

TEST REPORT

Product Name : MoerDuo Tango

Brand Mark : N/A

Model No. : AHA02

FCC ID : 2A8MI-AHA02

Report Number : BLA-EMC-202208-A9502

Date of Sample Receipt : 2022/8/30

: 2022/8/30 to 2022/9/19 **Date of Test**

Date of Issue : 2022/9/20

Test Standard : 47 CFR Part 15, Subpart C 15.247

Test Result : Pass

Prepared for:

Nanjing Yixin Electronic Technology Co., LTD Room 2292, Fuying Building, No.99, Tuanjie Road, Nanjing, Jiangsu pilot free trade zone.

Prepared by:

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Compiled by: Charlie
Approved by: Blue Thong

Review by:

2022/9/20





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REPORT REVISE RECORD

Version No. Date		Description	
00	2022/9/20	Original	





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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Dwell Time	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.4	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Hopping Channel Number	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.3	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Carrier Frequencies Separation	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.2	47 CFR Part 15, Subpart C 15.247a(1)	Pass
20dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.7	47 CFR Part 15, Subpart C 15.247(a)(1)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass



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2 GENERAL INFORMATION

Applicant	Nanjing Yixin Electronic Technology Co., LTD		
Δηητάξε	Room 2292, Fuying Building, No.99,Tuanjie Road, Nanjing, Jiangsu pilot free trade zone.		
Manufacturer	Nanjing Yixin Electronic Technology Co., LTD		
Δηητάξε	Room 2292, Fuying Building, No.99,Tuanjie Road, Nanjing, Jiangsu pilot free trade zone.		
Factory	Rayson Technology (SZ)Co., Ltd.		
Address	No.1,Tongfu 1st Road,The 2nd industrial Zone,Loucun,Guangming New District,Shenzhen,China		
Product Name	MoerDuo Tango		
Test Model No.	AHA02		

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	N/A	
Software Version	N/A	
Operation Frequency:	2402MHz-2480MHz	
Modulation Type:	GFSK, pi/4DQPSK,8DPSK	
Channel Spacing:	1MHz	
Number of Channels:	79	
Antenna Type:	Ceramic Antenna	
Antenna Gain:	2.28dBi(Provided by the customer)	



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4 TEST ENVIRONMENT

Environment	Temperature	Voltage	
Normal	25°C	3.7Vdc	

5 TEST MODE

TEST MODE	TEST MODE DESCRIPTION			
TX	Keep the EUT in continuously transmitting mode with modulation. (hopping and non			
17	hopping mode all have been tested, non hopping mode is worse case for RE)			
Remark: Full battery is used during all test except ac conducted emission, DH1,DH3, DH5 all have been				
tested, during the test, GFSK, Pi/4QPSK, 8-DPSK modulation were all pre-scanned Only the 8-DPSK of				
the worst mode	the worst mode would be recorded in this report.			

6 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)	
Radiated Emission(9kHz-30MHz)	±4.34dB	
Radiated Emission(30Mz-1000MHz)	±4.24dB	
Radiated Emission(1GHz-18GHz)	±4.68dB	
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB	



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7 DESCRIPTION OF SUPPORT UNIT

	Device Type	Manufacturer	Model Name	Serial No.	Remark
	AC Adapter	UGREEN	CD112	N/A	N/A
Ī	PC	HASEE	K610D	N/A	N/A

8 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.



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9 TEST INSTRUMENTS LIST

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	10/11/2020	9/11/2023
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Receiver	R&S	ESR7	101199	24/9/2021	23/9/2022
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2020	25/9/2022
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2020	25/9/2022
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2021	23/9/2022
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2020	25/9/2022

Test Equipment Of Radiated Emissions which fall in the restricted bands						
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due	
Chamber	SKET	966	N/A	10/11/2020	9/11/2023	
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022	
Receiver	R&S	ESR7	101199	24/9/2021	23/9/2022	
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2020	25/9/2022	
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2020	25/9/2022	
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2021	23/9/2022	
EMI software	EZ	EZ-EMC	N/A	N/A	N/A	
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2020	25/9/2022	



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Test Equipment Of Conducted Band Edges Measurement					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of Conducted Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of Dwell Time					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of Hopping Channel Number					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022



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Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of Carrier Frequencies Separation					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of 20dB Bandwidth					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022

Test Equipment Of Conducted Peak Output Power					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2021	23/9/2022
Spectrum	Agilent	N9020A	MY49100060	24/9/2021	23/9/2022
Signal Generator	Agilent	N5182A	MY49060650	24/9/2021	23/9/2022
Signal Generator	Agilent	E8257D	MY44320250	24/9/2021	23/9/2022



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Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	25/11/2020	24/11/2023
Receiver	R&S	ESPI3	101082	24/9/2021	23/9/2022
LISN	R&S	ENV216	3560.6550.15	24/9/2021	23/9/2022
LISN	AT	AT166-2	AKK1806000003	26/9/2021	25/9/2022
EMI software	EZ	EZ-EMC	N/A	N/A	N/A



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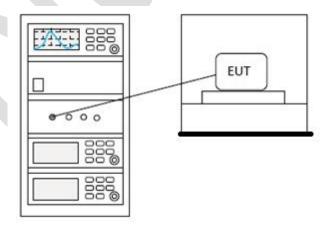
10 DWELL TIME

Test Standard	47 CFR Part 15, Subpart C 15.247		
Test Method	ANSI C63.10 (2013) Section 7.8.4		
Test Mode (Pre-Scan)	TX		
Test Mode (Final Test)	TX		
Tester	Charlie		
Temperature	25℃		
Humidity	60%		

10.1 LIMITS

Frequency(MHz)	Limit		
	0.4S within a 20S period(20dB		
902-928	bandwidth<250kHz)		
	0.4S within a 10S period(20dB		
	bandwidth≥250kHz)		
	0.4S within a period of 0.4S multiplied by the		
2400-2483.5	number		
	of hopping channels		
5725-5850	0.4S within a 30S period		

10.2 BLOCK DIAGRAM OF TEST SETUP





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10.3 TEST DATA







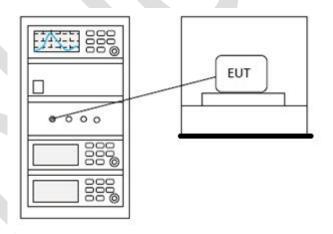
11 HOPPING CHANNEL NUMBER

Test Standard	47 CFR Part 15, Subpart C 15.247			
Test Method	ANSI C63.10 (2013) Section 7.8.3			
Test Mode (Pre-Scan)	TX			
Test Mode (Final Test)	TX			
Tester	Charlie			
Temperature	25℃			
Humidity	60%			

11.1 LIMITS

Frequency range(MHz)	Number of hopping channels (minimum)
002.020	50 for 20dB bandwidth <250kHz
902-928	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 TEST DATA



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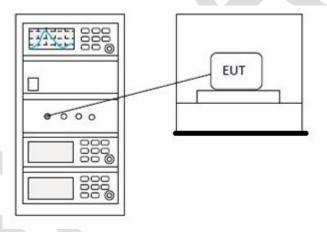
12 CARRIER FREQUENCIES SEPARATION

Test Standard	47 CFR Part 15, Subpart C 15.247					
Test Method	ANSI C63.10 (2013) Section 7.8.2					
Test Mode (Pre-Scan)	TX					
Test Mode (Final Test)	TX					
Tester	Charlie					
Temperature	25℃					
Humidity	60%					

12.1 LIMITS

Limit: 2/3 of the 20dB bandwidth base on the transmission power is less than 0.125W

12.2 BLOCK DIAGRAM OF TEST SETUP



12.3 TEST DATA

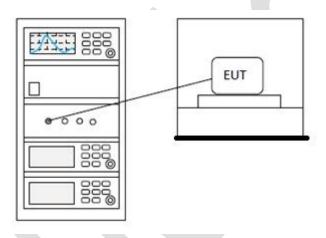


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13 20DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.7
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

13.1 BLOCK DIAGRAM OF TEST SETUP



13.2 TEST DATA



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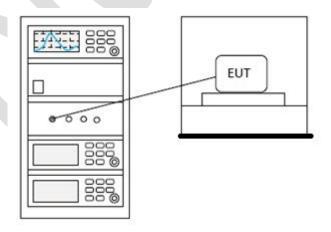
14 CONDUCTED PEAK OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart C 15.247				
Test Method	ANSI C63.10 (2013) Section 7.8.5				
Test Mode (Pre-Scan)	TX				
Test Mode (Final Test)	TX				
Tester	Charlie				
Temperature	25℃				
Humidity	60%				

14.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)				
	1 for ≥50 hopping channels				
902-928	0.25 for 25≤ hopping channels <50				
	1 for digital modulation				
	1 for ≥75 non-overlapping hopping channels				
2400-2483.5	0.125 for all other frequency hopping systems				
	1 for digital modulation				
	1 for frequency hopping systems and digital				
5725-5850	modulation				

14.2 BLOCK DIAGRAM OF TEST SETUP

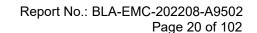




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14.3 TEST DATA







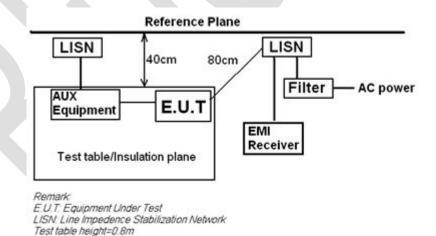
15 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

Test Standard	47 CFR Part 15, Subpart C 15.247				
Test Method	ANSI C63.10 (2013) Section 6.2				
Test Mode (Pre-Scan)	TX				
Test Mode (Final Test)	TX				
Tester	Charlie				
Temperature	25℃				
Humidity	60%				

15.1 LIMITS

Frequency of	Conducted limit(dBμV)								
emission(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	*Decreases with the logarithm of the frequency.								

15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 PROCEDURE

- 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 50ohm/50H + 5ohm 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.



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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,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal 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.

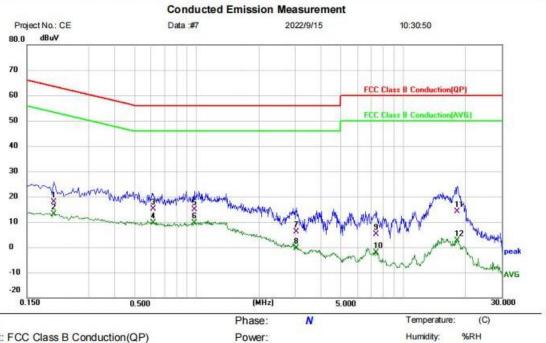
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor



15.4 TEST DATA

[TestMode: TX mode]; [Line: Nutral]; [Power:120V/60Hz]



Limit: FCC Class B Conduction(QP)

EUT: MoerDuo M/N: AHA02 Mode: TX mode

Note:

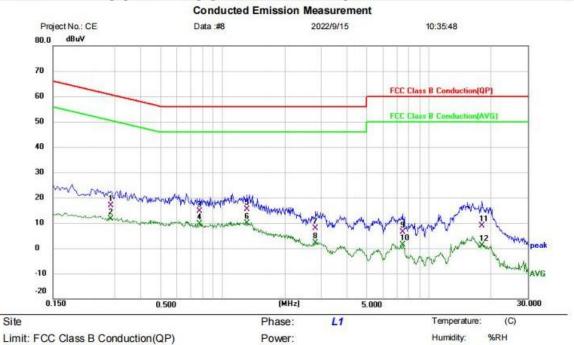
Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2020	17.12	0.86	17.98	63.53	-45.55	QP	
2		0.2020	12.29	0.86	13.15	53.53	-40.38	AVG	
3		0.6140	14.88	0.36	15.24	56.00	-40.76	QP	
4	*	0.6140	9.34	0.36	9.70	46.00	-36.30	AVG	
5		0.9700	14.58	0.30	14.88	56.00	-41.12	QP	
6		0.9700	9.27	0.30	9.57	46.00	-36.43	AVG	
7	1	3.0340	5.82	0.30	6.12	56.00	-49.88	QP	
8		3.0340	-0.68	0.30	-0.38	46.00	-46.38	AVG	
9		7.3940	4.73	0.32	5.05	60.00	-54.95	QP	
10		7.3940	-2.45	0.32	-2.13	50.00	-52.13	AVG	
11		18.2420	13.67	0.47	14.14	60.00	-45.86	QP	
12		18.2420	2.20	0.47	2.67	50.00	-47.33	AVG	

x:Over limit !:over margin *:Maximum data (Reference Only



[TestMode: TX mode]; [Line: Line]; [Power:120V/60Hz]



EUT: MoerDuo M/N: AHA02 Mode: TX mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2860	16.53	0.29	16.82	60.64	-43.82	QP	
2		0.2860	11.34	0.29	11.63	50.64	-39.01	AVG	
3		0.7740	14.23	0.30	14.53	56.00	-41.47	QP	
4	2	0.7740	9.33	0.30	9.63	46.00	-36.37	AVG	
5		1.3099	15.05	0.23	15.28	56.00	-40.72	QP	
6	*	1.3099	9.66	0.23	9.89	46.00	-36.11	AVG	
7	1	2.8220	7.59	0.29	7.88	56.00	-48.12	QP	
8		2.8220	1.72	0.29	2.01	46.00	-43.99	AVG	
9		7.4180	6.01	0.33	6.34	60.00	-53.66	QP	
10		7.4180	1.10	0.33	1.43	50.00	-48.57	AVG	
11		18.0020	8.39	0.42	8.81	60.00	-51.19	QP	
12	}	18.0020	0.66	0.42	1.08	50.00	-48.92	AVG	

*:Maximum data x:Over limit !:over margin (Reference Only



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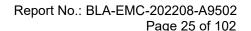
16 RADIATED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247				
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6				
Test Mode (Pre-Scan)	TX				
Test Mode (Final Test)	TX				
Tester	Charlie				
Temperature	25℃				
Humidity	60%				

16.1 LIMITS

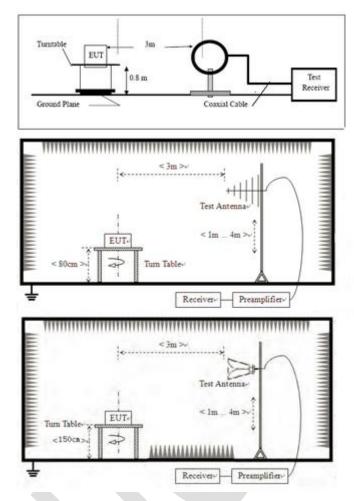
Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.





16.2 BLOCK DIAGRAM OF TEST SETUP



16.3 PROCEDURE

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



Temperature:

Humidity:

(C)

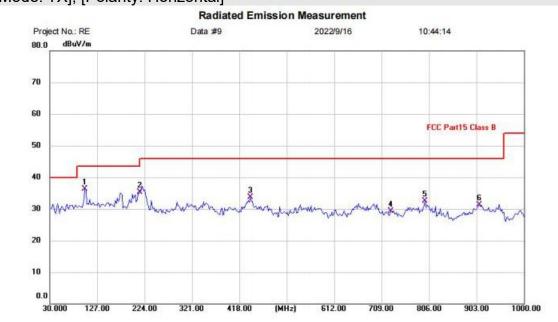
%RH

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16.4 TEST DATA

Below 1GHz

[TestMode: TX]; [Polarity: Horizontal]



Polarization: Horizontal

Limit: FCC Part15 Class B

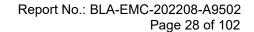
EUT: MoerDuo M/N: AHA02 Mode: TX mode

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	101.9238	57.99	-21.59	36.40	43.50	-7.10	QP	Р	
2	214.6693	55.85	-20.53	35.32	43.50	-8.18	QP	Р	
3	440.1603	48.24	-14.44	33.80	46.00	-12.20	QP	Р	
4	727.8557	38.41	-9.05	29.36	46.00	-16.64	QP	Р	
5	797.8356	40.02	-7.42	32.60	46.00	-13.40	QP	Р	
6	908.6372	37.50	-6.23	31.27	46.00	-14.73	QP	Р	

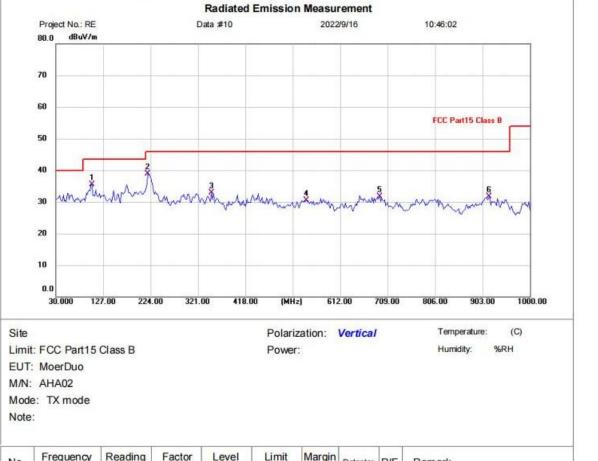
Power:

*:Maximum data x:Over limit !:over margin





[TestMode: TX]; [Polarity: Vertical]



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	103.8677	56.85	-21.36	35.49	43.50	-8.01	QP	P	
2 *	218.5571	59.22	-20.29	38.93	46.00	-7.07	QP	Р	
3	348.7976	49.47	-16.56	32.91	46.00	-13.09	QP	Р	
4	543.1864	42.68	-12.26	30.42	46.00	-15.58	QP	Р	
5	692.8657	41.76	-9.97	31.79	46.00	-14.21	QP	Р	
6	916.4128	37.91	-6.23	31.68	46.00	-14.32	QP	Р	

*:Maximum data x:Over limit !:over margin



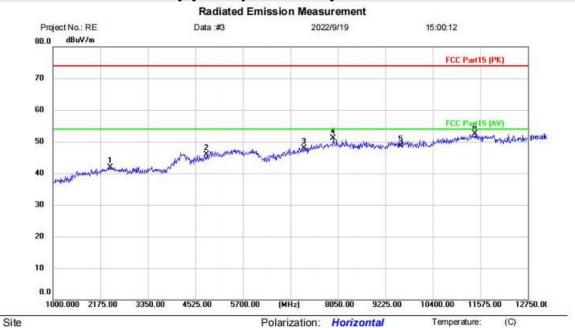
Humidity:

%RH

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Above 1GHz

[TestMode: TX lowest channel]; [Polarity: Horizontal]



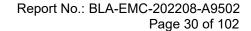
Limit: FCC Part15 (PK)

EUT: MoerDuo M/N: AHA02 Mode: TX-L Note:

No. N	Mk. Freq		ding vel	Correct Factor	Measure- ment	Limit	Over			
	MHz	dB	BuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	2410.00	00 53	.14	-11.26	41.88	74.00	-32.12	peak		
2	4804.00	00 51	.80	-5.95	45.85	74.00	-28.15	peak		
3	7206.00	00 49	.97	-2.07	47.90	74.00	-26.10	peak		
4	7932.50	0 52	.29	-1.13	51.16	74.00	-22.84	peak		
5	9608.00	0 47	.89	0.90	48.79	74.00	-25.21	peak		
6 '	11445.75	0 48	.88	3.65	52.53	74.00	-21.47	peak		

Power:

*:Maximum data x:Over limit !:over margin (Reference Only



10400.00 11575.00 12750.00

(C)

%RH

Temperature:

Humidity:

9225.00



[TestMode:TX lowest channel]; [Polarity: Vertical]

Radiated Emission Measurement Project No.: RE Data:#4 2022/9/19 15:02:34 dBuV/m 80.0 FCC Part15 (PK) 70 60 50 30 20 10 0.0

Polarization: Vertical

Site Limit: FCC Part15 (PK)

1000.000 2175.00

3350.00

4525.00

5700.00

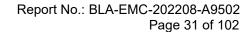
Mode: TX-L Note:

EUT: MoerDuo M/N: AHA02

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		1940.000	57.62	-14.65	42.97	74.00	-31.03	peak	
2		4804.000	52.26	-5.95	46.31	74.00	-27.69	peak	
3		5547.250	51.28	-3.16	48.12	74.00	-25.88	peak	
4		7206.000	49.82	-2.07	47.75	74.00	-26.25	peak	
5		9608.000	48.07	0.90	48.97	74.00	-25.03	peak	
6	*	11375.250	49.12	3.62	52.74	74.00	-21.26	peak	

Power:

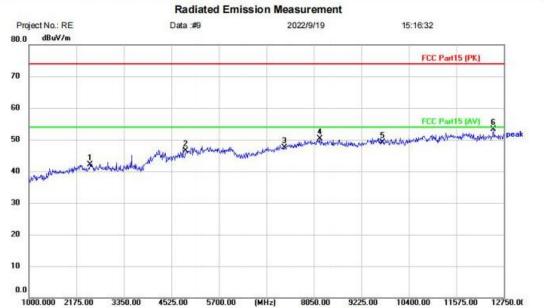
*:Maximum data x:Over limit !:over margin (Reference Only



(C)



[TestMode: TX middle channel]; [Polarity: Horizontal]



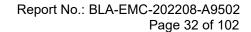
Site

EUT: MoerDuo M/N: AHA02 Mode: TX-M Note:

Polarization: Horizontal Temperature: Limit: FCC Part15 (PK) Humidity: %RH Power:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2504.000	54.39	-12.28	42.11	74.00	-31.89	peak		
2		4882.000	52.12	-5.63	46.49	74.00	-27.51	peak		
3		7323.000	49.37	-1.79	47.58	74.00	-26.42	peak		
4		8191.000	51.32	-1.01	50.31	74.00	-23.69	peak		
5		9764.000	47.87	1.30	49.17	74.00	-24.83	peak		
6	*	12491.500	49.37	3.87	53.24	74.00	-20.76	peak		

*:Maximum data x:Over limit !:over margin (Reference Only



Temperature:

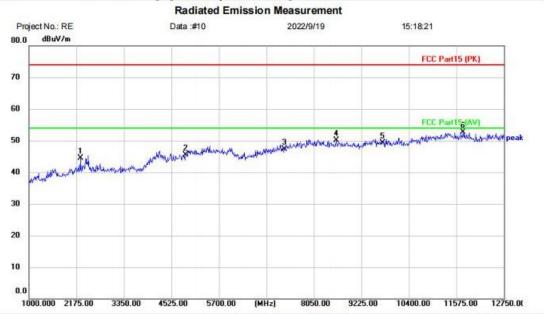
Humidity:

(C)

%RH



[TestMode: TX middle channel]; [Polarity: Vertical]



Polarization: Vertical

Limit: FCC Part15 (PK)

EUT: MoerDuo

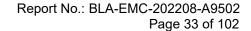
Site

M/N: AHA02 Mode: TX-M Note:

Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
	2269.000	57.67	-13.21	44.46	74.00	-29.54	peak		
	4882.000	51.13	-5.63	45.50	74.00	-28.50	peak		
	7323.000	49.17	-1.79	47.38	74.00	-26.62	peak		
}	8602.250	50.88	-0.83	50.05	74.00	-23.95	peak		
	9764.000	48.04	1.30	49.34	74.00	-24.66	peak		
*	11739.500	48.92	3.78	52.70	74.00	-21.30	peak		
		MHz 2269.000 4882.000 7323.000 8602.250 9764.000	Mk. Freq. Level MHz dBuV 2269.000 57.67 4882.000 51.13 7323.000 49.17 8602.250 50.88 9764.000 48.04	Mk. Freq. Level Factor MHz dBuV dB/m 2269.000 57.67 -13.21 4882.000 51.13 -5.63 7323.000 49.17 -1.79 8602.250 50.88 -0.83 9764.000 48.04 1.30	Mk. Freq. Level Factor ment MHz dBuV dB/m dBuV/m 2269.000 57.67 -13.21 44.46 4882.000 51.13 -5.63 45.50 7323.000 49.17 -1.79 47.38 8602.250 50.88 -0.83 50.05 9764.000 48.04 1.30 49.34	Mk. Freq. Level Factor ment Limit MHz dBuV dB/m dBuV/m dBuV/m 2269.000 57.67 -13.21 44.46 74.00 4882.000 51.13 -5.63 45.50 74.00 7323.000 49.17 -1.79 47.38 74.00 8602.250 50.88 -0.83 50.05 74.00 9764.000 48.04 1.30 49.34 74.00	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB/m dBuV/m dBuV/m dB 2269.000 57.67 -13.21 44.46 74.00 -29.54 4882.000 51.13 -5.63 45.50 74.00 -28.50 7323.000 49.17 -1.79 47.38 74.00 -26.62 8602.250 50.88 -0.83 50.05 74.00 -23.95 9764.000 48.04 1.30 49.34 74.00 -24.66	Mk. Freq. Level Factor ment Limit Over MHz dBuV dBuV dBuV/m dBuV/m dBuV/m dB Detector 2269.000 57.67 -13.21 44.46 74.00 -29.54 peak 4882.000 51.13 -5.63 45.50 74.00 -28.50 peak 7323.000 49.17 -1.79 47.38 74.00 -26.62 peak 8602.250 50.88 -0.83 50.05 74.00 -23.95 peak 9764.000 48.04 1.30 49.34 74.00 -24.66 peak	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB/m dBuV/m dBuV/m dB Detector Comment 2269.000 57.67 -13.21 44.46 74.00 -29.54 peak 4882.000 51.13 -5.63 45.50 74.00 -28.50 peak 7323.000 49.17 -1.79 47.38 74.00 -26.62 peak 8602.250 50.88 -0.83 50.05 74.00 -23.95 peak 9764.000 48.04 1.30 49.34 74.00 -24.66 peak

Power:

*:Maximum data x:Over limit !:over margin (Reference Only

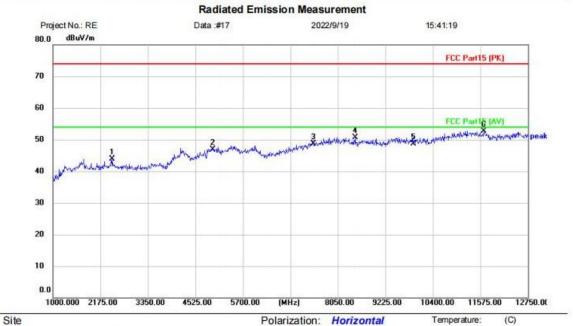


Humidity:

%RH



[TestMode: TX highest channel]; [Polarity: Horizontal]



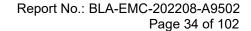
Limit: FCC Part15 (PK)

EUT: MoerDuo M/N: AHA02 Mode: TX-H Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	2468.750	55.78	-11.91	43.87	74.00	-30.13	peak		
2	4960.000	51.52	-4.58	46.94	74.00	-27.06	peak		
3	7440.000	50.18	-1.52	48.66	74.00	-25.34	peak		
4	8473.000	51.55	-0.88	50.67	74.00	-23.33	peak		
5	9920.000	47.04	1.69	48.73	74.00	-25.27	peak		
6 *	11657.250	48.91	3.75	52.66	74.00	-21.34	peak		

Power:

*:Maximum data x:Over limit !:over margin (Reference Only

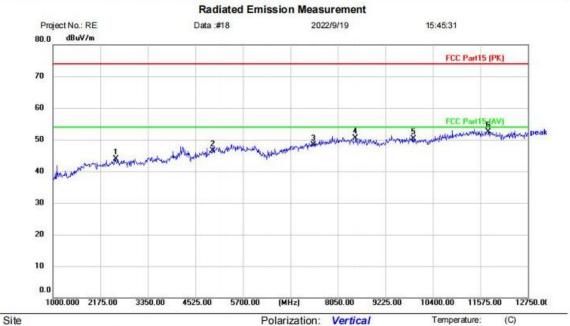


Humidity:

%RH



[TestMode: TX highest channel]; [Polarity: Vertical]



Limit: FCC Part15 (PK)

EUT: MoerDuo M/N: AHA02 Mode: TX-H Note:

No. N	lk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	2551.000	56.40	-12.51	43.89	74.00	-30.11	peak		
2	4960.000	51.18	-4.58	46.60	74.00	-27.40	peak		
3	7440.000	49.88	-1.52	48.36	74.00	-25.64	peak		
4	8484.750	51.44	-0.88	50.56	74.00	-23.44	peak		
5	9920.000	48.57	1.69	50.26	74.00	-23.74	peak		
6 *	11774.750	48.69	3.80	52.49	74.00	-21.51	peak		

Power:

*:Maximum data x:Over limit !:over margin (Reference Only



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17 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

Test Standard	47 CFR Part 15, Subpart C 15.247					
Test Method ANSI C63.10 (2013) Section 6.10.5						
Test Mode (Pre-Scan)	TX					
Test Mode (Final Test)	TX					
Tester	Charlie					
Temperature	25℃					
Humidity	60%					

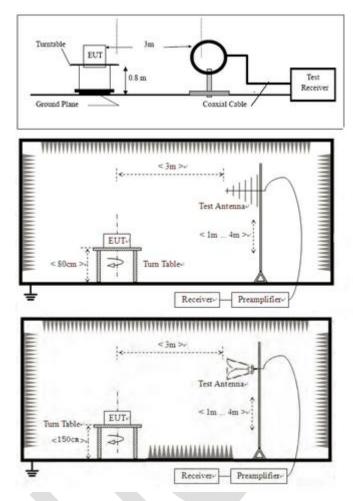
17.1 LIMITS

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.



17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 PROCEDURE

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

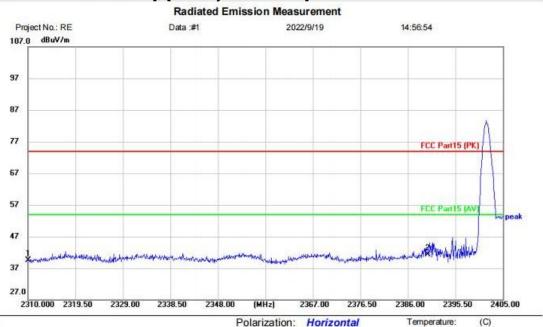




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17.4 TEST DATA

[TestMode: TX lowest channel]; [Polarity: Horizontal]



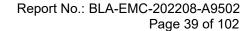
EUT: MoerDuo M/N: AHA02 Mode: TX-L

Note:

Site Limit: FCC Part15 (PK) Humidity: %RH Power:

No. N	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	53.86	-14.27	39.59	74.00	-34.41	peak		
2	*	2390.000	55.21	-13.82	41.39	74.00	-32.61	peak		

x:Over limit !:over margin *:Maximum data (Reference Only



Temperature:

Humidity:

(C)

%RH



[TestMode: TX lowest channel]; [Polarity: Vertical]

Radiated Emission Measurement Project No.: RE Data:#2 2022/9/19 14:58:50 107.0 dBuV/m 97 87 77 FCC Part15 (PK) 67 57 47 27.0 2310.000 2319.50 2329.00 2338.50 2348.00 2376.50 2405.00

Polarization: Vertical

Limit: FCC Part15 (PK)

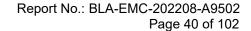
Site

EUT: MoerDuo M/N: AHA02 Mode: TX-L Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	54.66	-14.27	40.39	74.00	-33.61	peak		
2	*	2390.000	62.77	-13.82	48.95	74.00	-25.05	peak		

Power:

*:Maximum data x:Over limit !:over margin (Reference Only



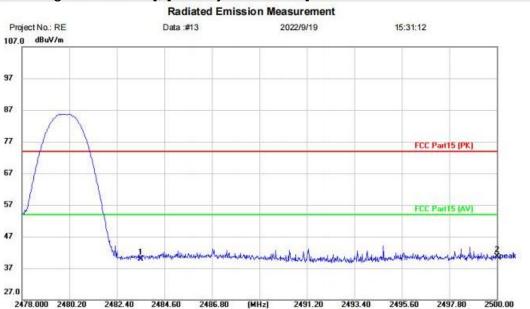
Temperature:

%RH

Humidity:



[TestMode: TX highest channel]; [Polarity: Horizontal]



Polarization: Horizontal

Limit: FCC Part15 (PK)

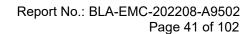
M/N: AHA02 Mode: TX-H Note:

Site

Power: EUT: MoerDuo

No. Mk.	Mk.	Freq.	Reading Level	·	Measure- ment		Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2483.500	53.90	-13.96	39.94	74.00	-34.06	peak		
2	*	2500.000	54.62	-14.00	40.62	74.00	-33.38	peak		

*:Maximum data x:Over limit !:over margin (Reference Only



Temperature:

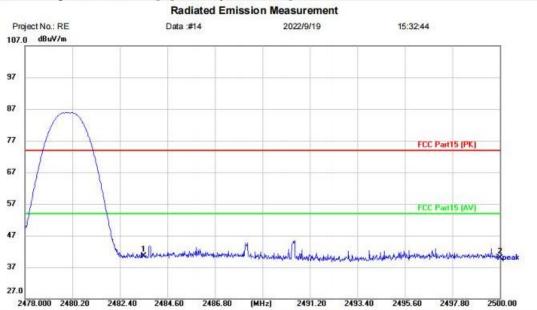
Humidity:

(C)

%RH



[TestMode: TX highest channel]; [Polarity: Vertical]



Polarization: Vertical

Limit: FCC Part15 (PK)

EUT: MoerDuo M/N: AHA02 Mode: TX-H

Site

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2483.500	54.41	-13.96	40.45	74.00	-33.55	peak		
2		2500.000	53.84	-14.00	39.84	74.00	-34.16	peak		

Power:

*:Maximum data x:Over limit !:over margin (Reference Only



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18 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

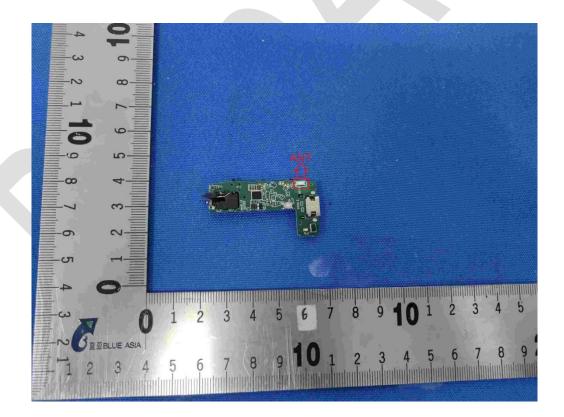
18.1 CONCLUSION

Standard 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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.28dBi.





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19 CONDUCTED SPURIOUS EMISSIONS

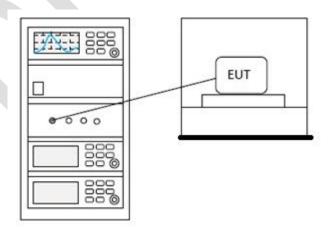
Test Standard	47 CFR Part 15, Subpart C 15.247				
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11				
Test Mode (Pre-Scan)	TX				
Test Mode (Final Test)	TX				
Tester	Charlie				
Temperature	25℃				
Humidity	60%				

19.1 LIMITS

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

19.2 BLOCK DIAGRAM OF TEST SETUP





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19.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details





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20 CONDUCTED BAND EDGES MEASUREMENT

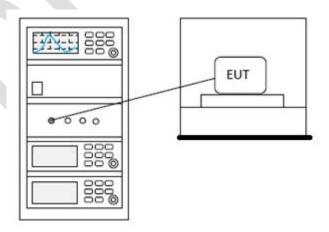
Test Standard	47 CFR Part 15, Subpart C 15.247				
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2				
Test Mode (Pre-Scan)	TX				
Test Mode (Final Test)	TX				
Tester	Charlie				
Temperature	25℃				
Humidity	60%				

20.1 LIMITS

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

20.2 BLOCK DIAGRAM OF TEST SETUP





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20.3 TEST DATA

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21 APPENDIX

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Appendix1

Maximum Conducted Output Power

Condition	Mode	Frequency	Antenna	Conducted Power	Limit	Verdict
		(MHz)		(dBm)	(dBm)	
NVNT	1-DH1	2402	Ant1	1.12	21	Pass
NVNT	1-DH1	2441	Ant1	0.317	21	Pass
NVNT	1-DH1	2480	Ant1	-0.689	21	Pass
NVNT	2-DH1	2402	Ant1	1.042	21	Pass
NVNT	2-DH1	2441	Ant1	0.306	21	Pass
NVNT	2-DH1	2480	Ant1	-0.731	21	Pass
NVNT	3-DH1	2402	Ant1	1.104	21	Pass
NVNT	3-DH1	2441	Ant1	0.316	21	Pass
NVNT	3-DH1	2480	Ant1	-0.721	21	Pass

Power NVNT 1-DH1 2402MHz Ant1



Power NVNT 1-DH1 2441MHz Ant1





Power NVNT 1-DH1 2480MHz Ant1



Power NVNT 2-DH1 2402MHz Ant1



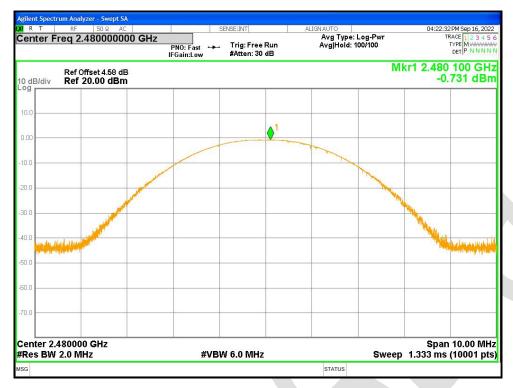


Power NVNT 2-DH1 2441MHz Ant1



Power NVNT 2-DH1 2480MHz Ant1





Power NVNT 3-DH1 2402MHz Ant1



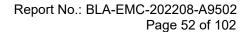
Power NVNT 3-DH1 2441MHz Ant1





Power NVNT 3-DH1 2480MHz Ant1







-20dB Bandwidth

Condition	Mode	Frequency	Antenna	-20 dB Bandwidth	Limit -20 dB	Verdict
		(MHz)		(MHz)	Bandwidth (MHz)	
NVNT	1-DH1	2402	Ant1	0.928	0	Pass
NVNT	1-DH1	2441	Antl	0.916	0	Pass
NVNT	1-DH1	2480	Ant1	0.925	0	Pass
NVNT	2-DH1	2402	Antl	1.216	0	Pass
NVNT	2-DH1	2441	Ant1	1.201	0	Pass
NVNT	2-DH1	2480	Antl	1.222	0	Pass
NVNT	3-DH1	2402	Ant1	1.215	0	Pass
NVNT	3-DH1	2441	Ant1	1.211	0	Pass
NVNT	3-DH1	2480	Antl	1.208	0	Pass

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



03:36:05 PM Sep 16, 2022 Center Freq: 2.441000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.441000000 GHz Radio Std: None Avg|Hold: 100/100 Radio Device: BTS #IFGain:Low Mkr3 2.441456 GHz Ref Offset 4.53 dB Ref 24.53 dBm -21.174 dBm 10 dB/div $\langle \rangle^{1}$ Span 2 MHz Sweep 2.667 ms Center 2.441 GHz #Res BW 30 kHz **#VBW 100 kHz Total Power** 6.03 dBm Occupied Bandwidth 867.59 kHz **Transmit Freq Error** -2.359 kHz **OBW Power** 99.00 % x dB Bandwidth 916.2 kHz -20.00 dB x dB

-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1





-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



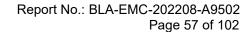
-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



04:58:12 PM Sep 16, 2022 Center Freq: 2.441000000 GHz Trig: Free Run Avg #Atten: 30 dB Center Freq 2.441000000 GHz Radio Std: None Avg|Hold: 100/100 Radio Device: BTS #IFGain:Low Mkr3 2.441613 GHz Ref Offset 4.53 dB Ref 24.53 dBm -23.407 dBm 10 dB/div Span 2 MHz Sweep 2.667 ms Center 2.441 GHz #Res BW 30 kHz **#VBW 100 kHz Total Power** 4.95 dBm Occupied Bandwidth 1.1420 MHz **Transmit Freq Error** 7.068 kHz **OBW Power** 99.00 % x dB Bandwidth 1.211 MHz -20.00 dB x dB

-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.84166
NVNT	1-DH1	2441	Ant1	0.86630
NVNT	1-DH1	2480	Ant1	0.86027
NVNT	2-DH1	2402	Ant1	1.14312
NVNT	2-DH1	2441	Ant1	1.14867
NVNT	2-DH1	2480	Ant1	1.13576
NVNT	3-DH1	2402	Ant1	1.11653
NVNT	3-DH1	2441	Ant1	1.13141
NVNT	3-DH1	2480	Ant1	1.13521

OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1





OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1





OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1





OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1