

EXHIBIT Z – Spurious Radiated Emissions Test Data

FCC ID O2Z-BT1

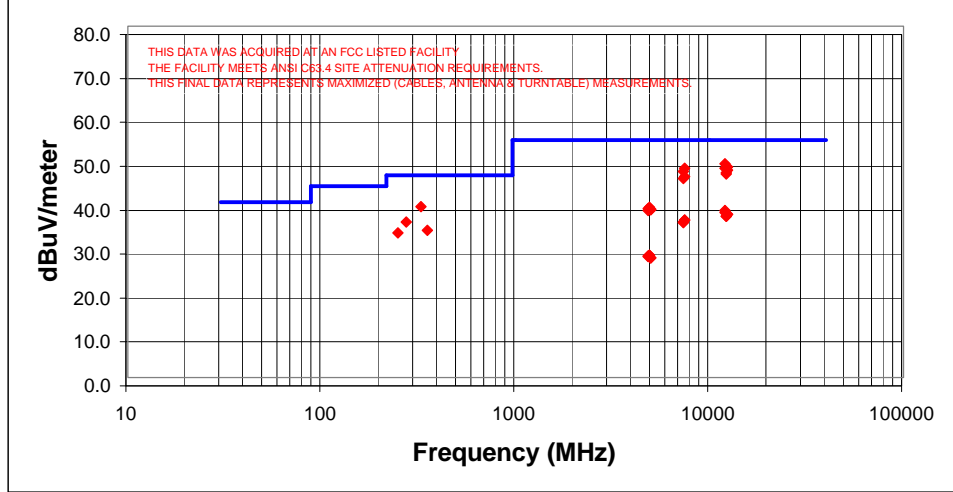
Northwest EMC, Inc., Radiated and Conducted Emissions Data Sheets Rev 3.3
10/09/99

EUT: Bluetooth/Ambler	Serial Number: RJ050100	Job Number: INSC0002	Date: 05/01/00
Manufacturer: Intel Corporation	Test Engineer: Greg Kiemel	Job Site: EV01	
Customer Reference Number:	Software:	Power:	

Comments: No hop, Antenna 'A':	Temperature (°C): 72	% Humidity: 45
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Test System			
EUT			
Test Equipment			

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)	Comment
12010.000	35.9	PK	39.0	HHRN	33.8	7.6	0.0	1.0	48.7	54.0	-5.3	Low band, No detectable signal
12400.000	35.7	PK	38.8	VHRN	34.3	7.8	0.0	1.0	48.0	54.0	-6.0	High band, No detectable signal
7440.000	38.1	PK	37.4	HHRN	33.8	5.9	0.0	1.0	47.6	54.0	-6.4	High band, No detectable signal
12010.000	34.8	PK	39.0	VHRN	33.8	7.6	0.0	1.0	47.6	54.0	-6.4	Low band, No detectable signal
12400.000	34.9	PK	38.8	HHRN	34.3	7.8	0.0	1.0	47.2	54.0	-6.8	High band, No detectable signal
324.999	54.5	PK	14.7	HLP A	31.3	1.0	194.0	1.0	38.9	46.0	-7.1	
7320.000	37.8	PK	37.1	HHRN	33.9	5.9	0.0	1.0	46.9	54.0	-7.1	Mid band, No detectable signal
12200.000	34.0	PK	38.9	HHRN	34.0	7.7	0.0	1.0	46.6	54.0	-7.4	Mid band, No detectable signal
12200.000	33.7	PK	38.9	VHRN	34.0	7.7	0.0	1.0	46.3	54.0	-7.7	Mid band, No detectable signal
7440.000	36.3	PK	37.4	VHRN	33.8	5.9	0.0	1.0	45.8	54.0	-8.2	High band, No detectable signal
7320.000	36.2	PK	37.1	VHRN	33.9	5.9	0.0	1.0	45.3	54.0	-8.7	Mid band, No detectable signal
272.993	53.0	PK	12.8	HBIC	31.3	0.9	208.0	1.1	35.4	46.0	-10.6	
350.999	48.5	PK	15.3	HLP A	31.3	1.0	197.0	1.0	33.5	46.0	-12.5	
246.999	51.3	PK	12.1	HLP A	31.3	0.9	198.0	1.1	33.0	46.0	-13.0	
4880.000	35.9	PK	32.9	HHRN	34.5	4.4	0.0	1.0	38.7	54.0	-15.3	Mid band, No detectable signal
4803.997	35.7	PK	32.8	VHRN	34.5	4.4	0.0	1.0	38.4	54.0	-15.6	Low band, No detectable signal
4880.000	35.6	PK	32.9	VHRN	34.5	4.4	0.0	1.0	38.4	54.0	-15.6	Mid band, No detectable signal
4960.000	35.4	PK	33.0	HHRN	34.6	4.5	0.0	1.0	38.3	54.0	-15.7	High band, No detectable signal
4960.000	35.3	PK	33.0	VHRN	34.6	4.5	0.0	1.0	38.2	54.0	-15.8	High band, No detectable signal
4803.997	35.4	PK	32.8	HHRN	34.5	4.4	0.0	1.0	38.1	54.0	-15.9	Low band, No detectable signal
12010.000	25.2	AV	39.0	VHRN	33.8	7.6	0.0	0.0	38.0	54.0	-16.0	Low band, No detectable signal
12010.000	24.8	AV	39.0	HHRN	33.8	7.6	0.0	0.0	37.6	54.0	-16.4	Low band, No detectable signal
12400.000	24.9	AV	38.8	VHRN	34.3	7.8	0.0	0.0	37.2	54.0	-16.8	High band, No detectable signal
12400.000	24.9	AV	38.8	HHRN	34.3	7.8	0.0	0.0	37.2	54.0	-16.8	High band, No detectable signal
12200.000	24.1	AV	38.9	HHRN	34.0	7.7	0.0	0.0	36.7	54.0	-17.3	Mid band, No detectable signal
12200.000	24.1	AV	38.9	VHRN	34.0	7.7	0.0	0.0	36.7	54.0	-17.3	Mid band, No detectable signal
7440.000	26.4	AV	37.4	HHRN	33.8	5.9	0.0	1.0	35.9	54.0	-18.1	High band, No detectable signal
7440.000	26.3	AV	37.4	VHRN	33.8	5.9	0.0	1.0	35.8	54.0	-18.2	High band, No detectable signal
7320.000	26.3	AV	37.1	VHRN	33.9	5.9	0.0	1.0	35.4	54.0	-18.6	Mid band, No detectable signal
7320.000	26.2	AV	37.1	HHRN	33.9	5.9	0.0	1.0	35.3	54.0	-18.7	Mid band, No detectable signal
4880.000	25.1	AV	32.9	HHRN	34.5	4.4	0.0	1.0	27.9	54.0	-26.1	Mid band, No detectable signal
4880.000	25.0	AV	32.9	VHRN	34.5	4.4	0.0	1.0	27.8	54.0	-26.2	Mid band, No detectable signal
4803.997	25.0	AV	32.8	HHRN	34.5	4.4	0.0	1.0	27.7	54.0	-26.3	Low band, No detectable signal
4803.997	24.9	AV	32.8	VHRN	34.5	4.4	0.0	1.0	27.6	54.0	-26.4	Low band, No detectable signal
4960.000	24.4	AV	33.0	HHRN	34.6	4.5	0.0	1.0	27.3	54.0	-26.7	High band, No detectable signal
4960.000	24.4	AV	33.0	VHRN	34.6	4.5	0.0	1.0	27.3	54.0	-26.7	High band, No detectable signal

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EUT: Bluetooth/Ambler	Serial Number: RJ050100	Job Number: INSC0002	Date: 05/05/00
Manufacturer: Intel Corporation	Test Engineer: Rod Peloquin	Job Site: EV01	
Customer Reference Number:	Software:	Power:	

Comments: **DSS mode, Antenna 'A'.**

Rod Peloquin

Temperature (°C):
72

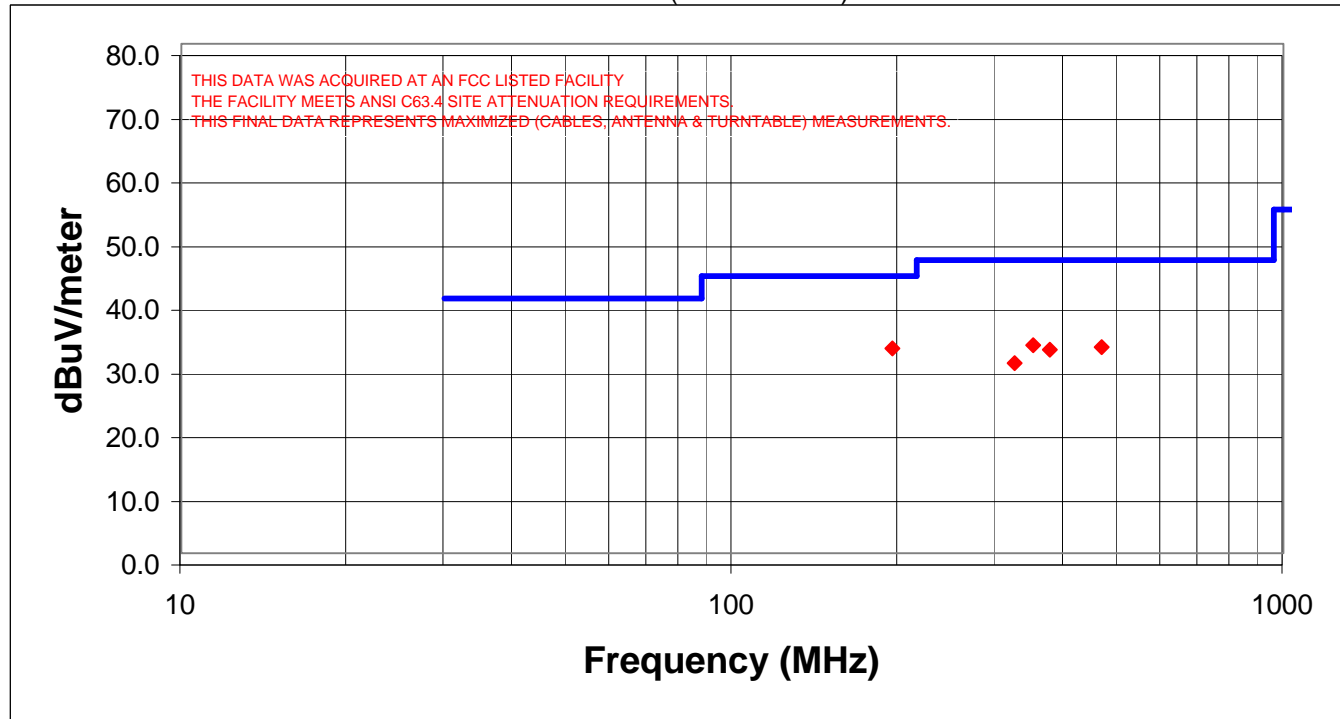
% Humidity:
45

Test System

EUT		

Test Equipment

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)
195.000	52.4	PK	10.3	HBIC	31.3	0.8	139.0	1.5	32.2	43.5	-11.3
351.000	47.7	PK	15.3	HLPA	31.3	1.0	261.0	1.0	32.7	46.0	-13.3
468.000	45.4	PK	17.4	HLPA	31.6	1.2	203.0	1.9	32.4	46.0	-13.6
377.000	46.5	PK	15.7	HLPA	31.3	1.1	261.0	1.0	32.0	46.0	-14.0
325.000	45.4	PK	14.7	HLPA	31.3	1.0	251.0	1.1	29.8	46.0	-16.2