

# **RF TEST REPORT**

Product Name: Smart GPS Cycling Computer

Model Name: G+, G, N5, N6, N7, N8, N9

FCC ID: 2AJFWXOSS2

Issued For : Shanghai Dabuziduo Information and Technology Co., Ltd

Room 602 East Tower 6F XINGZHE Office No.800 Guo Shun East Road, Yangpu District Shanghai China

Issued By : Shenzhen LGT Test Service Co., Ltd. Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Report Number:	LGT23G064RF05
Sample Received Date:	Jul. 18, 2023
Date of Test:	Jul. 18, 2023 – Aug. 06, 2023
Date of Issue:	Aug. 06, 2023

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# **TEST REPORT CERTIFICATION**

Applicant:	Shanghai Dabuziduo Information and Technology Co., Ltd
Address:	Room 602 East Tower 6F XINGZHE Office No.800 Guo Shun East Road, Yangpu District Shanghai China
Manufacturer:	Shanghai Dabuziduo Information and Technology Co., Ltd
Address:	Room 602 East Tower 6F XINGZHE Office No.800 Guo Shun East Road, Yangpu District Shanghai China
Product Name:	Smart GPS Cycling Computer
Trademark:	XOSS
Model Name:	G+, G, N5, N6, N7, N8, N9
Sample Status:	Normal

APPLICABLE STANDARDS					
STANDARD TEST RESULTS					
FCC Part 15.247, Subpart C ANSI C63.10-2013	PASS				

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Zane Shan Engineer

Approved by:

reali

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## **Revision History**

Rev.	Issue Date	Contents
00	Aug. 06, 2023	Initial Issue



## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards: KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247, Subpart C					
Standard Section	Test Item	Judgment	Remark		
15.207	Conducted Emission	PASS			
15.247 (a)(2)	6dB Bandwidth	PASS			
15.247 (b)(3)	Output Power	PASS			
15.209	Radiated Spurious Emission	PASS			
15.247 (d)	Conducted Spurious & Band Edge Emission	PASS			
15.247 (e)	Power Spectral Density	PASS			
15.205	Restricted Band Edge Emission	PASS			
Part 15.247(d)/ Part 15.209(a)	Band Edge Emission	PASS			
15.203	Antenna Requirement	PASS			

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report.

(2) All tests are according to ANSI C63.10-2013.



## 1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.	
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177 Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China	
	A2LA Certificate No.: 6727.01	
Accreditation Certificate	FCC Registration No.: 746540	
	CAB ID: CN0136	

#### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	±0.68dB
2	Unwanted Emissions, conducted	±2.988dB
3	All emissions, radiated 9K-30MHz	±2.84dB
4	All emissions, radiated 30M-1GHz	±4.39dB
5	All emissions, radiated 1G-6GHz	±5.10dB
6	All emissions, radiated>6G	±5.48dB
7	Conducted Emission (9KHz-150KHz)	±2.79dB
8	Conducted Emission (150KHz-30MHz)	±2.80dB

Note: The measurement uncertainty is not included in the test result.



## 2. GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Smart GPS Cycling Computer			
Trademark:	XOSS			
Model Name:	G+			
Series Model:	G, N5, N6, N7, N8, N9			
Model Difference:	Only the model is different.			
Product Description:	Operation Frequency:2402~2480 MHzModulation Type:GFSKRadio Technology:BLEBluetooth Configuration:BLE (1M PHY and 2M PHY)Number Of Channel:40Antenna Designation:PCB AntennaAntenna Gain (dBi)0			
Channel List:	Please refer to the Note 3.			
Rating:	Input: DC 5V, 0.3A			
Battery:	Rated Voltage: 3.7V			
Hardware Version:	N/A			
Software Version:	N/A			
Connecting I/O Port(s):	Please refer to the Note 1.			

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.

2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

3.

	Channel List						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	10	2422	20	2442	30	2462
01	2404	11	2424	21	2444	31	2464
02	2406	12	2426	22	2446	32	2466
03	2408	13	2428	23	2448	33	2468
04	2410	14	2430	24	2450	34	2470
05	2412	15	2432	25	2452	35	2472
06	2414	16	2434	26	2454	36	2474
07	2416	17	2436	27	2456	37	2476
08	2418	18	2438	28	2458	38	2478
09	2420	19	2440	29	2460	39	2480



#### 2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions

Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Worst Mode Description		Data/Modulation
Mode 1	TX CH00(2402MHz)	1 MHz/GFSK
Mode 2	TX CH19(2440MHz)	1 MHz/GFSK
Mode 3	TX CH39(2480MHz)	1 MHz/GFSK
Mode 4	TX CH00(2402MHz)	2 MHz/GFSK
Mode 5	TX CH19(2440MHz)	2 MHz/GFSK
Mode 6	TX CH39(2480MHz)	2 MHz/GFSK

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.(2) We have be tested for all avaiable U.S. voltage and frequency (For 120V,50/60Hz

and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report.

(3) The battery is fully-charged during the radited and RF conducted test.

#### For AC Conducted Emission

Test Case			
AC Conducted Emission	Mode 7: Keeping BLE TX		

#### 2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: BLE				
	Mode Or Modulation type	Power setting			
FCC_1.0.1708.29002	1M	Default			
	2M				



#### 2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

#### Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
USB-A to USB-C Cable	N/A	N/A	N/A	1m, unshielded, without ferrite core

#### Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	HUAWEI	HKF-16	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in  $\[\]$  Length  $\]$  column.
- (2) "YES" is means "with core"; "NO" is means "without core".



## 2.5 EQUIPMENTS LIST

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2023.04.13	2024.04.12
LISN	COM-POWER	LI-115	02032	2023.04.07	2024.04.06
LISN	SCHWARZBECK	CHWARZBECK NNLK 8121		2023.04.07	2024.04.06
LISN	LISN SCHWARZBECK		00160	2023.04.07	2024.04.06
Transient Limiter	CYBERTEK	EM5010A	E225010004 9	2023.04.07	2024.04.06
Temperature & Humidity	KTJ	TA218B	N.A	2023.04.24	2024.04.23
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment		1	I	I	Γ
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2023.04.13	2024.04.12
Active loop Antenna	ETS	6502	00049544	2022.06.02	2025.06.01
Spectrum Analyzer	Keysight	N9010B	MY60242508	2023.04.10	2024.04.09
Bilog Antenna(30M-1G)	SCHWARZBECK	VULB 9168	2705	2022.06.05	2025.06.04
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2022.06.02	2025.06.01
Horn Antenna(18-40G)	A-INFO	LB-180400-KF	J211060273	2022.06.08	2025.06.07
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2023.04.07	2024.04.06
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2023.04.07	2024.04.06
Pre-amplifier(18-40G)	com-mw	LNPA_18-40-01	18050003	2023.04.07	2024.04.06
Wireless Communications Test Set	R&S	CMW 500	137737	2023.04.13	2024.04.12
Temperature & Humidity	KTJ	TA218B	N.A	2023.04.24	2024.04.23
Testing Software	EMC-I_V1.4.0.3_SKET				

Conducted Test equipment									
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until				
Signal Analyzer	Keysight	N9010B	MY60242508	2023.04.10	2024.04.09				
Wireless Communications Test Set	R&S	CMW 500	137737	2023.04.13	2024.04.12				
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2023.04.07	2024.04.06				
Power Sensor	MW	MW100-RFCB	MW220324LG-33	2023.04.13	2024.04.12				
Temperature & Humidity	KTJ	TA218B	N.A	2023.04.24	2024.04.23				
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2023.05.10	2024.05.09				
Attenuator	eastsheep	90db	N.A	2023.04.10	2024.04.09				
Testing Software	MTS8200_V2.0.0.0_MW								



## 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

#### 3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

	Conducted Emission limit (dBuV)			
FREQUENCY (MHz)	Quasi-peak	Average		
0.15 -0.5	66 - 56 *	56 - 46 *		
0.50 -5.0	56.00	46.00		
5.0 -30.0	60.00	50.00		

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

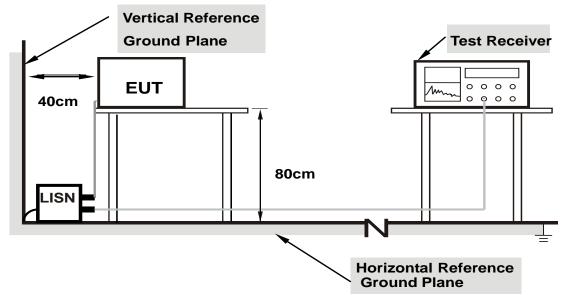
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



#### 3.2 TEST PROCEDURE

- a. The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN is at least 80 cm from the nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 3.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

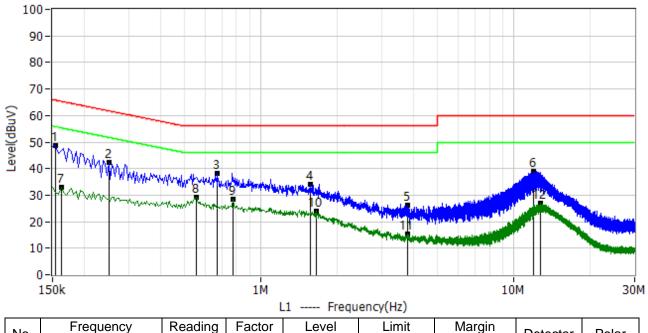
#### 3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



## 3.5 TEST RESULTS

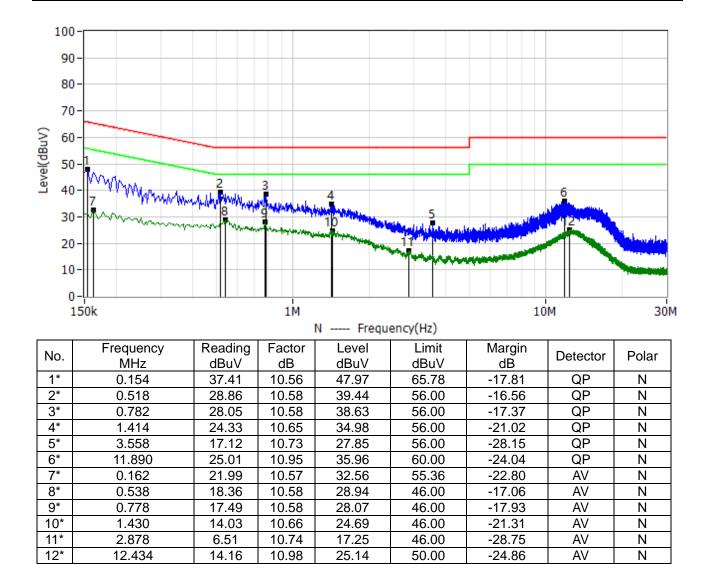
Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.2°C
M/N: G+	Humidity: 47%RH
Test Voltage: AC 120V/60Hz	Test Data: 2023-07-22
Test Mode: BLE TX	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	37.97	10.57	48.54	65.78	-17.24	QP	L1
2*	0.250	31.76	10.60	42.36	61.76	-19.39	QP	L1
3*	0.674	27.61	10.58	38.19	56.00	-17.81	QP	L1
4*	1.570	23.44	10.68	34.12	56.00	-21.88	QP	L1
5*	3.798	15.32	10.72	26.04	56.00	-29.96	QP	L1
6*	11.990	27.91	10.93	38.84	60.00	-21.16	QP	L1
7*	0.162	22.52	10.57	33.09	55.36	-22.27	AV	L1
8*	0.554	18.73	10.58	29.31	46.00	-16.69	AV	L1
9*	0.778	18.07	10.58	28.65	46.00	-17.35	AV	L1
10*	1.658	13.35	10.69	24.04	46.00	-21.96	AV	L1
11*	3.798	4.61	10.72	15.33	46.00	-30.67	AV	L1
12*	12.690	15.83	10.96	26.79	50.00	-23.21	AV	L1



Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.2°C
M/N: G+	Humidity: 47%RH
Test Voltage: AC 120V/60Hz	Test Data: 2023-07-22
Test Mode: BLE TX	
Note:	





## 4. RADIATED EMISSION MEASUREMENT

#### **4.1 RADIATED EMISSION LIMITS**

In case the emission fall within the Restricted band specified on Part15.205 (a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)					
Frequencies	Field Strength	Measurement Distance			
(MHz)	(micorvolts/meter)	(meters)			
0.009~0.490	2400/F(KHz)	300			
0.490~1.705	24000/F(KHz)	30			
1.705~30.0	30	30			
30~88	100	3			
88~216	150	3			
216~960	200	3			
Above 960	500	3			

#### .....

#### LIMITS OF RADIATED EMISSION MEASUREMENT (1GHz-25 GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)		
	PEAK	AVERAGE	
Above 1000	74	54	

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			



For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP/AV
Start Frequency	9 KHz/150KHz (Peak/QP/AV)
Stop Frequency	150KHz/30MHz (Peak/QP/AV)
	200Hz (From 9kHz to 0.15MHz)/
RB / VB (emission in restricted	9KHz (From 0.15MHz to 30MHz);
band)	200Hz (From 9kHz to 0.15MHz)/
	9KHz (From 0.15MHz to 30MHz)

Spectrum Parameter	Setting	
Attenuation	Auto	
Detector	Peak/QP	
Start Frequency	30 MHz (Peak/QP)	
Stop Frequency	1000 MHz (Peak/QP)	
RB / VB (emission in restricted	120 KHz / 300 KHz	
band)	120 KHZ / 300 KHZ	

Spectrum Parameter	Setting		
Attenuation	Auto		
Detector	Peak		
Start Frequency	1000 MHz (Peak/AV)		
Stop Frequency	10th carrier hamonic (Peak/AV)		
RB / VB (emission in restricted	1 MHz / 3 MHz(Peak)		
band)	1 MHz/1/T MHz(AVG)		
For Restricted band			
Spectrum Parameter	Setting		
Detector	Peak		
Start/Stop Fraguanay	Lower Band Edge: 2310 to 2410 MHz		
Start/Stop Frequency	Upper Band Edge: 2475 to 2500 MHz		
	1 MHz / 3 MHz(Peak)		
RB / VB	1 MHz/1/T MHz(AVG)		

Receiver Parameter	Setting
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



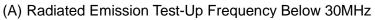
#### 4.2 TEST PROCEDURE

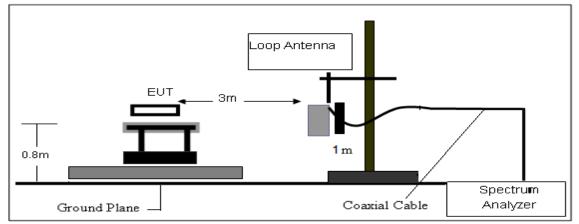
- a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- e. If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

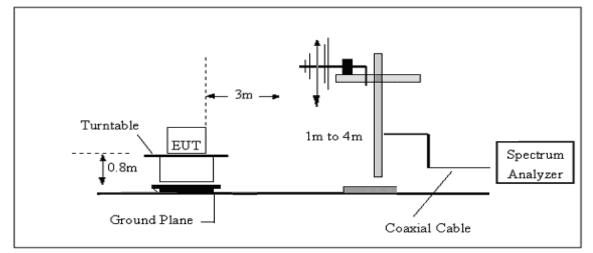


## 4.3 TEST SETUP

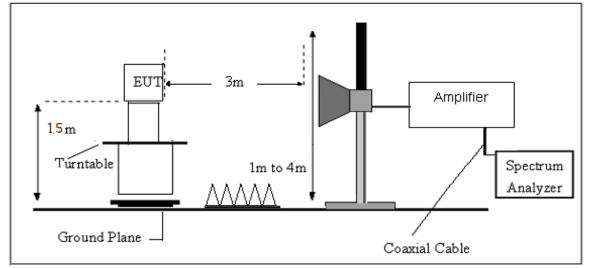


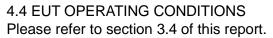


#### (B) Radiated Emission Test-Up Frequency 30MHz~1GHz



#### (C) Radiated Emission Test-Up Frequency Above 1GHz







#### 4.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

Factor=AF+CL-AG



## 4.6 TEST RESULTS

#### Results of Radiated Emissions (9 KHz~30MHz)

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Remark
1*	-	-	-	-	-	-	-	See Note

#### Note:

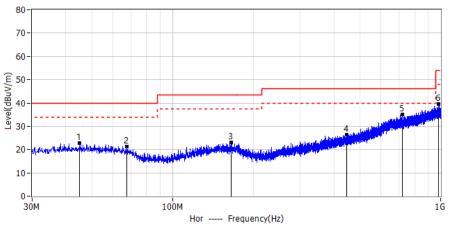
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB); Limit line = specific limits (dBuV) + distance extrapolation factor.

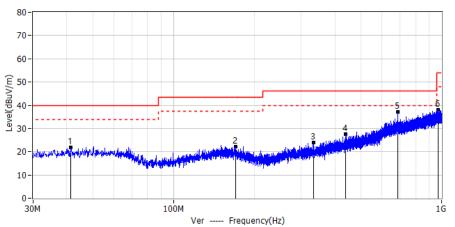


## Results of Radiated Emissions (30MHz~1000MHz)

Project: LGT23G064	Test Engineer: LiuH	
EUT: Smart GPS Cycling Computer	Temperature: 28.9°C	
M/N: G+	Humidity: 47%RH	
Test Voltage: Battery	Test Data: 2023-07-22	
Test Mode: BLE TX		
Note:		



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	45.156MHz	3.57	19.22	22.79	40.00	-17.21	QP	Hor
2*	67.588MHz	3.14	18.17	21.31	40.00	-18.69	QP	Hor
3*	165.800MHz	3.35	19.81	23.16	43.50	-20.34	QP	Hor
4*	447.221MHz	2.56	23.73	26.29	46.00	-19.71	QP	Hor
5*	721.125MHz	4.99	30.03	35.02	46.00	-10.98	QP	Hor
6*	984.601MHz	5.01	34.50	39.51	54.00	-14.49	QP	Hor

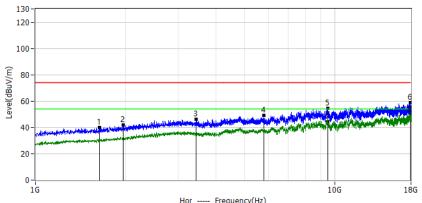


No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	Polar
140.	Периспеу	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	i olai
1*	41.519MHz	2.46	19.33	21.79	40.00	-18.21	QP	Ver
2*	170.771MHz	2.60	19.71	22.31	43.50	-21.19	QP	Ver
3*	333.853MHz	3.21	20.87	24.08	46.00	-21.92	QP	Ver
4*	437.521MHz	3.95	23.50	27.45	46.00	-18.55	QP	Ver
5*	687.539MHz	7.43	29.69	37.12	46.00	-8.88	QP	Ver
6*	971.264MHz	3.75	34.37	38.12	54.00	-15.88	QP	Ver

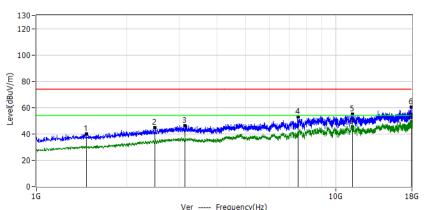


## Results of Radiated Emissions (Above 1000MHz)

Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.6°C
M/N: G+	Humidity: 44%RH
Test Voltage: Battery	Test Data: 2023-08-05
Test Mode: BLE 2M 2402	
Note:	



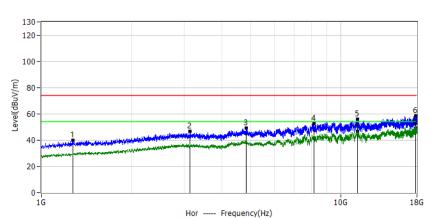
				Hor Frequency	(HZ)			
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.6332GHz	59.72	-19.86	39.86	74.00	-34.14	PK	Hor
2*	1.9647GHz	58.64	-16.59	42.05	74.00	-31.95	PK	Hor
3*	3.4352GHz	54.62	-8.48	46.14	74.00	-27.86	PK	Hor
4*	5.8131GHz	56.95	-7.61	49.34	74.00	-24.66	PK	Hor
5*	9.4702GHz	55.70	-1.17	54.53	74.00	-19.47	PK	Hor
6*	17.9405GHz	50.21	8.48	58.69	74.00	-15.31	PK	Hor
7*	9.4702GHz	45.67	-1.17	44.50	54.00	-9.50	AV	Hor
8*	17.9405GHz	41.22	8.48	49.70	54.00	-4.30	AV	Hor



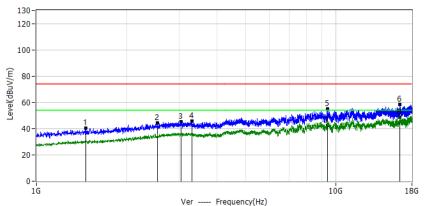
				ver Frequency	((12)			
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.4675GHz	60.84	-21.02	39.82	74.00	-34.18	PK	Ver
2*	2.4917GHz	55.95	-11.07	44.88	74.00	-29.12	PK	Ver
3*	3.1399GHz	54.76	-8.39	46.37	74.00	-27.63	PK	Ver
4*	7.4749GHz	57.21	-4.37	52.84	74.00	-21.16	PK	Ver
5*	11.4061GHz	53.32	1.87	55.19	74.00	-18.81	PK	Ver
6*	17.9405GHz	51.67	8.48	60.15	74.00	-13.85	PK	Ver
7*	11.4061GHz	43.43	1.87	45.30	54.00	-8.70	AV	Ver
8*	17.9405GHz	40.82	8.48	49.30	54.00	-4.70	AV	Ver



Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.6°C
M/N: G+	Humidity: 44%RH
Test Voltage: Battery	Test Data: 2023-08-05
Test Mode: BLE 2M 2440	
Note:	



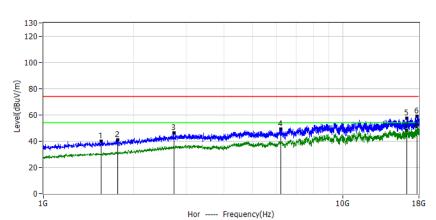
				fiel frequency	( ) · · · ·			
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.0700011-					-		Llar
	1.2720GHz	62.19	-22.40	39.79	74.00	-34.21	PK	Hor
2*	3.1399GHz	55.21	-8.39	46.82	74.00	-27.18	PK	Hor
3*	4.8292GHz	55.20	-6.01	49.19	74.00	-24.81	PK	Hor
4*	8.1357GHz	55.99	-3.62	52.37	74.00	-21.63	PK	Hor
5*	11.3955GHz	54.09	1.86	55.95	74.00	-18.05	PK	Hor
6*	17.8257GHz	49.93	8.40	58.33	74.00	-15.67	PK	Hor
7*	11.3955GHz	44.74	1.86	46.60	54.00	-7.40	AV	Hor
8*	17.8257GHz	40.90	8.40	49.30	54.00	-4.70	AV	Hor



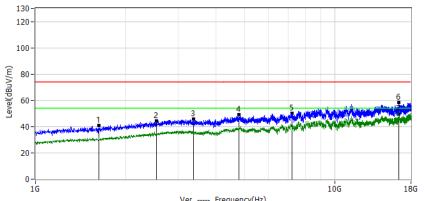
				ver rrequericy	()			
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	Polar
110.	rioquonoy	dBuV	dB/m	dBuV/m	dBuV/m	dB	Dotootol	i olai
1*	1.4632GHz	61.46	-21.04	40.42	74.00	-33.58	PK	Ver
2*	2.5385GHz	54.96	-10.78	44.18	74.00	-29.82	PK	Ver
3*	3.0464GHz	53.55	-8.36	45.19	74.00	-28.81	PK	Ver
4*	3.3162GHz	53.98	-8.44	45.54	74.00	-28.46	PK	Ver
5*	9.4044GHz	56.05	-1.17	54.88	74.00	-19.12	PK	Ver
6*	16.3765GHz	51.52	6.85	58.37	74.00	-15.63	PK	Ver
7*	9.4044GHz	43.47	-1.17	42.30	54.00	-11.70	AV	Ver
8*	16.3765GHz	41.65	6.85	48.50	54.00	-5.50	AV	Ver



Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.6°C
M/N: G+	Humidity: 44%RH
Test Voltage: Battery	Test Data: 2023-08-05
Test Mode: BLE 2M 2480	
Note:	



Frequency	Reading	Factor	Level	Limit	Margin	Detector	Polar
1.1.2.1.2.2.2.2.2	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1.5589GHz	60.47	-20.45	40.02	74.00	-33.98	PK	Hor
1.7671GHz	59.66	-18.57	41.09	74.00	-32.91	PK	Hor
2.7255GHz	56.09	-9.79	46.30	74.00	-27.70	PK	Hor
6.2062GHz	56.26	-7.14	49.12	74.00	-24.88	PK	Hor
16.3871GHz	50.69	6.86	57.55	74.00	-16.45	PK	Hor
17.7280GHz	50.77	8.33	59.10	74.00	-14.90	PK	Hor
16.3871GHz	41.34	6.86	48.20	54.00	-5.80	AV	Hor
17.7280GHz	39.27	8.33	47.60	54.00	-6.40	AV	Hor
	1.7671GHz 2.7255GHz 6.2062GHz 16.3871GHz 17.7280GHz 16.3871GHz	Frequency         dBuV           1.5589GHz         60.47           1.7671GHz         59.66           2.7255GHz         56.09           6.2062GHz         56.26           16.3871GHz         50.69           17.7280GHz         50.77           16.3871GHz         41.34	Frequency         dBuV         dB/m           1.5589GHz         60.47         -20.45           1.7671GHz         59.66         -18.57           2.7255GHz         56.09         -9.79           6.2062GHz         56.26         -7.14           16.3871GHz         50.69         6.86           17.7280GHz         50.77         8.33           16.3871GHz         41.34         6.86	FrequencydBuVdB/mdBuV/m1.5589GHz60.47-20.4540.021.7671GHz59.66-18.5741.092.7255GHz56.09-9.7946.306.2062GHz56.26-7.1449.1216.3871GHz50.696.8657.5517.7280GHz50.778.3359.1016.3871GHz41.346.8648.20	FrequencydBuVdBuVdBuV/mdBuV/m1.5589GHz60.47-20.4540.0274.001.7671GHz59.66-18.5741.0974.002.7255GHz56.09-9.7946.3074.006.2062GHz56.26-7.1449.1274.0016.3871GHz50.696.8657.5574.0017.7280GHz50.778.3359.1074.0016.3871GHz41.346.8648.2054.00	FrequencydBuVdB/mdBuV/mdBuV/mdB1.5589GHz60.47-20.4540.0274.00-33.981.7671GHz59.66-18.5741.0974.00-32.912.7255GHz56.09-9.7946.3074.00-27.706.2062GHz56.26-7.1449.1274.00-24.8816.3871GHz50.696.8657.5574.00-16.4517.7280GHz50.778.3359.1074.00-14.9016.3871GHz41.346.8648.2054.00-5.80	FrequencydBuVdB/mdBuV/mdBuV/mdBDetector1.5589GHz60.47-20.4540.0274.00-33.98PK1.7671GHz59.66-18.5741.0974.00-32.91PK2.7255GHz56.09-9.7946.3074.00-27.70PK6.2062GHz56.26-7.1449.1274.00-24.88PK16.3871GHz50.696.8657.5574.00-16.45PK17.7280GHz50.778.3359.1074.00-14.90PK16.3871GHz41.346.8648.2054.00-5.80AV



2*         2.5385GHz         55.28         -10.78         44.50         74.00         -29.50         PK         Ver           3*         3.3736GHz         54.37         -8.46         45.91         74.00         -28.09         PK         Ver           4*         4.7931GHz         55.03         -5.98         49.05         74.00         -24.95         PK         Ver           5*         7.1901GHz         55.40         -5.16         50.24         74.00         -23.76         PK         Ver					ver Frequency	(HZ)			
1*         1.6269GHz         60.85         -19.92         40.93         74.00         -33.07         PK         Ve           2*         2.5385GHz         55.28         -10.78         44.50         74.00         -29.50         PK         Ve           3*         3.3736GHz         54.37         -8.46         45.91         74.00         -28.09         PK         Ve           4*         4.7931GHz         55.03         -5.98         49.05         74.00         -23.76         PK         Ve           5*         7.1901GHz         55.40         -5.16         50.24         74.00         -23.76         PK         Ve	No	Frequency	Reading	Factor	Level	Limit	Margin	Detector	Polar
1         1.0269GH2         60.85         -19.92         40.93         74.00         -33.07         PK         Ver           2*         2.5385GHz         55.28         -10.78         44.50         74.00         -29.50         PK         Ver           3*         3.3736GHz         54.37         -8.46         45.91         74.00         -28.09         PK         Ver           4*         4.7931GHz         55.03         -5.98         49.05         74.00         -24.95         PK         Ver           5*         7.1901GHz         55.40         -5.16         50.24         74.00         -23.76         PK         Ver	INO.	Frequency	dBuV	dB/m	dBuV/m	dBuV/m	dB	Delector	Fulai
2         2.33836Hz         33.20         -10.70         44.30         74.00         -23.30         FR         Ve           3*         3.3736GHz         54.37         -8.46         45.91         74.00         -28.09         PK         Ve           4*         4.7931GHz         55.03         -5.98         49.05         74.00         -24.95         PK         Ve           5*         7.1901GHz         55.40         -5.16         50.24         74.00         -23.76         PK         Ve	1*	1.6269GHz	60.85	-19.92	40.93	74.00	-33.07	PK	Ver
4*         4.7931GHz         55.03         -5.98         49.05         74.00         -24.95         PK         Ve           5*         7.1901GHz         55.40         -5.16         50.24         74.00         -23.76         PK         Ve	2*	2.5385GHz	55.28	-10.78	44.50	74.00	-29.50	PK	Ver
5* 7.1901GHz 55.40 -5.16 50.24 74.00 -23.76 PK Ve	3*	3.3736GHz	54.37	-8.46	45.91	74.00	-28.09	PK	Ver
	4*	4.7931GHz	55.03	-5.98	49.05	74.00	-24.95	PK	Ver
6* 16.3722GHz 51.49 6.84 58.33 74.00 -15.67 PK Ve	5*	7.1901GHz	55.40	-5.16	50.24	74.00	-23.76	PK	Ver
	6*	16.3722GHz	51.49	6.84	58.33	74.00	-15.67	PK	Ver
7* 16.3722GHz 43.06 6.84 49.90 54.00 -4.10 AV Ve	7*	16.3722GHz	43.06	6.84	49.90	54.00	-4.10	AV	Ver

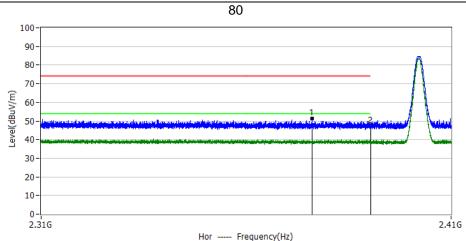
Remark:

In frequency ranges 18~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.

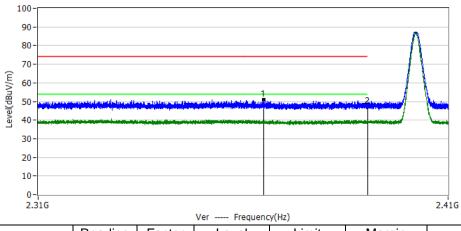


## 4.7 TEST RESULTS (BAND EDGE REQUIREMENTS)

Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.6°C
M/N: G+	Humidity: 44%RH
Test Voltage: Battery	Test Data: 2023-08-05
Test Mode: BLE 2M 2402	
Note:	



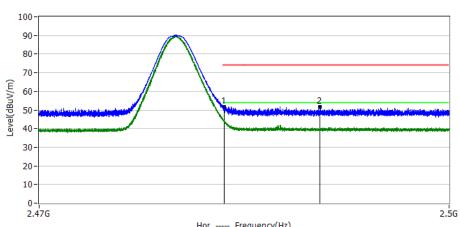
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2.3756GHz	17.17	33.99	51.16	74.00	-22.84	PK	Hor
2*	2.3900GHz	13.15	33.95	47.10	74.00	-26.90	PK	Hor



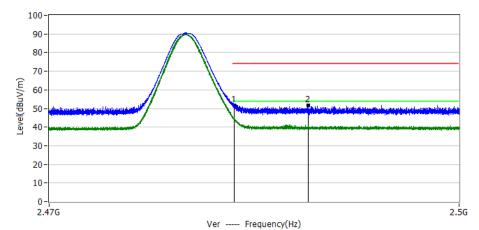
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2.3645GHz	16.85	34.01	50.86	74.00	-23.14	PK	Ver
2*	2.3900GHz	13.25	33.95	47.20	74.00	-26.80	PK	Ver



Project: LGT23G064	Test Engineer: LiuH
EUT: Smart GPS Cycling Computer	Temperature: 27.6°C
M/N: G+	Humidity: 44%RH
Test Voltage: Battery	Test Data: 2023-08-05
Test Mode: BLE 2M 2480	
Note:	



	Hor Frequency(Hz)							
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2.4835GHz	17.57	34.13	51.70	74.00	-22.30	PK	Hor
2*	2.4905GHz	17.57	34.14	51.71	74.00	-22.29	PK	Hor



No	. Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2.4835GHz	17.57	34.13	51.70	74.00	-22.30	PK	Ver
2*	2.4889GHz	17.48	34.14	51.62	74.00	-22.38	PK	Ver



## 5. CONDUCTED SPURIOUS & BAND EDGE EMISSION

#### 5.1 LIMIT

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

#### 5.2 TEST PROCEDURE

Spectrum Parameter	Setting		
Detector	Peak		
Start/Stop Frequency	30 MHz to 10th carrier harmonic		
RB / VB (emission in restricted band)	100 KHz/300 KHz		
Trace-Mode:	Max hold		

For Band edge

Spectrum Parameter	Setting		
Detector	Peak		
Stort/Stop Fraguency	Lower Band Edge: 2300 – 2407 MHz		
Start/Stop Frequency	Upper Band Edge: 2475 – 2500 MHz		
RB / VB (emission in restricted band)	100 KHz/300 KHz		
Trace-Mode:	Max hold		

5.3 TEST SETUP



The EUT which is powered by the \${ POWER BY}, is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth(RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

5.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

5.5 TEST RESULTS

For the measurement records, refer to the appendix I.



## 6. POWER SPECTRAL DENSITY TEST

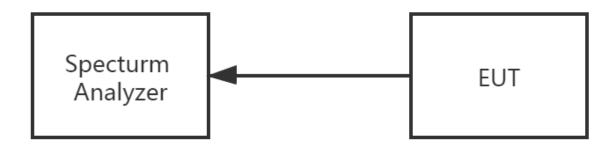
#### 6.1 LIMIT

FCC Part 15.247, Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(e)	Power Spectral Density	≤8 dBm (RBW≥3KHz)	2400-2483.5	PASS		

#### 6.2 TEST PROCEDURE

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS channel bandwidth.
- 3. Set the RBW to: 100 kHz  $\ge$  RBW  $\ge$  3 kHz.
- 4. Set the VBW  $\ge$  3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### 6.3 TEST SETUP



## 6.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

#### 6.5 TEST RESULTS

For the measurement records , refer to the appendix I.



## 7. BANDWIDTH TEST

## 7.1 LIMIT

FCC Part 15.247, Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS		

## 7.2 TEST PROCEDURE

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW $\geq$ 3RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be $\geq$ 6 dB.

## 7.3 TEST SETUP



## 7.4 EUT OPERATION CONDITIONS Please refer to section 3.4 of this report.

## 7.5 TEST RESULTS

For the measurement records, refer to the appendix I.



## 8. PEAK OUTPUT POWER TEST

#### 8.1 LIMIT

FCC Part 15.247, Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS		

#### 8.2 TEST PROCEDURE

One of the following procedures may be used to determine the maximum peak conducted output power of a DTS EUT.

 $RBW \ge DTS$  bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

a) Set the RBW  $\geq$  DTS bandwidth.

b) Set VBW  $\geq$  [3  $\times$  RBW].

c) Set span  $\geq$  [3  $\times$  RBW].

d) Sweep time = auto couple.

e) Detector = peak.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use peak marker function to determine the peak amplitude level.

Integrated band power method:

The following procedure can be used when the maximum available RBW of the instrument is less than the

DTS bandwidth:

a) Set the RBW = 1 MHz.

b) Set the VBW  $\geq$  [3  $\times$  RBW].

c) Set the span  $\geq$  [1.5 × DTS bandwidth].

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

PKPM1 Peak power meter method:

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

8.3 TEST SETUP

EUT	Power
	Sensor

8.4 EUT OPERATION CONDITIONS

Please refer to section 3.4 of this report.

#### 8.5 TEST RESULTS

For the measurement records , refer to the appendix I.



## 9. ANTENNA REQUIREMENT

#### 9.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

## 9.2 EUT ANTENNA

The EUT antenna is PCB Antenna. It comply with the standard requirement.

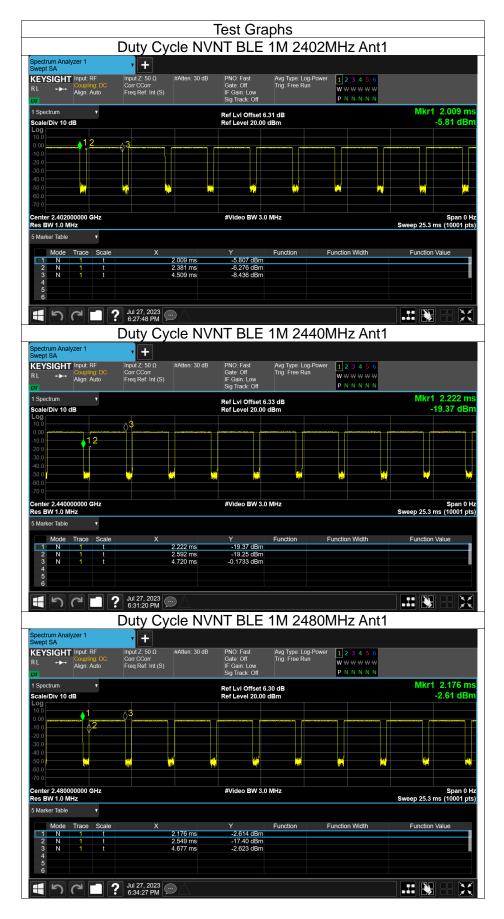


# **APPENDIX I: TEST RESULTS**

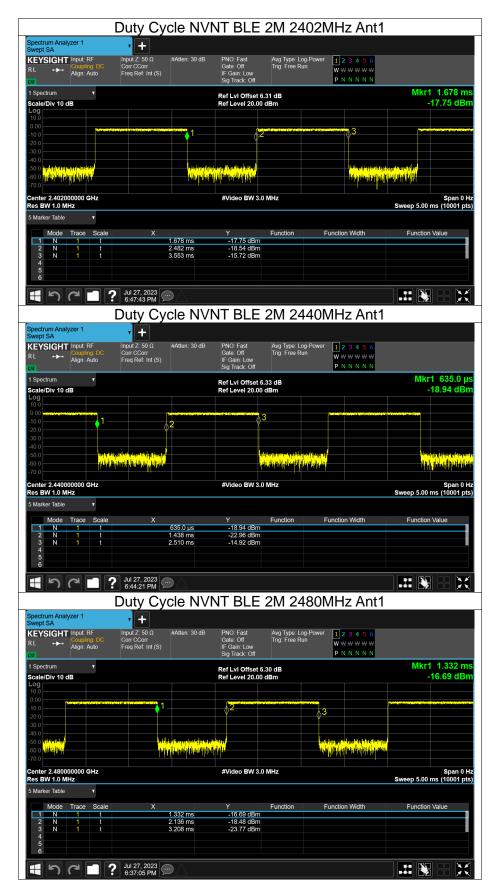
## Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.11	0.7	0.47
NVNT	BLE 1M	2440	Ant1	85.19	0.7	0.47
NVNT	BLE 1M	2480	Ant1	85.11	0.7	0.47
NVNT	BLE 2M	2402	Ant1	57.15	2.43	0.93
NVNT	BLE 2M	2440	Ant1	57.17	2.43	0.93
NVNT	BLE 2M	2480	Ant1	57.16	2.43	0.93











Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.13	30	Pass
NVNT	BLE 1M	2440	Ant1	0.95	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.52	30	Pass
NVNT	BLE 2M	2402	Ant1	-2.23	30	Pass
NVNT	BLE 2M	2440	Ant1	0.81	30	Pass
NVNT	BLE 2M	2480	Ant1	-1.56	30	Pass



## -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.641	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.668	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.67	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.144	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.135	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.148	0.5	Pass







-6dB Bandwidth N	IVNT BLE 2	A 2402MH	z Ant1
Spectrum Analyzer 1 Occupied BW			
KEYSIGHT         Input: RF         Input Z: 50 Ω         Atten: 30 dB           RL         Align: Auto         Corr Ccorr         Freq Ref: Int (S)	Trig: Free Run Center Fr Gate: Off Avg Hold #IF Gain: Low Radio Sta	req: 2.402000000 GHz : 100/100 d: None	
1 Graph v Scale/Div 10.0 dB	Ref Lvi Offset 6.31 dB Ref Value 26.31 dBm		Mkr3 2.402568000 GHz -8.63 dBm
Log 16.3 6.31 -3.69 	1		3
-13.7 -23.7 -33.7	and the second	MWn	
-33.7 			
Center 2.402000 GHz #Res BW 100.00 kHz	#Video BW 300.00 kHz		Span 2 MHz Sweep 1.33 ms (10001 pts)
2 Metrics v		Measure Trace	Trace 1
Occupied Bandwidth 1.8643 MHz		Total Power	3.71 dBm
Transmit Freq Error     -4.098 kHz       x dB Bandwidth     1.144 MHz		% of OBW Power x dB	99.00 % -6.00 dB
■ <a>C</a> <a>Jul 27, 2023</a> <a>D</a> <a>Jul 27, 2023</a> <a>D</a> <a>D&lt;</a>			
-6dB Bandwidth N	IVNT BLE 2	/ 2440MH	z Ant1
Coccupied BW KEYSIGHT Input: RF Input: Z: 50 Ω Atten: 30 dB	Trig: Free Run Center Fr	req: 2.440000000 GHz	
RL + Coupling: DC Align: Auto VV	Gate: Off Avg Hold #IF Gain: Low Radio Sto	: 100/100 d: None	
1 Graph v Scale/Div 10.0 dB	Ref LvI Offset 6.33 dB Ref Value 26.33 dBm		Mkr3 2.440557000 GHz -6.48 dBm
16.3 6.33 -3.67			
-13.7			
-43.7 -53.7 -63.7			
Center 2.440000 GHz #Res BW 100.00 kHz	#Video BW 300.00 kHz		Span 2 MHz Sweep 1.33 ms (10001 pts)
2 Metrics v		Measure Trace	Trace 1
Occupied Bandwidth 1.8690 MHz Transmit Freq Error -10.565 kHz		Total Power % of OBW Power	6.70 dBm 99.00 %
x dB Bandwidth 1.135 MHz		x dB	-6.00 dB
<b>リロア</b> Jul 27, 2023 6:45:39 PM			
-6dB Bandwidth N	IVNT BLE 2	И 2480MH	z Ant1
Occupied BW         T           KEYSIGHT         Input: RF         Input Z: 50 Ω         Atten: 30 dB           Du         Coupling: DC         Corr CCorr         Atten: 30 dB	Trig: Free Run Center Fr Gate: Off Avg Hold	req: 2.480000000 GHz : 100/100	
RL + Align: Auto Freq Ref: Int (S)	#IF Gain: Low Radio Sto	d: None	Mkr3 2.480566000 GHz
Scale/Div 10.0 dB	Ref LvI Offset 6.30 dB Ref Value 26.30 dBm		-11.01 dBm
6.30 -3.70 -13.7	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~ <u>3</u>
-13.7 -23.7 -33.7 -43.7			
-53.7 -63.7			
Center 2.480000 GHz #Res BW 100.00 kHz 2 Metrics v	#Video BW 300.00 kHz		Span 2 MHz Sweep 1.33 ms (10001 pts)
Occupied Bandwidth		Measure Trace	Trace 1
1.8642 MHz Transmit Freq Error -7.916 kHz		Total Power % of OBW Power	4.25 dBm 99.00 %
x dB Bandwidth 1.148 MHz		x dB	-6.00 dB
■ <b>1 1 1 2</b> Jul 27, 2023 6:38:35 PM			



## Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.04
NVNT	BLE 1M	2440	Ant1	1.047
NVNT	BLE 1M	2480	Ant1	1.044
NVNT	BLE 2M	2402	Ant1	2.076
NVNT	BLE 2M	2440	Ant1	2.086
NVNT	BLE 2M	2480	Ant1	2.084









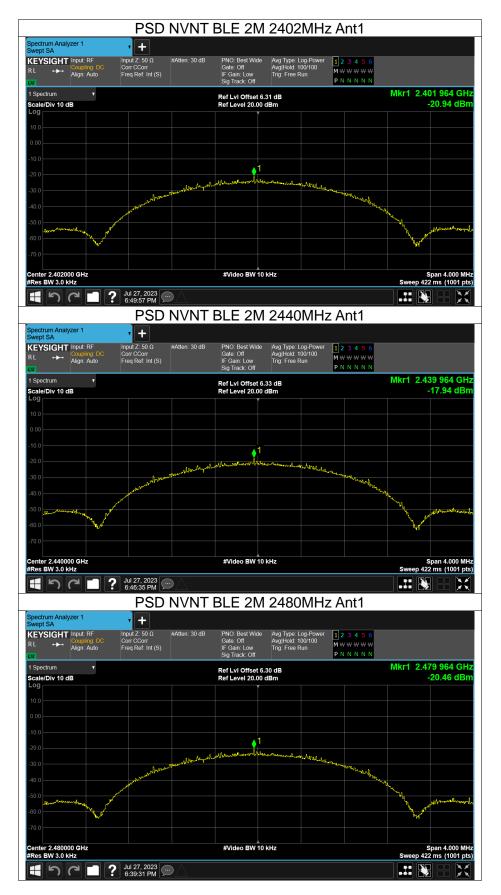


Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-18.51	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.38	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.88	8	Pass
NVNT	BLE 2M	2402	Ant1	-20.94	8	Pass
NVNT	BLE 2M	2440	Ant1	-17.94	8	Pass
NVNT	BLE 2M	2480	Ant1	-20.46	8	Pass







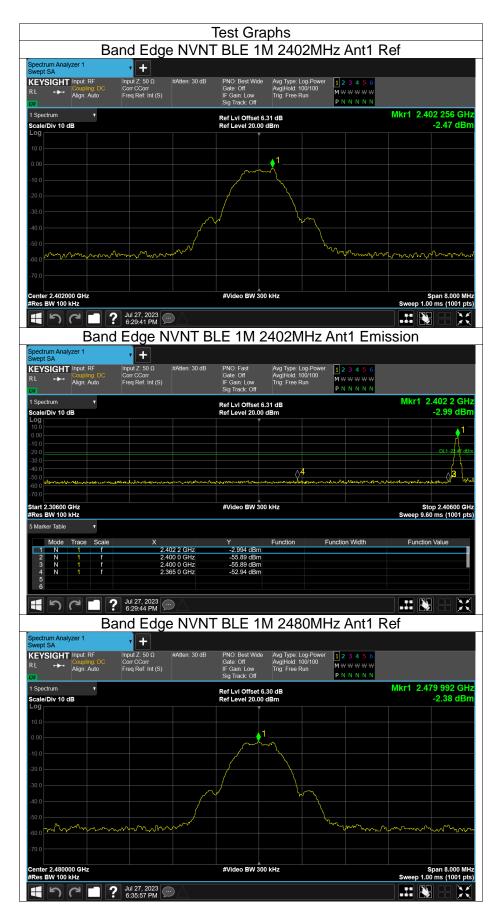




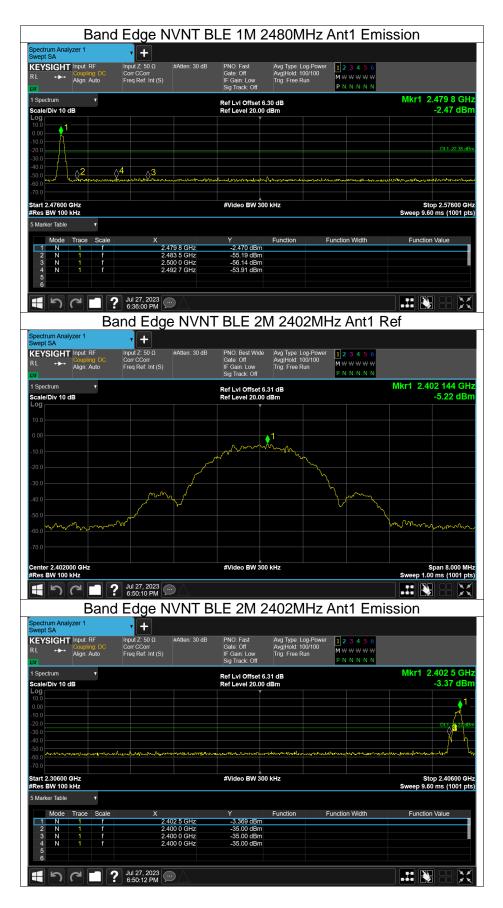
## Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-50.47	-20	Pass
NVNT	BLE 1M	2480	Ant1	-51.53	-20	Pass
NVNT	BLE 2M	2402	Ant1	-29.77	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.44	-20	Pass

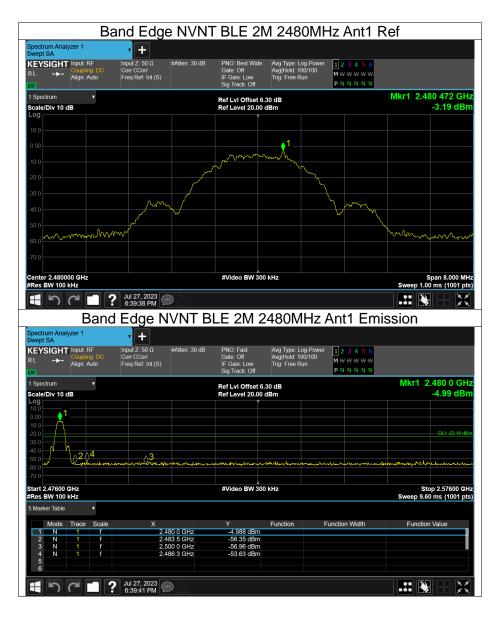










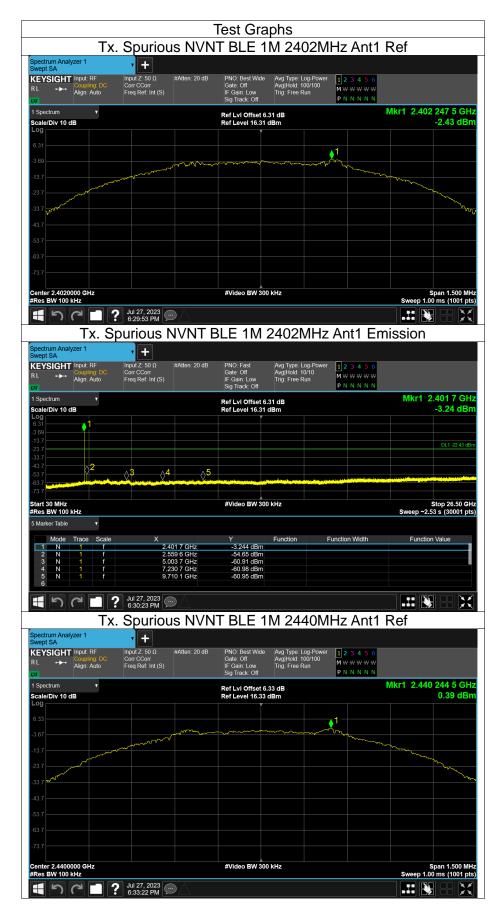




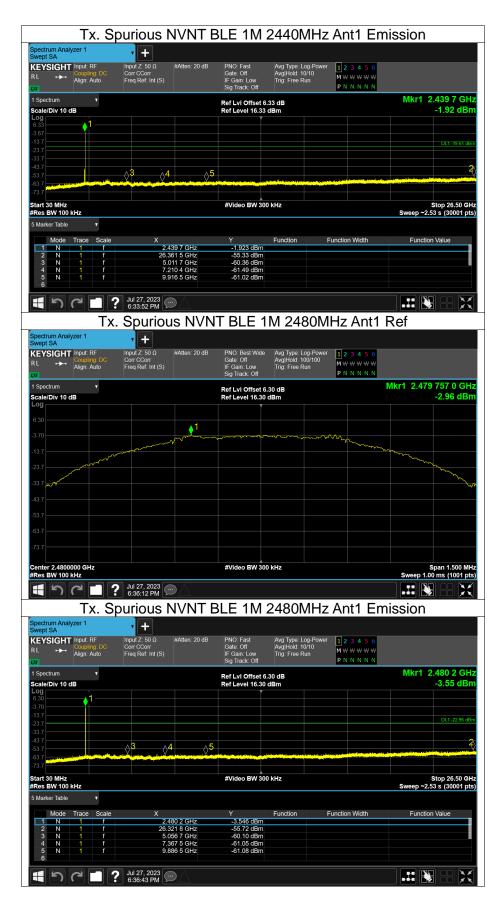
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-52.21	-20	Pass
NVNT	BLE 1M	2440	Ant1	-55.72	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.75	-20	Pass
NVNT	BLE 2M	2402	Ant1	-51.69	-20	Pass
NVNT	BLE 2M	2440	Ant1	-54.14	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.77	-20	Pass





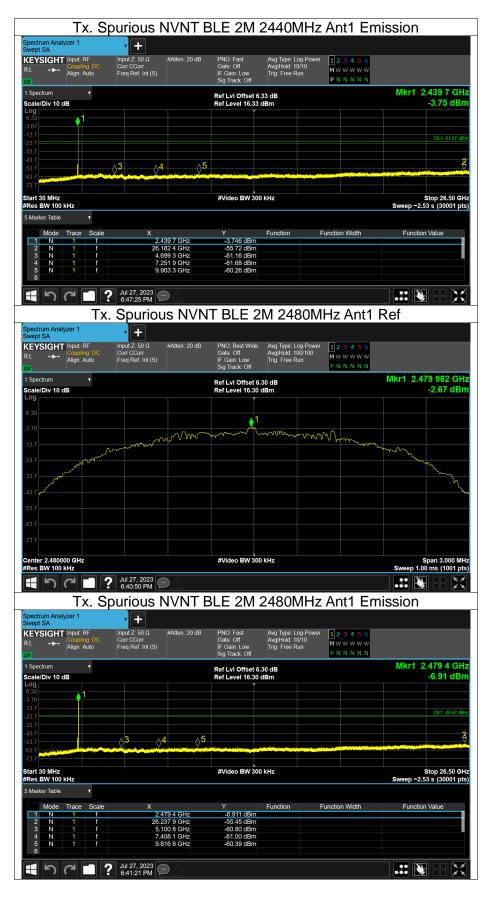












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