

# TEST REPORT

**Reference No.**..... : WTS19S12086775W002 V1  
**FCC ID** ..... : YETK03100100  
**Applicant**..... : Nextivity Incorporated  
**Address**..... : 16550 West Bernardo Drive, Bldg. 5, Suite 550 San Diego, CA 92127,  
USA  
**Manufacturer** ..... : Nextivity Incorporated  
**Address**..... : 16550 West Bernardo Drive, Bldg. 5, Suite 550 San Diego, CA 92127,  
USA  
**Product**..... : CEL FI COMPASS  
**Brand Name**..... : K03-100-100  
**Standards**..... : FCC CFR47 Part 15.247:2019  
**Date of Receipt sample** .... : 2019-12-12  
**Date of Test** ..... : 2019-12-13 to 2019-12-17  
**Date of Issue**..... : 2019-12-26  
**Test Result**..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

**Prepared By:**

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### 3 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS19S12086 775W002	2019-12-12	2019-12-13 to 2019-12-17	2019-12-19	original	-	Replaced
WTS19S12086 775W002 V1	2019-12-12	2019-12-13 to 2019-12-17	2019-12-26	Version 1	Updated	Valid

## 4 General Information

### 4.1 General Description of E.U.T.

Product:	CEL FI COMPASS
Model(s):	K03-100-100
Model Description:	N/A
WCDMA Band(s):	FDD Band II/IV/V
LTE Band(s):	FDD Band 2/4/5/7/12/13/25/26 TDD Band 38/41
Bluetooth Version:	Bluetooth v4.0 with BLE
Hardware Version:	591NK03NEXT1NEXT7M01r07
Software Version:	700N036-064-001

### 4.2 Details of E.U.T.

Operation Frequency:	2402~2480MHz
Max. RF output power:	0.34dBm
Type of Modulation:	GFSK, Pi/4 DQPSK, 8DPSK
Antenna installation:	Dipole
Antenna Gain:	0dBi
Ratings:	Battery DC 3.7V, 8000mAh DC 5V, 3A, charging from adapter (Adapter Input: 100-240V~50/60Hz 0.6A)
Adapter:	Manufacturer: SHENZHEN UNIONTOP ELECTRONIC CO.,LTD Model No.: UT20-050300W

### 4.3 Channel List

Normal

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2403	2	2404	3	2405
4	2406	5	2407	6	2408	7	2409
8	2410	9	2411	10	2412	11	2413
12	2414	13	2415	14	2416	15	2417
16	2418	17	2419	18	2420	19	2421
20	2422	21	2423	22	2424	23	2425
24	2426	25	2427	26	2428	27	2429
28	2430	29	2431	30	2432	31	2433
32	2434	33	2435	34	2436	35	2437
36	2438	37	2439	38	2440	39	2441
40	2442	41	2443	42	2444	43	2445
44	2446	45	2447	46	2448	47	2449
48	2450	49	2451	50	2452	51	2453
52	2454	53	2455	54	2456	55	2457
56	2458	57	2459	58	2460	59	2461
60	2462	61	2463	62	2464	63	2465
64	2466	65	2467	66	2468	67	2469
68	2470	69	2471	70	2472	71	2473
72	2474	73	2475	74	2476	75	2477
76	2478	77	2479	78	2480	-	-

## 5 Test Summary

Test Items	Test Requirement	Result
Radiated Spurious Emissions	15.205(a) 15.209 15.247(d)	PASS
Conducted Spurious emissions	15.247(d)	PASS
Band edge	15.247(d) 15.205(a)	PASS
20dB Bandwidth	15.247(a)(1)	PASS
Maximum Peak Output Power	15.247(b)(1)	PASS
Frequency Separation	15.247(a)(1)	PASS
Number of Hopping Frequency	15.247(a)(1)(iii)	PASS
Dwell time	15.247(a)(1)(iii)	PASS
Antenna Requirement	15.203	Complies
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS

Note: All radio test result refer to FCC ID: 2AATL-F23BDSM23, including Radiated Spurious Emissions, Conducted Spurious emissions, Band edge, 20dB Bandwidth, Maximum Peak Output Power, Frequency Separation, Number of Hopping Frequency and Dwell time. Because the antenna gain are less than the single modular test antenna gain.

## **6 Antenna Requirement**

According to the FCC Part 15 Paragraph 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. This product has an integral antenna with a specific size connector to fulfil the requirement of this section.

## 7 RF Exposure

Remark: refer to SAR test report: WTS19S12086775W001.

=====**End of Report**=====