

	Test Report Serial No.:	06102014-T1309-E15	Report Issue Date:	10/10/2014	
	Date of Issue:	06-Oct-2014	Report Revision No.:	Revision 1.0	
	FCC Rule Part(s):	47 CFR §15.247	FCC Test Firm Reg. No.:	714830	
	IC Standard(s):	RSS-210 RSS-Gen	IC Test Site No.:	IC 3874A-1	
					Test Lab Certificate No. 2470.01

Regulatory Compliance Test Report 15.247 DTS - FCC/IC

Test Lab Information	Name	CELLTECH LABS INC.
	Address	21-364 Lougheed Road, Kelowna, British Columbia V1X 7R8 Canada
Test Lab Registration No.(s)	FCC	714830
	IC	3874A-1
Applicant Information	Name	BLACKLINE GPS
	Address	Suite 101, 1215 13 th Street SE Calgary, Alberta, T2G 3J4, Canada
Standard(s) & Procedure(s)	FCC	47 CFR Part 15.247
	IC	RSS-210 Issue 8; RSS-Gen Issue 3
	ANSI	C63.4-2003
Device Classification(s)	FCC	Part 15, Bluetooth LE Transmitter (DTS).
	IC	Bluetooth 4.0, DTS Transmitter.
Application Type(s)	FCC/IC	TCB/CB Certification
Device Identifier(s)	FCC ID:	W77LNRDUO.
	IC:	8255A-LNRDUO
Device Name:	Loner DUO	
Device Model #:	101724	
Test Sample Serial No.	#1	
Transmit Frequency Band	2400 - 2483.5 MHz	
Transmit Frequency Range	2402.0 - 2480.0 MHz	
Max. RF Output Power	0 dBm (1mW).	
Antenna Type(s) Tested	Integral, 3.0 dBi	
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 Part 15.247; Industry Canada RSS-210 Issue 8 and RSS-Gen Issue 3; and ANSI C63.4-2003. 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. The results and statements contained in this report pertain only to the device(s) evaluated. This report shall not be reproduced partially or in full without the prior written approval of Celltech Labs Inc.		
Test Report Approved By		Glen Westwell Laboratory Manager Celltech Labs Inc.

Applicant:	Blackline GPS	Model:	101724	FCC ID:	W77LNRDUO	IC:	8255A-LNRDUO	blacklinegps
DUT :	Loner DUO							
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Test Lab Certificate No.
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Mid. Channel

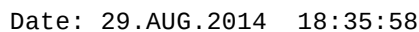


A
LVL
3DB




Test Lab Certificate No.
2470.01

Top Channel



W. H. Wells

Date

blacklinegps

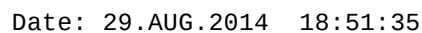
7.0 PEAK OUTPUT POWER

Normative Reference Standard	FCC CFR 15.247(b)(3), RSS-210, Annex 8.
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15,247(a)(1) RSS-210, A8.4	1W (30dBm) conducted, 4W (36dBm) E.I.R.P.
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Barometric Pressure	101 +/- 3 kPa
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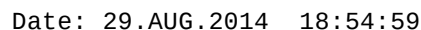


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9.0 PEAK POWER SPECTRAL DENSITY

Normative Reference Standard	FCC CFR 15.247(e), RSS-210, Annex 8.
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15,247(e) RSS-210, A8.2(b)	<8dBm/3kHz
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Barometric Pressure	101 +/- 3 kPa
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Peak Power Spectral Density/3kHz, 15.247(e)

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15.205 Restricted Band Emissions (worst case)
2402.00 MHz

Frequency (MHz)	Antenna Pol.	Emission Level (dBuV/m) @1m	Antenna Factor (dB)	*Amp Gain. (dB)	Distance Correction	Emission Level (dBuV/m@3m)	**Limit (dBuV/m@3m)	Margin
4804.0	V	29.2	32.9	----	-9.54	52.56	54.0	-1.44
12010.0	V	N.D.	39.1	-30.4	-9.54	N.D.	54.0	N.D.
	H	N.D.	38.9	-30.4	-9.54	N.D.	54.0	N.D.
19216.0	V	N.D.	43.0	-30.6	-9.54	N.D.	54.0	N.D.
	H	N.D.	43.0	-30.6	-9.54	N.D.	54.0	N.D.

15.205 Restricted Band Emissions (worst case)
2442.0 MHz

Frequency (MHz)	Antenna Pol.	Emission Level (dBuV/m) @1m	Antenna Factor (dB)	*Amp Gain. (dB)	Distance Correction	Emission Level (dBuV/m@3m)	**Limit (dBuV/m@3m)	Margin
4884.0	V	29.3	33.0	----	-9.54	52.76	54.0	-1.24
7326.0	V	42.1	36.3	-30.4	-9.54	38.46	54.0	-15.54
12210.0	V	N.D.	39.0	-30.6	-9.54	N.D.	54.0	N.D.
	H	N.D.	38.9	-30.6	-9.54	N.D.	54.0	N.D.
19530.0	V	N.D.	43.0	-28.5	-9.54	N.D.	54.0	N.D.
	H	N.D.	43.0	-28.5	-9.54	N.D.	54.0	N.D.

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