

# DIBAO

## Audio Input Transformer

### DB9101

DB9101 is general audio input transformer. It's input and output are completely isolated, and made up by 2 windings. It can be made into different combinations according to your requirement. The transformer is potted in a copper coated iron can.



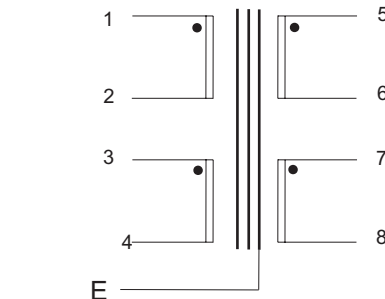
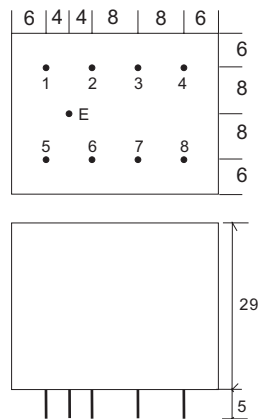
Dimensions (L x W x H) : 36 x 28 x 29 ( mm )

Diameter of pin: 1 mm

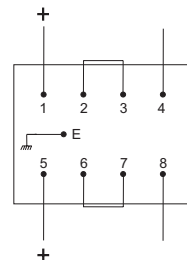
Input: 1 - 2 ; 3 - 4

Output: 5 - 6 ; 7 - 8

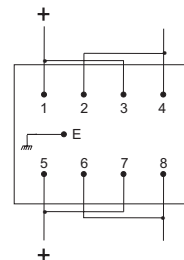
Turns ratio: 1 + 1 : 1 + 1



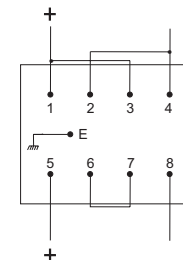
Serial-serial connection (1:1)  
(line input)



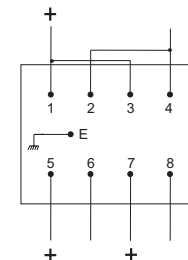
Parallel-parallel connection (1:1)  
(e. g. Mic input)



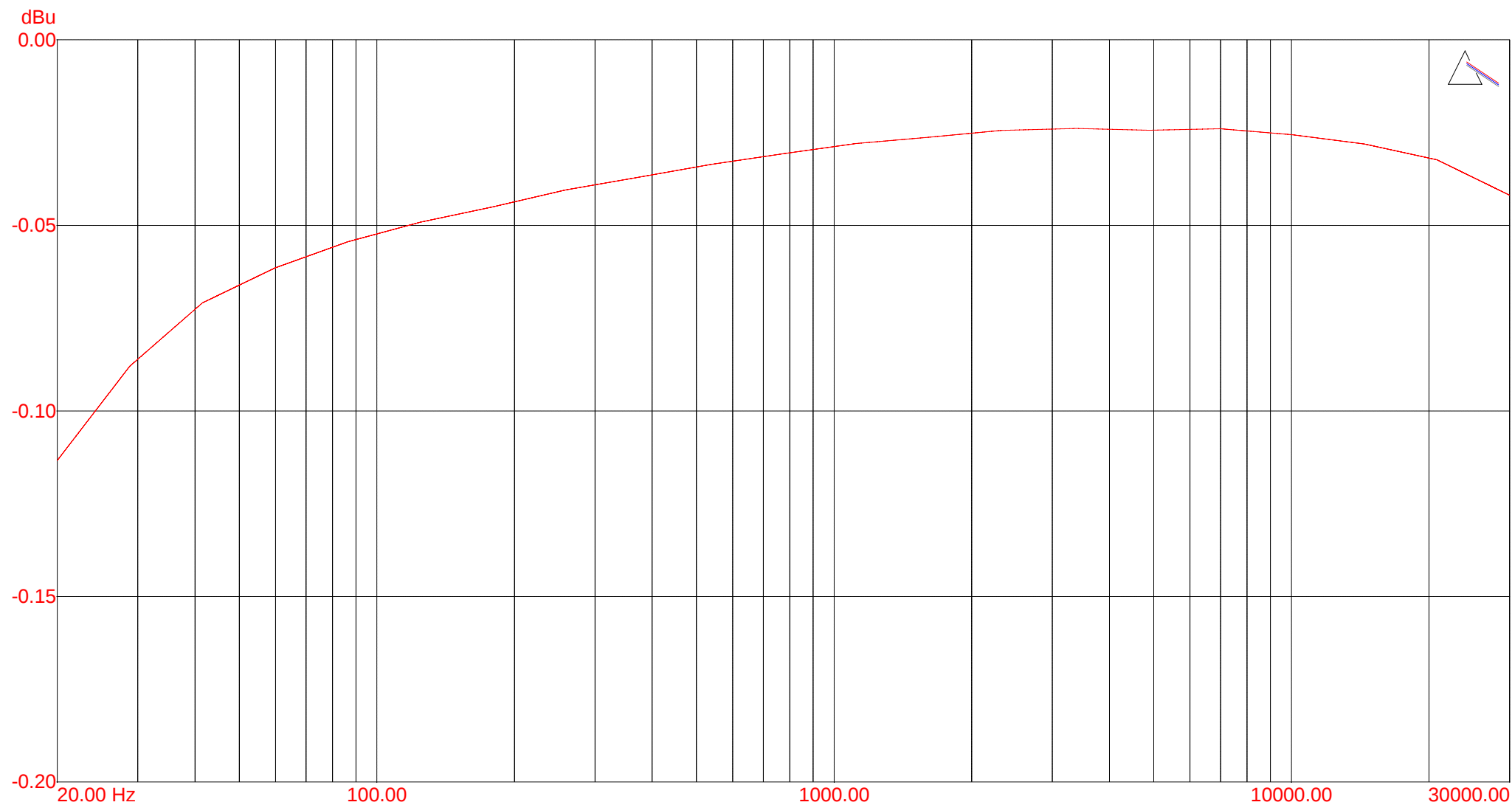
Parallel-serial connection (1:2)  
(e. g. mic input)



Parallel-split connection  
(1:1+1)

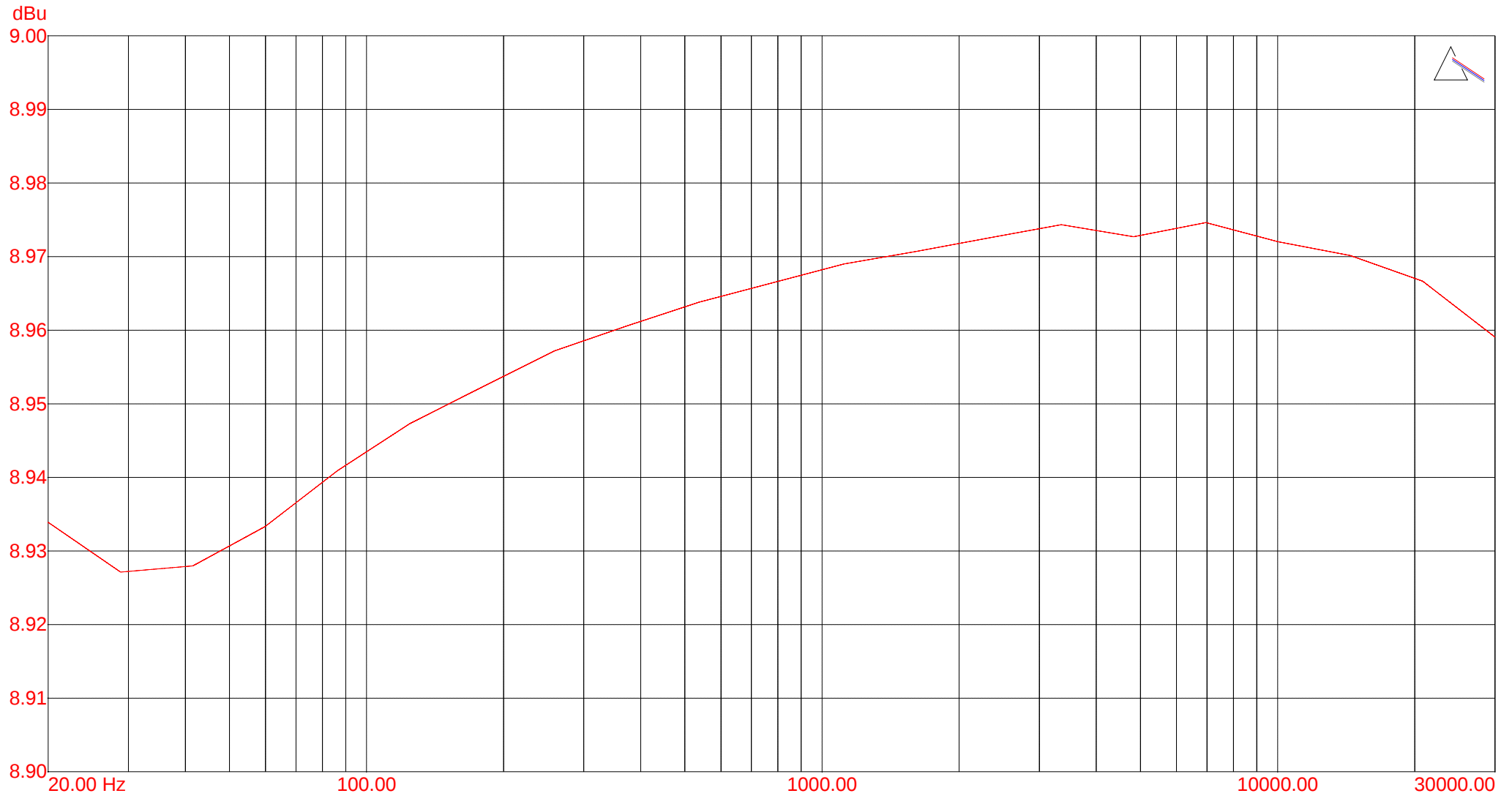


# Frequency Response Of DIBAO DB9101 ( At Amplitud 0dBu )



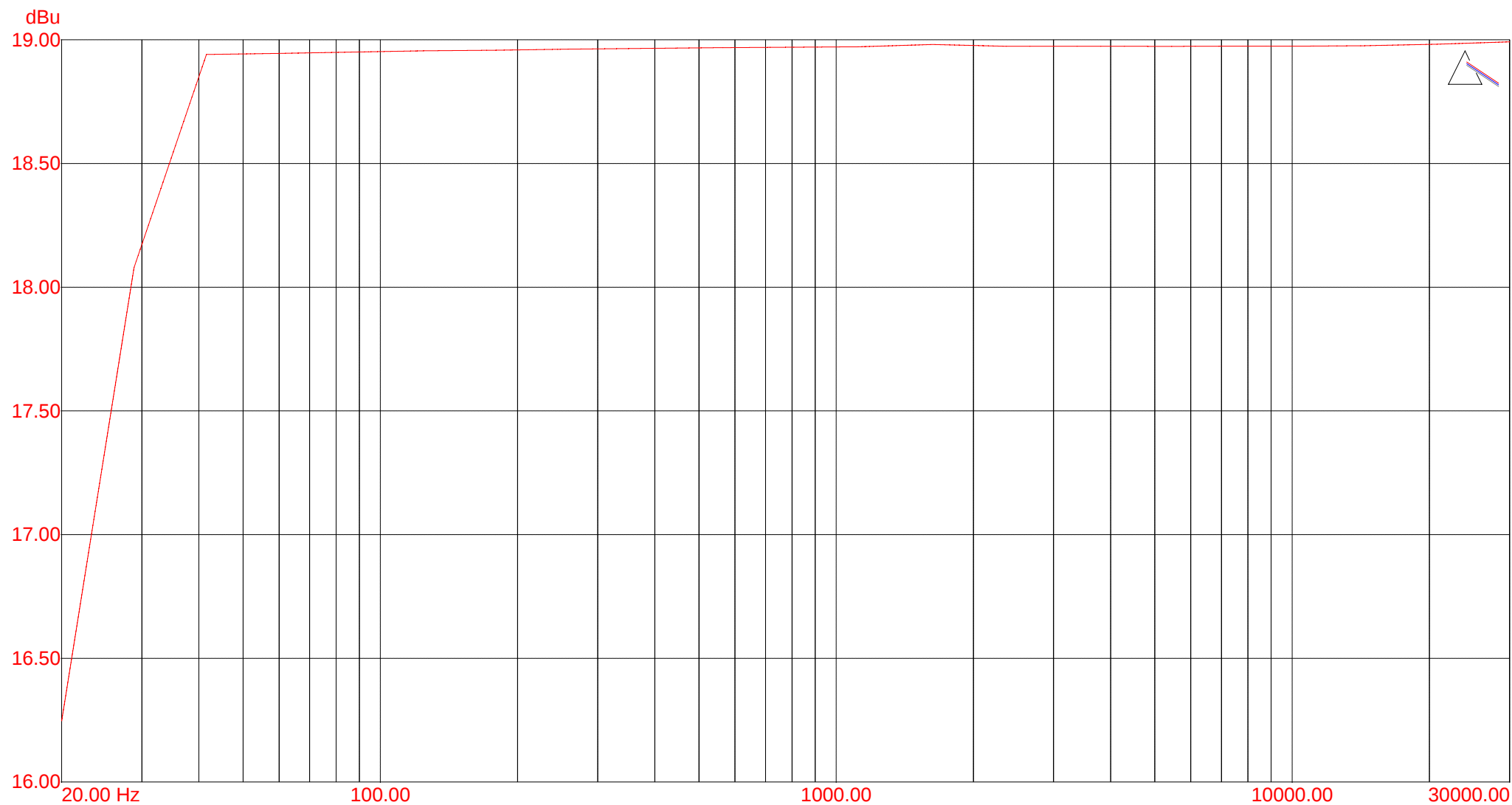
| Line | Name               | Points | Log X                               | Log Y                               |                                                              | Cursor X | Cursor Y |
|------|--------------------|--------|-------------------------------------|-------------------------------------|--------------------------------------------------------------|----------|----------|
| 1    | Ch A Amplitud 0dBu | 21     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> |          |          |

## Frequency Response Of DIBAO DB9101 ( At Amplitud 9dBu )



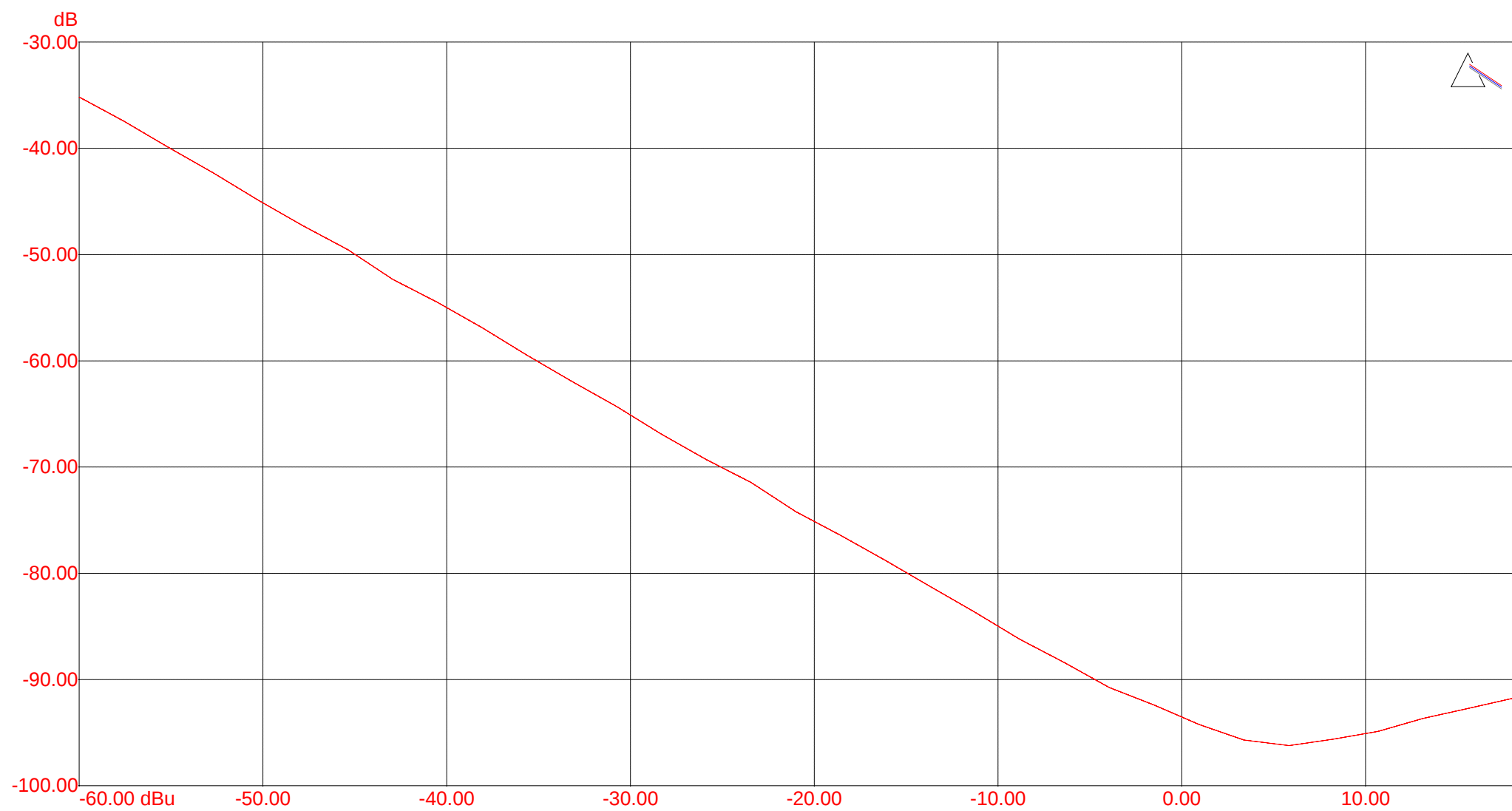
| Line | Name               | Points | Log X                               | Log Y                               |                          | Cursor X | Cursor Y |
|------|--------------------|--------|-------------------------------------|-------------------------------------|--------------------------|----------|----------|
| 1    | Ch A Amplitud 9dBu | 21     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |          |

## Frequency Response Of DIBAO DB9101 ( At Amplitud 19dBu )



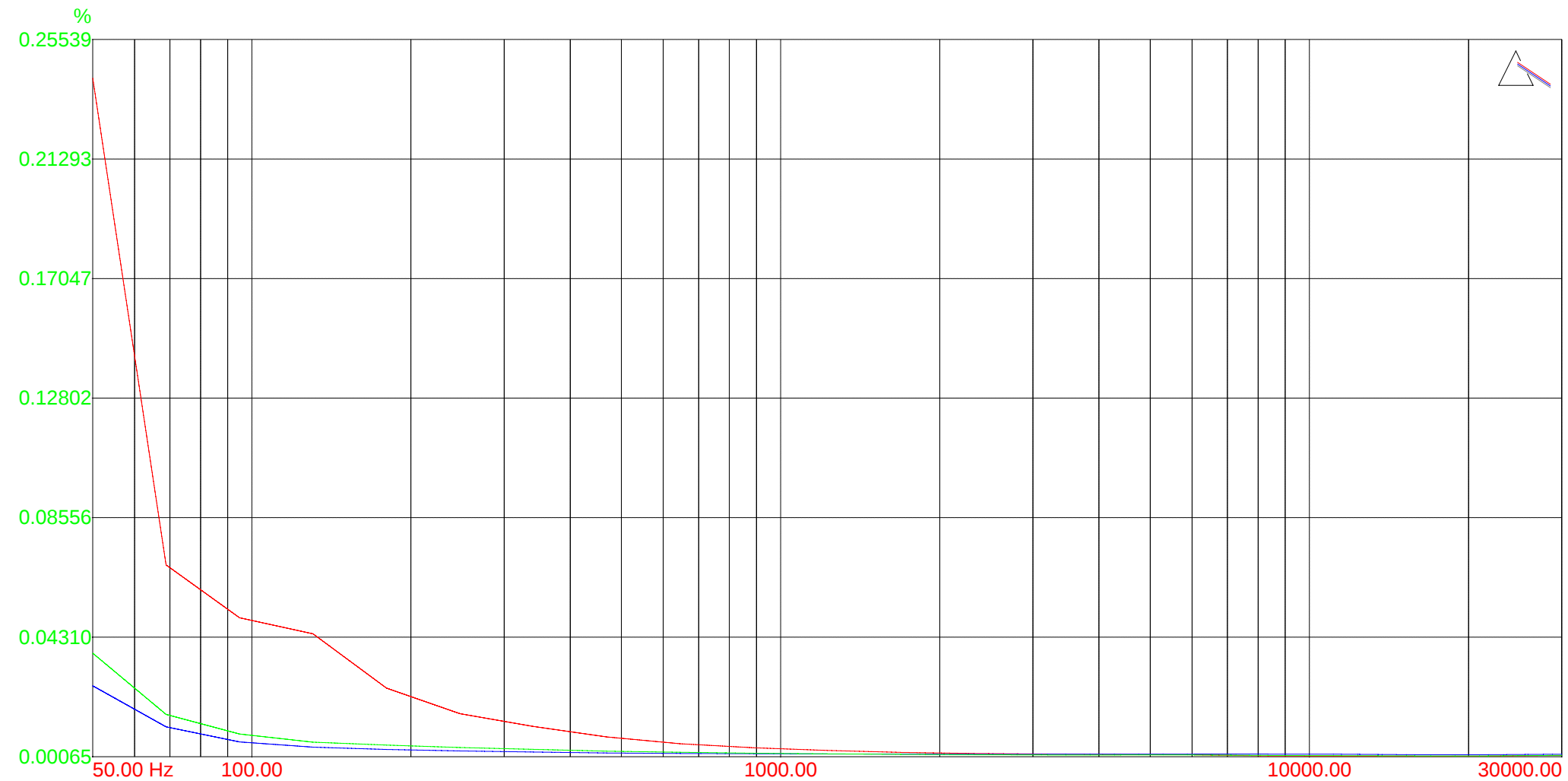
| Line | Name                | Points | Log X                               | Log Y                               |                          | Cursor X | Cursor Y |
|------|---------------------|--------|-------------------------------------|-------------------------------------|--------------------------|----------|----------|
| —    | Ch A Amplitud 19dBu | 21     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |          |

THD+N vs amplitude Of DIBAO DB9101



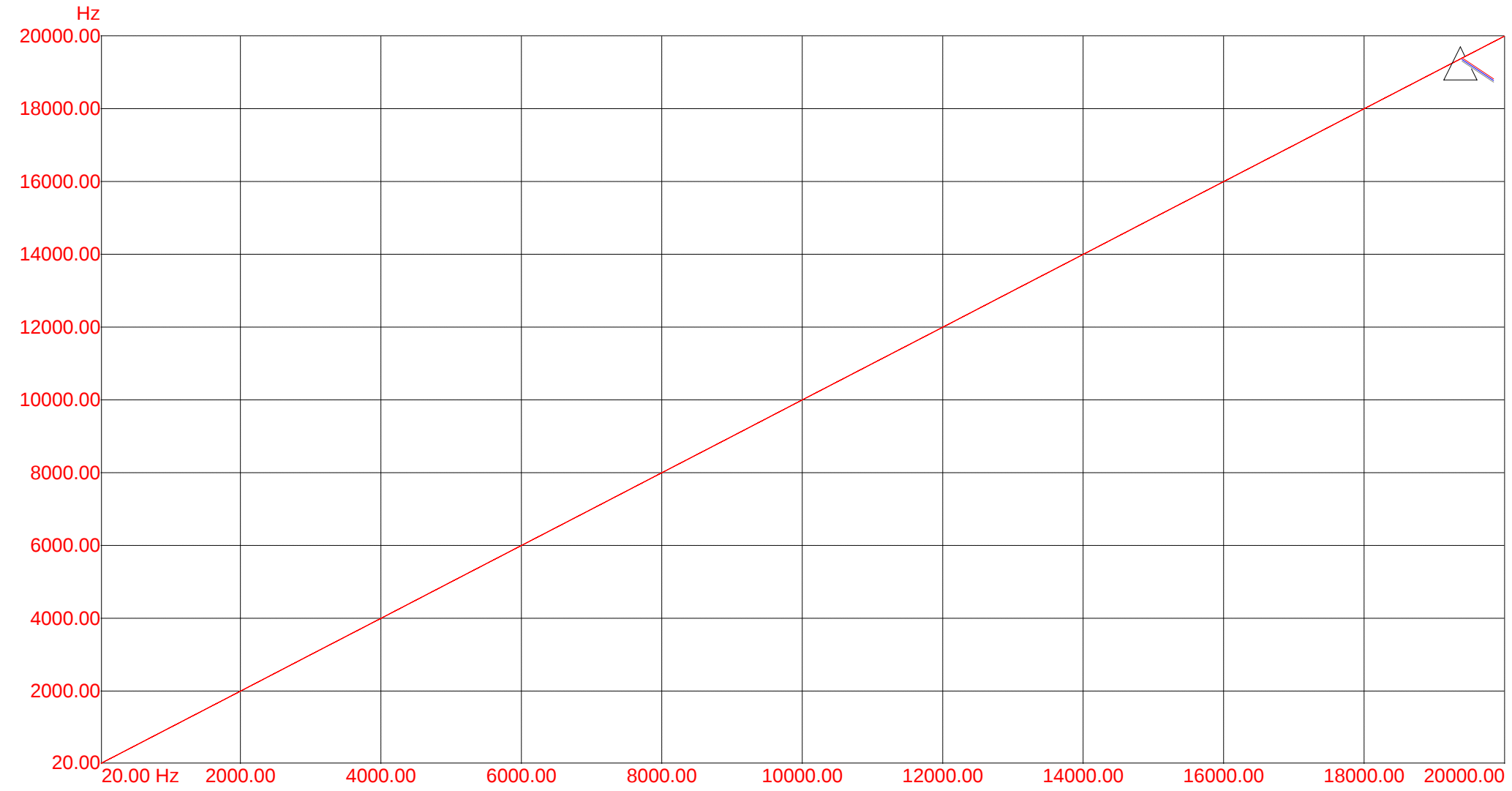
| Line | Name               | Points | Log X                               | Log Y                               |                          | Cursor X | Cursor Y |
|------|--------------------|--------|-------------------------------------|-------------------------------------|--------------------------|----------|----------|
| 1    | Ch A Amplitud 4dBu | 33     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |          |

THD+N vs Frequency Of DIBAO DB9101



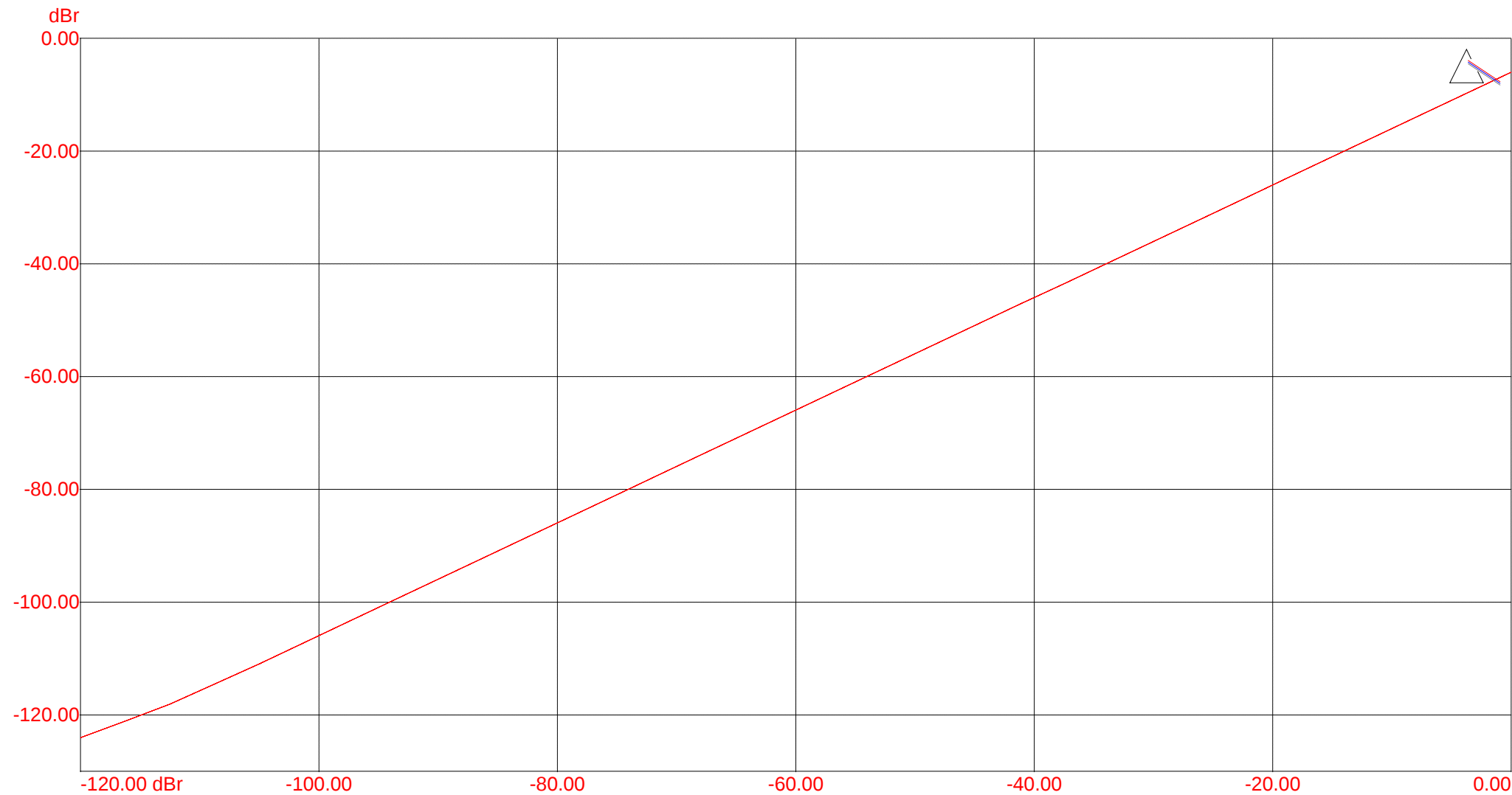
| Line | Name                | Points | Log X                               | Log Y                    |                          | Cursor X                 | Cursor Y |
|------|---------------------|--------|-------------------------------------|--------------------------|--------------------------|--------------------------|----------|
| —    | Ch A Amplitud 19dBu | 21     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| —    | Ch A Amplitud 9dBu  | 21     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| —    | Ch A Amplitud 4dBu  | 21     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |

Frequency Accuracy Of DIBAO DB9101



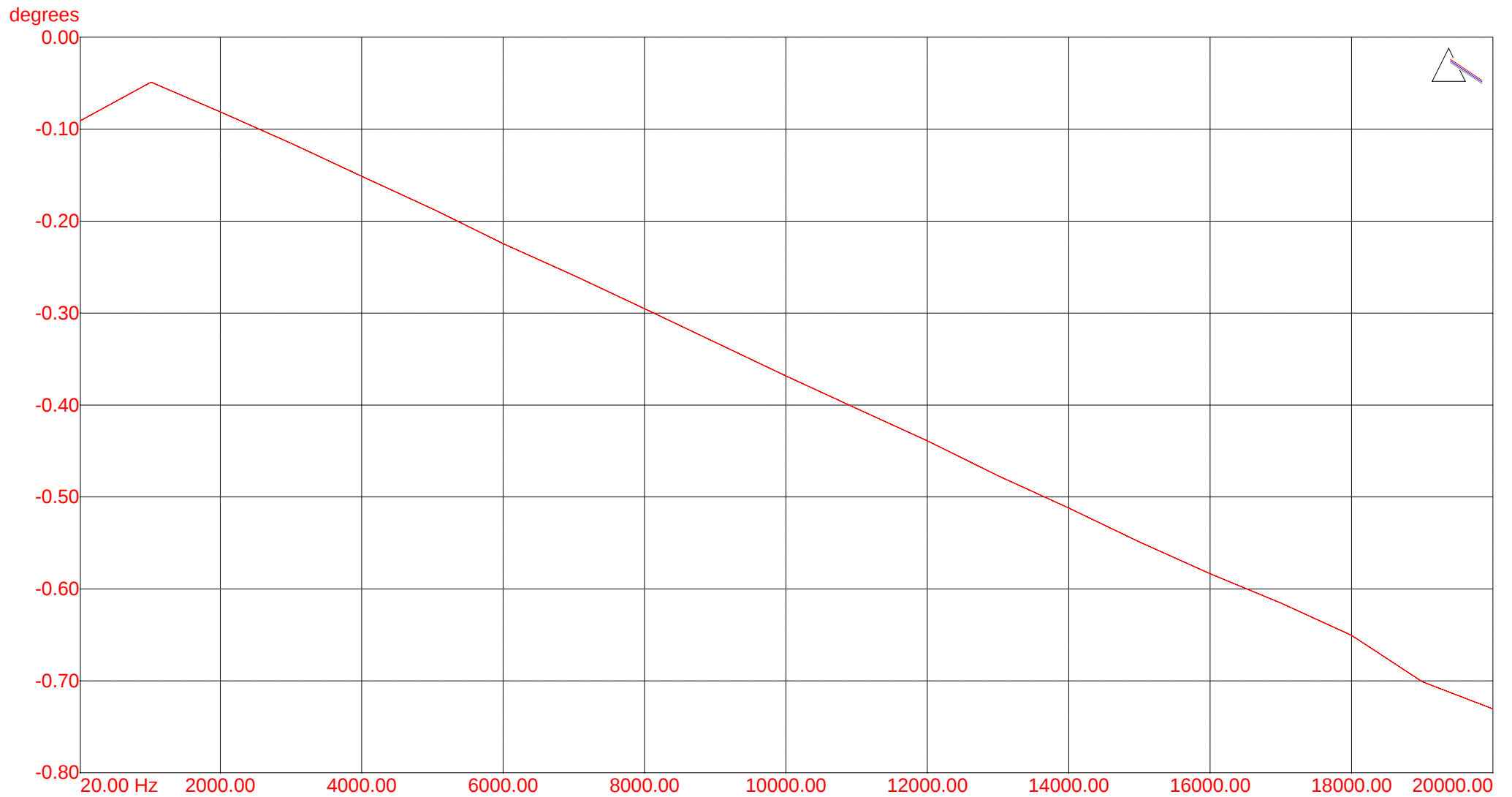
| Line | Name               | Points | Log X                    | Log Y                    |                                                              | Cursor X | Cursor Y |
|------|--------------------|--------|--------------------------|--------------------------|--------------------------------------------------------------|----------|----------|
| —    | Sweep of Ch A freq | 21     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> <input type="checkbox"/> |          |          |

Linearity Of DIBAO DB9101



| Line | Name                   | Points | Log X                               | Log Y                               |                                                   | Cursor X | Cursor Y |
|------|------------------------|--------|-------------------------------------|-------------------------------------|---------------------------------------------------|----------|----------|
| —    | Sweep of Ch A RMS ampl | 33     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |          |          |

## Inter-channel phase Of DIBAO DB9101

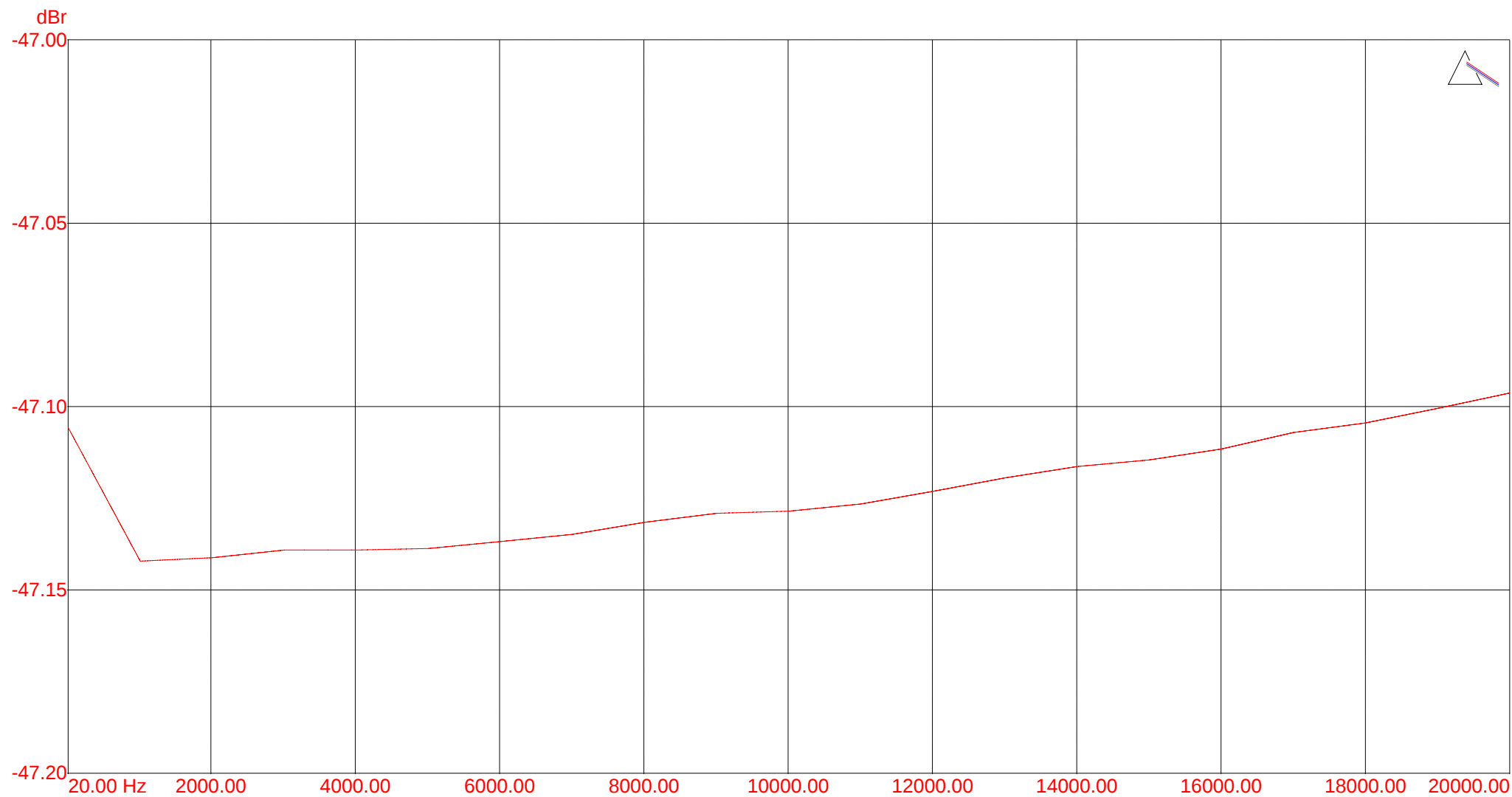


| Line | Name                | Points | Log X | Log Y |  | Cursor X | Cursor Y |
|------|---------------------|--------|-------|-------|--|----------|----------|
| —    | Ch A Sweep of Phase |        |       |       |  |          |          |

21



## Output Balanced Common-mode Of DIBAO DB9101



| Line | Name                   | Points | Log X                    | Log Y                               | Cursor X                 | Cursor Y                 |
|------|------------------------|--------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| —    | Sweep of Ch A RMS ampl | 21     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |