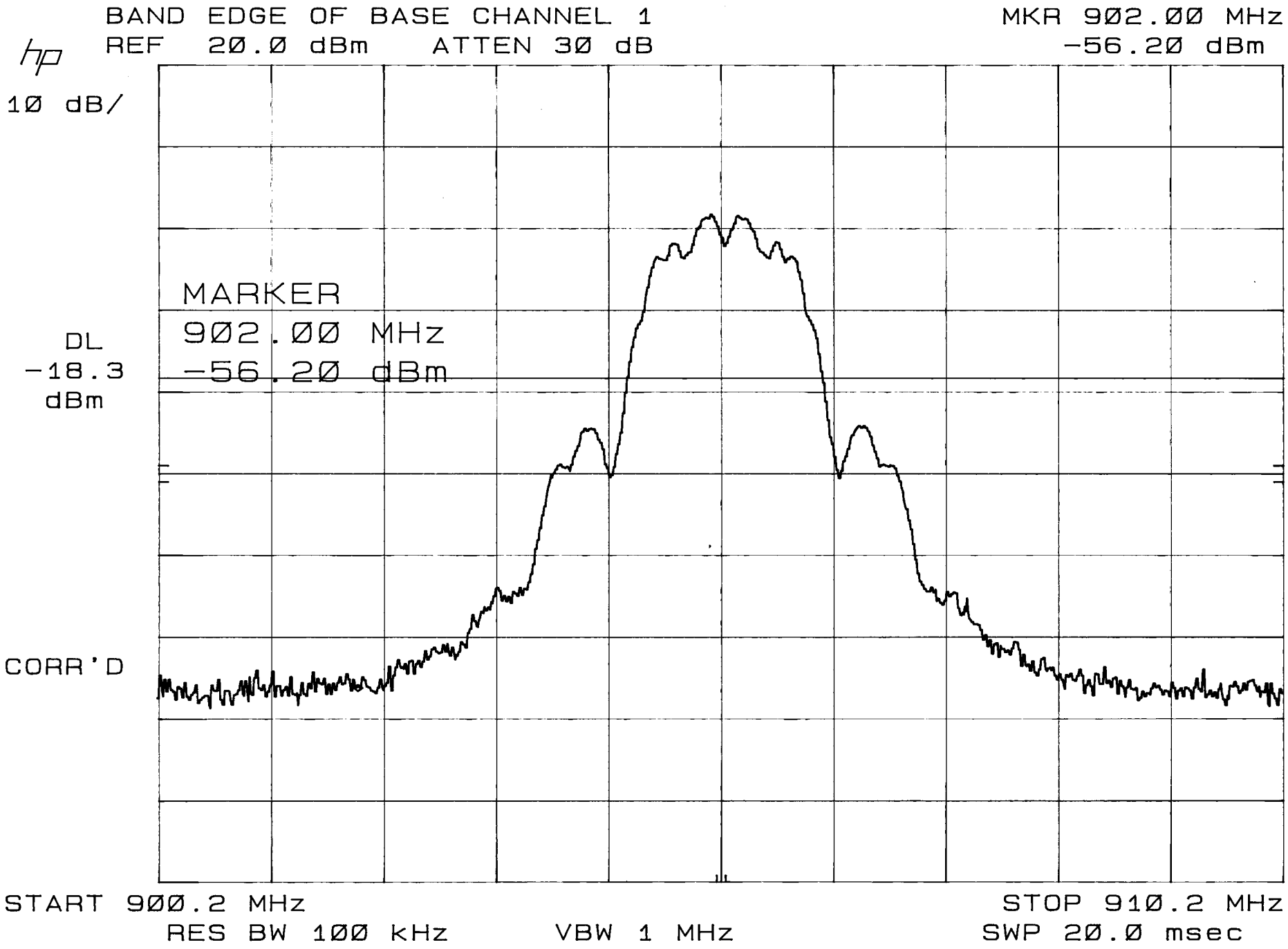
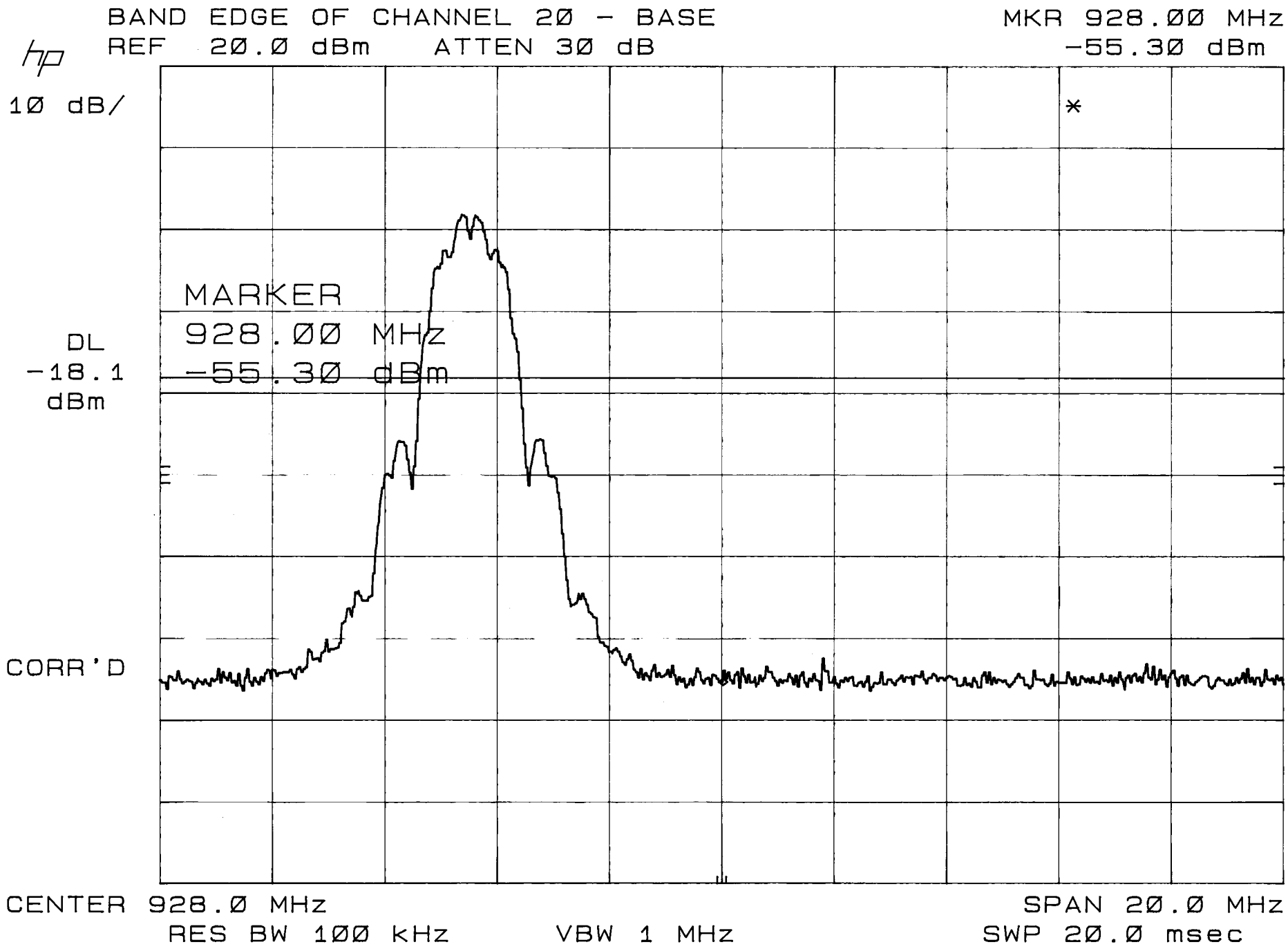
RF BAND EDGES FOR THE BASE

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

10-4-99


BAND EDGE OF BASE CHANNEL 1
REF 20.0 dBm ATTEN 30 dB
MKR 902.00 MHz
-56.20 dBm
10 dB/
MARKER
902.00 MHz
-56.20 dBm
DL
-18.3
dBm
CORR'D
START 900.2 MHz
STOP 910.2 MHz
RES BW 100 kHz
VBW 1 MHz
SWP 20.0 msec

10-4-99


BAND EDGE OF CHANNEL 20 - BASE
REF 20.0 dBm ATTEN 30 dB
MKR 928.00 MHz
-55.30 dBm
10 dB/
MARKER
928.00 MHz
-55.30 dBm
DL
-18.1
dBm
CORR'D
CENTER 928.0 MHz
SPAN 20.0 MHz
RES BW 100 kHz
VBW 1 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*log(test/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*log(test/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.
Manufacturer : UNIDEN CORP.
EUT name : 900 MHz SPREAD SPECTRUM PHONE
Specification: Fcc_B Test distance: 3.0 mtrs
Distance correction factor(20*log(test/spec)) :
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

Date : 10/ 1/1999
Time : 15.34
Model: EXS2010
Lab: D
: 0.00

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.
Manufacturer : UNIDEN CORP.
EUT name : 900 MHz SPREAD SPECTRUM PHONE
Specification: Fcc_B Test distance: 3.0 mtrs
Distance correction factor(20*log(test/spec)) : 0.00

Date : 10/ 1/1999
Time : 15.24
Model: EXS2010
Lab: D

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*log(test/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

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

RP-1

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
905.2800	62.7	56.7 A	H	1.5	180	Y	LOW	20.9	5.0	0.0	**82.6**			
905.2800	70.6	64.6 A	V	1.0	270	Y	LOW	20.9	5.0	0.0	**90.5**			
914.8800	64.5	58.5 A	H	2.0	180	Y	MID	21.3	4.9	0.0	**84.7**			
914.8800	62.1	66.1 A	V	1.0	90	Y	MID	21.3	4.9	0.0	**92.3**			
923.5200	65.8	59.8 A	H	1.0	180	Y	HIGH	21.6	4.8	0.0	**86.2**			
923.5200	70.7	64.7 A	V	1.0	180	Y	HIGH	21.6	4.8	0.0	**91.1**			

* 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
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)	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
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

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

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
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