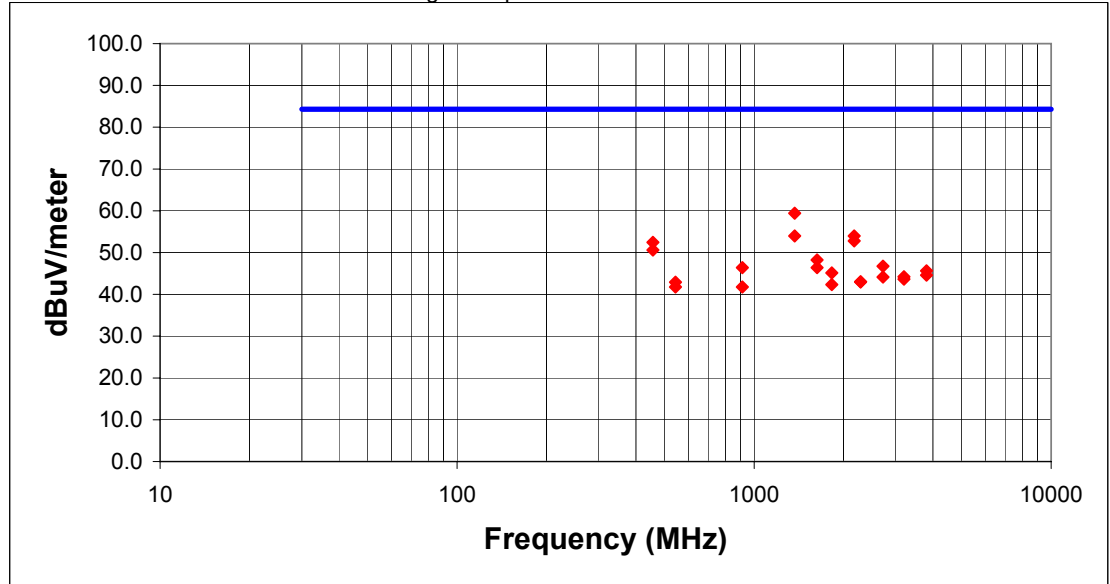


# EXHIBIT M – Radiated Spurious Emissions


FCC ID# NMEAVTS1030

NORTHWEST			
EMC		Radiated and Conducted Emissions	
		Rev 4.00 04/10/01	
EUT:	Alarm View Transmitter	Work Order:	DATC0007
Serial Number:	102037	Date:	05/29/01
Customer:	Data Critical	Temperature:	21
Attendees:	N/A	Tester:	Rod Peloquin
Customer Ref. No.:	N/A	Power:	N/A
		Humidity:	36%
		Job Site:	EV01
<b>TEST SPECIFICATIONS</b>			
Specification:	47 CFR 90.210 (c)	Year:	Most Recent
		Method:	TIA/EIA 603, Sec. 2.2.12
		Year:	Most Recent
<b>SAMPLE CALCULATIONS</b>			
Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Attenuation Factor - Amplifier Gain			
Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator			
<b>COMMENTS</b>			
Transmitting into 50 ohm dummy load			
<b>EUT OPERATING MODES</b>			
Transmitting at mid band - modulated at the maximum data rate of 2400 bps			
<b>DEVIATIONS FROM TEST STANDARD</b>			
None			
<b>RESULTS</b>		<b>DISTANCE (m)</b>	<b>LINE</b>
PASS		3	N/A
			<b>RUN</b>
			1
<b>OTHER</b>		 _____ <b>Tested By</b>	

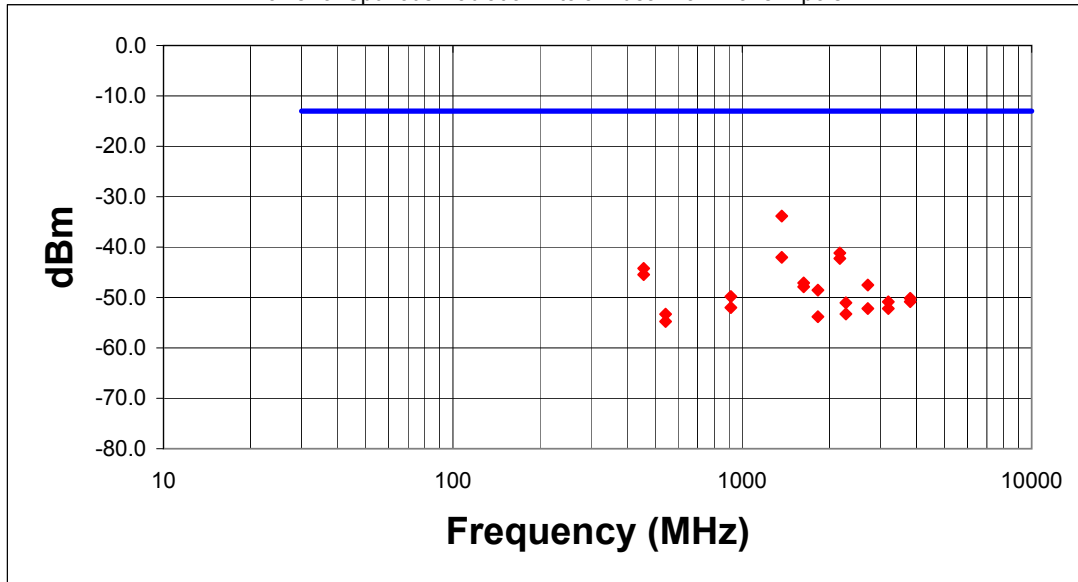
Field Strength of Spurious Radiation at 3 meters



Frequency (MHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Antenna Polarity	Preamp Gain (dB)	Cable Loss (dB)	Table Azimuth (degrees)	Antenna Height (meters)	Adjusted Level (dBuV/m)	Spec. Limit (dBuV/m)	Margin (dB)
1369.241	65.0	PK	26.6	VHRN	34.4	2.2	0.0	1.1	59.4	84.3	-24.9
1369.241	59.6	PK	26.6	HHRN	34.4	2.2	325.0	1.2	54.0	84.3	-30.3
2173.100	55.9	PK	29.6	HHRN	34.0	2.5	263.0	2.8	54.0	84.3	-30.3
2173.100	54.7	PK	29.6	VHRN	34.0	2.5	298.0	1.1	52.8	84.3	-31.5
456.412	63.7	PK	17.1	HBLG	29.5	1.2	190.0	1.0	52.5	84.3	-31.9
456.412	61.8	PK	17.1	VBLG	29.5	1.2	308.0	1.3	50.6	84.3	-33.7
1629.790	52.5	PK	27.7	HHRN	34.2	2.3	273.0	1.4	48.3	84.3	-36.1
2716.313	46.8	PK	30.9	VHRN	33.9	3.0	21.0	1.1	46.8	84.3	-37.6
912.824	51.9	PK	23.4	HBLG	30.6	1.7	147.0	1.0	46.4	84.3	-37.9
1629.790	50.6	PK	27.7	VHRN	34.2	2.3	299.0	1.0	46.4	84.3	-37.9
3802.837	42.4	PK	33.8	HHRN	34.2	3.7	252.0	2.7	45.7	84.3	-38.7
1825.651	48.4	PK	28.5	VHRN	34.1	2.4	179.0	1.3	45.2	84.3	-39.2
3802.837	41.3	PK	33.8	VHRN	34.2	3.7	205.0	1.5	44.6	84.3	-39.7
3194.887	42.8	PK	32.0	HHRN	34.0	3.4	265.0	1.7	44.2	84.3	-40.1
2716.313	44.2	PK	30.9	HHRN	33.9	3.0	76.0	1.7	44.2	84.3	-40.2
3194.887	42.3	PK	32.0	VHRN	34.0	3.4	5.0	1.5	43.7	84.3	-40.7
2282.000	44.5	PK	29.9	VHRN	34.0	2.6	237.0	1.3	43.0	84.3	-41.3
2282.000	44.5	PK	29.9	HHRN	34.0	2.6	289.0	2.6	43.0	84.3	-41.3
543.262	52.6	PK	19.0	VBLG	30.0	1.3	157.0	1.8	42.9	84.3	-41.4
1825.651	45.6	PK	28.5	HHRN	34.1	2.4	272.0	1.4	42.4	84.3	-42.0
912.824	47.3	PK	23.4	VBLG	30.6	1.7	173.0	1.7	41.8	84.3	-42.6
543.262	51.5	PK	19.0	HBLG	30.0	1.3	105.0	1.8	41.8	84.3	-42.6

NORTHWEST		Radiated and Conducted Emissions		Rev 4.00 04/10/01	
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Serial Number: 102037		Customer: Data Critical		Date: 05/29/01	
Attendees: N/A		Tester: Rod Peloquin		Temperature: 21	
Customer Ref. No.: N/A		Power: N/A		Humidity: 36%	
				Job Site: EV01	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 90.210 (c)		Year: Most Recent	Method: TIA/EIA 603, Sec. 2.2.12		Year: Most Recent
<b>SAMPLE CALCULATIONS</b>					
Power Into an Ideal Half-Wave Dipole is determined through the substitution method described in TIA/EIA 603, Sec. 2.2.12					
<b>COMMENTS</b>					
Transmitting into 50 ohm dummy load. Conducted output power measured to be 293mW					
<b>EUT OPERATING MODES</b>					
Transmitting at mid band - modulated at the maximum data rate of 2400 bps					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>RESULTS</b>		DISTANCE (m)	LINE	RUN	
PASS		3	N/A	1	
<b>OTHER</b>			 _____ <b>Tested By</b>		

Power of Spurious Radiation into an Ideal Half-Wave Dipole



Frequency (MHz)	Antenna Polarity	Table Azimuth (degrees)	Antenna Height (meters)	Power Into an Ideal Half-Wave Dipole (dBm)	Spec. Limit (dBm)	Margin (dB)
1369.241	VHRN	0.0	1.1	-33.8	-13.0	-20.8
2173.100	VHRN	298.0	1.1	-41.2	-13.0	-28.2
1369.241	HHRN	325.0	1.2	-42.0	-13.0	-29.0
2173.100	HHRN	263.0	2.8	-42.2	-13.0	-29.2
456.412	HBLG	190.0	1.0	-44.2	-13.0	-31.2
456.412	VBLG	308.0	1.3	-45.5	-13.0	-32.5
1629.790	VHRN	299.0	1.0	-47.1	-13.0	-34.1
2716.313	VHRN	21.0	1.1	-47.5	-13.0	-34.5
1629.790	HHRN	273.0	1.4	-47.9	-13.0	-34.9
1825.651	VHRN	179.0	1.3	-48.6	-13.0	-35.6
912.824	HBLG	147.0	1.0	-49.8	-13.0	-36.8
3802.837	VHRN	205.0	1.5	-50.2	-13.0	-37.2
3802.837	HHRN	252.0	2.7	-50.8	-13.0	-37.8
3194.887	VHRN	5.0	1.5	-50.9	-13.0	-37.9
2282.000	VHRN	237.0	1.3	-51.0	-13.0	-38.0
912.824	VBLG	173.0	1.7	-52.0	-13.0	-39.0
2716.313	HHRN	76.0	1.7	-52.2	-13.0	-39.2
3194.887	HHRN	265.0	1.7	-52.2	-13.0	-39.2
2282.000	HHRN	289.0	2.6	-53.3	-13.0	-40.3
543.262	VBLG	157.0	1.8	-53.3	-13.0	-40.3
1825.651	HHRN	272.0	1.4	-53.8	-13.0	-40.8
543.262	HBLG	105.0	1.8	-54.8	-13.0	-41.8