



Room Audio Measurements

Audio Visual

Date of Test: XX/XX/20XX

1. Audio Testing – System Noise

Refer section 4.3 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
Above Ambient, LAeq dB(A)	< 0	0 – 5	> 5
Postion 1			
Postion 2			
Postion 3			
Postion 4			
Postion 5			
Postion 6			
Postion 7			
Postion 8			
Postion 9			



2. Audio Testing – SPL (Program)

Refer section 4.9 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
Peak Digital Signal Level, dB(A)Slow	85	75-85	<75
Left FOH Speaker			
Right FOH Speaker			

3. Audio Testing – SPL (Speech)

Refer section 4.9 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
Peak Digital Signal Level, LAeq dB(A)	65 – 70	60 – 65	< 60
Left FOH Speaker			
Right FOH Speaker			

4. Frequency Response (Program)

Refer sections 4.14 & 4.16 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
Internal Noise LAeq, dB(A) (100Hz – 10kHz)	all deviations fall within ± 3 dB	when all deviations fall within $+3/-10$ dB	any deviations fall outside $+3/-10$ dB
Left FOH Speaker			
Right FOH Speaker			

5. Frequency Response (Speech)

Refer sections 4.14 & 4.16 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
Internal Noise LAeq, dB(A) (100Hz – 10kHz)	all deviations fall within ± 3 dB	when all deviations fall within $+3/-10$ dB	any deviations fall outside $+3/-10$ dB
Left FOH Speaker			
Right FOH Speaker			

6. Audio Testing – Coverage Uniformity

Refer section 4.20 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
dB(Z)Slow	> 90	> 75	< 75
Postion 1			
Postion 2			
Postion 3			
Postion 4			
Postion 5			
Postion 6			
Postion 7			
Postion 8			
Postion 9			

7. Audio Testing – Speech Transmission Index (STI)

Refer section 4.27 of “AV-DOC-02-V3.00--Converged AV Deployment Guide” for further information.

Note: Time of measurement. Ensure air conditioner and any other relevant devices are operating.

	Desirable	Acceptable	Unacceptable
dB(Z)Slow	> 0.68	0.68 – 0.56	< 0.56
Postion 1			
Postion 2			
Postion 3			
Postion 4			
Postion 5			
Postion 6			
Postion 7			
Postion 8			
Postion 9			