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Report Template Version: V05
Report Template Revision Date: 2021-11-03

Test Report

Report No.: CQASZ20220300484E-01

Applicant: Shenzhen Inkbird Technology Co., Ltd.

Address of Applicant: Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community,

Liantang, Luohu District, Shenzhen, China

Equipment Under Test (EUT):

Product: Smoker Controller

Model No.: ISC-007BW, ISC-008BW, ISC-027BW

Test Model No.: ISC-007BW

Brand Name: INKBIRD

FCC ID: 2AYZD-ISC007BW

Standards: 47 CFR Part 15, Subpart C

Date of Receipt: 2022-03-31

Date of Test: 2022-03-31 to 2022-04-02

Date of Issue: 2022-04-07
Test Result: PASS*

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

Tested By:

(Lewis Zhou)

Reviewed By:

(Rock Huang)

Approved By: (Jack Ai)





Report No.: CQASZ20220300484E-01

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20220300484E-01	Rev.01	Initial report	2022-04-07





2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2013	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(3)	ANSI C63.10 2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	ANSI C63.10 2013	PASS
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	ANSI C63.10 2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS



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4 General Information

4.1 Client Information

Applicant:	Shenzhen Inkbird Technology Co., Ltd.
Address of Applicant:	Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China
Manufacturer:	Shenzhen Inkbird Technology Co., Ltd.
Address of Manufacturer:	Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China
Factory:	Shenzhen Inkbird Technology Co., Ltd.
Address of Factory:	Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China

4.2 General Description of EUT

Product Name:	Smoker Controller		
Model No.:	ISC-007BW, ISC-008BW, ISC-027BW		
Test Model No.:	ISC-007BW		
Trade Mark:	INKBIRD		
Software Version:	REV2.1		
Hardware Version:	REV3.0		
Operation Frequency:	2402MHz~2480MHz		
Bluetooth Version:	V5.0		
Modulation Type:	GFSK		
Transfer Rate:	1Mbps		
Number of Channel:	40		
Product Type:	☐ Mobile ☐ Portable ☐ Fix Location		
Test Software of EUT:	PhyPlusKit		
Antenna Type:	PCB antenna		
Antenna Gain:	1 dBi		
EUT Power Supply:	Power by DC 12V for Adapter		
	Model:DWIN-120200A		
	Output:12V 2A 24W		

Note:

Model No.: ISC-007BW, ISC-008BW, ISC-027BW

Only the model ISC-007BW was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name. FCC certified module (only the WiFi part is used) and the BLE module can transmit simultaneously.



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

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 (CH0)	2402MHz	
The middle channel (CH19)	2440MHz	
The highest channel (CH39)	2480MHz	

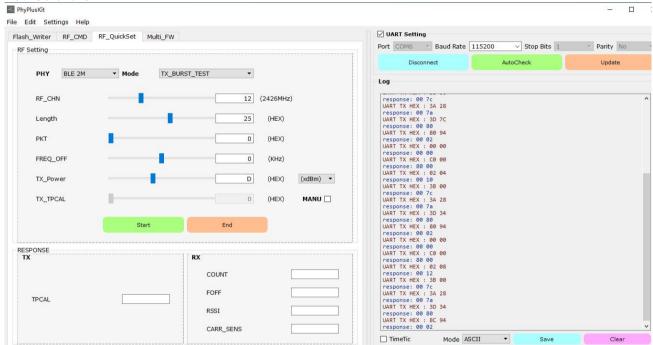


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4.3 Additional Instructions

EUT Test Software Settings:						
Mode:	⊠ Special software is used.	⊠ Special software is used.				
		☐ Through engineering command into the engineering mode. engineering command: *#*#3646633#*#*				
EUT Power level:	Class2 (Power level is built-in set para selected)	ameters and cannot be changed and				
Use test software to set the lo	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep					
transmitting of the EUT.						
Mode	Channel	Frequency(MHz)				
	CH0 2402					
GFSK CH19 2440						
	CH39	2480				

Run Software:





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4.4 Test Environment

Operating Environment:	Operating Environment:			
Temperature:	24.5°C			
Humidity:	59% RH			
Atmospheric Pressure:	1009mbar			
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.			

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/
2) Cable				
Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
	,	1	1	1





4.6 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** guality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty
1	Radiated Emission (Below 1GHz)	5.12dB
2	Radiated Emission (Above 1GHz)	4.60dB
3	Conducted Disturbance (0.15~30MHz)	3.34dB
4	Radio Frequency	3×10 ⁻⁸
5	Duty cycle	0.6 %
6	Occupied Bandwidth	1.1%
7	RF conducted power	0.86dB
8	RF power density	0.74
9	Conducted Spurious emissions	0.86dB
10	Temperature test	0.8℃
11	Humidity test	2.0%
12	Supply voltages	0.5 %
13	Frequency Error	5.5 Hz



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4.7 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.8 Test Facility

• A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology 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 our files. Registration No.:522263

4.9 Deviation from Standards

None.

4.10 Other Information Requested by the Customer

None.



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4.11Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2021/9/10	2022/9/9
Spectrum analyzer	R&S	FSU26	CQA-038	2021/9/10	2022/9/9
Preamplifier	MITEQ	AMF-6D-02001800-29- 20P	CQA-036	2021/9/10	2022/9/9
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/9/16	2024/9/15
Bilog Antenna	R&S	HL562	CQA-011	2021/9/16	2024/9/15
Horn Antenna	R&S	HF906	CQA-012	2021/9/16	2024/9/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/9/16	2024/9/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2021/9/10	2022/9/9
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2021/9/10	2022/9/9
Antenna Connector	CQA	RFC-01	CQA-080	2021/9/10	2022/9/9
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2021/9/10	2022/9/9
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2021/9/10	2022/9/9

Note:

The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

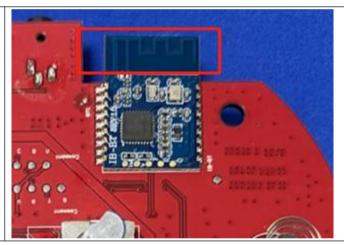
15.203 requirement:

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(b) (4) requirement:

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.

EUT Antenna:



The antenna is PCB antenna. The best case gain of the antenna is 1 dBi.

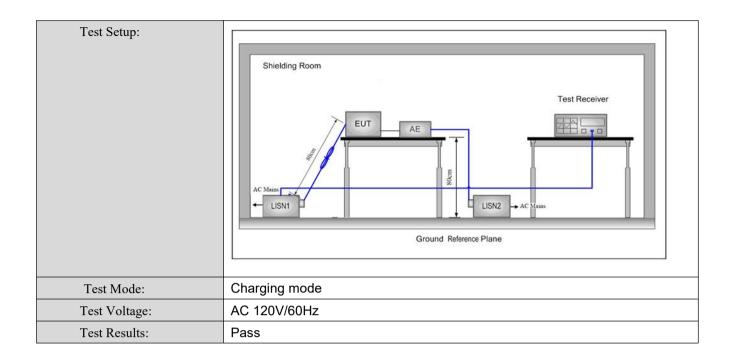


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5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207					
Test Method:	ANSI C63.10: 2013					
Test Frequency Range:	150kHz to 30MHz					
Limit:		Limit (d	lBuV)			
	Frequency range (MHz)	Quasi-peak	Average			
	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
	* Decreases with the logarithm o	f the frequency.				
Test Procedure:	The mains terminal disturble room.	bance voltage test was	s conducted in a shielde	ed		
	 The EUT was connected to Impedance Stabilization N impedance. The power calconnected to a second LIS reference plane in the same measured. A multiple sock power cables to a single Lexceeded. The tabletop EUT was place ground reference plane. A placed on the horizontal ground reference plane. A reference plane in the EUT shall be 0.4 m reference plane. The LISN unit under test and bonded mounted on top of the ground between the closest points the EUT and associated ends. In order to find the maximule equipment and all of the in ANSI C63.10: 2013 on contract. 	etwork) which provides bles of all other units of SN 2, which was bonden he way as the LISN 1 for et outlet strip was used ISN provided the rating ced upon a non-metallic and for floor-standing around reference plane, the a vertical ground reference plane was bonded to the 1 was placed 0.8 m from the vertical ground reference und reference plane. The fof the LISN 1 and the quipment was at least 0 am emission, the relative terface cables must be	is a 50Ω/50μH + 5Ω linear in the EUT were do not the ground for the unit being do to connect multiple in of the LISN was not contained the EUT was also the trangement, the EUT was erence plane. The rear do reference plane. The end the boundary of the plane for LISNs in its distance was EUT. All other units of 0.8 m from the LISN 2. The positions of	as		

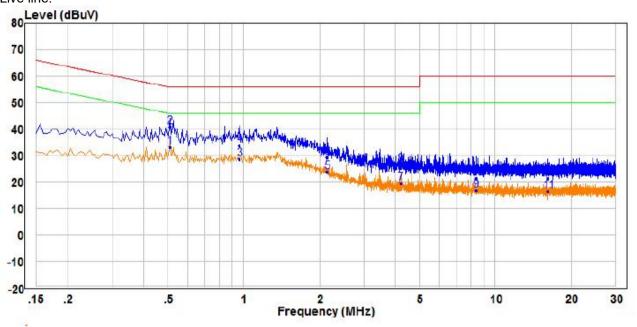






Measurement Data





			Read			Limit	over		
		Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
	1	MHZ	dBuV	dB	dBuV	dBuV	dB		Ni-
1 F	PP	0.510	23.51	9.54	33.05	46.00	-12.95	Average	Line
2 (P	0.510	31.35	9.54	40.89	56.00	-15.11	QP	Line
3		0.965	19.14	9.56	28.70	46.00	-17.30	Average	Line
4		0.965	24.14	9.56	33.70	56.00	-22.30	QP	Line
5		2.150	14.15	9.54	23.69	46.00	-22.31	Average	Line
6		2.150	19.60	9.54	29.14	56.00	-26.86	QP	Line
7		4.215	9.84	9.69	19.53	46.00	-26.47	Average	Line
8		4.215	16.76	9.69	26.45	56.00	-29.55	QP	Line
9		8.400	6.99	9.75	16.74	50.00	-33.26	Average	Line
10		8.400	11.68	9.75	21.43	60.00	-38.57	QP	Line
11		16.240	6.69	9.94	16.63	50.00	-33.37	Average	Line
12		16.240	11.41	9.94	21.35	60.00	-38.65	QP	Line

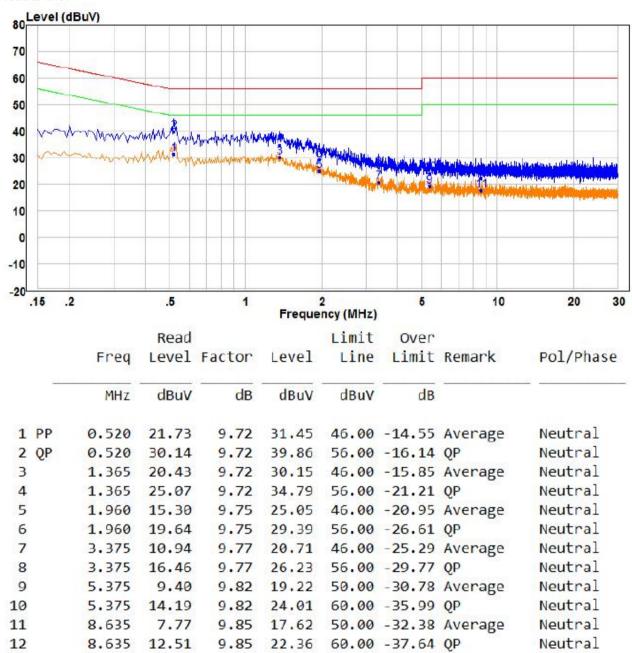
Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





Neutral line:

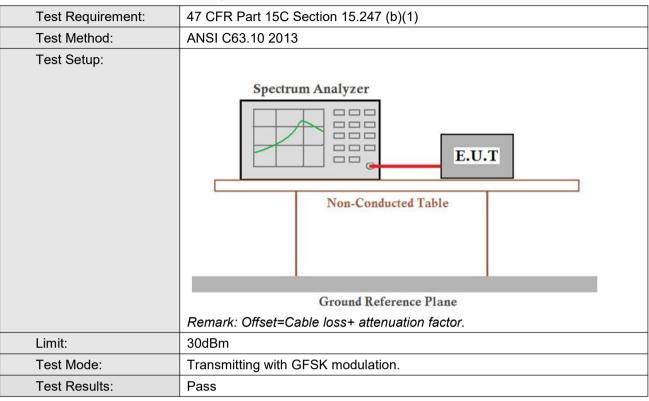


Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.

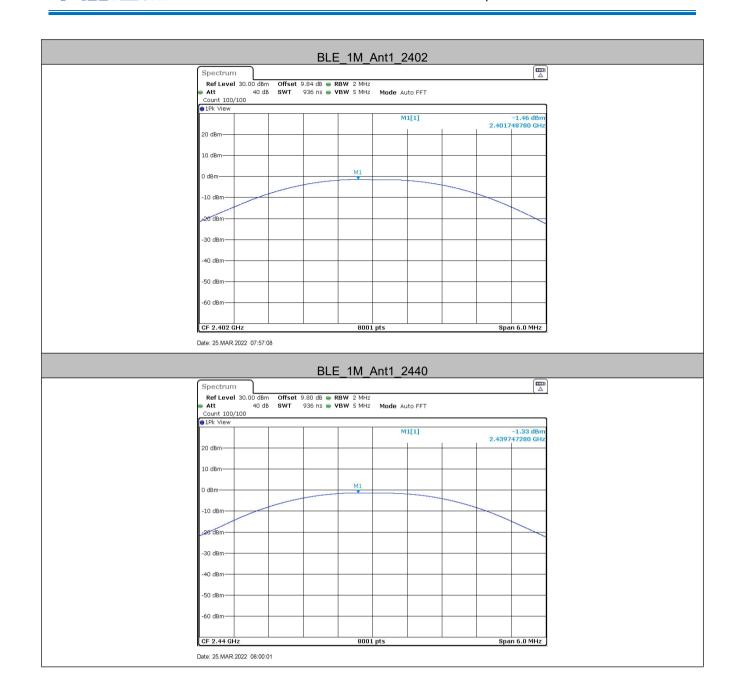


5.3 Conducted Peak Output Power

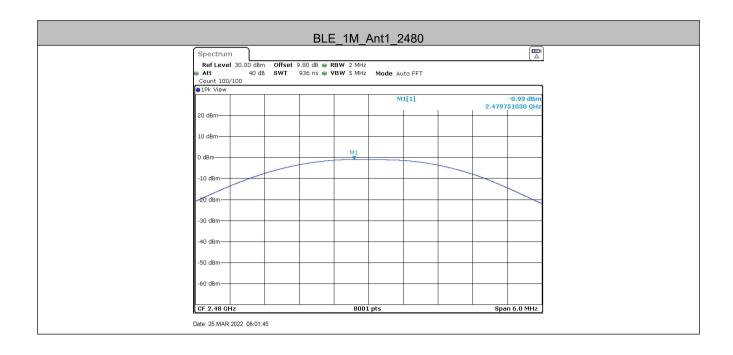


Measurement Data

	GFSK mode (1Mbps)									
Test channel Peak Output Power (dBm) Limit (dBm) Resu										
Lowest	-1.46	30.00	Pass							
Middle	-1.33	30.00	Pass							
Highest	-0.99	30.00	Pass							



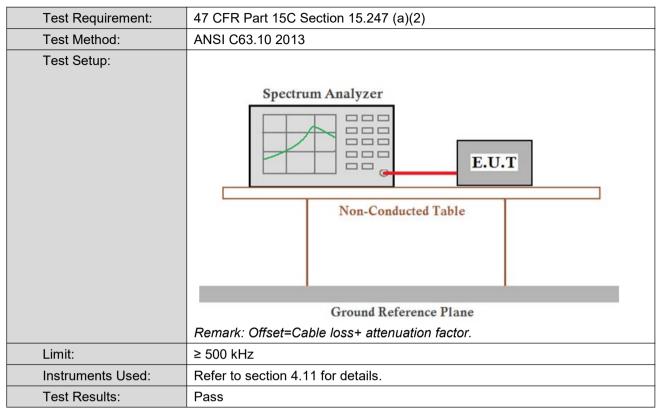








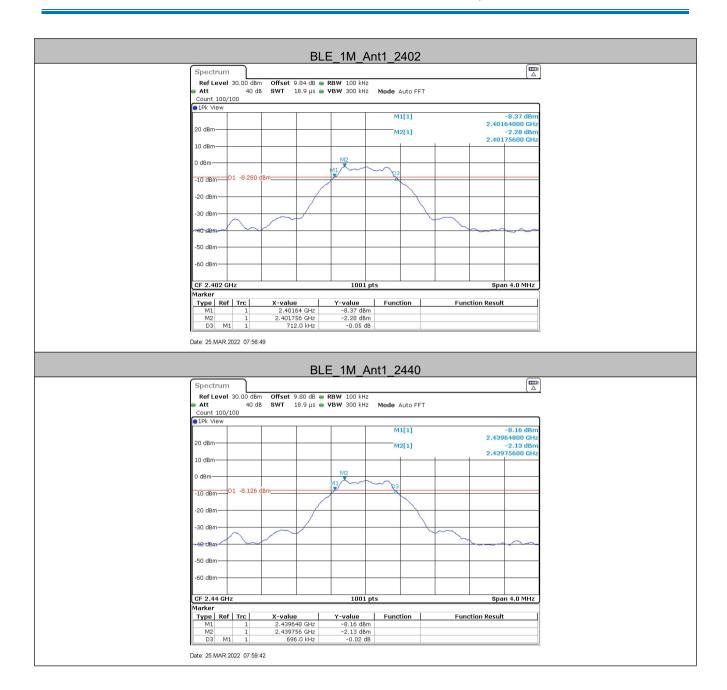
5.4 6dB Occupy Bandwidth



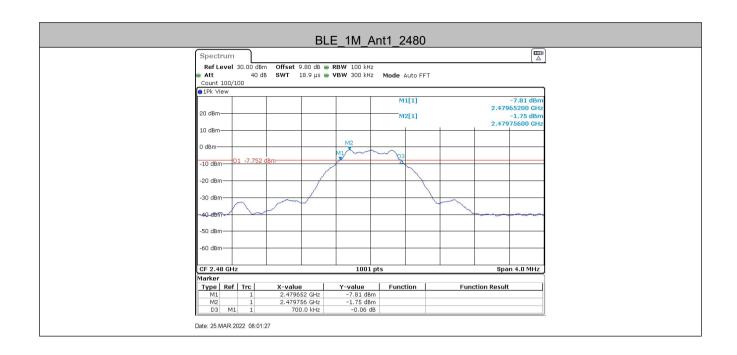
Measurement Data

GFSK mode (1Mbps)									
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result						
Lowest	0.712	≥500	Pass						
Middle	0.696	≥500	Pass						
Highest	0.700	≥500	Pass						



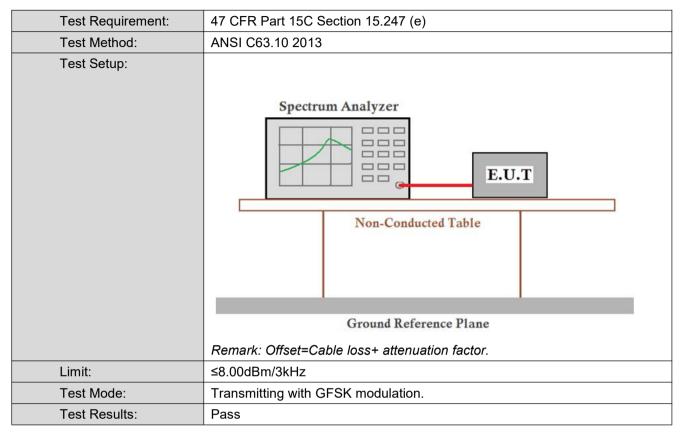








5.5 Power Spectral Density



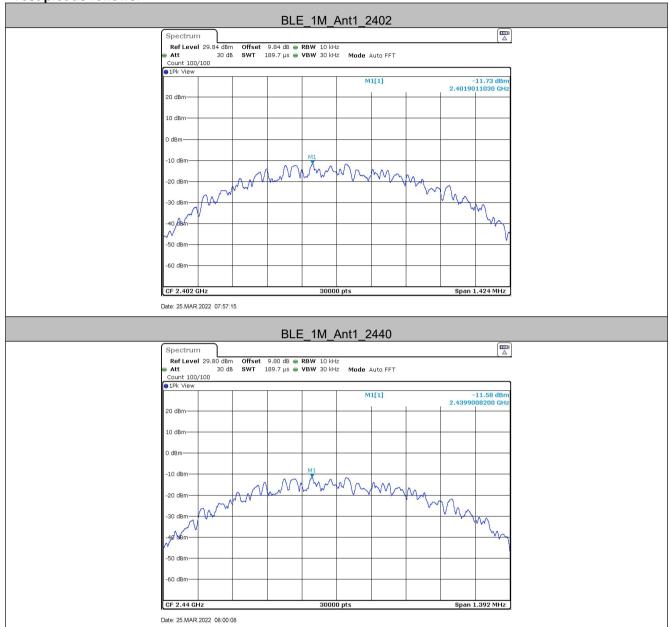
Measurement Data

GFSK mode (1Mbps)									
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result						
Lowest	-11.73	≤8.00	Pass						
Middle	-11.58	≤8.00	Pass						
Highest	-11.21	≤8.00	Pass						

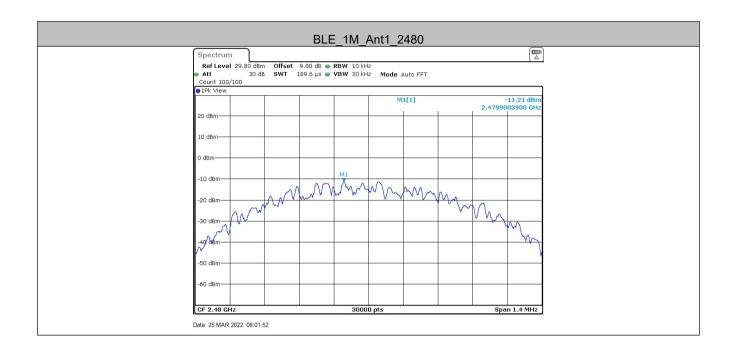


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Test plot as follows:



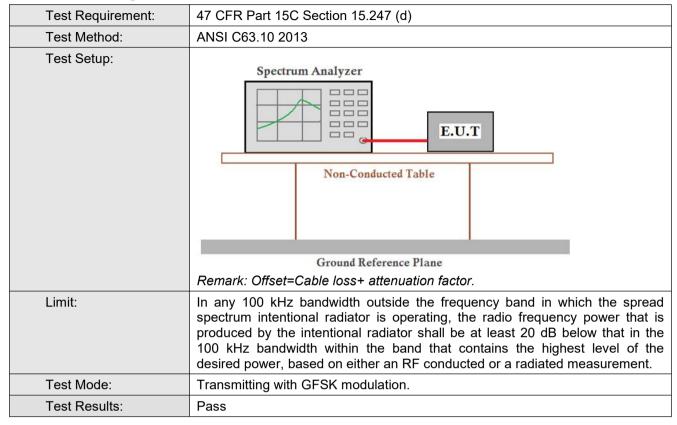






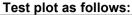
Report No.: CQASZ20220300484E-01

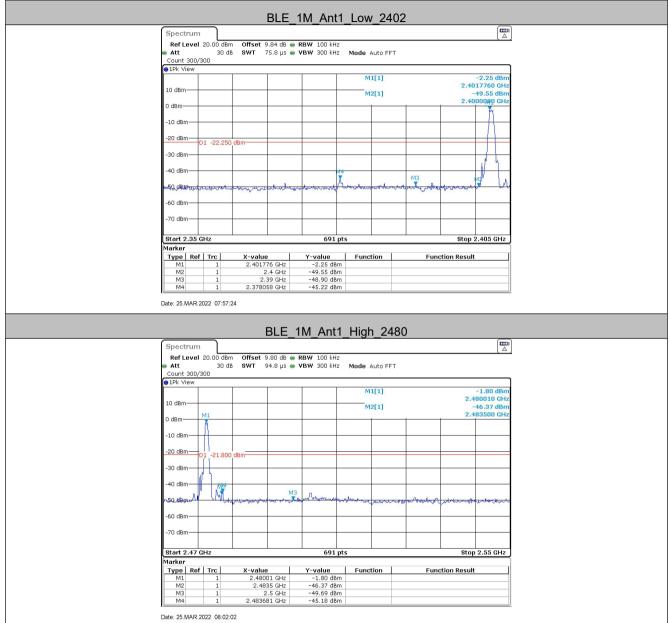
5.6 Band-edge for RF Conducted Emissions



TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
		Low	2402	-2.25	-45.22	≤-22.25	PASS
BLE_1M	Ant1	High	2480	-1.80	-45.18	≤-21.8	PASS



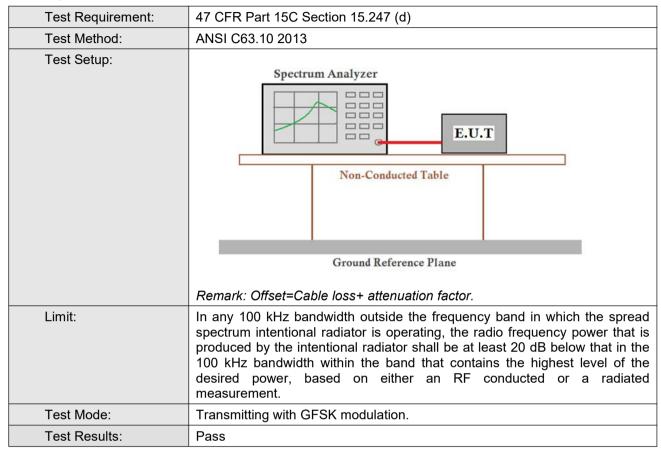






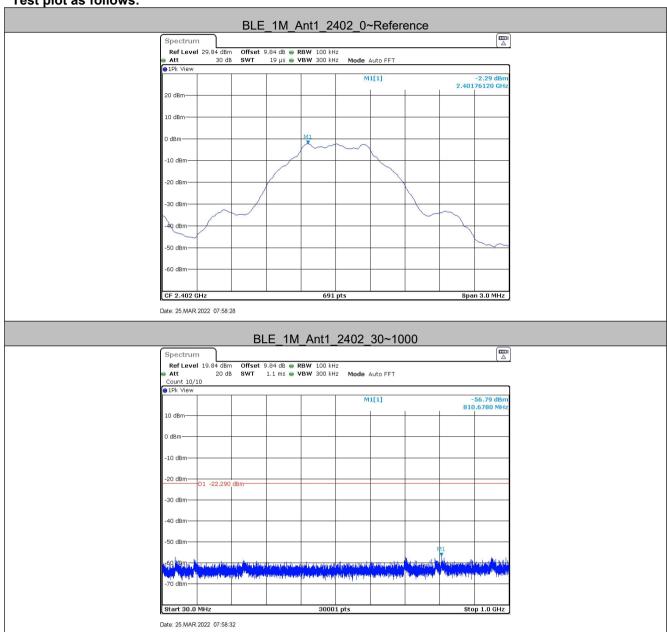


5.7 Spurious RF Conducted Emissions

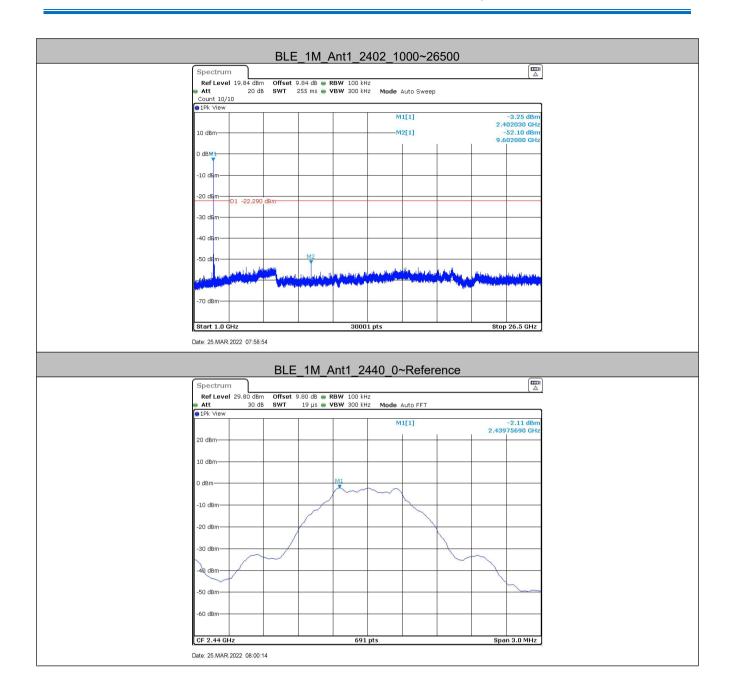




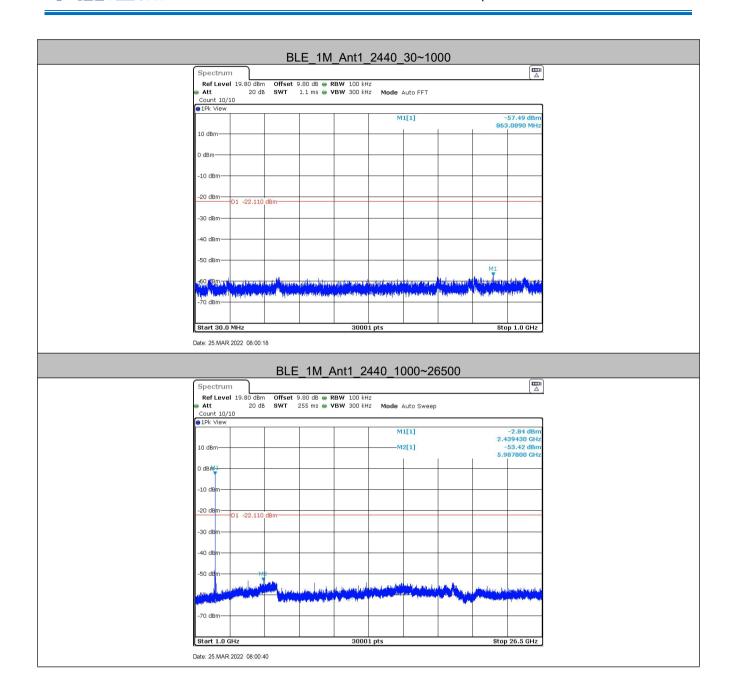




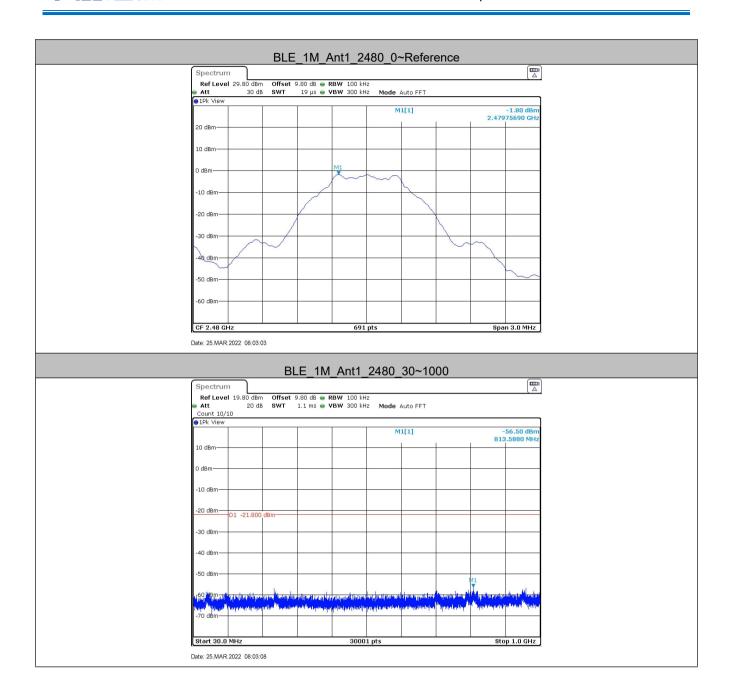






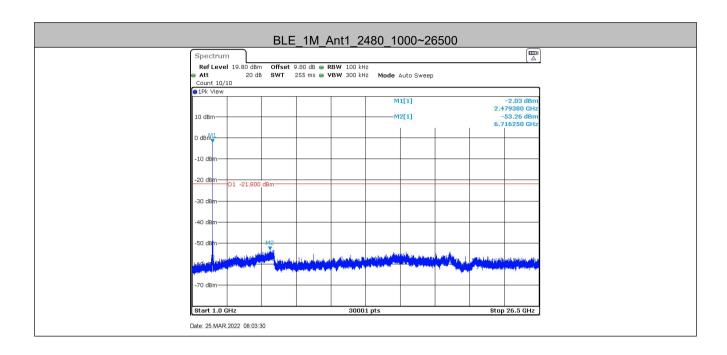








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Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.



5.8 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions												
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205											
Test Method:	ANSI C63.10 2013											
Test Site:	Measurement Distance	Measurement Distance: 3m (Semi-Anechoic Chamber)										
Receiver Setup:	Frequency		Detector	RBW	V	BW	Remark]				
	0.009MHz-0.090MH	z	Peak	10kHz	z 30)kHz	Peak	1				
	0.009MHz-0.090MH	z	Average	10kHz	z 30)kHz	Average	1				
	0.090MHz-0.110MH	z	Quasi-peak	10kHz	z 30)kHz	Quasi-peak	1				
	0.110MHz-0.490MH	Z	Peak	10kHz	z 30)kHz	Peak					
	0.110MHz-0.490MH	Z	Average	10kHz	z 30)kHz	Average	1				
	0.490MHz -30MHz		Quasi-peak	10kHz	z 30)kHz	Quasi-peak					
	30MHz-1GHz	30MHz-1GHz			z 30	0kHz	Quasi-peak	1				
	Abaya 4011-		Peak	1MHz	: 31	ИНz	Peak	1				
	Above 1GHz		Peak	1MHz	: 10	0Hz	Average					
Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	Ren	nark	Measureme distance (r					
	0.009MHz-0.490MHz	2	400/F(kHz)	-		-	300					
	0.490MHz-1.705MHz	24	1000/F(kHz)	-		-	30					
	1.705MHz-30MHz		30	-		-	30					
	30MHz-88MHz		100	40.0	Quasi	i-peak	3					
	88MHz-216MHz		150	43.5	Quasi	i-peak	3					
	216MHz-960MHz		200	46.0	Quasi	i-peak	3					
	960MHz-1GHz		500	54.0	Quasi	i-peak	3					
	Above 1GHz		500	54.0	Ave	rage	3					
	Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	20d quip	IB above the oment under t	maximum est. This p	permitt	ed ave	erage emissio	n				





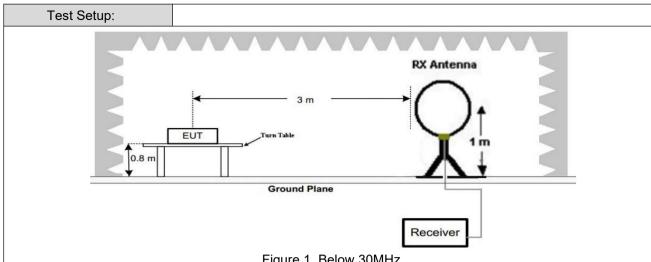
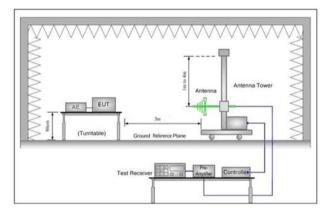


Figure 1. Below 30MHz



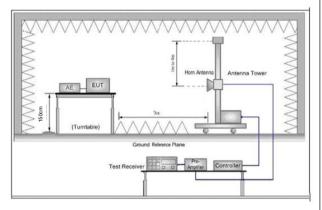


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both

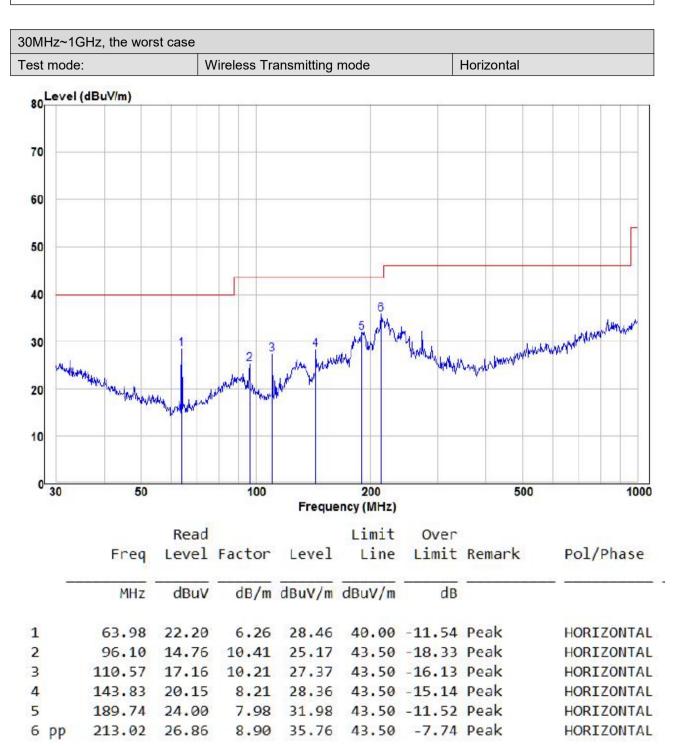


	horizontal and vertical polarizations of the antenna are set to make the measurement.					
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.					
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.					
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.					
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)					
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.					
	i. Repeat above procedures until all frequencies measured was complete.					
Exploratory Test Mode:	The simultaneous transmission of both the FCC certified and the BLE module.					
Final Test Mode:	ne simultaneous transmission of both the FCC certified and the BLE odule.					
	Only the worst case is recorded in the report.					
Test Results:	Pass					



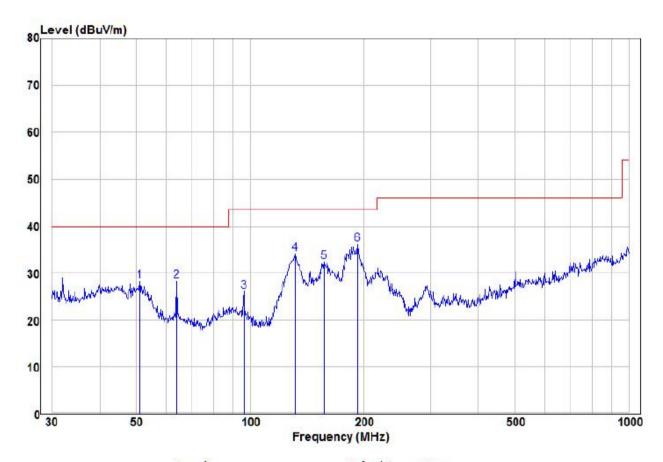


Radiated Emission below 1GHz





30MHz~1GHz, the worst case		
Test mode:	Wireless Transmitting mode	Vertical



	Freq	Read Level	Factor	Level	Limit Line		Remark	Pol/Phase
-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	51.12	20.40	7.85	28.25	40.00	-11.75	Peak	VERTICAL
2	63.98	22.10	6.26	28.36	40.00	-11.64	Peak	VERTICAL
3	96.10	15.62	10.41	26.03	43.50	-17.47	Peak	VERTICAL
4	131.76	24.13	9.93	34.06	43.50	-9.44	Peak	VERTICAL
5	156.46	24.39	8.04	32.43	43.50	-11.07	Peak	VERTICAL
6 pp	192.42	28.06	8.09	36.15	43.50	-7.35	Peak	VERTICAL



Transmitter Emission above 1GHz

The simultaneous transmission of both the FCC certified and the BLE module.

Worse case m	ode:	GFSK(1Mbps	s)	Test chann	el:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol. H/V
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		1 1/ V
2390	54.23	-9.2	45.03	74	-28.97	Peak	Н
2400	54.88	-9.39	45.49	74	-28.51	Peak	Н
4804	54.20	-4.33	49.87	74	-24.13	Peak	Н
4824	47.88	-4.33	43.55	74	-30.45	Peak	Н
7206	49.24	1.01	50.25	74	-23.75	Peak	Н
2390	53.91	-9.2	44.71	74	-29.29	Peak	V
2400	50.69	-9.39	41.30	74	-32.70	Peak	V
4804	54.69	-4.33	50.36	74	-23.64	Peak	V
4824	50.72	-4.33	46.39	74	-29.61	Peak	V
7206	48.68	1.01	49.69	74	-24.31	Peak	V

Worse case m	ode:	GFSK(1Mbps	s)	Test chann	el:	Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
4874	51.73	-4.11	47.62	74	-26.38	peak	Н
4880	53.20	-4.11	49.09	74	-24.91	peak	Н
7320	48.81	1.51	50.32	74	-23.68	peak	Н
4874	49.47	-4.11	45.36	74	-28.64	peak	V
4880	54.09	-4.11	49.98	74	-24.02	peak	V
7320	50.45	1.51	51.96	74	-22.04	peak	٧

Worse case mode:		GFSK(1Mbps)		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2483.5	56.26	-9.29	46.97	74	-27.03	Peak	Н
4924	49.40	-4.04	45.36	74	-28.64	Peak	Н
4960	51.26	-4.04	47.22	74	-26.78	Peak	Н
7440	48.70	1.57	50.27	74	-23.73	Peak	Н
2483.5	58.09	-9.29	48.80	74	-25.20	Peak	V
4924	48.51	-4.04	44.37	74	-29.63	Peak	V
4960	49.76	-4.04	45.72	74	-28.28	Peak	V
7440	49.16	1.57	50.73	74	-23.27	Peak	V



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Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 - Final Test Level = Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.