



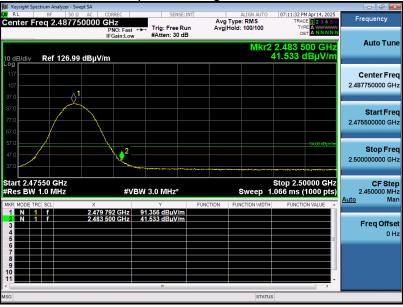
# **Band Edge Emission Test Results for Restricted Bands**

EUT Name	True Wireless Stereo Earphone	Model Name	FoKus Amadeus
Temperature	25.1℃	Relative Humidity	41%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 6	Antenna Polarity	Horizontal

Test Graph for Peak Measurement







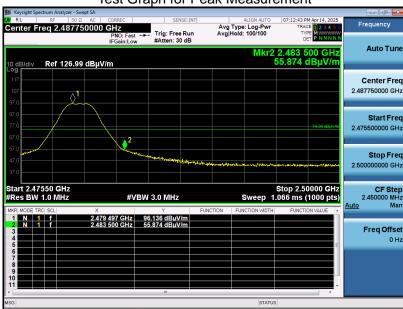
### **RESULT: PASS**



## **Band Edge Emission Test Results for Restricted Bands**

EUT Name	True Wireless Stereo Earphone	Model Name	FoKus Amadeus
Temperature	25.1℃	Relative Humidity	41%
Pressure	960hPa	Test Voltage	DC 3.6V by battery
Test Mode	Mode 6	Antenna Polarity	Vertical

Test Graph for Peak Measurement







# **RESULT: PASS**

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer.



# 12. AC Power Line Conducted Emission Test

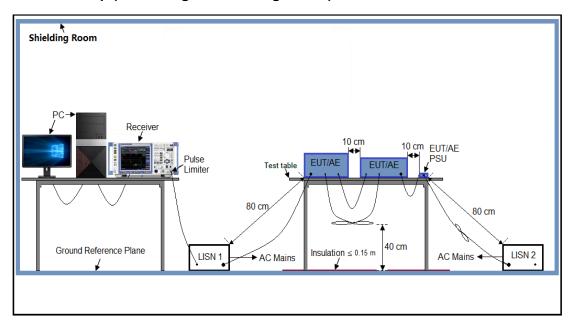
#### 12.1 Measurement Limit

Fraguency	Maximum RF Line Voltage				
Frequency	Q.P. (dBμV)	Average (dBµV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

### Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

# 12.2 Measurement Setup (Block Diagram of Configuration)





Report No.: AGC13729250401FR02 Page 70 of 74

# 12.3 Preliminary Procedure of Line Conducted Emission Test

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side).
- 7. Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 8. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 9. During the above scans, the emissions were maximized by cable manipulation.
- 10. The test mode(s) were scanned during the preliminary test.
- 11. Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 12.4 Final Procedure of Line Conducted Emission Test

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- 3. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 4. The test data of the worst case condition(s) was reported on the Summary Data page.
- 5. A conducted emission is calculated by the following equation:
  - Measurement Level (dBμV) = Receiver reading (dBμV) + Transd (dB)
  - Transd (dB)= AMN Factor(dB)+Cable Loss(dB)+Attenuation(dB)
  - Margin= Limit-Level



### 12.5 Measurement Result

	Mode 1			LIS	N Line	Neutra	al Side
Le	/el [dBμV]			•			
80 -							
70							
60				i !	!		
50						1 1 1	-
40				·		i i i 	
30	~		1	<u></u>			
20		+ <del>x</del>   =+ <del>x</del>	Mary and an analytic state of the state of t	The boundary of the last			
10				X		X	
0							
	1 1 1		1	<u> </u>	<u> </u>	<u>                                     </u>	
x x x	50k 300k 400k  MES agc_fin  ASUREMENT		Frequ	em 3M Hency [Hz]	4M 5M 6M 8	BM 10M	20M 30M
× × ×	MES agc_fin  ASUREMENT	RESULT	Frequ	ency [Hz]	4M 5M 6M 8	BM 10M	20M 30M
* * * * * * * * * * * * * * * * * * *	MES agc_fin	<b>RESULT</b>	Frequ	fin"		Detector	
<b>ME</b> 2	MES agc_fin  ASUREMENT  5/4/9 10:3	<b>RESULT</b>	Frequ	fin"			
* * * * * * * * * * * * * * * * * * *	MES agc_fin  ASUREMENT  5/4/9 10:3 Frequency MHz	RESULT  2 Level dBµV	: "agc_ Transd dB	fin"  Limit dBµV	Margin dB	Detector	. Line
* * * * * * * * * * * * * * * * * * *	ASUREMENT 5/4/9 10:3 Frequency MHz 0.354000	RESULT  2 Level dBµV 20.30	: "agc_ Transd dB 6.1	fin"  Limit dBµV	Margin dB 38.6	Detector	Line
* * * * * * * * * * * * * * * * * * *	MES agc_fin  ASUREMENT  5/4/9 10:3 Frequency MHz  0.354000 0.526000	RESULT  Level dBµV  20.30 19.30	* "agc_  Transd dB  6.1 6.2	fin"  Limit dBµV 59 56	Margin dB 38.6 36.7	Detector QP QP	. Line
* * * * * * * * * * * * * * * * * * *	ASUREMENT 5/4/9 10:3 Frequency MHz 0.354000	RESULT  2 Level dBµV 20.30	: "agc_ Transd dB 6.1	fin"  Limit dBµV	Margin dB 38.6	Detector QP QP QP QP	Line N N
* * * * * * * * * * * * * * * * * * *	ASUREMENT 5/4/9 10:3 Frequency MHz 0.354000 0.526000 0.806000	RESULT  2 Level dBμV 20.30 19.30 21.00	* "agc_  Transd dB  6.1 6.2 6.2	fin"  Limit dBµV 59 56 56	Margin dB 38.6 36.7 35.0 35.4	Detector QP QP	Line N N N

2025/4/9 10:32

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.334000	16.60	6.1	49	32.8	AV	N
0.778000	19.30	6.2	46	26.7	AV	N
1.342000	15.80	6.2	46	30.2	AV	N
2.150000	11.00	6.2	46	35.0	AV	N
12.402000	7.10	6.8	50	42.9	AV	N
13.646000	8.00	6.8	50	42.0	AV	N

## **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report is according to the submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/



		AC Powe	er Line Cond	ducted Em	nission Test		
Test Mode	Mode 1			LIS	SN Line	Hot S	ide
Le	vel [dBµV]						
80 <sub>F</sub>							
70							
60		<u> </u>				111	
50		<del> </del>	- <u></u>	<del></del>			<del> </del>
40 - 30 -		+     - 	   	- <del></del>			
20 -	X manusamusa	and you want to have	A STATE OF THE PARTY OF THE PAR			- 1 - 1 - 1	
10			The state of the s	(i x )		X	
0		; 	. <del> </del>				
-10	150k 200k 400k	600k 900k	114	)	4M EM 6M	OM 40M	2014 2014
'	150k 300k 400k	600k 800k		2M 3M uency [Hz]	4M 5M 6M	8M 10M	20M 30M
x x x	MES agc fin						
		DEC		£2"			
<i>M</i> 2	EASUREMENT	RESULT	: "agc_	IIn"			
2	025/4/9 10:28	3					
	Frequency				Margin	Detector	Line
	MHz	dBµ∇	dB	dΒμV	dB		
	0.186000	21.80	6.1	64	42.4	OP	L1
	0.822000	20.00	6.2	56	36.0	_	L1
	1.170000	20.50	6.2	56	35.5		L1
	1.918000	16.20	6.2	56	39.8	QP	L1
	2.614000	13.30	6.3	56	42.7		L1
	12.818000	14.00	6.8	60	46.0	QP	L1
м	EASUREMENT	RESULT	: "agc	fin2"			
			_				
20	025/4/9 10:28 Frequency		Mranad	T.imi+	Margin	Datastor	Line
	rrequency MHz	dBµV		dBµV	_	Decector	TITLE
	2112	шрμν	42	ωυμν	3.0		
					20.0	7.77	
	0.330000	16.60	6.1	50	32.9	AV	L1
	0.778000	18.90	6.2	46	27.1	AV	L1
	0.778000 1.334000	18.90 15.80	6.2 6.2	46 46	27.1 30.2	AV AV	L1 L1
	0.778000 1.334000 2.138000	18.90 15.80 10.80	6.2 6.2 6.2	46 46 46	27.1 30.2 35.2	AV AV AV	L1 L1 L1
	0.778000 1.334000	18.90 15.80 10.80 8.80	6.2 6.2 6.2 6.8	46 46 46 50	27.1 30.2 35.2 41.2	AV AV AV	L1 L1

# **RESULT: PASS**



Report No.: AGC13729250401FR02

Page 73 of 74

# Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC13729250401AP04

**Appendix II: Photographs of Test EUT** 

Refer to the Report No.: AGC13729250401AP05



Report No.: AGC13729250401FR02

Page 74 of 74

# Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
- 3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

  7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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