

**Northwest EMC, Inc., Radiated and Conducted Emissions Data Sheets**

EUT: <b>Z4K Transmitter &amp; Receiver</b>	Serial Number:	Job Number: <b>SEIT0042</b>	Date: <b>07/22/99</b>
Manufacturer: <b>Seitz</b>	Test Engineer: <b>Jennifer Hewitt</b>	Job Site: <b>EL01</b>	
Customer Reference Number:	Software:	Power:	

Comments: **No Caps on back of transmitter. Receiver w/cable.**

<i>Jennifer Hewitt</i>		Temperature (°C): <b>21</b>	% Humidity: <b>40</b>
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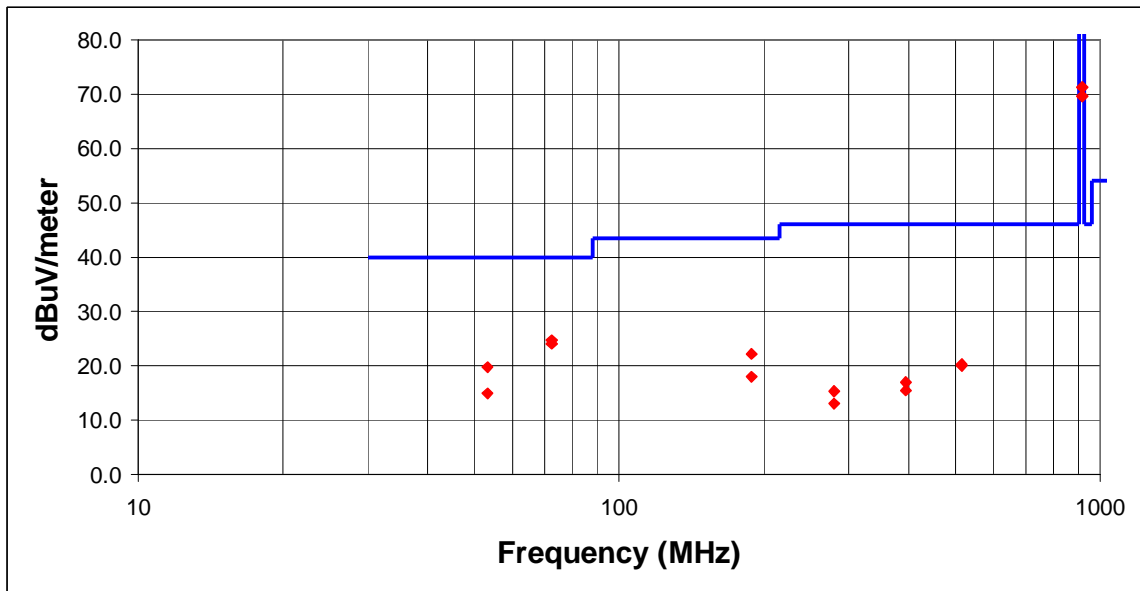
**Test System**

EUT	Transmitter

**Test Equipment**

AAJ	ABA	ADC	ALD	APF	AQE
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FCC Class B, Subpart C (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)
916.467	51.4	QP	28.3	HDIP	0.0	6.5	210.0	1.0	86.2	94.0	-7.8
916.461	51.0	PK	28.3	HDIP	0.0	6.5	210.0	1.0	85.8	94.0	-8.2
916.475	47.4	QP	28.3	VDIP	0.0	6.5	150.0	1.6	82.2	94.0	-11.8
916.455	46.8	PK	28.3	VDIP	0.0	6.5	150.0	1.6	81.6	94.0	-12.4
72.454	48.0	QP	7.1	HBIC	32.0	1.6	180.0	2.5	24.7	40.0	-15.3
72.464	47.5	QP	7.1	VBIC	32.0	1.6	100.0	1.0	24.2	40.0	-15.9
53.200	39.7	QP	10.7	VBIC	32.0	1.4	100.0	1.3	19.8	40.0	-20.2
188.620	34.6	QP	17.0	VBIC	31.8	2.4	100.0	2.0	22.2	43.5	-21.3
916.434	36.4	AV	28.3	HDIP	0.0	6.5	210.0	1.0	71.2	94.0	-22.8
916.486	34.8	AV	28.3	VDIP	0.0	6.5	150.0	1.6	69.6	94.0	-24.4
53.200	34.8	QP	10.7	HBIC	32.0	1.4	120.0	2.2	14.9	40.0	-25.1
188.620	30.4	QP	17.0	HBIC	31.8	2.4	150.0	2.0	18.0	43.5	-25.5
516.000	29.6	QP	18.1	VLPA	32.1	4.7	100.0	2.0	20.3	46.0	-25.7
516.000	29.3	QP	18.1	HLPA	32.1	4.7	100.0	2.0	20.0	46.0	-26.0
394.000	28.4	QP	16.0	VLPA	31.4	3.9	100.0	2.0	16.9	46.0	-29.1
394.000	27.0	QP	16.0	HLPA	31.4	3.9	100.0	3.0	15.5	46.0	-30.5
279.862	29.9	QP	13.8	HLPA	31.6	3.2	100.0	1.5	15.3	46.0	-30.7
279.862	27.6	QP	13.8	VLPA	31.6	3.2	100.0	2.0	13.0	46.0	-33.0

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Manufacturer: <b>Seitz &amp; Associates</b>	Test Engineer: <b>Jennifer Hewitt</b>	Job Site: <b>EL01</b>	
Customer Reference Number:	Software:	Power:	

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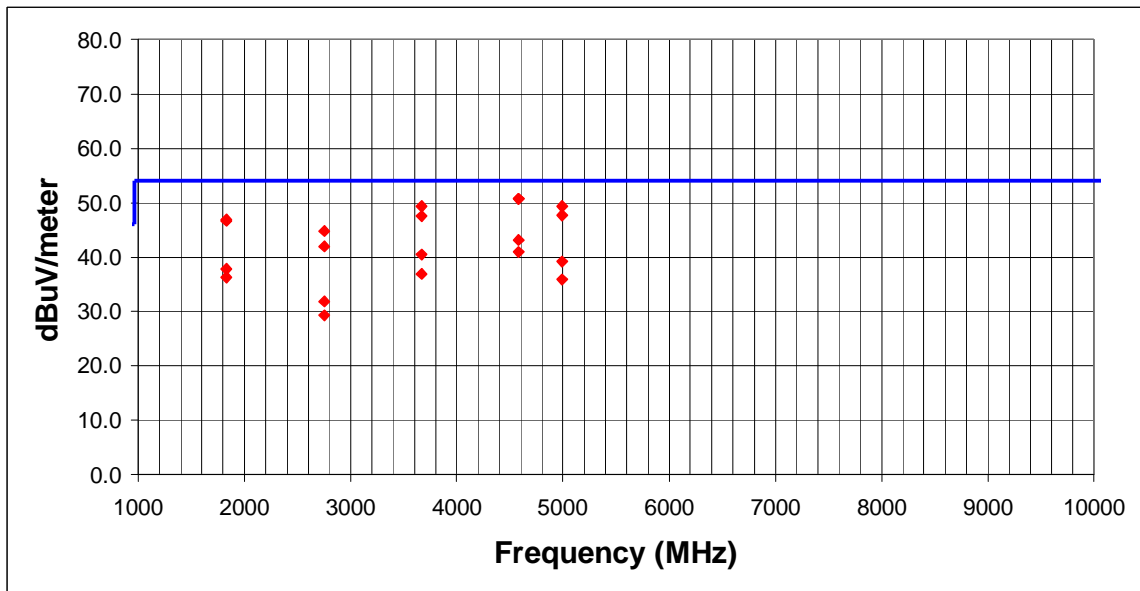
**Test System**

EUT	Transmitter

**Test Equipment**

AAM	AHC	APP		
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FCC Class B (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)
4582.300	45.2	PK	34.9	HHRN	34.0	4.6	20.0	2.0	50.7	54.0	-3.3
4582.300	45.2	PK	34.9	VHRN	34.0	4.6	250.0	1.0	50.7	54.0	-3.3
3665.800	45.9	PK	33.2	VHRN	34.1	4.3	60.0	1.0	49.3	54.0	-4.7
4988.500	42.6	PK	35.9	VHRN	34.0	4.8	270.0	2.0	49.3	54.0	-4.7
4988.500	41.0	PK	35.9	HHRN	34.0	4.8	250.0	2.0	47.7	54.0	-6.3
3665.800	44.2	PK	33.2	HHRN	34.1	4.3	20.0	1.0	47.6	54.0	-6.4
1832.900	50.3	PK	28.6	HHRN	35.1	3.1	110.0	1.8	46.9	54.0	-7.1
1832.900	50.1	PK	28.6	VHRN	35.1	3.1	330.0	1.0	46.7	54.0	-7.3
2749.400	44.2	PK	31.3	HHRN	34.5	3.8	200.0	1.0	44.8	54.0	-9.2
4582.300	37.6	AV	34.9	HHRN	34.0	4.6	20.0	2.0	43.1	54.0	-10.9
2749.400	41.4	PK	31.3	VHRN	34.5	3.8	300.0	1.0	42.0	54.0	-12.0
4582.300	35.5	AV	34.9	VHRN	34.0	4.6	250.0	1.0	41.0	54.0	-13.0
3665.800	37.1	AV	33.2	VHRN	34.1	4.3	60.0	1.0	40.5	54.0	-13.5
4988.500	32.5	AV	35.9	VHRN	34.0	4.8	270.0	2.0	39.2	54.0	-14.8
1832.900	41.2	AV	28.6	HHRN	35.1	3.1	110.0	1.8	37.8	54.0	-16.2
3665.800	33.5	AV	33.2	HHRN	34.1	4.3	20.0	1.0	36.9	54.0	-17.1
1832.900	39.6	AV	28.6	VHRN	35.1	3.1	330.0	1.0	36.2	54.0	-17.8
4988.500	29.2	AV	35.9	HHRN	34.0	4.8	250.0	2.0	35.9	54.0	-18.1
2749.400	31.2	AV	31.3	HHRN	34.5	3.8	200.0	1.0	31.8	54.0	-22.2
2749.400	28.7	AV	31.3	VHRN	34.5	3.8	300.0	1.0	29.3	54.0	-24.7