

TEST REPORT

Reference No...... : WTS19S12086775W005
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 22 Subpart H: 2019
FCC CFR47 Part 24 Subpart E: 2019
FCC CFR47 Part 27: 2019
FCC CFR47 Part 90: 2019
Date of Receipt sample : 2019-12-12
Date of Test : 2019-12-13 to 2019-12-17
Date of Issue..... : 2019-12-19
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 775W005	2019-12-12	2019-12-13 to 2019-12-17	2019-12-19	original	-	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:	LTE Band 2: 1850~1910MHz LTE Band 4: 1710~1755MHz LTE Band 5: 824~849MHz LTE Band 7: 2500~2570MHz LTE Band 12: 699~716MHz LTE Band 13: 777~787MHz LTE Band 25 1850~1915MHz LTE Band 26(Part 90): 814~824MHz LTE Band 26(Part 22): 824~849MHz LTE Band 38: 2570~2620MHz LTE Band 41: 2496~2690MHz
Max. RF output power:	LTE Band 2: 25dBm LTE Band 4: 25dBm LTE Band 5: 25dBm LTE Band 7: 25dBm LTE Band 12: 25dBm LTE Band 13: 25dBm LTE Band 25: 25dBm LTE Band 26: 25dBm LTE Band 38: 25dBm LTE Band 41: 25dBm
Type of Modulation:	LTE: QPSK, 16QAM
Antenna installation:	LTE: internal permanent antenna
Antenna Gain:	LTE Band 2: 0dBi LTE Band 4: 0dBi LTE Band 5: 1dBi LTE Band 7: -5dBi

	LTE Band 12: 1dBi
	LTE Band 13: 1dBi
	LTE Band 25: 0dBi
	LTE Band 26: 1dBi
	LTE Band 41: -5dBi
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
Type of Emission:	LTE Band 2 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)
	LTE Band 2 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
	LTE Band 2 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 2 10 MHz: 8M93G7D(QPSK), 8M93W7D(16QAM)
	LTE Band 2 15MHz: 13M5G7D(QPSK), 13M5W7D(16QAM)
	LTE Band 2 20MHz: 17M9G7D(QPSK), 17M9W7D(16QAM)
	LTE Band 4 1.4MHz: 1M10G7D(QPSK), 1M09W7D(16QAM)
	LTE Band 4 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
	LTE Band 4 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 4 10 MHz: 8M93G7D(QPSK), 8M91W7D(16QAM)
	LTE Band 4 15MHz: 13M4G7D(QPSK), 13M4W7D(16QAM)
	LTE Band 4 20MHz: 17M9G7D(QPSK), 17M9W7D(16QAM)
	LTE Band 5 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)
	LTE Band 5 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
	LTE Band 5 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 5 10 MHz: 8M93G7D(QPSK), 8M93W7D(16QAM)
	LTE Band 7 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 7 10 MHz: 8M93G7D(QPSK), 8M91W7D(16QAM)
	LTE Band 7 15MHz: 13M5G7D(QPSK), 13M4W7D(16QAM)
	LTE Band 7 20MHz: 17M9G7D(QPSK), 17M9W7D(16QAM)
	LTE Band 12 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)
	LTE Band 12 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
	LTE Band 12 5MHz: 4M48G7D(QPSK), 4M50W7D(16QAM)
	LTE Band 12 10MHz: 8M93G7D(QPSK), 8M93W7D(16QAM)
	LTE Band 13 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 13 10 MHz: 8M91G7D(QPSK), 8M93W7D(16QAM)
	LTE Band 25 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)
	LTE Band 25 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)
	LTE Band 25 5MHz: 4M47G7D(QPSK), 4M49W7D(16QAM)
	LTE Band 25 10 MHz: 8M91G7D(QPSK), 8M95W7D(16QAM)
	LTE Band 25 15MHz: 13M5G7D(QPSK), 13M4W7D(16QAM)
	LTE Band 25 20MHz: 17M9G7D(QPSK), 17M9W7D(16QAM)

Band 26 Part 22H

LTE Band 26 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)

LTE Band 26 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)

LTE Band 26 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)

LTE Band 26 10 MHz: 8M95G7D(QPSK), 8M93W7D(16QAM)

LTE Band 26 15MHz: 13M5G7D(QPSK), 13M4W7D(16QAM)

Band 26 Part 90

LTE Band 26 1.4MHz: 1M09G7D(QPSK), 1M09W7D(16QAM)

LTE Band 26 3MHz: 2M70G7D(QPSK), 2M69W7D(16QAM)

LTE Band 26 5MHz: 4M48G7D(QPSK), 4M50W7D(16QAM)

LTE Band 26 10 MHz: 8M91G7D(QPSK), 8M91W7D(16QAM)

LTE Band 38 5MHz: 4M48G7D(QPSK), 4M49W7D(16QAM)

LTE Band 38 10 MHz: 8M91G7D(QPSK), 8M91W7D(16QAM)

LTE Band 38 15 MHz: 13M5G7D(QPSK), 13M5W7D(16QAM)

LTE Band 38 20 MHz: 17M8G7D(QPSK), 17M8W7D(16QAM)

LTE Band 41 5MHz: 4M48G7D(QPSK), 4M50W7D(16QAM)

LTE Band 41 10 MHz: 8M91G7D(QPSK), 8M91W7D(16QAM)

LTE Band 41 15 MHz: 13M5G7D(QPSK), 13M5W7D(16QAM)

LTE Band 41 20 MHz: 17M9G7D(QPSK), 17M9W7D(16QAM)

5 Test Summary

Test Items	Test Requirement	Result
RF Output Power	2.1046 22.913 (a) 24.232 (c) 27.50(h.2) 27.50(d.4) 90.635	PASS
Peak-to-Average Ratio	24.232 (d) 27.50(d)	PASS
Bandwidth	2.1049 22.905 22.917 24.238 27.53(a) 90.691	PASS
Spurious Emissions at Antenna Terminal	2.1051 22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) 90.691	PASS
Field Strength of Spurious Radiation	2.1053 22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) 90.691	PASS
Out of band emission	22.917 (a) 24.238 (a) 27.53(h) 27.53(m)(4) 90.691	PASS
Frequency Stability	2.1055 22.355 24.235 27.5(h) 27.54 90.231	PASS
Maximum Permissible Exposure (SAR)	1.1307 2.1093	PASS

Note: All radio test result refer to FCC ID: XMR201903EG25G, including RF Output Power, Peak-to-Average Ratio, Bandwidth, Spurious Emissions at Antenna Terminal, Field Strength of Spurious Radiation, Out of band emission or Band Edge and Frequency Stability. Because the antenna gain are less than the single modular test antenna gain.

6 RF Exposure

Remark: refer to SAR test report: WTS19S12086775W001.

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