

TEST REPORT

Reference No...... : WTS19S12086775W003 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
Model(s). : K03-100-100
Standards..... : FCC CFR47 Part 15.247:2018
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.

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3 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS19S12086 775W003	2019-12-12	2019-12-13 to 2019-12-17	2019-12-19	original	-	Replaced
WTS19S12086 775W003 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

BLE

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2404	2	2406	3	2408
4	2410	5	2412	6	2414	7	2416
8	2418	9	2420	10	2422	11	2424
12	2426	13	2428	14	2430	15	2432
16	2434	17	2436	18	2438	19	2440
20	2442	21	2444	22	2446	23	2448
24	2450	25	2452	26	2454	27	2456
28	2458	29	2460	30	2462	31	2464
32	2466	33	2468	34	2470	35	2472
36	2474	37	2476	38	2478	39	2480

5 Test Summary

Test Items	Test Requirement	Result
Radiated Spurious Emissions	15.247(d) 15.205(a) 15.209(a)	PASS
Conducted Spurious Emissions	15.247(d)	PASS
6dB Bandwidth	15.247(a)(2)	PASS
Maximum Peak Output Power	15.247(b)(3),(4)	PASS
Power Spectral Density	15.247(e)	PASS
Band Edge	15.247(d)	PASS
Antenna Requirement	15.203	PASS
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS

Note1: All test were performed that the device transmit continue of the 100% duty cycle.

Note2: 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.

