

Transmission Loss Plot (Integrity Gaskets)

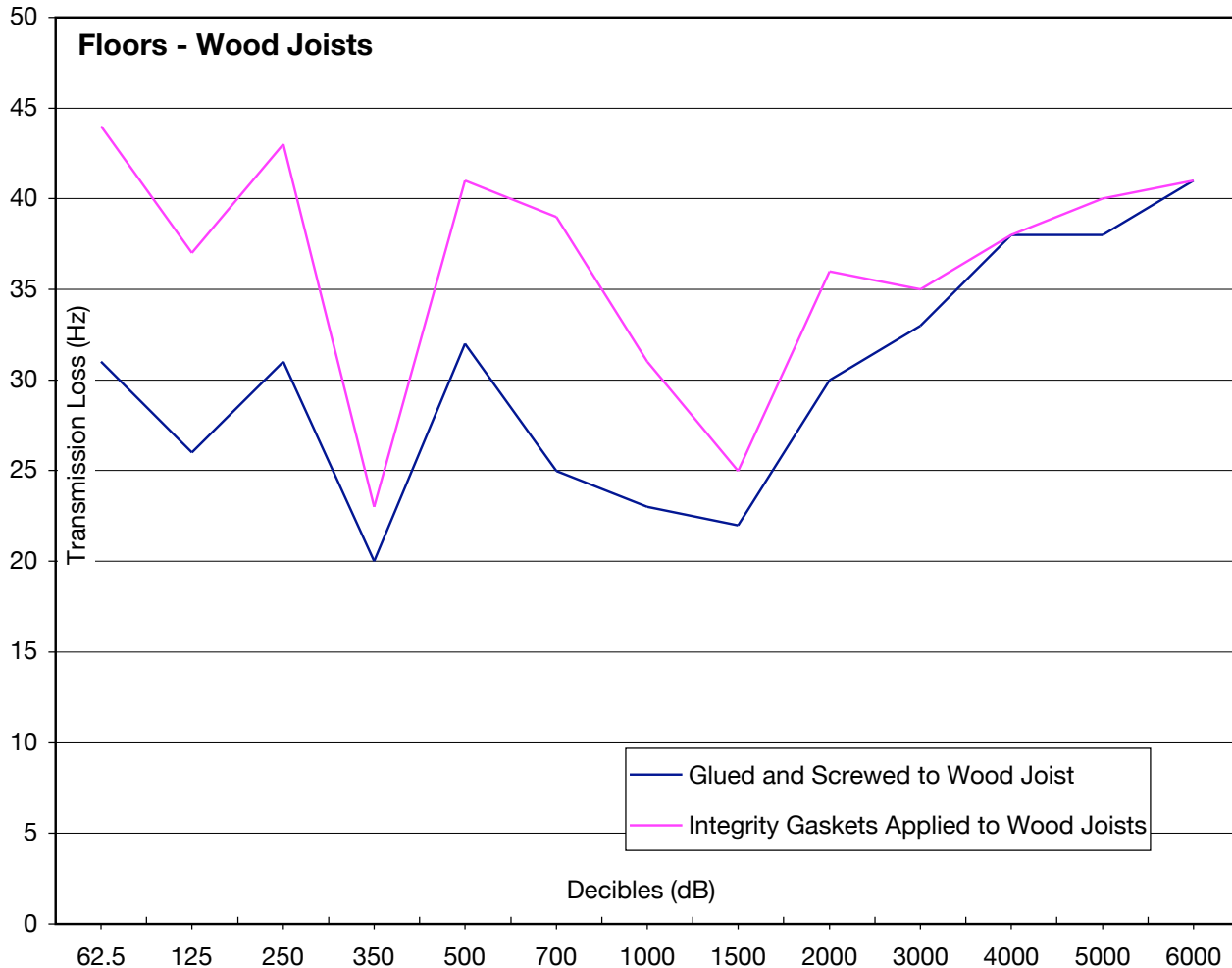
The chart below illustrates the about of dB deflected from source room to receiving room. Source room Sounds generated in the rooms were very loud, in the 100-110 dB range. Levels on the receiving side ranged from 60 dB to as high as 88 dB, depending on the tone frequency input, music input and on the resonant frequencies of some structural components. Tabulated test results follow.



Frequency	62.5	125	250	350	500	700	1000	1500	2000	3000	4000	5000	6000	2000	2500	3150	4000	5000
Steel Joists - Screwed Only	27	18	26	16	30	21	14	16	24	30	36	35	35	38	40	42	43	43
Steel Joist with Integrity Gaskets	34	37	43	33	41	38	31	25	36	36	38	41	41	34	35	36	37	37
Improvement with Integrity Gaskets	7	19	16	17	11	17	17	9	12	6	2	6	6	34	35	36	37	37

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Frequency	62.5	125	250	350	500	700	1000	1500	2000	3000	4000	5000	6000	2000	2500	3150	4000	5000
Glued and Screwed to Wood Joist	31	26	31	20	32	25	23	22	30	33	38	38	41	38	40	42	43	43
Integrity Gaskets Applied to Wood Joists	44	37	43	23	41	39	31	25	36	35	38	40	41	34	35	36	37	37
Improvement With Integrity Gaskets	3	11	12	13	9	14	8	3	6	2	0	2	0	34	35	36	37	37

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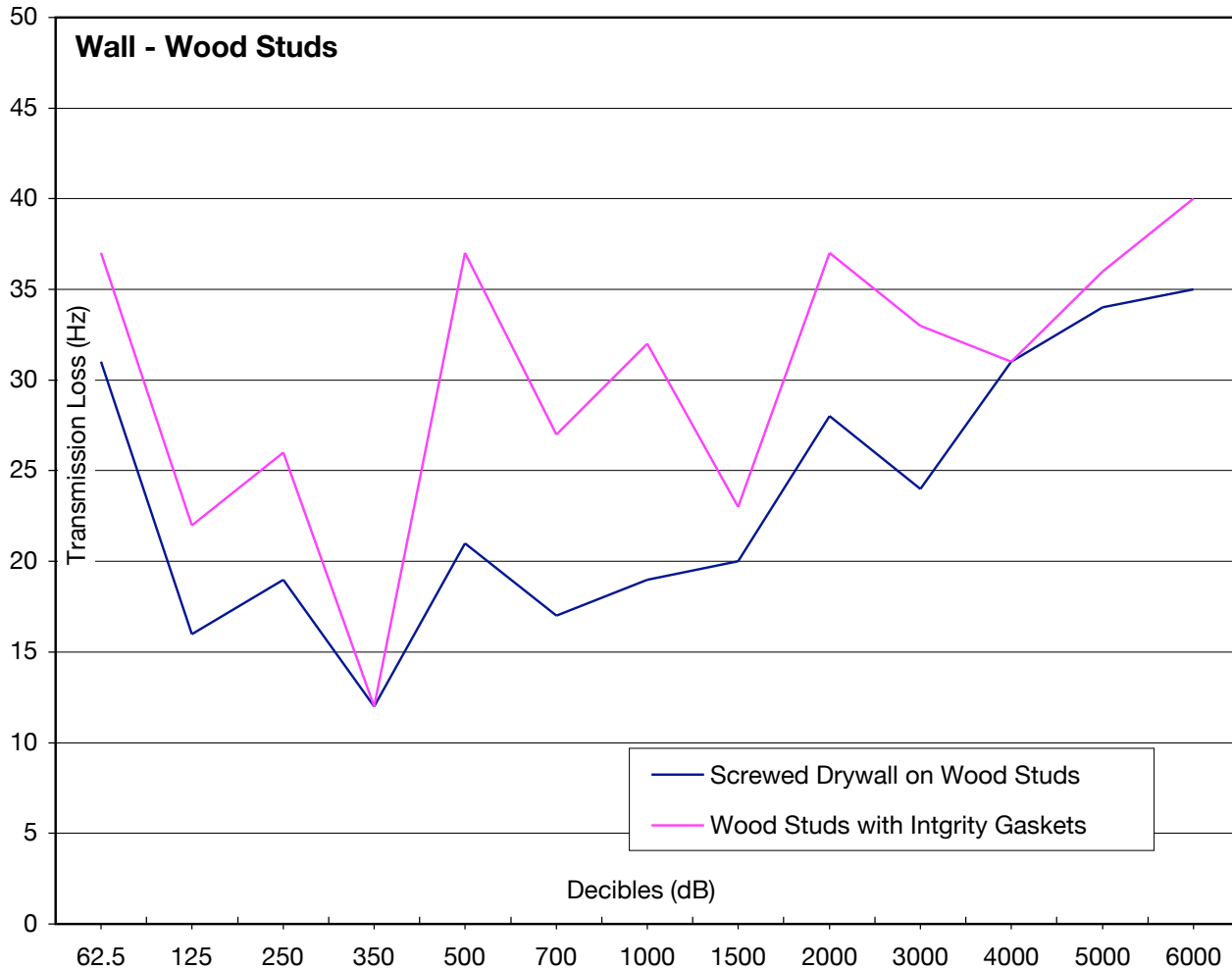
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Frequency	62.5	125	250	350	500	700	1000	1500	2000	3000	4000	5000	6000	2000	2500	3150	4000	5000
Screwed Drywall on Steel Studs	27	11	13	8	16	13	16	15	22	20	18	31	32	38	40	42	43	43
Steel Studs with Integrity Gaskets	37	22	26	13	35	27	31	23	37	33	31	36	40	34	35	36	37	37
Improvement with Integrity Gaskets	10	11	13	5	19	14	15	8	12	13	3	5	8	34	35	36	37	37

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Frequency	62.5	125	250	350	500	700	1000	1500	2000	3000	4000	5000	6000	2000	2500	3150	4000	5000
Screwed Drywall on Wood Studs	31	16	19	12	21	17	19	20	28	24	31	34	35	38	40	42	43	43
Wood Studs with Integrity Gaskets	37	22	26	12	37	27	32	23	37	33	31	36	40	34	35	36	37	37
Improvement with Integrity Gaskets	6	6	7	0	16	10	13	3	9	9	0	2	5	34	35	36	37	37