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Website: www.cga-cert.com Report Template Revision Date: 2021-11-03

Report Template Version: V05

Test Report

Report No.: CQASZ20250200188E-01

Applicant: Shenzhen DO Intelligent Technology Co., Ltd

Address of Applicant: 11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua

District, Shenzhen, China

Equipment Under Test (EUT):

Product: Smart Watch

Model No.: GTC1, GTC2, GTC3

Test Model No.: GTC1, GTC2, GTC3

Brand Name: IDO

FCC ID: 2AHFT866

Standards: 47 CFR Part 15, Subpart C

KDB558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10:2013

Date of Receipt: 2025-02-08

Date of Test: 2025-02-08 to 2025-03-13

Date of Issue: 2025-03-13
Test Result: PASS*

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

Tested By:

(Lewis Zhou)

Reviewed By:

(Timo Lei)

Approved By: (Jack Ai)





Report No.: CQASZ20250200188E-01

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250200188E-01	Rev.01	Initial report	2025-03-13



Report No.: CQASZ20250200188E-01

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

Note:

AC Power Line Conducted Emission and Radiated Spurious Emissions1G and below have tested all models and all batteries and provided data, RF project only tested GTC1 because PCB and RF circuit are consistent.



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4 General Information

4.1 Client Information

Applicant:	Shenzhen DO Intelligent Technology Co., Ltd	
Address of Applicant:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua	
	District, Shenzhen, China	
Manufacturer:	Shenzhen DO Intelligent Technology Co., Ltd	
Address of Manufacturer:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua	
	District, Shenzhen, China	
Factory:	Shenzhen DO Intelligent Technology Co., Ltd	
Address of Factory:	11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua	
	District, Shenzhen, China	

4.2 General Description of EUT

Product Name:	Smart Watch		
Model No.:	GTC1, GTC2, GTC3		
Test Model No.:	GTC1, GTC2, GTC3		
Trade Mark:	IDO		
Software Version:	V1.00.10		
Hardware Version:	V1.0		
Operation Frequency:	2402MHz~2480MHz		
Bluetooth Version:	V5.3		
Modulation Type:	GFSK		
Transfer Rate:	1Mbps, 2Mbps		
Number of Channel:	40		
Product Type:	☐ Mobile Portable		
Test Software of EUT:	SiFli RF Tool v1.1.6		
Antenna Type:	Metal frame antenna		
Antenna Gain:	-3.2dBi		
EUT Power Supply:	GTC1:		
	Li-ion battery DC 3.85V 350mAh(551925 04) 1#		
	Li-ion battery DC 3.85V 350mAh(551925 16) 2#		
	GTC2:		
	_i-ion battery DC 3.85V 350mAh(551925 04) 3#		
	Li-ion battery DC 3.85V 350mAh(551925 16) 4#		
	GTC3:		
	Li-ion battery DC 3.85V 350mAh(551925 04) 5#		
	Li-ion battery DC 3.85V 350mAh(551925 16) 6#		



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Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.
	⊠ Simultaneous TX is not supported.

Note:

Here the product 1#2# means the product version (model: GTC1), product 3#4# means the (model: GTC2).

product 5#6# means the (model: GTC3).

The difference between product 1#3#5# and product 2#4#6# is that the battery model is different including having different battery supplier.

The difference between product model: GTC1 and product model: GTC2, model: GTC3 is that the screen model and appearance and strapis different including having different sreen supplier. The key differences are the appearance and the model number.

These changes do not affect RF performance.



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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

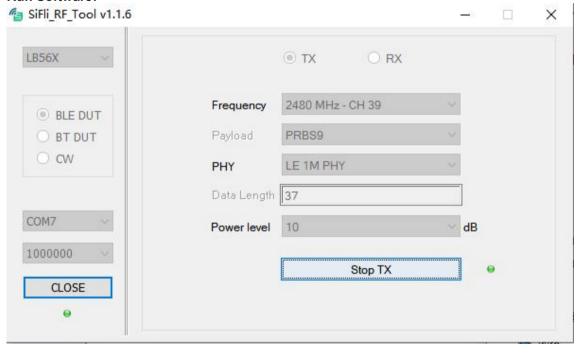


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4.3 Additional Instructions

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 pa selected)	Class2 (Power level is built-in set parameters and cannot be changed and selected)		
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
Adapter	/	1	1	CQA
2) Cable				
Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
	,	,	,	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.** quality 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.



4.11 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU40	CQA-075	2024/9/2	2025/9/1
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2024/9/2	2025/9/1
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2024/9/2	2025/9/1
Preamplifier	EMCI	EMC184055SE	CQA-089	2024/9/2	2025/9/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2023/9/8	2026/9/7
Bilog Antenna	R&S	HL562	CQA-011	2023/11/01	2026/10/31
Horn Antenna	R&S	HF906	CQA-012	2023/11/01	2026/10/31
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2023/9/7	2026/9/6
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2024/9/2	2025/9/1
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2024/9/2	2025/9/1
Antenna Connector	CQA	RFC-01	CQA-080	2024/9/2	2025/9/1
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2024/9/2	2025/9/1
Power meter	R&S	NRVD	CQA-029	2024/9/2	2025/9/1
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2024/9/2	2025/9/1
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
LISN	R&S	ENV216	CQA-003	2024/9/2	2025/9/1
Coaxial cable	CQA	N/A	CQA-C009	2024/9/2	2025/9/1
DC power	KEYSIGHT	E3631A	CQA-028	2024/9/2	2025/9/1

Test software:

- Solitoria S.	Manufacturer	Software brand	Software version
Radiated Emissions test software	Tonscend	JS1120-3	Version:8
Conducted Emissions test software	Audix	e3	Version:9
RF Conducted test software	Audix	e3	V3.5.39

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 Metal frame antenna.

The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment.

This is either permanently attachment or a unique coupling that satisfies the requirement.

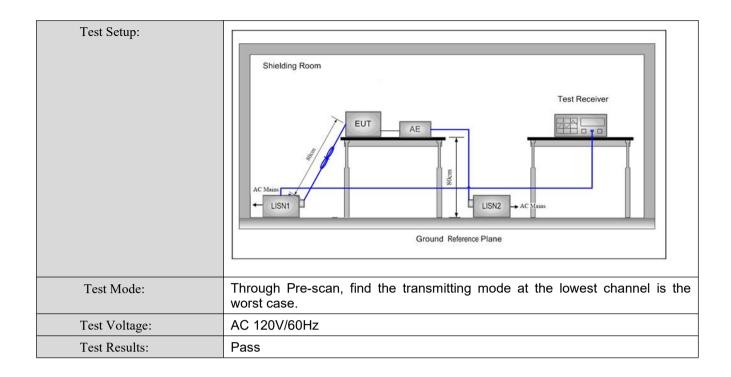


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5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207							
Test Method:	ANSI C63.10: 2013							
Test Frequency Range:	150kHz to 30MHz							
Limit:	E (MIL)	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 disturl room.	bance voltage test was	s conducted in a shie	elded				
	The EUT was connected to Impedance Stabilization N	•	•	near				
	impedance. The power cal	, ,	•	ilcai				
	connected to a second LIS							
	reference plane in the sam	ne way as the LISN 1 fo	or the unit being					
	measured. A multiple sock	•	·					
	power cables to a single Li exceeded.	ISN provided the rating	of the LISN was not	•				
	3) The tabletop EUT was place	ced upon a non-metallio	c table 0.8m above th	he				
	ground reference plane. A	•	rangement, the EUT	was				
	placed on the horizontal gr	•						
	4) The test was performed wi	•	•					
	of the EUT shall be 0.4 m to vertical ground reference p	•	•	ie				
	reference plane. The LISN		•	he				
	unit under test and bonded	•	•					
	mounted on top of the grou	•	•					
	between the closest points of the LISN 1 and the EUT. All other un							
	the EUT and associated ed	• •		2.				
	5) In order to find the maximu		•					
	equipment and all of the in		changed according	to				
	ANSI C63.10: 2013 on con	iducted measurement.						





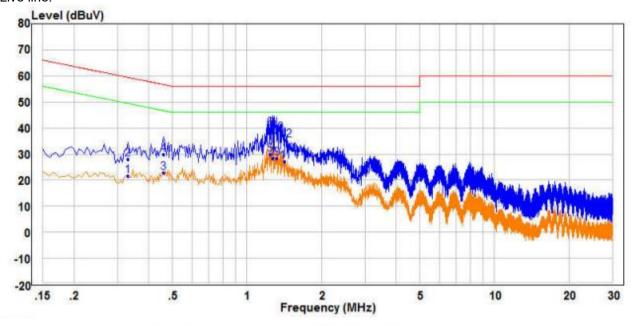




1# Li-ion battery DC 3.85V 350mAh(551925 04)

Measurement Data

Live line:

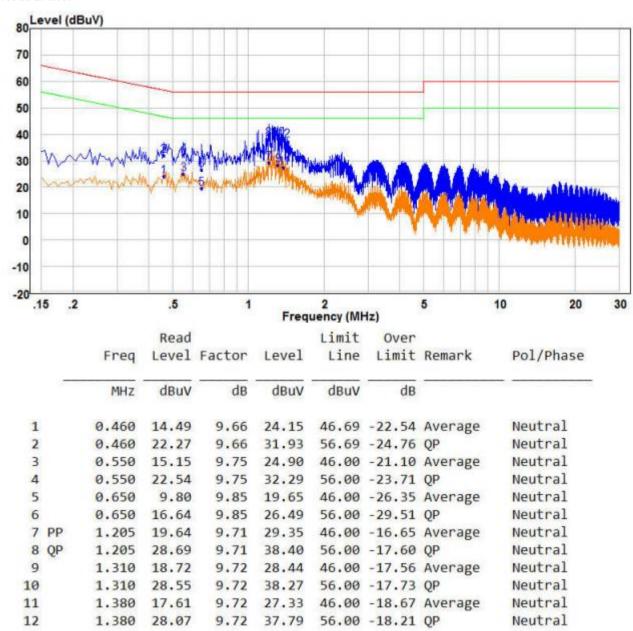


		Read			Limit	Over		
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
	MHZ	dBuV	dB	dBuV	dBuV	dB		
1	0.330	12.22	9.53	21.75	49.45	-27.70	Average	Line
2	0.330	18.46	9.53	27.99	59.45	-31.46	QP	Line
3	0.460	13.09	9.67	22.76	46.69	-23.93	Average	Line
4	0.460	20.13	9.67	29.80	56.69	-26.89	QP	Line
5 PF	1.240	19.71	10.30	30.01	46.00	-15.99	Average	Line
6 QF	1.240	29.49	10.30	39.79	56.00	-16.21	QP	Line
7	1.275	18.09	10.38	28.47	46.00	-17.53	Average	Line
8	1.275	28.37	10.38	38.75	56.00	-17.25	QP	Line
9	1.320	17.88	10.48	28.36	46.00	-17.64	Average	Line
10	1.320	27.49	10.48	37.97	56.00	-18.03	QP	Line
11	1.425	16.39	10.69	27.08	46.00	-18.92	Average	Line
12	1.425	24.67	10.69	35.36	56.00	-20.64	QP	Line

- 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:



- 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.

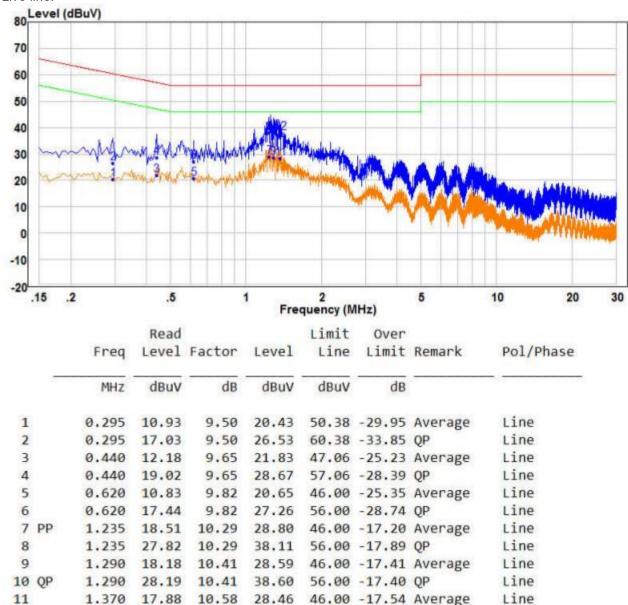


Line

2# Li-ion battery DC 3.85V 350mAh(551925 16)

Measurement Data





Remark:

12

1. The following Quasi-Peak and Average measurements were performed on the EUT:

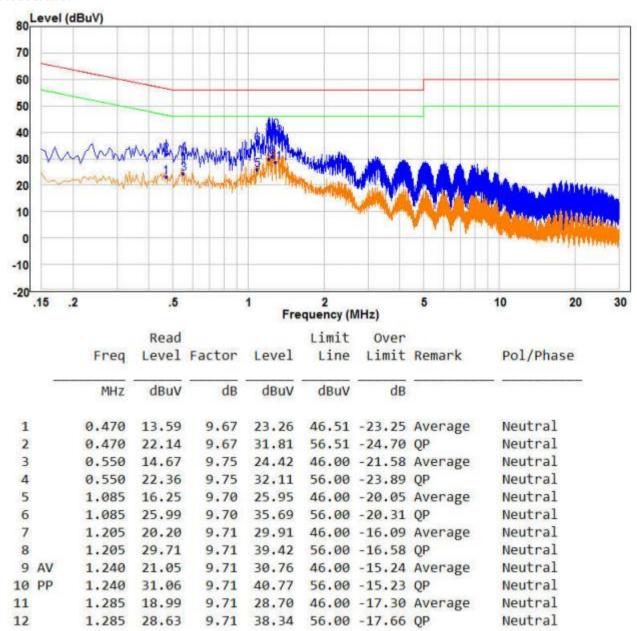
1.370 27.61 10.58 38.19 56.00 -17.81 QP

- 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:



- 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.

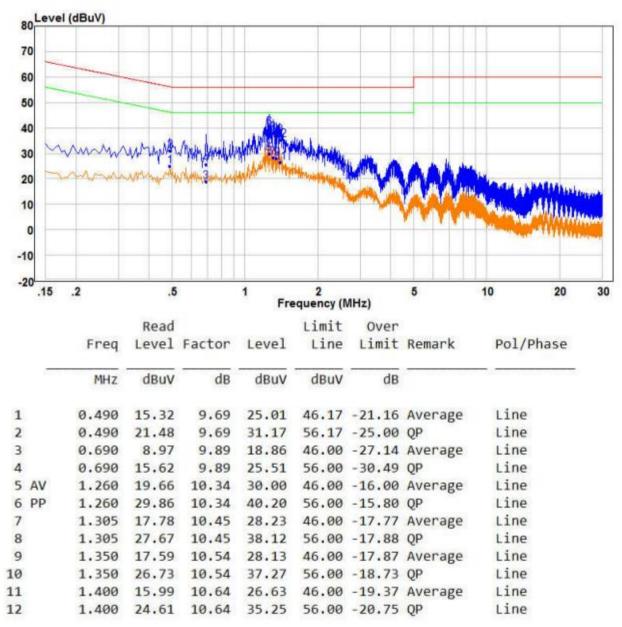




3# Li-ion battery DC 3.85V 350mAh(551925 04)

Measurement Data

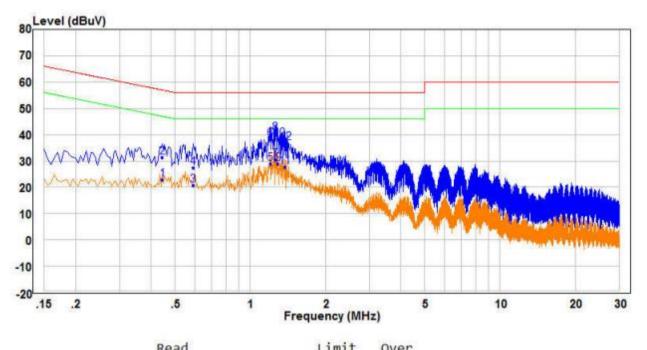
Live line:



- 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:



	Frea	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
800	MHZ	dBuV	dB	dBuV	dBuV	dB		
	0.445	13.27	9.65	22.92	46.97	-24.05	Average	Neutral
	0.445	21.86	9.65	31.51	56.97	-25.46	QP	Neutral
	0.590	10.96	9.79	20.75	46.00	-25.25	Average	Neutral
	0.590	17.75	9.79	27.54	56.00	-28.46	QP	Neutral
	1.205	19.33	9.71	29.04	46.00	-16.96	Average	Neutral
	1.205	28.81	9.71	38.52	56.00	-17.48	QP	Neutral
AV	1.260	20.63	9.71	30.34	46.00	-15.66	Average	Neutral
PP	1.260	30.76	9.71	40.47	56.00	-15.53	QP	Neutral
	1.295	19.25	9.71	28.96	46.00	-17.04	Average	Neutral
	1.295	28.70	9.71	38.41	56.00	-17.59	QP	Neutral
	1.375	18.03	9.72	27.75	46.00	-18.25	Average	Neutral
	1.375	27.14	9.72	36.86	56.00	-19.14	QP	Neutral
	AV PP	0.445 0.445 0.590 0.590 1.205 1.205 AV 1.260 PP 1.260 1.295 1.295 1.375	MHZ dBuV 0.445 13.27 0.445 21.86 0.590 10.96 0.590 17.75 1.205 19.33 1.205 28.81 AV 1.260 20.63 PP 1.260 30.76 1.295 19.25 1.295 28.70 1.375 18.03	MHZ dBuV dB 0.445 13.27 9.65 0.445 21.86 9.65 0.590 10.96 9.79 0.590 17.75 9.79 1.205 19.33 9.71 1.205 28.81 9.71 1.205 28.81 9.71 AV 1.260 20.63 9.71 PP 1.260 30.76 9.71 1.295 19.25 9.71 1.295 28.70 9.71 1.375 18.03 9.72	MHZ dBuV dB dBuV 0.445 13.27 9.65 22.92 0.445 21.86 9.65 31.51 0.590 10.96 9.79 20.75 0.590 17.75 9.79 27.54 1.205 19.33 9.71 29.04 1.205 28.81 9.71 38.52 AV 1.260 20.63 9.71 30.34 PP 1.260 30.76 9.71 40.47 1.295 19.25 9.71 28.96 1.295 28.70 9.71 38.41 1.375 18.03 9.72 27.75	### Revel Factor Level Line MHz dBuV dB dBuV dBuV	MHZ dBuV dB dBuV dBuV dB 0.445 13.27 9.65 22.92 46.97 -24.05 0.445 21.86 9.65 31.51 56.97 -25.46 0.590 10.96 9.79 20.75 46.00 -25.25 0.590 17.75 9.79 27.54 56.00 -28.46 1.205 19.33 9.71 29.04 46.00 -16.96 1.205 28.81 9.71 38.52 56.00 -17.48 AV 1.260 20.63 9.71 30.34 46.00 -15.66 PP 1.260 30.76 9.71 40.47 56.00 -15.53 1.295 19.25 9.71 28.96 46.00 -17.04 1.295 28.70 9.71 38.41 56.00 -17.59 1.375 18.03 9.72 27.75 46.00 -18.25	## Preq Level Factor Level Line Limit Remark MHz

- 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.

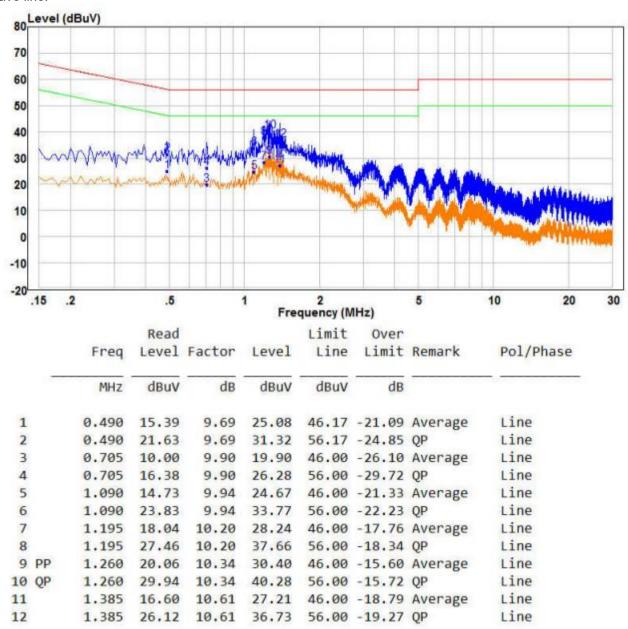




4# Li-ion battery DC 3.85V 350mAh(551925 16)

Measurement Data

Live line:

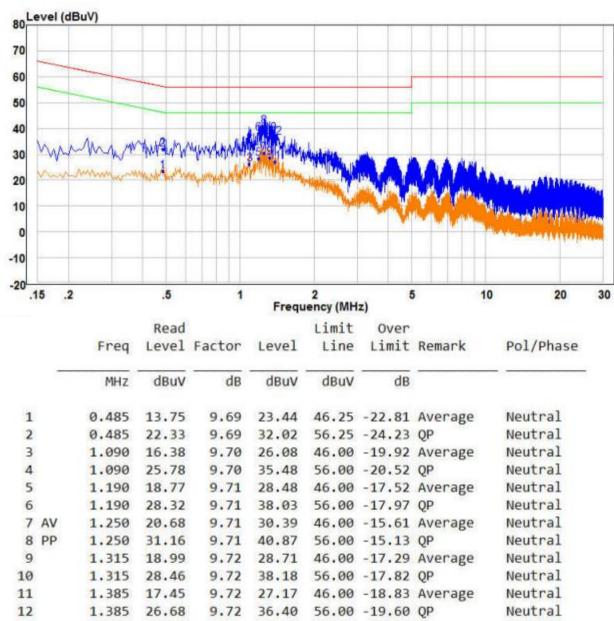


- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





Neutral line:



- 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.

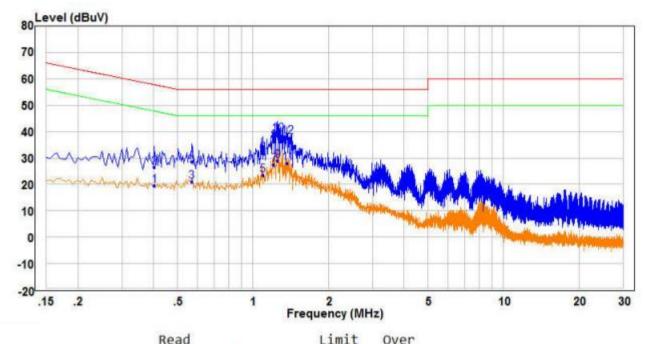




5# Li-ion battery DC 3.85V 350mAh(551925 04)

Measurement Data

Live line:

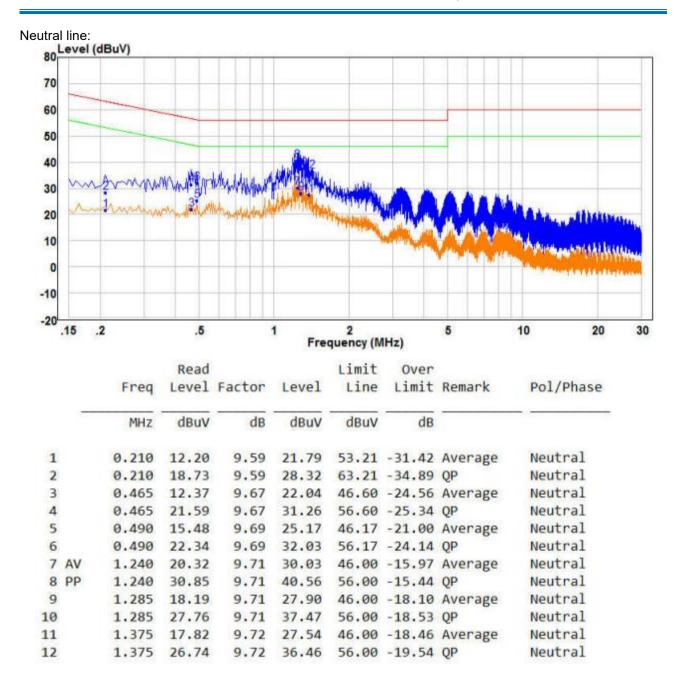


Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
MHZ	dBuV	dB	dBuV	dBuV	dB	· · · · · · · · · · · · · · · · · · ·	_
0.405	9.93	9.61	19.54	47.75	-28.21	Average	Line
0.405	16.90	9.61	26.51	57.75	-31.24	QP	Line
0.570	11.34	9.77	21.11	46.00	-24.89	Average	Line
0.570	18.89	9.77	28.66	56,00	-27.34	QP	Line
1.095	13.67	9.95	23.62	46.00	-22.38	Average	Line
1.095	21.64	9.95	31.59	56.00	-24.41	QP	Line
1.210	17.25	10.23	27.48	46.00	-18.52	Average	Line
1.210	25.99	10.23	36.22	56.00	-19.78	QP	Line
1.255	18.62	10.33	28.95	46.00	-17.05	Average	Line
1.255	28.59	10.33	38.92	56.00	-17.08	QP	Line
1.370	17.52	10.58	28.10	46.00	-17.90	Average	Line
1.370	27.57	10.58	38.15	56.00	-17.85	QP	Line
	MHZ 0.405 0.405 0.570 0.570 1.095 1.210 1.210 1.255 1.370	MHZ dBuV 0.405 9.93 0.405 16.90 0.570 11.34 0.570 18.89 1.095 13.67 1.095 21.64 1.210 17.25 1.210 25.99 1.255 18.62 1.255 28.59 1.370 17.52	MHZ dBuV dB 0.405 9.93 9.61 0.405 16.90 9.61 0.570 11.34 9.77 0.570 18.89 9.77 1.095 13.67 9.95 1.095 21.64 9.95 1.210 17.25 10.23 1.210 25.99 10.23 1.255 18.62 10.33 1.255 28.59 10.33 1.370 17.52 10.58	MHZ dBuV dB dBuV 0.405 9.93 9.61 19.54 0.405 16.90 9.61 26.51 0.570 11.34 9.77 21.11 0.570 18.89 9.77 28.66 1.095 13.67 9.95 23.62 1.095 21.64 9.95 31.59 1.210 17.25 10.23 27.48 1.210 25.99 10.23 36.22 1.255 18.62 10.33 28.95 1.255 28.59 10.33 38.92 1.370 17.52 10.58 28.10	MHZ dBuV dB dBuV dBuV 0.405 9.93 9.61 19.54 47.75 0.405 16.90 9.61 26.51 57.75 0.570 11.34 9.77 21.11 46.00 0.570 18.89 9.77 28.66 56.00 1.095 13.67 9.95 23.62 46.00 1.095 21.64 9.95 31.59 56.00 1.210 17.25 10.23 27.48 46.00 1.255 18.62 10.33 28.95 46.00 1.255 28.59 10.33 38.92 56.00 1.370 17.52 10.58 28.10 46.00	MHZ dBuV dB dBuV dBuV dB 0.405 9.93 9.61 19.54 47.75 -28.21 0.405 16.90 9.61 26.51 57.75 -31.24 0.570 11.34 9.77 21.11 46.00 -24.89 0.570 18.89 9.77 28.66 56.00 -27.34 1.095 13.67 9.95 23.62 46.00 -22.38 1.095 21.64 9.95 31.59 56.00 -24.41 1.210 17.25 10.23 27.48 46.00 -18.52 1.210 25.99 10.23 36.22 56.00 -17.05 1.255 18.62 10.33 28.95 46.00 -17.05 1.255 28.59 10.33 38.92 56.00 -17.08 1.370 17.52 10.58 28.10 46.00 -17.90	Freq Level Factor Level Line Limit Remark MHZ dBuV dBuV dBuV dB 0.405 9.93 9.61 19.54 47.75 -28.21 Average 0.405 16.90 9.61 26.51 57.75 -31.24 QP 0.570 11.34 9.77 21.11 46.00 -24.89 Average 0.570 18.89 9.77 28.66 56.00 -27.34 QP 1.095 13.67 9.95 23.62 46.00 -22.38 Average 1.095 21.64 9.95 31.59 56.00 -24.41 QP 1.210 17.25 10.23 27.48 46.00 -18.52 Average 1.210 25.99 10.23 36.22 56.00 -19.78 QP 1.255 18.62 10.33 28.95 46.00 -17.05 Average 1.255 28.59 10.33 38.92 56.00

- 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.







- 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.

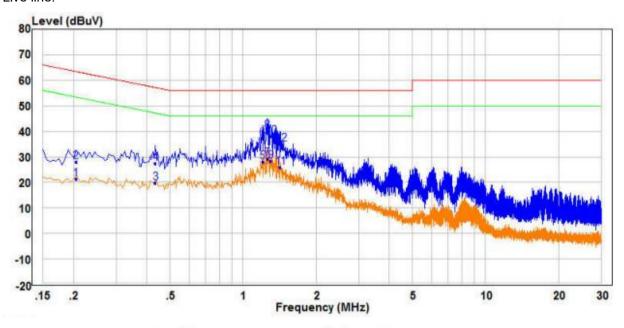




6# Li-ion battery DC 3.85V 350mAh(551925 16)

Measurement Data

Live line:



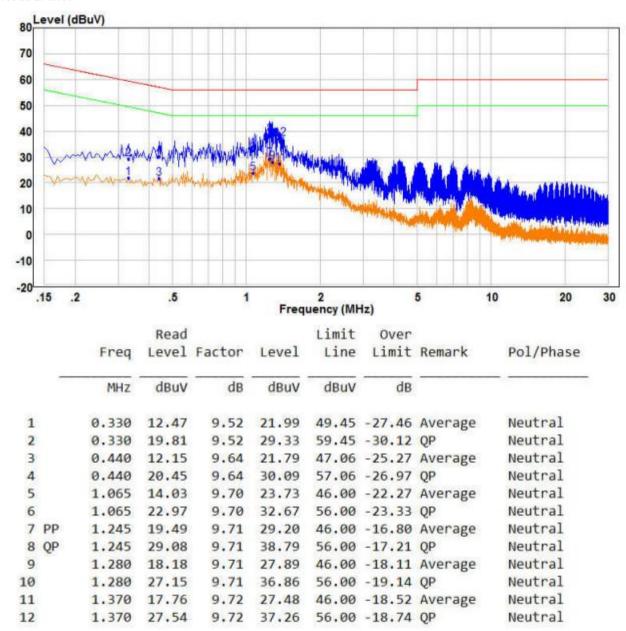
			Read			Limit	Over		
		Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
	-	MHZ	dBuV	dB	dBuV	dBuV	dB		_
1		0.205	11.81	9.61	21.42	53.41	-31.99	Average	Line
2		0.205	18.38	9.61	27.99	63.41	-35.42	QP	Line
2 3 4 5		0.435	10.24	9.64	19.88	47.16	-27.28	Average	Line
4		0.435	17.93	9.64	27.57	57.16	-29.59	QP	Line
5		1.205	17.85	10.22	28.07	46.00	-17.93	Average	Line
6		1.205	26.96	10.22	37.18	56.00	-18.82	QP	Line
7	AV	1.260	18.91	10.34	29.25	46.00	-16.75	Average	Line
8	PP	1.260	29.75	10.34	40.09	56.00	-15.91	QP	Line
9		1.300	17.77	10.44	28.21	46.00	-17.79	Average	Line
10		1.300	27.68	10.44	38.12	56.00	-17.88	QP	Line
11		1.425	15.30	10.69	25.99	46.00	-20.01	Average	Line
12		1.425	24.31	10.69	35.00	56.00	-21.00	QP	Line

- 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.





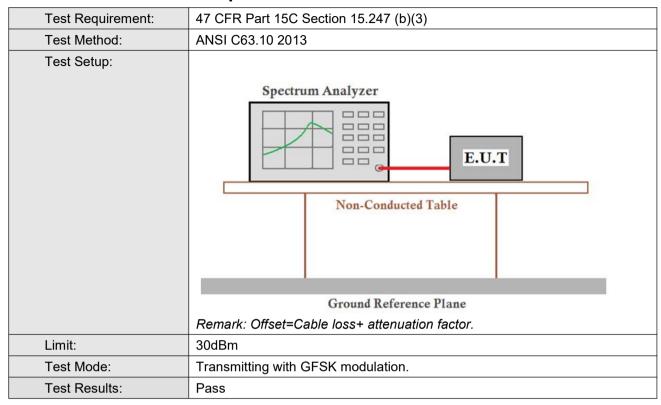
Neutral line:



- 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



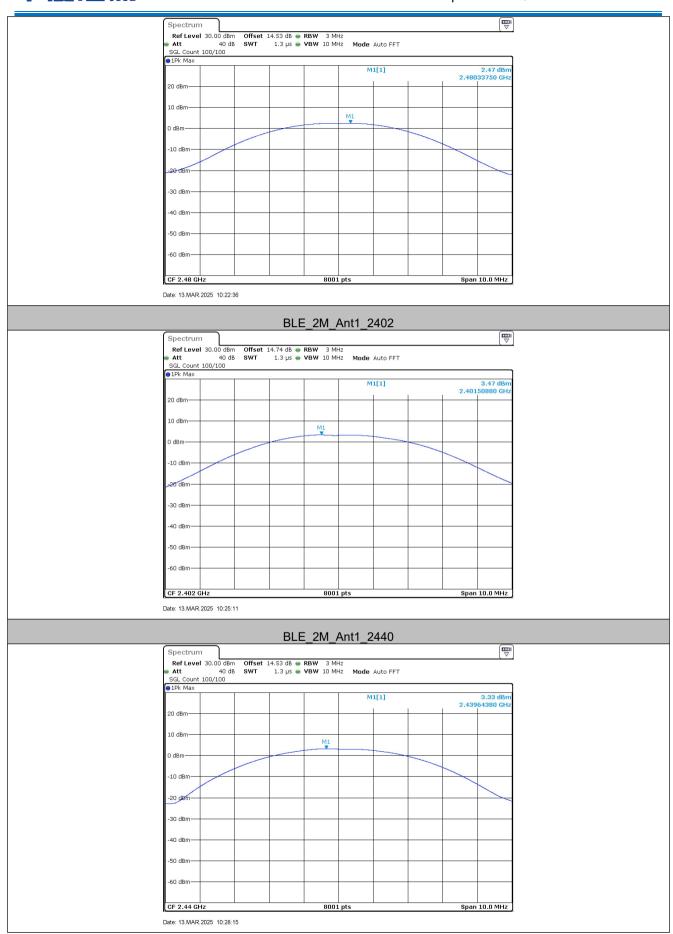
Measurement Data

	GFSK mode (1Mbps)							
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result					
Lowest	3.61	30.00	Pass					
Middle	3.64	30.00	Pass					
Highest	2.47	30.00	Pass					
	GFSK mode (2I	Mbps)						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result					
Lowest	3.47	30.00	Pass					
Middle	3.33	30.00	Pass					
Highest	2.29	30.00	Pass					

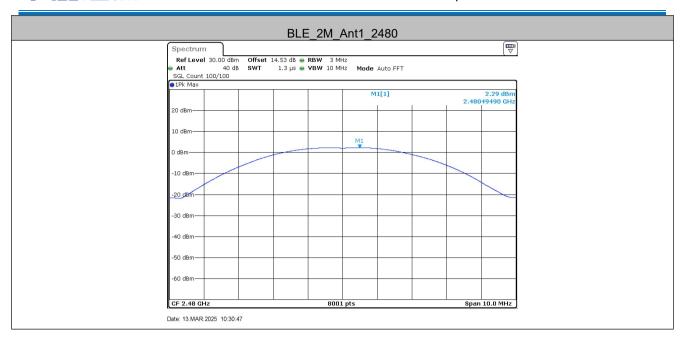






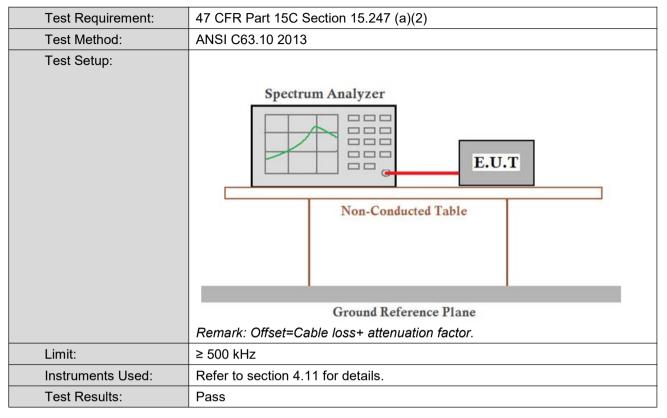








5.4 6dB Occupy Bandwidth



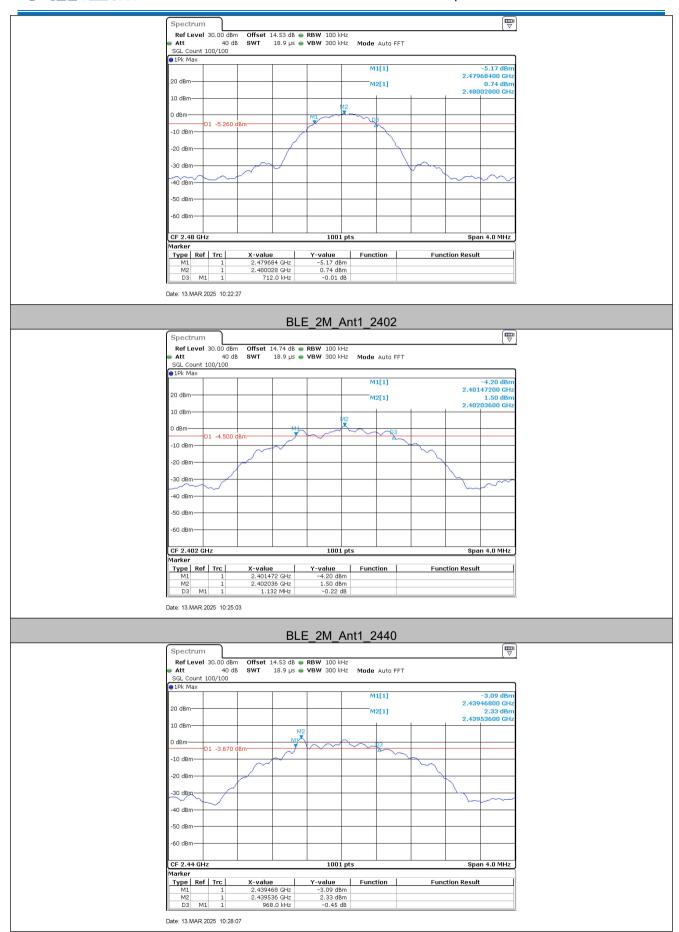
Measurement Data

GFSK mode (1Mbps)								
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result					
Lowest	0.75	≥500	Pass					
Middle	0.73	≥500	Pass					
Highest	0.71	≥500	Pass					
	GFSK mode (2Mbps)							
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result					
Lowest	1.13	≥500	Pass					
Middle	0.97	≥500	Pass					
Highest	0.98	≥500	Pass					







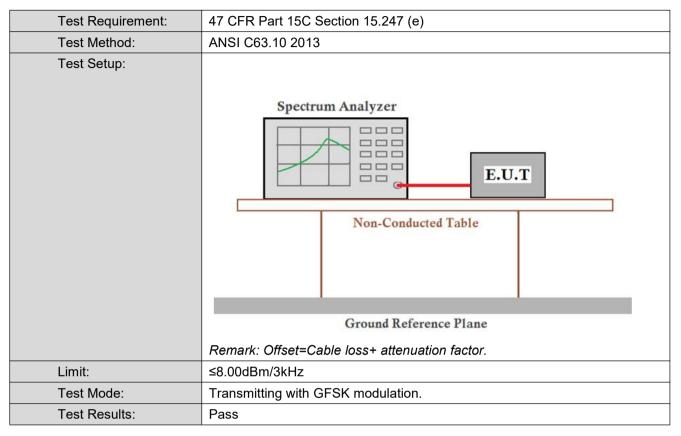








5.5 Power Spectral Density

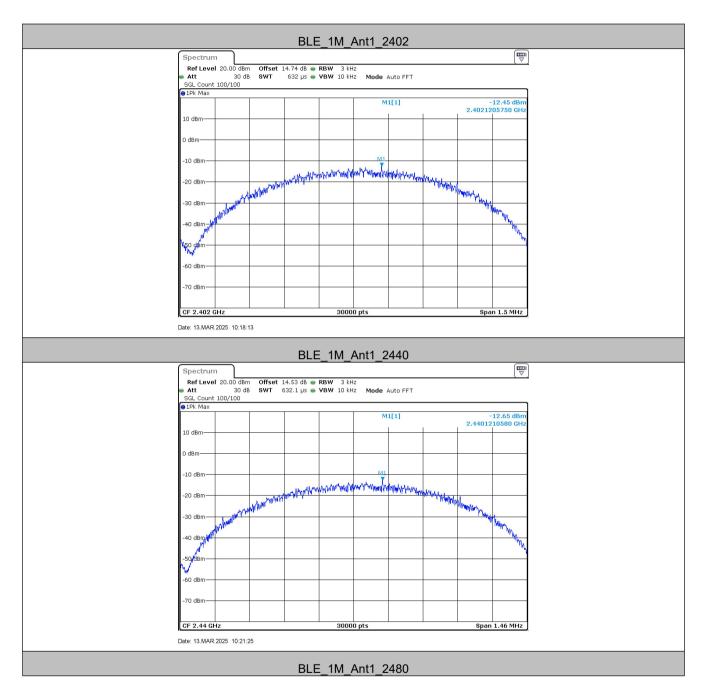


Measurement Data

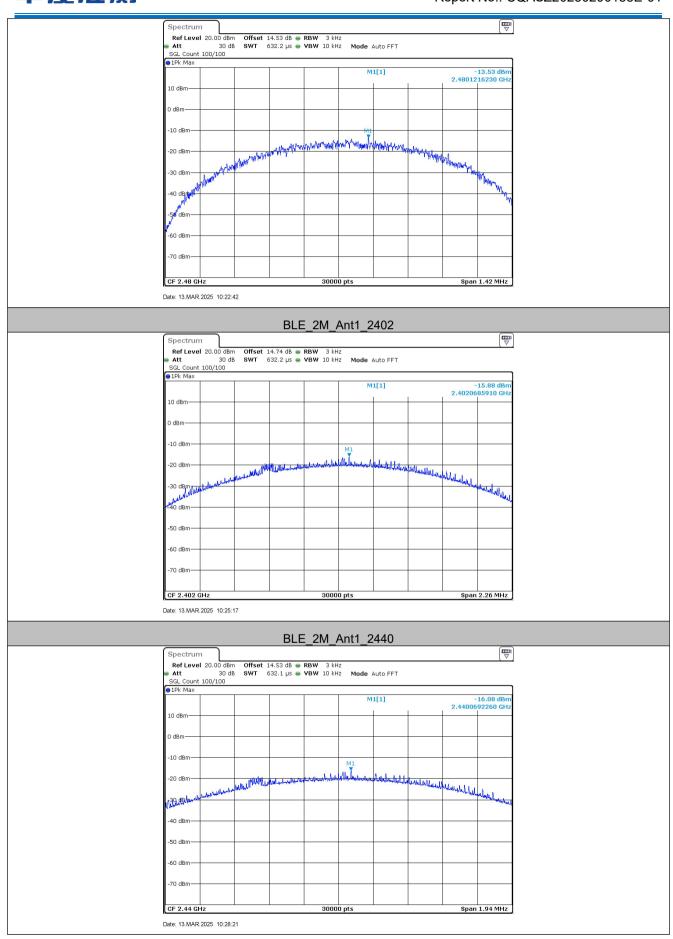
Mcasarcinent Bata									
	GFSK mode (1Mbps)								
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result						
Lowest	-12.45	≤8.00	Pass						
Middle	-12.65	≤8.00	Pass						
Highest	-13.53	≤8.00	Pass						
	GFSK mode (2Mbps)								
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result						
Lowest	-15.88	≤8.00	Pass						
Middle	-16.08	≤8.00	Pass						
Highest	-16.87	≤8.00	Pass						



Test plot as follows:





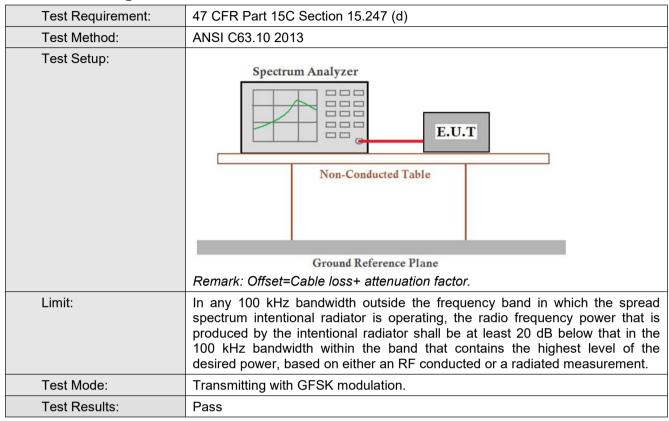








5.6 Band-edge for RF Conducted Emissions

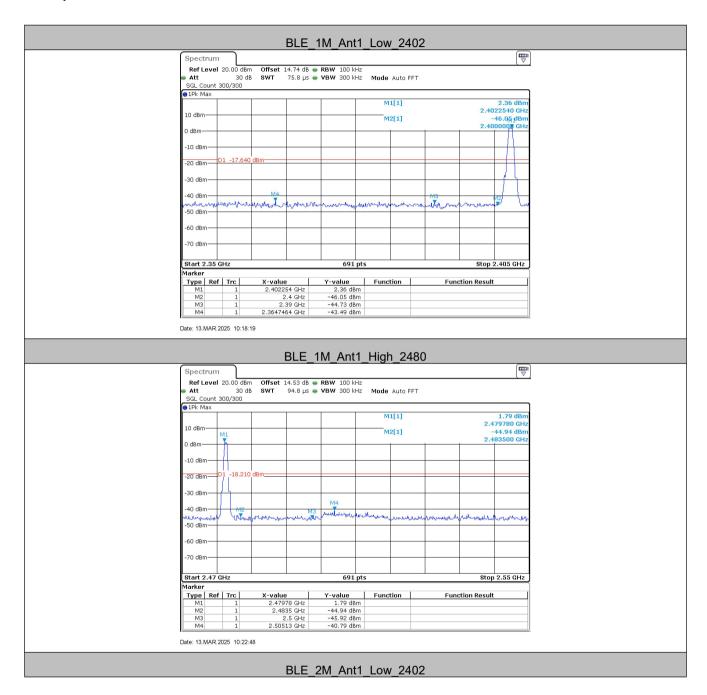


TestMode	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
	Low	2402	2.36	-43.49	≤-17.64	PASS
BLE_1M	High	2480	1.79	-40.79	≤-18.21	PASS
	Low	2402	2.49	-36.04	≤-17.51	PASS
BLE_2M	High	2480	1.40	-41.96	≤-18.6	PASS

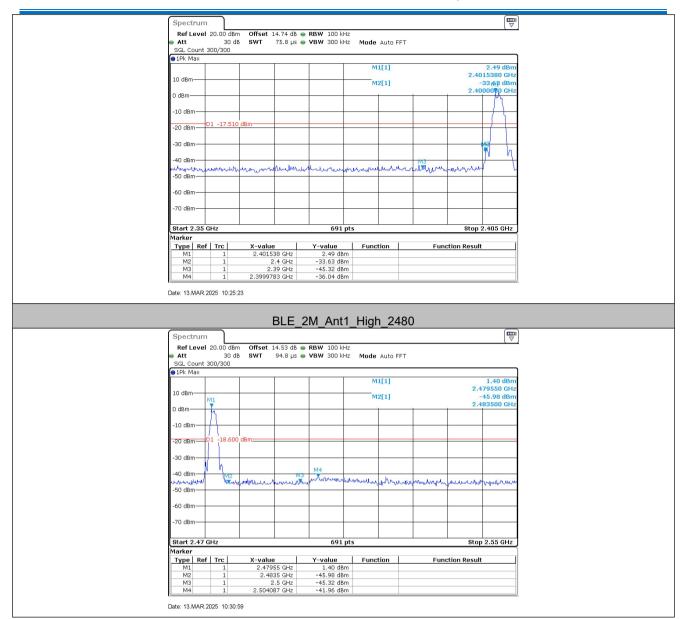


Report No.: CQASZ20250200188E-01

Test plot as follows:











5.7 Spurious RF Conducted Emissions

