

FCC Test Report

Applicant	:	Gopod Group Limited.
Address	:	6/F., 235 Wing Lok Trade Centre, Sheung Wan, Hong Kong, China
Product Name	:	3-in-1 Mfi+Qi2 Magnetic Wireless Charging Stand
Report Date	:	Nov. 12, 2024

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TEST REPORT

Applicant	:	Gopod Group Limited.
Manufacturer	:	Gopod Group Holding Limited
Product Name	:	3-in-1 Mfi+Qi2 Magnetic Wireless Charging Stand
Test Model No.	:	D557C
Reference Model No.	:	N/A
Trade Mark	:	Gmobi
Rating(s)	:	Input: 15V3A Output : 5W/7.5W/10W/15W(Max)
Test Standard(s)	:	47 CFR Part 15.209
The device described a	abo	ve is tested by Shenzhen Anbotek Compliance Laborat

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt:

May 11, 2024

Date of Test:

Prepared By:

Approved & Authorized Signer:

May 13, 2024 to Nov. 04, 2024

Tu Tu Hong

(TuTu Hong)

(Kingkong Jin)







Report No.: 18220WC40094701 FCC ID: 2AQZH-D557C **Revision History**

Report Version Description Issued Date R00 Original Issue. Nov. 12, 2024

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1. General Information

1.1. Client Information

Applicant	:	Gopod Group Limited.
Address	:	6/F., 235 Wing Lok Trade Centre, Sheung Wan, Hong Kong, China
Manufacturer	:	Gopod Group Holding Limited
Address	:	301, 4/F, 5/F, 6/F, Building#8 & 6/F, 7/F, Tower#C, Lian Jian Industrial Park II, Shang Henglang Community, DaLang St, LongHua Dist, Shenzhen, China
Factory	:	Gopod Group Holding Limited
Address	:	301, 4/F, 5/F, 6/F, Building#8 & 6/F, 7/F, Tower#C, Lian Jian Industrial Park II, Shang Henglang Community, DaLang St, LongHua Dist, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	3-in-1 Mfi+Qi2 Magnetic Wireless Charging Stand	
Test Model No.	:	D557C	
Reference Model No.	:	N/A	
Trade Mark	:	Gmobi	
Test Power Supply	:	AC 120V/60Hz for Adapter	
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)	
Adapter 1	:	Model: A481-1503000I Input: 100-240V~50/60Hz 1.5A Output: 15V 3A	
Adapter 2	:	Model:DCT48W150300ZZ-D0 Input: 100-240V~50/60Hz 1.3A Output: 15.0V 3.0A	
RF Specification			
Operation Frequency	:	Phone: 110.1~360KHz Watch/headphone case: 110.1-205KHz	
Number of Channel	:	2 channel	
Modulation Type	:	FSK	
Antenna Type	:	Inductive loop coil Antenna	
Antenna Gain(Peak)	:	0 dBi	
Remark: (1) All of the RF specification are provided by customer. (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.			







1.3. Auxiliary Equipment Used During Test

Title	le Manufacturer Model No.		Serial No.	
Apple Phone	Apple	iPhone 12 DNPDJC7T0		
White headphone case	1	1	/	
Apple Watch	Apple	1	/	

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1.4. Description of Test Modes

Pretest Modes	Descriptions	
TM1	Adapter 1+WTP Mode (AC 120V/60Hz for Adapter)	
TM1	Adapter 2+WTP Mode (AC 120V/60Hz for Adapter)	

1.5. Measurement Uncertainty

Parameter	Uncertainty				
Conducted emissions (AMN 150kHz~30MHz)	3.4dB				
Radiated emissions (Below 30MHz)	3.53dB				
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB				
The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.					







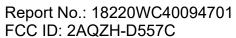
1.6. Test Summary

Test Items	Test Modes	Status
Antenna requirement	/	Р
Conducted Emission at AC power line	Mode1, 2	Р
Emissions in frequency bands (below 30MHz)	Mode1, 2	Р
Emissions in frequency bands (30MHz - 1GHz)	Mode1, 2	Р
Note: P: Pass N: N/A, not applicable		- I

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1.7. Description of Test Facility

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

FCC-Registration No.:434132

Shenzhen Anbotek Compliance Laboratory Limited, 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. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited. Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

1.8. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.







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1.9. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Jan. 18, 2024	1 Year
2.	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT00 1	Jan. 17, 2024	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Jan. 17, 2024	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Jan. 23, 2024	1 Year
5.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Sept. 09, 2024	1 Year
6.	EMI Preamplifier	SKET Electronic	LNPA-0118G- 45	SKET-PA-002	Jan. 17, 2024	1 Year
7.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	Oct. 16, 2022	3 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	Oct. 23, 2022	3 Year
9.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Sept. 12, 2024	1 Year
10.	Horn Antenna	A-INFO	LB-180400-KF	J211060628	Jan. 22, 2024	3 Year
11.	Pre-amplifier	SONOMA	310N	186860	Jan. 17, 2024	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
13.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Sept. 09, 2024	1 Year
14.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Feb. 04, 2024	1 Year
15.	Signal Generator	Agilent	E4421B	MY41000743	Oct. 10, 2024	1 Year
16.	DC Power Supply	IVYTECH	IV3605	1804D360510	Sept. 09, 2024	1 Year
17.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Oct. 14, 2024	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	May. 06, 2024	1 Year







2. Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, 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 shall be
lest Requirement:	

2.1. Conclusion

The antenna is a Inductive loop coil Antenna which permanently attached, and the best case gain of the antenna is **0 dBi** . It complies with the standard requirement.

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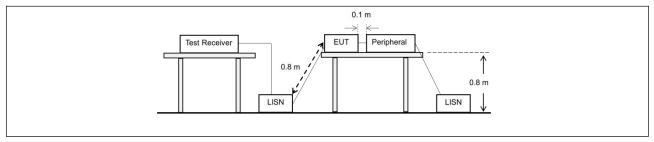
3. Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).				
	Frequency of emission (MHz)	Conducted limit (dBµV)			
		Quasi-peak	Average		
·	0.15-0.5	66 to 56*	56 to 46*		
Test Limit:	0.5-5	56	46		
	5-30	60	50		
	*Decreases with the logarithm of the frequency.				
Test Method:	ANSI C63.10-2020 section 6.2				
Procedure:	Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power- line conducted emissions from unlicensed wireless devices				

3.1. EUT Operation

Operating Environment:					
Test mode:	1: TM1: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter) 2: TM2: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter)				

3.2. Test Setup



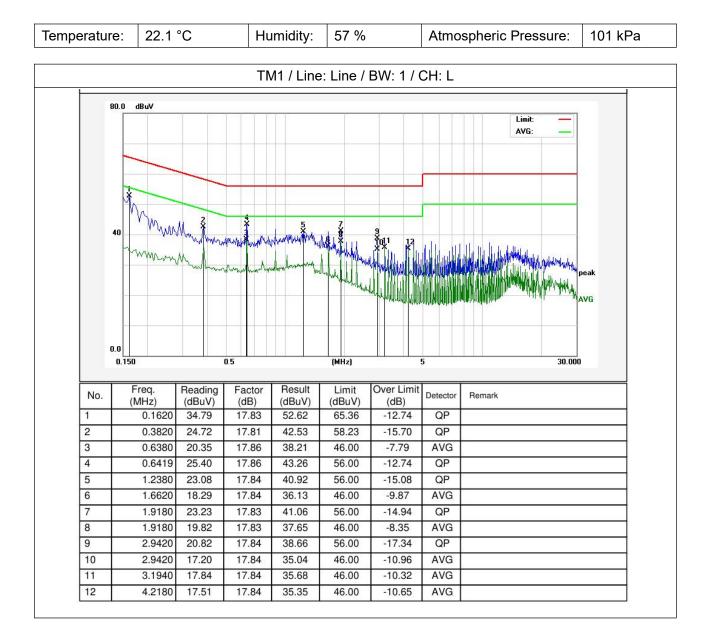






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3.3. Test Data



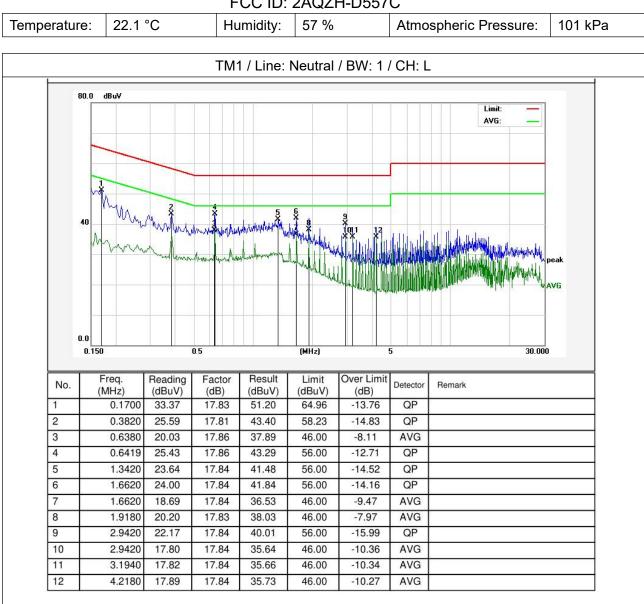
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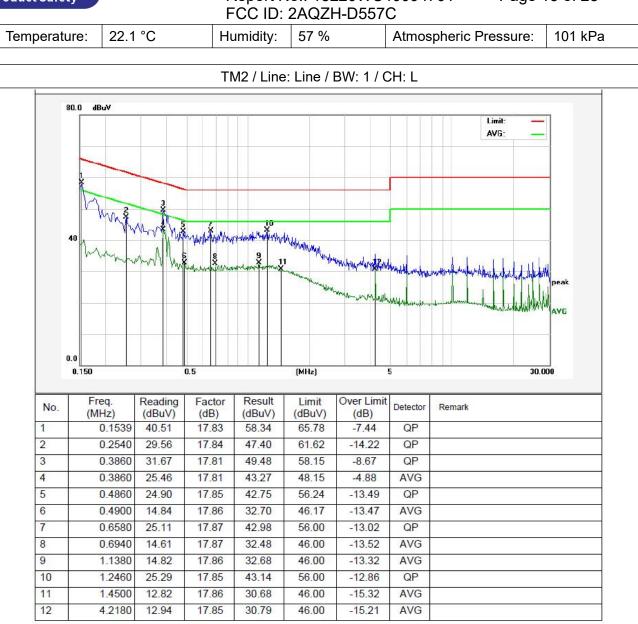












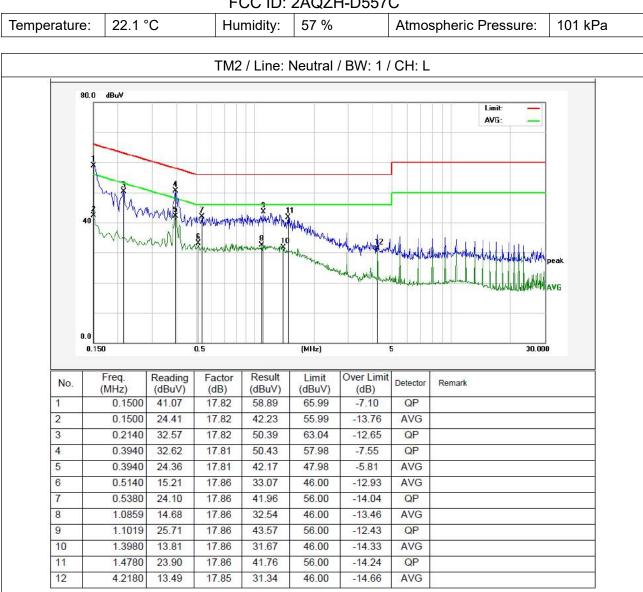
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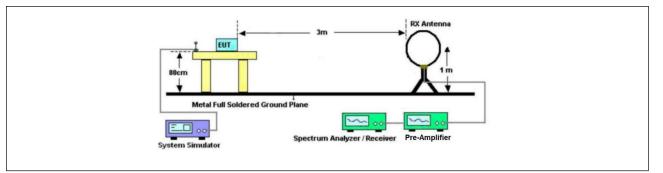
4. Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209					
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
	216-960	200 **	3			
	Above 960	500	3			
Test Limit:	sections of this part, e.g. In the emission table at The emission limits sho employing a CISPR qua 90 kHz, 110–490 kHz a these three bands are b detector. As shown in § 15.35(b) limits in paragraphs (a) However, the peak field maximum permitted ave under any condition of r paragraph (b)of this sec millivolts/meter at 3 met	hin these frequency bands is p g., §§ 15.231 and 15.241. bove, the tighter limit applies a wn in the above table are bas asi-peak detector except for the nd above 1000 MHz. Radiated based on measurements employ for frequencies above 1000 f and (b)of this section are base strength of any emission sha erage limits specified above by modulation. For point-to-point ction, the peak field strength s ters along the antenna azimut	t the band edges. ed on measurements in frequency bands 9– d emission limits in oying an average MHz, the field strength ed on average limits. Il not exceed the y more than 20 dB operation under hall not exceed 2500			
Test Method:	ANSI C63.10-2020 sec	tion 6.4				
Procedure:	ANSI C63.10-2020 sec	tion 6.4				

4.1. EUT Operation

Operating Environment:					
Test mode:	1: TM1: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter)				
Test mode.	2: TM2: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter)				

4.2. Test Setup



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4.3. Test Data

mpera	ature:	24.5 °C	ŀ	lumidity:	52.4	%	Atmos	spheric	Pressure:	101 kPa
			TM1 / F	Polarizatio	n. Horiz	ontal / B\	<u></u>	H· I		
								, <u>-</u>		
130	.0 dBuV/n	n								
120										
110										
									Margin -6 dB	
100										
90										
80										
70										
60										
50										
40			*		A. A	3				S S
30					<u> </u>	Î		~ *	5	
20	-		$-\Pi$						m	
10	m	man	mille	mmin	11r		And			
0						monda	ad i	· ho	NV L	w l
-10										
	D.009				(MHz)					0.150
No.	Freq. (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector			
1	0.02		20.29	38.64	121.41	-82.77	QP			
2	0.03	398 18.59	20.43	39.02	115.47	-76.45	QP			
3	0.05	527 15.03	20.38	35.41	113.05	-77.64	QP			
4	0.07	99 9.37	20.36	29.73	109.46	-79.73	QP			
5	0.10	82 3.15	20.28	23.43	106.84	-83.41	QP			
	0.14	42 16.66	20.33	36.99	104.36	-67.37	QP	+		



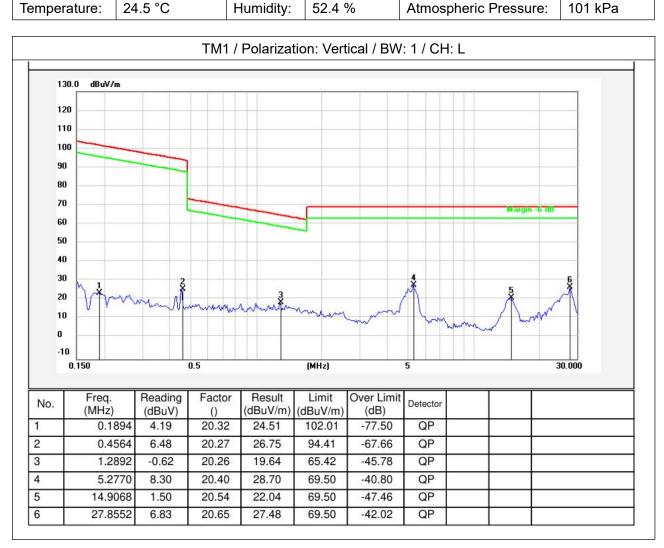




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24.5 °C Humidity: 52.4 % Atmospheric Pressure:

101 kPa

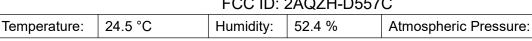




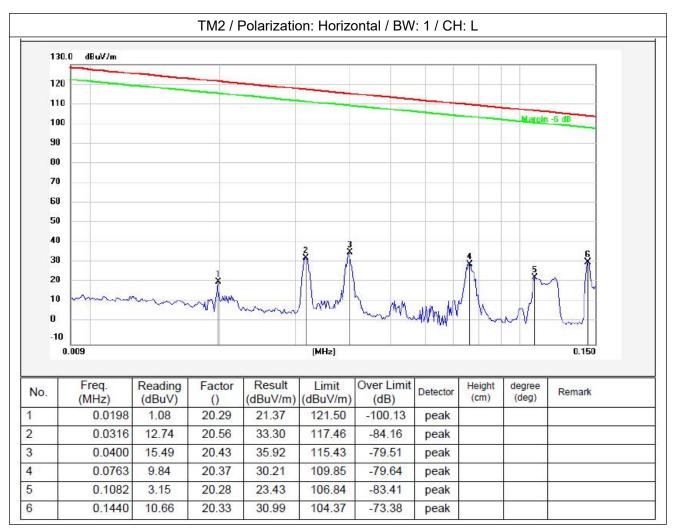




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FCC ID: 2AQZH-D557C Humidity: 52.4 % Atmo

Temperature: 24.5 °C Atmospheric Pressure: 101 kPa TM2 / Polarization: Vertical / BW: 1 / CH: L 130.0 dBuV/m 120 110 100 90 80 70 Margin -6 dB 60 50 40 30 5 20 10 Whr 0 -10 0.150 0.5 (MHz) 5 30.000 Reading Freq. Factor Result Limit Over Limit Height degree No. Detector Remark (deg) (cm) (MHz) (dBuV) (dBuV/m) (dBuV/m) (dB) () 1 8.9634 5.03 20.50 25.53 69.50 -43.97 peak 2 5.2770 8.30 20.40 28.70 69.50 -40.80 peak 3 20.26 36.14 1.2886 15.88 65.43 -29.29 peak 4 0.2366 19.64 20.30 39.94 100.08 -60.14 peak 5 0.4561 6.48 20.27 26.75 94.42 -67.67 peak 6 27.8551 6.83 20.65 27.48 69.50 -42.02 peak







5. Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	t: 47 CFR Part 15.209						
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)				
	0.009-0.490	2400/F(kHz)	300				
	0.490-1.705	24000/F(kHz)	30				
	1.705-30.0	30	30				
	30-88	100 **	3				
	88-216	150 **	3				
	216-960	200 **	3				
	Above 960	500	3				
Test Limit:	 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section 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. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth. 						
Test Method:	ANSI C63.10-2020 sect	ion 6.5					
Procedure:	ANSI C63.10-2020 sect	ion 6.5					

5.1. EUT Operation

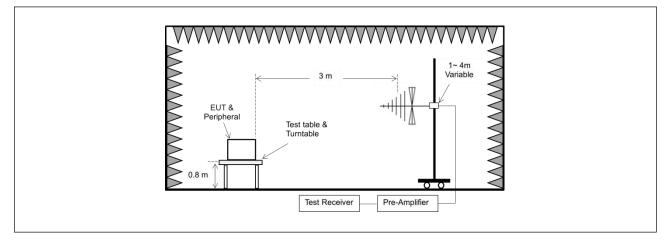
Operating Environment:					
Test mode:	1: TM1: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter) 2: TM2: Adapter 1+WTP Mode (AC 120V/60Hz for Adapter)				







5.2. Test Setup



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5.3. Test Data

emp	erature:	23.5 °	°C	ŀ	Humidity:	49 %		Atmos	pheric F	Pressure:	101 kPa
			-	ГМ1 / Г	Polarizatio	n. Horiz	ontal / R\	<u></u> ∧. 1 / C			
					olanzatio			N. 17 C	/11. L		
	80.0 dBu¥	'm									
	70										
	60										
	50									Margin -6 df	
	40			T	_						
	40								5		
	30						. Å	, r	λ	6	www
						1	wo land	www	Long	MARY	
	20	1	2 X	з Х	100000	handler	wy ~				
	10	nature	month	when	Auman						
				WV W							
	0.0										
	30.000	40 50	60	70 80		(MHz)		300	400 500	600 700	1000.000
No.	Freq. (MHz		ading BuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector			
1	43.5		3.53	-16.96	16.57	40.00	-23.43	QP			
2	64.4	331 35	5.84	-19.45	16.39	40.00	-23.61	QP			
3	76.2	442 39	9.34	-21.67	17.67	40.00	-22.33	QP			
4	219.8	449 48	3.52	-17.34	31.18	46.00	-14.82	QP			
5	401.8	385 45	5.27	-12.38	32.89	46.00	-13.11	QP			
	827.4		5.63	-5.51	30.12	46.00	-15.88	QP	I − − I		







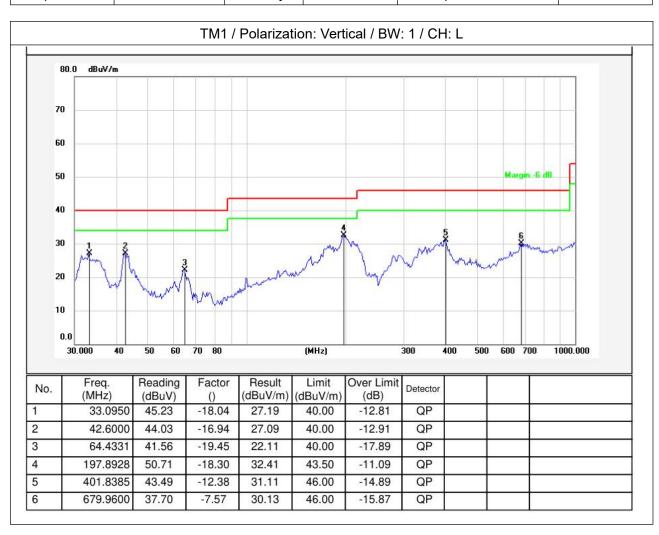
Temperature:

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FCC ID: 2AQZH-D557C							
23.5 °C	Humidity:	49 %	Atmospheric Pressure:				

re: 101 kPa

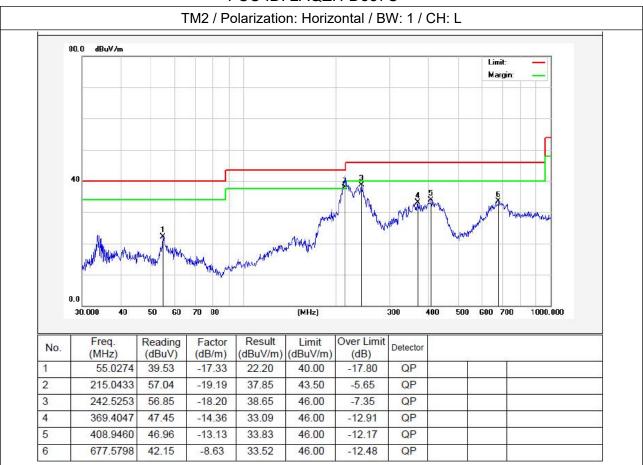








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40

0.0

No.

1 2

3

4

5

6

30.000

Freq.

(MHz) 33.7986

39.8542

127.2176

178.1327

212.2695

370.7023

40

50 60

Reading

(dBuV)

49.64

44.52

50.47

50.64

55.45

49.04

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MA

www.

300

Detector

QP

QP

QP

QP

QP

QP

Over Limit

(dB)

-8.72

-11.08

-14.61

-13.56

-7.28

-10.69

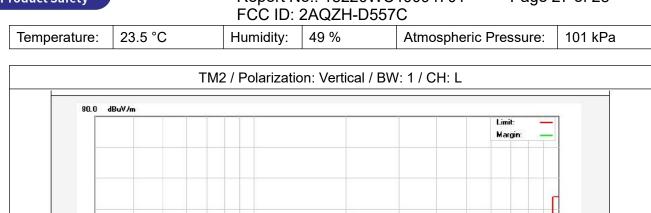
400

500

600 700

1000.000

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(MHz)

Limit

(dBuV/m)

40.00

40.00

43.50

43.50

43.50

46.00

70 80

Factor

(dB/m)

-18.36

-15.60

-21.58

-20.70

-19.23

-13.73

Result

(dBuV/m)

31.28

28.92

28.89

29.94

36.22

35.31







APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report ------

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