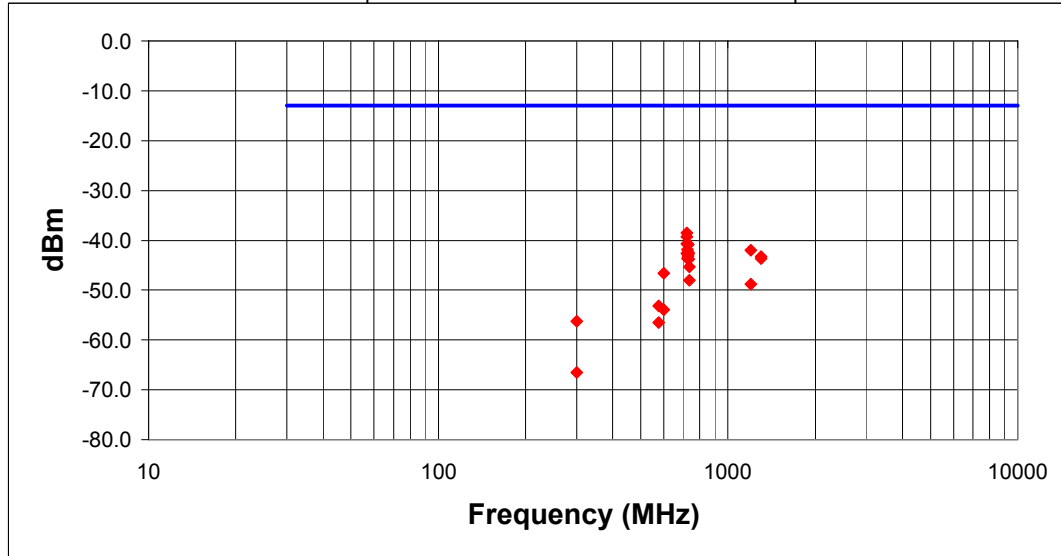


EXHIBIT R – Spurious Radiated Emissions

FCC ID# PURRFU7

NORTHWEST		Radiated and Conducted Emissions		Rev 4.10 07/06/01	
EUT: IDEN Radios		Work Order: RAFN0005			
Serial Number: Engineering Unit		Date: 08/17/01			
Customer: Radio Frame Networks		Temperature: 20			
Attendees: N/A		Tester: James Tilley		Humidity: 63%	
Customer Ref. No.: N/A		Power: N/A		Job Site: SU07	
TEST SPECIFICATIONS					
Specification: FCC 90.691		Year: Most Recent		Method: TIA / EIA 603	
				Year: Most Recent	
SAMPLE CALCULATIONS					
Power into an Ideal Half-Wave dipole is determined by the substitution method described in TIA/EIA 603, Sec. 2.2.12					
COMMENTS					
7 IDEN RadioBlades (101, 108, 110, 111, 114, 118, 121) installed in Radio Frame Unit. Transmitting into 50 ohm load.					
EUT OPERATING MODES					
Transmitting at mid-band with modulation					
DEVIATIONS FROM TEST STANDARD					
None					
RESULTS		DISTANCE (m)		LINE	
PASS		3			
OTHER					
		 Tested By			

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)
719.163	HLP	140.0	2.0	-38.5	-13.0	-25.5
719.163	VLPA	210.0	1.0	-39.3	-13.0	-26.3
721.663	HLP	160.0	2.5	-40.7	-13.0	-27.7
726.663	HLP	40.0	2.5	-40.8	-13.0	-27.8
726.663	VLPA	345.0	1.0	-40.9	-13.0	-27.9
724.163	HLP	150.0	2.5	-41.9	-13.0	-28.9
1200.003	VHRN	215.0	1.0	-42.0	-13	-29.0
728.647	VLPA	350.0	1.0	-42.3	-13.0	-29.3
721.663	VLPA	90.0	1.0	-42.6	-13.0	-29.6
731.158	HLP	135.0	2.8	-42.7	-13.0	-29.7
728.663	HLP	45.0	2.5	-43.2	-13.0	-30.2
1297.749	VHRN	312.0	1.9	-43.3	-13	-30.3
724.164	VLPA	170.0	1.0	-43.6	-13.0	-30.6
1297.821	HHRN	46.0	1.6	-43.7	-13	-30.7
731.158	VLPA	180.0	1.0	-43.8	-13.0	-30.8
734.140	VLPA	180.0	1.0	-45.3	-13.0	-32.3
599.996	VLPA	0.0	1.0	-46.6	-13.0	-33.6
734.121	HLP	135.0	2.5	-48.1	-13.0	-35.1
1199.843	HHRN	82.0	1.6	-48.9	-13	-35.9
575.001	VLPA	160.0	1.2	-53.2	-13.0	-40.2
599.996	HLP	120.0	2.5	-53.9	-13.0	-40.9
299.998	HLP	260.0	1.0	-56.3	-13.0	-43.3
575.001	HLP	110.0	2.5	-56.5	-13.0	-43.5
299.986	VLPA	0.0	2.0	-66.5	-13.0	-53.5