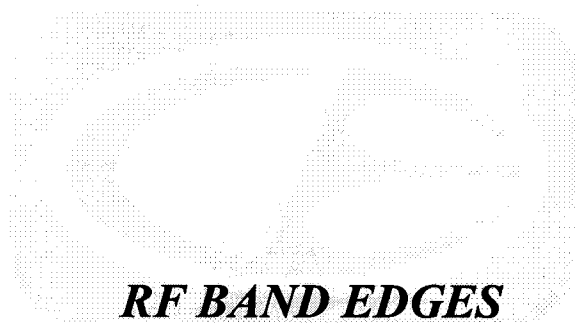




**COMPATIBLE
ELECTRONICS**

FCC ID: AMWUC668 Report Number: B91005D1



***RF BAND EDGES
FOR THE BASE***



114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

10-4-99

MR 902.00 MHz
-56.20 dBm

BAND EDGE OF BASE CHANNEL 1
REF 20.0 dBm ATTN 30 dB

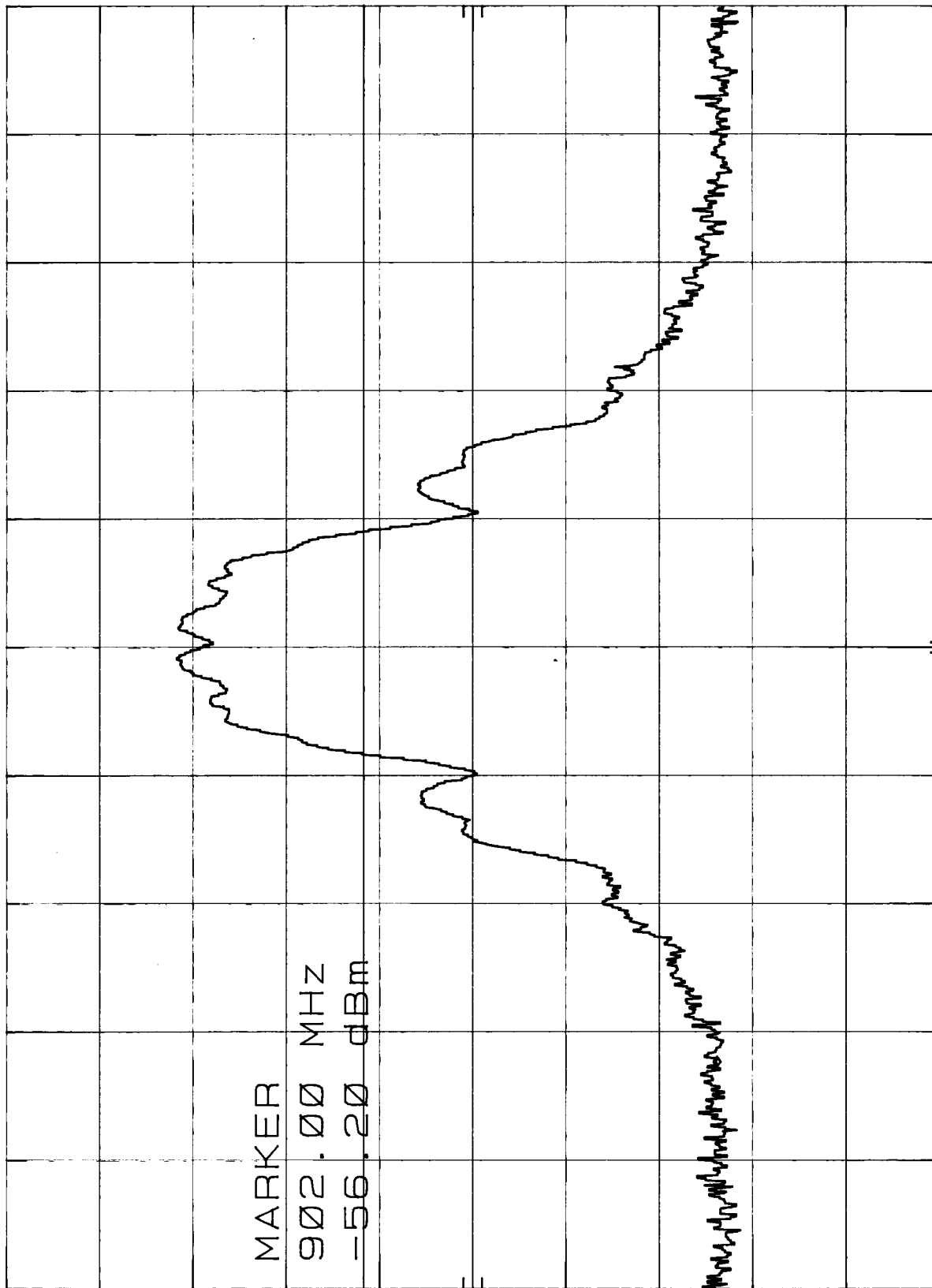
hp

10 dB/

MARKER
902.00 MHz
-56.20 dBm

DL
-18.3
dBm

CORR'D



STOP 910.2 MHz
SWP 20.0 msec

VBW 1 MHz

RES BW 100 kHz

START 900.2 MHz

10-4-99

BAND EDGE OF CHANNEL 20 - BASE
REF 20.0 dBm ATTEN 30 dB

MKR 928.00 MHz
-55.30 dBm

hp

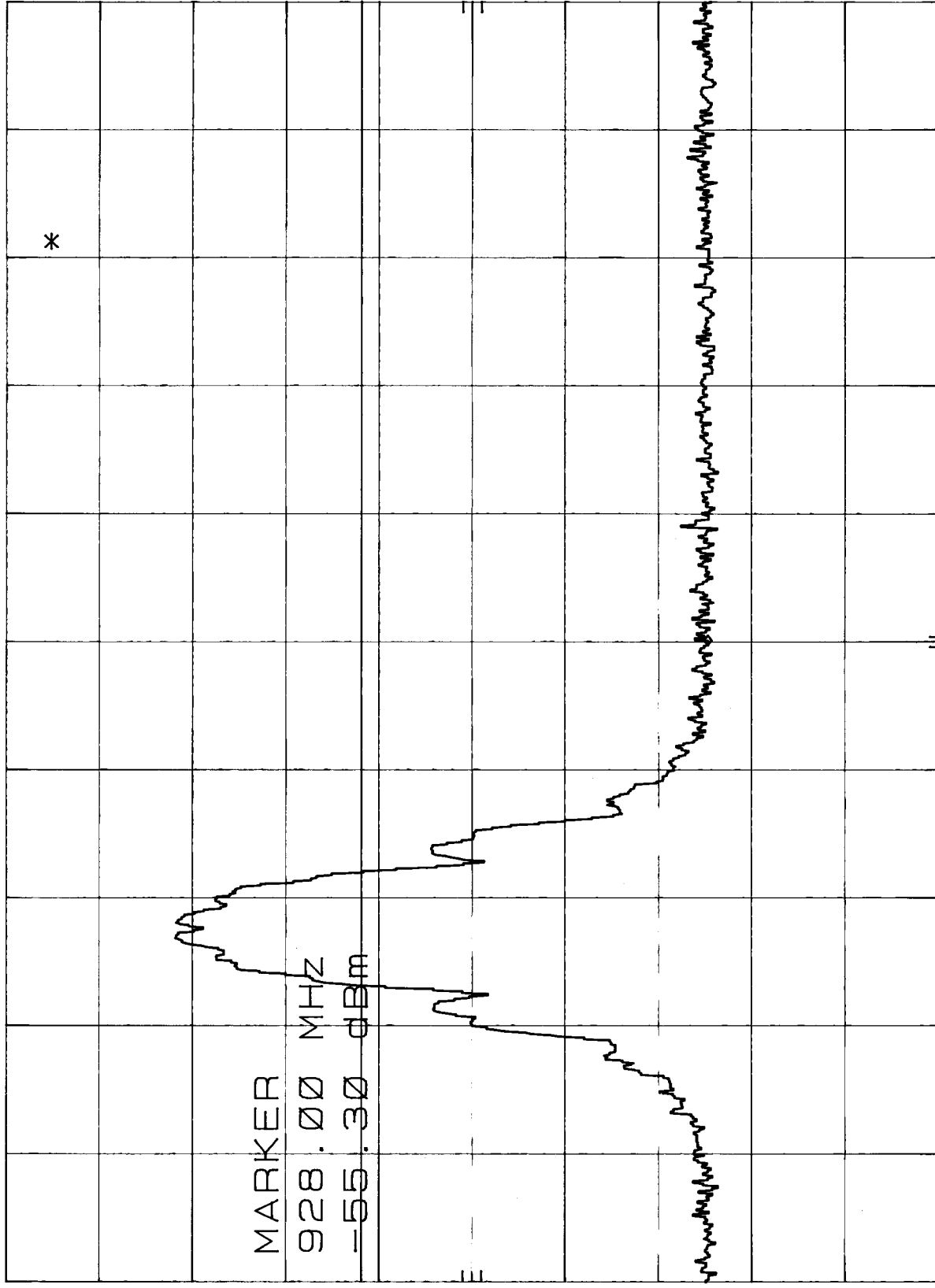
10 dB/

MARKER

928.00 MHz
-55.30 dBm

DL
-18.1
dBm

CORR'D



CENTER 928.0 MHz

RES BW 100 kHz

VBW 1 MHz

SPAN 20.0 MHz
SWP 20.0 msec



***RADIATED EMISSIONS
DATA SHEETS FOR THE HANDSET***



114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

Test location: Compatible Electronics
Customer : UNIDEN CORP. Date : 10/ 1/1999
Manufacturer : UNIDEN CORP. Time : 17.59
EUT name : 900 MHz SPREAD SPECTRUM PHONE Model: EXS2010
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00
Test Mode : HANDSET UNIT - SPURIOUS EMISSIONS
10 kHz to 30 MHz
TEMPERATURE 81 DEGREES F.
RELATIVE HUMIDITY 35%
TESTED BY: Kyle Fujimoto
KYLE FUJIMOTO

NO EMISSIONS FOUND FROM 10 kHz to 30 MHz
IN EITHER POLARIZATION FOR THE EUT

Test location: Compatible Electronics
 Customer : UNIDEN CORP. Date : 10/ 1/1999
 Manufacturer : UNIDEN CORP. Time : 15.30
 EUT name : 900 MHz SPREAD SPECTRUM PHONE Model: EXS2010
 Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
 Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00
 Test Mode : HANDSET UNIT - SPURIOUS EMISSIONS
 TEMPERATURE 90 DEGREES F.
 RELATIVE HUMIDITY 25%
 VERTICAL POLARIZATION 30 TO 300 MHz
 TESTED BY: Kyle Fujimoto
 KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1V	30.79	44.60	0.72	12.17	38.60	18.89	40.00	-21.11
2V	36.91	51.40	0.84	11.19	38.60	24.83	40.00	-15.17
3V	43.06	45.00	0.90	10.82	38.60	18.12	40.00	-21.88
4V	61.51	44.10	1.03	10.25	38.60	16.78	40.00	-23.22
5V	85.98	48.10	1.20	8.82	38.48	19.64	40.00	-20.36
6V	258.12	33.90	2.40	17.98	38.40	15.88	46.00	-30.12

Test location: Compatible Electronics
 Customer : UNIDEN CORP. Date : 10/ 1/1999
 Manufacturer : UNIDEN CORP. Time : 15.34
 EUT name : 900 MHz SPREAD SPECTRUM PHONE Model: EXS2010
 Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
 Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00
 Test Mode : HANDSET UNIT - SPURIOUS EMISSIONS
 TEMPERATURE 90 DEGREES F.
 RELATIVE HUMIDITY 25%
 HORIZONTAL POLARIZATION 30 TO 300 MHz
 TESTED BY: Kyle Fujimoto
 KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1H	30.80	45.10	0.72	12.17	38.60	19.39	40.00	-20.61
2H	36.92	43.50	0.84	11.19	38.60	16.93	40.00	-23.07
3H	43.07	47.80	0.90	10.82	38.60	20.92	40.00	-19.08
4H	61.52	39.90	1.03	10.25	38.60	12.58	40.00	-27.42
5H	85.99	46.80	1.20	8.82	38.48	18.34	40.00	-21.66
6H	258.13	35.00	2.40	17.99	38.40	16.99	46.00	-29.01

Test location: Compatible Electronics

Customer : UNIDEN CORP.

Date : 10/ 1/1999

Manufacturer : UNIDEN CORP.

Time : 15.24

EUT name : 900 MHz SPREAD SPECTRUM PHONE

Model: EXS2010

Specification: Fcc_B Test distance: 3.0 mtrs

Lab: D

Distance correction factor(20*log(test/spec)) : 0.00

HANDSET UNIT - SPURIOUS EMISSIONS

TEMPERATURE 90 DEGREES F.

RELATIVE HUMIDITY 25%

VERTICAL POLARIZATION 300 - 1000 MHz

TESTED BY: Kyle Fujimoto

KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1V	460.87	55.50	3.27	18.54	37.91	39.40	46.00	-6.60
2V	317.40	36.70	2.60	16.47	38.53	17.24	46.00	-28.76
3V	339.24	39.10	2.74	16.69	38.58	19.95	46.00	-26.05
4V	406.48	44.50	3.11	15.61	38.15	25.07	46.00	-20.93
5V	510.89	52.70	3.57	17.12	38.21	35.17	46.00	-10.83
6V	952.95	40.90	4.62	22.61	36.59	31.54	46.00	-14.46

Test location: Compatible Electronics

Customer : UNIDEN CORP.

Date : 10/ 1/1999

Manufacturer : UNIDEN CORP.

Time : 14.59

EUT name : 900 MHz SPREAD SPECTRUM PHONE

Model: EXS2010

Specification: Fcc_B Test distance: 3.0 mtrs

Lab: D

Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$)

: 0.00

Test Mode : HANDSET UNIT - SPURIOUS EMISSIONS

TEMPERATURE 90 DEGREES F.

RELATIVE HUMIDITY 25%

HORIZONTAL POLARIZATION 300 - 1000 MHz

TESTED BY: Kyle Fujimoto

KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1H	317.13	42.70	2.60	16.47	38.53	23.24	46.00	-22.76
2H	339.19	46.80	2.74	16.69	38.58	27.65	46.00	-18.35
3H	460.84	45.50	3.27	18.54	37.91	29.40	46.00	-16.60
4H	510.88	50.10	3.57	17.12	38.21	32.57	46.00	-13.43
5H	952.94	39.40	4.62	22.61	36.59	30.04	46.00	-15.96



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees) (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
905.2800	62.7	56.7 A	H	1.5	180	Y	20.9	5.0	0.0	82.6			
905.2800	70.6	64.6 A	V	1.0	270	Y	20.9	5.0	0.0	90.5			
914.8800	64.5	58.5 A	H	2.0	180	Y	21.3	4.9	0.0	84.7			
914.8800	62.1	66.1 A	V	1.0	90	Y	21.3	4.9	0.0	92.3			
923.5200	65.8	59.8 A	H	1.0	180	Y	21.6	4.8	0.0	86.2			
923.5200	70.7	64.7 A	V	1.0	180	Y	21.6	4.8	0.0	91.1			

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1810.5600	70.8	64.8 A	H	1.5	180	Y	LOW	24.5	3.5	35.6	57.2	-15.1	72.3	
1810.5600	72.4	66.4 A	V	2.0	180	Y	LOW	24.5	3.5	35.6	58.8	-13.5	72.3	
1829.7600	68.4	62.4 A	H	2.0	0	Y	MID	24.5	3.5	35.6	54.8	-17.5	72.3	
1829.7600	73.4	67.4 A	V	1.0	270	Y	MID	24.5	3.5	35.6	59.8	-12.5	72.3	
1847.0400	71.6	65.6 A	H	1.0	90	Y	HIGH	24.5	3.7	35.5	58.3	-14.0	72.3	
1847.0400	70.9	64.9 A	V	1.0	180	Y	HIGH	24.5	3.7	35.5	57.6	-14.7	72.3	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING



COMPATIBLE
ELECTRONICS

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2715.8400	59.6	53.6 A	H	1.0	90	Y	LOW	28.2	4.5	35.6	50.7	-3.3	54.0	
2715.8400	56.9	50.9 A	V	2.0	180	Y	LOW	28.2	4.5	35.6	48.0	-6.0	54.0	
2744.6400	60.5	54.5 A	H	2.0	0	Y	MID	28.2	4.5	35.6	51.6	-2.4	54.0	
2744.6400	59.3	53.3 A	V	2.0	0	Y	MID	28.2	4.5	35.6	50.4	-3.6	54.0	
2770.5600	58.0	52.0 A	H	1.0	270	Y	HIGH	29.7	4.6	35.2	51.1	-2.9	54.0	
2770.5600	55.3	49.3 A	V	1.5	90	Y	HIGH	29.7	4.6	35.2	48.4	-5.6	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees) (X,Y,Z)	EUT Axis	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3621.1200	53.2	47.2 A	H	1.0	180	Y	LOW	29.6	5.0	35.2	46.6	-7.4	54.0	
3621.1200	51.6	45.6 A	V	3.0	180	Y	LOW	29.6	5.0	35.2	45.0	-9.0	54.0	
3659.5200	55.3	49.3 A	H	2.5	180	Y	MID	29.6	5.0	35.2	48.7	-5.3	54.0	
3659.5200	50.2	44.2 A	V	2.0	180	Y	MID	29.6	5.0	35.2	43.6	-10.4	54.0	
3694.0800	55.7	49.7 A	H	1.5	0	Y	HIGH	29.6	5.0	35.2	49.1	-4.9	54.0	
3694.0800	54.7	48.7 A	V	2.0	180	Y	HIGH	29.6	5.0	35.2	48.1	-5.9	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING



COMPATIBLE
ELECTRONICS

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4526.4000	49.9	43.4 A	H	2.0	0	Y	LOW	30.9	5.6	34.1	45.8	-8.2	54.0	
4526.4000	51.0	45.0 A	V	2.0	180	Y	LOW	30.9	5.6	34.1	47.4	-6.6	54.0	
4574.4000	44.9	38.9 A	H	1.5	180	Y	MID	30.9	5.6	34.1	41.3	-12.7	54.0	
4574.4000	49.1	43.1 A	V	2.0	180	Y	MID	30.9	5.6	34.1	45.5	-8.5	54.0	
4617.6000	49.5	43.5 A	H	1.5	270	Y	HIGH	30.9	5.6	34.1	45.9	-8.1	54.0	
4617.6000	50.9	44.9 A	V	1.0	180	Y	HIGH	30.9	5.6	34.1	47.3	-6.7	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING



RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	UNIDEN CORPORATION			DATE	10/1/99
EUT	900 MHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET			DUTY CYCLE	50.00 %
MODEL	EXS2010			PEAK TO AVG	-6.02 dB
FCC ID:	AMWUC668			TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO			LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees) (X,Y,Z)	EUT Axis	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
5431.6800	50.0	44.0 A	H	2.0	270	Y	LOW	32.4	6.0	33.0	49.4	-4.6	54.0	
5431.6800	48.9	42.9 A	V	1.0	90	Y	LOW	32.4	6.0	33.0	48.3	-5.7	54.0	
5489.2800	47.2	41.2 A	H	1.0	0	Y	MID	32.4	6.0	33.0	46.6	-7.4	54.0	
5489.2800	48.7	42.7 A	V	1.0	180	Y	MID	32.4	6.0	33.0	48.1	-5.9	54.0	
5541.1200	47.1	41.1 A	H	2.0	0	Y	HIGH	32.4	6.0	33.0	46.5	-7.5	54.0	
5541.1200	47.8	41.8 A	V	1.5	180	Y	HIGH	32.4	6.0	33.0	47.2	-6.8	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

Note: No Harmonics found after
the 6th Harmonic for the Base