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..... 1

..... 1

..... 1

..... 1

..... 5

IMD 5

..... 5

..... 6

Tube 7

Transformer 8

Tape 8

THD 13

..... 14

THD 15

THD 15

Reference 16

..... 17

..... 17

..... 17

..... 17

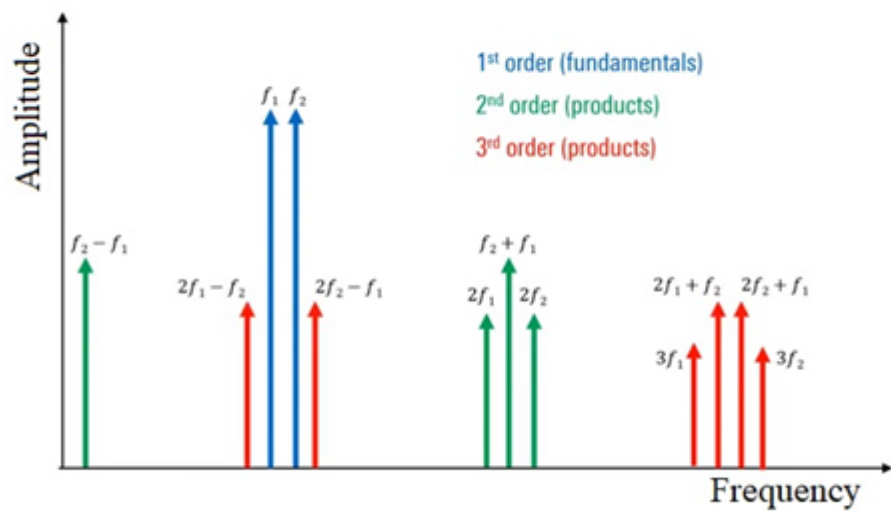
Distortion

IMD

Intermodulation Distortion

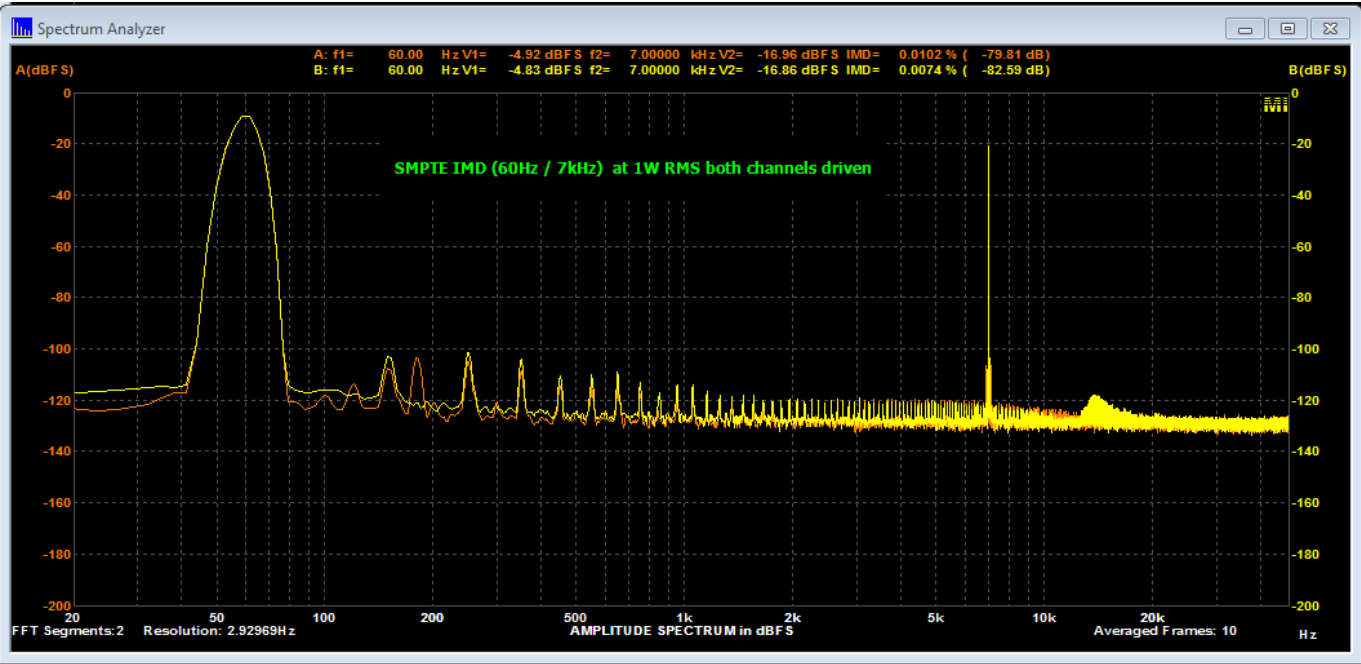
가

Harmonics & Intermodulation Products



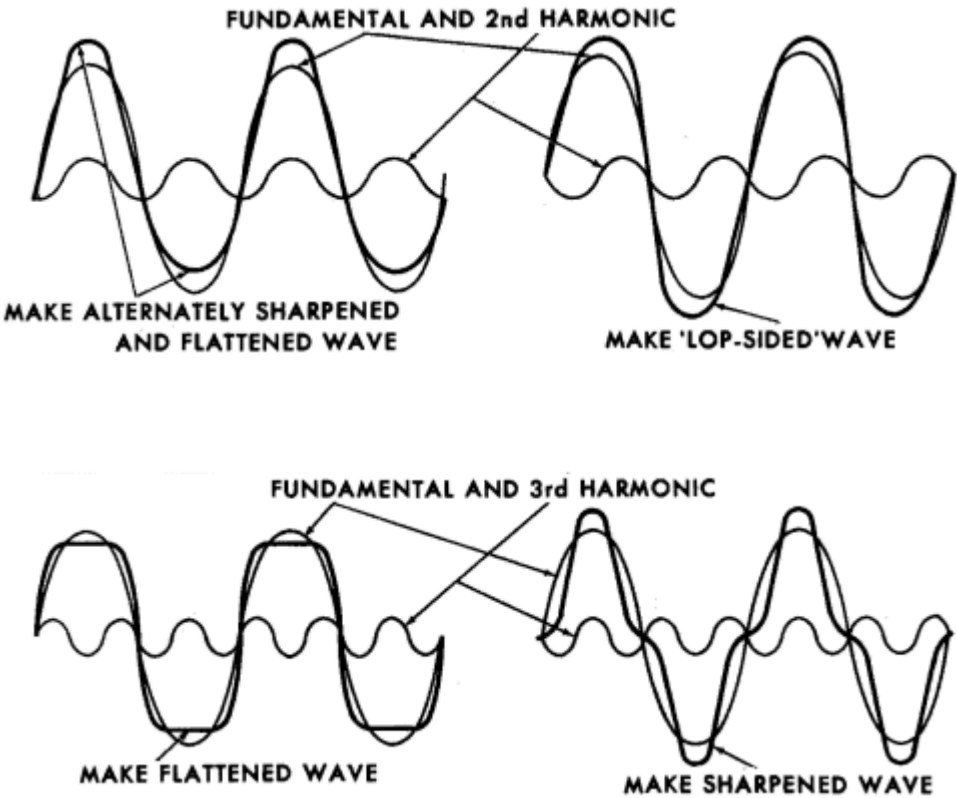
60Hz 7kHz 4:1
(IMD+N) 7kHz

1)



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- Twitter
- Email

(harmonics) , 가 2)

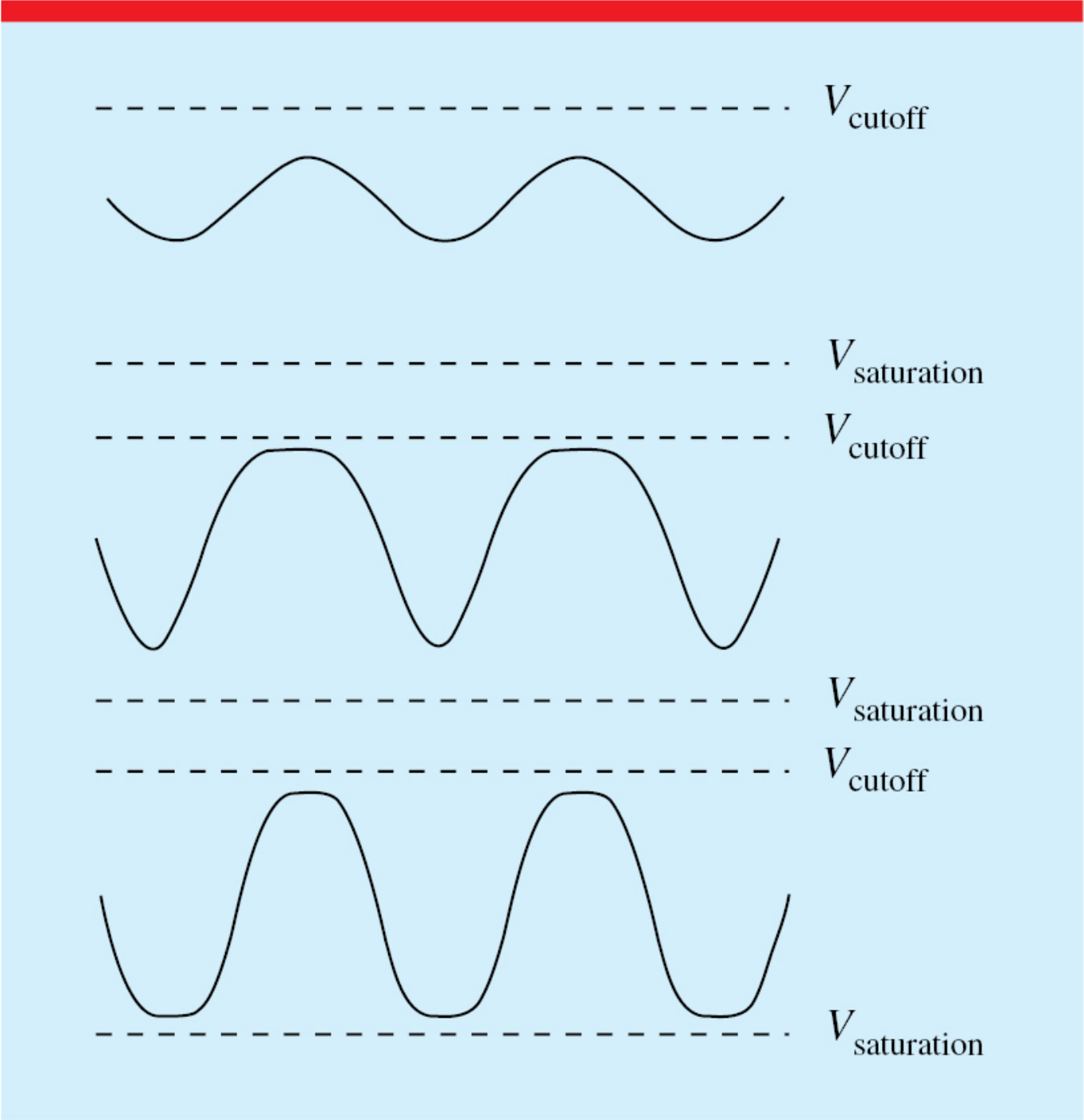


Phat

Edge

가

Tube



가 ()

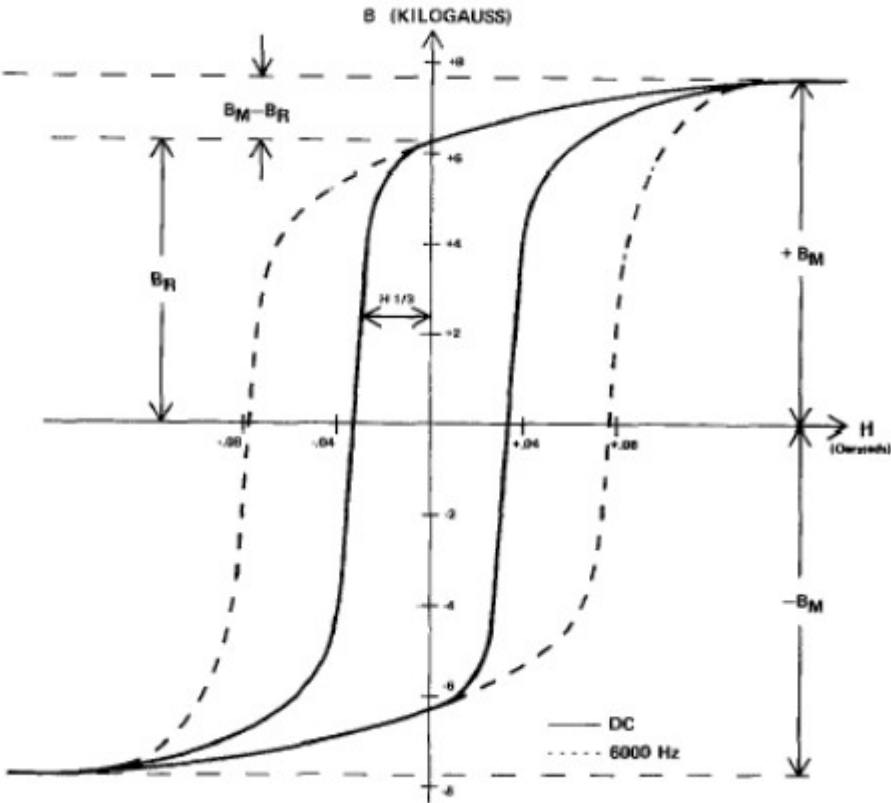
Transformer

가 IRON

, 2 3

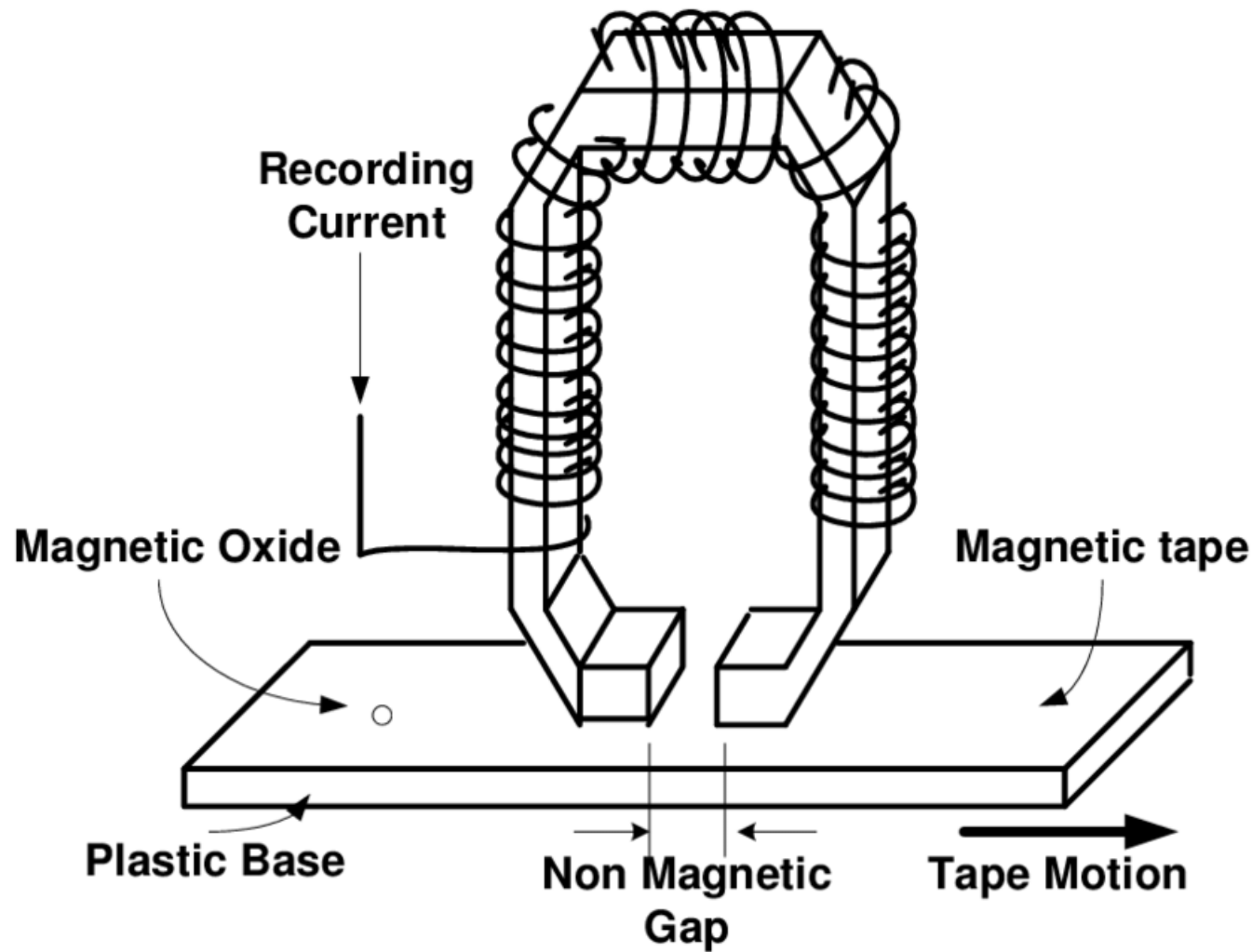
saturation curve 가

Nickel, Iron, Steel³⁾ 가



Tape

Magnetic Hysterisis



가

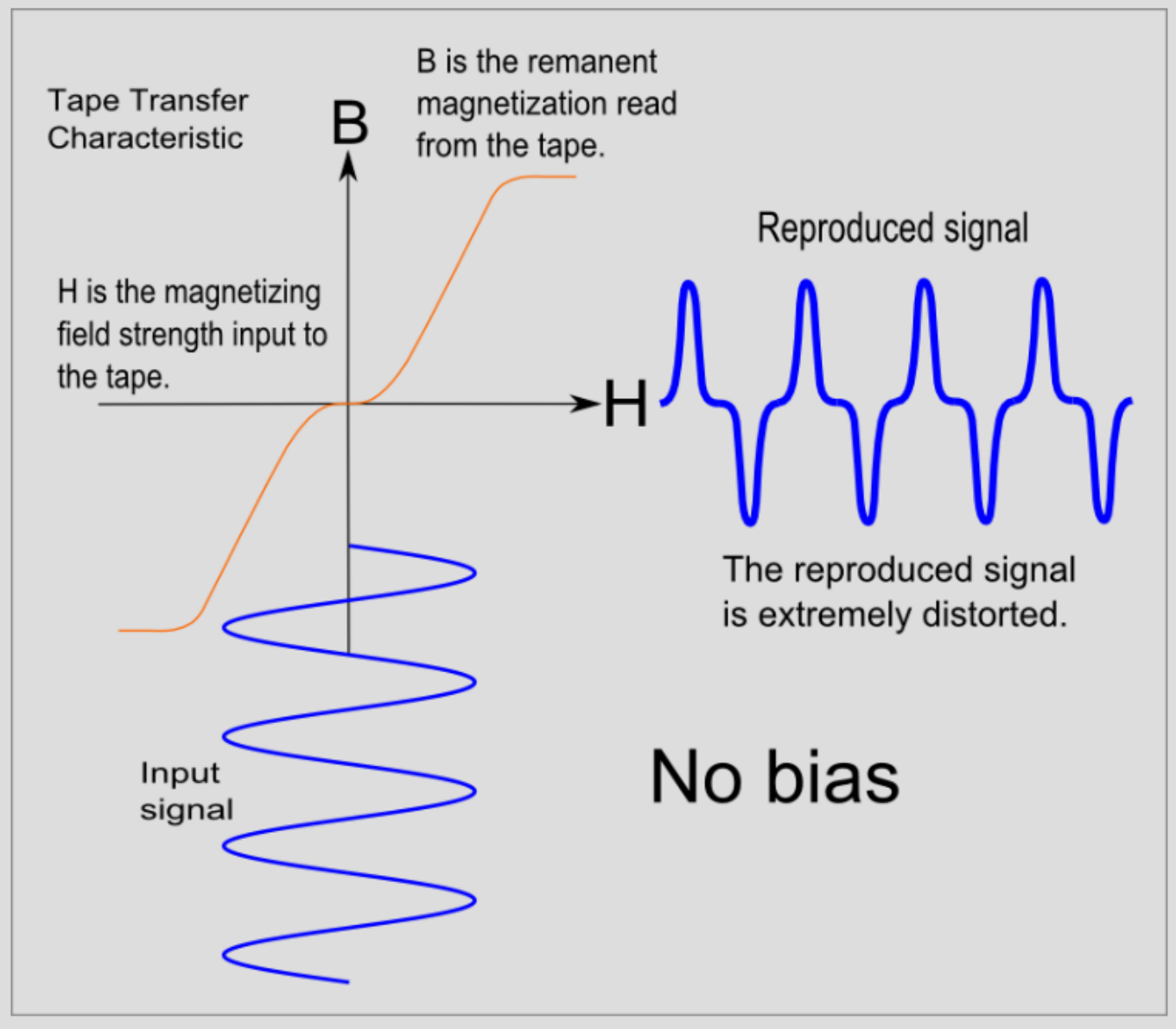
가

가

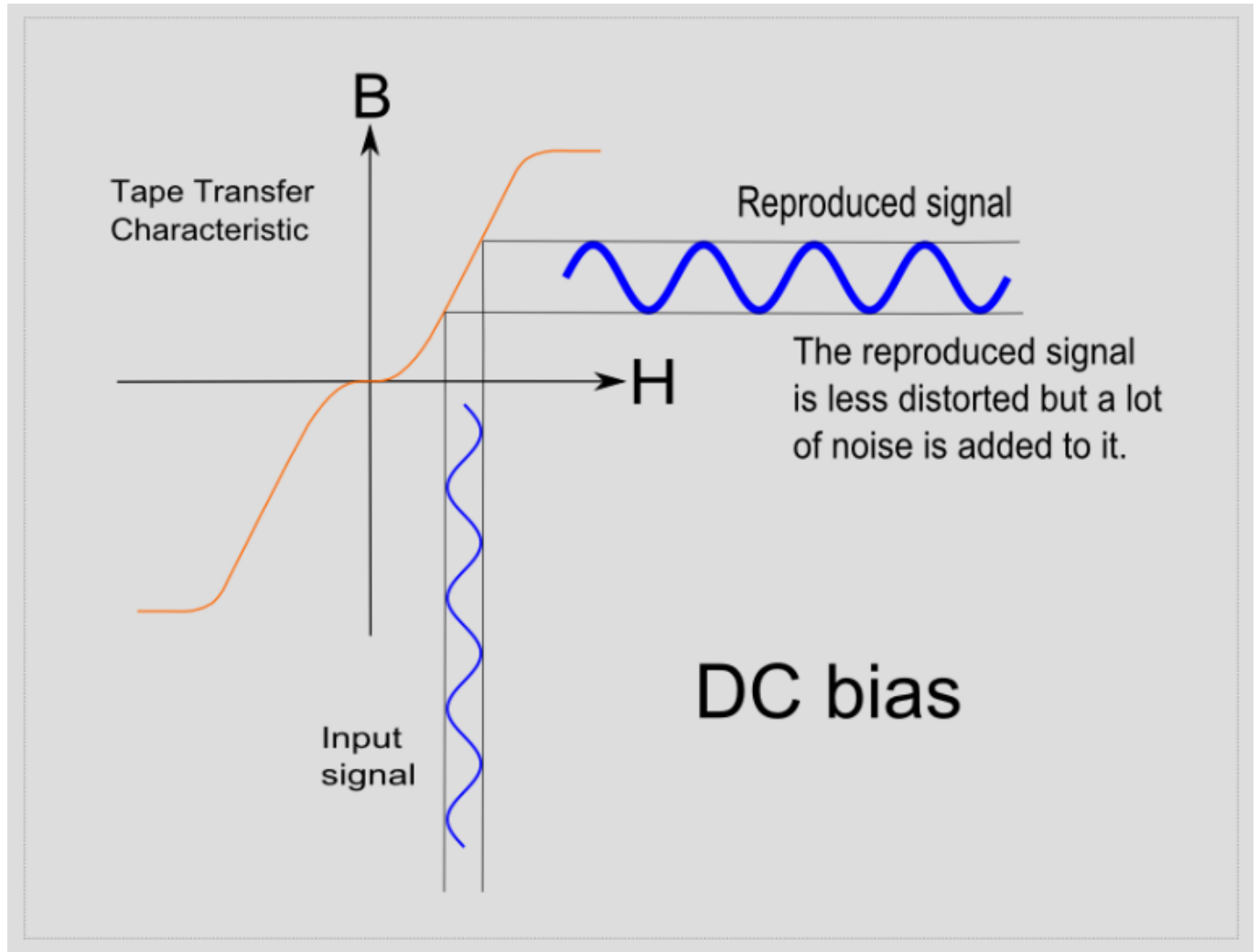
AC

2

가

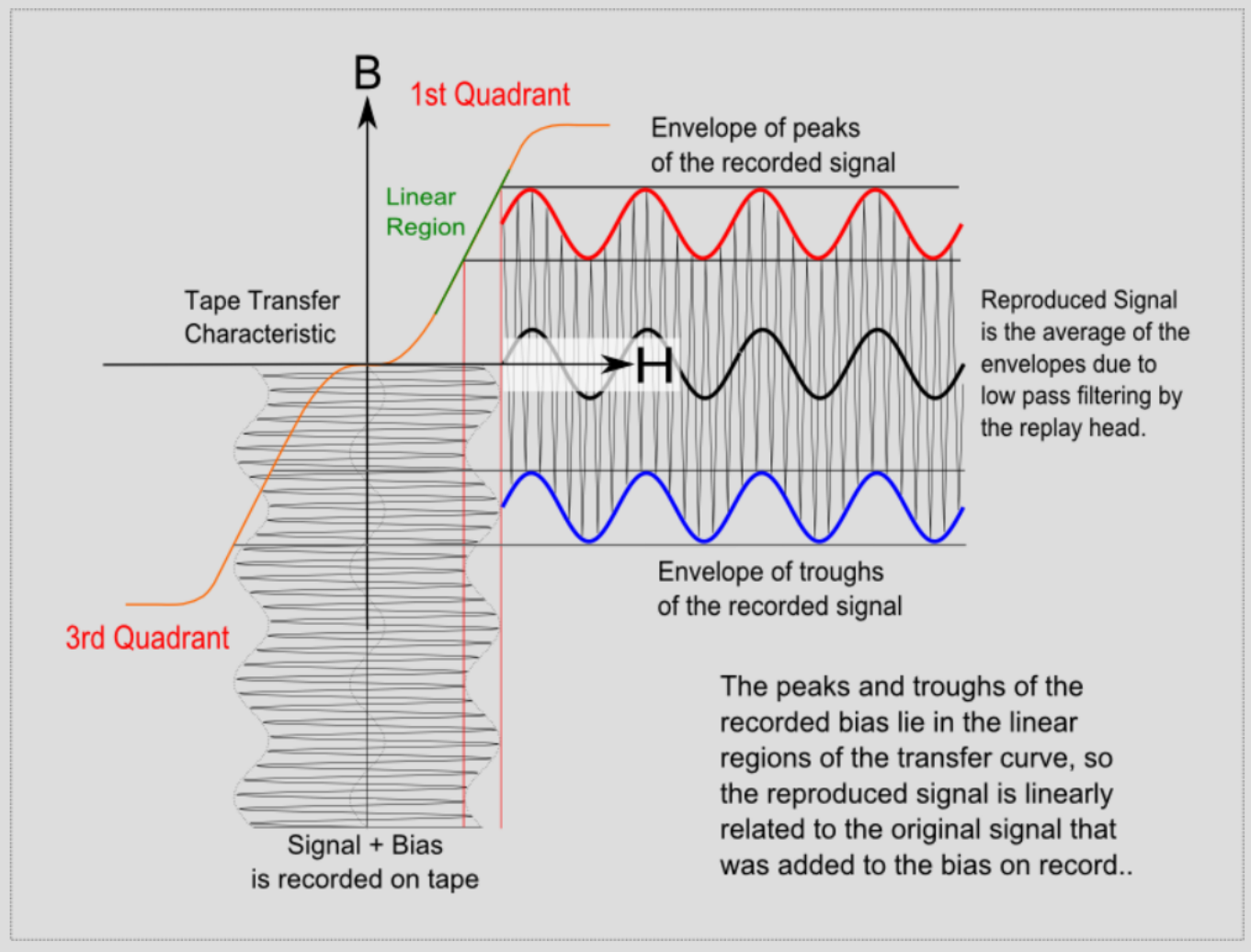


, DC , X Y .



DC

AC



가

2

3

attack release

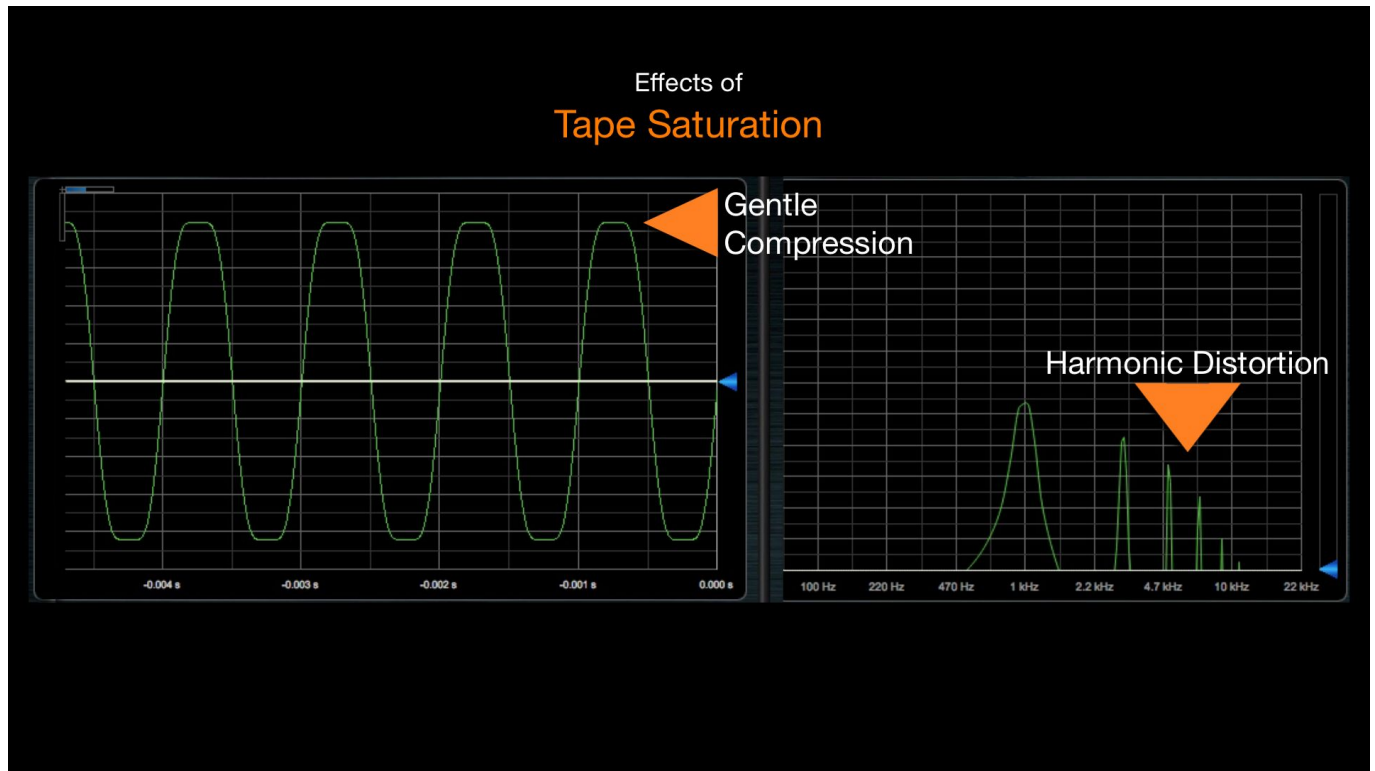
ratio 가 가 attack

vari-mu

release가

, vari-mu

, attack release 가 .)



Vari-mu

<https://www.youtube.com/watch?v=OJMLzS6vPPc>

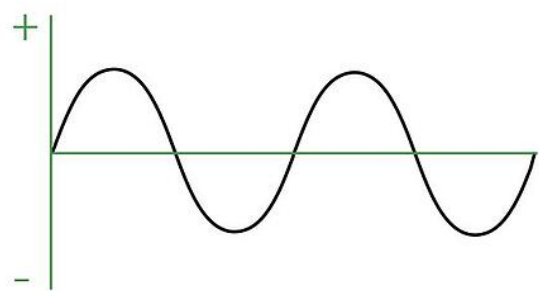
— *retronica* 2019/01/06 13:01

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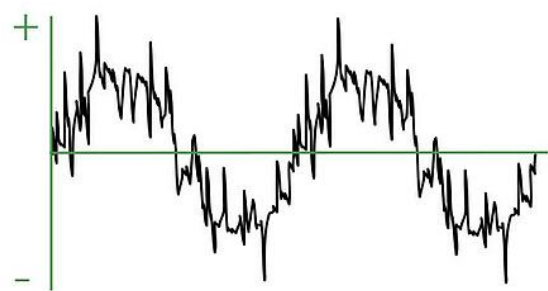
THD

Total **H**armonic **D**istortion

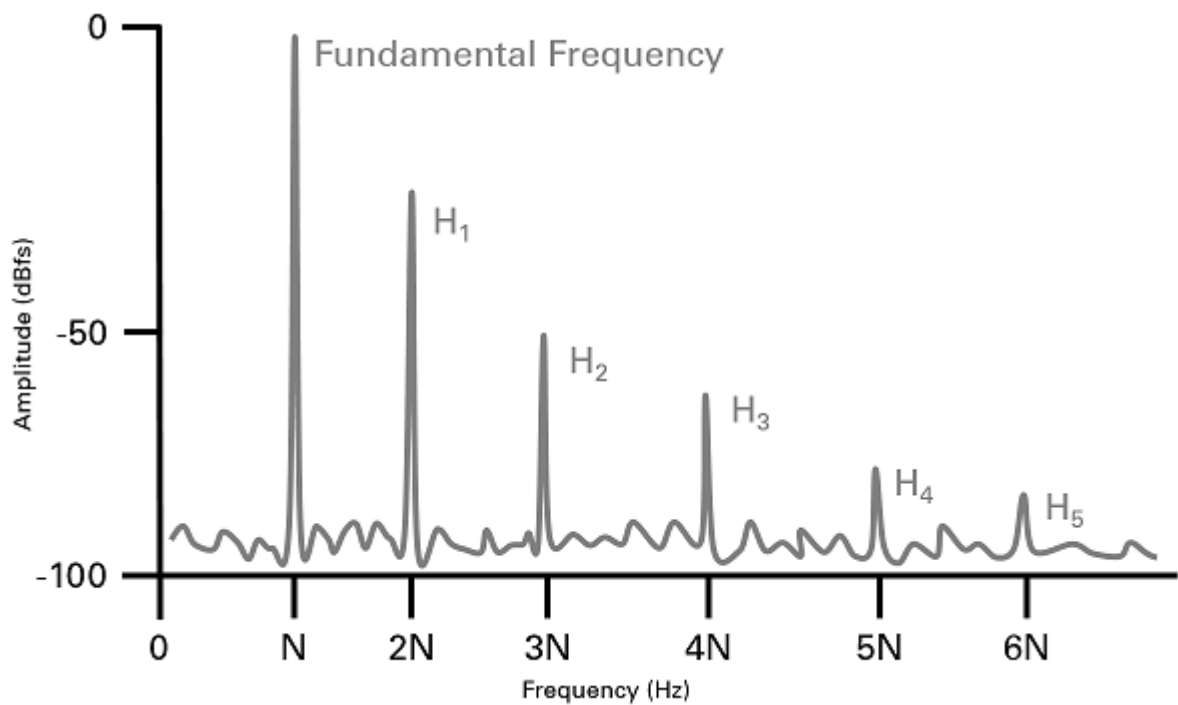
가



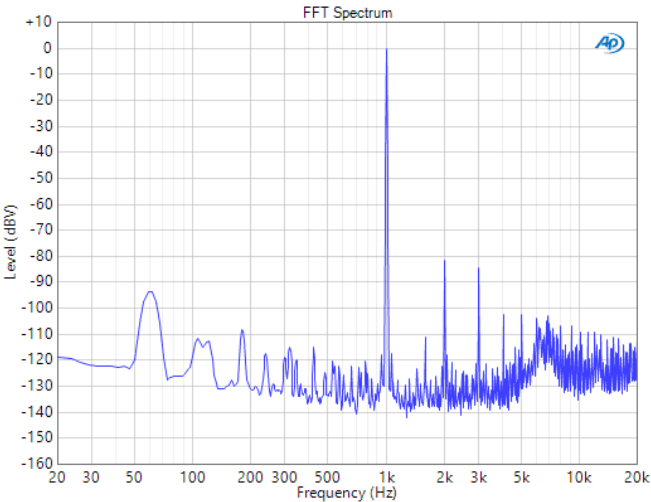
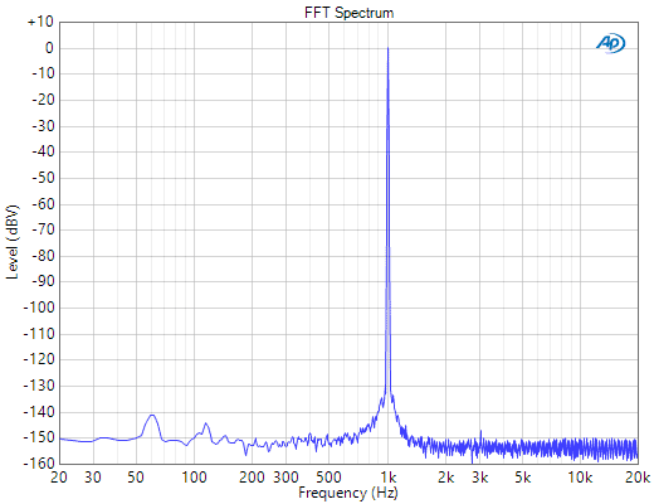
Synthesizer
(261.63 Hz)



Distorted Electric Guitar
(261.63 Hz)



991kHz 1kHz(991kHz, 1kHz 가
가 .) THD (THD+N) 1kHz
4)



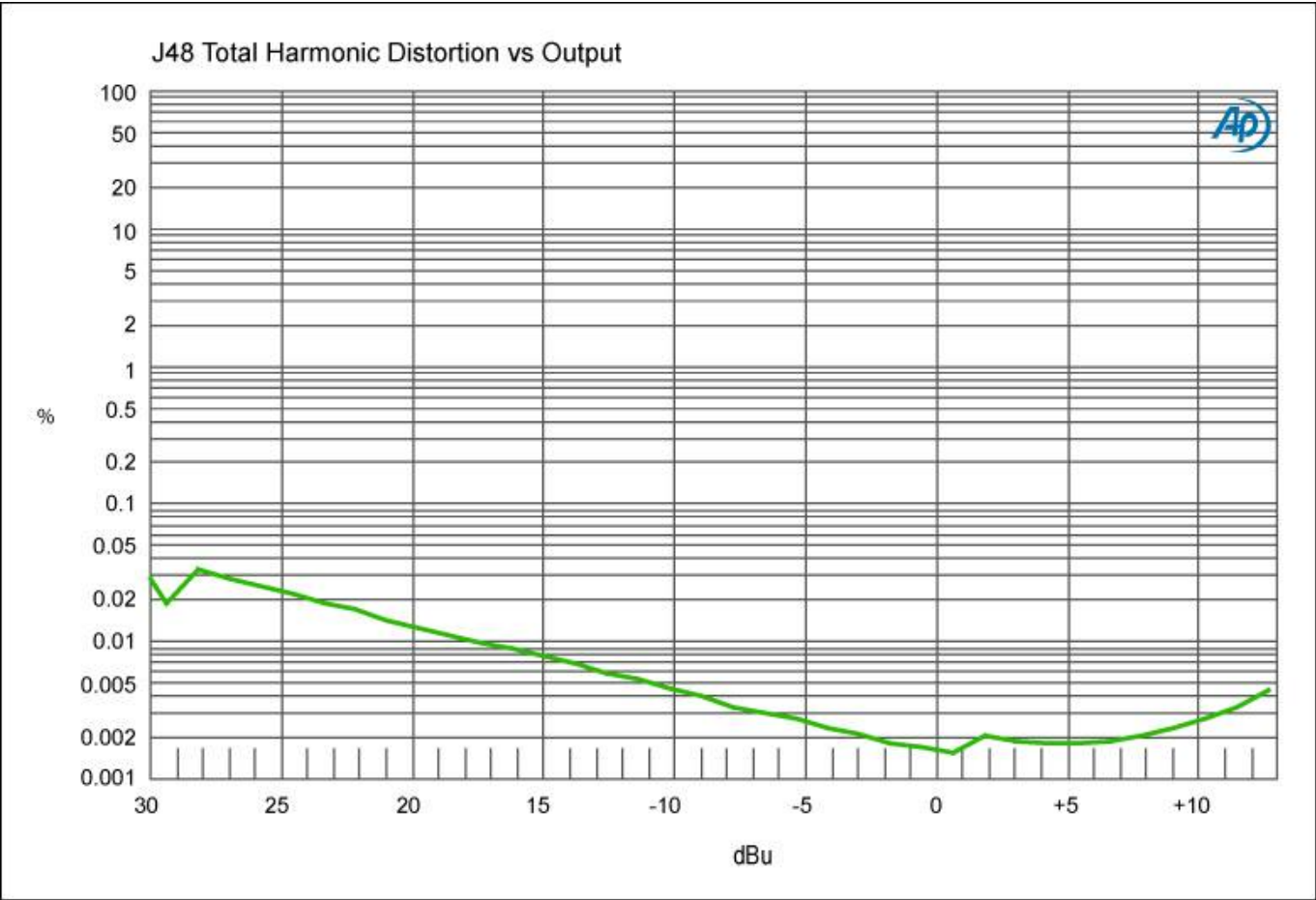
THD

THD

J48 Jensen

DI

THD



THD

0.0001% THD 0.001% THD

		10		,	dB	20dB
0.001%	THD	0.0001%	20dB	THD	.	
		.				

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Reference

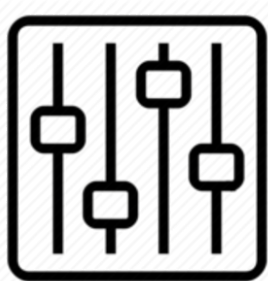
<https://www.soundonsound.com/sound-advice/why-specifications-matter-part-3-distortion>

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1) 4)
,

2)
distortion
3)

가 가 .



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