TIMCO ENGINEERING INC.
849 NW State Road 45
Newberry, Florida 32669
http://www.timcoengr.com
888.472.2424 F 352.472.2030 email: tei@timcoengr.com

Test Report

Product Name: TRANSMITTER

FCC ID: SRW-KRVAR001

Applicant:

KEYLESS RIDE
800 PALOMA DRIVE SUITE 110
ROUND ROCK, TX 78664

Date Receipt: JANUARY 11, 2005

Date Tested: JANUARY 17, 2005

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TABLE OF CONTENTS

TEST REPORT CONTAINING:

EXHIBIT INCLUDING:

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EMC Equipment List

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
3-Meter OATS	TEI	N/A	N/A	Listed 1/13/03	1/12/06
3/10-Meter OATS	TEI	N/A	N/A	Listed 3/27/04	3/26/07
Tan Tower Spectrum Analyzer	HP	8566B Opt 462	3138A07786 3144A20661	CAL 9/23/03	9/23/05
Tan Tower RF Preselector	HP	85685A	3221A01400	CAL 9/23/03	9/23/05
Tan Tower Quasi-Peak Adapter	HP	85650A	3303A01690	CAL 9/23/03	9/23/05
Tan Tower Preamplifier	HP	8449B-H02	3008A00372	CAL 9/23/03	9/23/05
Blue Tower Spectrum Analyzer	HP	8568B	2928A04729 2848A18049	CAL 4/15/03	4/15/05
Blue Tower RF Preselector	HP	85685A	2620A00294	CAL 4/27/04	4/27/06
Blue Tower Quasi-Peak Adapter	HP	85650A	2811A01279	CAL 4/15/03	4/15/05
Silver Tower Spectrum Analyzer	HP	8566B Opt 462	3552A22064 3638A08608	CAL 3/22/04	3/22/06
Silver Tower RF Preselector	HP	85685A	2926A00983	CAL 3/22/04	3/22/06
Silver Tower Quasi-Peak Adapter	HP	85650A	3303A01844	CAL 3/22/04	3/22/06
Silver Tower Preamplifier	HP	8449B	3008A01075	CAL 3/22/04	3/22/06
Biconnical Antenna	Electro-Metrics	BIA-25	1171	CAL 4/26/01	4/26/03
Biconnical Antenna	Eaton	94455-1	1096	CAL 8/17/04	8/17/06
Biconnical Antenna	Eaton	94455-1	1057	CAL 3/18/03	3/18/05
BiconiLog Antenna	EMCO	3143	9409-1043	No Cal Required	
Log-Periodic Antenna	Electro-Metrics	LPA-25	1122	CAL 8/26/04	8/26/06
Log-Periodic Antenna	Electro-Metrics	LPA-30	409	CAL 3/4/03	3/4/05

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
Log-Periodic Antenna	Eaton	96005	1243	CAL 5/8/03	5/8/05
Dipole Antenna Kit	Electro-Metrics	TDA-30/1-4	152	CAL 3/21/01	3/21/04
Dipole Antenna Kit	Electro-Metrics	TDA-30/1-4	153	CAL 9/26/02	9/26/05
Double-Ridged Horn Antenna	Electro-Metrics	RGA-180	2319	CAL 2/17/03	2/17/05
Horn Antenna *(at 3 meters)	Electro-Metrics	EM-6961	6246	CAL 3/31/03	3/31/05
Horn Antenna *(at 10 meters)	Electro-Metrics	EM-6961	6246	CAL 6/4/03	6/4/05
Passive Loop Antenna	EMC Test Systems	EMCO 6512	9706-1211	CHAR 7/10/01	7/10/03
Harmonic Mixer with Horn Antenna	Oleson Microwave Labs	M08HW/A	F30425-1	CHAR 4/25/03	4/25/05
Harmonic Mixer with Horn Antenna	Oleson Microwave Labs	M12HW/A	E30425-1	CHAR 4/25/03	4/25/05
LISN	Electro-Metrics	ANS-25/2	2604	CAL 8/27/04	8/27/06
LISN	Electro-Metrics	EM-7820	2682	CAL 3/12/03	3/12/05
Termaline Wattmeter	Bird Electronic Corporation	611	16405	CAL 7/16/04	7/16/06
Termaline Wattmeter	Bird Electronic Corporation	6104	1926	CAL 7/16/04	7/16/06
Oscilloscope	Tektronix	2230	300572	CAL 7/3/03	7/3/05
System One	Audio Precision	System One	SYS1-45868	CHAR 4/25/02	4/25/04
Temperature Chamber	Tenney Engineering	TTRC	11717-7	CHAR 1/22/02	1/22/04
AC Voltmeter	HP	400FL	2213A14499	CAL 7/19/04	7/19/06
AC Voltmeter	HP	400FL	2213A14261	CHAR 10/15/01	10/15/03
AC Voltmeter	HP	400FL	2213A14728	CHAR 10/15/01	10/15/03
Digital Multimeter	Fluke	77	35053830	CHAR 1/8/02	1/8/04
Digital Multimeter	Fluke	77	43850817	CHAR	1/8/04

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
				1/8/02	
Digital Multimeter	HP	E2377A	2927J05849	CHAR 1/8/02	1/8/04
Multimeter	Fluke	FLUKE-77-3	79510405	CHAR 9/26/01	9/26/03
Peak Power Meter	HP	8900C	2131A00545	CAL 7/2/03	7/2/05
Power Sensor	Agilent Technologies	84811A	2551A02705	CAL 7/2/03	7/2/05
Power Meter	HP	432A	1141A07655	CAL 4/15/03	4/15/05
Power Sensor	HP	478A	72129	CAL 4/15/03	4/15/05
Power Meter And Sensor	Bird	4421-107 & 4022	0166 & 0218	CAL 4/16/03	4/16/05
Digital Thermometer	Fluke	2166A	42032	CAL 7/19/04	7/19/06
Thermometer	Traulsen	SK-128		CHAR 1/22/02	1/22/04
Thermometer	Extech	4028	14871-2	CAL 3/7/03	3/7/05
Hygro-Thermometer	Extech	445703	0602	CAL 10/4/02	10/4/04
Frequency Counter	HP	5352B	2632A00165	CAL 8/3/04	8/3/06
Frequency Counter	HP	5385A	2730A03025	CAL 3/7/03	3/7/05
Service Monitor	IFR	FM/AM 500A	5182	CAL 11/22/00	Out of Service
Comm. Serv. Monitor	IFR	FM/AM 1200S	6593	CAL 5/12/02	5/12/04
Signal Generator	HP	8640B	2308A21464	CAL 8/26/04	8/26/06
Sweep Generator	Wiltron	6648	101009	CAL 4/15/03	4/15/05
Sweep Generator	Wiltron	6669M	007005	CAL 3/3/03	3/3/05
Modulation Analyzer	HP	8901A	3435A06868	CAL 9/5/01	9/5/03
Modulation Meter	Boonton	8220	10901AB	CAL 4/15/03	4/15/05
Near Field Probe	HP	HP11940A	2650A02748	CHAR 2/1/01	Out of Service

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
BandReject Filter	Lorch Microwave	5BR4-2400/60-N	Z1	CHAR 4/17/03	4/17/05
BandReject Filter	Lorch Microwave	6BR6-2442/300-N	Z1	CHAR 4/17/03	4/17/05
BandReject Filter	Lorch Microwave	5BR4-10525/900-S	Z1	CHAR 4/12/03	4/12/05
Notch Filter	Lorch Microwave	5BRX-850/X100-N	AD-1	CHAR 4/17/03	4/17/05
High Pass Filter	Unk	3768(5)-400	041	CHAR 12/17/02	12/17/04
High Pass Filter	Microlab	HA-10N		CHAR 11/17/02	11/17/04
High Pass Filter	Microlab	HA-20N		CHAR 12/17/02	12/17/04
Audio Oscillator	HP	653A	832-00260	CHAR 12/1/02	12/1/04
Audio Generator	B&K Precision	3010	8739686	CHAR 12/1/02	12/1/04
Frequency Counter	HP	5382A	1620A03535	CHAR 3/2/01	Out of Service
Frequency Counter	HP	5385A	3242A07460	CAL 3/7/03	3/7/05
Amplifier	HP	11975A	2738A01969	No Cal Required	
Egg Timer	Unk			CHAR 2/1/02	2/1/04
Measuring Tape-20M	Kraftixx	0631-20		CHAR 2/1/02	2/1/04
Measuring Tape-7.5M	Kraftixx	7.5M PROFI		CHAR 2/1/02	2/1/04
Coaxial Cable #51	Insulated Wire Inc.	NPS 2251-2880	Timco #51	CHAR 1/23/02	1/23/04
Coaxial Cable #64	Semflex Inc.	60637	Timco #64	CHAR 1/24/02	1/24/04
Coaxial Cable #65	General Cable Co.	E9917 REGATTA II33/U	Timco #65	CHAR 1/23/02	1/23/04
Coaxial Cable #106	Unknown	Unknown	Timco #106	CHAR 1/23/02	1/23/04
Injection Probe	Fischer Custom Communications	F-120-9A	270	CAL 6/1/01	6/1/03
Power Line Coupling/Decoupling	Fischer Custom Communications	FCC-801-M2-16A	01048	CAL 8/29/01	8/29/03

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
Network					
Power Line Coupling/Decoupling Network	Fischer Custom Communications	FCC-801-M3-16A	01060	CAL 8/29/01	8/29/03
VHF/UHF Current Probe	Fischer Custom Communications	F-52	130	CAL 8/30/01	8/30/03
Passive Impedance Adapter	Fischer Custom Communications	FCC-801-150-50-CDN	01117 & 01118	CAL 8/29/01	8/29/03
Radiating Field Coil	Fischer Custom Communications	F-1000-4-8/9/10-L-1M	9859	CAL 10/15/98	10/15/00
EMC Immunity Test System	Keytek	CEMASTER	9810210	CAL 2/1/02	2/1/04
Compliance Test System - AC Power Source	California Instruments	1251RP	L05865	CAL 2/25/04	2/25/06
Compliance Test System - PACS-1 Module	California Instruments	PACS-1	X71484	CAL 2/25/04	2/25/06
Isotropic Field Probe	Amplifier Research	FP5000	22839		
Isotropic Field Probe	Amplifier Research	FP5000	300103		
Capacitor Clamp	Keytek	CM-CCL	9811359	No Cal Required	
Amplifier	Amplifier Research	10W1000B	23117	No Cal Required	
Field Monitor	Amplifier Research	FM5004	22288	No Cal Required	
ELF Meter	F. W. Bell	4060	Not Serialized		Out of Service
Standard Gain Horn 1.0-2.4 GHz	Polarad	CA-L	235	No Cal Required	
Standard Gain Horn 2.14-4.34 GHz	Polarad	CA-S	203	No Cal Required	
Standard Gain Horn 3.95-5.85 GHz	Scientific-Atlanta Inc.	11A-3.9	8448CG	No Cal Required	
Standard Gain Horn 8.2-12.5 GHz	Systron Donner	DBG-520-20	Not Serialized	No Cal Required	
Standard Gain Horn 18.0-26.3 GHz	Systron Donner	DBE-520-20	Not Serialized	No Cal Required	
Standard Gain Horn 26.5-40.2 GHz	Systron Donner	DBD-520-20	Not Serialized	No Cal Required	
Standard Gain Horn	ATM	19-443-6R	Not Serialized	No Cal	

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date or Status
40.0-60.0 GHz				Required	
Double-Ridged Horn Antenna	EMCO	3116	9011-2145		Out of Service
Standard Gain Horn 12.4-18.0 GHz	ATM	62-442-6	D262108-01	No Cal Required	
Standard Gain Horn 5.85-8.2 GHz	ATM	137-442-2	D261908-01	No Cal Required	
AC Voltmeter	HP	400F	0950A05433	CAL 8/13/03	8/13/05
RF Power Amplifier	Ophir RF	5150F	1041 'X1'	No Cal Required	
Electric Field Sensor	Amplifier Research	FP6001	302504		
Electric Field Sensor	Amplifier Research	FP6001	302510	CAL 6/1/04	6/1/06
Surge Generator	Com-Power Corporation	SG-168	25802	CAL 2/27/04	2/27/06
RF Power Amplifier	Ophir RF, Inc.	5150F	1041	CHAR 10/31/03	10/31/05
3-Meter Anechoic Chamber	Panashield	N/A	N/A	Listed 5/12/04	5/11/07
Digital Multimeter	Fluke	77III	79510408	CAL 7/19/04	7/19/06
Open-Frame Tower Spectrum Analyzer	HP	8566B/85662A	2627A03154/2648A14276	CAL 7/9/04	7/9/06
Open-Frame Tower RF Preselector	HP	85685A	3107A01282	CAL 7/9/04	7/9/06
Open-Frame Tower Quasi-Peak Adapter	HP	85650A	2046A00305	CAL 7/9/04	7/9/06
Signal Generator	HP	8648C	3847A04696	CAL 9/27/04	9/27/06

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TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2003 using a HEWLETT PACKARD spectrum analyzer with a pre-selector. The bandwidth of the spectrum analyzer was 100 kHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100kHz and the video bandwidth was 300kHz. The ambient temperature of the UUT was 98.3°F with a humidity of 40%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz)	METER READING + ACF = FS
33	20 dBuV + 10.36 dB = 30.36 dBuV/m @ 3m

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The UUT was placed in the center of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10th harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings were converted to average readings based on the duration of "ON" time.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

Measurements were made by TIMCO ENGINEERING INC. at the registered open field test site located at 849 N.W. State Road 45, Newberry, Fl 32669.

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (298.00 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
298.00		51.9	H	2.59	14.26	9.84	58.91	15.64
298.00		53.9	V	2.59	13.64	9.84	60.29	14.26
596.00		14.1	V	3.79	19.00	9.84	27.05	27.50
596.00		14.6	H	3.79	19.70	9.84	28.25	26.30
894.00		15.0	H	4.89	23.38	9.84	33.43	21.11
894.00		17.3	V	4.89	22.72	9.84	35.07	19.47
1,192.00	**	21.6	H	1.30	28.00	9.84	41.06	12.94
1,192.00	**	25.6	V	1.30	28.00	9.84	45.06	8.94
1,490.00	**	22.1	H	1.45	28.00	9.84	41.71	12.30
1,490.00	**	22.2	V	1.45	28.00	9.84	41.81	12.20
1,788.00		23.0	V	1.59	30.07	9.84	44.82	9.72
1,788.00		26.7	H	1.59	30.07	9.84	48.52	6.02
2,086.00		16.1	V	1.73	31.77	9.84	39.76	14.78
2,086.00		17.2	H	1.73	31.77	9.84	40.86	13.68
2,384.00	**	13.2	H	1.85	32.37	9.84	37.58	16.42
2,384.00	**	15.3	V	1.85	32.37	9.84	39.68	14.32
2,682.00	**	12.9	H	1.97	32.89	9.84	37.92	16.08
2,682.00	**	13.5	V	1.97	32.89	9.84	38.52	15.48
2,980.00		11.4	H	2.09	33.37	9.84	37.02	17.52
2,980.00		12.0	V	2.09	33.37	9.84	37.62	16.92

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (298.00 MHz)

RULES PART NO.: 15.231

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40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
298.00		51.3	H	2.59	14.25	9.84	58.30	16.25
298.00		53.7	V	2.59	13.64	9.84	60.09	14.46
596.00		12.1	H	3.79	19.70	9.84	25.75	28.81
596.00		13.8	V	3.79	19.00	9.84	26.75	27.81
894.00		14.2	V	4.89	22.72	9.84	31.97	22.58
894.00		15.2	H	4.89	23.38	9.84	33.63	20.92
1,192.00	**	22.0	H	1.30	28.00	9.84	41.46	12.54
1,192.00	**	24.6	V	1.30	28.00	9.84	44.06	9.94
1,490.00	**	21.3	H	1.45	28.00	9.84	40.91	13.10
1,490.00	**	22.0	V	1.45	28.00	9.84	41.61	12.40
1,788.00		23.1	H	1.59	30.07	9.84	44.92	9.63
1,788.00		27.7	V	1.59	30.07	9.84	49.52	5.03
2,086.00		16.5	H	1.73	31.77	9.84	40.16	14.39
2,086.00		17.9	V	1.73	31.77	9.84	41.56	12.99
2,384.00	**	13.9	V	1.85	32.37	9.84	38.28	15.72
2,384.00	**	14.2	H	1.85	32.37	9.84	38.58	15.42
2,682.00	**	13.9	V	1.97	32.89	9.84	38.92	15.08
2,682.00	**	13.9	H	1.97	32.89	9.84	38.92	15.08
2,980.00		10.8	V	2.09	33.37	9.84	36.42	18.13
2,980.00		11.5	H	2.09	33.37	9.84	37.12	17.43

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FCC ID: SRW-KRVAR001

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70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

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TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
298.00		37.3	V	2.59	13.63	9.84	43.68	30.88
298.00		53.3	H	2.59	14.25	9.84	60.30	14.26
596.00		8.7	V	3.79	19.00	9.84	21.65	32.91
596.00		16.3	H	3.79	19.70	9.84	29.95	24.61
894.00		12.3	V	4.89	22.72	9.84	30.07	24.49
894.00		17.9	H	4.89	23.38	9.84	36.33	18.23
1,192.00	**	19.8	V	1.30	28.00	9.84	39.26	14.74
1,192.00	**	23.2	H	1.30	28.00	9.84	42.66	11.34
1,490.00	**	21.8	V	1.45	28.00	9.84	41.41	12.60
1,490.00	**	23.3	H	1.45	28.00	9.84	42.91	11.10
1,788.00		18.8	V	1.59	30.07	9.84	40.62	13.94
1,788.00		21.4	H	1.59	30.07	9.84	43.22	11.34
2,086.00		15.4	V	1.73	31.77	9.84	39.06	15.50
2,086.00		20.0	H	1.73	31.77	9.84	43.66	10.90
2,384.00	**	13.3	V	1.85	32.37	9.84	37.68	16.32
2,384.00	**	14.2	H	1.85	32.37	9.84	38.58	15.42
2,682.00	**	13.1	H	1.97	32.89	9.84	38.12	15.88
2,682.00	**	14.2	V	1.97	32.89	9.84	39.22	14.78
2,980.00		11.5	H	2.09	33.37	9.84	37.12	17.44
2,980.00		11.7	V	2.09	33.37	9.84	37.32	17.24

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (311 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
311.00		49.1	H	2.66	17.01	9.84	58.93	16.46
311.00		56.0	V	2.66	16.45	9.84	65.27	10.12
622.00		11.8	H	3.93	19.58	9.84	25.47	29.91
622.00		15.5	V	3.93	19.36	9.84	28.95	26.43
933.00		19.4	V	3.68	25.25	9.84	38.49	16.90
933.00		21.4	H	3.68	26.72	9.84	41.96	13.43
1,244.00		21.5	H	1.32	28.00	9.84	40.98	14.40
1,244.00		26.2	V	1.32	28.00	9.84	45.68	9.70
1,555.00	**	16.8	H	1.48	28.40	9.84	36.84	17.16
1,555.00	**	17.8	V	1.48	28.40	9.84	37.84	16.16
1,866.00		19.6	H	1.63	30.64	9.84	42.03	13.35
1,866.00		24.5	V	1.63	30.64	9.84	46.93	8.45
2,177.00		17.1	H	1.77	31.95	9.84	40.98	14.41
2,177.00		17.4	V	1.77	31.95	9.84	41.28	14.11
2,488.00	**	14.0	H	1.90	32.58	9.84	38.64	15.36
2,488.00	**	15.9	V	1.90	32.58	9.84	40.54	13.46
2,799.00	**	12.7	V	2.02	33.08	9.84	37.96	16.04
2,799.00	**	12.9	H	2.02	33.08	9.84	38.16	15.84
3,110.00		12.6	V	2.13	33.38	9.84	38.27	17.11
3,110.00		12.6	H	2.13	33.38	9.84	38.27	17.11

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (311 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
311.00		50.2	H	2.66	17.00	9.84	60.02	15.38
311.00		55.7	V	2.66	16.43	9.84	64.95	10.45
622.00		12.4	H	3.93	19.58	9.84	26.07	29.32
622.00		15.4	V	3.93	19.36	9.84	28.85	26.54
933.00		18.5	H	3.68	26.72	9.84	39.06	16.33
933.00		22.8	V	3.68	25.25	9.84	41.89	13.50
1,244.00		20.1	H	1.32	28.00	9.84	39.58	15.81
1,244.00		23.1	V	1.32	28.00	9.84	42.58	12.81
1,555.00	**	17.3	H	1.48	28.40	9.84	37.34	16.66
1,555.00	**	18.2	V	1.48	28.40	9.84	38.24	15.76
1,866.00		25.8	V	1.63	30.64	9.84	48.23	7.16
1,866.00		27.2	H	1.63	30.64	9.84	49.63	5.76
2,177.00		17.8	H	1.77	31.95	9.84	41.68	13.71
2,177.00		17.9	V	1.77	31.95	9.84	41.78	13.61
2,488.00	**	15.0	V	1.90	32.58	9.84	39.64	14.36
2,488.00	**	15.9	H	1.90	32.58	9.84	40.54	13.46
2,799.00	**	12.9	V	2.02	33.08	9.84	38.16	15.84
2,799.00	**	13.5	H	2.02	33.08	9.84	38.76	15.24
3,110.00		12.3	V	2.13	33.38	9.84	37.97	17.42
3,110.00		12.9	H	2.13	33.38	9.84	38.57	16.82

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (311 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
311.00		40.7	V	2.66	16.42	9.84	49.94	25.46
311.00		52.4	H	2.66	16.98	9.84	62.20	13.20
622.00		12.2	V	3.93	19.36	9.84	25.65	29.75
622.00		15.7	H	3.93	19.58	9.84	29.37	26.03
933.00		15.3	V	3.68	25.25	9.84	34.39	21.01
933.00		23.9	H	3.68	26.72	9.84	44.46	10.94
1,244.00		19.1	V	1.32	28.00	9.84	38.58	16.82
1,244.00		26.1	H	1.32	28.00	9.84	45.58	9.82
1,555.00	**	19.8	V	1.48	28.40	9.84	39.84	14.16
1,555.00	**	20.7	H	1.48	28.40	9.84	40.74	13.26
1,866.00		19.2	H	1.63	30.64	9.84	41.63	13.77
1,866.00		19.6	V	1.63	30.64	9.84	42.03	13.37
2,177.00		14.6	V	1.77	31.95	9.84	38.48	16.92
2,177.00		19.8	H	1.77	31.95	9.84	43.68	11.72
2,488.00	**	14.9	V	1.90	32.58	9.84	39.54	14.46
2,488.00	**	17.6	H	1.90	32.58	9.84	42.24	11.76
2,799.00	**	12.3	V	2.02	33.08	9.84	37.56	16.44
2,799.00	**	13.8	H	2.02	33.08	9.84	39.06	14.94
3,110.00		12.4	V	2.13	33.38	9.84	38.07	17.33
3,110.00		12.7	H	2.13	33.38	9.84	38.37	17.03

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (319 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
319.00		52.3	H	2.70	15.65	9.84	60.81	15.06
319.00		56.5	V	2.70	15.33	9.84	64.69	11.18
638.00		14.7	H	4.03	19.90	9.84	28.79	27.08
638.00		16.6	V	4.03	19.84	9.84	30.63	25.24
957.00		22.9	H	2.79	24.33	9.84	40.18	15.68
957.00		27.9	V	2.79	23.35	9.84	44.20	11.66
1,276.00		19.6	H	1.34	28.00	9.84	39.10	16.77
1,276.00		25.9	V	1.34	28.00	9.84	45.40	10.47
1,595.00	**	17.8	H	1.50	28.68	9.84	38.14	15.86
1,595.00	**	21.4	V	1.50	28.68	9.84	41.74	12.26
1,914.00		22.1	V	1.66	30.98	9.84	44.90	10.97
1,914.00		25.2	H	1.66	30.98	9.84	48.00	7.87
2,233.00	**	16.0	V	1.79	32.07	9.84	40.02	13.98
2,233.00	**	17.5	H	1.79	32.07	9.84	41.52	12.48
2,552.00		15.1	V	1.92	32.68	9.84	39.86	16.00
2,552.00		16.2	H	1.92	32.68	9.84	40.96	14.90
2,871.00	**	13.0	V	2.05	33.19	9.84	38.40	15.60
2,871.00	**	14.2	H	2.05	33.19	9.84	39.60	14.40
3,190.00		12.7	H	2.16	33.36	9.84	38.38	17.49
3,190.00		13.7	V	2.16	33.36	9.84	39.38	16.49

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (319 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
319.00		50.6	H	2.70	15.64	9.84	59.10	16.78
319.00		56.8	V	2.70	15.31	9.84	64.97	10.91
638.00		11.4	H	4.03	19.90	9.84	25.49	30.38
638.00		15.0	V	4.03	19.84	9.84	29.03	26.84
957.00		26.4	H	2.79	24.33	9.84	43.68	12.19
957.00		27.4	V	2.79	23.35	9.84	43.70	12.17
1,276.00		21.4	H	1.34	28.00	9.84	40.90	14.97
1,276.00		23.4	V	1.34	28.00	9.84	42.90	12.97
1,595.00	**	19.7	H	1.50	28.68	9.84	40.04	13.96
1,595.00	**	20.1	V	1.50	28.68	9.84	40.44	13.56
1,914.00		21.8	H	1.66	30.98	9.84	44.60	9.95
1,914.00		23.4	V	1.66	30.98	9.84	46.20	8.35
2,233.00	**	14.7	H	1.79	32.07	9.84	38.72	15.28
2,233.00	**	16.8	V	1.79	32.07	9.84	40.82	13.18
2,552.00		15.6	H	1.92	32.68	9.84	40.36	14.19
2,552.00		15.9	V	1.92	32.68	9.84	40.66	13.89
2,871.00	**	13.4	H	2.05	33.19	9.84	38.80	15.20
2,871.00	**	14.8	V	2.05	33.19	9.84	40.20	13.80
3,190.00		12.5	H	2.16	33.36	9.84	38.18	16.37
3,190.00		12.9	V	2.16	33.36	9.84	38.58	15.97

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (319 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
319.00		42.5	V	2.70	15.30	9.84	50.66	25.22
319.00		53.3	H	2.70	15.62	9.84	61.78	14.10
638.00		9.6	V	4.03	19.84	9.84	23.63	32.25
638.00		16.3	H	4.03	19.90	9.84	30.39	25.49
957.00		20.5	V	2.79	23.35	9.84	36.80	19.08
957.00		27.9	H	2.79	24.33	9.84	45.18	10.70
1,276.00		20.3	V	1.34	28.00	9.84	39.80	16.08
1,276.00		25.5	H	1.34	28.00	9.84	45.00	10.88
1,595.00	**	20.5	V	1.50	28.68	9.84	40.84	13.16
1,595.00	**	22.6	H	1.50	28.68	9.84	42.94	11.06
1,914.00		20.4	V	1.66	30.98	9.84	43.20	12.68
1,914.00		23.5	H	1.66	30.98	9.84	46.30	9.58
2,233.00	**	14.7	V	1.79	32.07	9.84	38.72	15.28
2,233.00	**	18.2	H	1.79	32.07	9.84	42.22	11.78
2,552.00		14.6	V	1.92	32.68	9.84	39.36	16.52
2,552.00		17.6	H	1.92	32.68	9.84	42.36	13.52
2,871.00	**	13.0	V	2.05	33.19	9.84	38.40	15.60
2,871.00	**	14.6	H	2.05	33.19	9.84	40.00	14.00
3,190.00		13.2	H	2.16	33.36	9.84	38.88	17.00
3,190.00		13.3	V	2.16	33.36	9.84	38.98	16.90

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (411 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
411.00		50.7	H	3.14	16.44	9.84	60.44	19.60
411.00		58.7	V	3.14	16.10	9.84	68.10	11.94
822.00		20.6	H	4.82	24.46	9.84	40.04	20.00
822.00		22.7	V	4.82	23.46	9.84	41.14	18.90
1,233.00	**	25.6	H	1.32	28.00	9.84	45.08	8.92
1,233.00	**	32.6	V	1.32	28.00	9.84	52.08	1.92
1,644.00		26.5	H	1.52	29.04	9.84	47.22	7.33
1,644.00		33.0	V	1.52	29.04	9.84	53.72	0.83
2,055.00		27.7	H	1.72	31.71	9.84	51.29	3.26
2,055.00		29.9	V	1.72	31.71	9.84	53.49	1.06
2,466.00		23.9	V	1.89	32.53	9.84	48.48	6.07
2,466.00		28.5	H	1.89	32.53	9.84	53.91	0.64
2,877.00	**	18.1	H	2.05	33.20	9.84	43.51	10.49
2,877.00	**	19.0	V	2.05	33.20	9.84	44.41	9.59
3,288.00		14.2	V	2.19	33.34	9.84	39.89	14.66
3,288.00		16.7	H	2.19	33.34	9.84	42.39	12.16
3,699.00	**	12.9	H	2.31	33.54	9.84	38.91	15.09
3,699.00	**	13.0	V	2.31	33.54	9.84	39.01	14.99
4,110.00	**	12.5	H	2.43	34.08	9.84	39.17	14.83
4,110.00	**	13.2	V	2.43	34.08	9.84	39.87	14.13

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (411 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
411.00		54.3	H	3.14	16.45	9.84	64.05	15.99
411.00		57.3	V	3.14	16.10	9.84	66.70	13.34
822.00		20.4	H	4.82	24.46	9.84	39.84	20.20
822.00		22.6	V	4.82	23.46	9.84	41.04	19.00
1,233.00	**	26.3	H	1.32	28.00	9.84	45.78	8.22
1,233.00	**	29.8	V	1.32	28.00	9.84	49.28	4.72
1,644.00		28.4	H	1.52	29.04	9.84	49.12	5.43
1,644.00		30.0	V	1.52	29.04	9.84	50.72	3.83
2,055.00		29.8	V	1.72	31.71	9.84	53.39	1.16
2,055.00		30.0	H	1.72	31.71	9.84	53.59	0.96
2,466.00		25.6	H	1.89	32.53	9.84	50.18	4.37
2,466.00		26.0	V	1.89	32.53	9.84	50.58	3.97
2,877.00	**	18.2	H	2.05	33.20	9.84	43.61	10.39
2,877.00	**	20.3	V	2.05	33.20	9.84	45.71	8.29
3,288.00		16.9	H	2.19	33.34	9.84	42.59	11.96
3,288.00		17.1	V	2.19	33.34	9.84	42.79	11.76
3,699.00	**	11.6	V	2.31	33.54	9.84	37.61	16.39
3,699.00	**	12.3	H	2.31	33.54	9.84	38.31	15.69
4,110.00	**	12.6	H	2.43	34.08	9.84	39.27	14.73
4,110.00	**	13.3	V	2.43	34.08	9.84	39.97	14.03

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (411 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
411.00		44.7	V	3.15	16.10	9.84	54.11	25.94
411.00		59.3	H	3.15	16.45	9.84	69.06	10.99
822.00		17.4	V	4.82	23.46	9.84	35.84	24.20
822.00		25.1	H	4.82	24.46	9.84	44.54	15.50
1,233.00	**	24.1	V	1.32	28.00	9.84	43.58	10.42
1,233.00	**	30.2	H	1.32	28.00	9.84	49.68	4.32
1,644.00		30.1	V	1.52	29.04	9.84	50.82	3.73
1,644.00		33.6	H	1.52	29.04	9.84	54.32	0.23
2,055.00		27.5	V	1.72	31.71	9.84	51.09	3.46
2,055.00		29.8	H	1.72	31.71	9.84	53.39	0.61
2,466.00		19.8	V	1.89	32.53	9.84	44.38	10.17
2,466.00		27.8	H	1.89	32.53	9.84	52.38	2.17
2,877.00	**	16.8	V	2.05	33.20	9.84	42.21	11.79
2,877.00	**	18.6	H	2.05	33.20	9.84	44.01	9.99
3,288.00		15.4	H	2.19	33.34	9.84	41.09	13.46
3,288.00		21.7	V	2.19	33.34	9.84	47.39	7.16
3,699.00	**	12.1	H	2.31	33.54	9.84	38.11	15.89
3,699.00	**	12.6	V	2.31	33.54	9.84	38.61	15.39
4,110.00	**	12.5	V	2.43	34.08	9.84	39.17	14.83
4,110.00	**	12.6	H	2.43	34.08	9.84	39.27	14.73

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (425 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
425.00		52.2	H	3.20	16.80	9.84	62.36	18.17
425.00		56.0	V	3.20	16.20	9.84	65.56	14.97
850.00		20.5	H	4.85	23.10	9.84	38.61	21.92
850.00		22.4	V	4.85	22.10	9.84	39.51	21.02
1,275.00		21.8	H	1.34	28.00	9.84	41.30	13.25
1,275.00		29.7	V	1.34	28.00	9.84	49.20	5.35
1,700.00	**	29.3	H	1.55	29.44	9.84	50.45	3.55
1,700.00	**	32.8	V	1.55	29.44	9.84	53.95	0.05
2,125.00		24.5	H	1.75	31.85	9.84	48.26	6.29
2,125.00		27.2	V	1.75	31.85	9.84	50.96	3.59
2,550.00		25.2	V	1.92	32.68	9.84	49.96	4.59
2,550.00		28.9	H	1.92	32.68	9.84	53.66	0.89
2,975.00		18.9	V	2.09	33.36	9.84	44.51	10.04
2,975.00		21.6	H	2.09	33.36	9.84	47.21	7.34
3,400.00		13.9	V	2.22	33.32	9.84	39.60	14.95
3,400.00		16.0	H	2.22	33.32	9.84	41.70	12.85
3,825.00	**	12.0	H	2.35	33.69	9.84	38.20	15.80
3,825.00	**	12.3	V	2.35	33.69	9.84	38.50	15.50
4,250.00	**	12.8	H	2.48	34.30	9.84	39.74	14.27
4,250.00	**	13.0	V	2.48	34.30	9.84	39.94	14.07

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (425 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
425.00		53.6	H	3.20	16.80	9.84	63.76	16.77
425.00		55.7	V	3.20	16.20	9.84	65.26	15.27
850.00		20.8	H	4.85	23.10	9.84	38.91	21.62
850.00		22.1	V	4.85	22.10	9.84	39.21	21.32
1,275.00		23.6	H	1.34	28.00	9.84	43.10	11.45
1,275.00		25.6	V	1.34	28.00	9.84	45.10	9.45
1,700.00	**	32.1	V	1.55	29.44	9.84	53.25	0.75
1,700.00	**	32.4	H	1.55	29.44	9.84	53.55	0.45
2,125.00		22.8	H	1.75	31.85	9.84	46.56	7.99
2,125.00		26.1	V	1.75	31.85	9.84	49.86	4.69
2,550.00		23.5	H	1.92	32.68	9.84	48.26	6.29
2,550.00		27.2	V	1.92	32.68	9.84	51.96	2.59
2,975.00		18.5	H	2.09	33.36	9.84	44.11	10.44
2,975.00		19.4	V	2.09	33.36	9.84	45.01	9.54
3,400.00		12.2	H	2.22	33.32	9.84	37.90	16.65
3,400.00		15.9	V	2.22	33.32	9.84	41.60	12.95
3,825.00	**	11.7	H	2.35	33.69	9.84	37.90	16.10
3,825.00	**	12.0	V	2.35	33.69	9.84	38.20	15.80
4,250.00	**	12.7	V	2.48	34.30	9.84	39.64	14.37
4,250.00	**	13.7	H	2.48	34.30	9.84	40.64	13.37

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (425 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
425.00		44.7	V	3.20	16.21	9.84	54.27	26.27
425.00		57.9	H	3.20	16.80	9.84	68.06	12.48
850.00		18.7	V	4.85	22.10	9.84	35.81	24.73
850.00		25.1	H	4.85	23.10	9.84	43.21	17.33
1,275.00		22.1	V	1.34	28.00	9.84	41.60	12.95
1,275.00		28.7	H	1.34	28.00	9.84	48.20	6.35
1,700.00	**	29.7	V	1.55	29.44	9.84	50.85	3.15
1,700.00	**	32.5	H	1.55	29.44	9.84	53.65	0.35
2,125.00		25.4	V	1.75	31.85	9.84	49.16	5.39
2,125.00		29.4	H	1.75	31.85	9.84	53.16	1.39
2,550.00		22.1	V	1.92	32.68	9.84	46.86	7.69
2,550.00		29.3	H	1.92	32.68	9.84	54.06	0.49
2,975.00		17.1	V	2.09	33.36	9.84	42.71	11.84
2,975.00		19.9	H	2.09	33.36	9.84	45.51	9.04
3,400.00		11.5	H	2.22	33.32	9.84	37.20	17.35
3,400.00		13.5	V	2.22	33.32	9.84	39.20	15.35
3,825.00	**	12.1	H	2.35	33.69	9.84	38.30	15.70
3,825.00	**	12.2	V	2.35	33.69	9.84	38.40	15.60
4,250.00	**	12.9	H	2.48	34.30	9.84	39.84	14.17
4,250.00	**	12.9	V	2.48	34.30	9.84	39.84	14.17

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (440 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (X-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
440.00		52.9	H	3.26	17.32	9.84	63.64	17.39
440.00		57.5	V	3.26	16.62	9.84	67.54	13.49
880.00		23.1	H	4.88	23.10	9.84	41.24	19.79
880.00		24.8	V	4.88	22.50	9.84	42.34	18.69
1,320.00	**	24.4	H	1.36	28.00	9.84	43.92	10.08
1,320.00	**	26.9	V	1.36	28.00	9.84	46.42	7.58
1,760.00		31.7	H	1.58	29.87	9.84	53.31	7.72
1,760.00		32.8	V	1.58	29.87	9.84	54.41	6.62
2,200.00		22.5	H	1.78	32.00	9.84	46.44	14.59
2,200.00		25.7	V	1.78	32.00	9.84	49.64	11.39
2,640.00		27.2	V	1.96	32.82	9.84	52.14	8.89
2,640.00		30.5	H	1.96	32.82	9.84	55.44	5.59
3,080.00		19.3	V	2.12	33.38	9.84	44.96	16.06
3,080.00		25.1	H	2.12	33.38	9.84	50.76	10.26
3,520.00		12.8	V	2.26	33.32	9.84	38.54	22.49
3,520.00		15.4	H	2.26	33.32	9.84	41.14	13.41
3,960.00	**	12.8	H	2.39	33.85	9.84	39.20	14.80
3,960.00	**	13.4	V	2.39	33.85	9.84	39.80	14.20
4,400.00		13.0	H	2.52	34.54	9.84	40.22	14.33
4,400.00		13.2	V	2.52	34.54	9.84	40.42	14.13

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (440 MHz)

RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY = 74.55 dBuV/m. NO FUNDAMENTAL IS ALLOWED IN THE RESTRICTED BANDS.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 54.55 dBuV/m. SPURIOUS IN THE RESTRICTED BANDS MUST BE LESS THAN 54 dBuV/m OR 15.209.

TEST DATA (Y-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
440.00		53.1	H	3.26	17.34	9.84	63.86	17.17
440.00		57.7	V	3.26	16.64	9.84	67.76	13.27
880.00		20.9	H	4.88	23.10	9.84	39.04	21.99
880.00		24.4	V	4.88	22.50	9.84	41.94	19.09
1,320.00	**	23.7	H	1.36	28.00	9.84	43.22	10.78
1,320.00	**	26.0	V	1.36	28.00	9.84	45.52	8.48
1,760.00		32.6	H	1.58	29.87	9.84	54.21	6.82
1,760.00		34.0	V	1.58	29.87	9.84	55.61	5.42
2,200.00		23.5	V	1.78	32.00	9.84	47.44	13.59
2,200.00		24.9	H	1.78	32.00	9.84	48.84	12.19
2,640.00		27.5	H	1.96	32.82	9.84	52.44	8.59
2,640.00		31.0	V	1.96	32.82	9.84	55.94	5.09
3,080.00		18.0	H	2.12	33.38	9.84	43.66	17.37
3,080.00		23.7	V	2.12	33.38	9.84	49.36	11.67
3,520.00		12.5	H	2.26	33.32	9.84	38.24	22.79
3,520.00		15.3	V	2.26	33.32	9.84	41.04	19.99
3,960.00	**	12.8	H	2.39	33.85	9.84	39.20	14.80
3,960.00	**	13.1	V	2.39	33.85	9.84	39.50	14.50
4,400.00		12.5	H	2.52	34.54	9.84	39.72	21.31
4,400.00		12.8	V	2.52	34.54	9.84	40.02	21.01

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: RADIATION INTERFERENCE (440 MHz)

RULES PART NO.: 15.231

REQUIREMENTS: PLEASE SEE PREVIOUS PAGES

TEST DATA (Z-AXIS):

Emission Frequency MHz	*	Meter Reading dBuV	Ant. Polarity	Coax Loss dB	Correction Factor dB	Duty Cycle Factor dB	Field Strength dBuV/m	Margin dB
440.00		46.3	V	3.26	16.66	9.84	56.38	24.65
440.00		58.4	H	3.26	17.36	9.84	69.18	11.85
880.00		19.3	V	4.88	22.50	9.84	36.84	24.19
880.00		26.7	H	4.88	23.10	9.84	44.84	16.19
1,320.00	**	22.6	V	1.36	28.00	9.84	42.12	11.88
1,320.00	**	30.2	H	1.36	28.00	9.84	49.72	4.28
1,760.00		30.1	V	1.58	29.87	9.84	51.71	9.32
1,760.00		33.9	H	1.58	29.87	9.84	55.51	5.52
2,200.00		23.0	V	1.78	32.00	9.84	46.94	14.09
2,200.00		30.2	H	1.78	32.00	9.84	54.14	6.89
2,640.00		24.7	V	1.96	32.82	9.84	49.64	11.40
2,640.00		28.5	H	1.96	32.82	9.84	53.44	7.60
3,080.00		18.0	V	2.12	33.38	9.84	43.66	17.37
3,080.00		26.5	H	2.12	33.38	9.84	52.16	8.87
3,520.00		12.2	V	2.26	33.32	9.84	37.94	23.10
3,520.00		15.7	H	2.26	33.32	9.84	41.44	19.60
3,960.00	**	13.0	H	2.39	33.85	9.84	39.40	14.60
3,960.00	**	13.0	V	2.39	33.85	9.84	39.40	14.60
4,400.00		13.1	V	2.52	34.54	9.84	40.32	20.71
4,400.00		13.4	H	2.52	34.54	9.84	40.62	20.41

SAMPLE CALCULATION OF LIMIT @ 303 MHz:
(470 - 260)MHz = 210 MHz
(12500 - 3750)uV/m = 8750 uV/m
8750uV/m/210MHz = 41.67 uV/m/MHz
(303-260)MHz = 43 MHz
43 MHz * 41.67 uV/m/MHz = 1791.81 uV/m
(1791.81 + 3750)uV/m = 5541.81 uV/m limit @ 303 MHz
The transmitter ceases transmitting when the button is released.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY: NAM NGUYEN **DATE TESTED: JANUARY 7, 2005**

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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

CALCULATION OF DUTY CYCLE:

The period of the pulse train is determined by observing it on an oscilloscope or a spectrum analyzer with zero (0) frequency span. A plot is then made of the pulse train with a sweep time of 100milliseconds. This sweep determines the duration of the pulse train, which in this case is millisecond. This sweep allows the determination of the number of and type of pulses, i.e. long & short. Plots are then made showing the duration of each type of pulse and its duration. From the 100millisecond Plot the number of a given type of pulse is then multiplied by the duration of that type pulse. This allows the calculation of the amount of time the UUT is on within 100 ms. If the pulse train is longer than 100 ms then this number is multiplied by 100 to determine the percentage ON TIME. If the pulse train is less than 100 ms the total on time is divided by the length of the pulse train and then multiplied by 100 to determine the percentage ON TIME. In this case there were 18 short pulses 100 useconds long and 6 long pulses 560u seconds long for a total of 1.8ms plus 3.36 for a total of 5.16ms on time within either the 100 ms or the pulse train. In this case the ON time was 16 ms long. The average field strength is determined by multiplying the peak field strength by the percent on time. In this case the percentage ON time was 32.2 %percent.

dB = 20*log(ON time) = -9.84dB.

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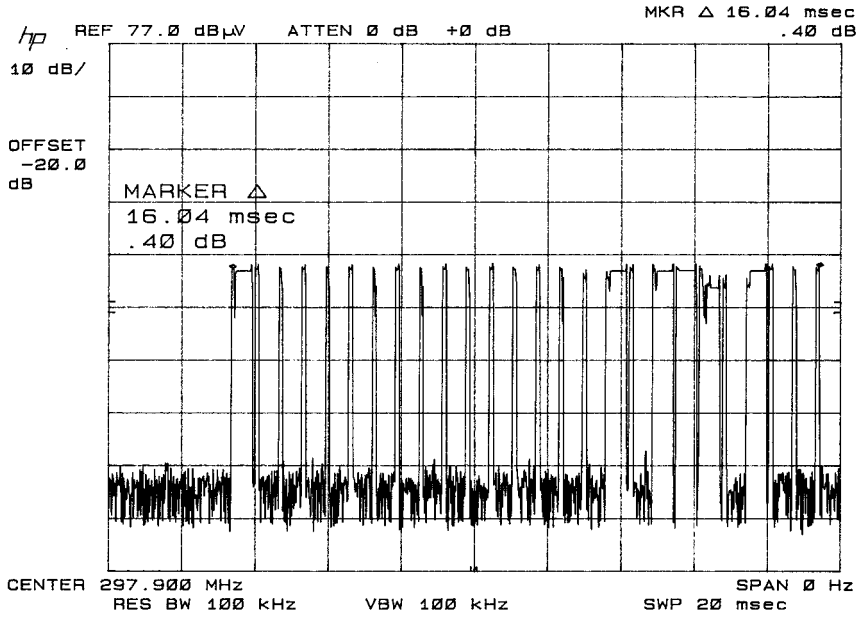
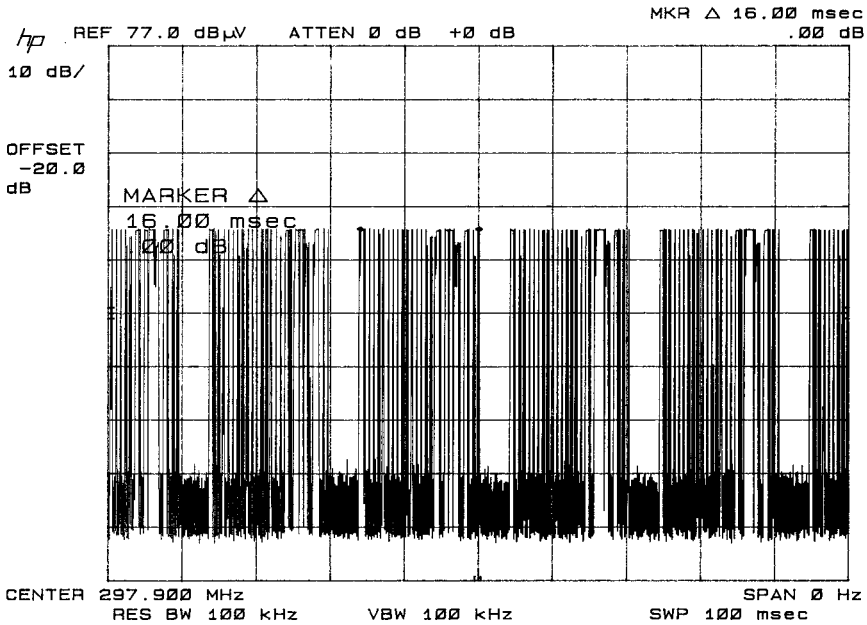
DUTY CYCLE PLOT
COMPLETE PULSE TRAIN



100 ms LONG PULSE



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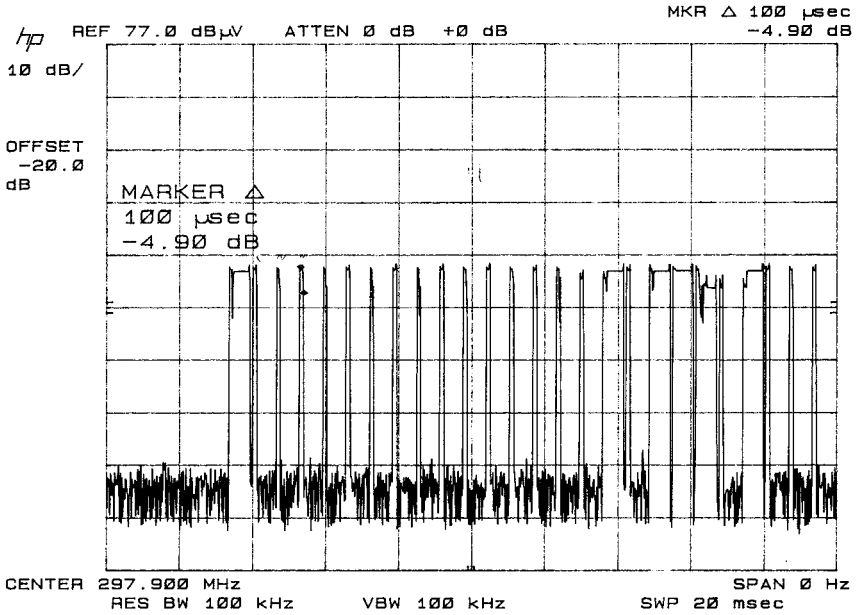
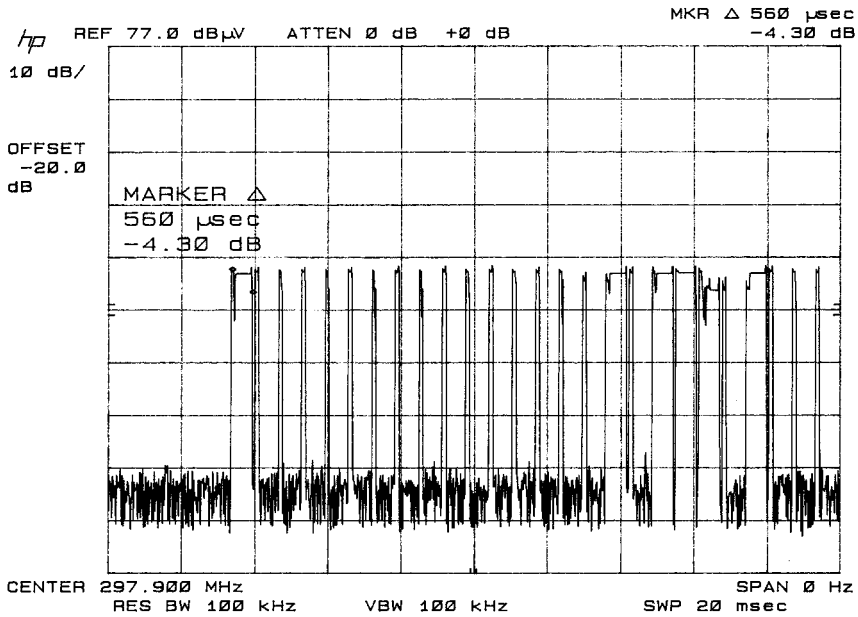
DUTY CYCLE PLOTS
SHORT PULSE



LONG PULSE



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APPLICANT: KEYLESS RIDE

FCC ID: SRW-KRVAR001

NAME OF TEST: Occupied Bandwidth

RULES PART NO.: 15.231(C)

REQUIREMENTS: The bandwidth of the emission shall be no wider than .25% of the center frequency for devices operating between 70 and 900 MHz. Worse case bandwidth for this device is 750 kHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

TEST DATA:

THE GRAPH ON THE FOLLOWING PAGE REPRESENTS THE EMISSIONS TAKEN FOR OCCUPIED BANDWIDTH FOR THIS DEVICE.

METHOD OF MEASUREMENT: A small sample of the transmitter output was fed into the spectrum analyzer and the plot in exhibit 9 was generated. The vertical scale is set to 10 dB per division: the horizontal scale is set to 200 kHz per division.

TEST RESULTS: The unit meets the FCC requirements.

PERFORMED BY: NAM NGUYEN **DATE: JANUARY 17, 2005**

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OCCUPIED BANDWIDTH