

Company:	Sierra Wireless	Project #:	
EUT:	CDPD Medem	Date of Test:	December 13, 1998
Model:	SB320	Test Site #:	2
Standard:	FCC Part 22	Test Distance	3 Meters
Test Mode:	Tx	Engineer:	Xi-Ming Yang

Radiated Emission Test Data							
Frequency	Antenna Pol.	Reading	Antena Factor	Cable Loss	Preamplifier gain	Corrected Reading	ERP
MHz	H/V	dB(μ V)	dB(1/m)	dB	dB	dB(μ V/m)	dBm
824.04	V	103.3	22.2	1.1	0	126.6	29.2
836.49	V	104.5	22.2	1.1	0	127.8	30.4
848.97	V	102.4	22.2	1.1	0	125.7	28.3

Note: a) Reading proceeded with a '*' are measurements with power meter.
b) All other readings are peak measurements.

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Standard:	FCC Part 22	Test Distance:	3 Meters
Test Mode:	Tx @ 824.04 MHz	Engineer:	Xi-Ming Yang

Radiated Emission Test Data									
Fundamental Frequency Field Strength:					126.6	dB(μ V/m)			
Antenna Conducted Power:					0.468	Watts			
Frequency	Antenna Pol.	Reading	Antenna Factor	Cable Loss	Preamplifier gain	Corrected Reading	Spurious Attenuation	Limit	Margin
MHz	H/V	dB(μ V)	dB(1/m)	dB	dB	dB(μ V/m)	dB	dB	dB
1648.1	V	56.7	26.7	2.1	29.6	55.9	70.7	39.7	-31.0
2472.1	V	75.9	30.5	2.3	28.4	80.3	46.3	39.7	-6.6
3296.1	H	67.9	32.7	2.8	27.8	75.6	51.0	39.7	-11.3
4120.2	V	64.7	34.0	3.3	27.6	74.4	52.2	39.7	-12.5
4944.2	V	47.8	35.1	3.6	27.8	58.7	67.9	39.7	-28.2
5768.2	V	40.3	36.1	4.0	28.0	52.4	74.2	39.7	-34.5
6592.4	V	29.0	37.2	4.3	28.5	42.0	84.6	39.7	-44.9
7416.3	V	30.0	37.5	4.7	29.0	43.2	83.4	39.7	-43.7
8240.4	V	29.0	38.8	4.8	29.0	43.6	83.0	39.7	-43.3

- Note:
- a) Negative sign (-) in the Margin column signify levels below the limit.
 - b) Reading proceeded with a '*' are Quasi-Peak measurements.
 - c) All other readings are peak measurements.
 - d) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits

Company:	Sierra Wireless	Project #:	
EUT:	CDPD Medem	Date of Test:	December 13, 1998
Model:	SB320	Test Site #:	2
Standard:	FCC Part 22	Test Distance	3 Meters
Test Mode:	Tx @ 836.49 MHz	Engineer:	Xi-Ming Yang

Radiated Emission Test Data									
Fundamental Frequency Field Strength:					127.8	dB(μ V/m)			
Antenna Conducted Power:					0.490	Watts			
Frequency	Antenna Pol.	Reading	Antenna Factor	Cable Loss	Preamplifier gain	Corrected Reading	Spurious Attenuation	Limit	Margin
MHz	H/V	dB(μ V)	dB(1/m)	dB	dB	dB(μ V/m)	dB	dB	dB
1673.0	V	63.6	26.7	2.1	29.6	62.8	65.0	39.9	-25.1
2509.5	V	80.5	30.5	2.3	28.4	84.9	42.9	39.9	-3.0
3345.9	V	63.6	32.7	2.8	27.8	71.3	56.5	39.9	-16.6
4182.4	V	56.5	34.0	3.3	27.6	66.2	61.6	39.9	-21.7
5018.9	V	46.0	35.1	3.6	27.8	56.9	70.9	39.9	-31.0
5855.4	V	40.6	36.1	4.0	28.0	52.7	75.1	39.9	-35.2
6691.9	V	44.0	37.2	4.3	28.5	57.0	70.8	39.9	-30.9
7528.4	H	35.0	37.5	4.7	29.0	48.2	79.6	39.9	-39.7
8364.8	H	29.0	38.8	4.8	29.0	43.6	84.2	39.9	-44.3

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EUT:	CDPD Modem	Date of Test:	December 13, 1998
Model:	SB320	Test Site #:	2
Standard:	FCC Part 22	Test Distance:	3 Meters
Test Mode:	Tx @ 848.97 MHz	Engineer:	Xi-Ming Yang

Radiated Emission Test Data									
Fundamental Frequency Field Strength:					125.7	dB(μV/m)			
Antenna Conducted Power:					0.355	Watts			
Frequency	Antenna Pol.	Reading	Antenna Factor	Cable Loss	Preamplifier gain	Corrected Reading	Spurious Attenuation	Limit	Margin
MHz	H/V	dB(μV)	dB(1/m)	dB	dB	dB(μV/m)	dB	dB	dB
1697.9	H	60.0	26.7	2.1	29.6	59.2	66.5	38.5	-28
2546.9	V	68.0	30.5	2.3	28.4	72.4	53.3	38.5	-14.8
3395.9	V	52.0	32.7	2.8	27.8	59.7	66	38.5	-27.5
4244.8	H	43.0	34.0	3.3	27.6	52.7	73	38.5	-34.5
5093.8	V	29.0	35.1	3.6	27.8	39.9	85.8	38.5	-47.3
5942.8	H	29.0	36.1	4.0	28.0	41.1	84.6	38.5	-46.1
6791.7	V	29.0	37.2	4.3	28.5	42.0	83.7	38.5	-45.2
7640.7	V	30.0	37.5	4.7	29.0	43.2	82.5	38.5	-44
8489.7	V	29.0	38.8	4.8	29.0	43.6	82.1	38.5	-43.6

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