# Informe de calidad de audio

**Informe generado el 03-11-2022 15:46:16**

## Test de linealidad aérea:

En este test se busca encontrar la linealidad del test aéreo de 60 a 20 dBHL en todas sus frecuencias a pasos de 5 dBHL.

| 125 Hz | 250 Hz | 500 Hz | 750 Hz | 1000 Hz | 1500 Hz | 2000 Hz | 3000 Hz | 4000 Hz | 6000 Hz | 8000 Hz |
|---|---|---|---|---|---|---|---|---|---|---|
| -29.0 | -25.0 | -28.0 | -29.0 | 50.0 | -38.0 | -30.0 | -14.0 | -32.0 | -27.0 | -25.0 |
| -24.0 | -27.0 | -25.0 | -35.0 | 50.0 | -26.0 | -30.0 | -15.0 | -35.0 | -25.0 | -25.0 |
| -26.0 | -28.0 | -26.0 | -23.0 | 50.0 | -27.0 | -34.0 | -16.0 | -29.0 | -30.0 | -19.0 |
| -47.0 | -32.0 | -26.0 | -28.0 | 50.0 | -36.0 | -31.0 | -14.0 | -40.0 | -22.0 | -24.0 |
| -29.0 | -24.0 | -32.0 | -27.0 | 50.0 | -27.0 | -36.0 | -14.0 | -27.0 | -25.0 | -17.0 |
| -34.0 | -26.0 | -35.0 | -21.0 | 50.0 | -25.0 | -38.0 | -15.0 | -33.0 | -23.0 | -15.0 |
| -37.0 | -26.0 | -31.0 | -25.0 | 50.0 | -22.0 | -35.0 | -13.0 | -35.0 | -24.0 | -25.0 |
| -40.0 | -22.0 | -25.0 | -29.0 | 50.0 | -26.0 | -35.0 | -14.0 | -32.0 | -29.0 | -24.0 |
| -24.0 | -25.0 | -37.0 | -27.0 | 50.0 | -27.0 | -37.0 | -15.0 | -33.0 | -21.0 | -28.0 |

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## Test de linealidad ósea:

En este test se busca encontrar la linealidad del test óseo de 30 a -10 dBHL, en todas sus frecuencias a pasos de 5 dBHL.

| 250 Hz | 500 Hz | 750 Hz | 1000 Hz | 1500 Hz | 2000 Hz | 3000 Hz | 4000 Hz |
|---|---|---|---|---|---|---|---|
| 185.0 | 439.0 | 692.0 | 1018.0 | 1436.0 | 1924.0 | 2939.0 | 3916.0 |
| 181.0 | 440.0 | 692.0 | 1018.0 | 1436.0 | 1921.0 | 2938.0 | 3914.0 |
| 190.0 | 440.0 | 694.0 | 1018.0 | 1434.0 | 1928.0 | 2940.0 | 3918.0 |
| 191.0 | 438.0 | 695.0 | 1018.0 | 1432.0 | 1933.0 | 2939.0 | 3907.0 |
| 192.0 | 435.0 | 693.0 | 1018.0 | 1434.0 | 1937.0 | 2940.0 | 3915.0 |
| 186.0 | 437.0 | 693.0 | 1018.0 | 1436.0 | 1931.0 | 2937.0 | 3900.0 |
| 189.0 | 441.0 | 692.0 | 1018.0 | 1438.0 | 1933.0 | 2938.0 | 3914.0 |
| 186.0 | 441.0 | 691.0 | 1018.0 | 1436.0 | 1934.0 | 2939.0 | 3914.0 |
| 187.0 | 440.0 | 693.0 | 1018.0 | 1435.0 | 1933.0 | 2939.0 | 3910.0 |

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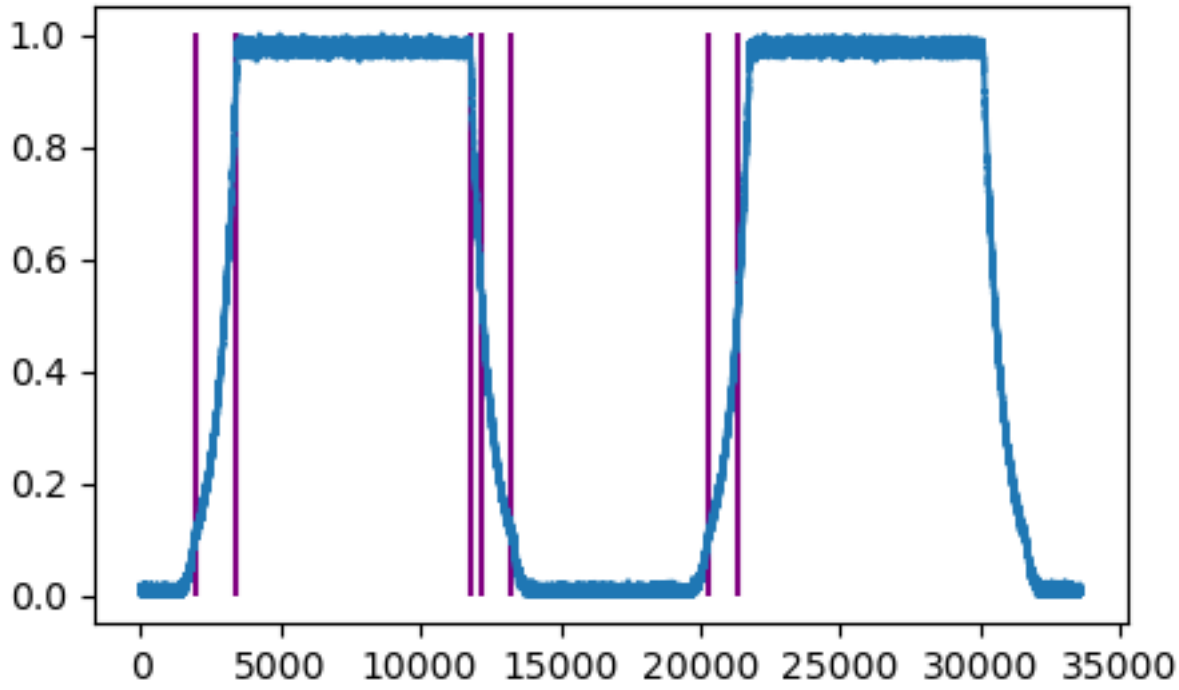
## Test de tono pulsante:

En este test se busca encontrar los tiempos de Rise time, Fall time, On time y On/Off time del tono pulsante.

| Tiempos [ms]: | Resultado |
|---|---|
| Rise time | 32.34 |
| Fall time | 31.79 |
| On time | 190.88 |
| On/Off time | 206.55 |



## Test de nivel vocal:

Para este test se grabaran a 85 dBHL el conjunto de palabras sin silencio de las listas:

* Dr. Tato adultos
* Dr. Tato niños
* SRT E IRF (masculino)
* SRT E IRF (femenino)
* Audicom

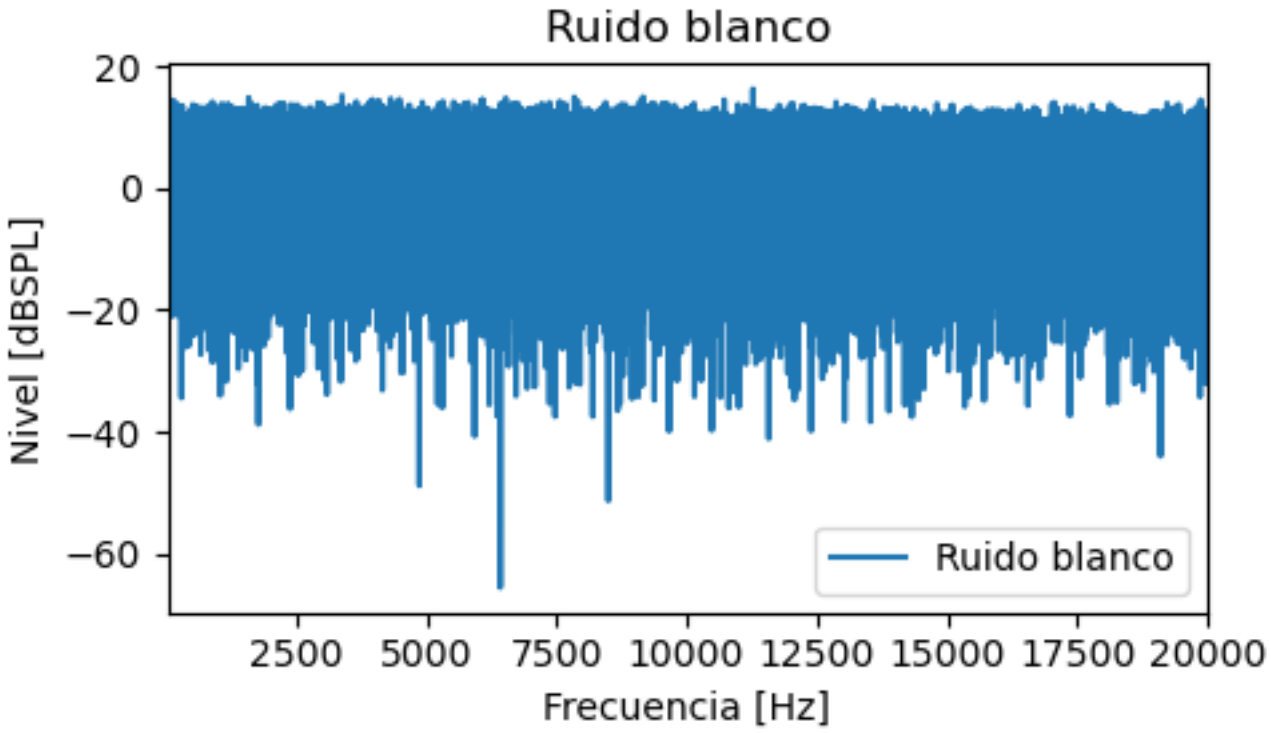
| Lista | Nivel vocal [dBHL] |
|---|---|
| Dr. Tato adultos | 45.51 |
| Dr. Tato niños | 45.51 |
| SRT E IRF (masculino) | 45.52 |
| SRT E IRF (femenino) | 45.52 |
| Audicom | 45.52 |

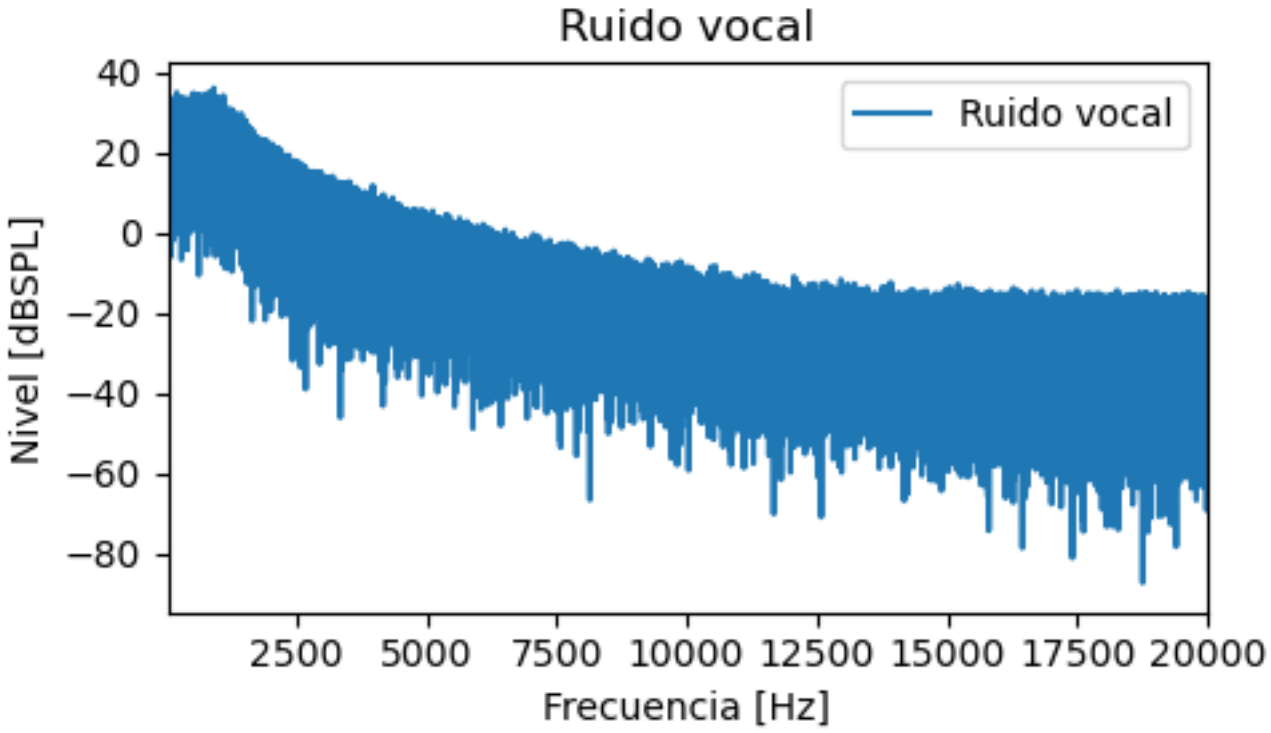
Test de respuesta en frecuencia: (A venir)

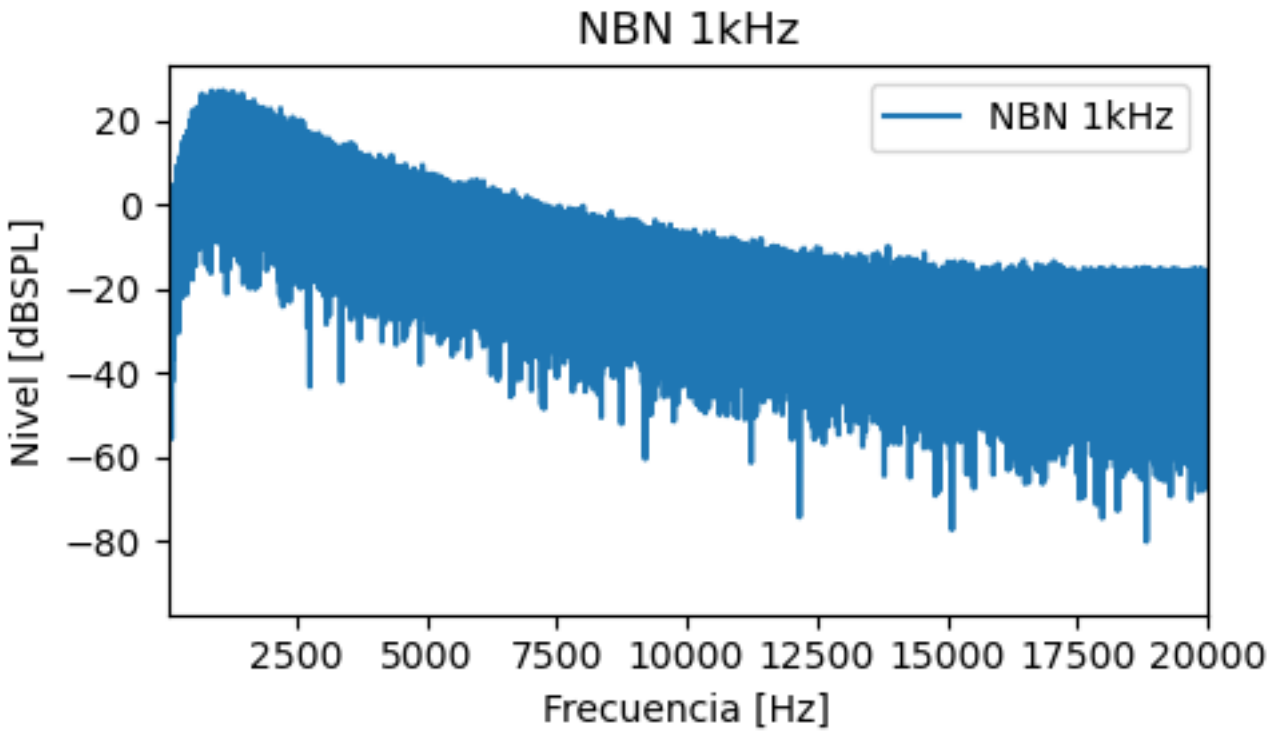
## Test de ruido:

Para este test se graban a 70 dBHL 3 tipos de ruido: Blanco, Vocal y NBN a 1kHz. Para su representación, se observa una tabla con los valores obtenidos y la respuesta en frecuencia de cada uno.

| Tipo | Nivel [dBSPL] |
|---|---|
| Ruido blanco | 57.88 |
| Ruido vocal | 66.94 |
| NBN 1kHz | 59.7 |




Ruido vocal
Ruido vocal
Nivel [dBSPL]
40
20
0
−20
−40
−60
−80
2500
5000
7500
10000
12500
15000
17500
20000
Frecuencia [Hz]


NBN 1kHz
NBN 1kHz
Nivel [dBSPL]
20
0
−20
−40
−60
−80
2500
5000
7500
10000
12500
15000
17500
20000
Frecuencia [Hz]

## Test de warble Tone:

Para este test se buscan las frecuencia de mensaje y moduladora del Warble Tone.

| Carrier frequency [Hz] | Modulating frequency [Hz] |
|---|---|
| 125 | 1.5 |
| 250 | 1.5 |
| 500 | 1.0 |
| 750 | 1.5 |
| 1000 | 1.5 |
| 1500 | 1.5 |
| 2000 | 1.0 |
| 3000 | 1.0 |
| 4000 | 1.5 |
| 6000 | 1.0 |
| 8000 | 1.0 |