

Global United Technology Services Co., Ltd.

Report No.: GTS201911000111F01

TEST REPORT

Applicant: Shenzhen Hysiry Technology Co., Ltd.

Address of Applicant: 2403D, 24th floor, coast huanging building, no.24 futian road,

xu town community, futian street, futian district, shenzhen

Manufacturer/Factory: Shenzhen Hysiry Technology Co., Ltd.

Address of 2403D, 24th floor, coast huanging building, no.24 futian road, xu town community, futian street, futian district, shenzhen Manufacturer/Factory:

Equipment Under Test (EUT)

Product Name: Bluetooth remote control

Model No.: BR₁

Trade Mark: HUSIRU

仁思锐

FCC ID: 2AKBP-BR1

FCC CFR Title 47 Part 15 Subpart C Section 15.247 **Applicable standards:**

Date of sample receipt: 2019-10-24

Date of Test: 2019-10-24 to 2019-11-2

Date of report issued: 2019-11-20

PASS * Test Result:

Authorized Signature:

Laboratory Manager

This 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.

^{*} In the configuration tested, the EUT complied with the standards specified above.



2 Version

Version No.	Date	Description
00	2019-11-20	Original

Prepared By:	Joseph Cly	Date:	2019-11-20
	Project Engineer	_	
Check By:	Reviewer	Date:	2019-11-20



3 Contents

			Page
1	CO	/ER PAGE	1
2	VEF	RSION	2
3	COI	NTENTS	3
4	TES	ST SUMMARY	4
5	GEN	NERAL INFORMATION	5
	5.1	GENERAL DESCRIPTION OF EUT	5
	5.2	TEST MODE	
	5.3	DESCRIPTION OF SUPPORT UNITS	
	5.4	DEVIATION FROM STANDARDS	
	5.5	ABNORMALITIES FROM STANDARD CONDITIONS	
	5.6	TEST FACILITY	
	5.7	TEST LOCATION	7
6	TES	T INSTRUMENTS LIST	8
7	TES	T RESULTS AND MEASUREMENT DATA	10
	7.1	ANTENNA REQUIREMENT	10
	7.2	CONDUCTED OUTPUT POWER	11
	7.3	CHANNEL BANDWIDTH	
	7.4	Power Spectral Density	
	7.5	BAND EDGES	
	7.5.		
	7.5.		
	7.6	Spurious Emission	
	7.6.	1 Conducted Emission Method	26
8	TES	ST SETUP PHOTO	29
9	EUT	CONSTRUCTIONAL DETAILS	29



4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	N/A
Conducted Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Remarks:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. Test according to ANSI C63.10:2013

Measurement Uncertainty

·					
Test Item	Frequency Range	Measurement Uncertainty	Notes		
Radiated Emission	30MHz-200MHz	3.8039dB	(1)		
Radiated Emission	200MHz-1GHz	3.9679dB	(1)		
Radiated Emission	1GHz-18GHz	4.29dB	(1)		
Radiated Emission	18GHz-40GHz	3.30dB	(1)		
AC Power Line Conducted Emission 0.15MHz ~ 30MHz 3.44dB (1)					
Note (1): The measurement unce	ertainty is for coverage factor of I	c=2 and a level of confidence of s	95%.		



5 General Information

5.1 General Description of EUT

Product Name:	Bluetooth remote control
Model No.:	BR1
Test sample(s) ID:	GTS201911000111-1
Sample(s) Status:	Engineer sample
Serial No.:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40
Bluetooth version:	Bluetooth 5.0
RF Output Power:	BLE 1M:-9.51dBm
Ki Odiput Fower.	BLE 2M:-9.48dBm
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	1.7dBi
Power Supply:	Input: DC 3V for button battery



Operation F	Operation Frequency each of channel						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2422 MHz	21	2442 MHz	31	2462 MHz
2	2404 MHz	12	2424 MHz	22	2444 MHz	32	2464 MHz
3	2406 MHz	13	2426 MHz	23	2446 MHz	33	2466 MHz
4	2408 MHz	14	2428 MHz	24	2448 MHz	34	2468 MHz
5	2410 MHz	15	2430 MHz	25	2450 MHz	35	2470 MHz
6	2412 MHz	16	2432 MHz	26	2452 MHz	36	2472 MHz
7	2414 MHz	17	2434 MHz	27	2454 MHz	37	2474 MHz
8	2416 MHz	18	2436 MHz	28	2456 MHz	38	2476 MHz
9	2418 MHz	19	2438 MHz	29	2458 MHz	39	2478 MHz
10	2420 MHz	20	2440 MHz	30	2460 MHz	40	2480 MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2442MHz
The Highest channel	2480MHz



5.2 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

5.3 Description of Support Units

None.

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

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

• FCC —Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

• IC —Registration No.: 9079A

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

• NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960



6 Test Instruments list

Radi	Radiated Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 19 2019	Oct. 18 2020
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 19 2019	Oct. 18 2020
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 19 2019	Oct. 18 2020
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020

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RF C	RF Conducted Test:					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 26 2019	June. 25 2020
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 26 2019	June. 25 2020
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 26 2019	June. 25 2020
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 26 2019	June. 25 2020
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 26 2019	June. 25 2020
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 26 2019	June. 25 2020
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 26 2019	June. 25 2020

Gene	General used equipment:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

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(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The antennas are PCB antenna, the best case gain of the antennas are 1.7dBi, reference to the appendix II for details



7.2 Conducted Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)		
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02		
Limit:	30dBm		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

Measurement Data

Test Mode	Test channel	Peak Output Power (dBm)	Limit(dBm)	Result		
	Lowest	-10.755				
BLE 1M	Middle	-9.975		Pass		
	Highest	-9.511	20.00			
	Lowest	-10.709	30.00			
BLE 2M	Middle	-9.937				
	Highest	-9.477				



7.3 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02
Limit:	>500KHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

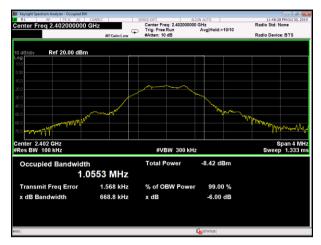
Measurement Data

Test Mode	Test channel	6dB Bandwidth	99% Bandwidth	Limit(KHz)	Dooult	
		(MHz)	(MHz) (MHz)		Result	
	Lowest	0.669	1.055			
BLE 1M	Middle	0.661	1.054			
	Highest	0.661	1.054	. 500	Door	
	Lowest	1.118	2.069	>500	Pass	
BLE 2M	Middle	1.113	2.065			
	Highest	1.136	2.068			

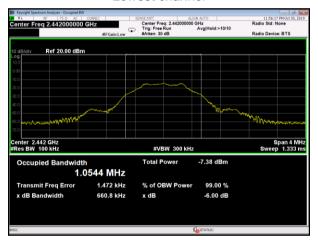


Test plot as follows: BLE 1M:

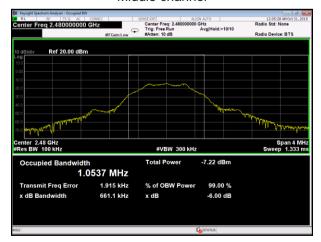
Report No.: GTS201911000111F01



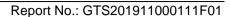
Lowest channel



Middle channel

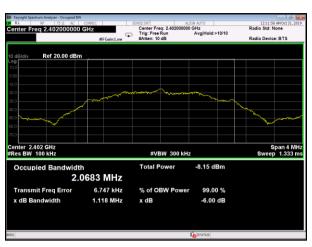


Highest channel





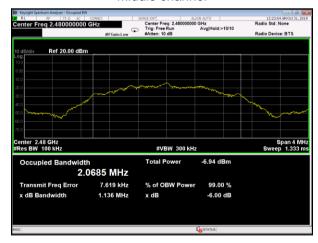
BLE 2M:



Lowest channel



Middle channel



Highest channel



7.4 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02
Limit:	8dBm/3kHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

Test Mode	Test channel	Power Spectral Density (dBm/3kHz)	Limit(dBm/3kHz)	Result	
	Lowest	-23.265			
BLE 1M	Middle	-22.519			
	Highest	-22.049	8.00	Daga	
	Lowest	-27.473	0.00	Pass	
BLE 2M	Middle	-26.752			
	Highest	-26.401			



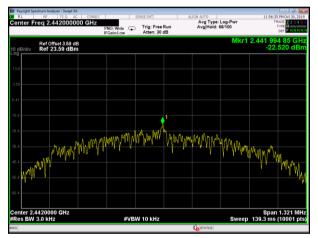
Test plot as follows:

BLE 1M:

Report No.: GTS201911000111F01



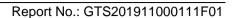
Lowest channel



Middle channel

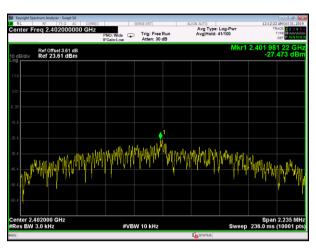


Highest channel

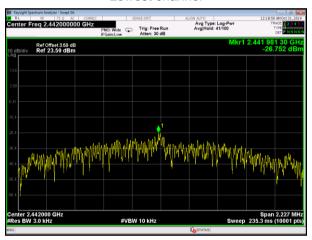




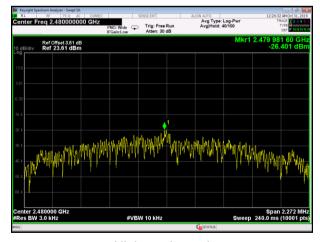
BLE 2M:



Lowest channel



Middle channel



Highest channel

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7.5 Band edges

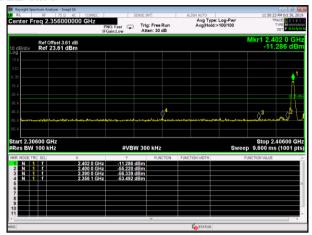
7.5.1 Conducted Emission Method

Total Day Surveyor	500 Perist 0.0 centre 45.047 (1)			
Test Requirement:	FCC Part15 C Section 15.247 (d)			
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02			
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.			
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.2 for details			
Test results:	Pass			



Test plot as follows:

BLE 1M:



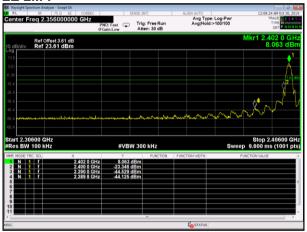
Lowest channel

| Service Section Incompare - Normal Section | Section |

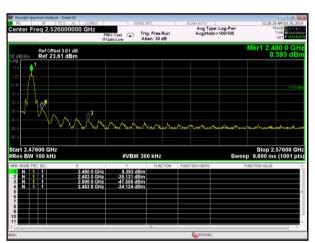
Report No.: GTS201911000111F01

Highest channel

BLE 2M:



Lowest channel



Highest channel

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7.5.2 Radiated Emission Method

Test Requirement:	FCC Part15 C S	Section 15.209	and 15.205			
Test Method:	ANSI C63.10:20	013				
Test Frequency Range:	All of the restrict 2500MHz) data		ested, only	the worst b	and's (2310MHz to	
Test site:	Measurement D					
Receiver setup:	Frequency Detector RBW VBW Valu					
·		Peak	1MHz	3MHz	Peak	
	Above 1GHz	RMS	1MHz	3MHz	Average	
Limit:	Freque	ency	Limit (dBuV	/m @3m)	Value	
	Above 1	GH ₇	54.0	0	Average	
	Above	GHZ	74.0	0	Peak	
Test setup:	Tum Table < 150cm > .	< 3m	Test Antenna	1		
Test Procedure:	the ground a determine the 2. The EUT was antenna, whis tower. 3. The antenna ground to de horizontal an measuremer. 4. For each sussand then the and the rotathe maximum. 5. The test-recesspecified Ba. 6. If the emission the limit specified Ba. 6. If the emission of the EUT with have 10dB mis peak or averse sheet. 7. The radiation And found the second	t a 3 meter can e position of the s set 3 meters a ch was mounte height is varied termine the ma d vertical polar at. spected emissic antenna was turned reading. eiver system wa andwidth with M on level of the E cified, then testi yould be reporte hargin would be age method as	nber. The tale highest race way from the ed on the top of from one maximum value izations of the ed. The ed of the ed. Otherwise re-tested of specified ar sare performance to heigh a sare performance which is a sare performance to high ed.	ble was rotadiation. The interference of a variable meter to four the field the antenna and the from 1 magrees to 360 and Detect Full Mode. The mode was a stopped and the emission one und then reported in X, Y, it is worse care in the emission of the first worse care the emission of the first worse care the emission of the first worse care in X, Y, it is worse care in the emission of the first worse care in X, Y, it is worse care in X, Y, it is worse care in the emission of the first worse care in X, Y, it is worse care in the emission of the first worse care in the first worse wor	remeters above the strength. Both are set to make the ed to its worst case neter to 4 meters of degrees to find unction and 10dB lower than d the peak values ions that did not sing peak, quasi-	
Test Instruments:	Refer to section					
Test mode:	Refer to section	5.2 for details				
Test results:	Pass					



Measurement Data

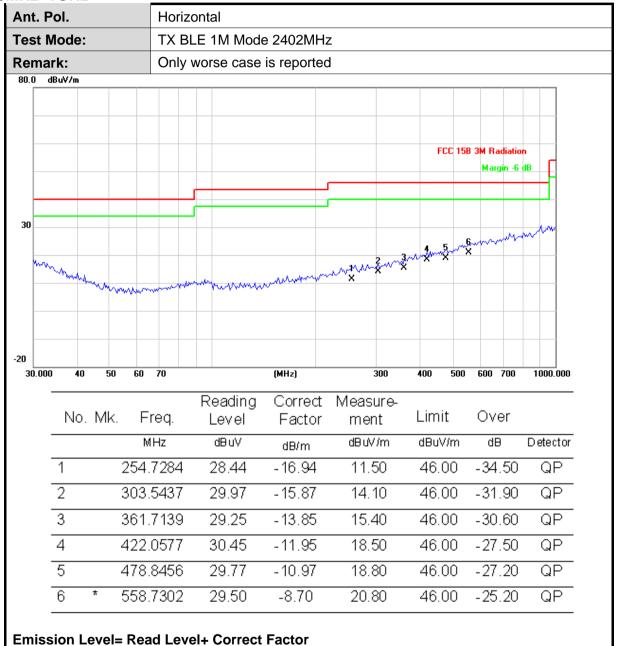
Report No.: GTS201911000111F01

9KHz~30MHz

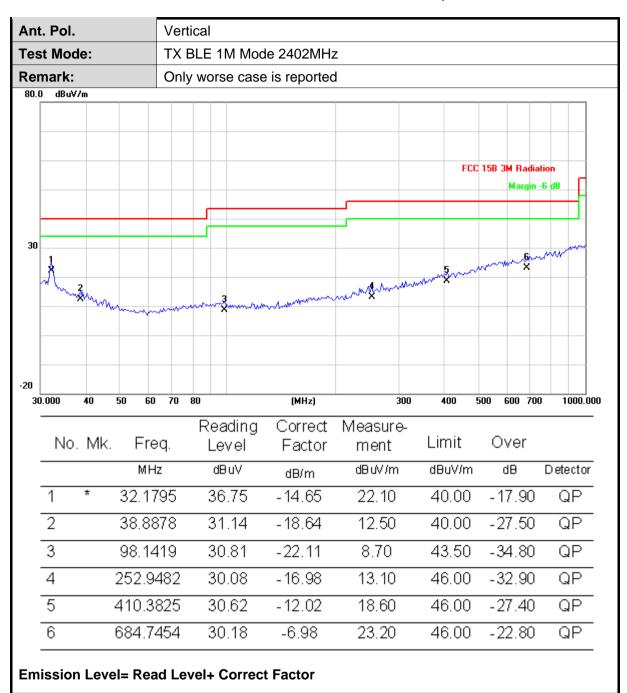
From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

30MHz~1GHz









Above 1G

Report No.: GTS201911000111F01

:	• • •										
I	Ant	. Pol.			Horiz	zontal					
	Tes	t Mod	le:		TX E	BLE 1M Mod	e 2402MHz	7			
		No.	M	k. Fre	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
				MH	lz	dBu∀	dB/m	dB uV/m	dBuV/m	dΒ	Detector
		1	*	4803.	712	28.31	12.42	40.73	54.00	-13.27	AVG
		2		4803.	820	42.00	12.42	54.42	74.00	-19.58	peak
1								•			

An	t. Pol			Ver	tical						
Tes	st Mo	de:		TX	TX BLE 1M Mode 2402MHz						
	No	o. Ml	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
				MHz	dBu∀	dB/m	dB uV/m	dBuV/m	dΒ	Detector	
	1		4	804.096	40.53	12.42	52.95	74.00	-21.05	peak	
	2	*	4	804.168	28.22	12.42	40.64	54.00	-13.36	AVG	

An	t. Pol.			Horiz	zontal						
Te	st Mod	le:		TX E	TX BLE 1M Mode 2442MHz						
	No	. Mk	Fre	q.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MH	Z	dBu∀	dB/m	dB dV/m	dBuV/m	dΒ	Detector	
	1	*	4882.	722	28.14	12.90	41.04	54.00	-12.96	AVG	
	2		4883.	736	42.61	12.90	55.51	74.00	- 18.49	peak	

Ant	t. Pol			\	Verti	cal					
Tes	st Mo	de:		-	TX BLE 1M Mode 2442MHz						
,	No). N	1k.	Freq		Reading Level	Correct Factor	Measure- ment	Limit	Over	
				MHz		dBuV	dB/m	dBuV/m	dBuV/m	dΒ	Detector
	1	*		4882.51	18	28.11	12.90	41.01	54.00	-12.99	AVG
	2			4882.56	30	42.08	12.90	54.98	74.00	-19.02	peak



An	t. Pol.			Н	Horizontal						
Tes	st Mo	de:		Т	TX BLE 1M Mode 2480MHz						
	No	. M	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
				MHz	dBuV	dB/m	dBuV/m	dBuV/m	dΒ	Detector	
	1		4	1960.69	6 41.58	13.38	54.96	74.00	-19.04	peak	
	2	*	4	960.90	6 27.98	13.38	41.36	54.00	-12.64	AVG	

Ant. Pol.				Verti	ical					
Tes	est Mode:			TX E	TX BLE 1M Mode 2480MHz					
	No. Mk.		. Fre	q.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MH	Z	dBuV	dB/m	dBuV/m	dBuV/m	dΒ	Detector
•	1	*	4960.0	606	27.99	13.38	41.37	54.00	-12.63	AVG
	2 496		4961.	122	41.44	13.38	54.82	74.00	-19.18	peak

Aı	nt. Pol			Hori	zontal						
Te	Test Mode:				TX BLE 2M Mode 2402MHz						
		No. Mk.		No. Mk.		∍q.	Reading Level			Over	
			MH	łz	dBuV	dB/m	dBuV/m	dBuV/m	dΒ	Detector	
	1		4802.		41.84	12.41	54.25	74.00	-19.75	peak	
	2	2 * 4804.		762	27.94	12.43	40.37	54.00	-13.63	AVG	

An	t. Pol			Vert	ical					
Tes	st Mo	de:		TX E	BLE 2M Mod	e 2402MH:	Z			
				Reading	Correct	Measure-				
	No	No. Mk. Fi		eq.	Level	Factor	ment	Limit	Over	
			MH	lz	dBuV	dB/m	dB uV/m	dBuV/m	dΒ	Detector
	1		4803.	700	42.06	12.42	54.48	74.00	-19.52	peak
	2	*	4804.	408	27.98	12.42	40.40	54.00	-13.60	AVG
					-	-	-			



								report is	0 01020	13110001
Ant. Pol. Test Mode:				Hor	rizontal					
				TX	BLE 2M Mod	le 2442MH:				
	-No	No. Mk.		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
				MHz	dBuV	dB/m	dBuV/m	dBuV/m	dΒ	Detector
	1		48	83.328	42.19	12.90	55.09	74.00	-18.91	peak
	2	*	48	85.368	27.99	12.92	40.91	54.00	-13.09	AVG

Ant	. Pol.		Vert	ical					
Tes	t Mod	e:	TX	TX BLE 2M Mode 2442MHz					
	No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dΒ	Detector
	1	*	4882.500	28.19	12.90	41.09	54.00	-12.91	AVG
	2	4884.		42.09	12.92	55.01	74.00	-18.99	peak

Aı	nt. Pol.			Hori	zontal					
Te	Test Mode:			TX E	TX BLE 2M Mode 2480MHz					
	No	No. Mk. F		∍q.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MH	łz	dBu∀	dB/m	dB úV/m	dBuV/m	dΒ	Detector
	1	*	4961.	296	41.80	13.38	55.18	74.00	-18.82	peak
	2	2 4961.		458	27.92	13.39	41.31	74.00	-32.69	peak

Ant	Ant. Pol.				ical					
Tes	Test Mode:				BLE 2M Mod	e 2480MHz	2			
,	No	. Mk	Mk. Fre		Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MH	łz	dBu∀	dB/m	dBuV/m	dBuV/m	dΒ	Detector
,	1		4960.	258	42.27	13.37	55.64	74.00	-18.36	peak
	2	* 4961.		284	27.93	13.38	41.31	54.00	-12.69	AVG

Remark:

- 1.No report for the emission which more than 10 dB below the prescribed limit.
- 2.Emission Level= Read Level+ Correct Factor



7.6 Spurious Emission

7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.2 for details				
Test results:	Pass				

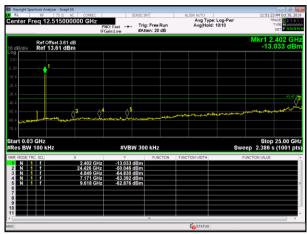


Test plot as follows:

BLE 1M:

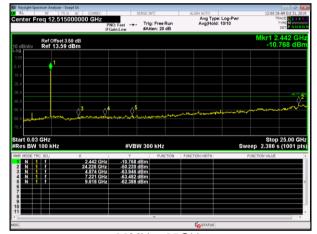
Lowest channel

Report No.: GTS201911000111F01



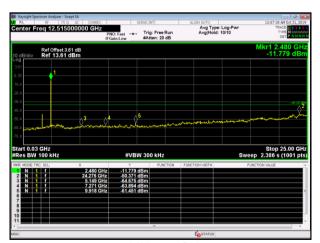
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel



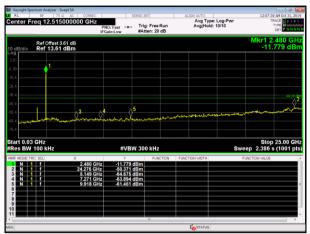
30MHz~25GHz



BLE 2M:

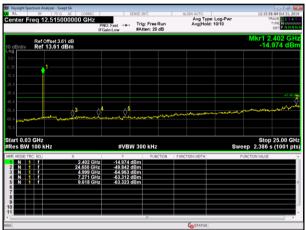
Lowest channel

Report No.: GTS201911000111F01



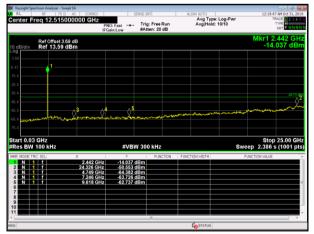
30MHz~25GHz

Middle channel



Highest channel

30MHz~25GHz



30MHz~25GHz



8 Test Setup Photo

Reference to the appendix I for details.

9 EUT Constructional Details

Reference to the appendix II for details.

-----End-----