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APPLICANT: BACKMI CORPORATION

FCC ID: RNDDA579B

TEST REPORT:

EXHIBITS:

TEST EQUIPMENT LIST

DEVICE	MODEL	MFGR	SERNO	DUE.CAL
EMI Test Receiver	ESVS 10	Rohde & Schwarz	830489/001	2004.04.25.
Spectrum Analyzer	8566B	Hewlett Packard	2311A02394	2004.03.17
Spectrum Display	85662A	Hewlett Packard	2542A12429	2004.03.17
Quasi-Peak Adapter	85650A	Hewlett Packard	2521A00887	2004.03.17
RF Preselector	85685A	Hewlett Packard	2648A00504	2004.03.17
Pre-Amplifier	8449B	Hewlett Packard	3008A00375	2004.03.17
Pre-Amplifier	8447F	Hewlett Packard	3113A05367	2004.03.17
Spectrum Monitor	EZM	Rohde & Schwarz	862304/007	2004.03.17
Bico-Antenna	94455-1	Eaton	977	2004.03.17
Log-Periodic Antenna	3146	EMCO	2051	2004.03.17
Dipole Antenna	TDA25/1/2	Electro Metrics	176/200/200	2004.03.17
Horn Antenna	SAS-571	A.H Systems	414	2004.03.17
Spectrum Analyzer	R3261C	Advantest	71720189	2004.04.26
LISN	KNW-242	Kyoritsu	8-923-2	2004.07.12
LISN	8012-50-R-24	Solar	8379121	2004.07.12

APPLICANT: BACKMI CORPORATION

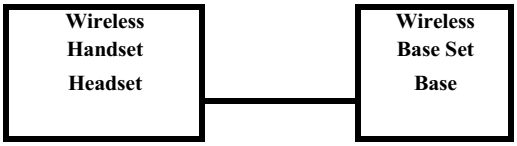
FCC ID: RNDDA579B

15.214(d) THIS DEVICE COMPLIES WITH THE SECURITY CODE REQUIREMENTS OF 15.214(d) (1) (2) AND (3) BY MEANS OF THE FOLLOWING:

THIS DEVICE HAS 24 MILLION POSSIBLE SECURITY CODES. ONE SECURITY CODE OUT OF 24 MILLION IS PRE-PROGRAMMED WHEN MANUFACTURED AT THE FACTORY. THE CPU CONTROLS THE RF FREQUENCY CHANNEL. AND THE ASIC CONTROLS ADPCM CODEC AND AUDIO SIGNAL SWITCHING ALSO SET UP THE SPREADING CODE. BEFORE THE COMMUNICATION LINK IS EXTABLISHED, THE DEVICE SEARCHES FOR A VACANT RF CHANNEL AND THEN TRANSMITS RF SIGNAL ON THE VACANT CHANNEL.

PRODUCT DESCRIPTION :

This device is a 2.4GHz DSSS wireless system that can be used by the Police Department to record dialog between the police and a suspect. When a policeman arrests a suspect, he must read the Miranda Rights to suspect. At the scene, a the receiver which will be connected to the camcorder. Therefore, both the scene and sound can be recorded for further use.



TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC. Shielded interface cables were used in all cases except for cables connecting to the telephone line and the power cords. A test program was run which simulated a normal data transmission on a network.

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-1992 using a 50uH LISN. Both lines were observed. The bandwitch of the spectrum analyzer was 10kHz with an appropriate sweep speed. The ambient temperature of the UUT was 74°F with a humidty of 44%.

BANDWIDTH 6.0dB : The measurement were made with the spectrum analyzer's resolution bandwidth(RBW) = 100kHz and the video bandwidth(VBW) = 300 kHz and the span set as shown on plot.

POWER OUTPUT : The RF power output was measured at the antenna feed point by removing the permanent antenna and connecting the UUT to a peak power meter, HP Model No. 8566B.

ANTENNA CONDUCTED EMISSIONS : The RBW = 100 kHz, VBW > or = RBW and the spectrum was scanned from 30 MHz to the 10th Harmonic of the fundamental.

RADIATION INTERFERENCE : The test procedure used was ANSI STANDARD C63.4-1992 using a HEWLETT PACKARD spectrum analyzer with a preselector. The bandwidth(RBW) of the spectrum analyzer was 100kHz up to 1GHz and 1.0MHz above 1 GHz with an appropriate sweep speed. The VBW above 1.0GHz was = 1.0 MHz. The analyzer was calibrated in dB above a microvolt at the ourput of the antenna. The ambient temperature of the UUT was 74°F with a humidity of 55%.

15,247 (d) POWER SPECTRAL DENSITY. The peak within the pass band was located with a RBW set to 30 kHz and span of 5MHz, slightly greater than the 6dB bandwidth, then the emission was centered on the display and the span and RBW reduced. A 1.5 MHz span, 3 kHz RBW, and a sweep time to sweep time set to 500 seconds. Since spectral line spacing could not be resolved, the noise power measured using the noise power density and adding the correction of 35dB and any attenuation used was added.

2.1033 (b) (4)

ANTENNA AND GROUND SYSTEM :

This unit uses a short, inductively loaded, antenna element for the base unit and the handset. The antenna is permanently attached to the unit and no provision is made for connection to an exteranl antenna.

No ground connection is provided. The only ground in use is the ground plane on the printed circuit board.

APPLICANT:	**BACKMI CORPORATION**
FCC ID:	**RNDDA579B**
NAME OF TEST:	**POWER LINE CONDUCTED INTERFRENCE**
RULES PART NUMBER:	**15.207**

MINIMUM REQUIREMENTS :	**FREQUENCY MHz**	**LEVEL dBuV**
	0.450-30	**48 dBuV or 250uV**

TEST RROCEDURE : **ANSI STANDARD C63.4 - 1992**

THE HIGHEST EMISSION READ FOR LINE 1 WAS 38dBuV @ 0.256 MHz

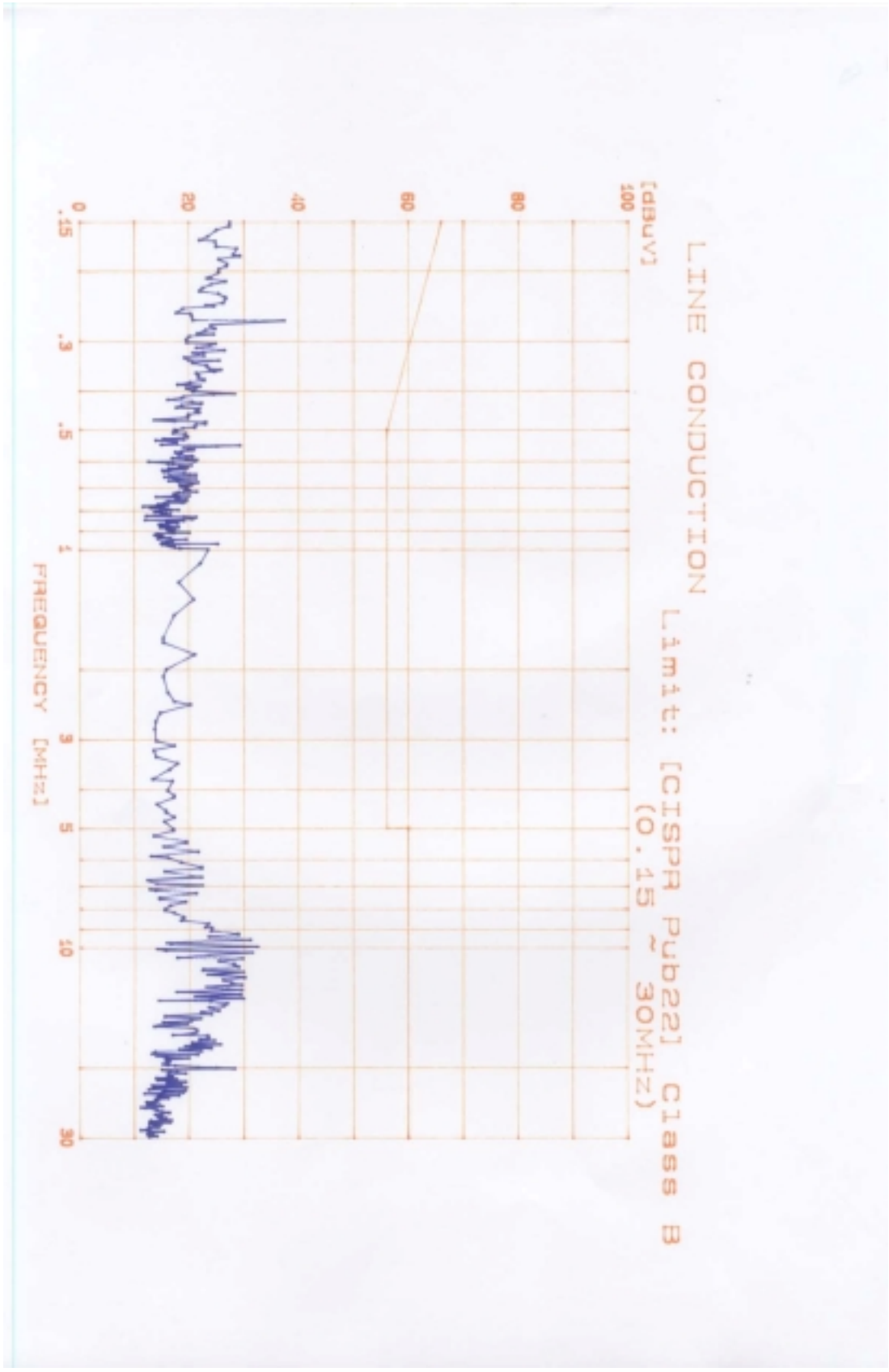
THE HIGHEST EMISSION READ FOR LINE 2 WAS 32.5uV @ 9.985 MHz

THE GRAPHS ARE ON THE FOLLOWING PAGES REPRESENT
THE EMISSIONS READ FOR POWERLINE CONDUCTED FOR THIS DEVICE.

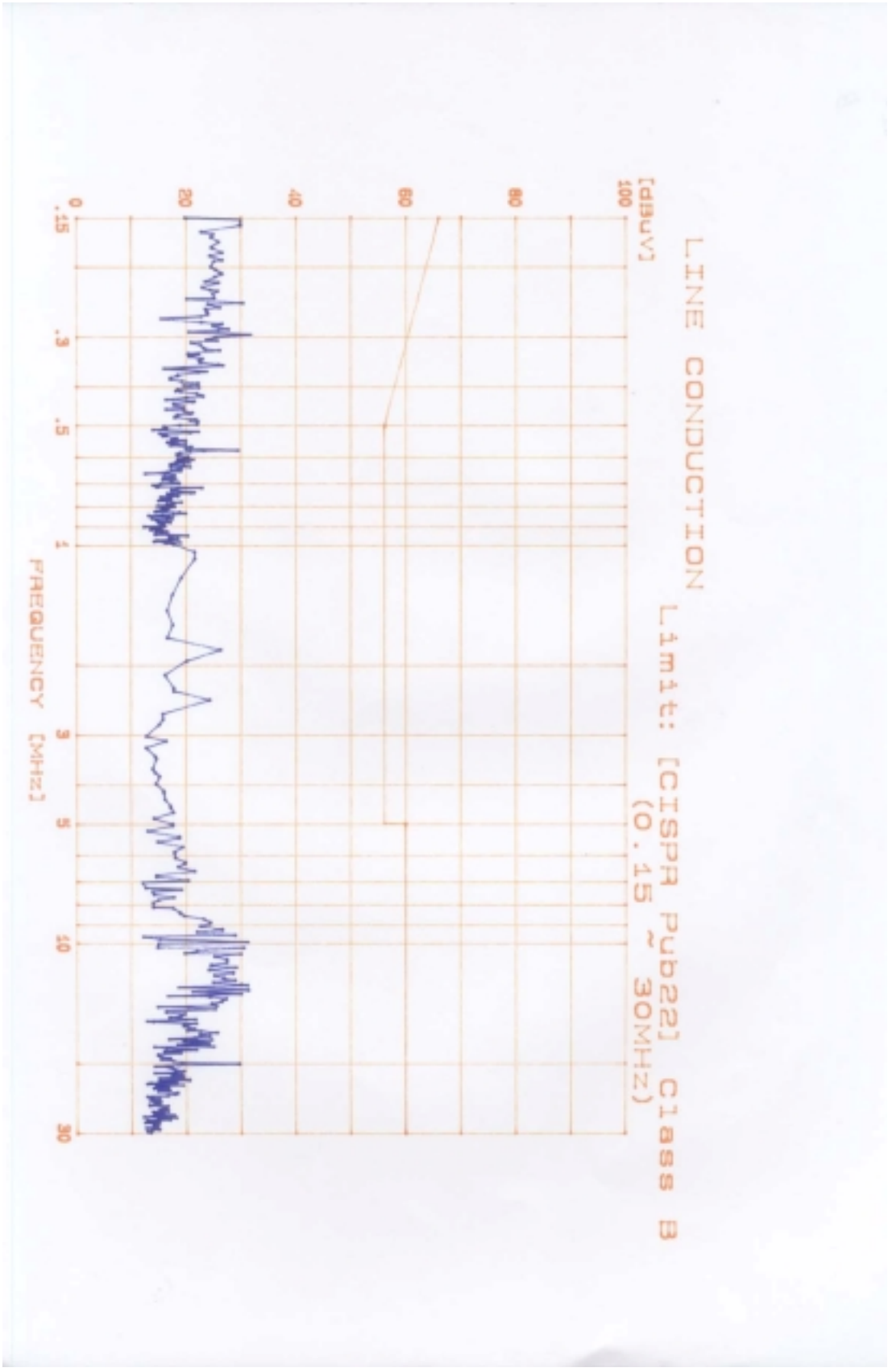
TEST RESULTS: Both lines were observed with UUT transmitting.
The measurements indicate that the unit DOES appear to meet the FCC
requirements for this class of equipment

PERFORMED BY : Kyoung M Choi **DATE:Nov,21.03**

LINE 1


LINE CONDUCTION
Limit: [CISPR Pub22] Class B
(0.15 ~ 30MHz)
[dBuV]
100
80
60
40
20
0
.15
.3
.5
1
3
5
10
30
FREQUENCY [MHz]

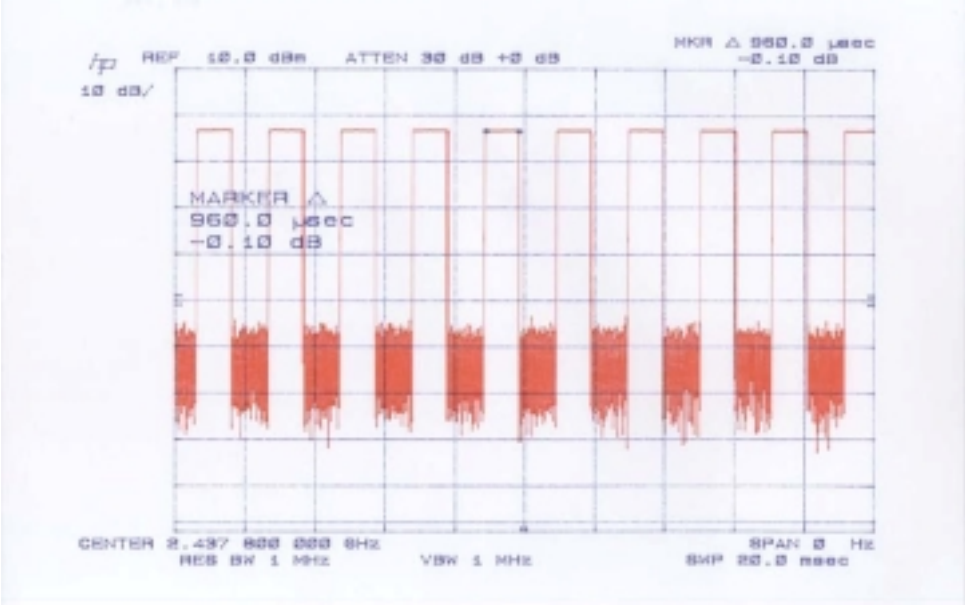
LINE 2


LINE CONDUCTION
Limit: [CISPR Pub22] Class B
(0.15 ~ 30MHz)
[dBuV]
100
80
60
40
20
0
.15
.3
.5
1
3
5
10
30
FREQUENCY [MHz]

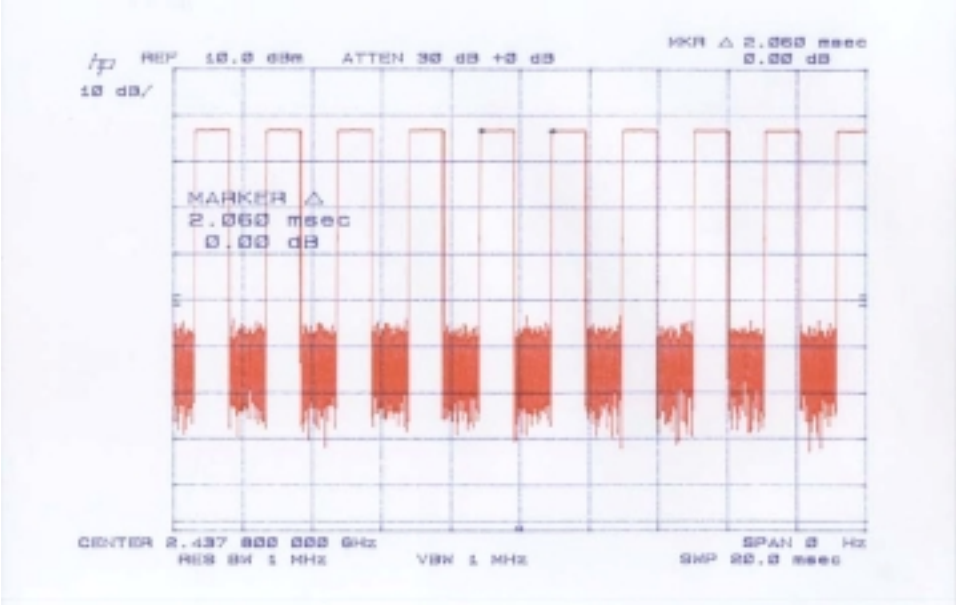
BASE

Duty cycle under normal operation **BASE**

T-Duty



T-Cycle



*** Duty factor = 20log (Twidth/Tperiod) = 20log (960*10-6 / 2.06 * 10-3) = -6.632**

APPLICANT: **BACKMI CORPORATION**

FCC ID: **RNDDA579B**

NAME OF TEST: **OCCUPIED BANDWIDTH (Conducted)**

RULES PART NUMBER: **15.247**

15.247(a) (2)

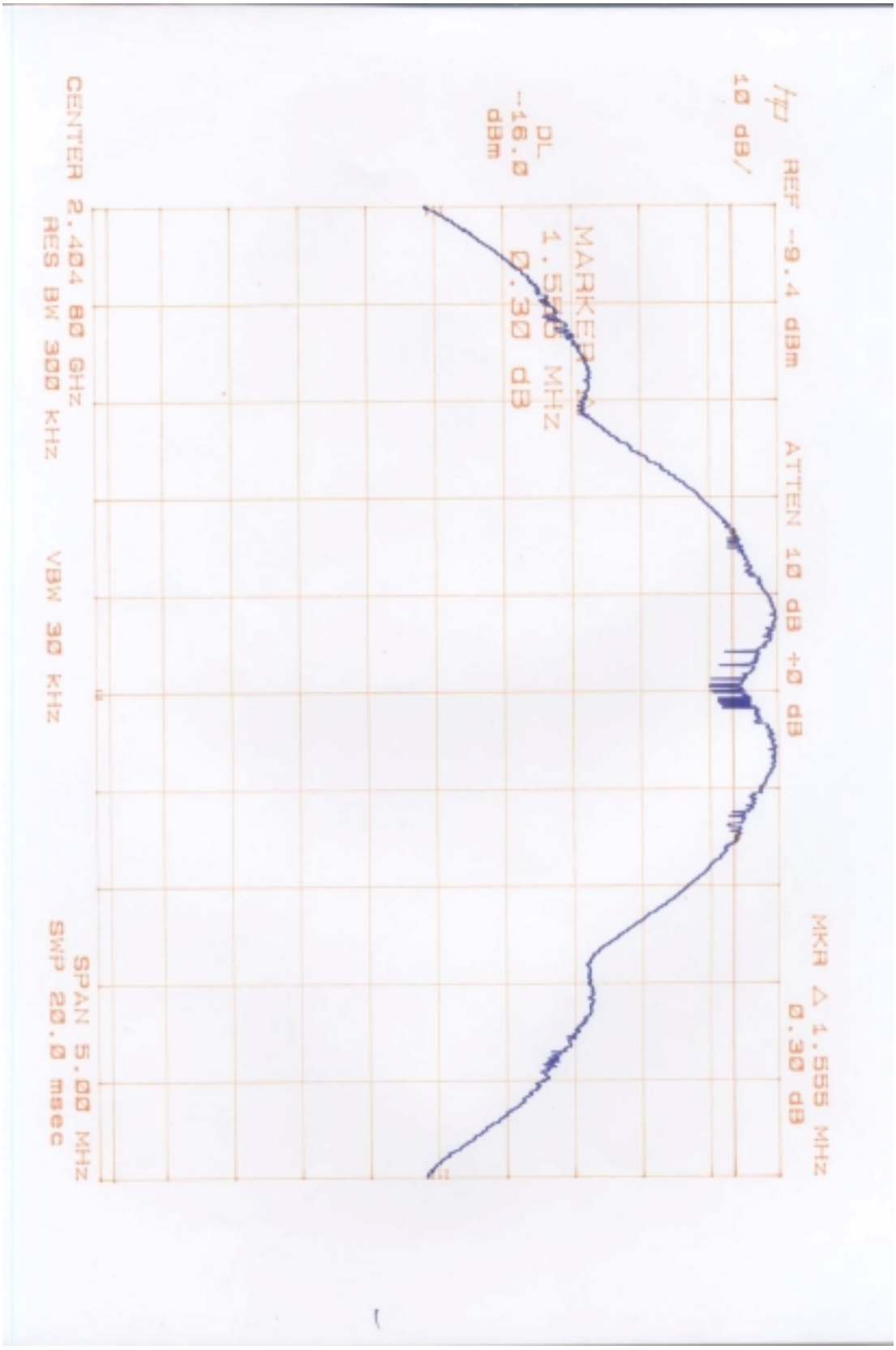
6dB bandwidth shall be at lest 500kHz. As shown in the accompanying plots. The bandwidth was measured at three places in the band and the narrowest is reported below.

Base 6dB Bandwidth= 1.490 Mhz

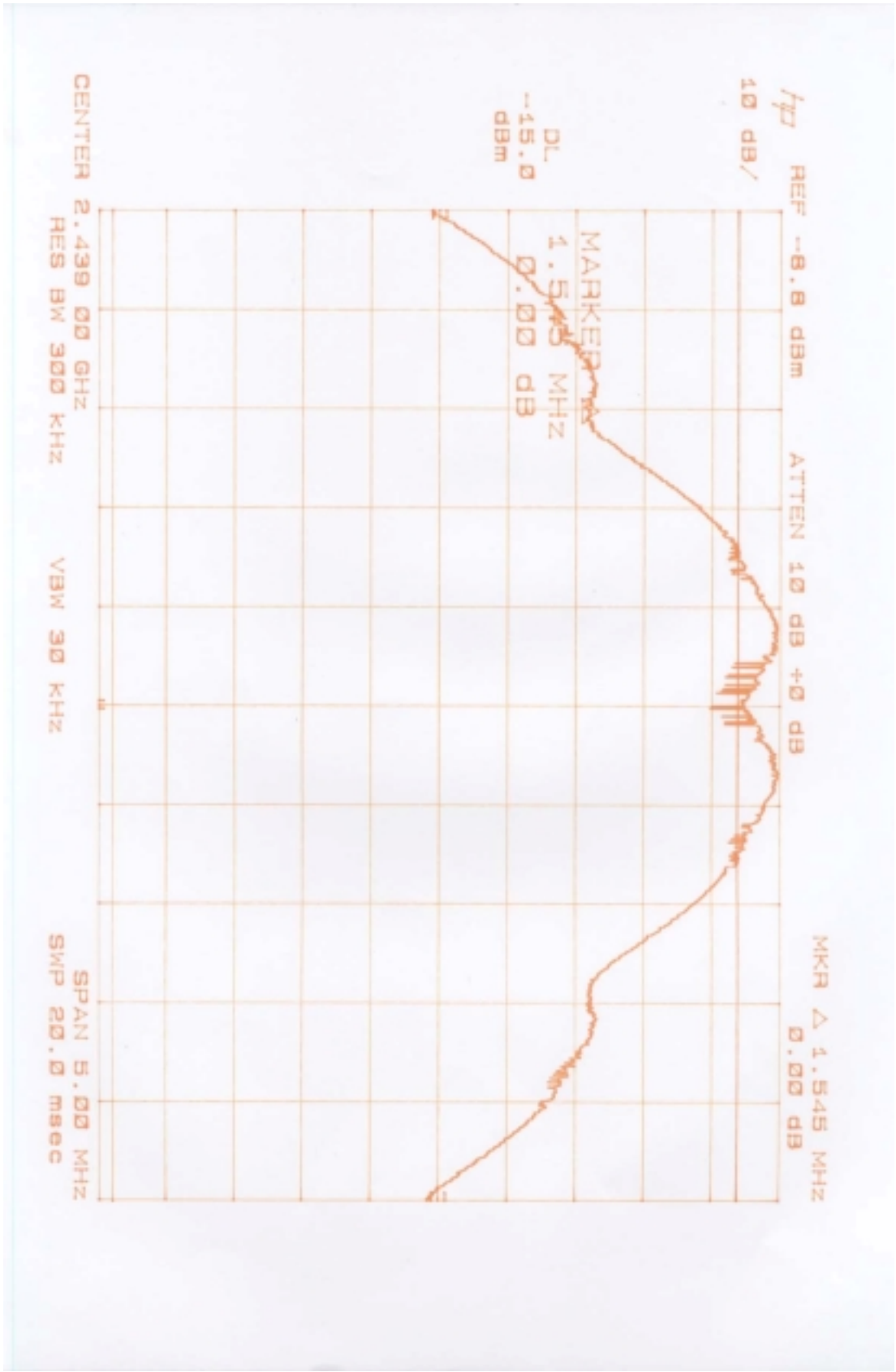
Channal	MHz
1CH	1.555
20CH	1.545
40CH	1.490

BASE **OCCUPIED BANDWIDTH**

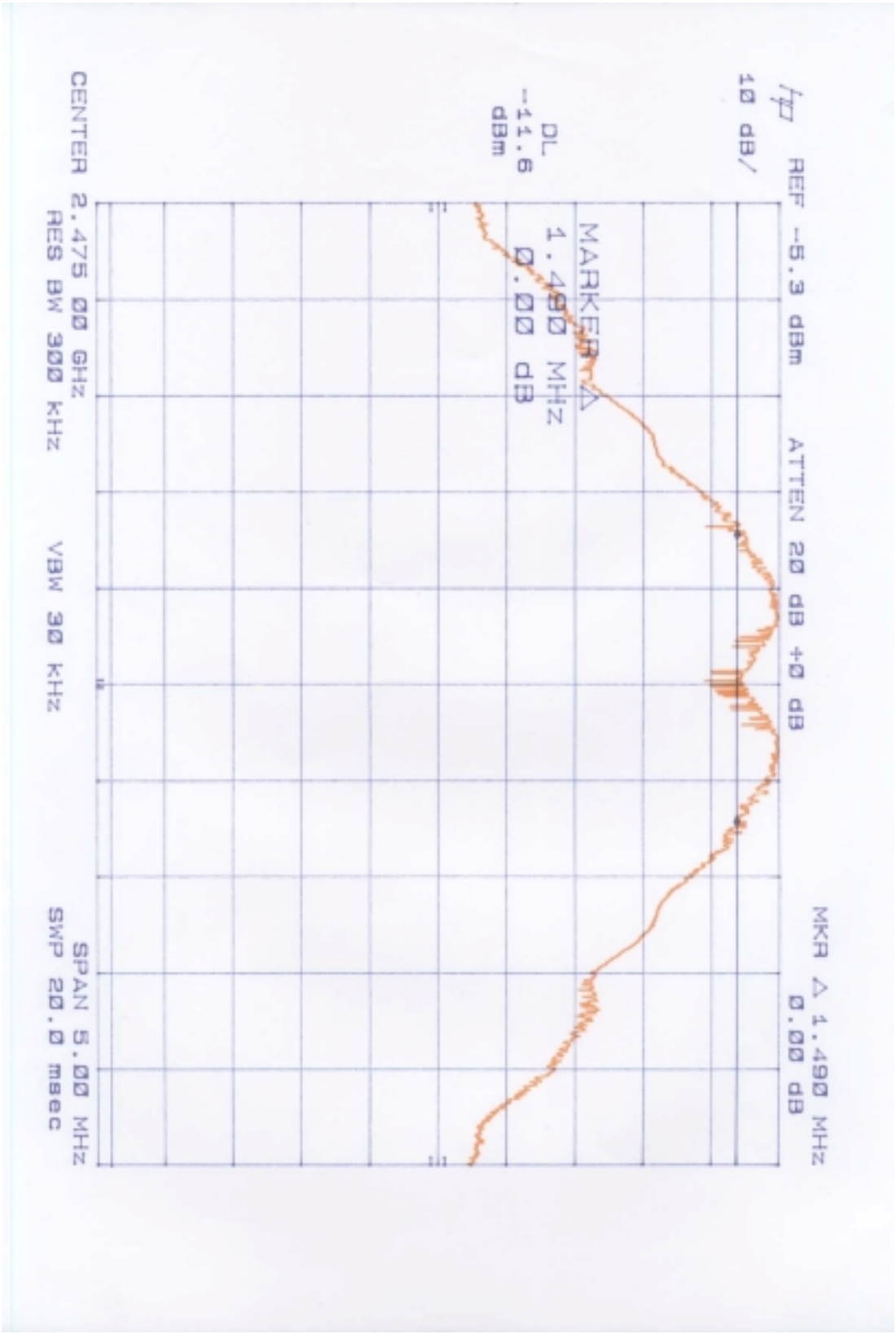
CH1



CH20 **OCCUPIED BANDWIDTH**



CH40 **OCCUPIED BANDWIDTH**



APPLICANT: **BACKMI CORPORATION**

FCC ID: **RNDDA579B**

NAME OF TEST: **PEAK POWER OUTPUT (Conducted)**

RULES PART NUMBER: **15.247 (B)**

**The maximum peak output power shall mot exceed 1 watt (30dBm)
If directional transmitting anttennas with a gain of more than 6 dBi
are used, the power shall be reduced y the amont in dB that
the directional gain of the antenna exceed 6 dBi.**

**Both the base and headset have a maxium power output of less than
+30 dBm. Power was measured by disconnecting the antennas and measurung
across a 50ohm load as recommended by the manufacturer using a HP
spectrum Analyzer model 8566B. The antennas are non directional and do not
exceed 6 dBi gain. The power output was measured at three places .**

Base	CHANNEL	dBm	mW	LIMIT
	1 CH	-4.18	0.381	2400-2483.5MHz
	20CH	-2.30	0.500	1.0 WATT
	40CH	1.20	1.318	or +'30dBm

HAMONICS

1CH	dBm	20CH	dBm	40CH	dBm
4.8096	-55.1	4.8780	-53.2	4.9500	-54.6
7.2144	-62.1	7.3170	-60.2	7.4250	-61.9
9.6192	-65.6	9.7560	-66.0	9.9000	-64.5
12.0240	-63.9	12.1950	63.0	12.3750	-637.0
14.4288	-60.7	14.6340	62.5	14.8500	-64.0

APPLICANT:	**BACKMI CORPORATION**
FCC ID:	**RNDDA579B**
NAME OF TEST:	**RADIATED SUPURIOUS EMISSIONS**
RULES PART NUMBER:	**15.247 (C)**
REQUIREMENTS:	**Emissions that fall in the restricted bands (15.205). These emissions must be less than or equal to 500 Uv/m (54 dBuV/m). Spurious not in a restricted band must be 20 dBc.**

DATA NEXT PAGES

SAMPLE CALCULATION: FSdBuV/m = MR (dBuV) + ACFdB + C.F.

METHOD OF MEASURMENT: **The procedure used was ANSI STANDARD C63.4 1991. When an emission was found, the table was rotated to procduce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worse case emissions were reported. The spectrum was scanned from 30 MHz to 10 GHz using a Hewlett Packard Model 8566B Spectrum Analyzer, Hewlett Packard Model 85685A Preselector, Hewlett Packard Model 85650A Quasi-Peak Adaptor, and an appropriate antenna. Low loss coax was used above 1 GHz. Measurements were made at Timco Engineering, Inc. 849 NW State Road 45 Newberry, F1.**

TEST RESULTS : The unit DOES meet the FCC requirements.

PERFORMED BY :

DATA OF SUPURIOUS EMISSIONS(30MHz to 1000MHz)

APPLICANT: **BACKMI CORPORATION.** **FCC ID: RNDDA579B**

RULES PART NUMBER : **15.209** **Mode: Transmitting (ch1:2.4048)**

Model: DA579 Wireless Headset-BASE

QP DETECT

No	Frequency (MHz)	Result (dBuv)	Polar	Ant Height	Antenna Factor	Cable Loss	Limit value (dBuv)	Reading (dBuv)	Margin (dBuv)
1	49.36	34.2	H	4.0	11.0	1.5	40.0	21.7	-5.8
2	96.05	37.0	V	2.0	10.9	2.4	43.0	23.7	-6.0
3	106.85	36.0	H	3.1	11.1	2.5	43.0	22.4	-7.0
4	122.64	36.9	H	2.5	11.3	2.8	43.0	22.8	-6.1
5	130.65	38.7	H	3.2	12.8	2.9	43.0	23.0	-4.3
6	138.72	38.0	H	2.8	14.8	2.9	43.0	20.3	-5.0
7	141.45	33.6	H	2.6	15.3	3.0	43.0	15.3	-9.4
8	154.60	36.3	V	2.1	16.9	3.1	43.0	16.2	-6.7
9	157.20	38.5	H	3.0	17.0	3.2	43.0	18.3	-4.5
10	177.64	38.0	H	3.1	15.0	3.4	43.0	19.6	-5.0
11	189.54	39.0	V	1.5	13.6	3.5	43.0	21.9	-4.0
12	234.61	37.8	H	2.5	11.1	4.0	46.0	22.7	-8.2
13	245.27	34.4	V	1.2	11.6	4.1	46.0	18.7	-11.6
14	306.42	33.7	V	1.6	15.9	4.7	46.0	13.1	-12.3
15	423.84	31.8	H	2.4	15.8	5.8	46.0	10.2	-14.2
16	537.26	33.2	V	1.7	17.9	6.9	46.0	8.4	-12.8
17	576.28	35.2	V	1.3	18.5	7.3	46.0	9.4	-10.8
18	880.07	41.7	H	2.3	23.6	9.8	46.0	8.2	-4.3

METHOD OF MEASURMI The procedure used was ANSI STANDARD C63.4 1991. When an emission was found, the table was rotated to procduce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worse case emissions were reported. The spectrum was scanned from 30 MHz to 1000MHz using a Hewlett Packard Model 8566B Spectrum Analyzer, Hewlett Packard Model 85685A Preselector, Hewlett Packard Model 85650A Quasi-Peak Adaptor, and an appropriate antenna. Low loss coax was used above 1 GHz. Measurements were made at Timco Engineering, Inc. 849 NW State Road 45 Newberry, F1.

TEST RESULTS : The unit DOES meet the FCC requirements.

DATA OF SUPURIOUS EMISSIONS(30MHz to 1000MHz)

APPLICANT: **BACKMI CORPORATION.** **FCC ID: RNDDA579B**

RULES PART NUMBER : **15.209** **Mode: Transmitting (ch20:2.4390)**

Model: DA579 Wireless Headset-BASE

QP DETECT

No	Frequency (MHz)	Result (dBuv)	Polar	Ant Height	Antenna Factor	Cable Loss	Limit value (dBuv)	Reading (dBuv)	Margin (dBuv)
1	49.06	34.3	H	4.0	11.1	1.5	40.0	21.7	-5.7
2	106.85	37.0	V	2.0	11.1	2.5	43.0	23.4	-6.0
3	112.10	34.2	H	3.1	11.0	2.6	43.0	20.6	-8.8
4	122.63	37.8	H	2.5	11.3	2.8	43.0	23.7	-5.2
5	141.45	37.0	H	3.2	15.3	3.0	43.0	18.7	-6.0
6	144.15	38.3	H	2.8	15.8	3.0	43.0	19.5	-4.7
7	154.60	38.7	H	2.6	16.9	3.1	43.0	18.6	-4.3
8	168.01	38.1	V	2.1	16.3	3.3	43.0	18.5	-4.9
9	177.63	38.8	H	3.0	15.0	3.4	43.0	20.4	-4.2
10	186.85	38.2	H	3.1	13.9	3.5	43.0	20.9	-4.8
11	309.07	38.9	V	1.5	15.8	4.7	46.0	18.4	-7.1
12	423.86	31.8	H	2.5	15.8	5.8	46.0	10.2	-14.2
13	470.07	41.7	V	1.2	20.2	6.3	46.0	15.3	-4.3
14	481.24	40.1	V	1.6	19.0	6.4	46.0	14.7	-5.9
15	537.26	40.7	H	2.4	17.9	6.9	46.0	15.9	-5.3
16	556.47	40.7	V	1.7	18.3	7.1	46.0	15.3	-5.3
17	880.01	41.1	V	1.3	23.6	9.8	46.0	7.6	-4.9
18	891.04	41.9	H	2.3	23.5	9.9	46.0	8.4	-4.1

METHOD OF MEASURMI The procedure used was ANSI STANDARD C63.4 1991. When an emission was found, the table was rotated to procduce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worse case emissions were reported. The spectrum was scanned from 30 MHz to 1000MHz using a Hewlett Packard Model 8566B Spectrum Analyzer, Hewlett Packard Model 85685A Preselector, Hewlett Packard Model 85650A Quasi-Peak Adaptor, and an appropriate antenna. Low loss coax was used above 1 GHz. Measurements were made at Timco Engineering, Inc. 849 NW State Road 45 Newberry, F1.

TEST RESULTS : The unit DOES meet the FCC requirements.

DATA OF SUPURIOUS EMISSIONS(30MHz to 1000MHz)

APPLICANT: **BACKMI CORPORATION** **FCC ID: RNDDA579B**

RULES PART NUMBER : **15.209** **Mode: Transmitting (ch40:2.4750)**

Model: DA579 Wireless Headset-BASE

No	Frequency (MHz)	Result (dBuv)	Polar	Ant Height	Antenna Factor	Cable Loss	Limit value (dBuv)	Reading (dBuv)	Margin (dBuv)
1	79.36	31.7	H	4.0	7.9	2.1	40.0	21.7	-8.3
2	94.05	36.5	V	2.1	10.7	2.4	43.0	23.4	-6.5
3	120.27	37.4	V	2.3	10.9	2.7	43.0	23.8	-5.6
4	122.62	38.8	H	3.2	11.3	2.8	43.0	24.7	-4.2
5	141.45	37.0	H	3.5	15.3	3.0	43.0	18.7	-6.0
6	151.95	35.8	V	2.1	16.8	3.1	43.0	15.9	-7.2
7	154.60	38.7	V	1.8	16.9	3.1	43.0	18.6	-4.3
8	170.70	35.6	H	2.8	16.0	3.3	43.0	16.3	-7.4
9	177.62	37.9	V	3.5	15.0	3.4	43.0	19.5	-5.1
10	189.54	34.8	V	3.4	13.6	3.5	43.0	17.7	-8.2
11	423.86	31.9	H	1.9	15.8	5.8	46.0	10.3	-14.1
12	447.62	37.6	H	2.0	16.4	6.1	46.0	15.2	-8.4
13	470.03	40.6	V	1.6	20.2	6.3	46.0	14.2	-5.4
14	550.26	39.1	H	2.4	18.2	7.0	46.0	13.8	-6.9
15	666.82	38.4	V	1.4	20.8	8.1	46.0	9.5	-7.6
16	699.35	38.1	V	1.6	21.4	8.3	46.0	8.4	-7.9
17	872.26	41.0	H	2.4	23.6	9.8	46.0	7.6	-5.0
18	800.02	38.6	V	1.7	21.6	9.2	46.0	7.8	-7.4

METHOD OF MEASURMI The procedure used was ANSI STANDARD C63.4 1991. When an emission was found, the table was rotated to procduce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worse case emissions were reported. The spectrum was scanned from 30 MHz to 1000MHz using a Hewlett Packard Model 8566B Spectrum Analyzer, Hewlett Packard Model 85685A Preselector, Hewlett Packard Model 85650A Quasi-Peak Adaptor, and an appropriate antenna. Low loss coax was used above 1 GHz. Measurements were made at Timco Engineering, Inc. 849 NW State Road 45 Newberry, F1.

TEST RESULTS : The unit DOES meet the FCC requirements.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

APPLICANT :BACKMI CORPORATION
ULES PART NUMBE: 15.247 (C)
REQUIREMENT Emission that fall in the restricted bands (15.205). These emissins must be less than or equal to 500uV/m(54dBuV/m). Spurious not in a restricted band must be 20 dBc

FCC II RNDDA579B
Mode: Transmitting (ch1:2.4048)
Model: DA579 Wireless Headset-BASE

Koung M Choi
ENGINEER

AV DATECT(S/A:RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4048	42.1	50.2	27.60		3.25	0.00	-6.60		66.35	74.45	127.00	60.65	52.55
2	4.8096	41.3	46.9	33.10	35.60	4.42	0.00	-6.60		36.62	42.22	54.00	17.38	11.78
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.2144	39.1	33.9	36.10	38.10	5.53	0.00	-6.60	9.40	26.63	21.43	54.00	27.37	32.57
4	9.6192	35.7	32.4	38.30	38.50	6.48	0.00	-6.60	9.40	25.98	22.68	54.00	28.02	31.32
5	12.0240	32.0	31.8	40.50	38.50	7.50	0.00	-6.60	9.40	25.50	25.30	54.00	28.50	28.70
6	14.4288	33.0	33.1	41.20	38.50	8.30		-6.60	9.40	28.00	28.10	54.00	26.00	25.90

PK DATECT(S/A:RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4048	46.1	56.5	27.60		3.25	0.00	-6.60		70.35	80.75	127.00	56.65	46.25
2	4.8096	48.9	51.5	33.10	35.60	4.42	0.00	-6.60		44.22	46.82	74.00	29.78	27.18
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.2144	46.2	42.8	36.10	38.10	5.53	0.00	-6.60	9.40	33.73	30.33	74.00	40.27	43.67
4	9.6192	45.7	43.3	38.30	38.50	6.48	0.00	-6.60	9.40	35.98	33.58	74.00	38.02	40.42
5	12.0240	43.1	43.9	40.50	38.50	7.50	0.00	-6.60	9.40	36.60	37.40	74.00	37.40	36.60
6	14.4288	45.0	44.8	41.20	38.50	8.30	0.00	-6.60	9.40	40.00	39.80	74.00	34.00	34.20

REMARKS

* Test Distance 0.5m : Distance Factor (D-fac)=20log(3/1) = 9.45dB
* Duty factor = 20log (Twidth/Tperiod) = 20log (960*10-6 / 2.06 * 10-3) = -6.632
* Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

APPLICANT :BACKMI CORPORATION
FCC ID:RNDDA579B
RULES PART NUMBER: 15.247 (C)
Mode: Transmitting (ch40:2.4750)
REQUIREMENT Emission that fall in the restricted bands (15.205). These emissins must be less than or equal to 500uV/m(54dBuV/m). Spurious not in a restricted band must be 20 dBc
Model: DA579 Wireless Headset-BASE

ENGINEER

AV DATECT(S/A:RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4750	38.7	49.0	27.70		3.34	0.00	-6.60		63.14	73.44	127.00	63.86	53.56
2	4.9500	47.3	45.0	34.00	35.60	4.63	0.00	-6.60		43.73	41.43	54.00	10.27	12.57
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.4250	33.0	29.0	36.80	38.10	5.44	0.00	-6.60	9.40	21.14	17.14	54.00	32.86	36.86
4	9.9000	37.7	34.4	38.40	38.50	6.90	0.00	-6.60	9.40	28.50	25.20	54.00	25.50	28.80
5	12.3750	32.5	32.6	40.50	38.50	7.52	0.00	-6.60	9.40	26.02	26.12	54.00	27.98	27.88
6	14.8500	32.9	32.7	41.00	38.50	8.33	0.00	-6.60	9.40	27.73	27.53	54.00	26.27	26.47

PK DATECT(S/A:RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4750	46.5	52.5	27.70		3.34	0.00	-6.60		70.94	76.94	127.00	56.06	50.06
2	4.9500	52.1	50.6	34.00	35.60	4.63	0.00	-6.60		48.53	47.03	74.00	25.47	26.97
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.4250	42.8	39.5	36.80	38.10	5.44	0.00	-6.60	9.40	30.94	27.64	74.00	43.06	46.36
4	9.9000	44.7	43.6	38.40	38.50	6.90	0.00	-6.60	9.40	35.50	34.40	74.00	38.50	39.60
5	12.3750	42.1	43.8	40.50	38.50	7.52	0.00	-6.60	9.40	35.62	37.32	74.00	38.38	36.68
6	14.8500	42.8	44.4	41.00	38.50	8.33	0.00	-6.60	9.40	37.63	39.23	74.00	36.37	34.77

REMARKS

* Test Distance 0.5m : Distance Factor (D-fac)=20log(3/1) = 9.45dB

* Duty factor = 20log (Twidth/Tperiod) = 20log (960*10-6 / 2.06 * 10-3) = -6.632

* Except for the above table : All other spurious emissions were less than 20dB for the limit.

DATA OF SUPURIOUS EMISSIONS(1GHz to 26GHz)

APPLICANT :BACKMI CORPORATION **FCC ID:RNDDA579B**
RULES PART NUMBER: 15.247 (C) **Mode: Transmitting (ch20:2.4390)**
REQUIREMENT Emission that fall in the restricted bands (15.205). These emissins must be less than or equal to 500uV/m(54dBuV/m). Spurious not in a restricted band must be 20 dBc **Model: DA579 Wireless Headset-BASE**

ENGINEER

AV DATECT(S/A:RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4390	37.6	48.3	27.60		3.25		-6.60		61.85	72.55	127.00	65.15	54.45
2	2.8780	44.8	47.7	33.10	35.60	4.48		-6.60		40.18	43.08	54.00	13.82	10.92
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.3170	35.2	30.9	36.10	38.10	5.62		-6.60	9.40	22.82	18.52	54.00	31.18	35.48
4	9.7560	36.2	32.9	38.30	38.50	6.51		-6.60	9.40	26.51	23.21	54.00	27.49	30.79
5	12.1950	32.5	32.4	40.50	38.50	7.50		-6.60	9.40	26.00	25.90	54.00	28.00	28.10
6	14.6340	32.5	32.5	41.20	38.50	8.33		-6.60	9.40	27.53	27.53	54.00	26.47	26.47

PK DATECT(S/A:RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATTN	Duty	D-fac	RESULE		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS				HOR	VER	AV	HOR	VER
	[GHz]	[dBuV]		[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV]		dBuV/m	[dB]	
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor														
1	2.4390	46.1	56.5	27.60		3.25		-6.60		70.35	80.75	127.00	56.65	46.25
2	2.8780	48.9	51.5	33.10	35.60	4.48		-6.60		44.28	46.88	74.00	29.72	27.12
Test distance 3meter Result =Reading + ANT Factor -AmpGain +CABLELOSS +DutyFactor-D-Fac														
3	7.3170	46.2	42.8	36.10	38.10	5.62		-6.60	9.40	33.82	30.42	74.00	40.18	43.58
4	9.7560	45.7	43.3	38.30	38.50	6.51		-6.60	9.40	36.01	33.61	74.00	37.99	40.39
5	12.1950	43.1	43.9	40.50	38.50	7.50		-6.60	9.40	36.60	37.40	74.00	37.40	36.60
6	14.6340	45.0	44.8	41.20	38.50	8.33		-6.60	9.40	40.03	39.83	74.00	33.97	34.17

REMARKS

* Test Distance 0.5m : Distance Factor (D-fac)=20log(3/1) = 9.45dB

* Duty factor = 20log (Twidth/Tperiod) = 20log (960*10-6 / 2.06 * 10-3) = -6.632

* Except for the above table : All other spurious emissions were less than 20dB for the limit.