

The 16 horns have been sorted in 5 classes according to the level of their main reflection and diffraction at the microphone

sorting based on main reflection level	main reflection level (dB)	Note (1 is best, 5 is worst)
N°10 : Acoustichorn AH300 conical horn + RCA 1428B driver	-20	1
N°11 : Electrovoice 6040 horn + Altec 288-16K driver	-15,75	2
N°9 : Musique Concrète J321 Le Cleac'h horn + TAD TD2001 driver	-15	2
N°6 : Avant-Garde horn + TAD 4001 driver	-14,5	3
N°2 : Altec Lansing Mantaray horn + Altec Lansing 909 driver	-14,2	3
N°12 : JBL 235. biradial horn + Altec Lansing 288-8K driver	-13,75	3
N°7 : Gaumont Kalee (Vitavox?) horn + Gaumont driver	-13,5	3
N°13 : Stereolab tractrix horn + Vitavox S2 driver	-12	4
N°14 : Stereolab tractrix horn + Yamaha JA6681B driver	-11,5	4
N°1 : Mélodium 8 cells horn + diy throat + Altec Lansing 802-8D driver	-11,5	4
N°8 : Klangfilm square horn and acoustic lens + field coil Klangfilm driver	-10,75	4
N°16 : Klangfilm square horn + AINiCo driver	-10	4
N°3 : Le Dauphin horn + TAD2001 driver without rear cover	-9,5	5
N°5 : Smith horn (JBL2397 replica) + JBL 2441 driver	-9	5
N°15 : Lansing 808 8 cells horn + JBL D175 driver + DIY diaphragm	-9	5
N°4 : Fostex A200 + ACR driver	-8	5

sorting based on main diffraction level	main diffraction level (dB)	Note (1 is best, 5 is worst)
N°6 : Avant-Garde horn + TAD 4001 driver	-30	1
N°9 : Musique Concrète J321 Le Cleac'h horn + TAD TD2001 driver	-30	1
N°3 : Le Dauphin horn + TAD2001 driver without rear cover	-25,2	2
N°1 : Mélodium 8 cells horn + diy throat + Altec Lansing 802-8D driver	-25	2
N°14 : Stereolab tractrix horn + Yamaha JA6681B driver	-24	2
N°7 : Gaumont Kalee (Vitavox?) horn + Gaumont driver	-22,5	2
N°5 : Smith horn (JBL2397 replica) + JBL 2441 driver	-21,5	3
N°4 : Fostex A200 + ACR driver	-18,5	3
N°16 : Klangfilm square horn + AINiCo driver	-18,25	3
N°12 : JBL 235. biradial horn + Altec Lansing 288-8K driver	-18	3
N°13 : Stereolab tractrix horn + Vitavox S2 driver	-18	3
N°15 : Lansing 808 8 cells horn + JBL D175 driver + DIY diaphragm	-16,75	4
N°8 : Klangfilm square horn and acoustic lens + field coil Klangfilm driver	-16,5	4
N°11 : Electrovoice 6040 horn + Altec 288-16K driver	-16	4
N°2 : Altec Lansing Mantaray horn + Altec Lansing 909 driver	-14	5
N°10 : Acoustichorn AH300 conical horn + RCA 1428B driver	-12	5