

Data Matrix for Techny Towers

Test Position 1 - 20 ft (6 m)



Anechoic

DUT	STI	STIPA	C50(dB)	RIR	Speech	Music
Balloon Pop						
Dodec	.56	.48	2.4			
NTI Talkbox	.58	.51	1.5			
Danley SBH 10	.72	.72	9.6			
EAW DSA250Z	.70	.71	6.5			
Intellivox DXS280	.66	.68	12.7			
Intellivox DC500 (House)	.63	.64	2.7			
Meyer CAL	.45	.58	-2.0			
RCF VSA2050	.72	.69	8.6			
Renkus-Heinz IC24	.82	.78	11.5			
Tannoy QFlex	.74	.70	7.1			

* Test Level: LAeq = 76 dB @ TP1 (20ft)

* Ambient Noise: 40 dBA

* All measures from
omni mic pattern

* STIPA is average of 3 measurements

* C50 is broad band

* RIR and convolutions are
XY cardioid mic pattern

Test Position 2 - 40 ft (12 m)

DUT	STI	STIPA	C50(dB)	RIR	Speech	Music
Balloon Pop						
Dodec	.44	.38	-2.5			
NTI Talkbox	.50	.40	-1.4			
Danley SBH 10	.63	.64	5.4			
EAW DSA250Z	.59	.61	3.3			
Intellivox DXS280	.66	.64	7.5			
Intellivox DC500 (House)	.58	.53	1.6			
Meyer CAL	.62	.62	5.2			
RCF VSA2050	.68	.67	7.1			
Renkus-Heinz IC24	.68	.69	6.3			
Tannoy QFlex	.68	.68	6.2			

Test Position 3 - 80 ft (24 m)

DUT	STI	STIPA	C50(dB)	RIR	Speech	Music
Balloon Pop			-5.2			
Dodec	.38	.36	-5.4			
NTI Talkbox	.43	.31	-5.2			
Danley SBH 10	.54	.55	1.1			
EAW DSA250Z	.45	.46	-2.0			
Intellivox DXS280	.55	.58	1.1			
Intellivox DC500 (House)	.61	.59	2.3			
Meyer CAL	.57	.57	2.1			
RCF VSA2050	.56	.59	3.2			
Renkus-Heinz IC24	.54	.61	0.4			
Tannoy QFlex	.55	.58	0.1			

Instrumentation/Software

STI: ARTA (male)

STIPA: NTI XL2

C50: ReflPhinder

Post-Processing: ReflPhinder

Convolutions: ReflPhinder

Speech Track: Bill Rohlfing

Music Track: Chapman Stick (pb)

Room Reverberation Time

F (Hz)	63	125	250	500	1k	2k	4k	8k
T30 (s)	4.0	3.3	4.2	4.4	4.0	2.8	1.4	0.9

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