

**Radiated Emissions Test
Data**

Company:	Sierra Wireless Inc.	Model #:	Aircard 510	Req.	FCC 2 993
EUT:		S/N or FCC #:		Test Dist	3 meter
Project #:		Test Date:	March 30, 2000	TP	0.20 Watt
Test Mode:	Tx@Low	Engineer:	Xi Ming Y.	Min. Attn.	36.01 dBc

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number:	2	21	8	13	8	10	0	0	12	0
Model:	EMCO 3143	3160-G	EMCO 3115	ACO400	CDI_P1000	AFT18855	None	None	Grn_M+L	None

Frequency	Reading	Detector	Ant	Amp	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	Net	ERP	Attn.	Margin
MHz	dB(μV)	P/A/Q	#	#	H/V	dB(1/m)	dB	dB	dB(μV/m)	mW	dBc	dB
1851.29	90.8	Ave.	8	0	V	27.2	0.0	2.1	120.1	1.87E+02	0.0	N/A
3702.28	40.0	Ave.	8	8	V	33.1	27.8	2.7	48.0	1.14E-05	72.2	-36.1
5553.28	31.6	Ave.	8	8	V	36.2	28.3	3.7	43.2	3.84E-06	76.9	-40.9
7405.22	42.6	Ave.	8	8	V	38.0	28.0	4.3	56.9	8.98E-05	63.2	-27.2
9256.41	34.0	Ave.	8	8	V	40.4	27.0	4.7	52.1	2.99E-05	68.0	-32.0
11107.49	40.0	Ave.	8	10	V	40.6	39.9	5.6	46.3	7.80E-06	73.8	-37.8
12958.49	31.0	Ave.	8	10	V	41.6	39.1	6.1	39.6	1.65E-06	80.6	-44.5
14809.49	28.8	Ave.	8	10	V	42.1	37.4	6.8	40.3	1.94E-06	79.9	-43.8
16660.49	28.8	Ave.	8	10	V	41.5	39.4	7.2	38.1	1.17E-06	82.1	-46.0
18511.49	26.0	Ave.	21	13	V	40.2	23.3	7.6	50.5	2.05E-05	69.6	-33.6

Notes:

- O.C.F. Other Correction Factor
- Insert Loss = Cable A + Cable B + Cable C + Transducer.
- Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.
- Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).
- Negative signs (-) in Margin column signify levels below the limits.

Radiated Emissions Test Data

Company:	Sierra Wireless Inc.	Model #:	Aircard 510	Req:	FCC 2.993
EUT:		S/N or FCC #:		Test Dist:	3 meters
Project #:		Test Date:	March 30, 2000	TP:	0.20 Watt
Test Mode:	Tx@Mid Ch.	Engineer:	Xi Ming Y.	Min. Attn:	36.01 dBc

Number:	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used	
Model:	2	21	8	13	8	10	0	0	12	0	
	EMCO 3143	3160-9	EMCO 3115	ACO/400	CDL_P1000	AFT18855	None	None	Gm_M+L	None	

Frequency MHz	Reading dB(μV)	Detector P/A/Q	Ant #	Amp #	Ant. Pol. H/V	Ant. Factor dB(1/m)	Pre-Amp dB	Insert. Loss dB	Net dB(μV/m)	ERP mW	Attn. dBc	Margin dB
1880.00	90.2	Ave.	8	0	V	27.2	0.0	2.1	119.5	1.63E+02	0.0	N/A
3760.00	40.3	Ave.	8	8	V	33.1	27.8	2.7	48.2	1.22E-05	71.3	-35.2
5640.00	30.6	Ave.	8	8	V	36.2	28.3	3.7	42.2	3.05E-06	77.3	-41.3
7520.00	42.8	Ave.	8	8	V	37.8	28.0	4.6	57.2	9.49E-05	62.4	-26.3
9400.00	30.0	Ave.	8	8	V	40.4	27.3	4.7	47.8	1.11E-05	71.7	-35.7
11280.00	41.5	Ave.	8	10	V	40.6	39.9	5.6	47.8	1.10E-05	71.7	-35.7
13160.00	37.5	Ave.	8	10	V	41.0	39.2	6.1	45.4	6.33E-06	74.1	-38.1
15040.00	31.4	Ave.	8	10	V	42.3	38.3	6.6	42.0	2.91E-06	77.5	-41.5
16920.00	30.0	Ave.	8	10	V	41.5	39.4	7.2	39.3	1.54E-06	80.3	-44.2
18800.00	26.0	Ave.	21	13	V	40.2	23.3	7.6	50.5	2.05E-05	69.0	-33.0

- Notes:**
- a) O.C.F. - Other Correction Factor
 - b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.
 - c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss
 - d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).
 - e) Negative signs (-) in Margin column signify levels below the limits.

**Radiated Emissions Test
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Company:	Sierra Wireless Inc.	Model #:	Aircard 510	Req:	FCC 2.993
EUT:		S/N or FCC #:		Test Dist:	3 meter
Project #:		Test Date:	March 30, 2000	TP	0.20 Watt
Test Mode:	Tx@High Ch.	Engineer:	Xi Ming Y.	Min. Attn:	36.01 dBc

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number:	2	21	8	13	8	10	0	0	12	0
Model:	EMCO 3143	3160-8	EMCO 3115	ACO/400	CDL_P1000	AFT18855	None	None	Gri_M+L	None

Frequency MHz	Reading dB(μV)	Detector P/A/O	Ant #	Amp #	Ant. Pol. H/V	Ant. Factor dB(1/m)	Pre-Amp dB	Insert. Loss dB	Net dB(μV/m)	ERP mW	Attn. dBc	Margin dB
1908.80	89.0	Ave.	8	0	V	27.2	0.0	2.1	118.3	1.24E+02	0.0	N/A
3817.80	37.0	Ave.	8	8	V	33.1	27.8	2.7	45.0	5.72E-06	73.4	-37.3
5726.70	29.0	Ave.	8	8	V	36.2	28.3	3.7	40.6	2.11E-06	77.7	-41.7
7635.00	43.8	Ave.	8	8	V	37.8	27.8	4.6	58.4	1.25E-04	60.0	-23.9
9543.90	31.0	Ave.	8	8	V	39.3	27.3	5.0	48.0	1.15E-05	70.3	-34.3
11452.80	42.2	Ave.	8	10	V	40.6	39.9	5.6	48.5	1.30E-05	69.8	-33.8
13361.70	34.0	Ave.	8	10	V	41.0	39.2	6.1	41.9	2.83E-06	76.4	-40.4
15270.60	30.0	Ave.	8	10	V	42.3	38.3	6.6	40.6	2.11E-06	77.7	-41.7
17179.50	30.0	Ave.	8	10	V	43.8	38.8	7.5	42.5	3.24E-06	75.8	-39.8
19088.40	26.0	Ave.	21	13	V	40.2	23.3	7.7	50.6	2.10E-05	67.7	-31.7

- Notes:**
- a) O.C.F.: Other Correction Factor
 - b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.
 - c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.
 - d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics)
 - e) Negative signs (-) in Margin column signify levels below the limits.