

	Report Serial No.:	042811TS5-T1098-E24C	Report Rev. No.:	Rev. 1.0 (Initial Release)	  Test Lab Certificate No. 2470.01
	Evaluation Dates:	May 02-03, 2011	Report Issue Date:	May 26, 2011	
	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

DECLARATION OF COMPLIANCE - FCC PART 22(H) & 24(E) CLASS II PERMISSIVE CHANGE

Test Lab Information	Name	CELLTECH LABS INC.		
	Address	21-364 Lougheed Road, Kelowna B.C. V1X 7R8 Canada		
Test Lab Accreditation	A2LA	ISO/IEC 17025:2005 (A2LA Test Lab Certificate No. 2470.01)		
Applicant Information	Name	Sendum Wireless Corporation		
	Address	4500 Beedie Street, Burnaby, B.C. V5J 5L2 Canada		
Standard(s)/Procedure(s)	FCC	47 CFR Part 2	47 CFR Part 22 Subpart H	47 CFR Part 24 Subpart E
	ANSI	TIA/EIA-603-C-2004		
Application Type(s)	FCC	Class II Permissive Change (Original TCB Grant Date: July 13, 2009)		
Description of Change(s)	FCC	See applicant's Description of Change letter for detailed description of changes		
Device Identifier(s)	FCC ID:	TS5-6055M-ET300		
Test Sample Receipt Date	April 28, 2011			
Date(s) of Measurements	May 02-03, 2011			
Device Under Test (DUT)	Ankle-worn Offender Tracking Bracelet with Dual-Band CDMA 1xRTT			
DUT Model	ET300			
DUT Serial No.	None (Identical Prototype)			
DUT Hardware Revision No.	R2.0			
DUT Firmware Revision No.	R1.43.11			
Transmitter Freq. Range(s)	850 Band	824.70 - 848.31 MHz (CDMA 1xRTT)		
	1900 Band	1851.25 - 1908.75 MHz (CDMA 1xRTT)		
Mode of Operation Tested	"Bits Hold" (alternative Up/Down Bits)			
Manuf. Duty Cycle Spec.	< 5 secs every 1 minute (Maximum)			
Antenna Type(s) Tested	Internal			
Power Source(s) Tested	Panasonic CGR18650CG Lithium-ion Battery (3.7V, 2150mAh)			
Co-located Transmitter(s)	none			
Co-located Antenna(s)	315 MHz Beacon (Receive only), 1574 MHz GPS (Receive only)			
Manufacturer's Rated Power	24 dBm (+/- 0.5 dB) Conducted (850 MHz Band)		23.5 dBm (+/- 0.5 dB) Conducted (1900 MHz Band)	
	<p>This wireless device has demonstrated compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in FCC 47 CFR Rule Parts 2, 22H, 24E and ANSI TIA/EIA-603-C-2004.</p> <p>I attest to the accuracy of data. All measurements were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.</p> <p>The results and statements contained in this report pertain only to the device(s) evaluated.</p> <p>This test report shall not be reproduced partially, or in full, without the prior written approval of Celltech Labs Inc.</p>			
Test Report Approved By	 Sean Johnston		Lab Manager	Celltech Labs Inc.

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

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TEST SUMMARY					
Appendix	Test Description	Procedure Reference	FCC Limit Reference	IC Limit Reference	Result
A	Effective Radiated Power	ANSI/TIA/EIA-603-C	§22.913	n/a	Pass
	Effective Isotropic Radiated Power	ANSI/TIA/EIA-603-C	§24.232(c)	n/a	Pass
B	Radiated Transmitter Spurious Emissions	ANSI/TIA/EIA-603-C	§22.917(a)	n/a	Pass
			§24.238(a)	n/a	

REVISION LOG

Revision	Description	Implemented By	Implementation Date
1.0	Initial Release	Jon Hughes	May 26, 2011

Test Report Prepared By	Preparation Date	QA Review By	Review Date
Sean Johnston	May 18, 2011	Jon Hughes	May 25, 2011

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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1.0 SCOPE



This report outlines the measurements made and results collected during electromagnetic emissions testing of the Sendum Wireless Corporation Model: ET300 Ankle-worn Tracking Bracelet FCC ID: TS5-6055M-ET300 incorporating a Dual-Band CDMA 1xRTT transceiver with the Class II Permissive Change(s) described. The measurement results were applied against the applicable EMC requirements and limits outlined in the technical rules and regulations set forth in the Federal Communication's Commission Code of Federal Regulations Title 47 Parts 2, 22 Subpart H and 24 Subpart E.

2.0 REFERENCES

2.1 Normative References

ANSI/ISO 17025:2005	General Requirements for competence of testing and calibration laboratories
IEEE/ANSI C63.4:2003	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
IEEE/ANSI C95.1:2005	American National Standard Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields
ANSI/TIA/EIA-603-C:2004	Land Mobile FM or PM Communication Equipment Measurement and Performance Standards
CFR Title 47 Part 2	Code of Federal Regulations Title 47: Telecommunication Part 2: Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
CFR Title 47 Part 22	Code of Federal Regulations Title 47: Telecommunication Part 22: Public Mobile Services
CFR Title 47 Part 24	Code of Federal Regulations Title 47: Telecommunication Part 24: Personal Communication Services




Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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3.0 TERMS AND DEFINITIONS

AV	Average
CDMA	Code Division Multiple Access
CFR	Code of Federal Regulations
dB	decibel
dBm	dB referenced to 1 mW
dBuV	dB referenced to 1 uV
DUT	Device Under Test
dBc	dB down from carrier
EBW	Emission Bandwidth
EDGE	Enhanced Data Rates for GSM Evolution
EIRP	Effective Isotropic Radiated Power
EMC	Electromagnetic Compatibility
ERP	Effective Radiated Power
EV-DO	Evolution - Data Optimized
FCC	Federal Communications Commission
FHSS	Frequency Hopping Spread Spectrum
GSM	Global Systems for Mobile Communication
GMRS	General Mobile Radio Service
GPRS	General Packet Radio Service
HP	Hewlett Packard
HPF	High Pass Filter
Hpol	Horizontal Polarization
HSDPA	High Speed Downlink Packet Access
HSUPA	High Speed Uplink Packet Access
Hz	Hertz
IC	Industry Canada
kHz	kilohertz
LNA	Low Noise Amplifier
m	meter
MHz	Megahertz
Mbps	megabits per second
na	not applicable
n/a	not available
PK	Peak
PPSD	Peak Power Spectral Density
QP	Quasi-peak
RBW	Resolution Bandwidth
R&S	Rohde & Schwarz
RSS	Radio Standard Specification
SA	Spectrum Analyzer
UMTS	Universal Mobile Telecommunications System
VBW	Video Bandwidth
Vpol	Vertical Polarization
WCDMA	Wide CDMA

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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4.0 FACILITIES AND ACCREDITATIONS

The facilities used in collecting the test results outlined in this report are located at 21-364 Lougheed Road, Kelowna, British Columbia, Canada V1X 7R8. The radiated emissions site conforms to the requirements set forth in ANSI C63.4 and is listed with the FCC as an accredited test facility.

5.0 GENERAL INFORMATION

5.1 Applicant Information

Company Name	SENDUM WIRELESS CORPORATION
Address	4500 Beedie Street
	Burnaby, British Columbia V5J 5L2
	Canada




5.2 DUT Description

Device Description	Ankle-worn Offender Tracking Bracelet
Device Model	ET300
Internal Transmitter	Dual-Band CDMA 1xRTT
Power Source Tested	Panasonic CGR18650CG Lithium-ion Battery (3.7V, 2150mAh)
Antenna Tested	Internal

5.3 Rule Part(s) & Classification(s)

Rule Part(s) Applied	FCC	47 CFR §2; §22(H), §24(E)
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Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

5.4 Mode(s) of Operation Tested

5.4.1 Dual-Band CDMA/EV-DO

Measurements were made with the DUT set to the low, mid and high channel in each band and in 3 orthogonal DUT positions.

5.4.1.1 Cellular CDMA/EV-DO

Transmitter Frequency Range	824.70 - 848.31 MHz		
Transmitter Test Channels	Ch. 1013 (824.70 MHz) - Low	Ch. 384 (836.52 MHz) - Mid	Ch. 777 (848.31 MHz) - High
Software Power Gain Settings	Set by communications test set for "all ups" RC3 (SO55)		



5.4.1.2 PCS CDMA/EV-DO

Transmitter Frequency Range	1851.25 - 1908.75 MHz		
Transmitter Test Channels	Ch. 25 (1851.25 MHz) - Low	Ch. 600 (1880.00 MHz) - Mid	Ch. 1175 (1908.75 MHz) - High
Software Power Gain Settings	Set by communications test set for "all ups" RC3 (SO55)		

6.0 PASS/FAIL CRITERIA

Unless otherwise noted in the Appendices, the pass/fail criteria is the limit set forth in the reference standards. The DUT is considered to have passed the requirements if the data collected during the described measurement procedure is not greater than the specified limits as defined. The pass/fail statements made in this report only apply to the unit tested.

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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Appendix A - Effective Radiated Power / Effective Isotropic Radiated Power Measurement

A.1 REFERENCES

Normative Reference Standard	FCC CFR 47 §22.913 (a)(2), FCC CFR 47 §24.232 (c)
Procedure Reference	ANSI/TIA/EIA-603-C

A.2 LIMITS

A.2.1 FCC CFR 47


FCC CFR 47 §22.913 (a)(2)	(a)(2) <i>Maximum ERP. The ERP of mobile transmitters and auxiliary transmitters must not exceed 7 Watts.</i>
FCC CFR 47 §24.232 (c)	(c) <i>Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.</i>

A.3 ENVIRONMENTAL CONDITIONS

Temperature	15 +/- 5 °C
Humidity	40 +/- 10 %
Barometric Pressure	101 +/- 3 kPa

A.4 EQUIPMENT LIST

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00072	EMCO	2075	Mini-mast	n/a
00073	EMCO	2080	Turn Table	n/a
00071	EMCO	2090	Multi-Device Controller	n/a
00015	HP	E4408B	Spectrum Analyzer	03May12
00050	Chase	CBL-6111A	Bilog Antenna	03May13
00034	ETS	3115	Double Ridged Guide Horn	29Apr13
00035	ETS	3115	Double Ridged Guide Horn	29Apr13
00051	HP	8566B	Spectrum Analyzer RF Section	03May12
00049	HP	85650A	Quasi-peak Adapter	06May12
00047	HP	85685A	RF Preselector	05May12
00006	R & S	SMR 20	Signal Generator (10MHz-40GHz)	30Apr12
00114	Amplifier Research	DC7154	Directional Coupler (0.8-4.2 GHz)	n/a
00078	Pasternack	PE2214-20	Directional Coupler (1-18 GHz)	n/a
00106	Amplifier Research	5S1G4	Power Amplifier (5W, 800MHz-4.2GHz)	n/a
00041	Amplifier Research	10W1000C	Power Amplifier (0.5 - 1 GHz)	n/a
00007	Gigatronics	8652A	Power Meter	04May12
00014	Gigatronics	80701A	Power Sensor	04May12
80012	Anritsu	MT8820A	Radio Communications Test Set	24Sep12

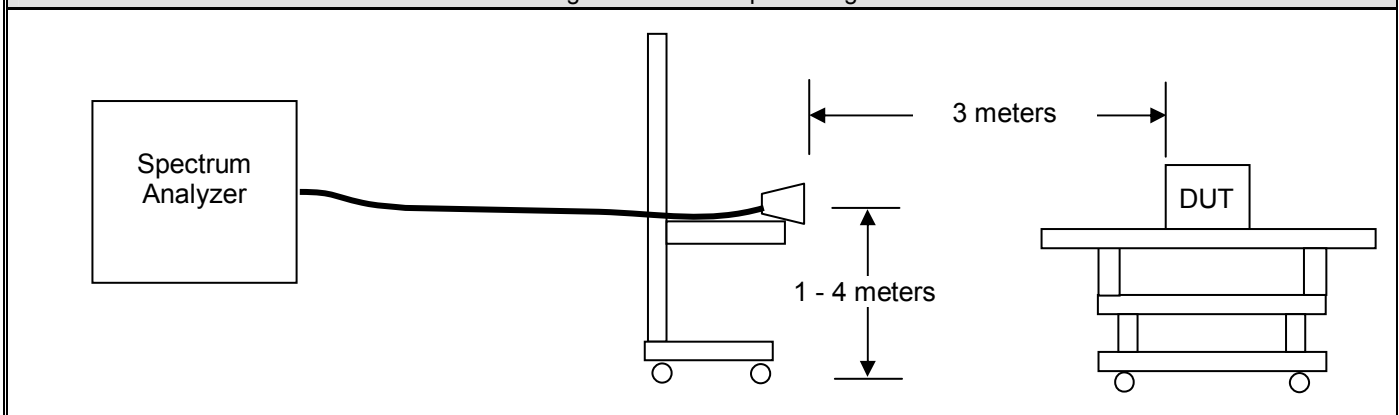
Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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A.5 MEASUREMENT EQUIPMENT SETUP

MEASUREMENT EQUIPMENT CONNECTIONS	For the field strength measurements, the measurement equipment was connected as shown in B.6. A number of antennas were used to cover the applicable frequency range tested. The ranges in which each antenna was used are as follows. For the final substitutions, the DUT was replaced with the appropriate antenna and fed from a CW signal source sufficient to replicate the received field strength of the emission being investigated.			
	Frequency Range	RX Antenna	TX Antenna	
	30 MHz – 0.8GHz	Bilog	Dipole	
	0.8 GHz - 18 GHz	ETS 3115 Horn	ETS 3115 Horn	
MEASUREMENT EQUIPMENT SETTINGS	For measuring the radiated field strength of the fundamental, the spectrum analyzer was set to the following settings:			
	Mode	RBW	VBW	Detector
		MHz	MHz	
	Cellular	1	3	Peak
PCS	1	3	Peak	




A.6 SETUP DRAWING

Figure A.6-1 - Setup Drawing



A.7 DUT OPERATING DESCRIPTION

Measurements were made for the low, mid and high channels for both the cellular and PCS bands at maximum power level as described in Section 5.4.

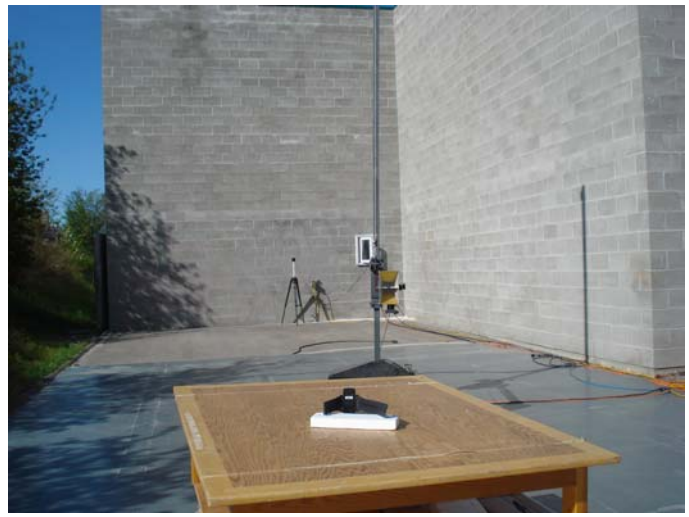
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A.8 SETUP PHOTOGRAPHS

Photograph A.8-1 – DUT Position A



Photograph A.8-2 – DUT Position B



Photograph A.8-3 – DUT Position C



Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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A. Test Results Cont...									
A.1.1 Carrier Levels									
A.1.1.1 PCS Band Carrier Levels - CDMA 1xRTT									
Channel #	Frequency	Ant Pol	DUT Position	FS	Substitution signal generator level	TX Antenna Gain	Cable Loss	Measured ERP	
	(MHz)	(V/H)	(A/B/C)	(dBuV/m)	(dBm)	(dBi)	(dB)	(dBm)	(Watts)
1013	824.70	H	A	123.9	19.2	3.8	0.7	20.2	0.105
384	836.52	H	A	122.1	22.0	3.6	0.7	22.8	0.191
777	848.31	H	A	121.9	19.8	4.0	0.7	21.0	0.126

A. Test Results Cont...									
A.1.1 Carrier Levels									
A.1.1.1 PCS Band Carrier Levels - CDMA 1xRTT									
Channel #	Frequency	Ant Pol	DUT Position	FS	Substitution signal generator level	TX Antenna Gain	Cable Loss	Measured EIRP	
	(MHz)	(V/H)	(A/B/C)	(dBuV/m)	(dBm)	(dBi)	(dB)	(dBm)	(Watts)
25	1851.25	H	A	123	18.4	8.5	1.1	25.8	0.380
600	1880.00	H	A	122.6	18.5	8.5	1.1	25.9	0.389
1175	1908.75	H	A	122	17.9	8.5	1.3	25.1	0.324

Notes:



All 3 orthogonal DUT positions investigated. Worst case DUT Position A summarized in table.

Formulae:

ERP Level = Substitute Level + Antenna Gain -2.15

EIRP Level = Substitute Level + Antenna Gain

Margin (dB) = Limit – Level

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A.9 PASS/FAIL

In reference to the results outlined in A.1, the DUT passes the requirements as stated in the reference standards.

A.10 SIGN-OFF

I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.






Sean Johnston
Lab Manager
Celltech Labs Inc.

May 2, 2011

Date

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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Appendix B - Radiated Spurious Emissions Measurement

B.1 REFERENCES

Normative Reference Standard	FCC CFR 47 §22.917(a), FCC CFR 47 §24.238(a)
Procedure Reference	ANSI/TIA/EIA-603-C

B.2 LIMITS

B.2.1 FCC CFR 47

FCC CFR 47 §22.917 & §24.238	(a) <i>Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.</i>
------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------


B.3 ENVIRONMENTAL CONDITIONS

Temperature	25 +/- 5 °C
Humidity	40 +/- 10 %
Barometric Pressure	101 +/- 3 kPa

B.4 EQUIPMENT LIST

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00072	EMCO	2075	Mini-mast	n/a
00073	EMCO	2080	Turn Table	n/a
00071	EMCO	2090	Multi-Device Controller	n/a
00015	HP	E4408B	Spectrum Analyzer	03May12
00050	Chase	CBL-6111A	Bilog Antenna	03May13
00034	ETS	3115	Double Ridged Guide Horn	29Apr13
00035	ETS	3115	Double Ridged Guide Horn	29Apr13
00051	HP	8566B	Spectrum Analyzer RF Section	03May12
00049	HP	85650A	Quasi-peak Adapter	06May12
00047	HP	85685A	RF Preselector	05May12
00048	Gore	65474	Microwave Cable	n/a
00115	Miteq	J54-00102600-35-5A	LNA	n/a*
00006	R & S	SMR 20	Signal Generator (10MHz-40GHz)	30Apr12
00114	Amplifier Research	DC7154	Directional Coupler (0.8-4.2 GHz)	n/a
00078	Pasternack	PE2214-20	Directional Coupler (1-18 GHz)	n/a
00106	Amplifier Research	5S1G4	Power Amplifier (5W, 800MHz-4.2GHz)	n/a
00041	Amplifier Research	10W1000C	Power Amplifier (0.5 - 1 GHz)	n/a
00043	Microwave Circuits	H02G18G1	High Pass Filter	n/a*
00044	Microwave Circuits	H1G318G1	High Pass Filter	n/a*
00007	Gigatronics	8652A	Power Meter	04May12
00014	Gigatronics	80701A	Power Sensor	04May12
80012	Anritsu	MT8820A	Radio Communications Test Set	24Sep12

* verified before use

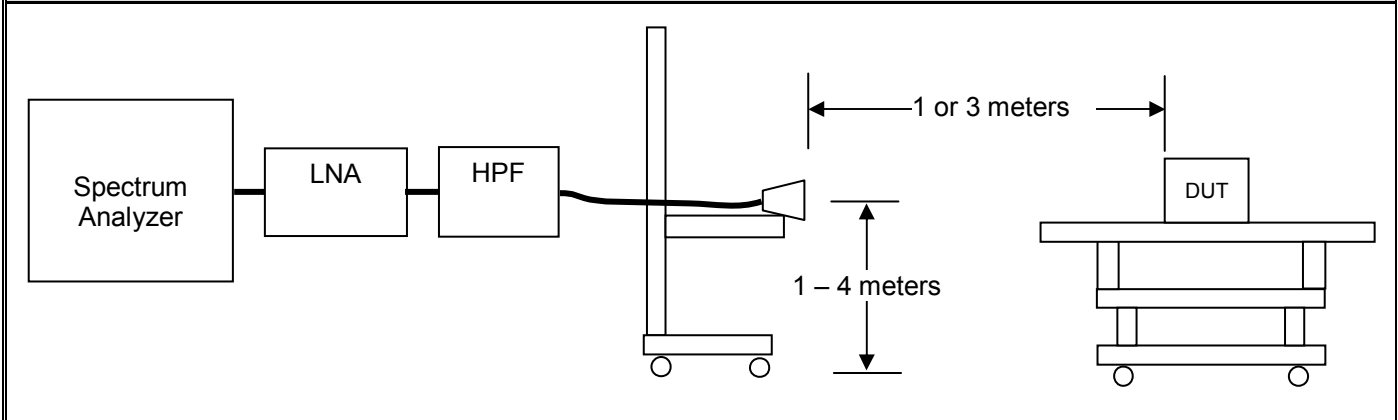
Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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B.5 MEASUREMENT EQUIPMENT SETUP

MEASUREMENT EQUIPMENT CONNECTIONS	For the field strength measurements, the measurement equipment was connected as shown in C.6. A number of antennas were used to cover the applicable frequency range tested. The ranges in which each antenna was used are shown below. For the final substitutions, the DUT was replaced with the appropriate antenna and fed from a CW signal source sufficient to replicate the received field strength of the emission being investigated.			
	Frequency Range	RX Antenna	TX Antenna	
	0.8 GHz - 18 GHz	ETS 3115 Horn	ETS 3115 Horn	
MEASUREMENT EQUIPMENT SETTINGS	For the spurious out-of-band emissions, the spectrum analyzer was set to the following settings:			
	Mode	RBW	VBW	Detector
		kHz	kHz	
	Cellular < 1 GHz	100	300	Peak*
	Cellular > 1 GHz	1000	3000	Peak*
	PCS	1000	3000	Peak*

B.6 SETUP DRAWING

Figure B.6-1 - Setup Drawing



B.7 DUT OPERATING DESCRIPTION

Measurements were made for the low, mid and high channels transmitting in the cellular and PCS bands at maximum power level as described in Section 5.4.

B.8 TEST RESULTS




B.8.1 Spurious Emissions

B.8.1.1 Cellular Band Spurious Emissions - CDMA 1xRTT

Channel #	Frequency (MHz)	Ant Pol (V/H)	DUT Position (A/B/C)	FS (dBuV/m)	Substitution signal generator level (dBm)	TX Antenna Gain (dBi)	Cable Loss (dB)	ERP Level (dBm)	Limit (dBm)	Margin (dB)
1013	1649.40	V	A	n/f		8.8	2.3		-13	
	2474.10	V	A	n/f		9.75	3.0		-13	
	3298.80	V	A	n/f		9.5	3.7		-13	
	4123.50	V	A	n/f		10.4	4.0		-13	
	4948.20	V	A	n/f		10.8	4.3		-13	
	1649.40	H	A	68.3	-37.5	8.8	2.3	-31.0	-13	18.0
	2474.10	H	A	52.5	-52.3	9.75	3.0	-45.6	-13	32.6
	3298.80	H	A	n/f		9.5	3.7		-13	
	4123.50	H	A	52.8	-52.3	10.4	4.0	-45.9	-13	32.9
	4948.20	H	A	59.6	-46.4	10.8	4.3	-39.9	-13	26.9
384	1673.04	V	A	n/f		8.8	2.3		-13	
	2509.56	V	A	n/f		9.75	3.0		-13	
	3346.08	V	A	n/f		9.5	3.7		-13	
	4182.6	V	A	n/f		10.4	4.0		-13	
	5019.12	V	A	n/f		10.8	4.3		-13	
	1673.04	H	A	57.7	-48.6	8.8	2.3	-42.1	-13	29.1
	2509.56	H	A	n/f		9.75	3.0		-13	
	3346.08	H	A	52.3	-52.4	9.5	3.7	-46.6	-13	33.6
	4182.6	H	A	58.8	-45.3	10.4	4.0	-38.9	-13	25.9
	5019.12	H	A	62.1	-43.5	10.8	4.3	-37.0	-13	24.0
777	1696.62	V	A	n/f		8.8	2.3		-13	
	2544.93	V	A	n/f		9.75	3.0		-13	
	3393.24	V	A	n/f		9.5	3.7		-13	
	4241.55	V	A	n/f		10.4	4.0		-13	
	5089.86	V	A	n/f		10.8	4.3		-13	
	1696.62	H	A	65.2	-40.5	8.8	2.3	-34.0	-13	21.0
	2544.93	H	A	n/f		9.75	3.0		-13	
	3393.24	H	A	60.5	-40.1	9.5	3.7	-34.3	-13	21.3
	4241.55	H	A	62.6	-43.2	10.4	4.0	-36.8	-13	23.8
	5089.86	H	A	69.2	-32.5	10.8	4.3	-26.0	-13	13.0



- NF (Noise Floor)

The emissions reported above represent the highest emissions or noise floor measured within the frequency band of 30MHz and the 10th harmonic of the carrier. All other emissions were at the noise floor and not reported.

	Report Serial No.:	042811TS5-T1098-E24C	Report Rev. No.:	Rev. 1.0 (Initial Release)	  Test Lab Certificate No. 2470.01
	Evaluation Dates:	May 02-03, 2011	Report Issue Date:	May 26, 2011	
	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

B.8.1.2 PCS Band Spurious Emissions - CDMA 1xRTT
No emissions detected.

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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	Evaluation Dates:	May 02-03, 2011	Report Issue Date:	May 26, 2011	
	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

B.9 PASS/FAIL

In reference to the results shown in B.8, the DUT passes the requirements as stated in the reference standards as follows:

1. FCC 22.917 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB or -13 dB
2. FCC 24.238 (a): Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB or -13 dB

B.10 SIGN-OFF

I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.






Sean Johnston
Lab Manager
Celltech Labs Inc.

May 3, 2011

Date

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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	Report Serial No.:	042811TS5-T1098-E24C	Report Rev. No.:	Rev. 1.0 (Initial Release)	  Test Lab Certificate No. 2470.01
	Evaluation Dates:	May 02-03, 2011	Report Issue Date:	May 26, 2011	
	FCC Rule Part(s):	47 CFR §2, §22H, §24E	Application Type:	Class II Perm. Change	

END OF DOCUMENT

Applicant:	Sendum Wireless Corporation	FCC ID:	TS5-6055M-ET300	Model:	ET300	Sendum
DUT Type:	Ankle-worn Tracking Bracelet with Dual-Band CDMA 1xRTT	Freq. Bands:	850 Cellular / 1900 PCS			
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