

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	50.86	V	74	-23.14	Peak	1.25	135	
4824	46.77	V	54	-7.23	Avg	1.25	135	
7236	45.85	V	74	-28.15	Peak	1.35	155	
7236	34.49	V	54	-19.51	Avg	1.35	155	
9648	44.91	V	--	--	Peak	1.25	165	Not in Restricted Band
9648	31.48	V	--	--	Avg	1.25	165	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	54.49	V	74	-19.51	Peak	1.25	225	
4824	52.11	V	54	-1.89	Avg	1.25	225	
7236	46.78	V	74	-27.22	Peak	1.35	155	
7236	34.61	V	54	-19.39	Avg	1.35	155	
9648	45.81	V	--	--	Peak	1.75	135	Not in Restricted Band
9648	33.57	V	--	--	Avg	1.75	135	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

 Datamax / O'Neil
 SDABGI
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	51.14	V	74	-22.86	Peak	1.25	180	
4824	47.93	V	54	-6.07	Avg	1.25	180	
7236	45.84	V	74	-28.16	Peak	1.35	175	
7236	34.13	V	54	-19.87	Avg	1.35	175	
9648	45.91	V	--	--	Peak	1.25	185	Not in Restricted Band
9648	33.69	V	--	--	Avg	1.25	185	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	50.46	H	74	-23.54	Peak	1.25	135	
4824	46.42	H	54	-7.58	Avg	1.25	135	
7236	46.02	H	74	-27.98	Peak	1.35	125	
7236	35.85	H	54	-18.15	Avg	1.35	125	
9648	49.45	H	--	--	Peak	1.25	165	Not in Restricted Band
9648	36.25	H	--	--	Avg	1.25	165	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	52.43	H	74	-21.57	Peak	1.25	135	
4824	49.34	H	54	-4.66	Avg	1.25	135	
7236	47.55	H	74	-26.45	Peak	1.65	155	
7236	35.91	H	54	-18.09	Avg	1.65	155	
9648	48.12	H	--	--	Peak	1.75	125	Not in Restricted Band
9648	36.37	H	--	--	Avg	1.75	125	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	53.39	H	74	-20.61	Peak	1.25	180	
4824	50.59	H	54	-3.41	Avg	1.25	180	
7236	50.59	H	74	-23.41	Peak	2.05	45	
7236	38.97	H	54	-15.03	Avg	2.05	45	
9648	51.13	H	--	--	Peak	2.15	225	Not in Restricted Band
9648	39.58	H	--	--	Avg	2.15	225	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

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Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	50.19	V	74	-23.81	Peak	1.25	135	
4874	45.47	V	54	-8.53	Avg	1.25	135	
7311	45.06	V	74	-28.94	Peak	1.58	155	
7311	33.48	V	54	-20.52	Avg	1.58	155	
9748	46.88	V	--	--	Peak	1.25	135	Not in Restricted Band
9748	33.39	V	--	--	Avg	1.25	135	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

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Datamax / O'Neil
 SDABGI
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	54.49	V	74	-19.51	Peak	1.25	225	
4874	52.11	V	54	-1.89	Avg	1.25	225	
7311	45.12	V	74	-28.88	Peak	1.35	180	
7311	34.18	V	54	-19.82	Avg	1.35	180	
9748	46.02	V	--	--	Peak	1.55	175	Not in Restricted Band
9748	34.31	V	--	--	Avg	1.55	175	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	50.51	V	74	-23.49	Peak	1.25	155	
4874	45.93	V	54	-8.07	Avg	1.25	155	
7311	46.08	V	74	-27.92	Peak	1.35	165	
7311	33.71	V	54	-20.29	Avg	1.35	165	
9748	47.74	V	--	--	Peak	1.25	155	Not in Restricted Band
9748	33.51	V	--	--	Avg	1.25	155	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	51.29	H	74	-22.71	Peak	1.25	135	
4874	48.25	H	54	-5.75	Avg	1.25	135	
7311	47.54	H	74	-26.46	Peak	1.35	165	
7311	35.49	H	54	-18.51	Avg	1.35	165	
9748	49.05	H	--	--	Peak	1.58	135	Not in Restricted Band
9748	37.41	H	--	--	Avg	1.58	135	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

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 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	52.29	H	74	-21.71	Peak	1.25	135	
4874	49.16	H	54	-4.84	Avg	1.25	135	
7311	47.95	H	74	-26.05	Peak	1.35	165	
7311	35.34	H	54	-18.66	Avg	1.35	165	
9748	48.23	H	--	--	Peak	1.65	175	Not in Restricted Band
9748	36.89	H	--	--	Avg	1.65	175	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	52.99	H	74	-21.01	Peak	1.25	135	
4874	49.93	H	54	-4.07	Avg	1.25	135	
7311	47.14	H	74	-26.86	Peak	1.35	165	
7311	35.46	H	54	-18.54	Avg	1.35	165	
9748	49.51	H	--	--	Peak	1.25	165	Not in Restricted Band
9748	37.35	H	--	--	Avg	1.25	165	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	52.44	V	74	-21.56	Peak	1.25	135	
4924	50.12	V	54	-3.88	Avg	1.25	135	
7386	45.69	V	74	-28.31	Peak	1.35	165	
7386	33.64	V	54	-20.36	Avg	1.35	165	
9848	46.56	V	--	--	Peak	1.25	135	Not in Restricted Band
9848	34.61	V	--	--	Avg	1.25	135	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

 Datamax / O'Neil
 802.11 a/b/g SD Module
 Model: SDABG1
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	54.38	V	74	-19.62	Peak	1.25	135	
4924	51.65	V	54	-2.35	Avg	1.25	135	
7386	45.49	V	74	-28.51	Peak	1.35	155	
7386	33.57	V	54	-20.43	Avg	1.35	155	
9848	49.45	V	--	--	Peak	1.58	165	Not in Restricted Band
9848	34.87	V	--	--	Avg	1.58	165	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC2 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	50.78	V	74	-23.22	Peak	1.25	135	
4924	46.78	V	54	-7.22	Avg	1.25	135	
7386	45.53	V	74	-28.47	Peak	1.35	165	
7386	33.35	V	54	-20.65	Avg	1.35	165	
9848	46.11	V	--	--	Peak	1.25	155	Not in Restricted Band
9848	34.55	V	--	--	Avg	1.25	155	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	50.98	H	74	-23.02	Peak	1.25	165	
4924	46.81	H	54	-7.19	Avg	1.25	165	
7386	47.03	H	74	-26.97	Peak	1.58	185	
7386	35.87	H	54	-18.13	Avg	1.58	185	
9848	49.19	H	--	--	Peak	1.35	155	Not in Restricted Band
9848	36.64	H	--	--	Avg	1.35	155	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC2 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	53.97	H	74	-20.03	Peak	1.25	135	
4924	51.16	H	54	-2.84	Avg	1.25	135	
7386	47.52	H	74	-26.48	Peak	1.35	165	
7386	35.91	H	54	-18.09	Avg	1.35	165	
9848	48.31	H	--	--	Peak	1.68	125	Not in Restricted Band
9848	36.658	H	--	--	Avg	1.68	125	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC2 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 b Mode Power Level = 20
Transmit Mode - Charging

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	52.25	H	74	-21.75	Peak	1.25	135	
4924	49.17	H	54	-4.83	Avg	1.25	135	
7386	46.02	H	74	-27.98	Peak	1.65	135	
7386	34.06	H	54	-19.94	Avg	1.65	135	
9848	48.72	H	--	--	Peak	1.65	135	Not in Restricted Band
9848	34.81	H	--	--	Avg	1.65	135	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABGI
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	48.26	V	74	-25.74	Peak	1.05	0	
4824	30.25	V	54	-23.75	Avg	1.05	0	
7236	47.56	V	74	-26.44	Peak	1.45	270	
7236	36.58	V	54	-17.42	Avg	1.45	270	
9648	44.58	V	--	--	Peak	1.55	225	Not in Restricted Band
9648	32.69	V	--	--	Avg	1.55	225	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	51.58	V	74	-22.42	Peak	1.56	180	
4824	35.69	V	54	-18.31	Avg	1.56	180	
7236	49.98	V	74	-24.02	Peak	1.25	315	
7236	38.85	V	54	-15.15	Avg	1.25	315	
9648	46.85	V	--	--	Peak	1.15	45	Not in Restricted Band
9648	35.69	V	--	--	Avg	1.15	45	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	47.29	V	74	-26.71	Peak	1.25	135	
4824	29.5	V	54	-24.5	Avg	1.25	135	
7236	45.88	V	74	-28.12	Peak	1.35	165	
7236	34.31	V	54	-19.69	Avg	1.35	165	
9648	42.72	V	--	--	Peak	1.25	165	Not in Restricted Band
9648	30.63	V	--	--	Avg	1.25	165	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	43.38	H	74	-30.62	Peak	1.25	165	
4824	29.91	H	54	-24.09	Avg	1.25	165	
7236	46.83	H	74	-27.17	Peak	1.35	165	
7236	35.24	H	54	-18.76	Avg	1.35	165	
9648	43.29	H	--	--	Peak	1.25	135	Not in Restricted Band
9648	30.64	H	--	--	Avg	1.25	135	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	51.02	H	74	-22.98	Peak	1.25	165	
4824	32.27	H	54	-21.73	Avg	1.25	165	
7236	48.51	H	74	-25.49	Peak	1.35	175	
7236	34.62	H	54	-19.38	Avg	1.35	175	
9648	42.96	H	--	--	Peak	1.45	195	Not in Restricted Band
9648	30.75	H	--	--	Avg	1.45	195	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 1 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	48.27	H	74	-25.73	Peak	1.25	135	
4824	33.91	H	54	-20.09	Avg	1.25	135	
7236	48.69	H	74	-25.31	Peak	1.69	180	
7236	34.54	H	54	-19.46	Avg	1.69	180	
9648	42.62	H	--	--	Peak	1.75	155	Not in Restricted Band
9648	30.69	H	--	--	Avg	1.75	155	Not in Restricted Band
12060								No Emission
12060								Detected
14472								No Emission
14472								Detected
16884								No Emission
16884								Detected
19296								No Emission
19296								Detected
21708								No Emission
21708								Detected
24120								No Emission
24120								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	45.52	V	74	-28.48	Peak	1.25	135	
4874	31.13	V	54	-22.87	Avg	1.25	135	
7311	48.51	V	74	-25.49	Peak	1.65	155	
7311	36.11	V	54	-17.89	Avg	1.65	155	
9748	48.36	V	--	--	Peak	1.45	135	Not in Restricted Band
9748	37.01	V	--	--	Avg	1.45	135	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	50.99	V	74	-23.01	Peak	1.58	165	
4874	37.35	V	54	-16.65	Avg	1.58	165	
7311	46.67	V	74	-27.33	Peak	1.25	135	
7311	35.77	V	54	-18.23	Avg	1.25	135	
9748	49.21	V	--	--	Peak	1.35	165	Not in Restricted Band
9748	37.25	V	--	--	Avg	1.35	165	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

 Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	40.58	V	74	-33.42	Peak	1.25	135	
4874	31.23	V	54	-22.77	Avg	1.25	135	
7311	47.01	V	74	-26.99	Peak	1.35	165	
7311	36.01	V	54	-17.99	Avg	1.35	165	
9748	45.66	V	--	--	Peak	1.58	175	Not in Restricted Band
9748	36.99	V	--	--	Avg	1.58	175	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	47.35	H	74	-26.65	Peak	1.25	135	
4874	33.01	H	54	-20.99	Avg	1.25	135	
7311	44.34	H	74	-29.66	Peak	1.35	165	
7311	34.46	H	54	-19.54	Avg	1.35	165	
9748	45.76	H	--	--	Peak	1.45	165	Not in Restricted Band
9748	33.83	H	--	--	Avg	1.45	165	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

 Datamax / O'Neil
 SDABGI
 Model: WL430220
 Configuration: In the OC3 Printer

 Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	51.63	H	74	-22.37	Peak	1.25	135	
4874	37.25	H	54	-16.75	Avg	1.25	135	
7311	45.43	H	74	-28.57	Peak	1.35	165	
7311	34.34	H	54	-19.66	Avg	1.35	165	
9748	45.42	H	--	--	Peak	1.65	175	Not in Restricted Band
9748	33.83	H	--	--	Avg	1.65	175	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	42.87	H	74	-31.13	Peak	1.25	135	
4874	30.41	H	54	-23.59	Avg	1.25	135	
7311	43.91	H	74	-30.09	Peak	1.58	165	
7311	34.33	H	54	-19.67	Avg	1.58	165	
9748	44.97	H	--	--	Peak	1.35	165	Not in Restricted Band
9748	33.95	H	--	--	Avg	1.35	165	Not in Restricted Band
12185								No Emission
12185								Detected
14622								No Emission
14622								Detected
17059								No Emission
17059								Detected
19496								No Emission
19496								Detected
21933								No Emission
21933								Detected
22001								No Emission
22001								Detected
24370								No Emission
24370								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.66	V	74	-32.34	Peak	1.25	135	
4924	29.66	V	54	-24.34	Avg	1.25	135	
7386	44.63	V	74	-29.37	Peak	1.55	165	
7386	33.48	V	54	-20.52	Avg	1.55	165	
9848	45.29	V	--	--	Peak	1.25	165	Not in Restricted Band
9848	33.81	V	--	--	Avg	1.25	165	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.65	V	74	-32.35	Peak	1.25	135	
4924	29.64	V	54	-24.36	Avg	1.25	135	
7386	44.81	V	74	-29.19	Peak	1.35	165	
7386	33.41	V	54	-20.59	Avg	1.35	165	
9848	45.83	V	--	--	Peak	1.25	165	Not in Restricted Band
9848	33.74	V	--	--	Avg	1.25	165	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 802.11 a/b/g SD Module
 Model: SDABG1
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	42.71	V	74	-31.29	Peak	1.25	135	
4924	30.19	V	54	-23.81	Avg	1.25	135	
7386	43.12	V	74	-30.88	Peak	1.55	165	
7386	33.41	V	54	-20.59	Avg	1.55	165	
9848	46.43	V	--	--	Peak	1.25	165	Not in Restricted Band
9848	33.82	V	--	--	Avg	1.25	165	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Desktop Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	45.84	H	74	-28.16	Peak	1.25	135	
4924	31.32	H	54	-22.68	Avg	1.25	135	
7386	44.51	H	74	-29.49	Peak	1.65	125	
7386	33.46	H	54	-20.54	Avg	1.65	125	
9848	45.11	H	--	--	Peak	1.25	135	Not in Restricted Band
9848	33.77	H	--	--	Avg	1.25	135	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Belt Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	46.66	H	74	-27.34	Peak	1.25	135	
4924	30.99	H	54	-23.01	Avg	1.25	135	
7386	46.23	H	74	-27.77	Peak	1.35	165	
7386	33.72	H	54	-20.28	Avg	1.35	165	
9848	45.73	H	--	--	Peak	1.25	165	Not in Restricted Band
9848	33.77	H	--	--	Avg	1.25	165	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

FCC 15.247

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 11 - 802.11 g Mode Power Level = 14
Transmit Mode - Charging

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.57	H	74	-32.43	Peak	1.25	135	
4924	30.96	H	54	-23.04	Avg	1.25	135	
7386	46.97	H	74	-27.03	Peak	1.35	165	
7386	33.78	H	54	-20.22	Avg	1.35	165	
9848	46.78	H	--	--	Peak	1.25	175	Not in Restricted Band
9848	34.01	H	--	--	Avg	1.25	175	Not in Restricted Band
12310								No Emission
12310								Detected
14772								No Emission
14772								Detected
17234								No Emission
17234								Detected
19696								No Emission
19696								Detected
22158								No Emission
22158								Detected
24620								No Emission
24620								Detected

Test Location	: Compatible Electronics	Page	: 1/1
Customer	: O'Neil Product Development	Date	: 2/26/2010
Manufacturer	: O'Neil Product Development	Time	: 15:32:15
Eut name	: SDABG1 Module	Lab	: A
Model	: OC3	Test Distance	: 3.0 Meters
Serial #	: N/A		
Specification	: FCC B		
Distance correction factor	(20 * log(test/spec))		: 0.00
Test Type:	Radiated Emissions - 10 kHz to 1 GHz (V & H)		
Test Config.:	in the OC3 Printer		
Test Engineer:	James Ross		
Power Supply:	Fairway Electronic Co. Ltd., Model VEG20C-120F		

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Li mi t = L dBuV/m	Del ta R-L dB
Transmit Mode - "Z" Axis (Worst Case)								
H	614.368	45.70	4.43	18.84	32.21	36.76	46.00	-9.24
H	614.643	46.40	4.43	18.84	32.21	37.46	46.00	-8.54
H	692.384	41.50	4.76	19.54	32.51	33.28	46.00	-12.72
Receive Mode - "Z" Axis (Worst Case)								
H	614.366	44.00	4.43	18.84	32.21	35.06	46.00	-10.94
H	614.645	44.00	4.43	18.84	32.21	35.06	46.00	-10.94
H	692.362	40.80	4.76	19.54	32.51	32.58	46.00	-13.42

FCC 15.247 and FCC Class B

Datamax / O'Neil

Date: 02/15/2010

SDABG1

Lab: B

Model: WL430220

Tested By: Kyle Fujimoto

Configuration: In the OC2 Printer

Non Harmonic Emissions from the Tx and Digital Portion - 1 GHz to 25000 MHz

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Digital Portion in 802.11 b Mode from 1 GHz to 25000 MHz for both Vertical and Horizontal Polarizations
								No Non Harmonic Emissions Found for the Tx Mode in 802.11 b Mode from 1 GHz to 25000 MHz for both Vertical and Horizontal Polarizations
								Investigated in Desktop, Belt, and Charging Axis

FCC 15.247 and FCC Class B

Datamax / O'Neil

SDABG1

Model: WL430220

Configuration: In the OC3 Printer

Date: 02/15/2010

Lab: B

Tested By: Kyle Fujimoto

Non Harmonic Emissions from the Tx and Digital Portion - 1 GHz to 25000 MHz

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Digital Portion in 802.11 g Mode from 1 GHz to 25000 MHz for both Vertical and Horizontal Polarizations
								No Non Harmonic Emissions Found for the Tx Mode in 802.11 g Mode from 1 GHz to 25000 MHz for both Vertical and Horizontal Polarizations
								Investigated in Desktop, Belt, and Charging Axis

FCC Class B and RSS-210

Datamax / O'Neil
SDABG1
Model: WL430220
Configuration: In the OC2 Printer

Date: 02/15/2010
Lab: B
Tested By: Kyle Fujimoto

**Channel 6 - 802.11 b Mode
Receive Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Receive Mode in 802.11 b Mode from 10 kHz to 25000 MHz for both Vertical and Horizontal Polarizations
								Investigated in Desktop, Belt, and Charging Axis

FCC Class B and RSS-210

Datamax / O'Neil
 SDABG1
 Model: WL430220
 Configuration: In the OC3 Printer

Date: 02/15/2010
 Lab: B
 Tested By: Kyle Fujimoto

Channel 6 - 802.11 g Mode

Receive Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Receive Mode in 802.11 g Mode from 1 GHz to 25000 MHz for both Vertical and Horizontal Polarizations
								Investigated in Desktop, Belt, and Charging Axis