

JianYan Testing Group Shenzhen Co., Ltd.

Report No.: JYTSZ-R12-2201662

FCC RF Test Report

Applicant:Savox Communications Oy Ab		
Address of Applicant:	Keilaranta 15B Espoo 02150 Finland	
Equipment Under Test (El	JT)	
Product Name:	TRICS Lite	
Model No.:	TRICS Lite	
Trade Mark:	Savox	
FCC ID:	TUFTRICSLITE	
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.247)	
Date of Sample Receipt:	25 Jul., 2022	
Date of Test:	26 Jul., to 30 Aug., 2022	
Date of Report Issued:	31 Aug., 2022	
Test Result:	PASS	

Tested by:	Jane Wei Test Engineer	Date:	31 Aug., 2022
Reviewed by:	Resject Engineer	Date:	31 Aug., 2022
Approved by:	一 一 位 验 检 激 や 思 地 の 多 地 一 一 一 位 設 位 熟 を 用 章 二 一 の の の の の の の の の の の の の	Date:	31 Aug., 2022

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	31 Aug., 2022	Original



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3 General Information

3.1 Client Information

-				
Applicant:	Savox Communications Oy Ab			
Address:	Keilaranta 15B Espoo 02150 Finland			
Manufacturer:	Savox Communications Oy Ab			
Address:	Keilaranta 15B Espoo 02150 Finland			
Factory:	Savox Communications (Shenzhen) Co., Ltd.			
Address:	7th Floor, Building #2, Hong Hui Industrial Park, Liu Xian 2nd Road, 68th Subdistrict, Baoan, Shenzhen, China			

3.2 General Description of E.U.T.

Product Name:	TRICS Lite
Model No.:	TRICS Lite
Operation Frequency:	2402 MHz - 2480 MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Technology:	GFSK
Data Speed:	1 Mbps (LE 1M PHY)
Antenna Type:	Internal Antenna
Antenna Gain:	1.1 dBi (declare by applicant)
Antenna transmit mode:	SISO (1TX, 1RX)
Power Supply:	1*AAA DC 1.5V battery
Test Sample Condition:	The test samples were provided in good working order with no visible defects.



3.3 Test Mode and Test Environment

Test Mode:	1		
Transmitting mode	Keep the EUT in continuous transmitting with modulation		
Remark: For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan all data speed,			
found 1 Mbps (LE 1M PHY) wa	as worse case mode. The report only reflects the test data of worst mode.		
Operating Environment:			
Temperature:	15℃ ~ 35℃		
Humidity:	20 % ~ 75 % RH		
	1008 mbar		

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 dB
Radiated Emission (30MHz ~ 1GHz) (10m SAC)	±4.32 dB

Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED – CAB identifier.: CN0021

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L15527

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info-JYTee@lets.com, Website: <u>http://jyt.lets.com</u>



3.9 Test Instruments List

Radiated Emission(3m SAC):						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024	
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	03-07-2022	03-06-2023	
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	03-08-2022	03-07-2023	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	03-08-2022	03-07-2023	
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	04-07-2022	04-06-2023	
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-20-2022	01-19-2023	
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	01-20-2022	01-19-2023	
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	03-30-2022	03-29-2023	
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	03-05-2022	03-04-2023	
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-20-2022	01-19-2023	
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	10-27-2021	10-26-2022	
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-20-2022	01-19-2023	
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-20-2022	01-19-2023	
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-20-2022	01-19-2023	
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A		
Test Software	Tonscend	TS+		Version: 3.0.0.1		

Radiated Emission(10m SAC):						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024	
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	04-01-2022	03-31-2023	
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	03-31-2022	03-30-2023	
EMI Test Receiver	R&S	ESR 3	WXJ090-3	03-30-2022	03-29-2023	
EMI Test Receiver	R&S	ESR 3	WXJ090-4	03-30-2022	03-29-2023	
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-20-2022	01-19-2023	
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-20-2022	01-19-2023	
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-20-2022	01-19-2023	
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-20-2022	01-19-2023	
Test Software	R&S	EMC32	Version: 10.50.40			

Conducted Method:						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-27-2021	10-26-2022	
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A		
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	03-19-2021	03-18-2023	
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	11-19-2021	11-18-2022	
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A		
Test Software	MWRFTEST	MTS 8310		Version: 2.0.0.0		

Project No.: JYTSZR2207071



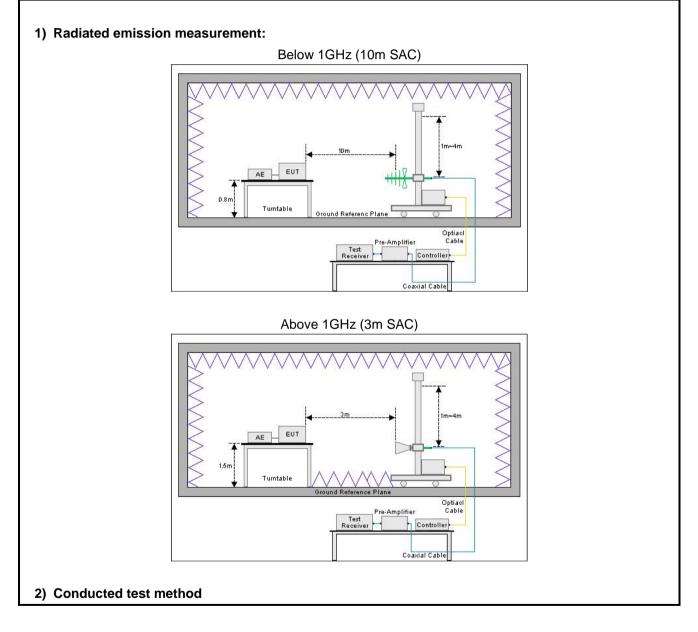
4 Measurement Setup and Procedure

4.1 Test Channel

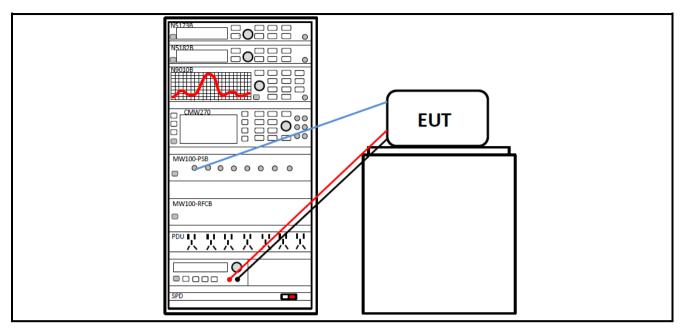
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

Lowe	est channel	Middle channel Highest channel		Middle channel		st channel
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No. Frequence (MHz)		
0	2402	20	2442	39	2480	

4.2 Test Setup









4.3 Test Procedure

Test method	Test step
Radiated emission	For below 1GHz:1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to
	 the receiving antenna is 10 m. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. Open the test software to control the test antenna and test turntable. Perform
	 5. Open the test software to control the test antenna and test turntable. Penofm the test, save the test results, and export the test data. For above 1GHz: The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.
	 EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. Open the test software to control the test antenna and test turntable. Perform
Conducted test method	 the test, save the test results, and export the test data. The BLE antenna port of EUT was connected to the test port of the test system through an RF cable. The EUT is keeping in continuous transmission mode and tested in all modulation modes. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.



5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 6.2	Pass
AC Power Line Conducted Emission	15.207	See Section 6.3	N/A
Conducted Output Power	15.247 (b)(3)	Appendix A – LE 1M PHY	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – LE 1M PHY	Pass
Power Spectral Density	15.247 (e)	Appendix A – LE 1M PHY	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A – LE 1M PHY	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 6.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 6.5	Pass
Remark:			1

1. Pass: The EUT complies with the essential requirements in the standard.

2. N/A: Not Applicable.

3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method:

ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02



5.1.2 Test Limit

Test items		Lir	nit			
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.					
6dB Emission Bandwidth	The minimum 6 dB band	width shall be	at least 500 kH	z.		
99% Occupied Bandwidth	N/A					
Power Spectral Density	For digitally modulated s intentional radiator to the band during any time inte	antenna shall	not be greater	than 8 dBm in any 3 k		
Band-edge Emission Conduction Spurious Emission	In any 100 kHz bandwidt spectrum or digitally mod frequency power that is p dB below that in the 100 highest level of the desim radiated measurement, p the peak conducted pow power limits based on the permitted under paragrap this paragraph shall be 3 limits specified in §15.20 which fall in the restricted with the radiated emission	dulated intentio produced by the kHz bandwidth ed power, base provided the tra er limits. If the e use of RMS a ph (b)(3) of this 0 dB instead o 9(a) is not requ d bands, as def	nal radiator is of e intentional radio within the bar ed on either an insmitter demo transmitter con averaging over s section, the a f 20 dB. Attenu uired. In additio fined in §15.20	operating, the radio diator shall be at least ad that contains the RF conducted or a nstrates compliance w nplies with the conduct a time interval, as ttenuation required und tation below the genera- n, radiated emissions 5(a), must also comply	<i>r</i> ith ted der al	
	Frequency	Limit (dBμV/m)	Detector		
	(MHz)	@ 3m	@ 10m	Detector		
	30 – 88	40.0	30.0	Quasi-peak		
Emissions in Restricted	88 – 216	43.5	33.5	Quasi-peak		
Frequency Bands	216 – 960	46.0	36.0	Quasi-peak		
	960 – 1000	54.0	44.0	Quasi-peak		
Emissions in Non-restricted	Note: The more stringent lim	nit applies at transiti				
Frequency Bands	Frequency		Limit (dBµV/m) @ 3m		
			rage	Peake		
	Above 1 GHz	-	4.0	74.0		
	Note: The measurement bar	ndwidth shall be 1 N	1Hz or greater.		I	



5.2 Antenna requirement

Standard requirement: FCC Part 15 C Section 15.203 /247(b)(4)

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

The BLE antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 1.1 dBi. See product internal photos for details.



Product Name: **TRICS** Lite **Product Model: TRICS** Lite Test By: Janet Test mode: BLE Tx (LE 1M PHY) **Test Channel:** Lowest channel **Polarization:** Vertical **Test Voltage:** AC 120/60Hz FCC PART 15 C 110 100. 90-80 FCC PART 15 C-PK 70 Level[dBµV/m] 60 50 40 30 20 10-231G 2 3194G 2 3476G 2 3664G 2 3758G 2 3852G 2 3946G 2 404G 2 3288G 2.3382G 2 357G Frequency[Hz] - PK Limit - AV Limit - Vertical PK AV Detector PK Detector **Suspected Data List** Level Reading Factor Limit Margin Freq. NO. Polarity Trace [MHz] [dBµV/m] [dB] [dBµV/m] [dBµV/m] [dB] 2337.91 23.49 ΡK Vertical 1 35.20 58.69 74.00 15.31 2 2337.91 12.95 35.20 48.15 54.00 5.85 AV Vertical 2365.83 ΡK 3 22.67 35.41 58.08 74.00 15.92 Vertical 2365.83 4 12.63 35.41 54.00 5.96 AV Vertical 48.04 2390.00 5 22.59 35.60 58.19 74.00 15.81 ΡK Vertical 6 2390.00 12.47 35.60 48.07 54.00 5.93 AV Vertical Remark: 1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

5.3 Emissions in Restricted Frequency Bands



_		TRICS Lite			Product I	Model:	TRICS Lite)	
est By:		Janet			Test mod	le:	BLE Tx (L	E 1M PHY)	
est Cha	annel:	Lowest channe	I		Polarizati	ion:	Horizontal		
est Vol	tage:	AC 120/60Hz							
	110 100 90 80 70 60 50		• <u>1</u> •	FCC PART 15	C		E	ART 15 C PK Limit	
Lev	40 30 20 10 0 2.31G → PK Limi ◆ PK Deta			3476G 2.357G Frequency[Hz Iorizontal AV	2.3664G]	2.3758G 2.3	852G 2.30	246G 2.404G	
	30 20 10 2.31G — PK Limi	AV Limit AV Detector AV Detector		Frequency[Hz			852G 2.36	246G 2.404G	
	30 20 10 0 2.31G • PK Lim • PK Dete	AV Limit		Frequency[Hz		23758G 23	852G 2.36	Polarity	
Susp	30 20 10 0 231G PK Limi PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK 2339.32	AV Limit ◆ AV Detector a List Reading [dBµV/m] 23.89	- Horizontal PK F Factor	Frequency[Hz Iorizontal AV	Limit	Margin			
Susp NO.	30 20 10 0 231G → PK Limi ◆ PK Detr PK Detr	AV Limit ◆ AV Detector a List Reading [dBµV/m] 23.89	- Horizontal PK - F Factor [dB]	Frequency[Hz Iorizontal AV	Limit [dBµV/m]	Margin [dB]	Trace	Polarity	
Susp NO. 1	30 20 10 0 231G PK Limi PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK Detr PK 2339.32	AV Limit AV Detector a List Reading [dBµV/m] 23.89 12.92	Factor [dB] 35.21	Frequency[Hz Iorizontal AV	Limit [dBµV/m] 74.00	Margin [dB] 14.90	TracePK	Polarity Horizontal	
Susp NO. 1 2	30 20 10 0 2316 → PK Lim → PK Det → PK Det → PK Det → PK Det → PK Det	AV Limit AV Detector AV De	- Horizontal PK	Frequency[Hz lorizontal AV Level [dBµV/m] 59.10 48.13	Limit [dBµV/m] 74.00 54.00	Margin [dB] 14.90 5.87	Trace PK AV	Polarity Horizontal Horizontal	
Susp NO. 1 2 3	30 20 10 0 231G → PK Limit → PK Detr → PK Detr → PK Detr → PK Detr → PK Detr → PK Detr → PK Jimit → PK Limit → PK Limit → PK Detr → PK Jimit → Jimit → PK Jimit → J	a List	Factor [dB] 35.21 35.21 35.37	Frequency[Hz Iorizontal AV Level [dBµV/m] 59.10 48.13 59.90	Limit [dBµV/m] 74.00 54.00 74.00	Margin [dB] 14.90 5.87 14.10	Trace PK AV PK	Polarity Horizontal Horizontal Horizontal	



		TRICS Lite			Product I	Model:	TRICS Lite		
est By:		Janet	Test mode: BLE Tx (LE 1M		BLE Tx (LE 1				
est Cha	nnel:	Highest channe)		Polarizati	ion:	Vertical		
est Volt	age:	AC 120/60Hz					_		
	110 100 90 80 70 60 50 40		2	FCC PART 15	C		.5	ART 15 C-PK Limit	
- Lev	30 20 10 0		2.4846G 2.4 - Vertical PK — Vertic	368G 2.489G Frequency[Hz al AV	2.4912G]	2.4934G 2.49	956G 2.49	78G 2.5G	
	30 20 10 0 2.478G 2.	AV Limit		Frequency[Hz		2.4934G 2.4	956G 2.49	78G 2.5G	
	30 20 10 0 2.478G 2. PK Limit • PK Detec	AV Limit		Frequency[Hz		2.4934G 2.49 Margin [dB]	956G 2.49 Trace	78G 2.5G Polarity	
Susp	30 20 10 0 2.478G 2. PK Limit PK Detector PK Detector Freq.	AV Limit AV Detector AV Detector A List Reading	- Vertical PK — Verti Factor	Frequency[Hz	Limit	Margin			
Suspe NO.	30 20 10 0 2.478G 2. → PK Limit ◆ PK Detector Freq. [MHz]	AV Limit AV Detector AV Detector AV Detector AV Detector	- Vertical PK — Vertiv Factor [dB]	Frequency[Hz al AV	Limit [dBµV/m]	Margin [dB]	Trace	Polarity	
Suspo NO. 1	30 20 10 0 2.478G 2. → PK Limit ◆ PK Detec Ected Data Freq. [MHz] 2483.50	AV Limit AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector	- Vertical PK — Verti Factor [dB] 35.51	Frequency[Hz al AV Level [dBµV/m] 61.29	Limit [dBµV/m] 74.00	Margin [dB] 12.71	Trace PK	Polarity Vertical	
Suspe NO. 1 2	30 20 10 2,4786 2. → PK Limit ◆ PK Detec ● PK D	AV Limit AV Detector AV Detector	- Vertical PK — Vertic Factor [dB] 35.51 35.51	Erequency[Hz al AV Level [dBµV/m] 61.29 48.45	Limit [dBµV/m] 74.00 54.00	Margin [dB] 12.71 5.55	Trace PK AV	Polarity Vertical Vertical	
Suspe NO. 1 2 3	30 20 10 2,4786 2. → PK Limit → PK Detect Freq. [MHz] 2483.50 2483.50 2483.50 2489.85	AV Limit AV Detector AV DETE	- Vertical PK — Vertia Factor [dB] 35.51 35.51 35.50	Erequency[Hz al AV Level [dBµV/m] 61.29 48.45 48.00	Limit [dBµV/m] 74.00 54.00 54.00	Margin [dB] 12.71 5.55 6.00	Trace PK AV AV	Polarity Vertical Vertical Vertical	



	Name:	TRICS Lite			Product I	Model:	TRICS Lite)
est By:		Janet			Test mod	le:	BLE Tx(L	E 1M PHY)
est Cha	nnel:	Highest channe	el l		Polarizati	ion:	Horizontal	
est Volt	age:	AC 120/60Hz						
1 [Wi/\rigp	10 00 90 80 70 60 50 40		1	FCC PART 15 C	3		5	ART 15 C-PK Limit
	30 20 10 0 2.478G 2. PK Limit • PK Detec			1868G 2.489G Frequency[Hz] Iorizontal AV	2.4912G	2.4934G 2.49	956G 2.49	
	20 10 0 2.478G 2. PK Limit PK Detection	AV Limit tor AV Detector	- Horizontal PK — H	Frequency[Hz]			056G 2.49	78G 2.5G
	20 10 0 2.478G 2. — PK Limit ◆ PK Detec	AV Limit		Frequency[Hz]		2.4934G 2.49 Margin [dB]	2.49 Trace	78G 25G Polarity
Suspe	20 10 0 2.478G 2. PK Limit PK Detec PK Detec PK Detec PK Detec PK Detec	AV Limit AV Detector	- Horizontal PK — H Factor	Frequency[Hz] Iorizontal AV	Limit	Margin		
Suspe NO.	20 10 0 2478G 2 PK Limit PK Detection PK Detection Freq. [MHz]	AV Limit AV Detector AV Detector AV Detector	- Horizontal PK — H Factor [dB]	Frequency[Hz] Iorizontal AV	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
Suspe NO. 1	20 10 0 2.478G 2. PK Limit PK Detec PK Detec PK Detec PK Detec PK Detec	AV Limit AV Detector AV Detector AV Detector AV Detector AV Detector	- Horizontal PK — H Factor [dB] 35.51	Frequency(Hz) Iorizontal AV	Limit [dBµV/m] 74.00	Margin [dB] 13.61	Trace	Polarity Horizontal
Suspe NO. 1 2	20 10 0 2.478G 2. PK Limit PK Detector PK Detector	AV Limit AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector AV Detector	- Horizontal PK — H Factor [dB] 35.51 35.51	Frequency[Hz] Iorizontal AV	Limit [dBµV/m] 74.00 54.00	Margin [dB] 13.61 5.59	Trace PK AV	Polarity Horizontal Horizontal
Suspe NO. 1 2 3	20 10 0 2.478G 2. PK Limit PK Detector PK Detector PK Detector PK Detector PK Detector PK Detector PK Detector PK Detector PK Detector 2483.50 2483.50 2490.12	AV Limit AV Detector AV DETE	- Horizontal PK - H Factor [dB] 35.51 35.51 35.50	Frequency[Hz] Ionzontal AV	Limit [dBµV/m] 74.00 54.00 54.00	Margin [dB] 13.61 5.59 5.88	Trace PK AV AV	Polarity Horizontal Horizontal Horizontal



5.4 Emissions in Non-restricted Frequency Bands

Below 1GHz:

		TRICS Lite			Pro	duct Model:	TRICS	S Lite
ſest By:		Janet			Tes	st mode:	BLE T	x (LE 1M PHY
Test Frequency	:	30 MHz ~ 1 G	Hz		Pol	Polarization: Vertical & H		al & Horizontal
Fest Voltage:		AC 120/60Hz						
				Full Spec	strum			
45 T	<u>.</u>						FCC PART 1	5.247 10 m
40-								
≥ ³⁰⁻	_							
Level in dBrV								* 4
,⊑ 20- 							and the second	and the state
ے + 10			sk.	*		*	a Lind a state of the line of	
	. Lind				All the property and	ALCONTRACTOR		
	Wild in.	. An and dd		Colored Hardware Con	the second distance			
I 0+			and the state of the	tions. In		_	_	
0 30	м	50 60	80 100	M	200	300 400	500	800 1G
• •	м	50 60	80 100		200 ency in Hz	300 400	500	800 1G
30		50 60	80 100	Freque			500 Final_Res	
30 * C	Xitical_			Freque	ency in Hz	•		
30 * C	Xitical_	Freas PK+		Freque	ency in Hz RT 15.247 10 m	•		
30 * C	Xitical_	Freas PK+		Freque	ency in Hz RT 15.247 10 m	•		
* C	Previev	Freqs PK+ v Result 1H-PK		Freque FCC PAR Preview F	ency in Hz RT 15.247 10 m Result 1V-PK+ Height	•	Final_Rest	ult QPK
Frequen (MHz)	Pritical Preview	Freqs PK+ v Result 1H-PK MaxPeak (dB ⊭ V/m)	+ Limit (dB µ V/m)	Freque FCC PAR Preview f Margin (dB)	ency in Hz RT 15.247 10 m Result 1V-PK+ Height (cm)	Pol	Final_Rest Azimuth (deg)	ult QPK Corr. (dB/m)
30 * C Frequen (MHz) 38.9725 65.3565	Dritical Previev 00 00	Freqs PK+ v Result 1H-PK (dB µ V/m) 9.35 9.99	+ Limit (dB µ V/m) 30.00 30.00	Freque FCC PAR Preview R Margin (dB) 20.65 20.01	ency in Hz T 15.247 10 m Result 1V-PK+ Height (cm) 100.0 100.0	Pol H V	Final_Rest Azimuth (deg) 146.0 146.0	Corr. (dB/m) -15.9 -17.4
* C Frequen (MHz) 38.9725 65.3565 117.9305	Dritical Preview 00 00 500	Freqs PK+ v Result 1H-PK (dB µ V/m) 9.35 9.99 14.63	+ Limit (dB µ V/m) 30.00 30.00 33.50	Freque FCC PAR Preview R Margin (dB) 20.65 20.01 18.87	ency in Hz T 15.247 10 m Result 1V-PK+ (cm) 100.0 100.0 100.0	Pol H V H	Final_Rest Azimuth (deg) 146.0 146.0 194.0	Corr. (dB/m) -15.9 -17.4 -17.9
* C Frequen (MHz) 38.9725 65.3565	Dritical Preview 00 00 500	Freqs PK+ v Result 1H-PK (dB µ V/m) 9.35 9.99	+ Limit (dB µ V/m) 30.00 30.00	Freque FCC PAR Preview R Margin (dB) 20.65 20.01	ency in Hz T 15.247 10 m Result 1V-PK+ Height (cm) 100.0 100.0	Pol H V	Final_Rest Azimuth (deg) 146.0 146.0	Corr. (dB/m) -15.9 -17.4



Above 1GHz:

			LE Tx (LE 1M PH			
			hannel: Lowest ch			
	1	D	etector: Peak Valu	L	-	I
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
4804.00	62.92	-9.08	53.84	74.00	20.16	Vertical
4804.00	60.83	-9.08	51.75	74.00	22.25	Horizontal
	T	Det	ector: Average Va	alue		1
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
4804.00	60.52	-9.08	51.44	54.00	2.56	Vertical
4804.00	56.91	-9.08	47.83	54.00	6.17	Horizontal
		Test	channel: Middle ch	nannel		
	T	D	etector: Peak Valu			1
Frequency	Read Level	Factor	Level	Limit	Margin	Polarization
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	i olunzuioi
4884.00	62.68	-8.59	54.09	74.00	19.91	Vertical
4884.00	60.94	-8.59	52.35	74.00	21.65	Horizontal
		Det	ector: Average Va	alue		-
Frequency	Read Level	Factor	Level	Limit	Margin	Polarizatior
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	1 0101120101
4884.00	60.86	-8.59	52.27	54.00	1.73	Vertical
4884.00	56.83	-8.59	48.24	54.00	5.76	Horizontal
		Test c	hannel: Highest c	hannel		
		D	etector: Peak Val	ue	n	
Frequency	Read Level	D Factor	Level	Limit	Margin	Polarization
Frequency (MHz)	Read Level (dBµV)				Margin (dB)	Polarizatior
		Factor	Level	Limit	-	Polarizatior Vertical
(MHz)	(dBµV)	Factor (dB)	Level (dBµV/m)	Limit (dBµV/m)	(dB)	
(MHz) 4960.00	(dBµV) 62.79	Factor (dB) -8.03 -8.03	Level (dBµV/m) 54.76	Limit (dBµV/m) 74.00 74.00	(dB) 19.24	Vertical
(MHz) 4960.00	(dBµV) 62.79	Factor (dB) -8.03 -8.03	Level (dBµV/m) 54.76 52.93	Limit (dBµV/m) 74.00 74.00	(dB) 19.24	Vertical Horizontal
(MHz) 4960.00 4960.00	(dBµV) 62.79 60.96	Factor (dB) -8.03 -8.03 Det	Level (dBµV/m) 54.76 52.93 rector: Average Va	Limit (dBµV/m) 74.00 74.00 alue	(dB) 19.24 21.07	Vertical Horizontal
(MHz) 4960.00 4960.00 Frequency	(dBµV) 62.79 60.96 Read Level	Factor (dB) -8.03 -8.03 Def Factor	Level (dBµV/m) 54.76 52.93 rector: Average Va Level	Limit (dBµV/m) 74.00 74.00 alue Limit	(dB) 19.24 21.07 Margin	Vertical

2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

-----End of report-----