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

Test Report

Report No. : Applicant: Address of Applicant:	CQASZ20241102381E-01 Shenzhen DO Intelligent Technology Co., Ltd 11th Floor, 3# Building, Guole Tech Park, Lirong Road, Dalang, Longhua District, Shenzhen, China
Equipment Under Test (E	UT):
Product: Model No.:	Smart Watch IDW26-FY, verfit watch 01
Test Model No.: Brand Name: FCC ID:	verfit watch 01 VERFIT 2AHFT865
Standards:	47 CFR Part 15, Subpart C KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013
Date of Receipt: Date of Test: Date of Issue:	ANSI C63.10:2013 2024-11-13 2024-11-13 to 2024-11-18 2024-12-26
Test Result :	PASS*

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

Tested By:	lewis zhou	
	(Lewis Zhou)	
Reviewed By:	Timo Loj'	
······································	(Timo Lei)	
Approved By:	James	
	(Jack Ai)	



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20241102381E-01	Rev.01	Initial report	2024-12-26

Note:

The difference between product #1 and product #2 is that the motor model, screen model, speaker model is different including having different motor supplier, screen supplier, speaker supplier. The key differences are the appearance and the model number. These changes do not affect RF performance.



2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15.203	/	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 15.247	ANSI C63.10-2013	PASS
20dB Occupied Bandwidth	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Carrier Frequencies Separation	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Hopping Channel Number	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Dwell Time	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Pseudorandom Frequency Hopping Sequence	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15.247	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application



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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.:	IDW26-FY, verfit watch 01
Test Model No.:	verfit watch 01
Trade Mark:	VERFIT
Software Version:	V1.1.1
Hardware Version:	V1.0
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V5.3
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Product Type:	□ Mobile □ Portable □ Fix Location
Test Software of EUT:	FCC_V2.24
Antenna Type:	FPC antenna
Antenna Gain:	Main control chip:-3.1dBi Findmy chip:-1.1dBi
Power Supply:	Li-ion battery: DC 3.8V 300mAh, Charge by DC 5V for adapter
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.
	Simultaneous TX is not supported.



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

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	2441MHz
The Highest channel	2480MHz



4.3 Additional Instructions

EUT Test Software So	ettings:		
Mode:	 Special software is used. Through engineering command into the engineering mode. engineering command: *#*#3646633#*#* 		
EUT Power level:	(Power level is built-in set parameters and cannot be changed and selected)		
Use test software to set the I transmitting of the EUT.	owest frequency, the middle frequency and	d the highest frequency keep	
Mode	Channel Frequency(MHz)		
	СН0	2402	
DH1/DH3/DH5	CH39	2441	
	CH78	2480	
	СН0	2402	
2DH1/2DH3/2DH5	CH39	2441	
	CH78	2480	
	СН0	2402	
3DH1/3DH3/3DH5	СН39	2441	
	CH78	2480	

Run Software:

CACTIONS BT FCC T	ool V2.24	? ×
SOLUTION ATS3085	COM COM7 - 115200 -	BQB Mode
RF Channel 0 🗸	Hopping Mode	Normal_R - fixed -
Packet Type DH5 🗸 🗸	Paylos	ad Type PRBS9 -
TX Gain Index 6 👻	RX Gair	n Index 0 🗸
Access Code Ox AbDdE341258888	DA BB	GC Mode
Continue IX Single I	one Stop Packet R	X Hopping TX
1开始ContinueTX测试(Chan: 0 Pac 1结束ContinueTX测试,持续1.0秒	ket:DH5 Payload:PRBS9 TxGain:0)
1开始ContinueTX测试(Chan: 0 Pac	ket:DH5 Payload:PRBS9 TxGain:6)



4.4 Test Environment

Operating Environment	Operating Environment:				
Temperature:	25 °C				
Humidity:	54% 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.

Description	Manufacturer	Model No.	Remark	Supplied
Adapter	MI	1	1	CQA



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.

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°C
11	Humidity test	2.0%
12	Supply voltages	0.5 %
13	Frequency Error	5.5 Hz

Hereafter the best measurement capability for CQA laboratory is reported:



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

The test facility is recognized, certified, or accredited by the following organizations: **IC Registration No.: 22984-1**

The 3m Semi-anechoic chamber of Shenzhen Huaxia Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

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

CNAS (No. CNAS L5785)

CNAS has accredited Shenzhen Huaxia Testing Technology Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• 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 Abnormalities from Standard Conditions

None.

4.10 Other Information Requested by the Customer

None.



4.11 Equipment List

Test Equipment	Manufacturar	Madal Na	Instrument	Calibration	Calibration
Test Equipment EMI Test Receiver	Manufacturer R&S	Model No. ESR7	No. CQA-005	Date 2024/9/2	Due Date 2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-005 CQA-038	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU40 AFS4-00010300-18-	CQA-075	2024/9/2	2025/9/1
Preamplifier	MITEQ	10P-4	CQA-035	2024/9/2	2025/9/1
		AMF-6D-02001800-			
Preamplifier	MITEQ	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
		PWD-2533-02-SMA-			
Power divider	MIDWEST	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

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 FPC antenna.

The connection/connection type between the antenna to the EUT's antenna port is: unique coupling.

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





5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207						
Test Method:	ANSI C63.10: 2013						
Test Frequency Range:	e: 150kHz to 30MHz						
Limit:		Limit (c	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 logarithn	n of the frequency.					
Test Setup:	 5-30 00 30 30 30 30 30 30 30 30 30 30 30 3						
Test Setup:	Shielding Room	AE UISN2 + AC Ma Ground Reference Plane	Test Receiver				



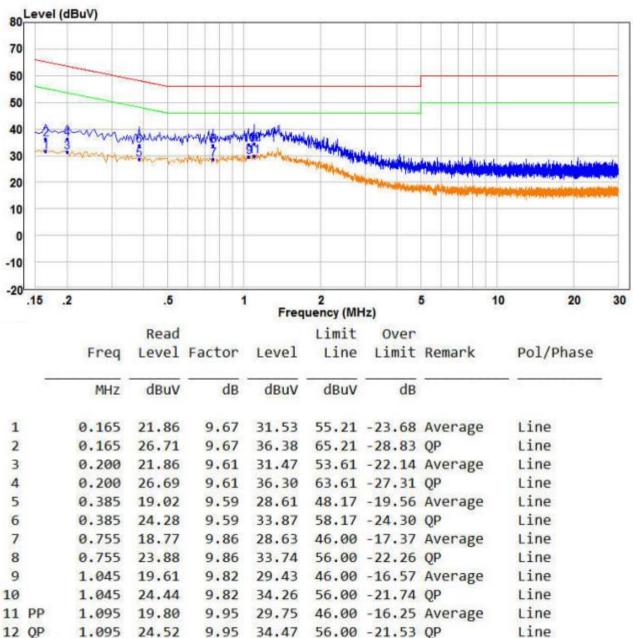
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of
	data type at the lowest, middle, high channel.
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation at the lowest channel is the worst case. Only the worst case is recorded in the report.
	Only the worst case is recorded in the report.
Test Voltage:	AC 120V/60Hz
Test Results:	Pass



1#

Measurement Data





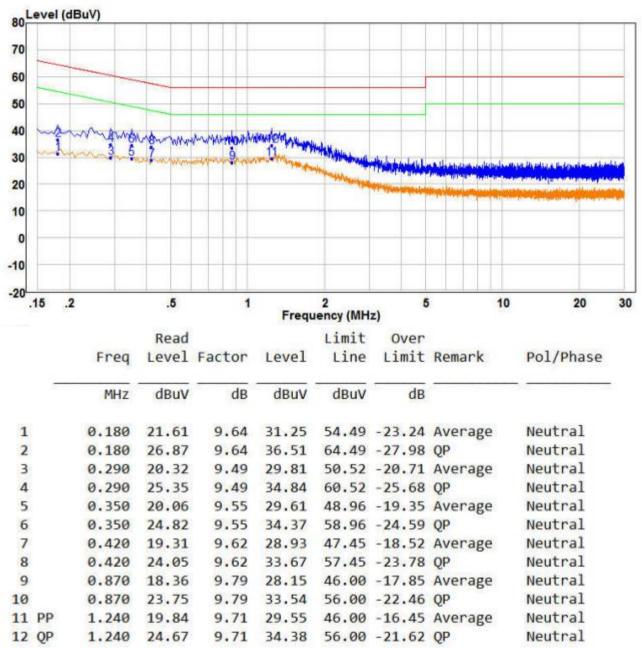
Remark:

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

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



Neutral line:



Remark:

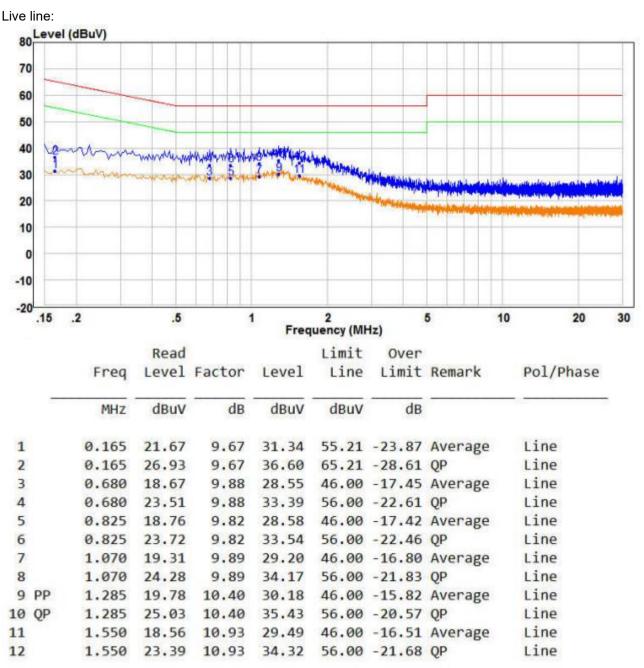
1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



2#

Measurement Data



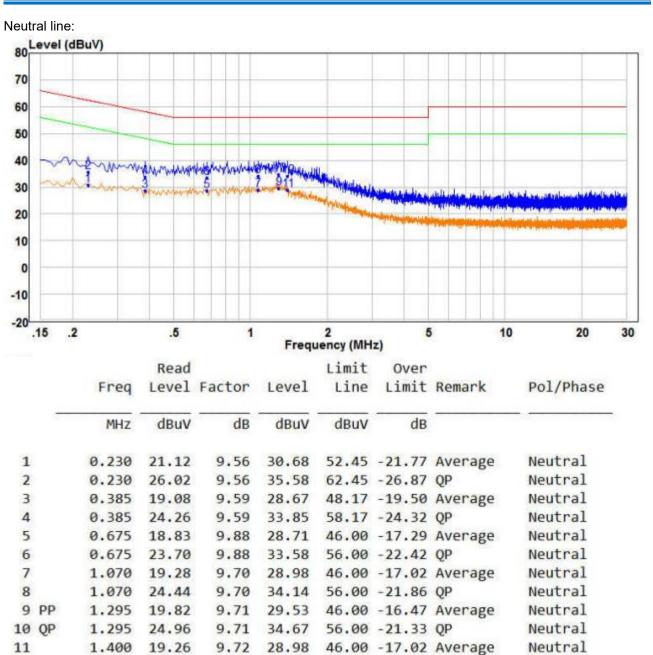
Remark:

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

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



Neutral



34.00 56.00 -22.00 QP

Remark:

1.400

12

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

9.72

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

24.28



5.3 Conducted Peak Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)					
Test Method:	ANSI C63.10:2013					
Test Setup:	Setup for Power meter measurement method					
	EUT Power Meter					
	Setup for Spectrum analyser measurement method					
	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
	Remark: Offset=Cable loss+ attenuation factor.					
Limit:	21dBm					
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type					
Final Test Mode:	Only the worst case is recorded in the report.					
Test Results:	Pass					

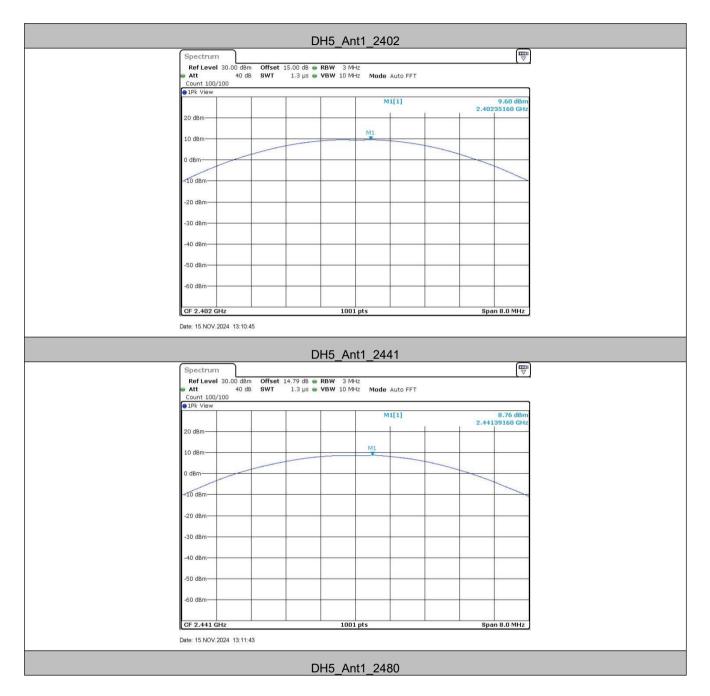


Measurement Data

GFSK mode						
Test channel	l Peak Output Power (dBm) Limit (dBm)		Result			
Lowest	9.6	21.00	Pass			
Middle	8.76	21.00	Pass			
Highest	9.19	21.00	Pass			
	π/4DQPSK m	ode				
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result			
Lowest	9.71	21.00	Pass			
Middle	8.77	21.00	Pass			
Highest	9.05	21.00	Pass			
	8DPSK mod	le				
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result			
Lowest	9.62	21.00	Pass			
Middle	8.67	21.00	Pass			
Highest	9.13	21.00	Pass			

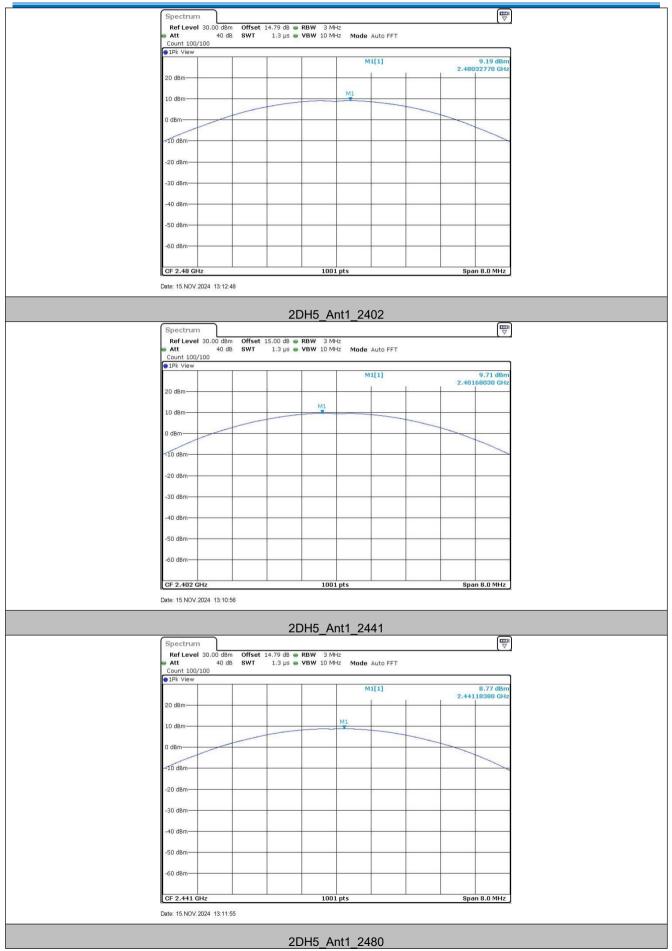


Test plot as follows:

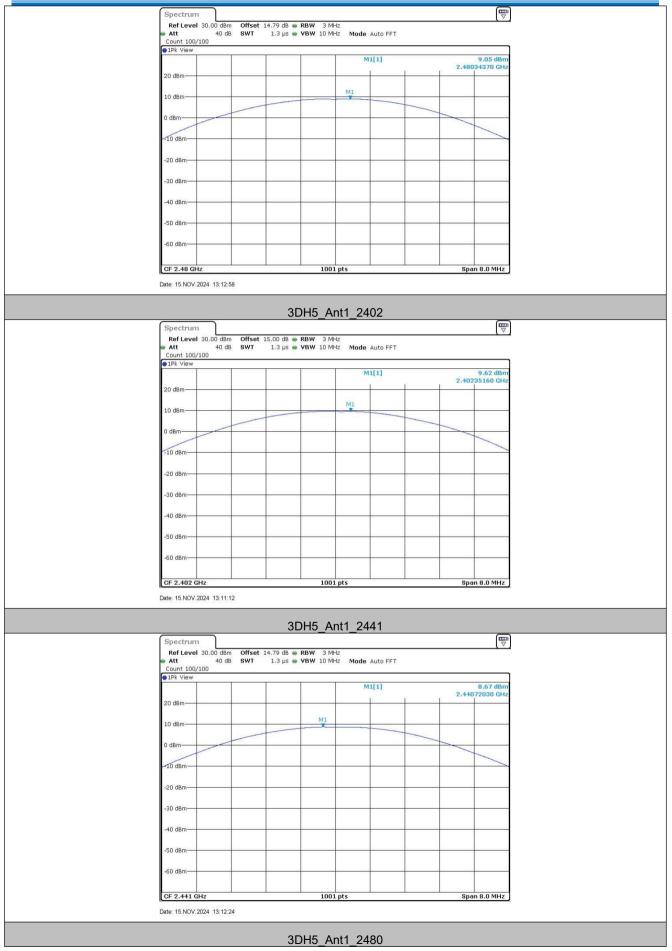










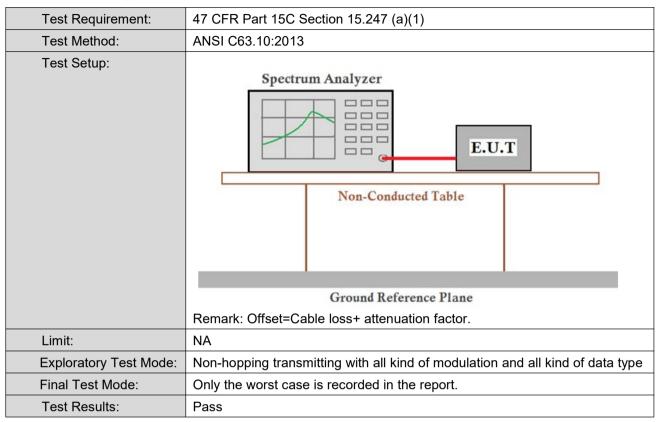




Ref Level 30.00 d Att 40	dB SWT 1			Auto FET		
Count 100/100	00 0111 1	µ3 • 10 1	10000	AUTOFFI		
1Pk View						
				M1[1]	 9.13 dBm 2.47967230 GHz	
20 dBm	-			-	 	
			M1			
10 dBm-			-			
0 dBm						
-10 dBm-						
-20 dBm	-				 	
-30 dBm						
-40 dBm	_			_	 	
-50 dBm			-		 	
-60 dBm						
CF 2.48 GHz			1001 pts		Span 8.0 MHz	



5.4 20dB Occupied Bandwidth

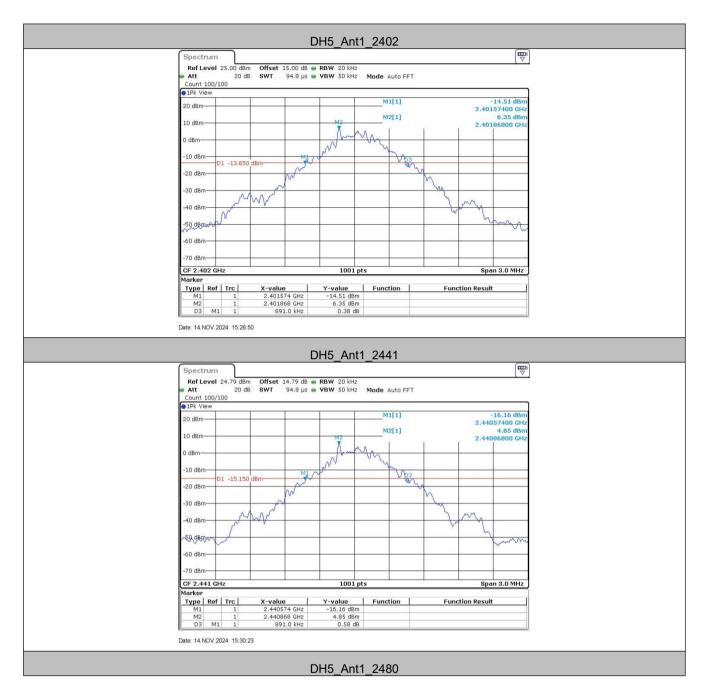


Measurement Data

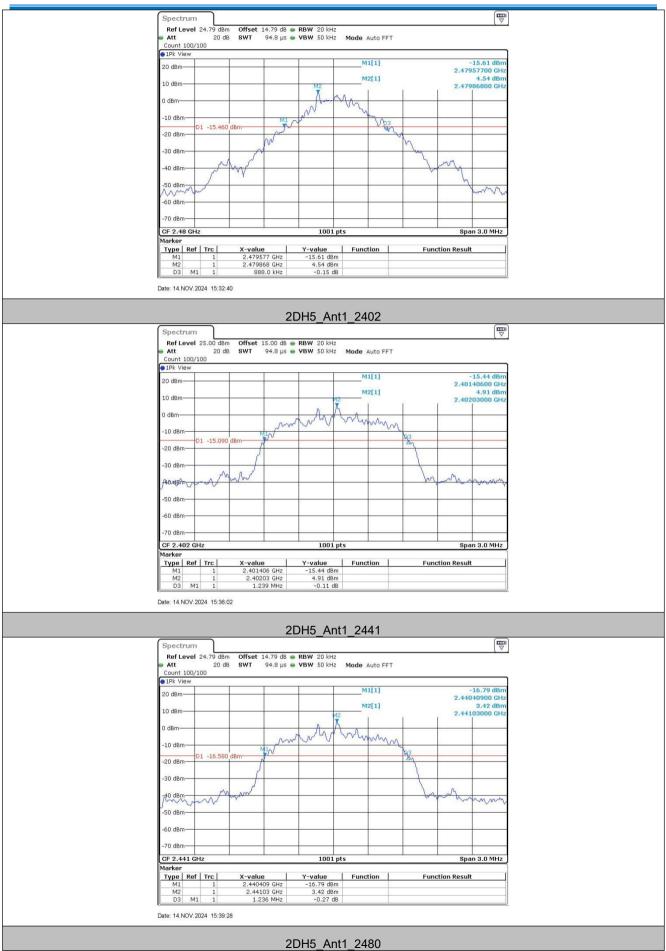
Test channel	20dB Occupy Bandwidth (MHz)					
rest channel	GFSK π/4DQPSK 8DPSK					
Lowest	0.89	1.24	1.24			
Middle	0.89	1.24	1.23			
Highest	0.89	1.23	1.23			



Test plot as follows:











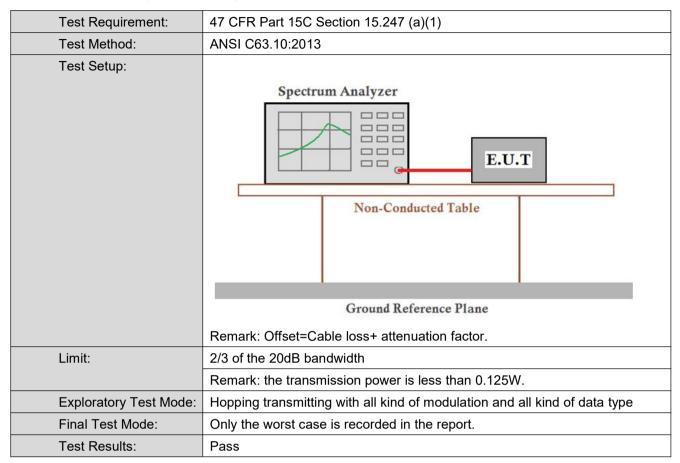








5.5 Carrier Frequencies Separation





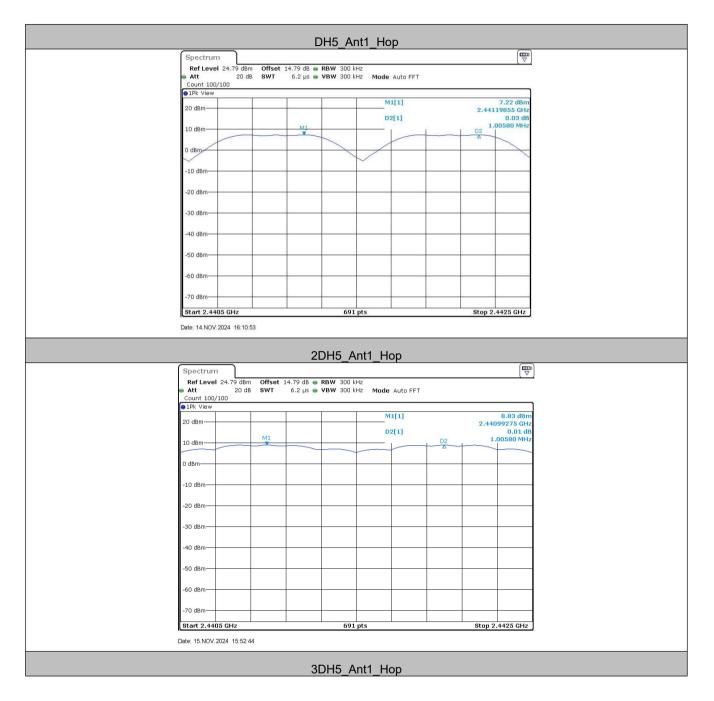
Measurement Data

TestMode	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Нор	1.006	≥0.593	PASS
2DH5	Нор	1.006	≥0.890	PASS
3DH5	Нор	1.003	≥0.870	PASS

Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)
GFSK	0.89	≥0.593
π/4DQPSK	1.24	≥0.890
8DPSK	1.24	≥0.870



Test plot as follows:





Spectrum								
Ref Level 24.79 dB	m Offset 14.79 dB 🖷 IB SWT 6.2 µs 🖷		Mode Auto FFT		(*			
1Pk View	Prk View							
20 dBm	M1		M1[1] D2[1]		8.84 dBm 2.44099275 GHz -0.04 dB 1.00290 MHz			
10 dBm			_		1.002.90 MITE			
0 dBm								
-10 dBm								
-20 dBm								
-30 dBm								
-40 dBm								
-50 dBm								
-60 dBm								
Start 2.4405 GHz		691 pts			Stop 2.4425 GHz			
Date: 15.NOV.2024 15:57:	:08							



5.6 Hopping Channel Number

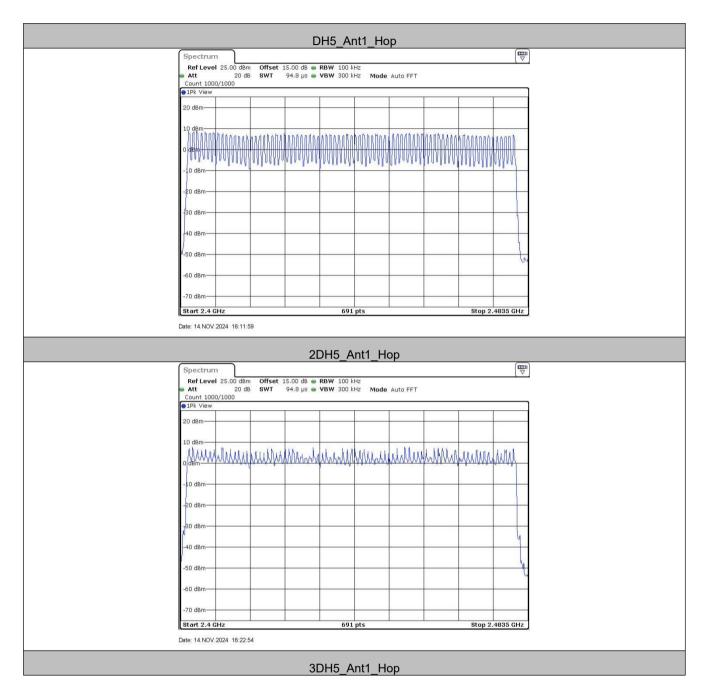
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)		
Test Method:			
	ANSI C63.10:2013		
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset=Cable loss+ attenuation factor.		
Limit:	At least 15 channels		
Exploratory Test Mode:	hopping transmitting with all kind of modulation and all kind of data type		
Final Test Mode:	Only the worst case is recorded in the report.		
Test Results:	Pass		

Measurement Data

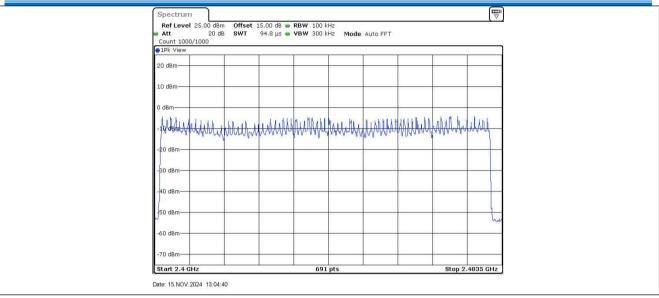
Mode	Hopping channel numbers	Limit
GFSK	79	≥15
π/4DQPSK	79	≥15
8DPSK	79	≥15



Test plot as follows:









5.7 Dwell Time

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)						
Test Method:	ANSI C63.10:2013						
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table						
	Ground Reference Plane						
	Remark: Offset=Cable loss+ attenuation factor.						
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.						
Limit:	0.4 Second						
Test Results:	Pass						



Measurement Data

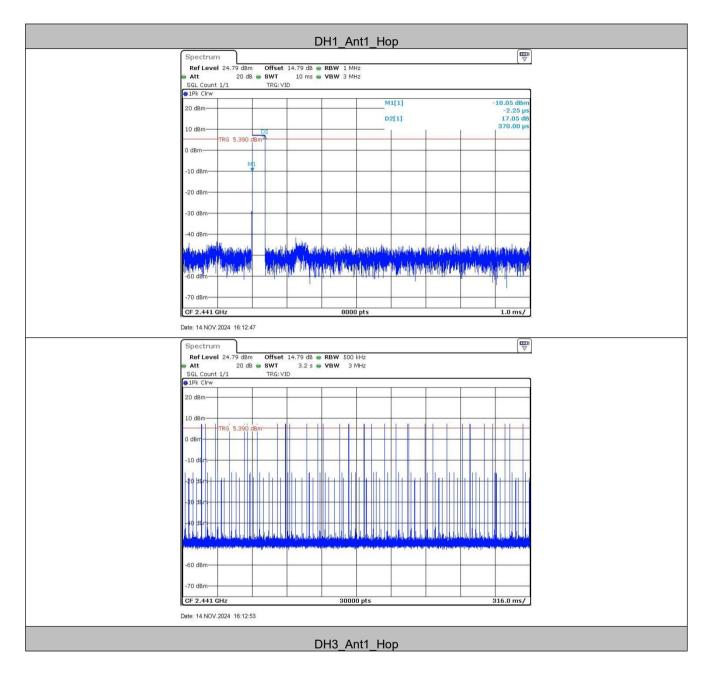
TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Нор	0.370	320	0.118	≤0.4	PASS
DH3	Нор	1.609	170	0.274	≤0.4	PASS
DH5	Нор	2.850	120	0.342	≤0.4	PASS
2DH1	Нор	0.376	330	0.124	≤0.4	PASS
2DH3	Нор	1.621	170	0.276	≤0.4	PASS
2DH5	Нор	2.862	120	0.343	≤0.4	PASS
3DH1	Нор	0.378	320	0.121	≤0.4	PASS
3DH3	Нор	1.619	160	0.259	≤0.4	PASS
3DH5	Нор	2.863	110	0.315	≤0.4	PASS

Remark:

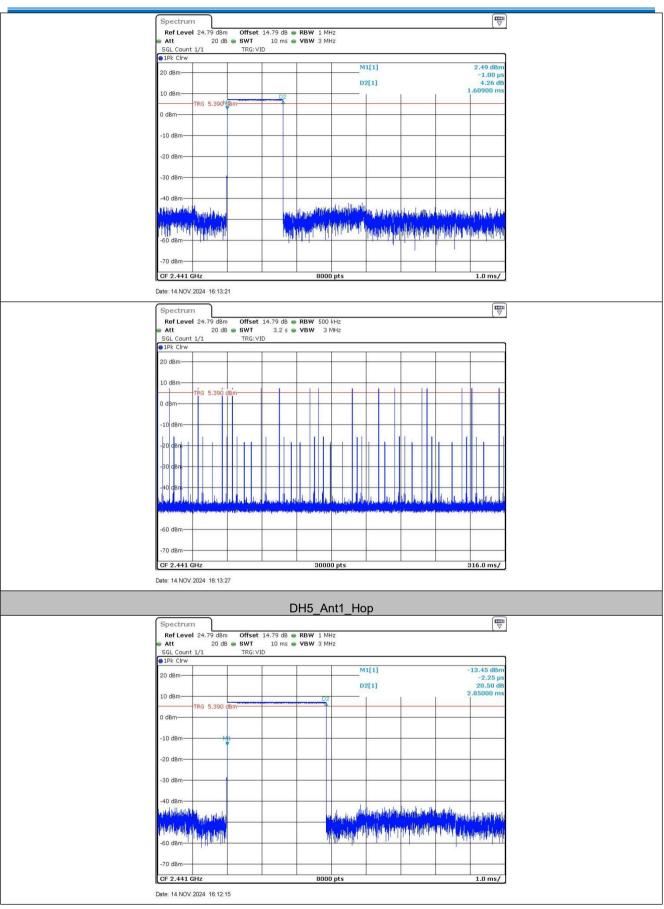
The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s



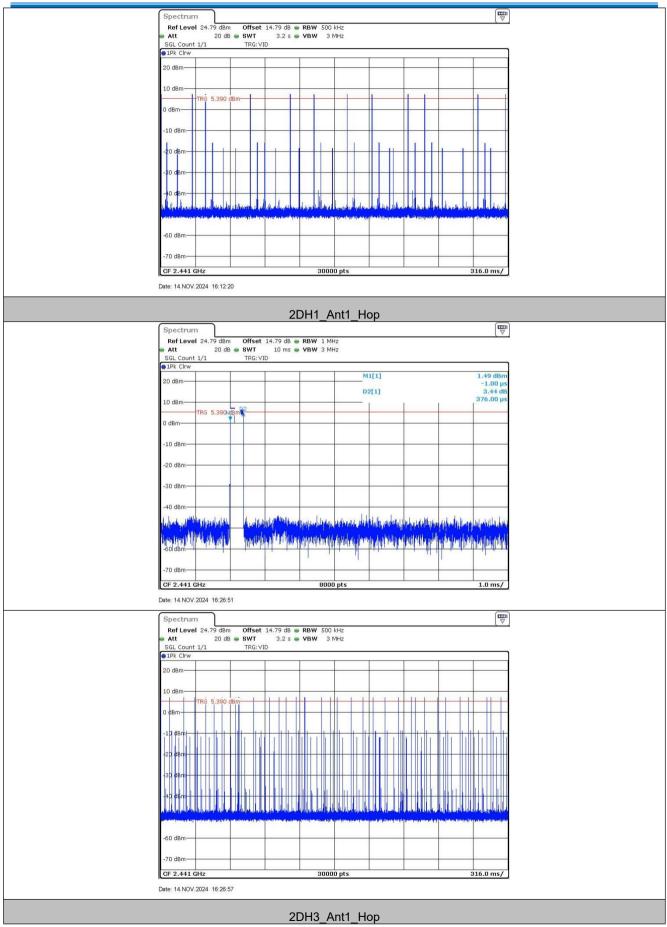
Test plot as follows:



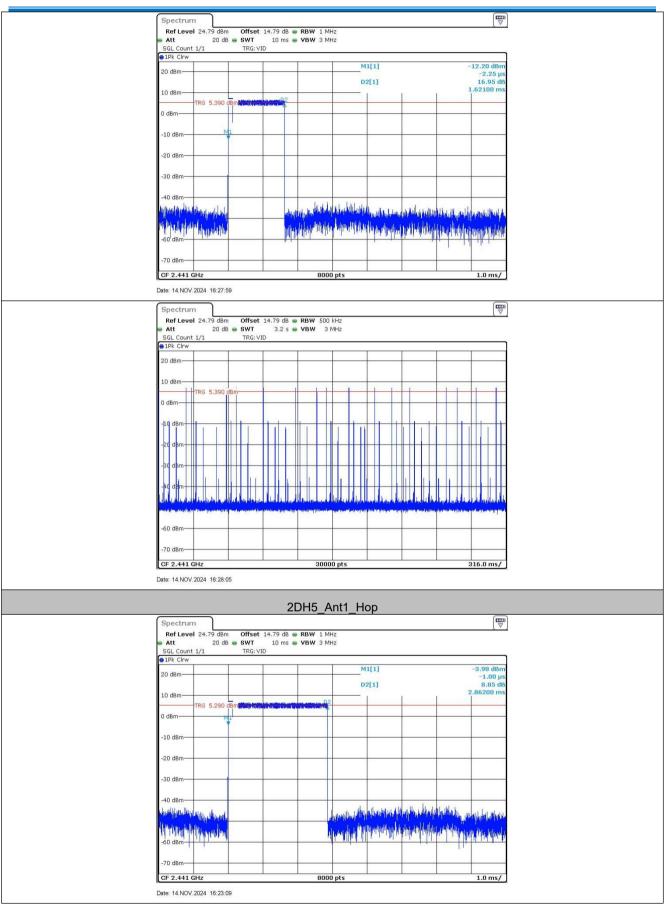




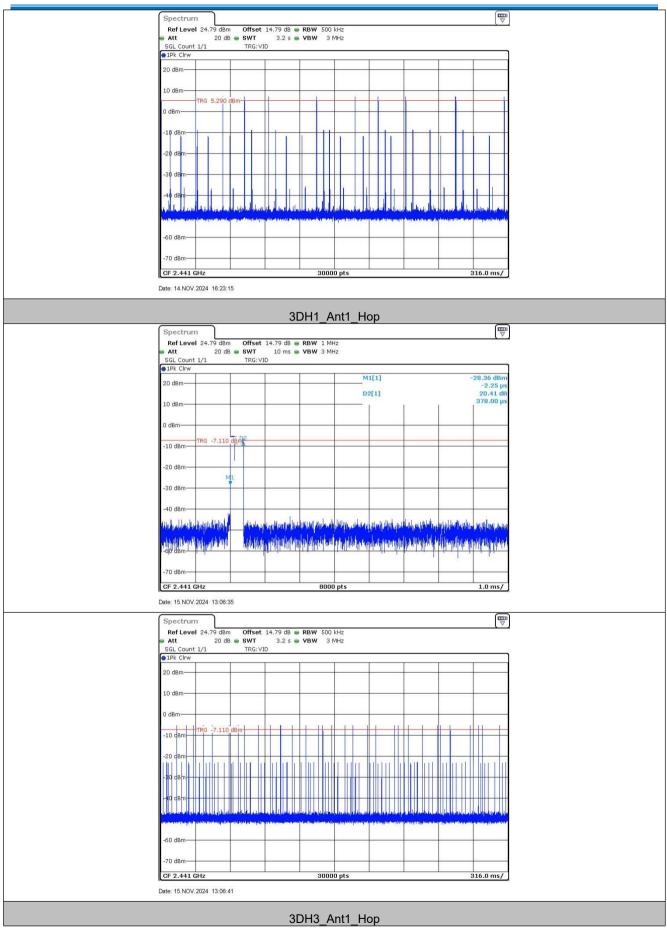






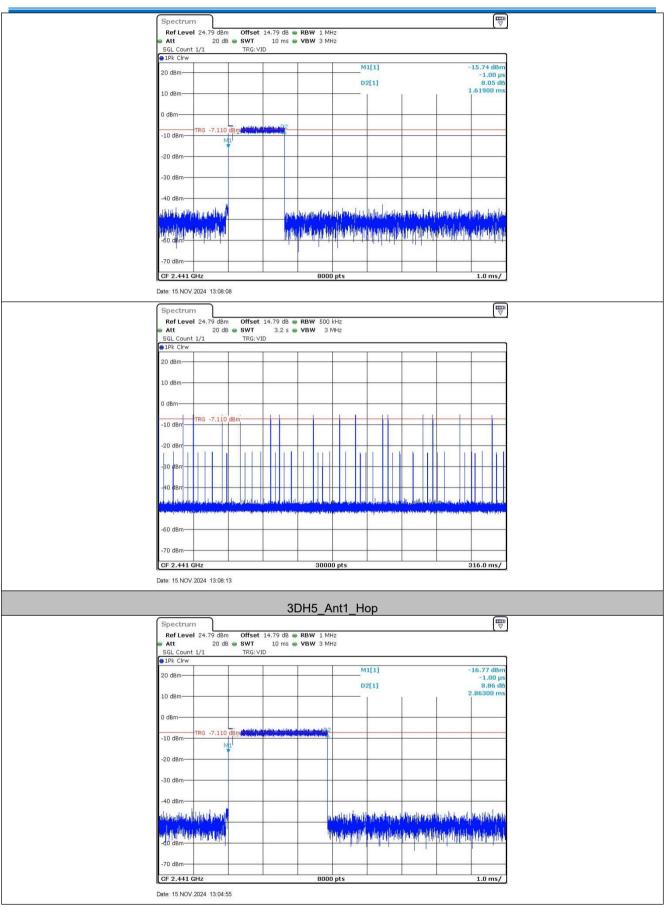




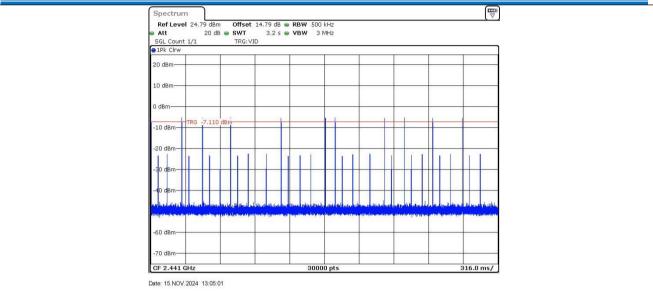














5.8 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)							
Test Method:	ANSI C63.10:2013							
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset=cable loss+ attenuation factor.							
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.							
Exploratory Test Mode:	Hopping and Non-hopping transmitting with all kind of modulation and all kind of data type							
Final Test Mode:	Only the worst case is recorded in the report.							
Test Results:	Pass							

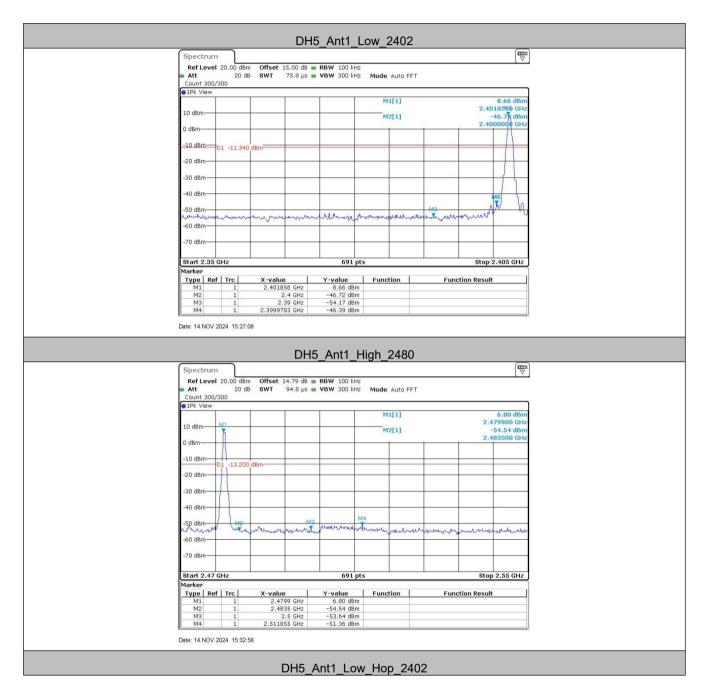


Measurement Data

TestMode	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
	Low	2402	8.66	-46.39	≤-11.34	PASS
	High	2480	6.80	-51.36	≤-13.2	PASS
DH5	Low	Hop_2402	8.42	-51.66	≤-11.58	PASS
	High		6.74	-50.72	≤-13.26	PASS
2DH5 Low Low High	2402	8.58	-46.91	≤-11.42	PASS	
	High	2480	6.20	-50.28	≤-13.8	PASS
	Low	Hop_2402	4.91	-52.44	≤-15.09	PASS
	High	Hop_2480	6.76	-51.1	≤-13.24	PASS
	Low	2402	8.71	-45.75	≤-11.29	PASS
	High	2480	6.85	-50.84	≤-13.15	PASS
3DH5	Low	Hop_2402	-5.35	-52.34	≤-25.35	PASS
	High	Hop_2480	5.62	-50.29	≤-14.38	PASS



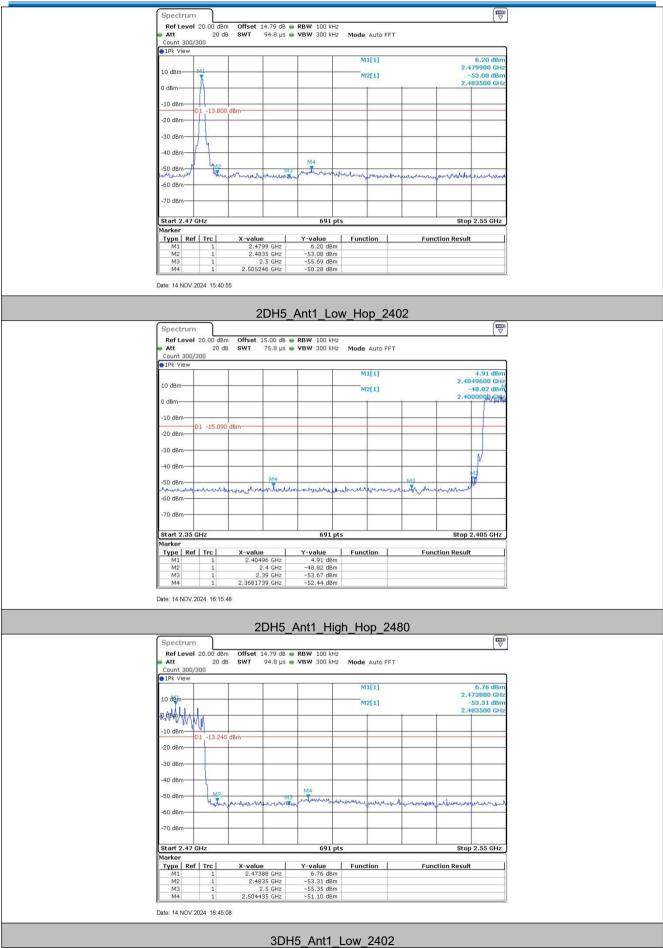
Test plot as follows:



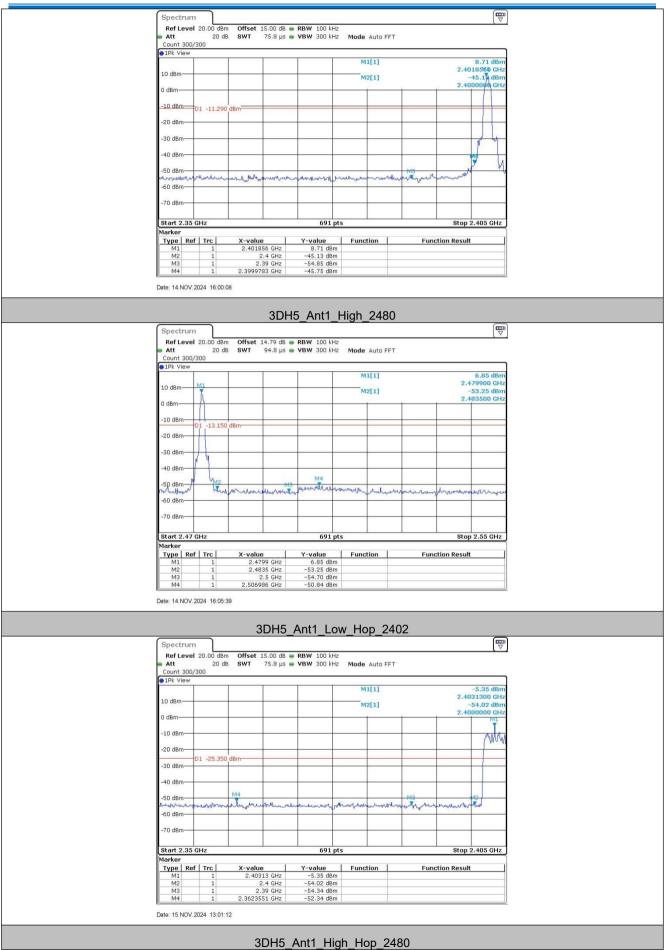














Ref L	evel 2	0.00 dBr	Offset 14	.79 dB	RBW 100 kHz	S				[
🖷 Att		20 di			• VBW 300 kHz		to FFT			
Count		0			-					
⊖1Pk Vi	e₩									
						M1[1	1			5.62 dBn
10 d9m	_					-				474110 GH
T			1 1			M2[1	1			-53.82 dBm
R Add			├ ──┤					1	2.4	483500 GH2
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-10 dBm		1			-			-		-
		-14.380	dBm					-		
-20 dBm	1-				-					-
-30 dBm	1	1								
-40 dBm		1	1 1							
-40 UBN										
-50 dBm		M2			M4					
00 001		harton	moundance	Ma	wanter wo	valuan	megor	furname	moura	menum
-60 dBm		2.1%		18 B 84 8				1.		
-70 dBm			+ +					+		+
Start 2	.47 GH	lz			691 pt	s		1	Sto	p 2.55 GHz
Marker										
Туре	Ref		X-value		Y-value	Function	1	Fund	tion Resul	t
M1		1	2.4741		5.62 dBm					
M2		1	2.483		-53.82 dBm		_			
M3 M4	-	1	2.50721	5 GHz	-55.77 dBm -50.29 dBm					
M4		1	2.50721	/ GHZ	-50.29 dBm	1				



5.9 Spurious RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)						
Test Method:	ANSI C63.10:2013						
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset=cable loss+ attenuation factor.						
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.						
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type						
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of π /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.						
Test Results:	Pass						



