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

Test Report

Report No. : Applicant: Address of Applicant:	CQASZ20240901999E-01 Ultimea Technology (Shenzhen) Limited 20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Equipment Under Test (E	UT):
Product:	Apollo S90 9.1 Channel Dolby Atmos Detachable Lighting Soundbar, Apollo S90 9.1 Channel Detachable Lighting Soundbar with Dolby Atmos
Model No.:	U3820
Test Model No.:	U3820
Brand Name:	ULTIMEA
FCC ID:	2A9OO-U3820S
Standards:	47 CFR Part 15, Subpart C
	KDB558074 D01 15.247 Meas Guidance v05r02
	ANSI C63.10:2013
Date of Receipt:	2024-09-14
Date of Test:	2024-09-14 to 2024-11-04
Date of Issue:	2024-11-04
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: ______

(Alex Wang)



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
CQASZ20240901999E-01	Rev.01	Initial report	2024-11-04



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:	Ultimea Technology (Shenzhen) Limited			
Address of Applicant:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China			
Manufacturer:	Ultimea Technology (Shenzhen) Limited			
Address of Manufacturer:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China			

4.2 General Description of EUT

Product Name:	Apollo S90 9.1 Channel Dolby Atmos Detachable Lighting Soundbar, Apollo S90 9.1 Channel Detachable Lighting Soundbar with Dolby Atmos	
Model No.:	U3820	
Test Model No.:	U3820	
Trade Mark:	ULTIMEA	
Software Version:	0.1	
Hardware Version:	0.1	
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	
Test Software of EUT:	BT-Tool	
Antenna Type:	FPC antenna	
Antenna Gain:	2.64dBi	
Power Supply:	Model:SMS-00180300-S38	
	Input:100-240V~50/60Hz 1.5A	
	Output:18V 3.0A 54W	
Model:FX48U-180300C		
	Input:100-240V~50/60Hz 1.0A	
	Output:18V 3.0A 54W	
Simultaneous Transmission	□ Simultaneous TX is supported and evaluated in this report.	
	⊠ Simultaneous TX is not supported.	



Operation F	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 Settings:					
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 low	est frequency, the middle frequency and	the highest frequency keep			
transmitting of the EUT.	1	r			
Mode	Channel	Channel Frequency(MHz)			
	СН0	2402			
DH1/DH3/DH5	CH39	2441			
	CH78	2480			
	СНО	2402			
2DH1/2DH3/2DH5	CH39	2441			
	CH78	2480			
	СН0	2402			
3DH1/3DH3/3DH5	CH39	2441			
	CH78	2480			

Run Software:

est Mode	BT ac	idress		
DUT Test	O 5555	5555555	Run	
F Control				
RF Mode	TX TEST \sim	Packet Type	DH5	~
Hopping	off v	TX Frequency	2441	~
TX Power	6 ~	RX Frequency	2402	÷
Scenario	PRBS Patter	rn		~
DG: FCC to	est mode			



4.4 Test 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
/	/	/	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.

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	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration 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
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2024/9/2	2025/9/1
Antenna Connector	CQA	RFC-01	CQA-080	2024/9/2	2025/9/1
Power Sensor	KEYSIGHT	U2021XA	CQA-30	2024/9/2	2025/9/1
N1918A Power Analysis Manager Power Panel	Agilent	N1918A	CQA-074	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

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)
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

 Conducted Emissio								
Test Requirement:	47 CFR Part 15C Section 15.207							
Test Method:	ANSI C63.10: 2013							
Test Frequency Range:	150kHz to 30MHz							
Limit:		Limit (dBuV)						
	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 Procedure:	 * Decreases with the logarithm of the frequency. 1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50µH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to 							
Test Setup:	Shielding Room	AE UISN2 + AC Ma Ground Reference Plane	Test Receiver					



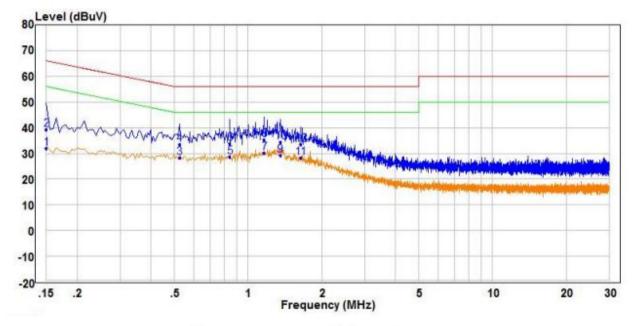
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of
	data type at the lowest, middle, high channel.
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation at the lowest channel is the worst case. Only the worst case is recorded in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



SMS-00180300-S38

Measurement Data

Live line:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
-	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	22.32	9.70	32.02	56.00	-23.98	Average	Line
2	0.150	29.58	9.70	39.28	66.00	-26.72	QP	Line
2 3 4	0.525	18.50	9.72	28.22	46.00	-17.78	Average	Line
4	0.525	23.79	9.72	33.51	56.00	-22.49	QP	Line
5	0.845	18.69	9.80	28.49	46.00	-17.51	Average	Line
6	0.845	24.01	9.80	33.81	56.00	-22.19	QP	Line
7 PP	1.165	19.91	10.13	30.04	46.00	-15.96	Average	Line
8 QP	1.165	25.20	10.13	35.33	56.00	-20.67	QP	Line
9	1.355	18.70	10.55	29.25	46.00	-16.75	Average	Line
10	1.355	23.72	10.55	34.27	56.00	-21.73	QP	Line
11	1.645	17.13	11.09	28.22	46.00	-17.78	Average	Line
12	1.645	22.27	11.09	33.36	56.00	-22.64	QP	Line

Remark:

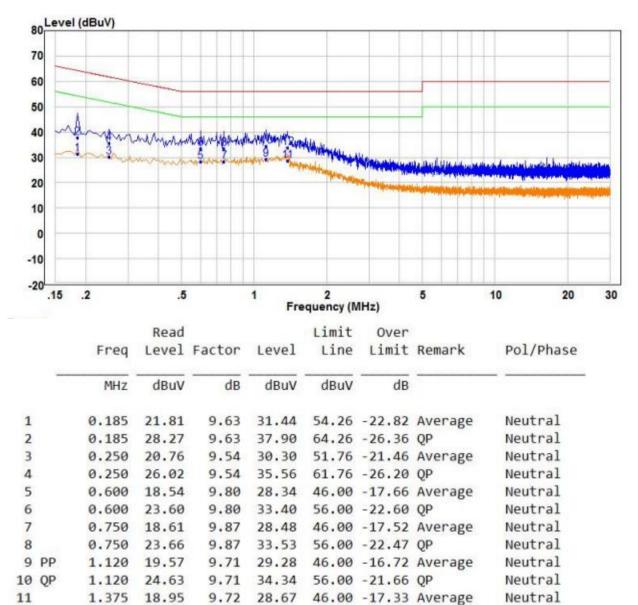
1. The following Quasi-Peak and Average measurements were performed on the EUT:

- 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

Neutral line:



9.72 33.91 56.00 -22.09 QP

Remark:

12

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

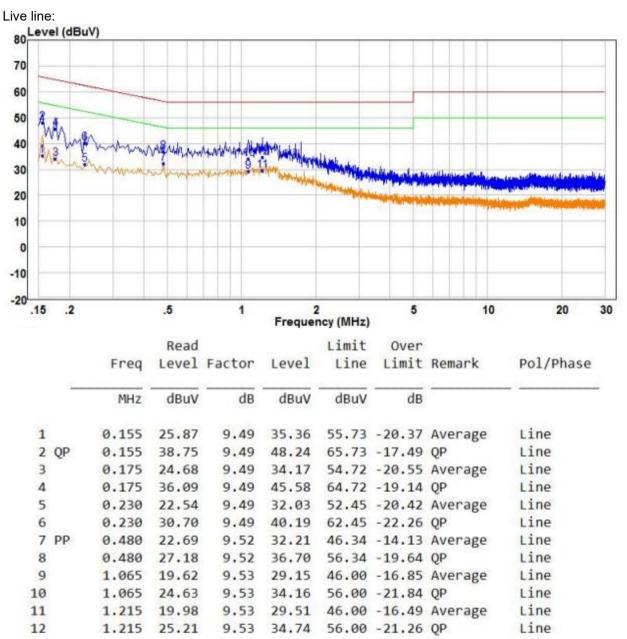
1.375 24.19

3. If the Peak value under Average limit, the Average value is not recorded in the report.



FX48U-180300C

Measurement Data

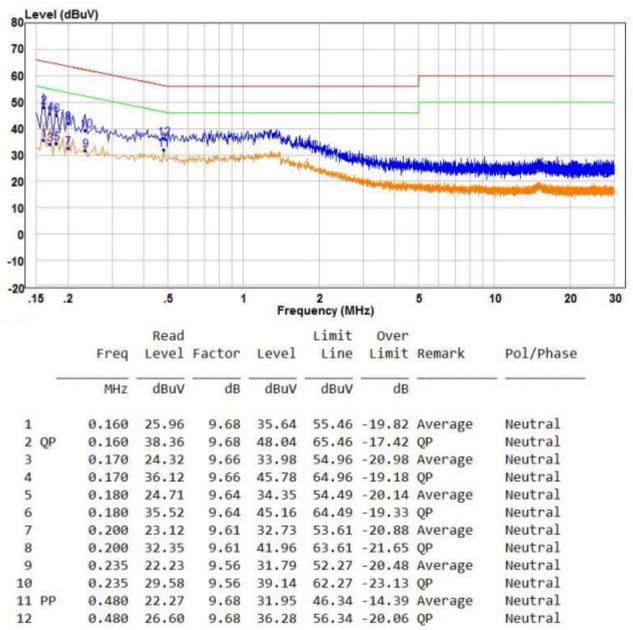


Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 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

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					

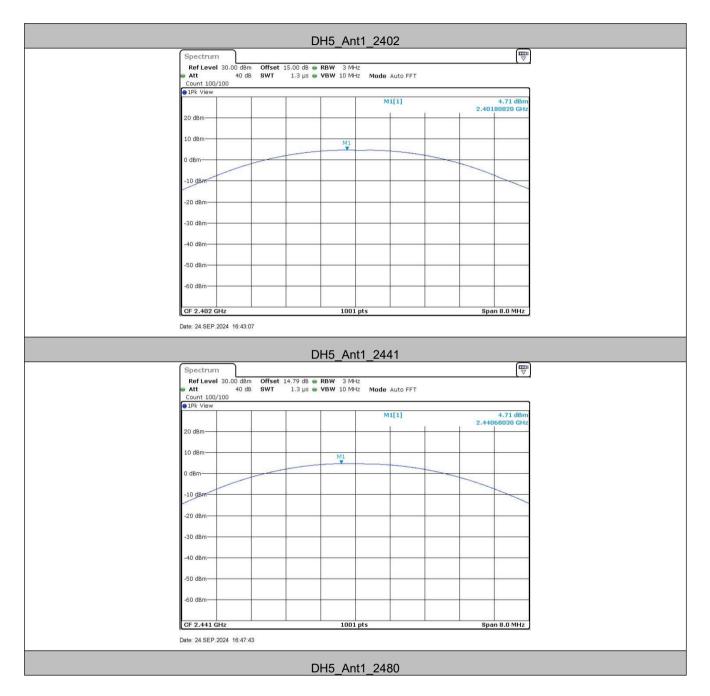


Measurement Data

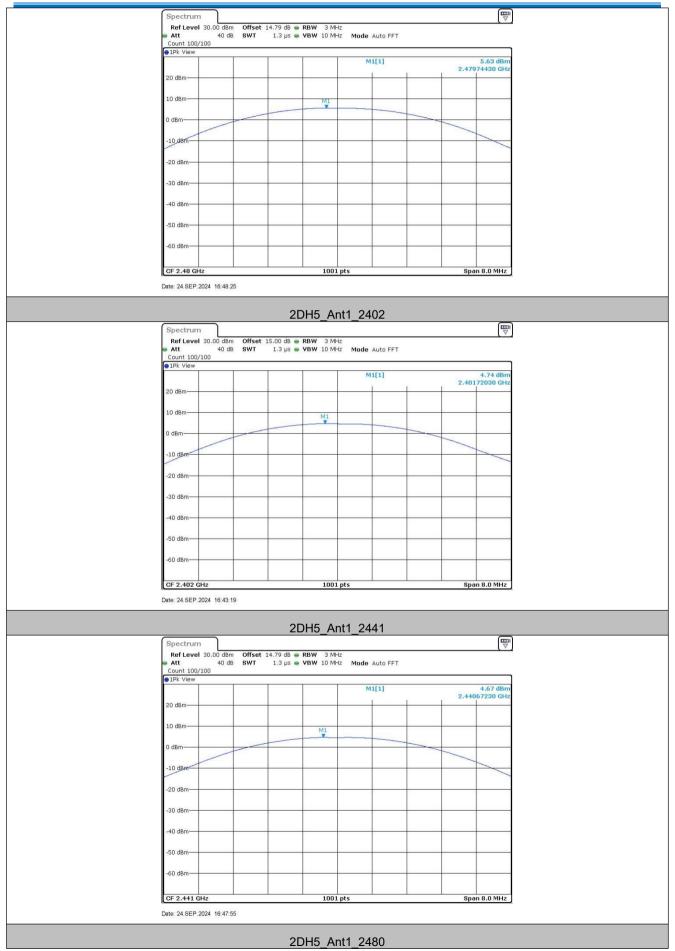
GFSK mode						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result			
Lowest	4.71	21.00	Pass			
Middle	4.71	21.00	Pass			
Highest	5.63	21.00	Pass			
	π/4DQPSK m	ode				
Test channel	Test channel Peak Output Power (dBm)		Result			
Lowest	4.74	21.00	Pass			
Middle	4.67	21.00	Pass			
Highest	5.76	21.00	Pass			
	8DPSK mod	le				
Test channel	Test channel Peak Output Power (dBm)		Result			
Lowest	4.7	21.00	Pass			
Middle	4.63	21.00	Pass			
Highest	5.63	21.00	Pass			



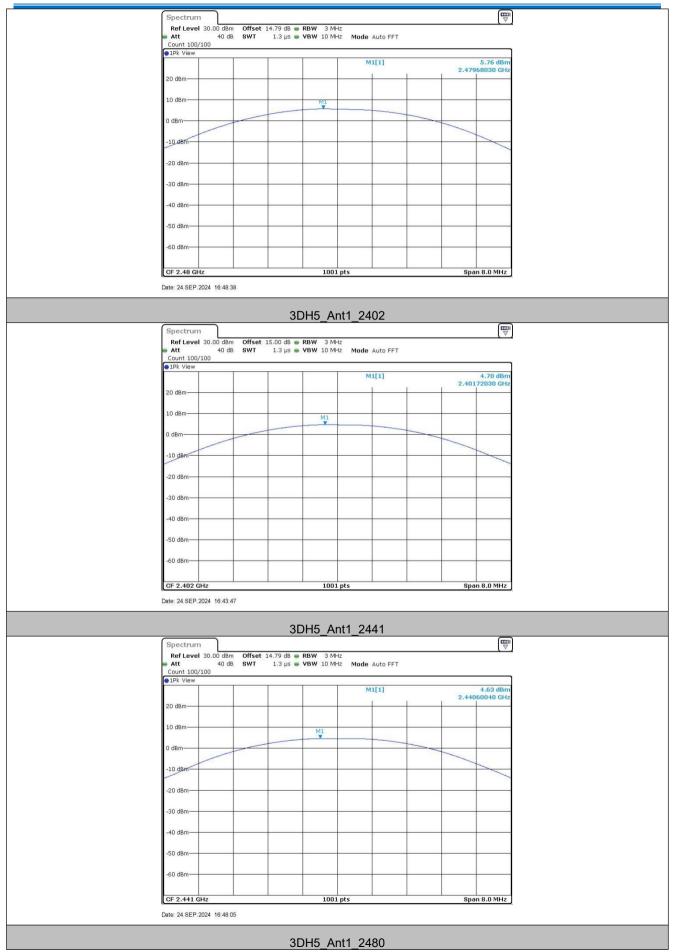
Test plot as follows:









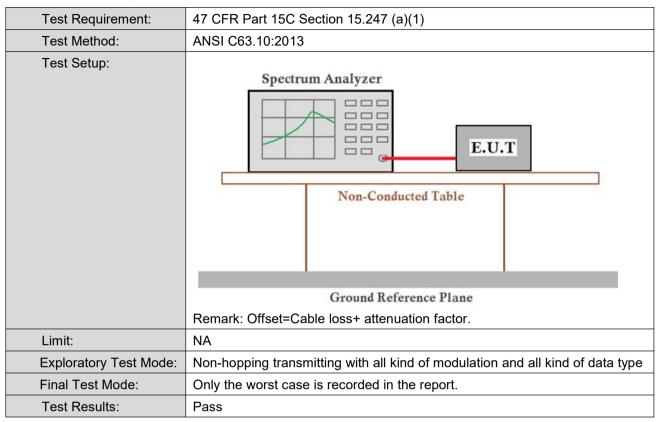




Att 40 Count 100/100	dB SWT	1.3 µs 🖷 V	BW 10 MHz	Mode Auto F	FT		
●1Pk View							
				M1[1]		2.479	5.63 dBm 975220 GHz
20 dBm							
10 dBm			M1				
0 dBm							
-10 dBm							
-20 dBm							
-30 dBm							
-30 0611							
-40 dBm	-						
-50 dBm	-					1	
-60 dBm							
CF 2.48 GHz			1001 p	5		Snz	n 8.0 MHz



5.4 20dB Occupied Bandwidth

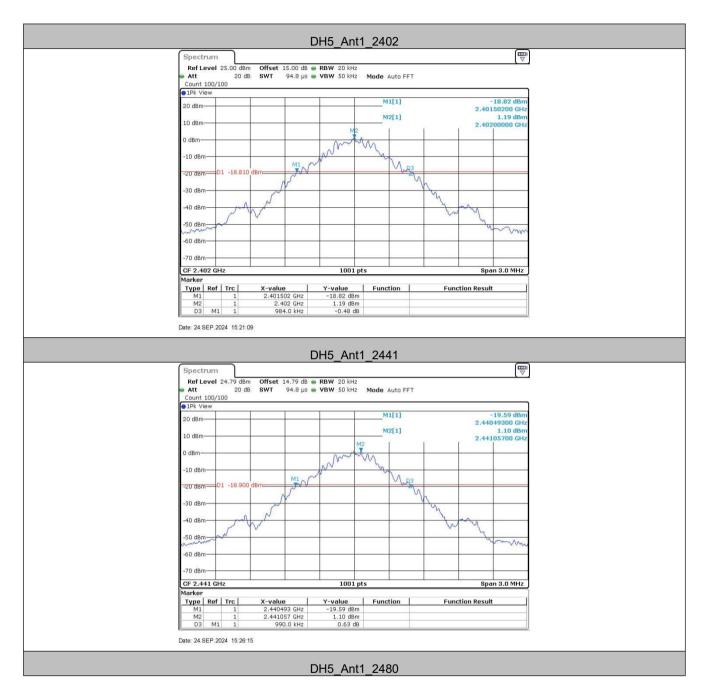


Measurement Data

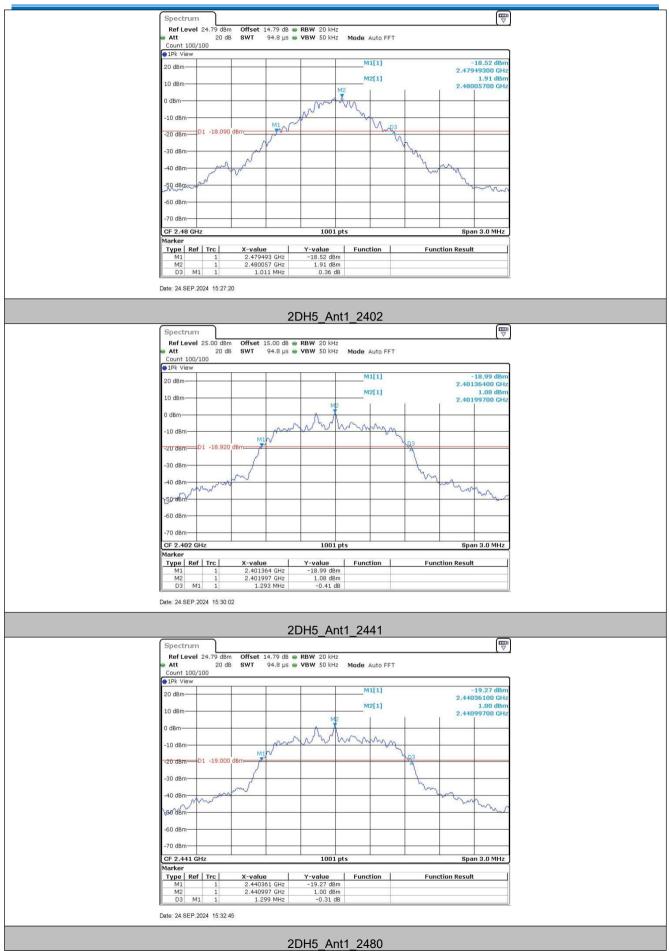
Test shannel	20dB Occupy Bandwidth (MHz)					
Test channel	GFSK	π/4DQPSK	8DPSK			
Lowest	0.98	1.29	1.26			
Middle	0.99	1.30	1.26			
Highest	1.01	1.32	1.28			



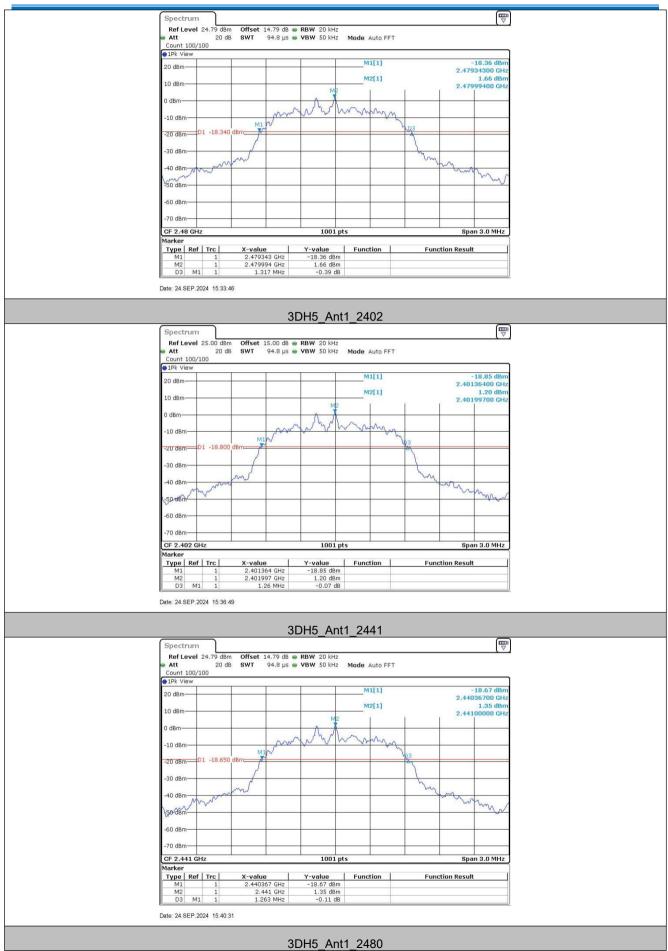
Test plot as follows:



















5.5 Carrier Frequencies Separation

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:	2/3 of the 20dB bandwidth					
	Remark: the transmission power is less than 0.125W.					
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					



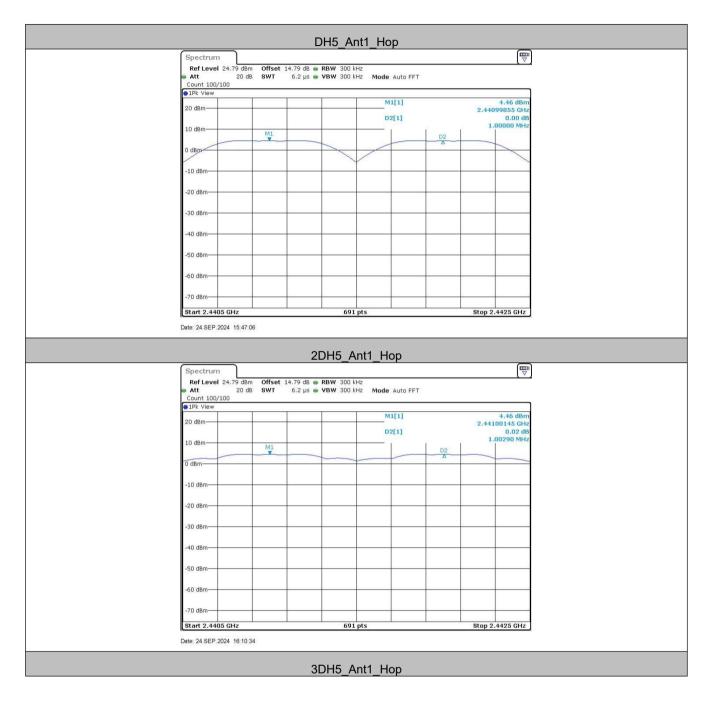
Measurement Data

TestMode	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Нор	1	≥0.673	PASS
2DH5	Нор	1.003	≥0.880	PASS
3DH5	Нор	1	≥0.853	PASS

Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)					
GFSK	1.01	≥0.673					
π/4DQPSK	1.32	≥0.880					
8DPSK	1.28	≥0.853					



Test plot as follows:







Ref Level 24.79 Att 21		dB		Auto CCT		
Count 100/100	5 UB 3WI 0.2	ps 🖝 🕶 and	KH2 MOUE	AULU FFT		
●1Pk View						
20 dBm				1[1] 2[1]		4.43 dBn 2.44100435 GH 0.01 dl
10 dBm	641					1.00000 MH
	M1	_			D2	
0 dBm						
-10 dBm	_					
-20 dBm						
-30 dBm						
-40 dBm	-				-	
-50 dBm						
-60 dBm				a a		
-70 dBm						
Start 2.4405 GHz		69	1 pts	· · · · · ·		Stop 2.4425 GHz



5.6 Hopping Channel Number

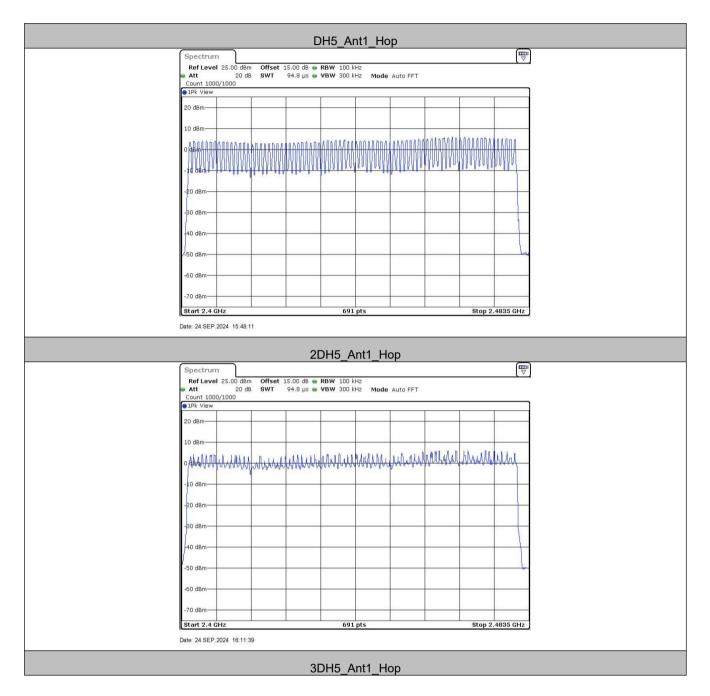
Test Dequirement	47.050 Dort 450.000 tion 45.047 (a)(4)							
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)							
Test Method:	ANSI C63.10:2013							
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset=Cable loss+ attenuation factor.							
Limit:	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:

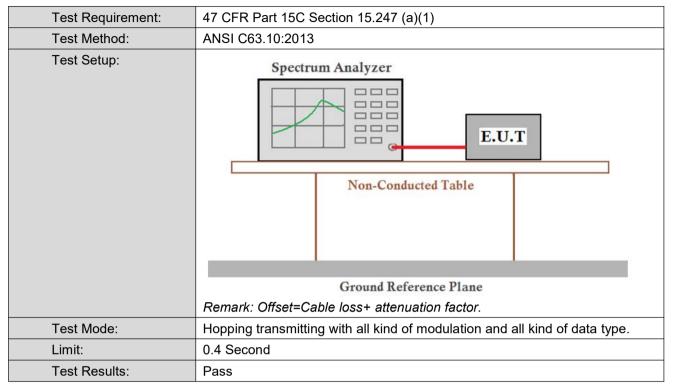




Att Count 1000		SWT	а ч 'я hz 🖷	VBW 300 k	Hz Mode	Auto FFT				
●1Pk View										_
20 dBm									-	-
10 dBm						-		5	-	_
often	MAM	MMM	www	ANALAA	MMM	MMM	MUARIL	MAN	MA	
-10 dBm						0	-	r		
-20 dBm					5	0 11		5		- 2
-30 dBm							8	: 		
∮40 dBm—					-					
-50 dBm										موراً
-60 dBm									-	-
-70 dBm					s					
Start 2.4 G	Hz			691	pts			Stop 2.	4835 GH	Ιz



5.7 Dwell Time



Measurement Data

TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Нор	0.379	320	0.121	≤0.4	PASS
DH3	Нор	1.628	160	0.26	≤0.4	PASS
DH5	Нор	2.873	120	0.345	≤0.4	PASS
2DH1	Нор	0.388	320	0.124	≤0.4	PASS
2DH3	Нор	1.633	130	0.212	≤0.4	PASS
2DH5	Нор	2.873	100	0.287	≤0.4	PASS
3DH1	Нор	0.411	320	0.132	≤0.4	PASS
3DH3	Нор	1.654	180	0.298	≤0.4	PASS
3DH5	Нор	2.873	90	0.259	≤0.4	PASS

Remark:

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



Test plot as follows:

