EXHIBIT F – Radiated Emissions Test Data

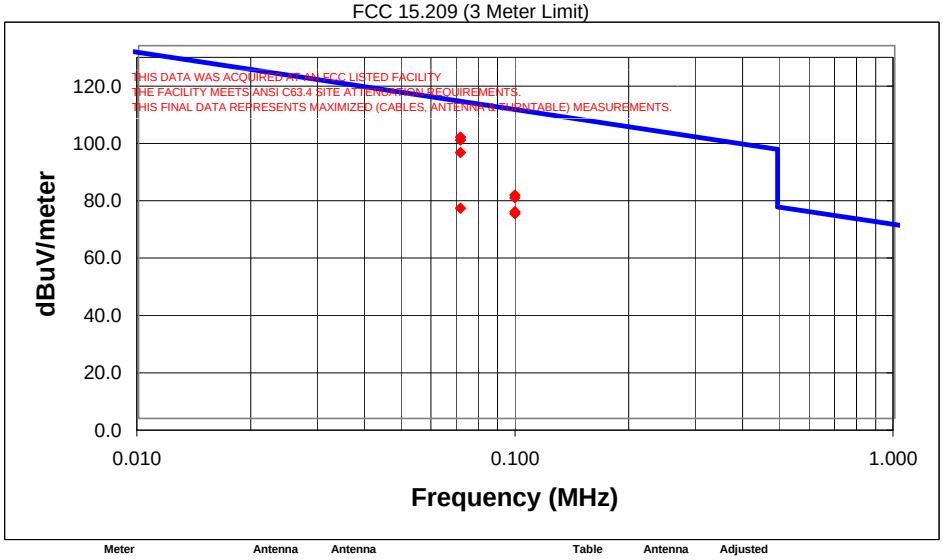
FCC ID O7O-UPP

Northwest EMC, Inc., Radiated and Conducted Emissions Data Sheets			Rev 3.3 10/09/99
EUT: **Phoenix Vehicle Classifier**	Serial Number: **S0090**	Job Number: **HIGH0002**	Date: **08/04/00**
Manufacturer: **Diamond Traffic**	Test Engineer: **Greg Kiemel**	Job Site: **EV01**	
Customer Reference Number:	Software: **Application Specific**	Power:	
Comments: **All modifications installed. One loop board with loops #3 and #4 attached. (6 x 6 loop)**			
		Temperature (°C): **22**	% Humidity: **39**

Test System		
See system details		

Test Equipment					
AAL	AQF	APS	AXE	AOA	

FCC 15.209 (3 Meter Limit)



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)	Comment
0.071	87.4	PK	10.1	Loop	0.0	0.6	76.0	1.2	98.1	110.6	-12.6	XMIT frequency. Measurment Antenna Vertical Polarity - Perpendicular to EUT
0.071	86.4	PK	10.1	Loop	0.0	0.6	55.0	1.0	97.1	110.6	-13.5	XMIT frequency. Measurement Antenna Vertical Polarity - Parallel to EUT
0.071	82.1	PK	10.1	Loop	0.0	0.6	51.0	1.0	92.8	110.6	-17.9	XMIT frequency. Measurmeent Antenna Horizontal Polarity - Parallel to EUT
0.099	67.6	PK	9.7	Loop	0.0	0.6	270.0	1.0	77.9	107.7	-29.8	Measurement Antenna Vertical Polarity - Parallel to EUT
0.099	66.7	PK	9.7	Loop	0.0	0.6	280.0	1.0	77.0	107.7	-30.8	Measurement Antenna Horizontal Polarity - Parallel to EUT
0.099	61.8	PK	9.7	Loop	0.0	0.6	280.0	2.3	72.1	107.7	-35.7	Measurment Antenna Vertical Polarity - Perpendicular to EUT
0.099	61.2	PK	9.7	Loop	0.0	0.6	313.0	1.0	71.5	107.7	-36.3	Measurment Antenna Horizontal Polarity - Perpendicular to EUT
0.071	62.7	PK	10.1	Loop	0.0	0.6	0.0	1.0	73.4	110.6	-37.3	XMIT frequency. Measurment Antenna Horizontal Polarity - Perpendicular to EUT

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EUT:	Serial Number:	Job Number:	Date:
Phoenix Vehicle Classifier	**50090**	**HIGH0003**	**08/22/00**
Manufacturer:	Test Engineer:	Job Site:	
Diamond Traffic	**Greg Kiemel**	**EV01**	
Customer Reference Number:	Software:	Power:	
	Application Specific		
Comments:	**All modifications installed. One loop board with 8x8' loop and a 4x4' loop attached.**		
		Temperature (°C): **19**	% Humidity: **38**

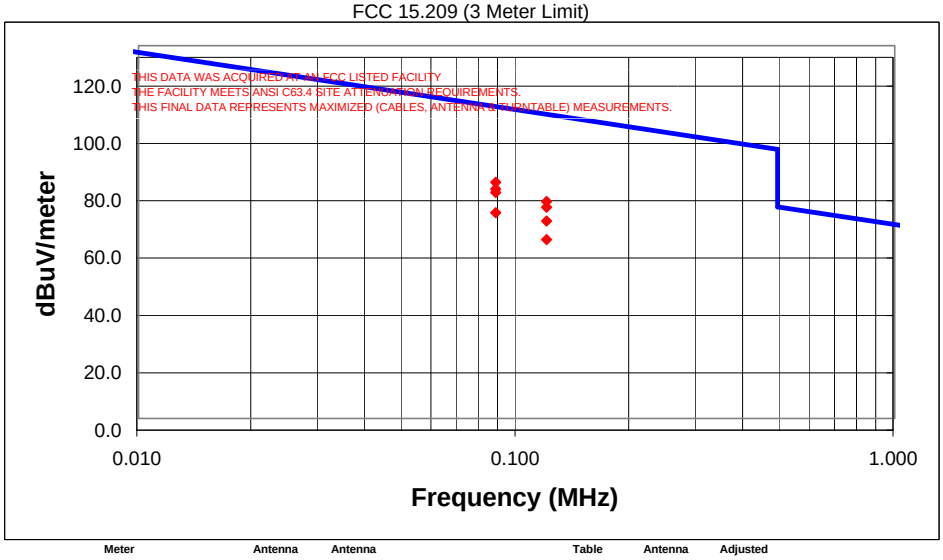
Test System

See system details		

Test Equipment

AAL	AQF	APS	AXE	AOA	

FCC 15.209 (3 Meter Limit)



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)	Comment
0.088	72.0	PK	9.8	Loop	0.0	0.6	287.0	1.0	82.4	108.6	-26.2	XMIT frequency. Measurement Antenna Horizontal Polarity - Parallel to EUT
0.088	69.6	PK	9.8	Loop	0.0	0.6	282.0	1.0	80.0	108.6	-28.6	XMIT frequency. Measurement Antenna Vertical Polarity - Parallel to EUT
0.088	68.4	PK	9.8	Loop	0.0	0.6	37.0	1.4	78.8	108.6	-29.8	XMIT frequency. Measurement Antenna Horizontal Polarity - Perpendicular to EUT
0.120	65.3	PK	9.7	Loop	0.0	0.7	78.0	1.3	75.7	106.0	-30.3	Measurement Antenna Horizontal Polarity - Perpendicular to EUT
0.120	63.3	PK	9.7	Loop	0.0	0.7	85.0	1.0	73.7	106.0	-32.3	Measurement Antenna Horizontal Polarity - Parallel to EUT
0.088	61.4	PK	9.8	Loop	0.0	0.6	338.0	1.0	71.8	108.6	-36.8	XMIT frequency. Measurement Antenna Vertical Polarity - Perpendicular to EUT
0.120	58.4	PK	9.7	Loop	0.0	0.7	84.0	2.6	68.8	106.0	-37.2	Measurement Antenna Vertical Polarity - Parallel to EUT
0.120	52.0	PK	9.7	Loop	0.0	0.7	148.0	1.0	62.4	106.0	-43.6	Measurement Antenna Vertical Polarity - Perpendicular to EUT