

## RightMark Audio Analyzer test report

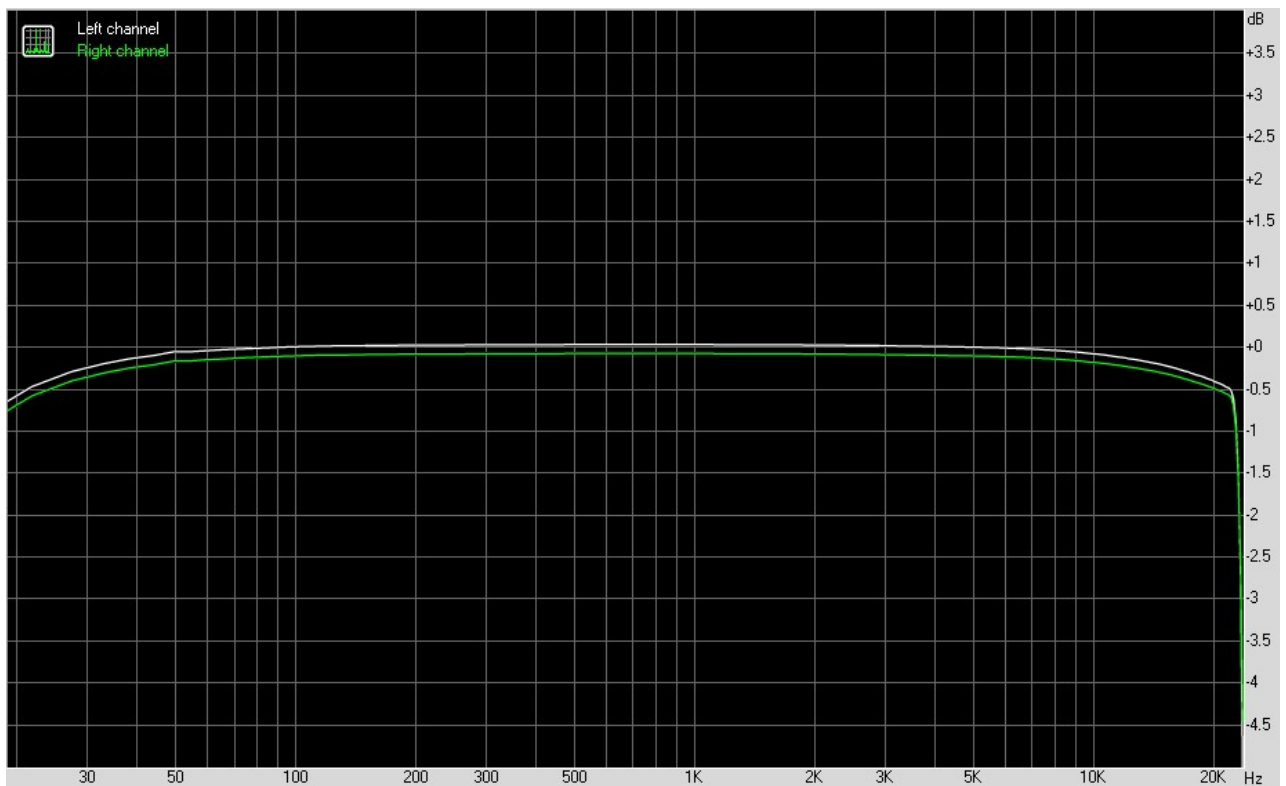
Testing device	smsl_m6_headphone
Sampling mode	24-bit, 48 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-0.2 dB / -0.3 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

### Summary

Frequency response (from 40 Hz to 15 kHz), dB	+0.03, -0.22	Very good
Noise level, dB (A)	-94.5	Very good
Dynamic range, dB (A)	94.5	Very good
THD, %	0.00446	Very good
THD + Noise, dB (A)	-83.0	Good
IMD + Noise, %	0.015	Very good
Stereo crosstalk, dB	-77.3	Very good
IMD at 10 kHz, %	0.020	Very good
<b>General performance</b>		<b>Very good</b>

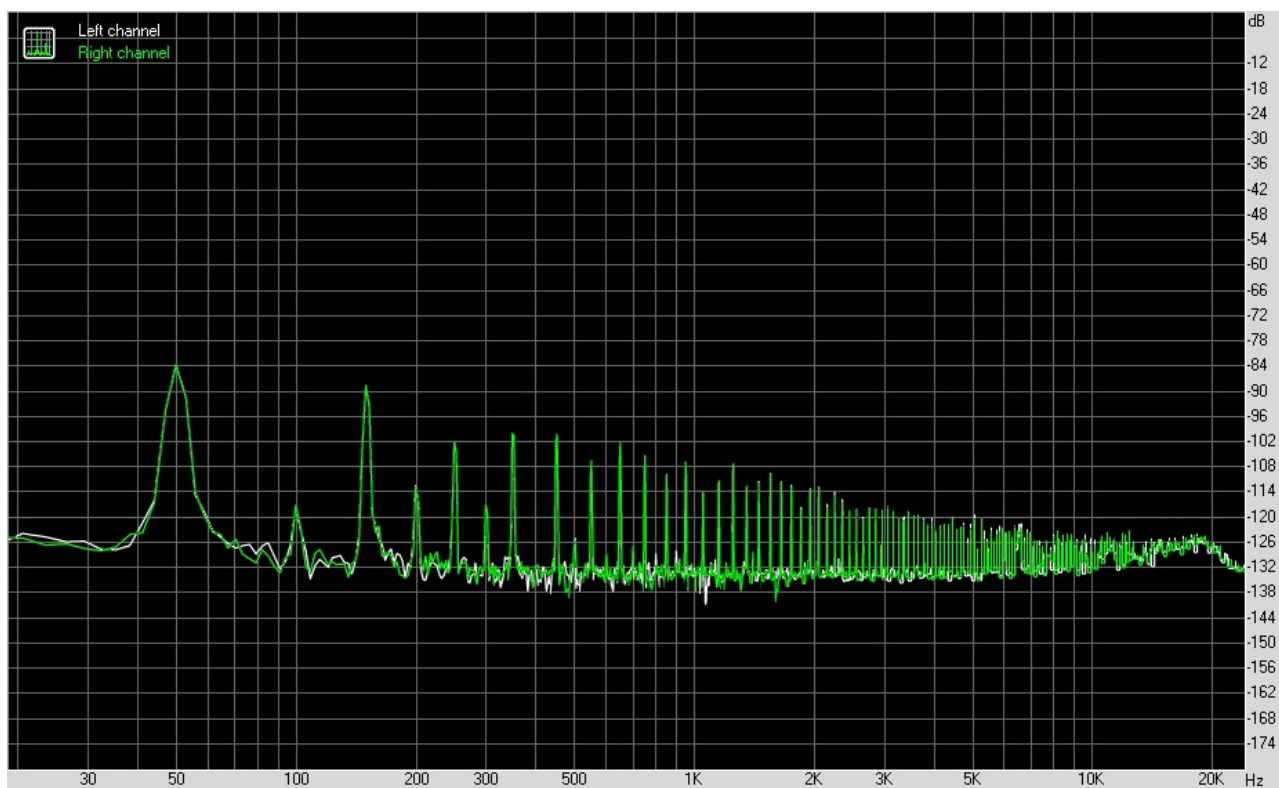
### Frequency response



	Left	Right
From 20 Hz to 20 kHz, dB	-0.58, +0.03	-0.70, -0.08

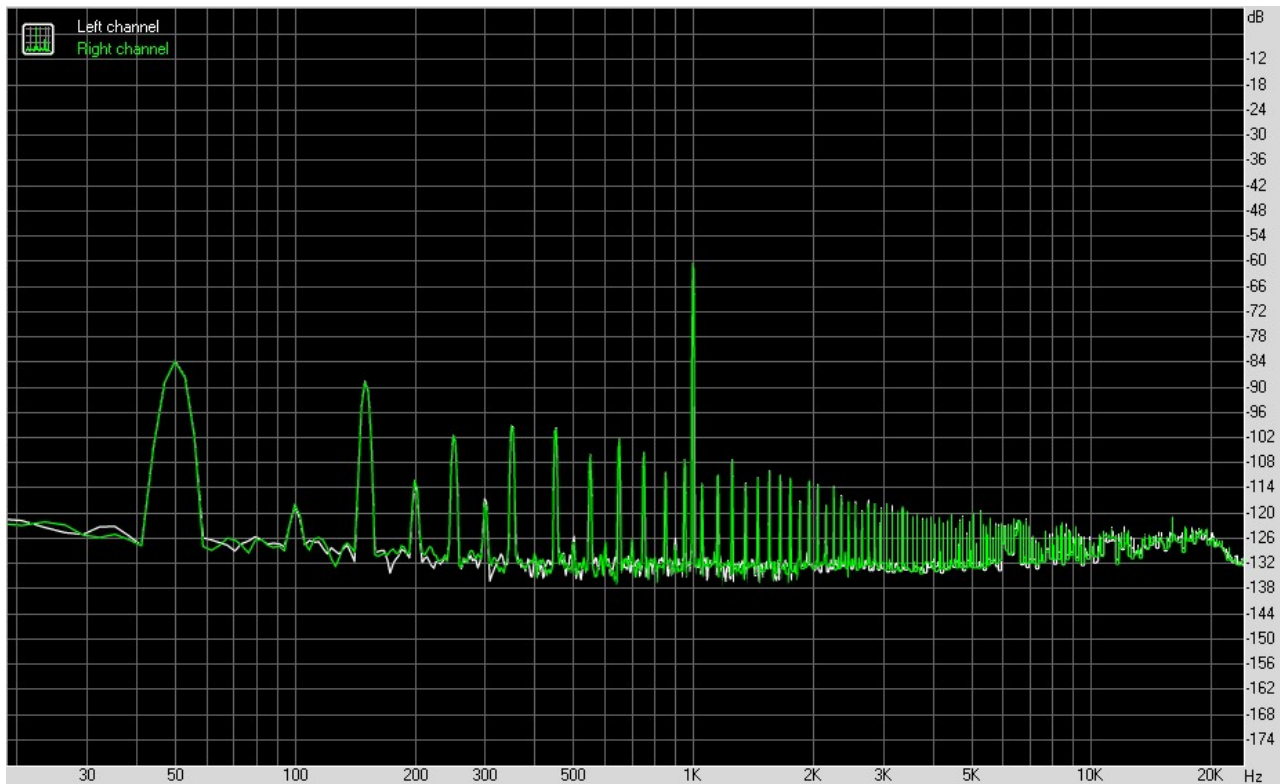
From 40 Hz to 15 kHz, dB    -0.22, +0.03   -0.31, -0.08

### Noise level



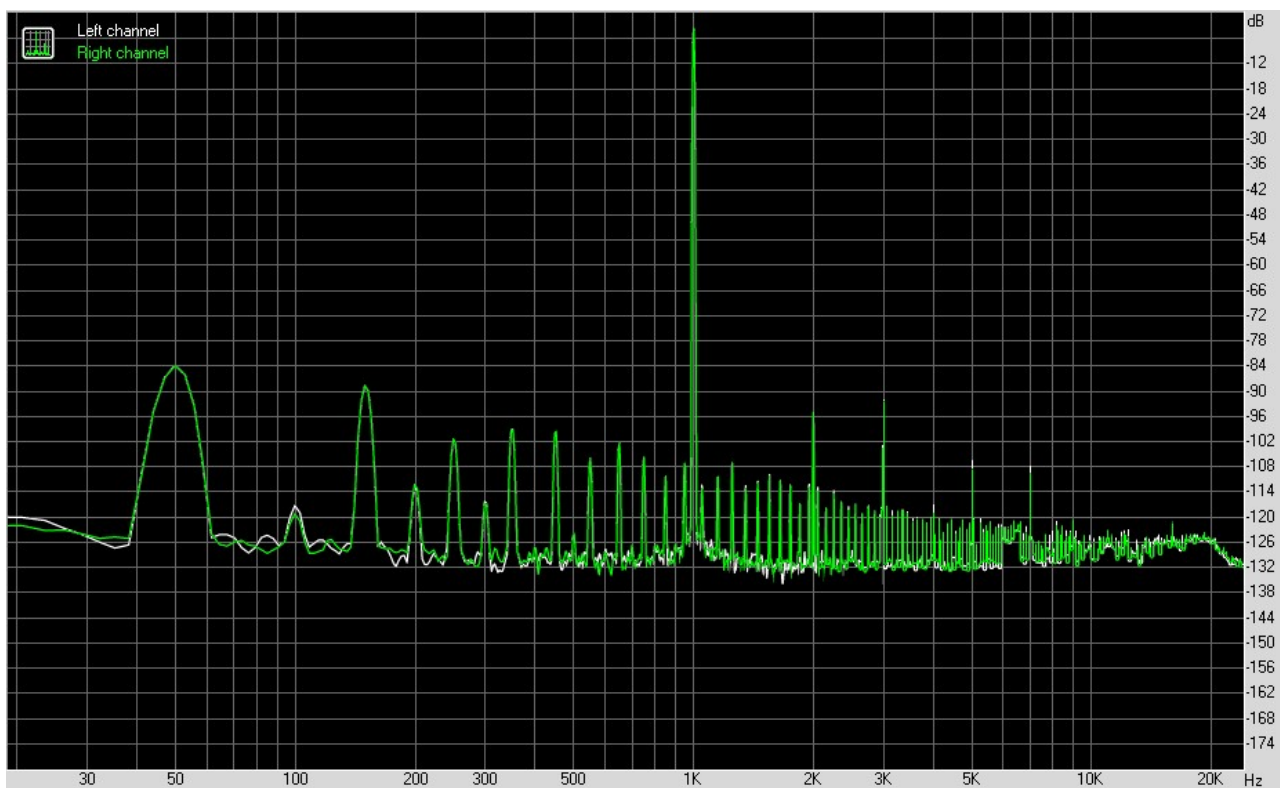
	Left	Right
RMS power, dB	-84.9	-85.0
RMS power (A-weighted), dB	-94.4	-94.5
Peak level, dB FS	-73.6	-74.1
DC offset, %	+0.0	+0.0

## Dynamic range



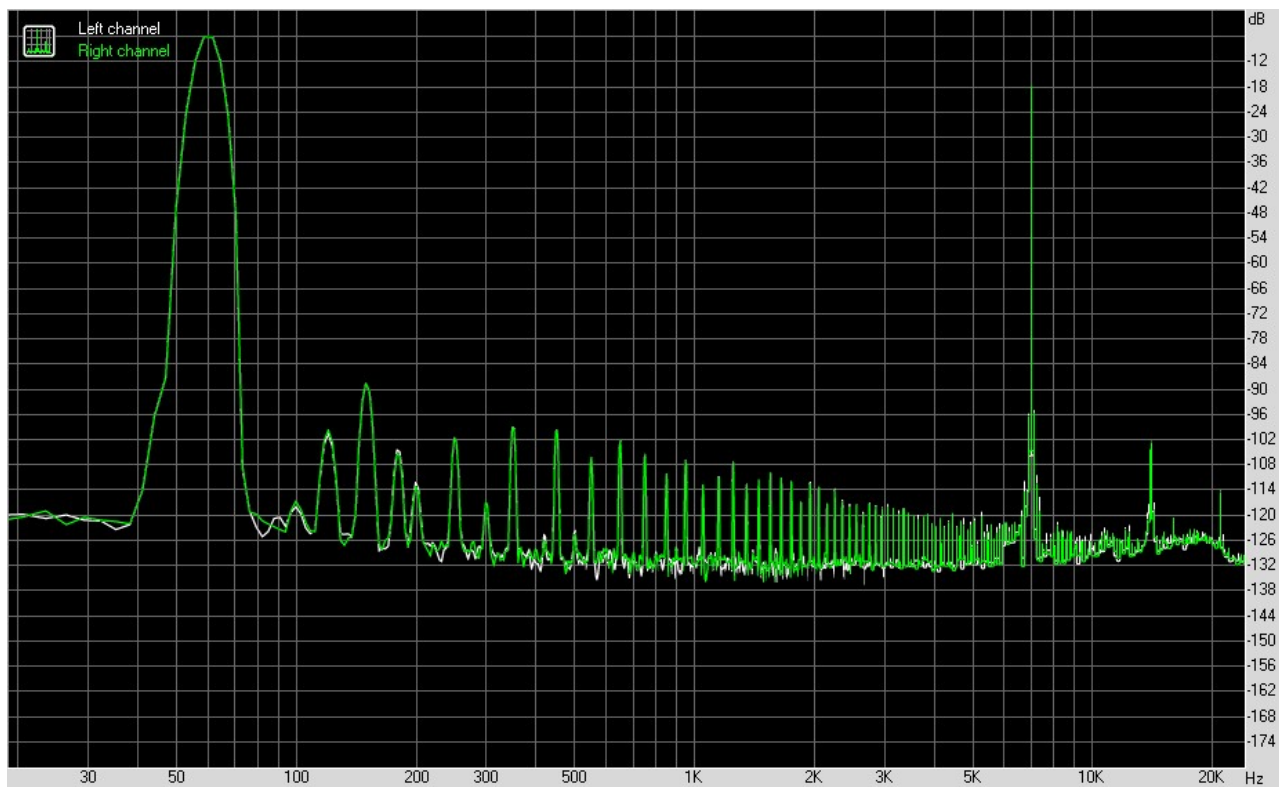
	Left	Right
Dynamic range, dB	+84.9	+85.1
Dynamic range (A-weighted), dB	+94.5	+94.6
DC offset, %	-0.00	-0.00

## THD + Noise (at -3 dB FS)



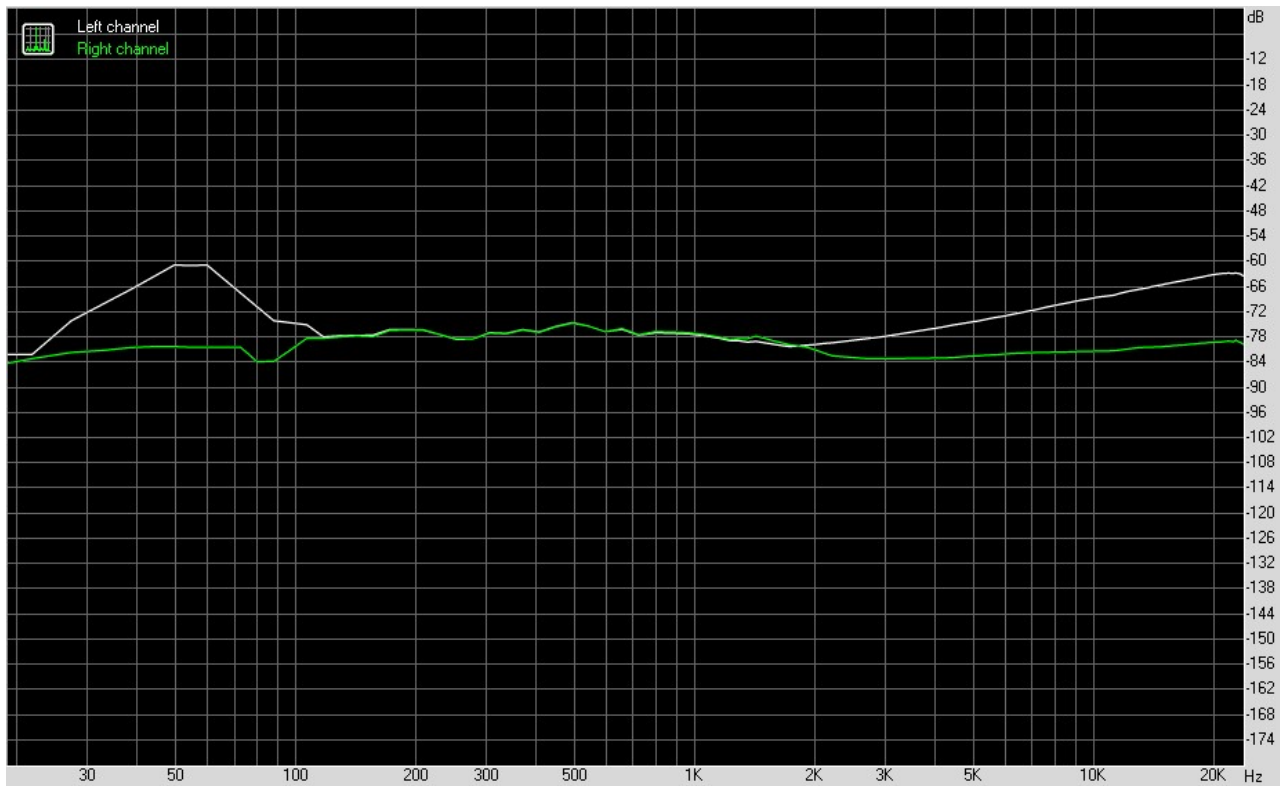
	Left	Right
THD, %	0.00447	0.00445
THD + Noise, %	0.01241	0.01249
THD + Noise (A-weighted), %	0.00708	0.00707

### Intermodulation distortion



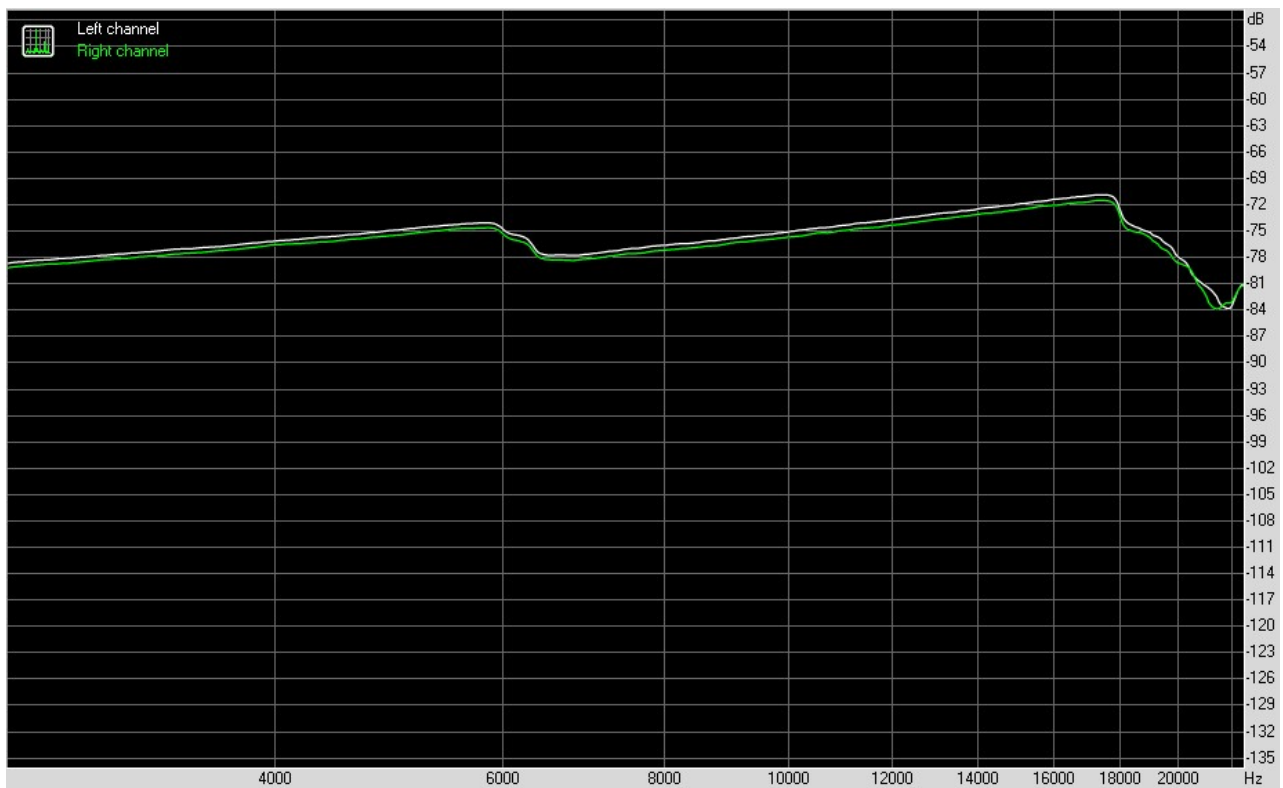
	Left	Right
IMD + Noise, %	0.01521	0.01530
IMD + Noise (A-weighted), %	0.00680	0.00668

## Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-74	-79
Crosstalk at 1000 Hz, dB	-76	-76
Crosstalk at 10000 Hz, dB	-68	-80

## IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.01805	0.01690
IMD + Noise at 10000 Hz,	0.01762	0.01642
IMD + Noise at 15000 Hz,	0.02523	0.02345