TRANSFORMER SFRA TEST REPORT

Location: PPU PENGKALAN HULU

Job : T2 AFTER SERVICE

Date : 04/08/2024

TRANSFORMER NO	:02
SERIAL NO	: P/320/07/15010
VOLTAGE	: 33000/11000
KVA	: 15000
MANUFACTURE	: MTM
YEAR	: 2008
TESTING DATE	: 04/08/2024
TESTED BY	: VICKNESH SUBRAMANIAM
	GOBINATH RAJU

SFRA Test Results

Report date: 2024-08-15

Test date:	**Test time:**
4/8/2024	10:13:49
Company:	**Substation**
MTM	PPU PENGKALAN HULU T2 AFTER
Designation:	**Manufacturer:**
PERAK	MTM
Serial number	**Year of manufacturing:**
P/320/07/15010	2008
Type:	**Vector group:**
15-201	Dyn11 (D-Y, 30° lead)
Voltage rating (kV):	**Power rating (MVA):**
33-11	15
Impedance (%):	**Cooling:**
9.9	ONAN/ONAF
OLTC extreme rise position	**OLTC reg. winding out position:**
16	1
DETC position:	**Relative humidity:**
	65
Air temperature:	**Object temperature:**
34	40
Weather:	**Tested by:**
SUNNY	VICKNESH

Notes:

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RECOGNIZED AND CERTIFIED Megger

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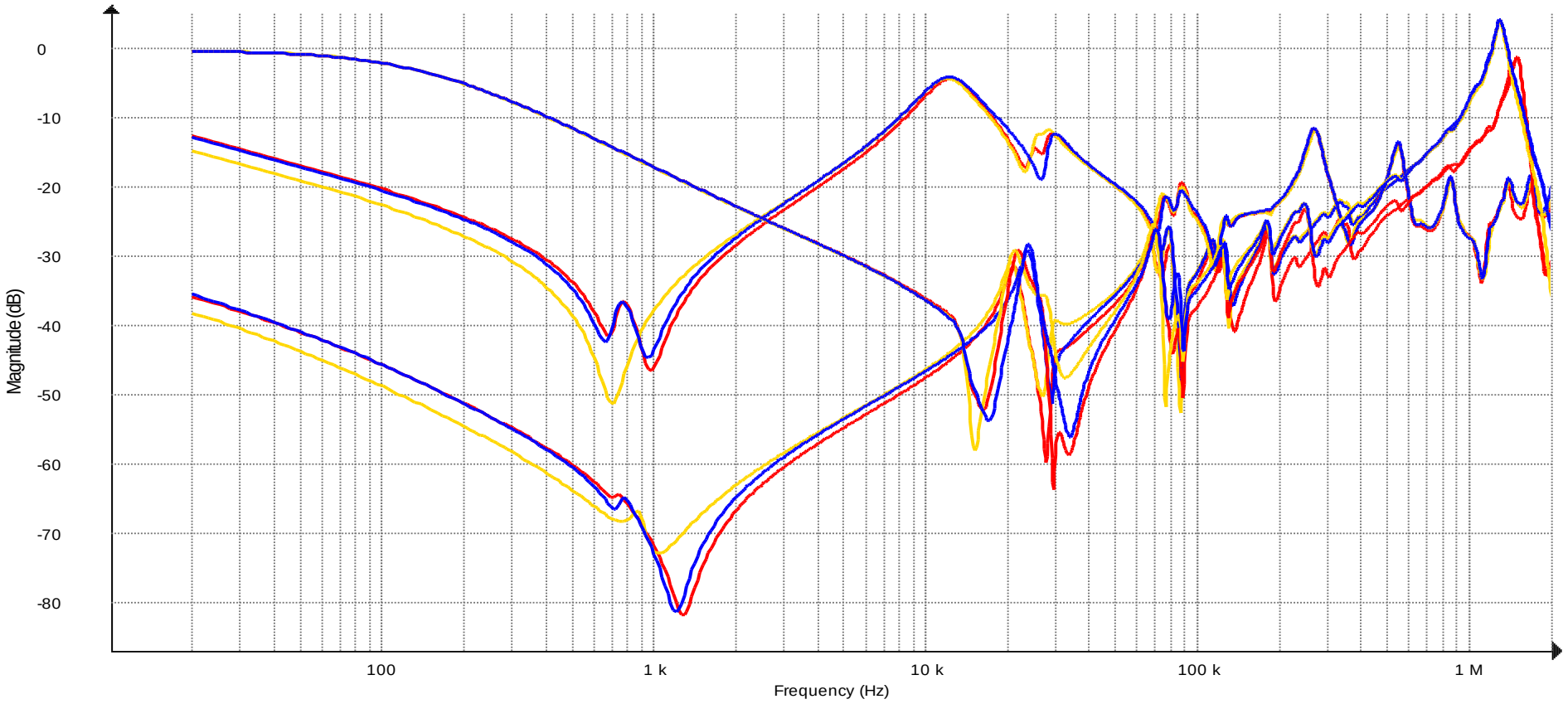
Tested 4/8/2024 **at** 10:13:49 **Tested by:** VICKNESH

Magnitude:



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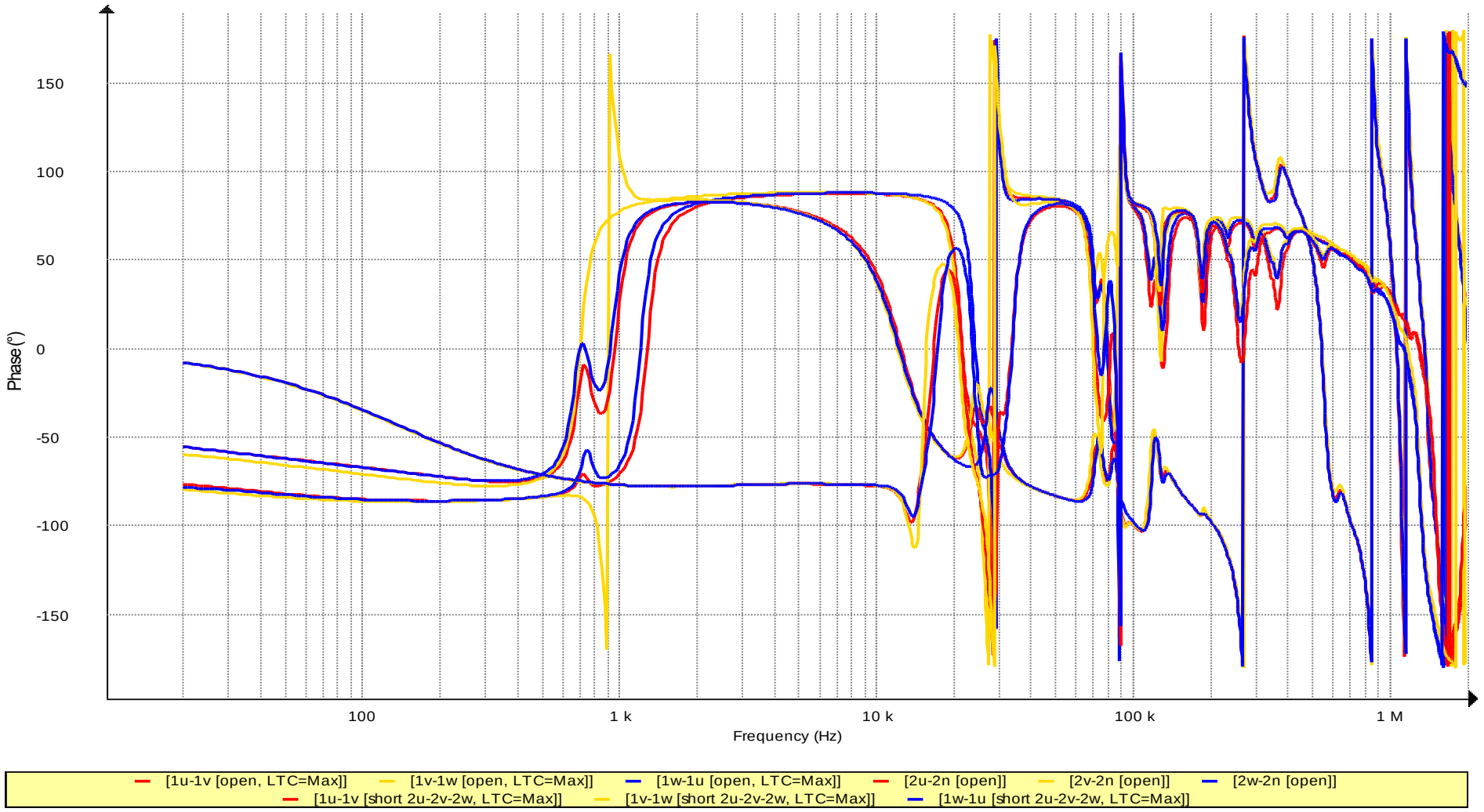
Phase:



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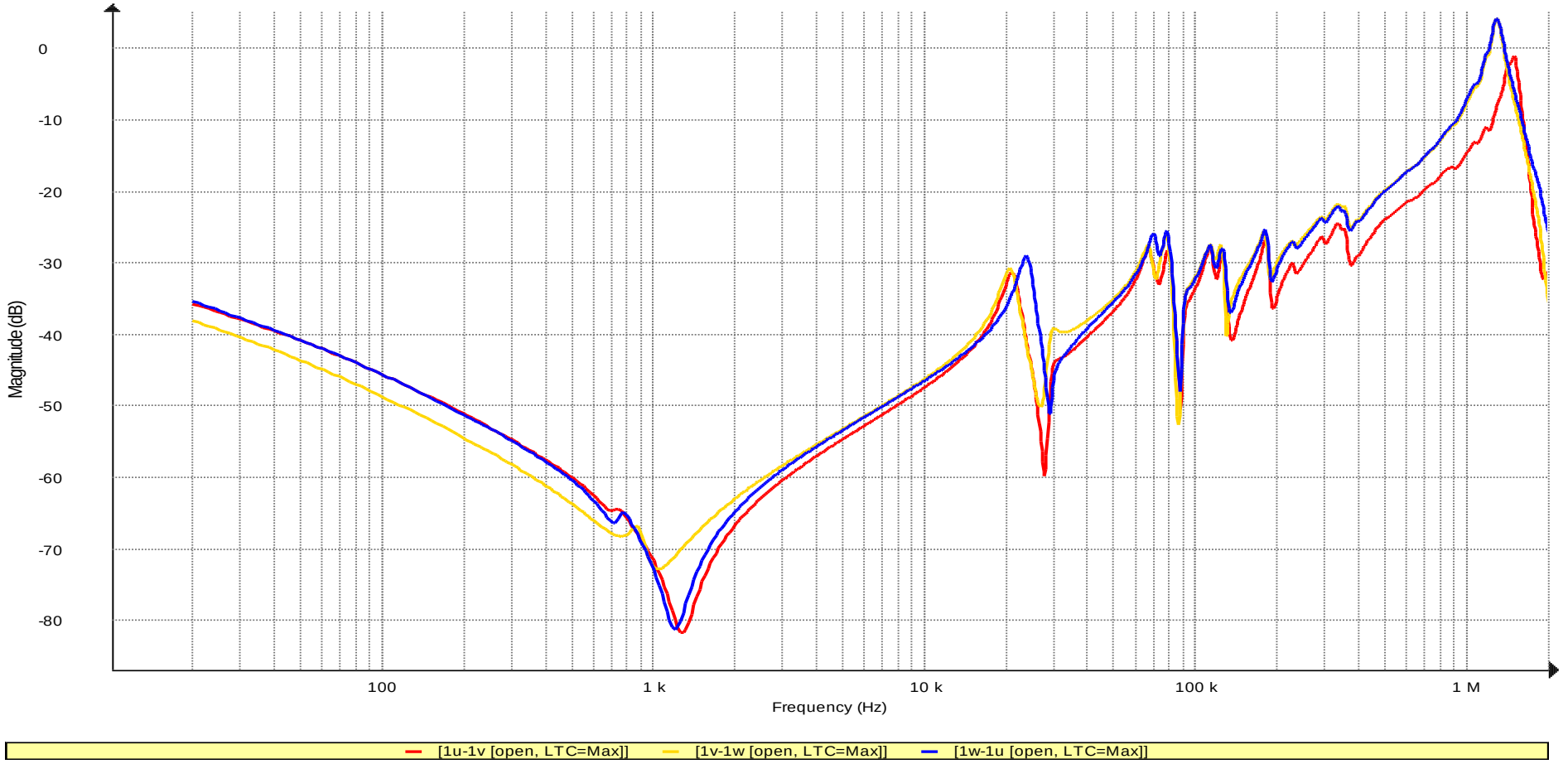

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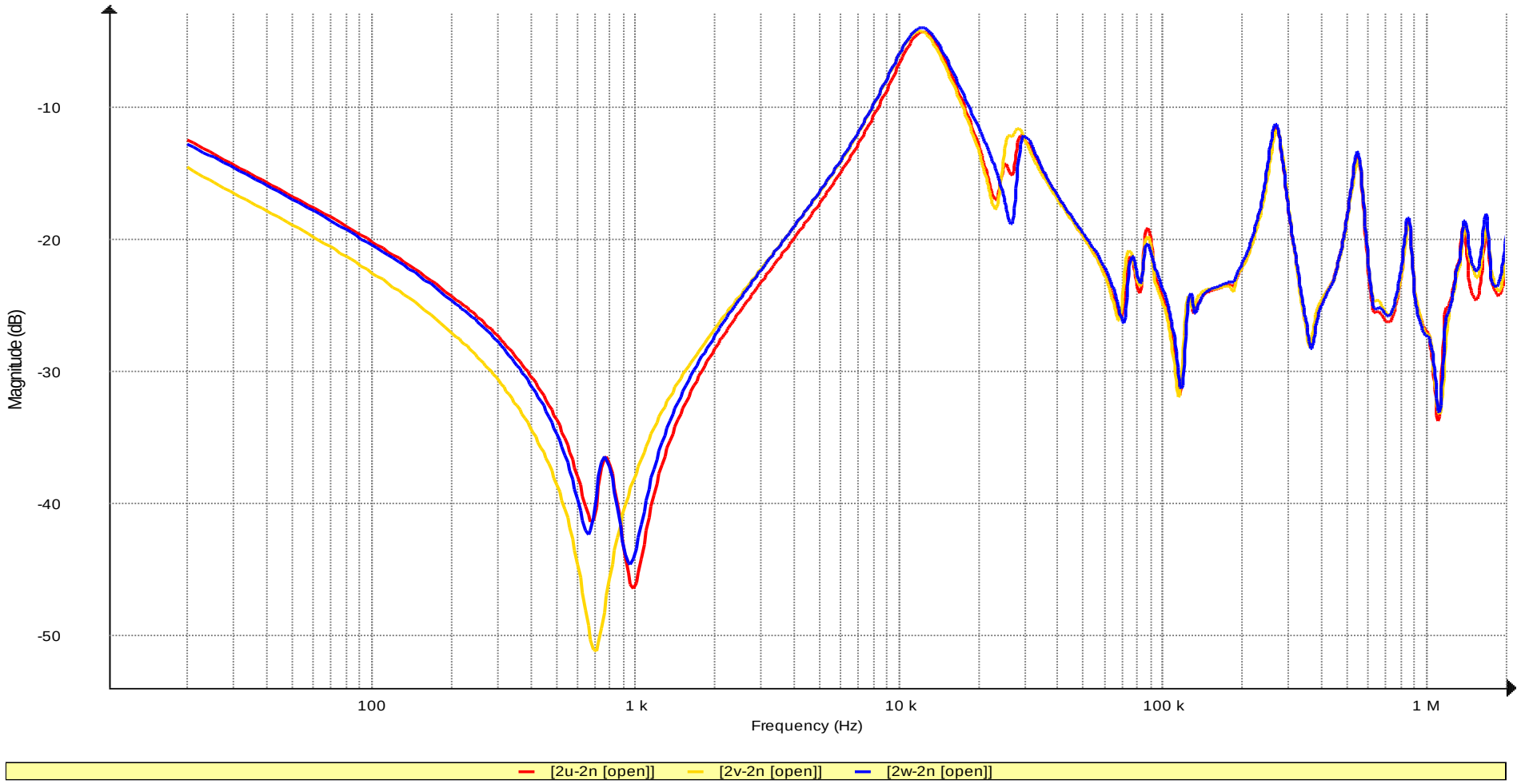

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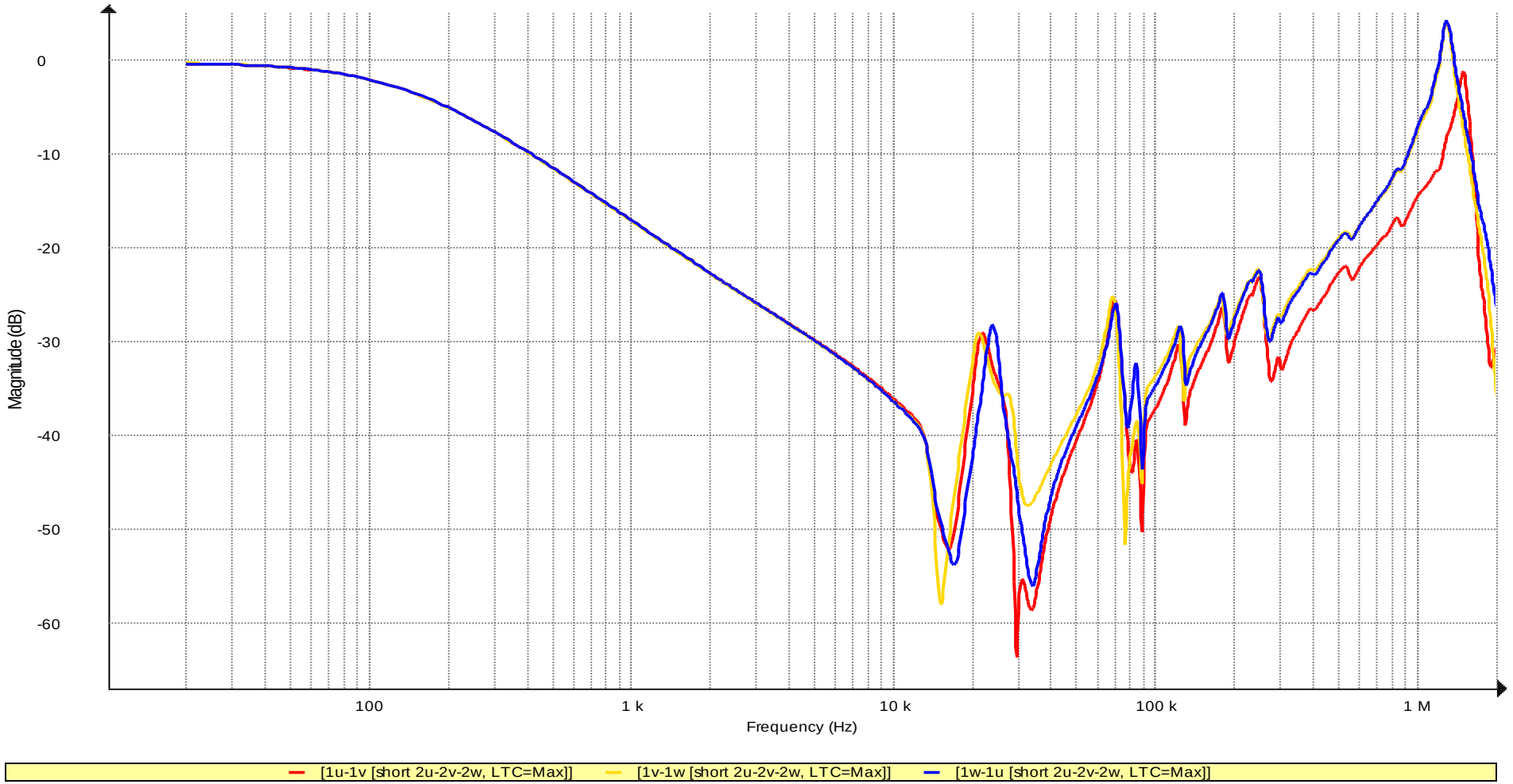

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DL/T 911-2004 Analyzer

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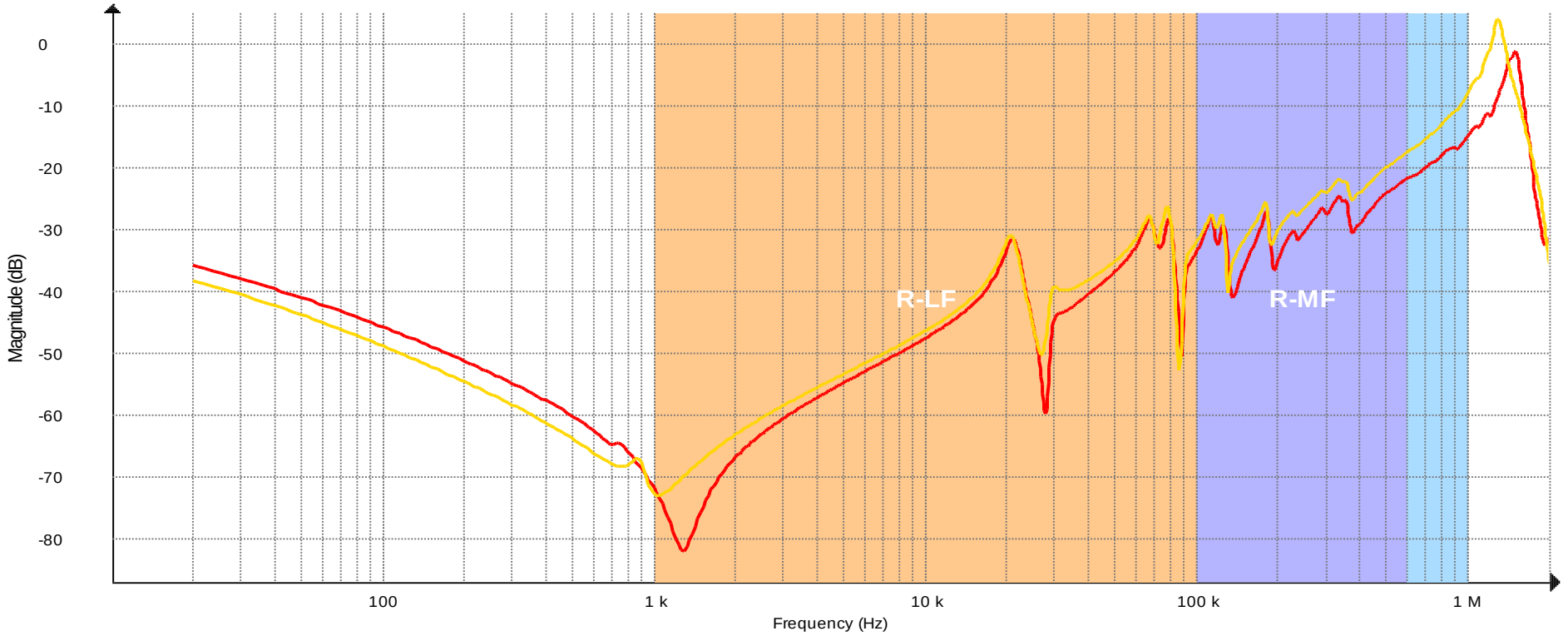

	Name	R_{LF}	R_{MF}	R_{HF}	
R_{12}	[1u-1v [open, LTC=Max]] – [1v-1w [open, LTC=Max]]	1.76	1.16	2.10	Light Distortion
R_{23}	[1v-1w [open, LTC=Max]] – [1w-1u [open, LTC=Max]]	1.35	1.65	4.06	Light Distortion
R_{31}	[1w-1u [open, LTC=Max]] – [1u-1v [open, LTC=Max]]	1.49	1.49	2.06	Light Distortion

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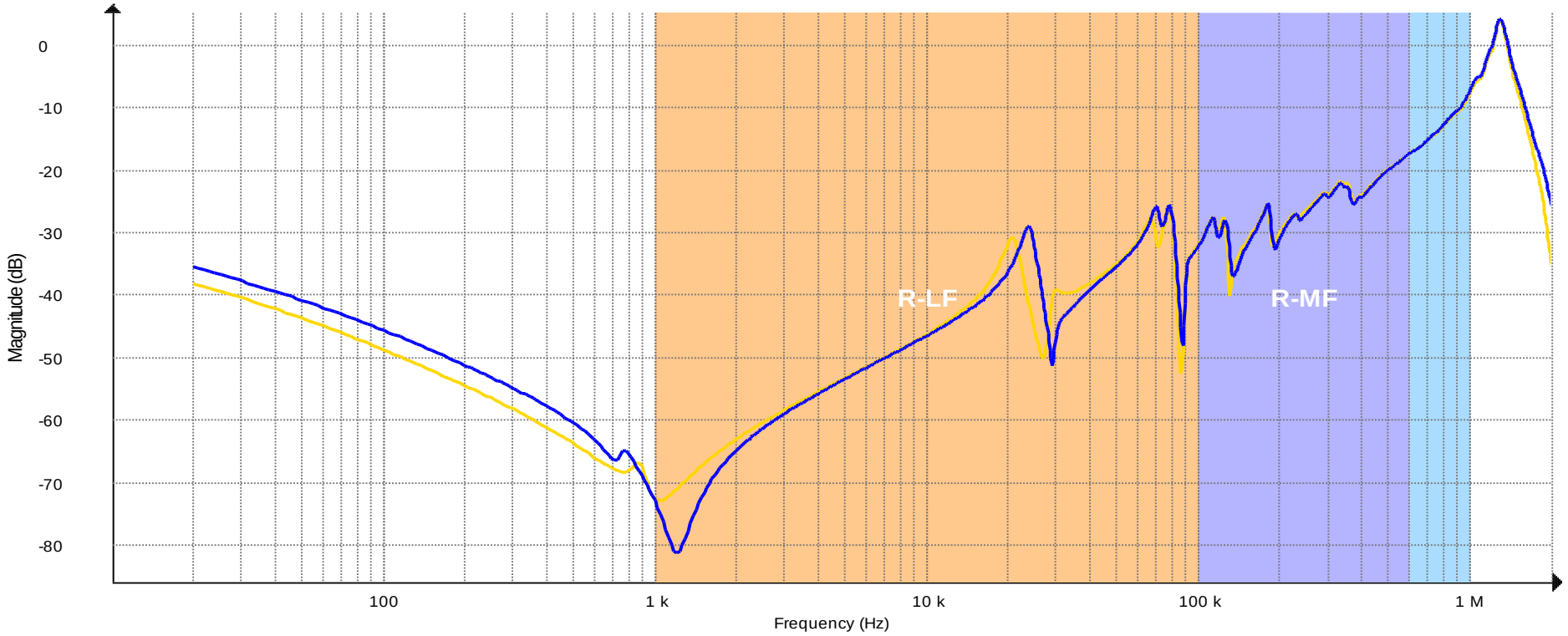

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R_{12}	[1v-1w [open, LTC=Max]] – [1w-1u [open, LTC=Max]]	1.35	1.65	4.06	Light Distortion
R_{23}	[1w-1u [open, LTC=Max]] – [1u-1v [open, LTC=Max]]	1.49	1.49	2.06	Light Distortion
R_{31}	[1u-1v [open, LTC=Max]] – [1v-1w [open, LTC=Max]]	1.76	1.16	2.10	Light Distortion

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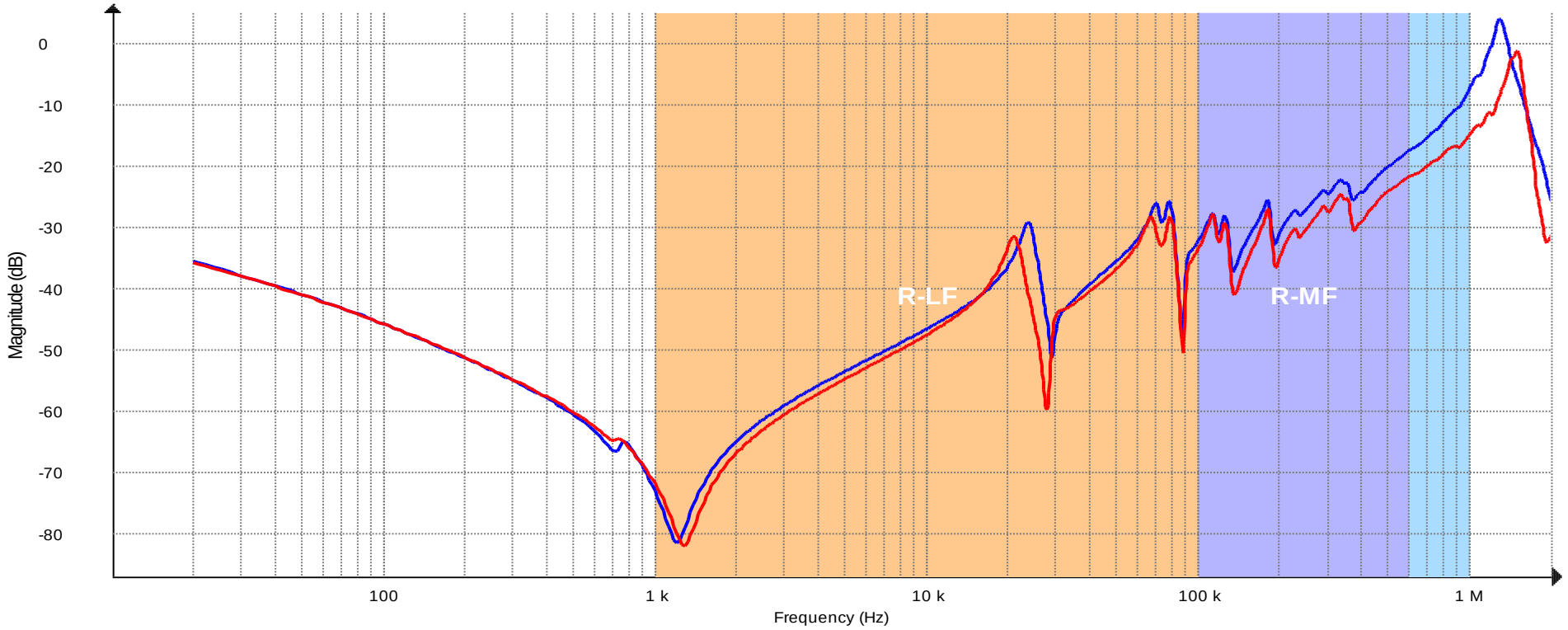

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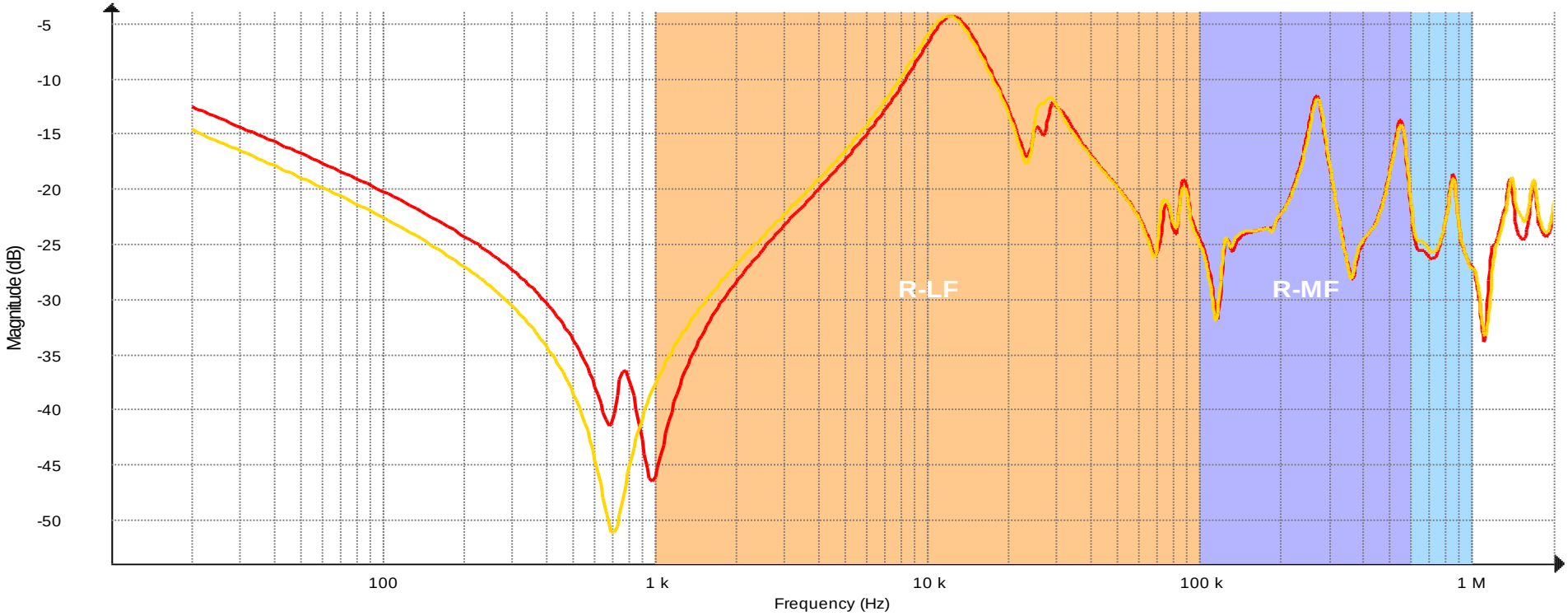

	Name	R_{LF}	R_{MF}	R_{HF}	
R_{12}	[2u-2n [open]] – [2v-2n [open]]	1.99	2.51	1.96	Light Distortion
R_{23}	[2v-2n [open]] – [2w-2n [open]]	1.69	2.01	2.10	Light Distortion
R_{31}	[2w-2n [open]] – [2u-2n [open]]	2.07	2.56	1.99	Normal

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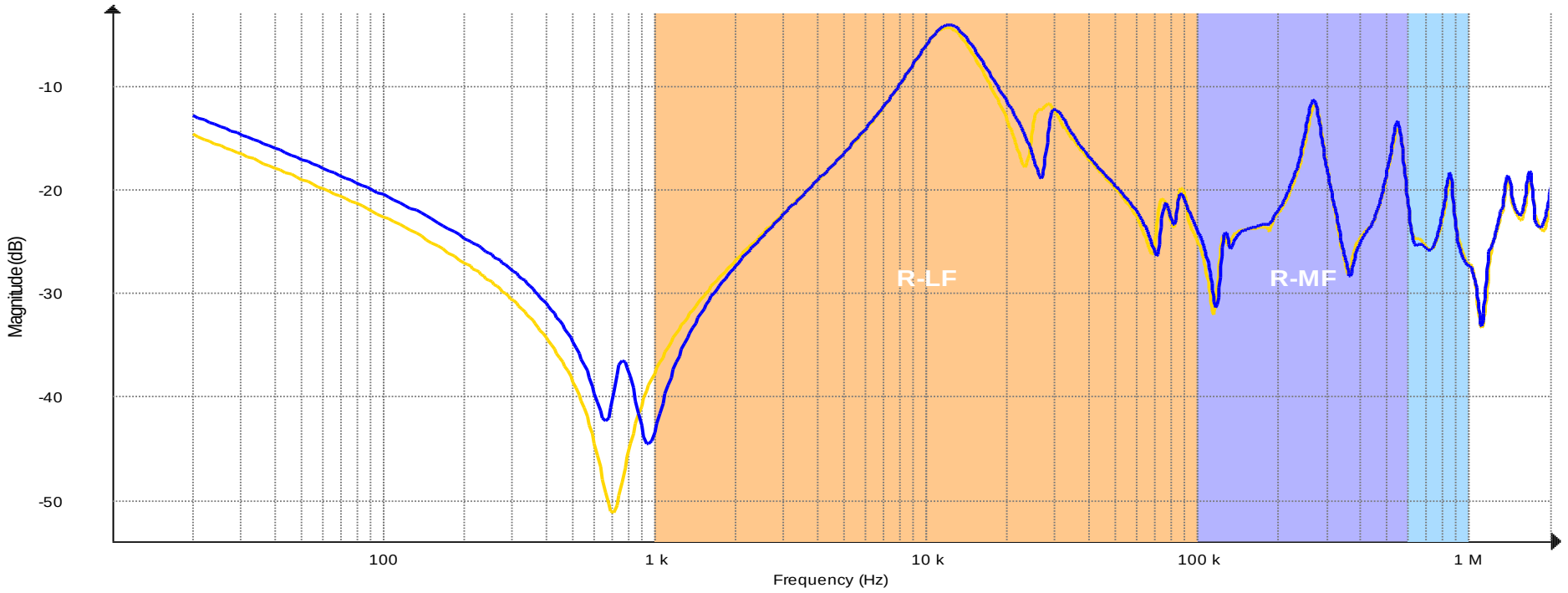

	Name	R_{LF}	R_{MF}	R_{HF}	
R_{12}	[2v-2n [open]] – [2w-2n [open]]	1.69	2.01	2.10	Light Distortion
R_{23}	[2w-2n [open]] – [2u-2n [open]]	2.07	2.56	1.99	Normal
R_{31}	[2u-2n [open]] – [2v-2n [open]]	1.99	2.51	1.96	Light Distortion

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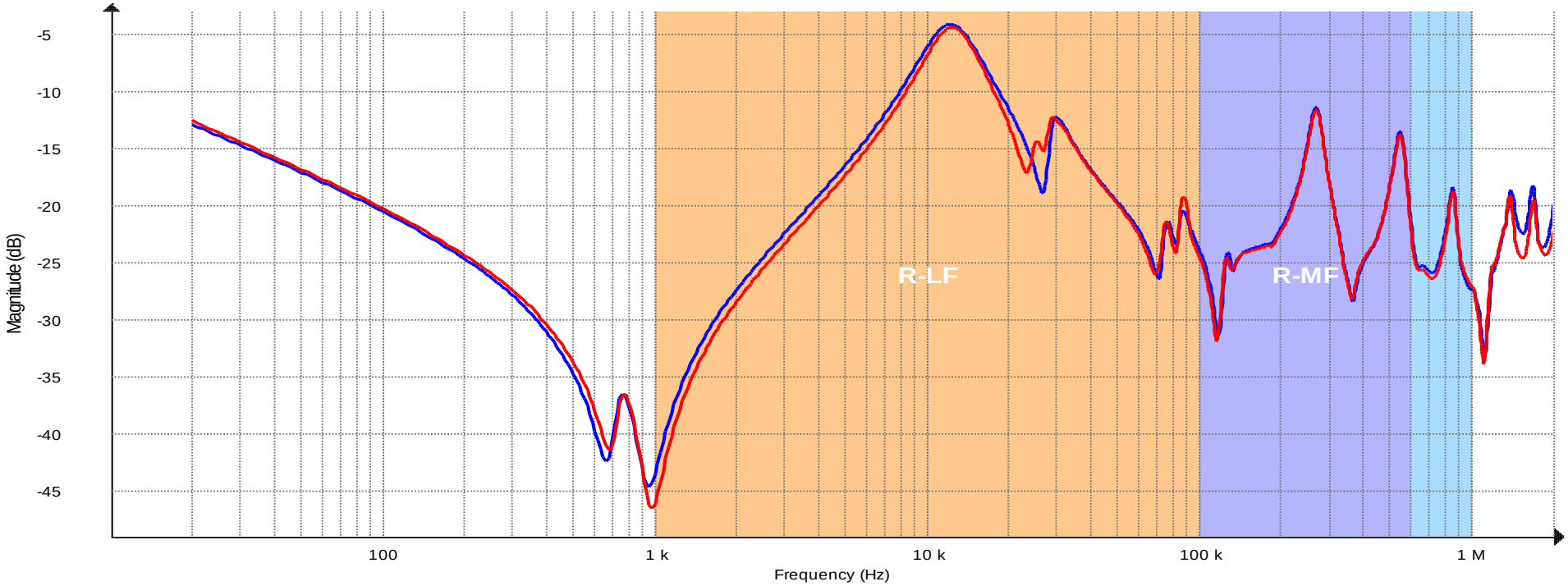

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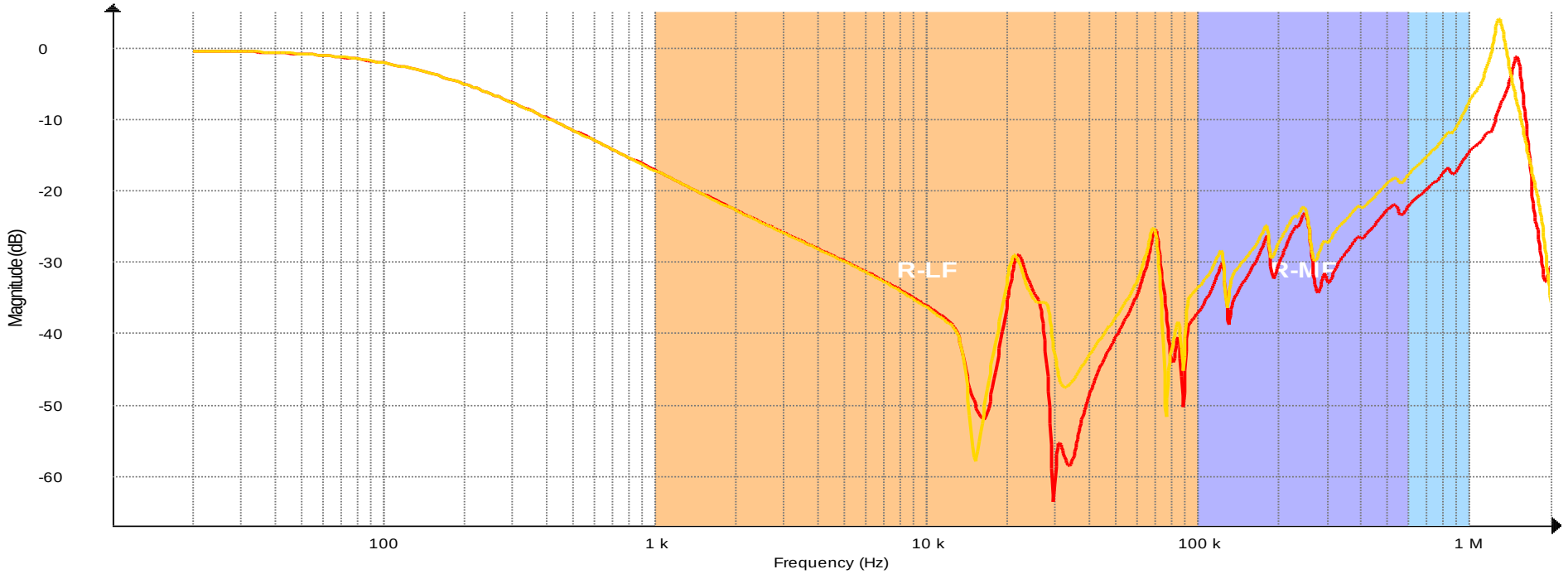

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R_{12}	[1u-1v [short 2u-2v-2w, LTC=Max]] – [1v-1w [short 2u-2v-2w, LTC=Max]]	1.10	1.28	1.88	Light Distortion
R_{23}	[1v-1w [short 2u-2v-2w, LTC=Max]] – [1w-1u [short 2u-2v-2w, LTC=Max]]	1.06	1.86	4.25	Light Distortion
R_{31}	[1w-1u [short 2u-2v-2w, LTC=Max]] – [1u-1v [short 2u-2v-2w, LTC=Max]]	1.33	1.42	1.94	Light Distortion

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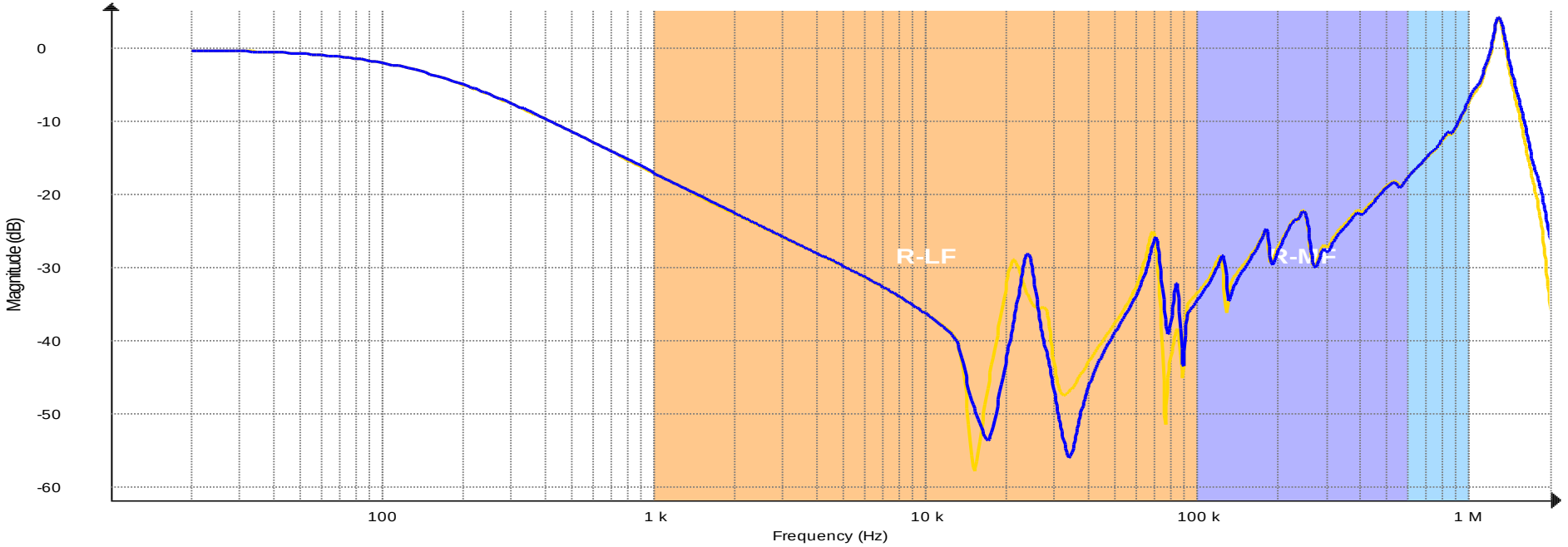

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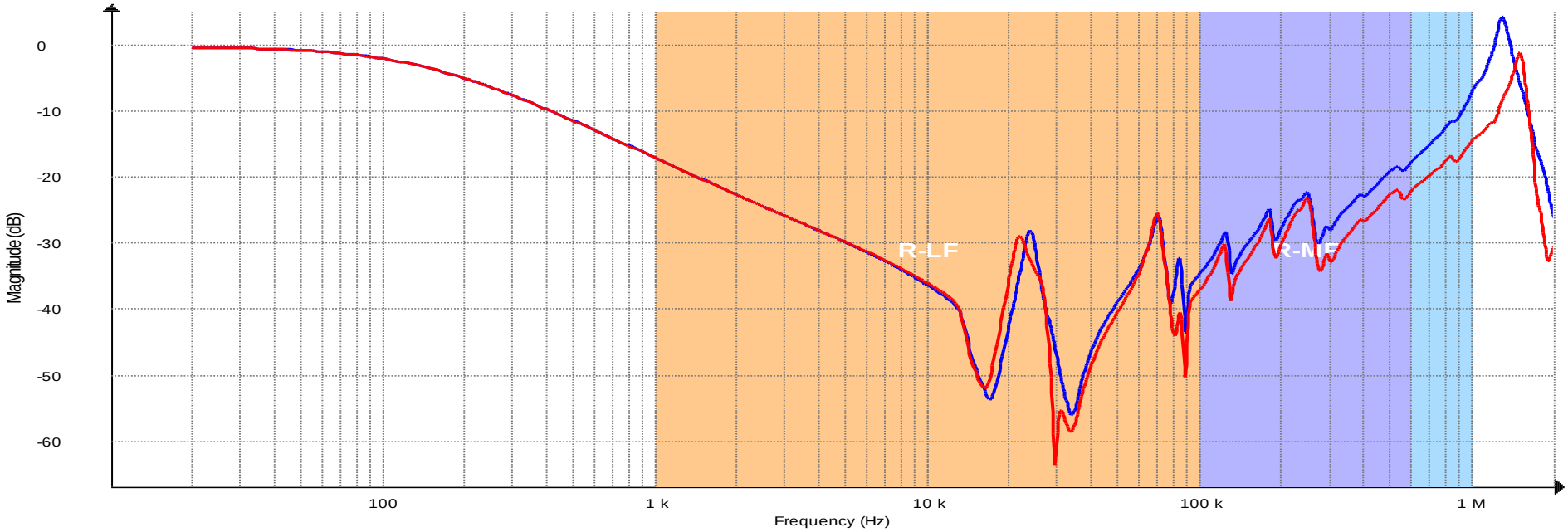

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