

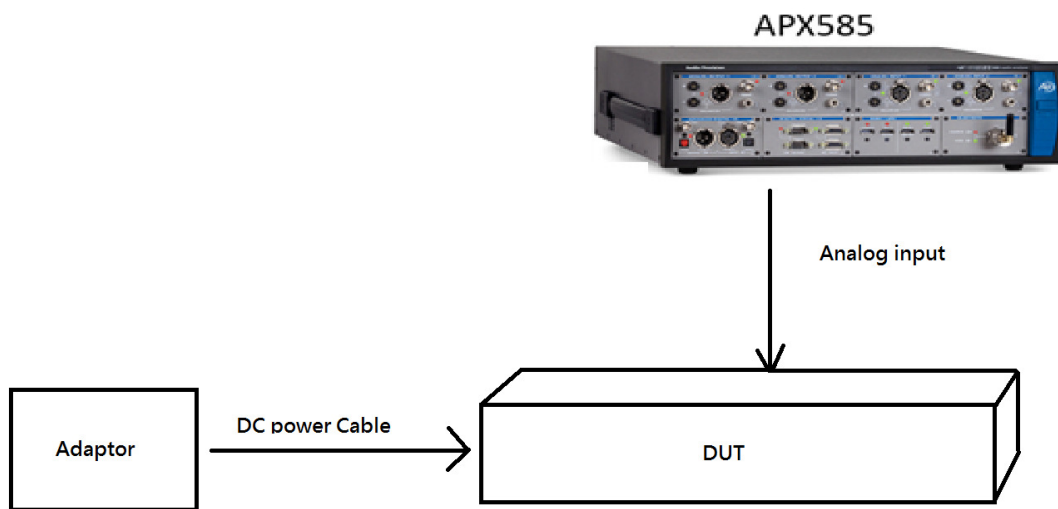
BFX-UA300

Hardware Unit Test Report

AUX (input) Test

Hardware version	FW version	Sample No.
V115	NA	PCB S/N: YUX07VA

1. Audio Test Setup



2. Test Condition

Use Audio precision send 1 KHz tone, the sample rate is 48 KHz and the input signal level is 0.7Vrms.

3. Result and Picture

	Channel	Specification (dB)		Test Result (dB)	Figure	Pass / Fail
		Min.	Max.			
Signal-to-noise ratio (SNR)	Right	TBD		82.596	Figure 1	Pass
	Left			81.618		Pass
Dynamic range (DNR)	Right	TBD		88.047	Figure 2	Pass
	Left			87.655		Pass
Total harmonic Distortion (THD)	Right		<1%	0.008360 %	Figure 3	Pass
	Left			0.011067 %		Pass

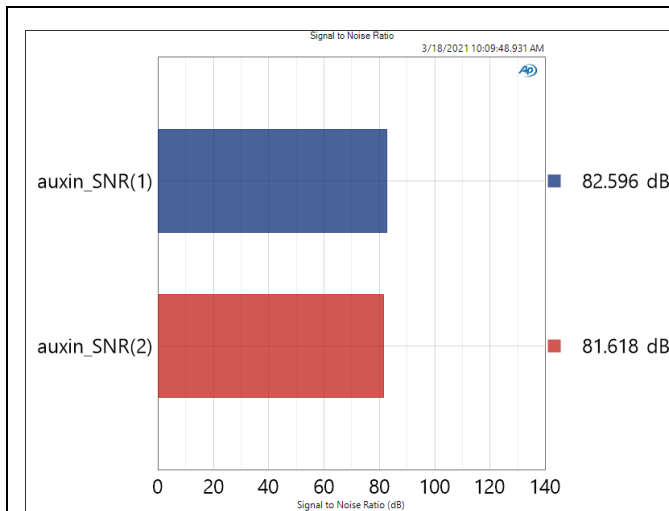


Fig. 1: SNR

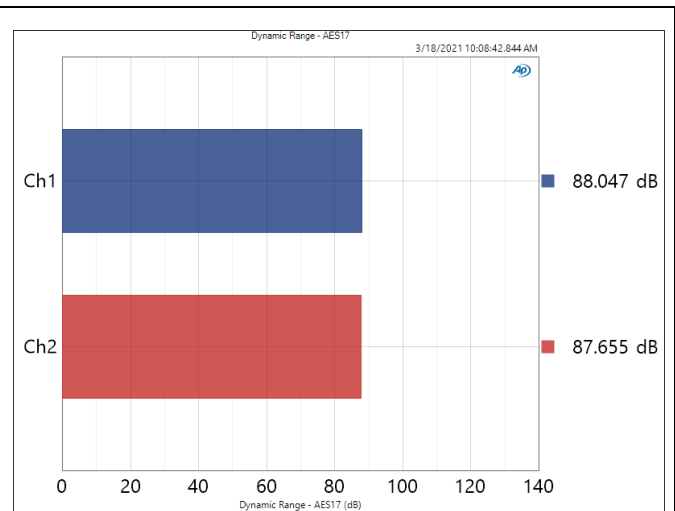


Fig. 2: DNR

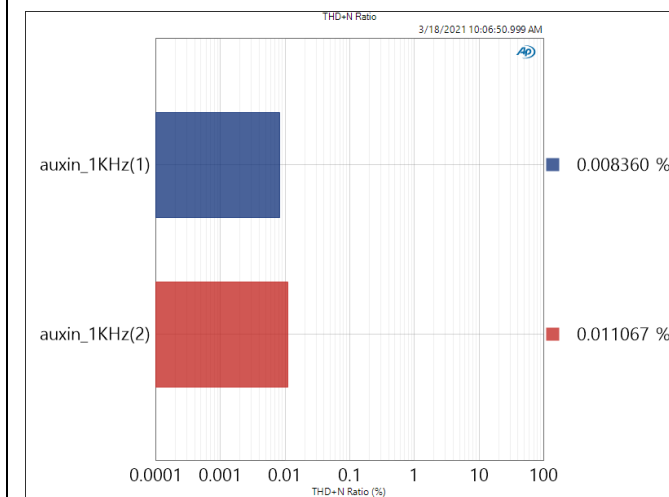


Fig. 3: THD

4. Frequency response

Fig. 4 shows 20Hz~20 KHz THD+N ratio.

Fig. 5 shows the RMS Level is below ± 0.5 db at 20Hz~20 KHz.

4.1 Result and Picture

Frequency Response	Specification (dB)		Test Result (dB)	Figure	Pass/Fail
	Min.	Max.			
THD+N Ratio		<1%	<0.25	Fig.4	Pass
RMS Level			See Fig.5	Fig.5	Pass

