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Subject: Re: Effects of a low pass notch filter on BR versus TL: speculations

Posted by [roncla](#) on Thu, 01 Apr 2004 03:31:21 GMT

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A transmission line has a primary resonant frequency, but it also has multiple harmonics above that. So I would expect a transmission line to have more resonances than a bass-reflex cabinet, with the TL acting sort of like a horn. True, but in a straight TL the harmonics are in an odd multiple order. In a TQWT the harmonics are in an even order (closer together) which gives a greater LF response bandwidth. Even though the TQWT will not go quite as low as a TL in frequency (given the same sound path length) I like the TQWT a bit better as the LF has a better response over a greater frequency range. ron

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