



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>

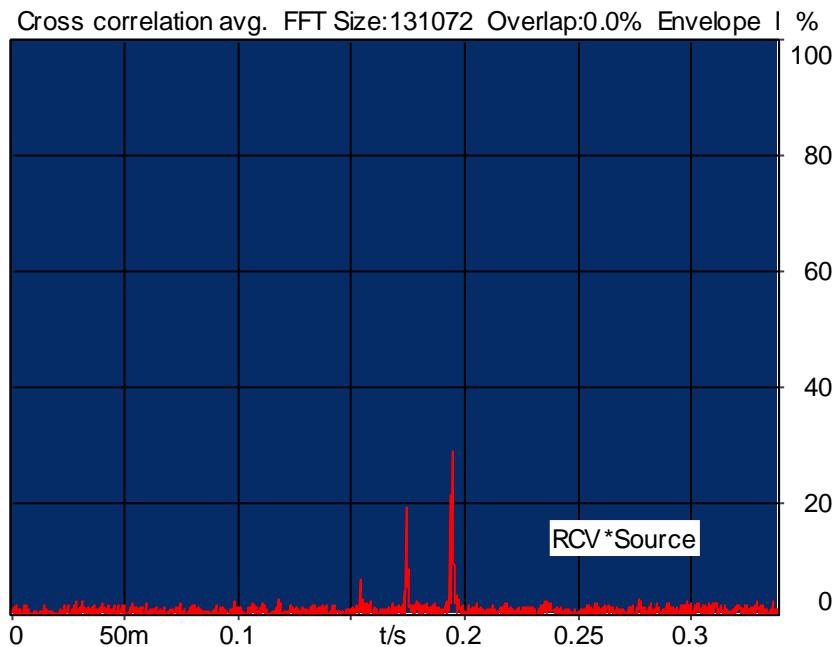


#1 WLAN 6GHz EVS WB 24.4kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 194.5 |
| 5.1a Receive Volume Control Performance 8N WB | Ok | Speech Level [dB[SPL]] | 93.02 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 86.56 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.95 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.65 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.66 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.67 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.06 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.29 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.68 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.92 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 25.00 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.67 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 28.04 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.04 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 27.28 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.68 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.23 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.18 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.62 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.18 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.43 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 29.84 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.22 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 23.09 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.83 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 21.77 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 25.80 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.77 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 29.12 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.73 |
| 5.3 Frequency Response 8N FF | Ok | Min. dist. to tolerance scheme [dB], 649.1 Hz | 1.57 |
| 5.3 Frequency Response 2N FF | Ok | Min. dist. to tolerance scheme [dB], 4369.4 Hz | 0.81 |

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

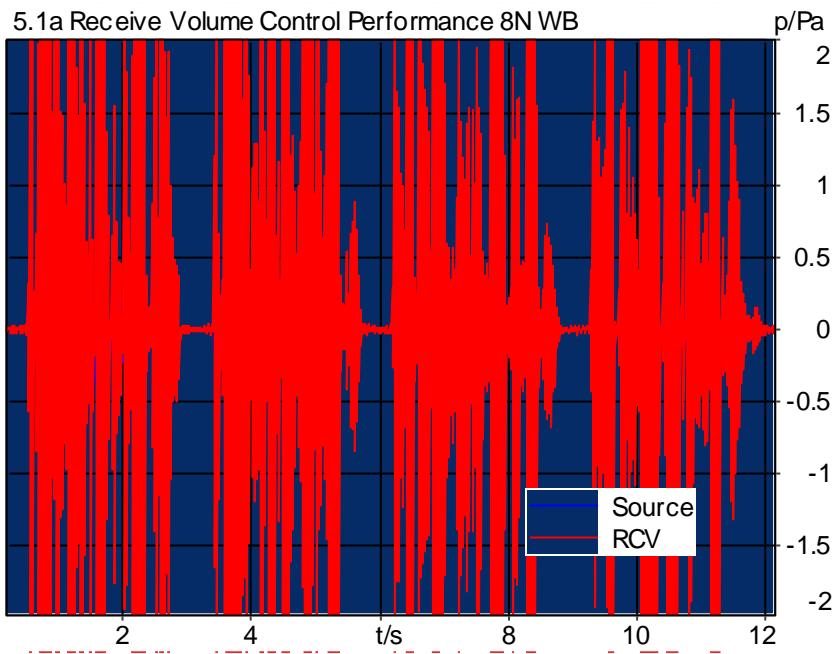


| Channel | Delay | Correlation |
|------------|----------|-------------|
| RCV*Source | 194.5 ms | 28.72 % |

2024-10-28 下午 07:18 ACQUA 6.1.100

5.1a Receive Volume Control Performance 8N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 93.02 dB[SPL] | 83.72% | Ok |

Ok

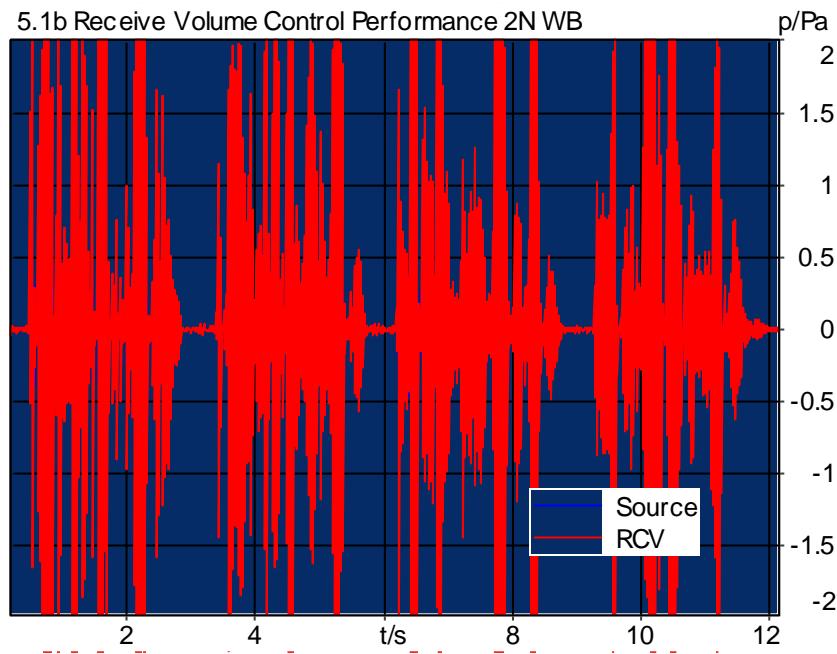
2024-10-28 下午 07:31 ACQUA 6.1.100

Limits

| |
|---------------|
| lower |
| 76.00 dB[SPL] |

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 86.56 dB[SPL] | 84.25% | Ok |

Ok

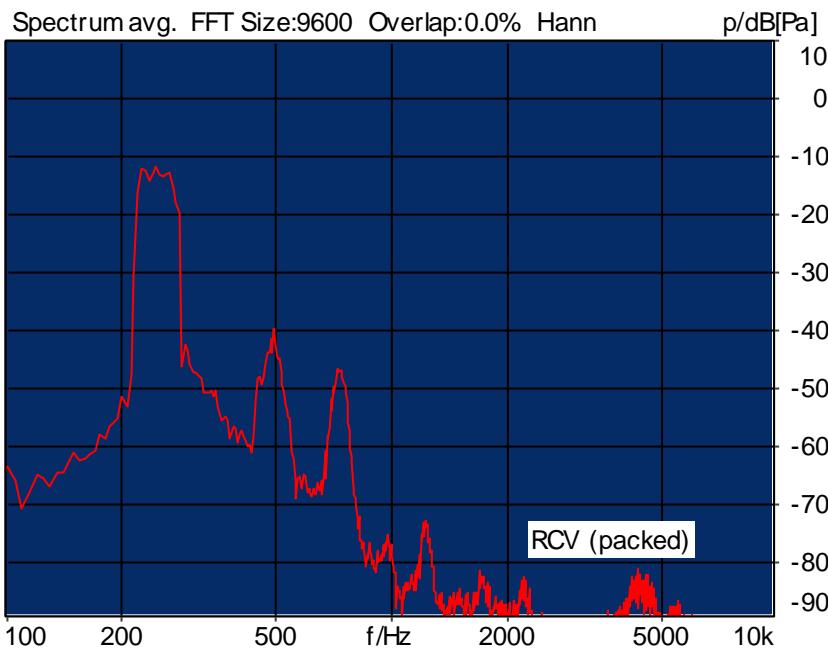
2024-10-28 下午 07:18 ACQUA 6.1.100

Limits

| |
|---------------|
| lower |
| 76.00 dB[SPL] |

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 30.95 dB (2.84%) Ok

Ok

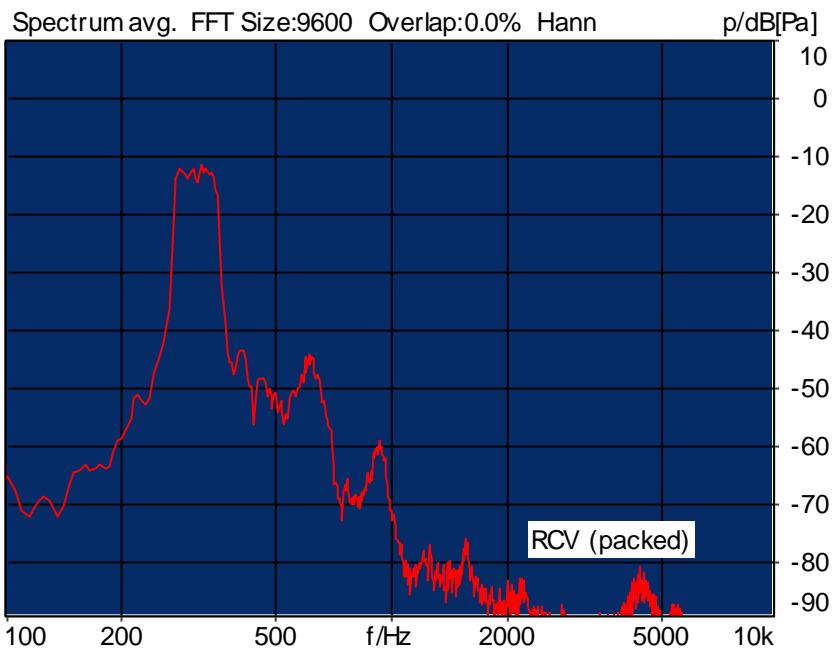
2024-10-28 下午 07:32 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 32.65 dB (2.33%) Ok

Ok

2024-10-28 下午 07:33 ACQUA 6.1.100

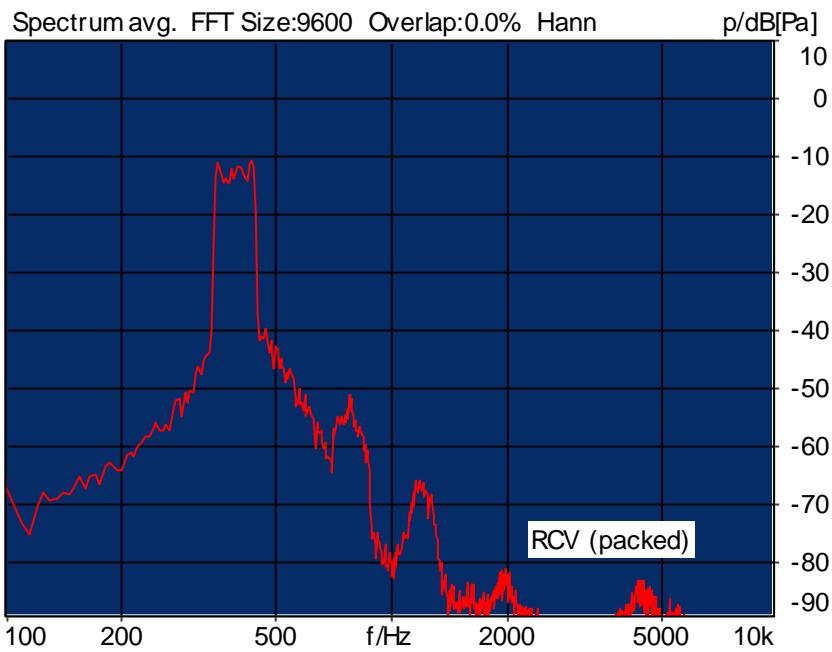
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 34.66 dB (1.85%) Ok

Ok

2024-10-28 下午 07:33 ACQUA 6.1.100

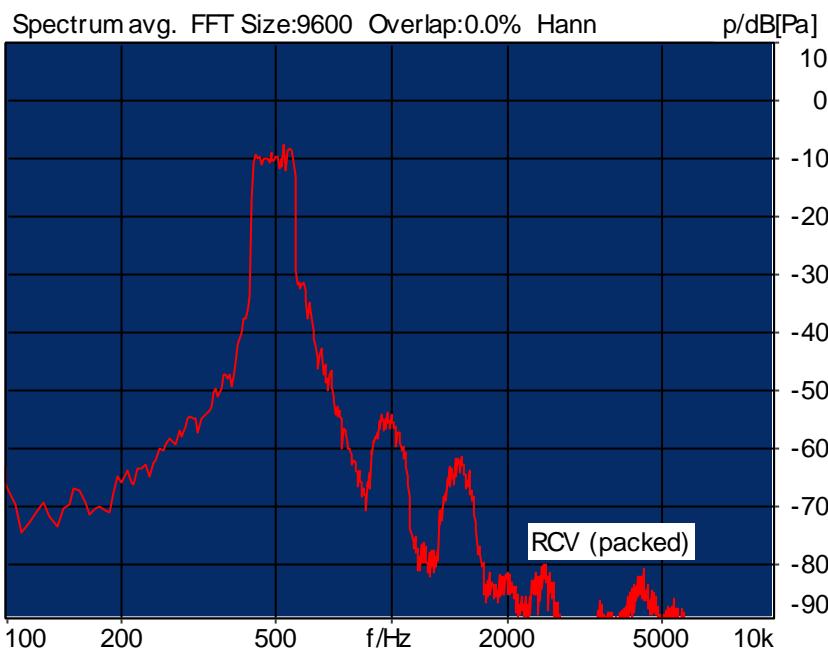
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 32.67 dB (2.33%) Ok

Ok

2024-10-28 下午 07:34 ACQUA 6.1.100

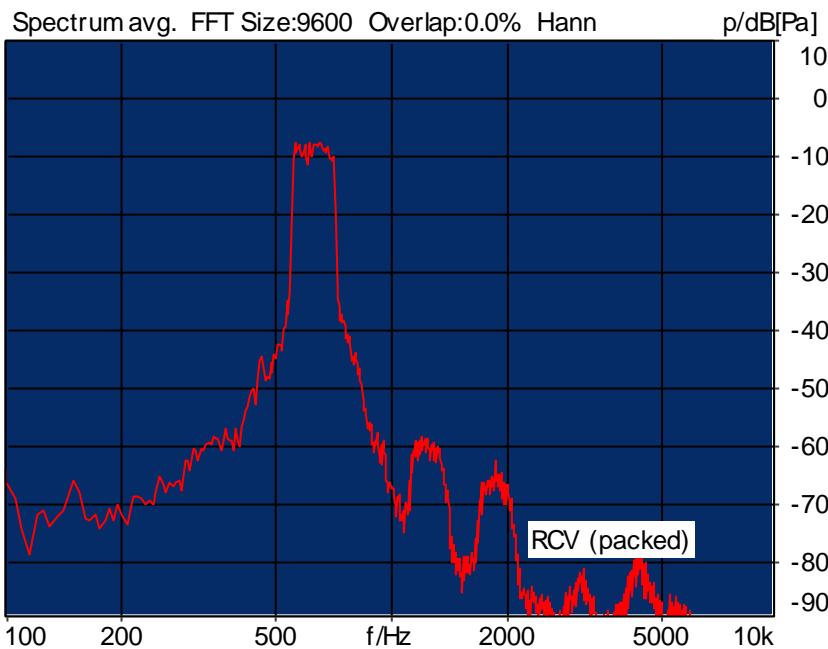
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 36.06 dB (1.57%) Ok

Ok

2024-10-28 下午 07:34 ACQUA 6.1.100

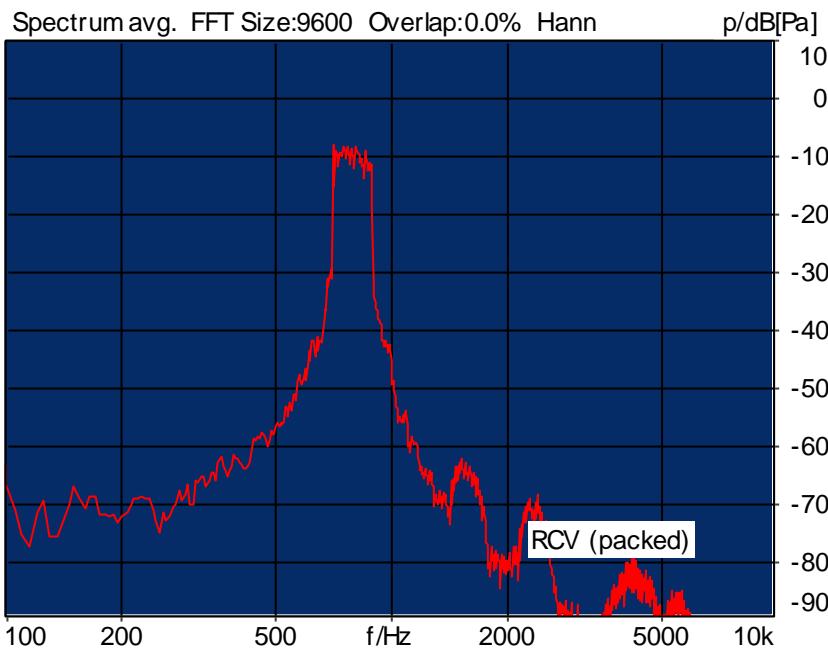
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 33.29 dB (2.17%) Ok

Ok

2024-10-28 下午 07:35 ACQUA 6.1.100

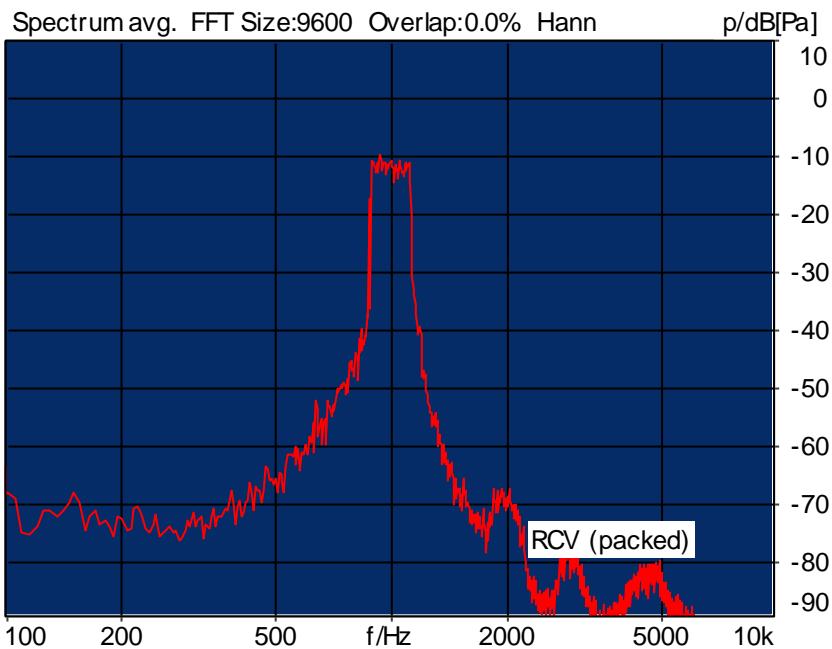
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 32.68 dB (2.32%) Ok

Ok

2024-10-28 下午 07:35 ACQUA 6.1.100

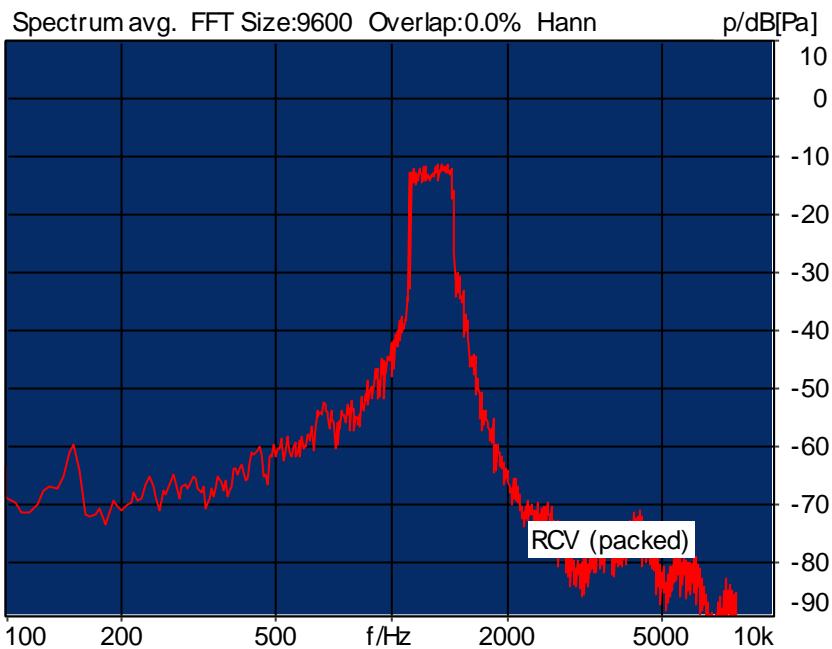
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 22.92 dB (7.15%) Ok

Ok

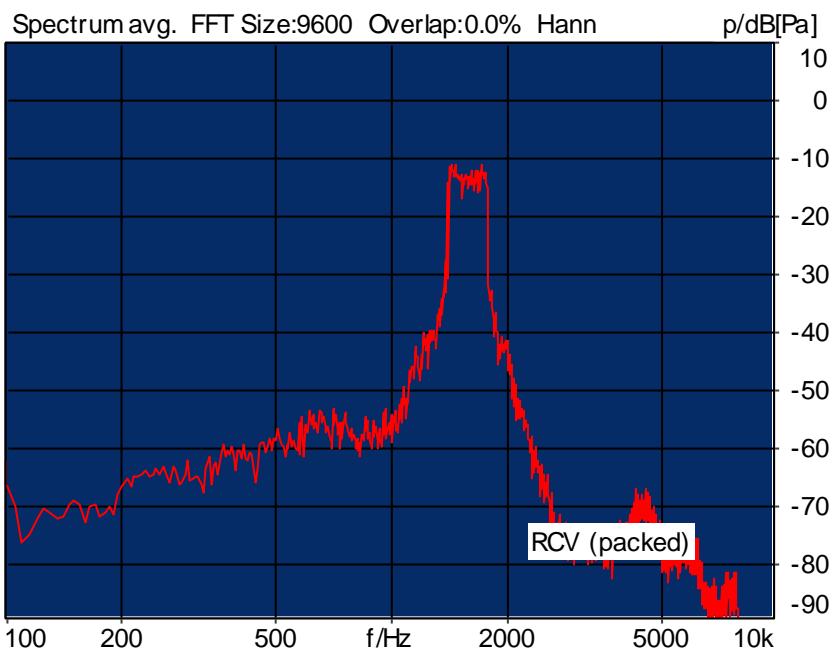
2024-10-28 下午 07:36 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 25.00 dB (5.62%) Ok

Ok

2024-10-28 下午 07:36 ACQUA 6.1.100

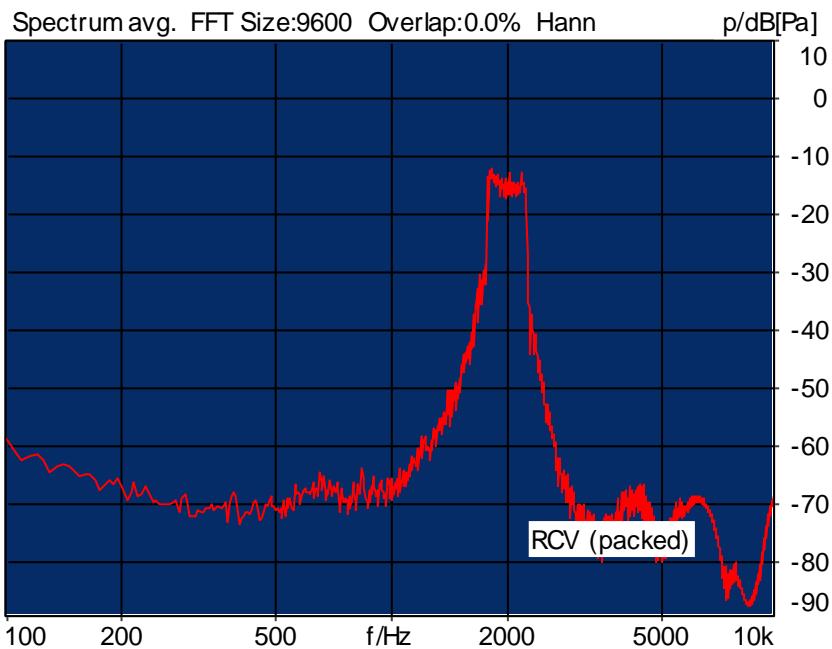
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 22.67 dB (7.36%) Ok

Ok

2024-10-28 下午 07:37 ACQUA 6.1.100

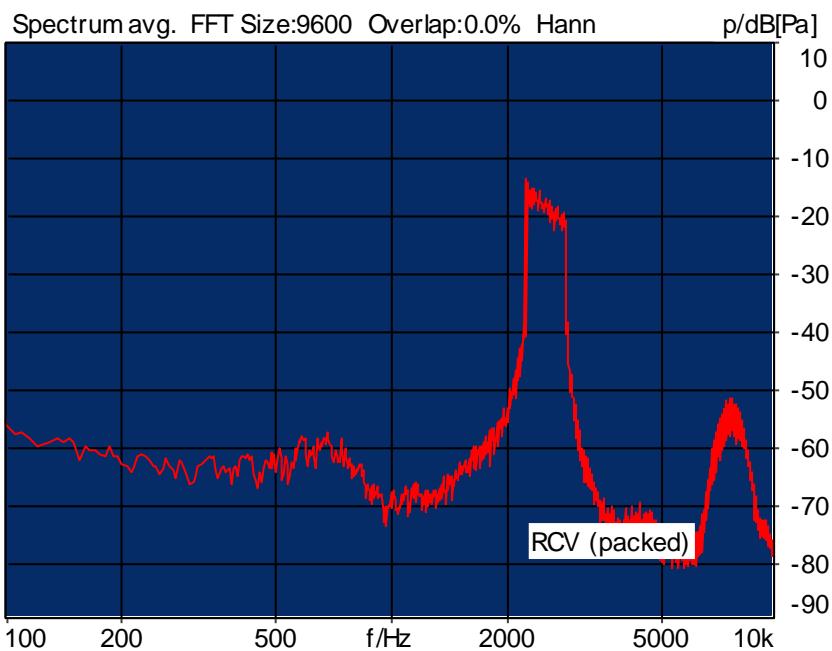
Limits

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|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 28.04 dB (3.96%) Ok

Ok

2024-10-28 下午 07:38 ACQUA 6.1.100

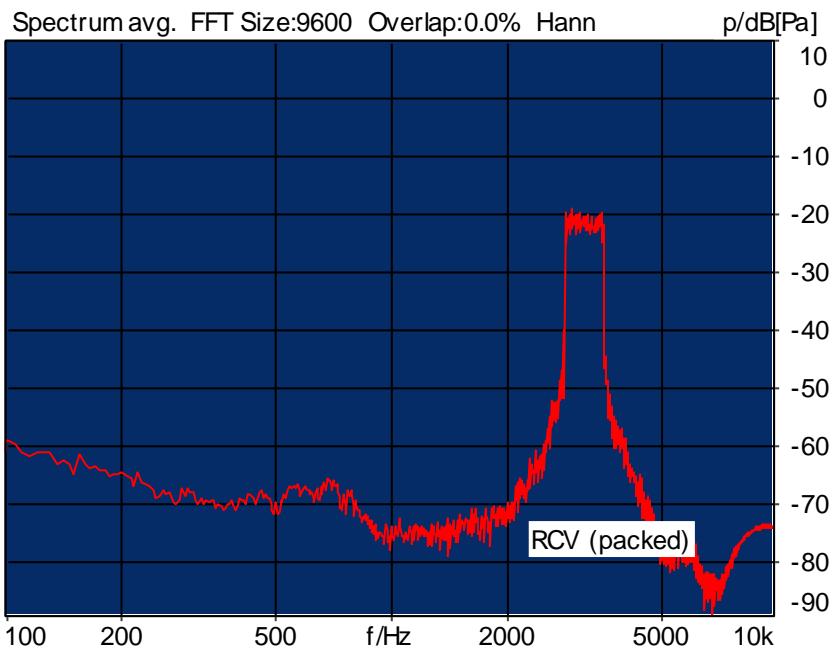
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 31.04 dB (2.81%) Ok

Ok

2024-10-28 下午 07:38 ACQUA 6.1.100

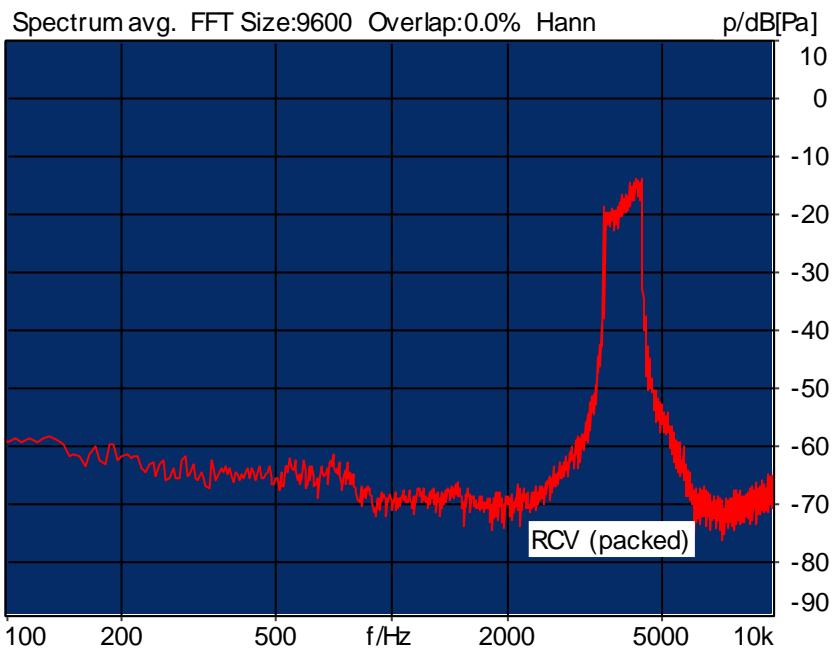
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 27.28 dB (4.33%) Ok

Ok

2024-10-28 下午 07:39 ACQUA 6.1.100

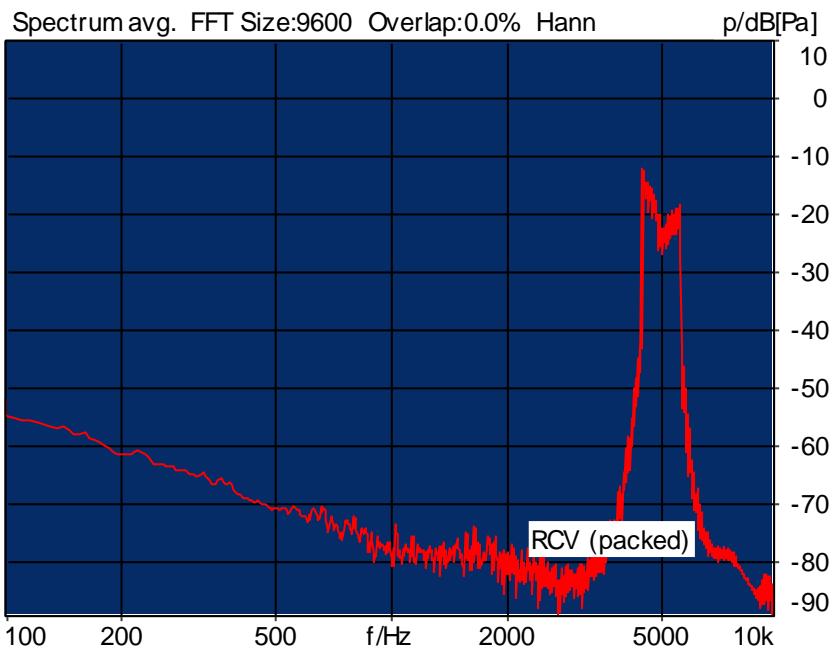
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N change frequency range



Distortion (Noise) RCV (packed): 33.68 dB (2.07%) Ok

Ok

2024-10-28 下午 07:39 ACQUA 6.1.100

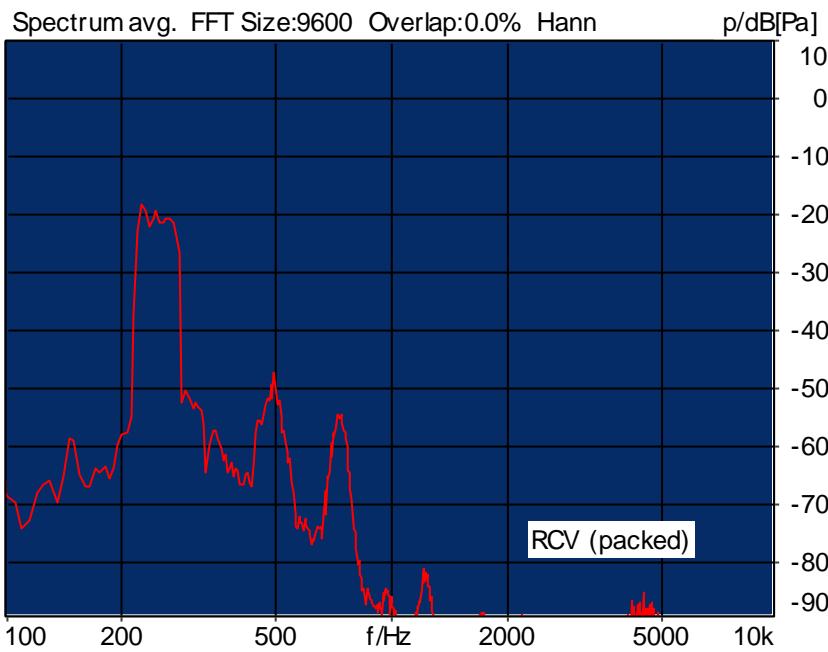
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 31.23 dB (2.75%) Ok

Ok

2024-10-28 下午 07:19 ACQUA 6.1.100

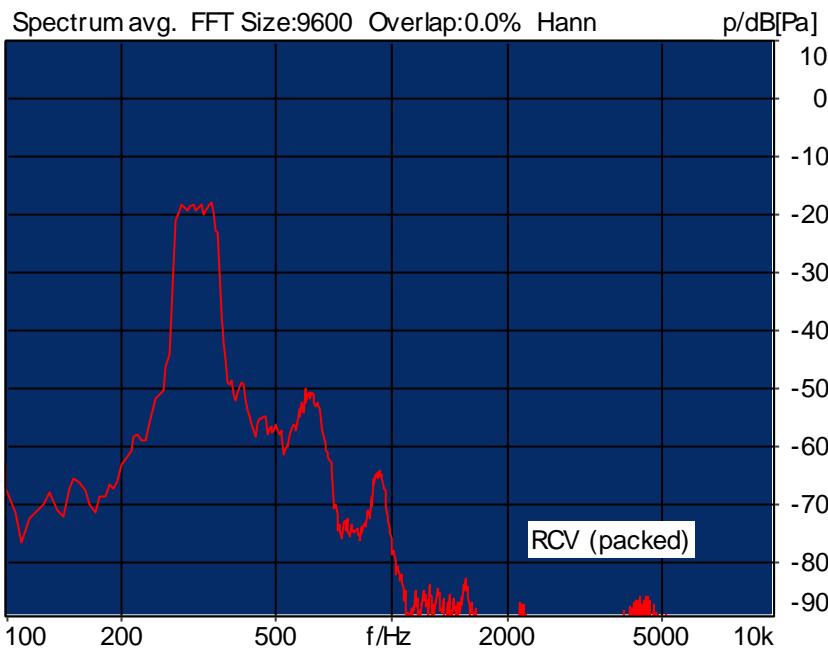
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 32.18 dB (2.46%) Ok

Ok

2024-10-28 下午 07:20 ACQUA 6.1.100

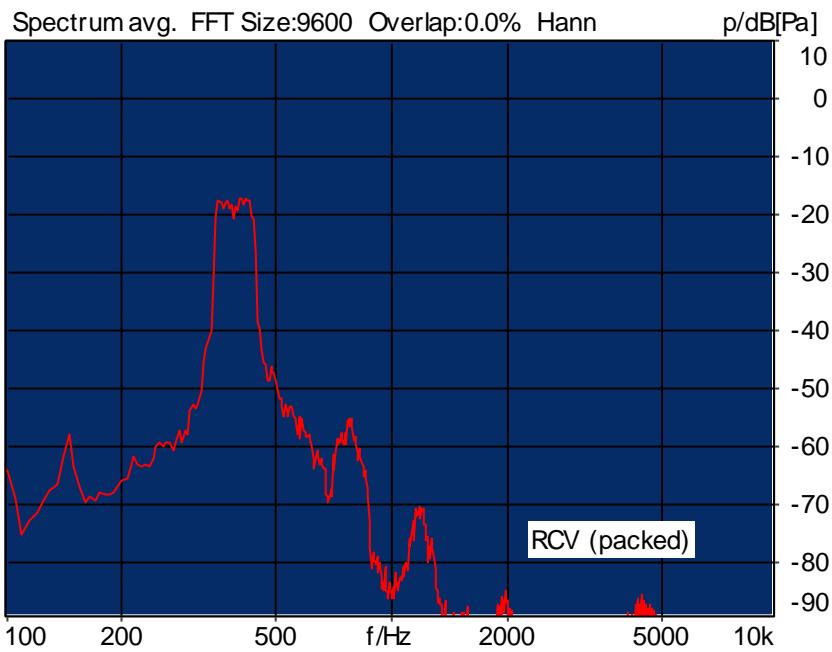
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 33.62 dB (2.08%) Ok

Ok

2024-10-28 下午 07:20 ACQUA 6.1.100

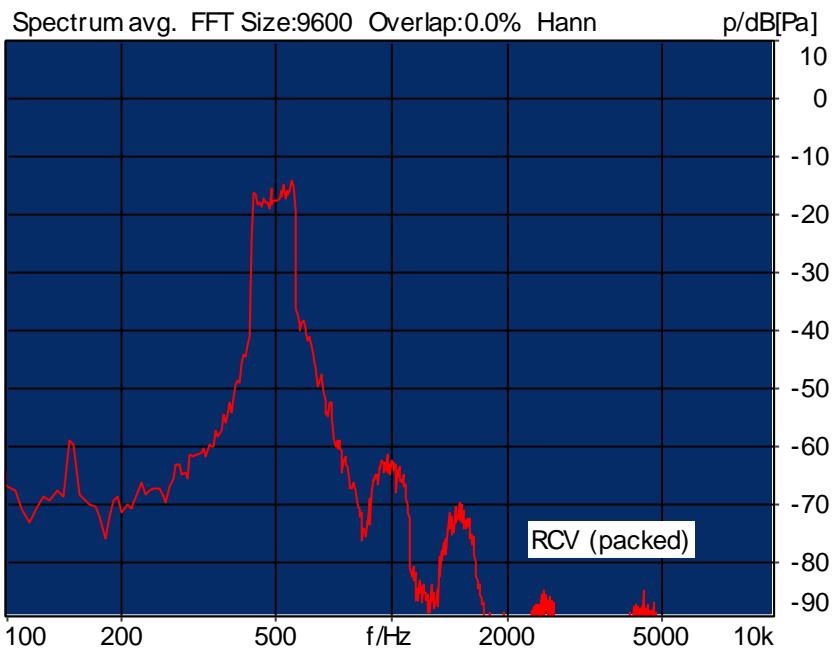
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 31.18 dB (2.76%) Ok

Ok

2024-10-28 下午 07:21 ACQUA 6.1.100

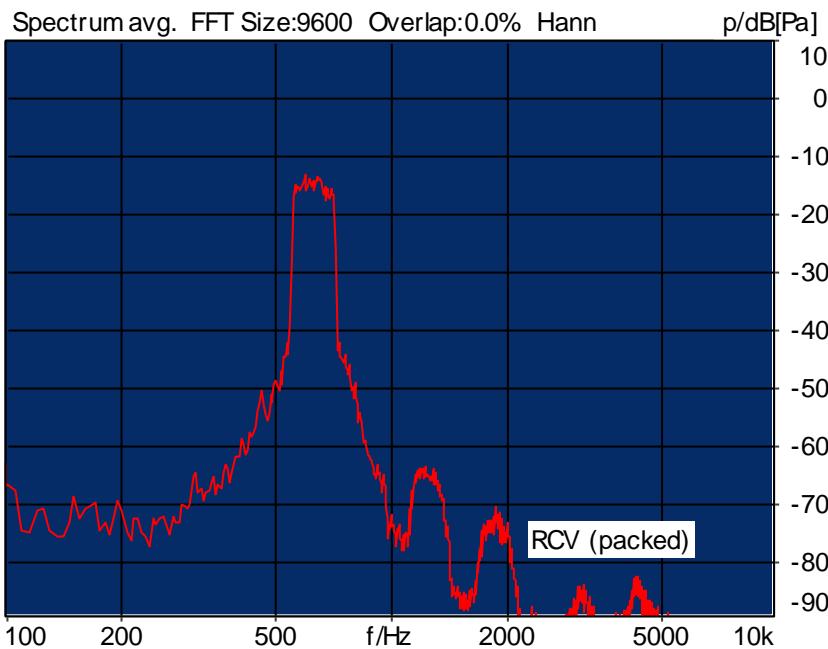
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 35.43 dB (1.69%) Ok

Ok

2024-10-28 下午 07:21 ACQUA 6.1.100

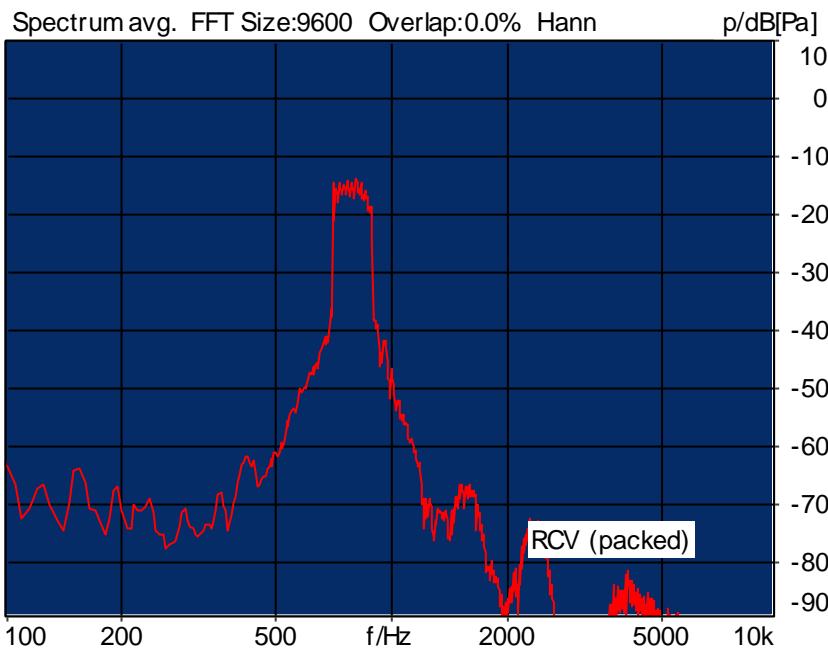
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 29.84 dB (3.22%) Ok

Ok

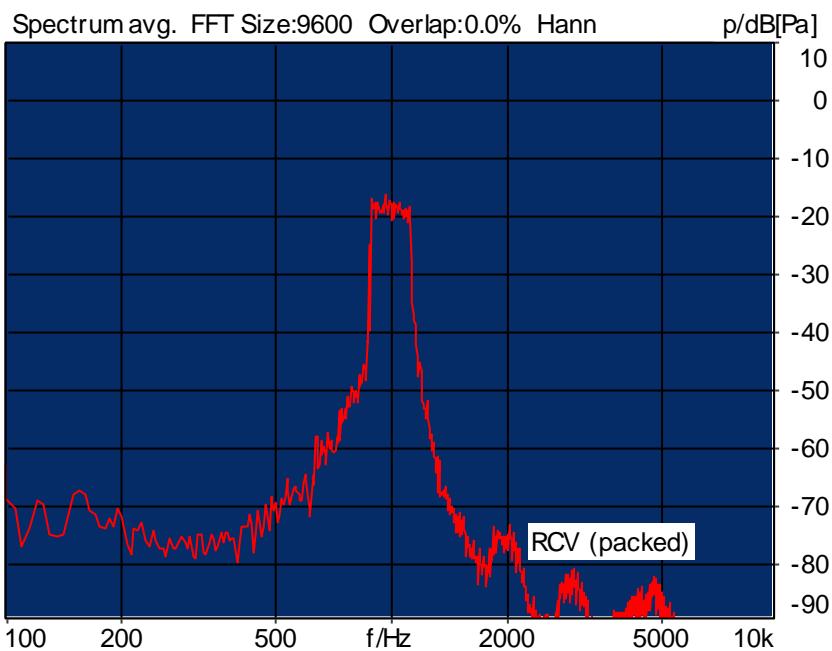
2024-10-28 下午 07:22 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 31.22 dB (2.75%) Ok

Ok

2024-10-28 下午 07:22 ACQUA 6.1.100

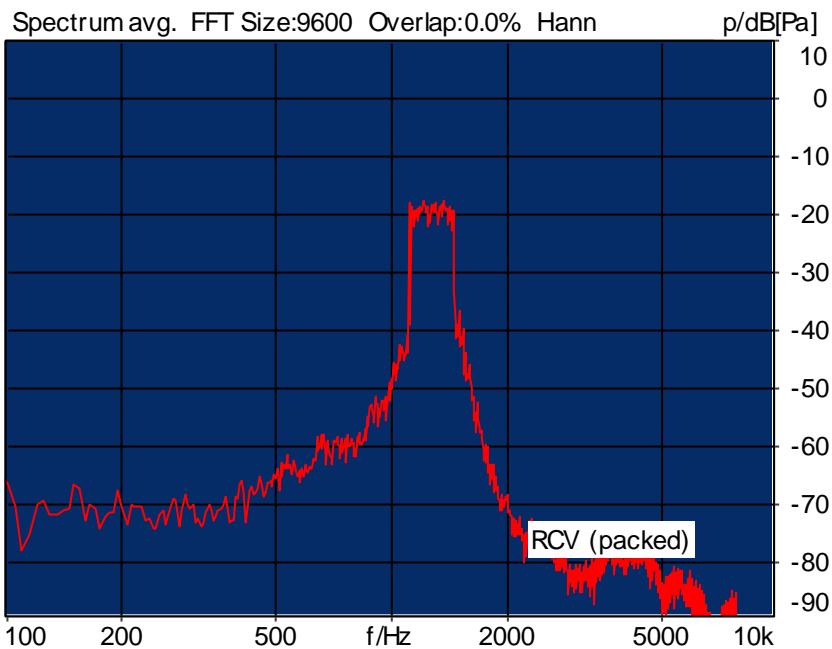
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 23.09 dB (7.01%) Ok

Ok

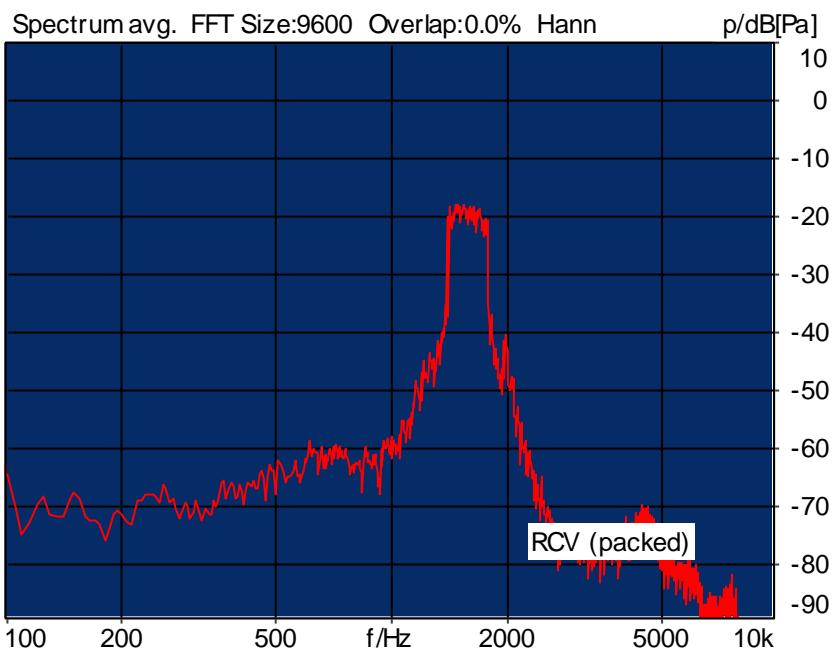
2024-10-28 下午 07:23 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 22.83 dB (7.22%) Ok

Ok

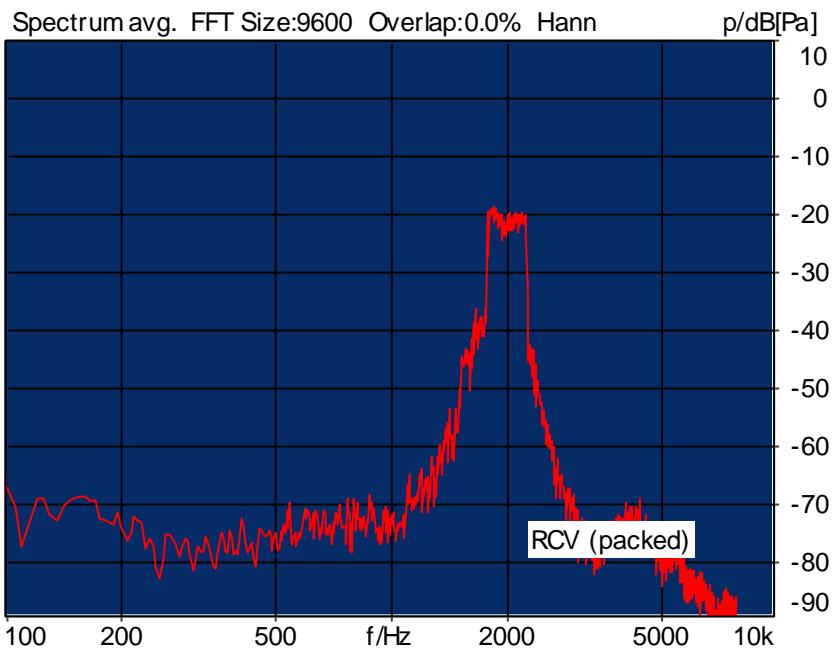
2024-10-28 下午 07:23 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 21.77 dB (8.16%) Ok

Ok

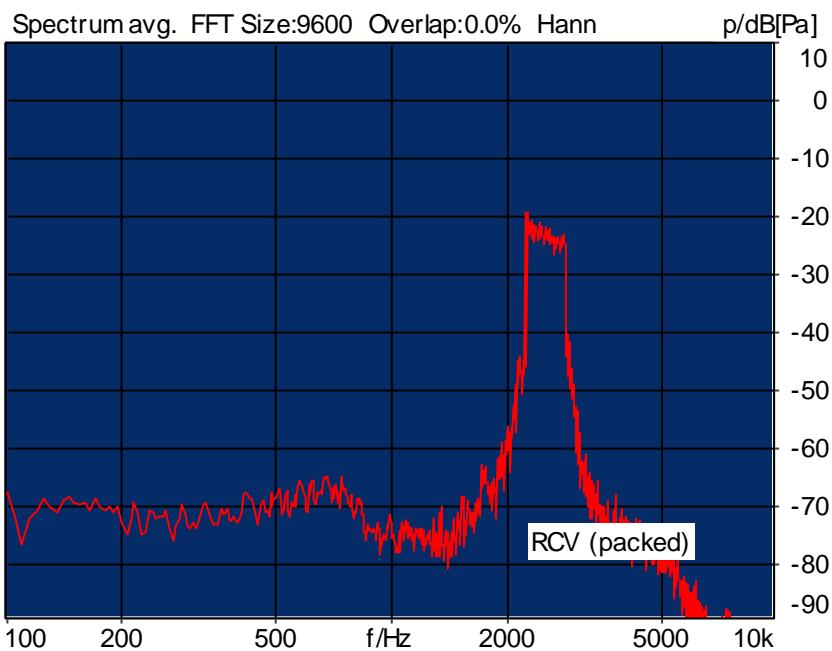
2024-10-28 下午 07:24 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 25.80 dB (5.13%) Ok

Ok

2024-10-28 下午 07:24 ACQUA 6.1.100

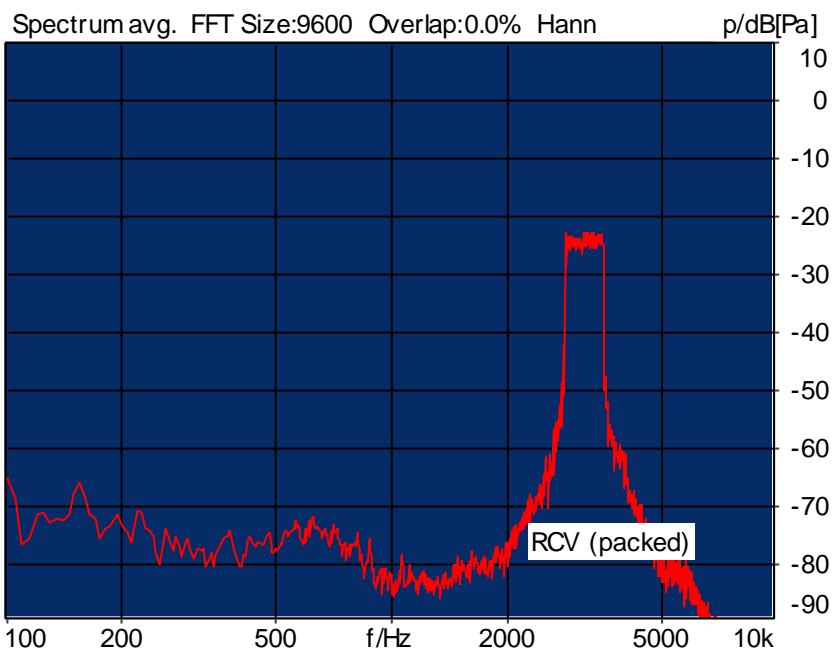
Limits

| |
|----------|
| lower |
| 20.00 dB |



5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 31.77 dB (2.58%) Ok

Ok

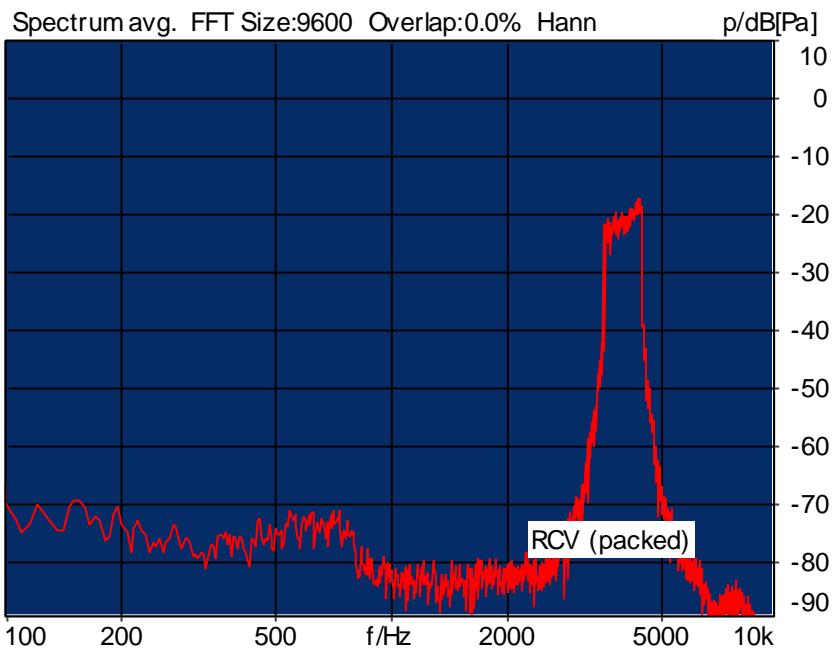
2024-10-28 下午 07:25 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 29.12 dB (3.50%) Ok

Ok

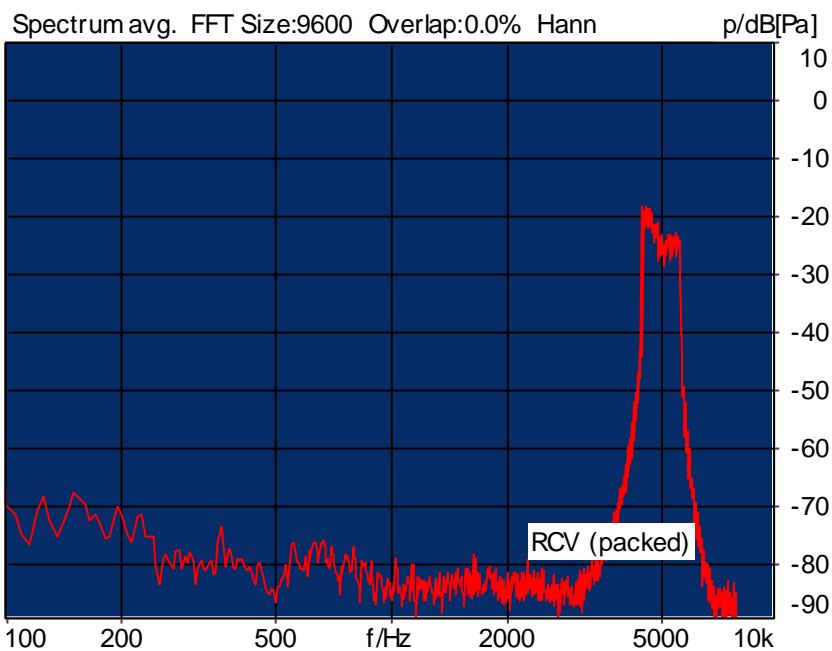
2024-10-28 下午 07:26 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N change frequency range



Distortion (Noise) RCV (packed): 31.73 dB (2.59%) Ok

Ok

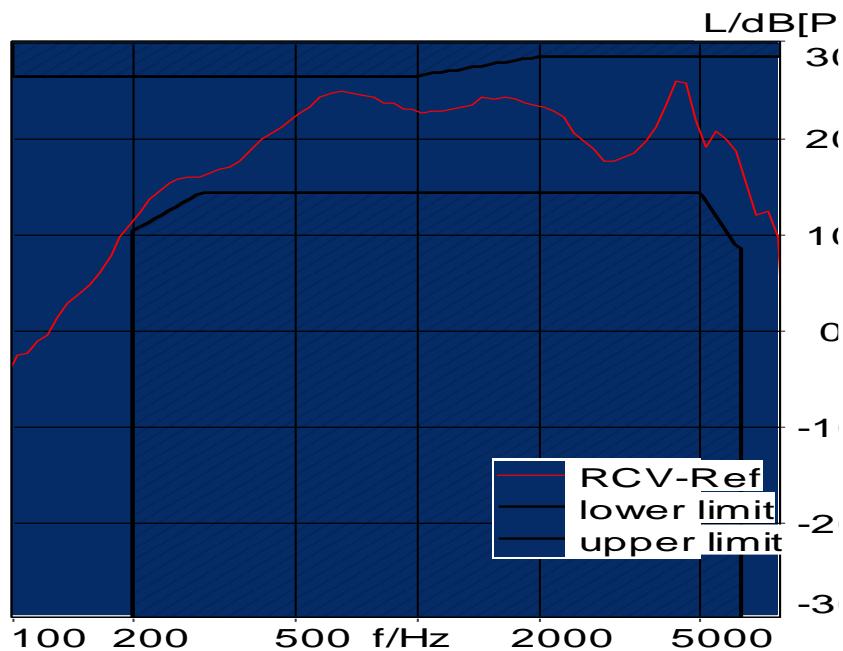
2024-10-28 下午 07:26 ACQUA 6.1.100

Limits

| |
|----------|
| lower |
| 20.00 dB |

5.3 Frequency Response 8N FF

TIA-5050 (2018-01) \ Measurements \ Wideband



Absolute minimal distance

1.57 dB at 649.1 Hz Ok

Ok

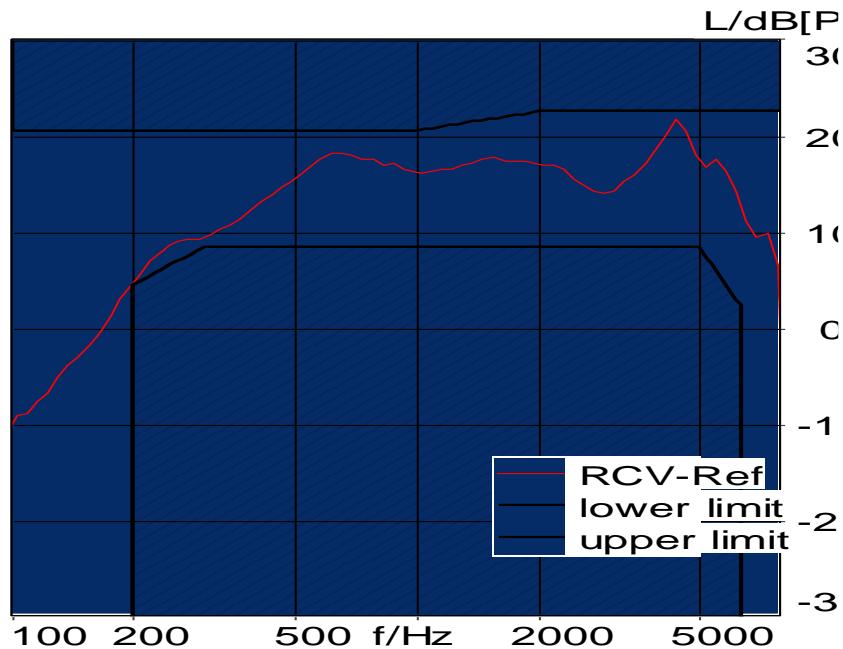
2024-10-28 下午 07:40 ACQUA 6.1.100

Limits

| |
|--------------------|
| lower |
| Fit into tolerance |

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband



Absolute minimal distance

0.81 dB at 4369.4 Hz Ok

Ok

2024-10-28 下午 07:28 ACQUA 6.1.100

Limits

| |
|--------------------|
| lower |
| Fit into tolerance |



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>

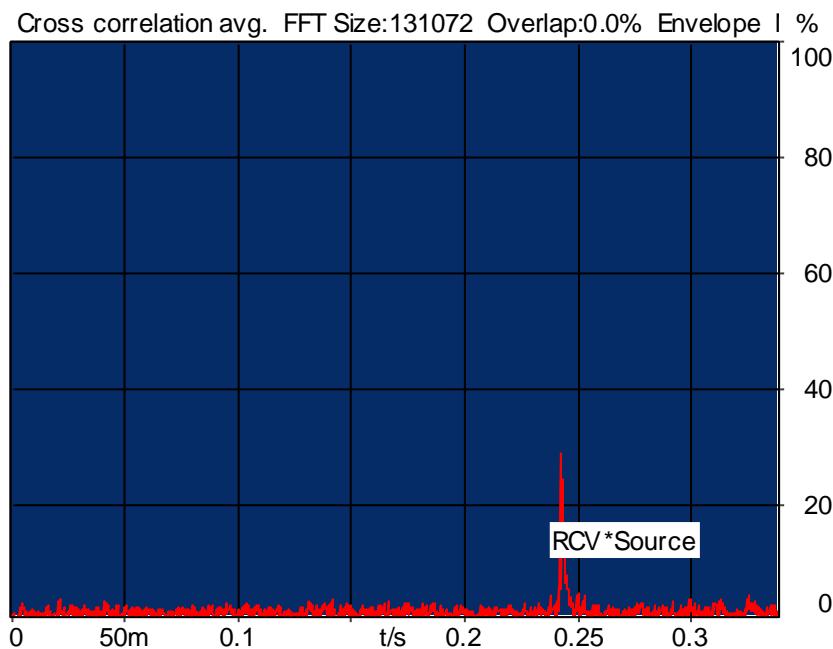


#2 WLAN 6GHz AMR NB 4.75kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay NB | Done | Delay (Cross) [ms] | 242.7 |
| 5.1a Receive Volume Control Performance 8N NB | Ok | Speech Level [dB[SPL]] | 92.60 |
| 5.1b Receive Volume Control Performance 2N NB | Ok | Speech Level [dB[SPL]] | 85.70 |

Overall Receive Delay NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement

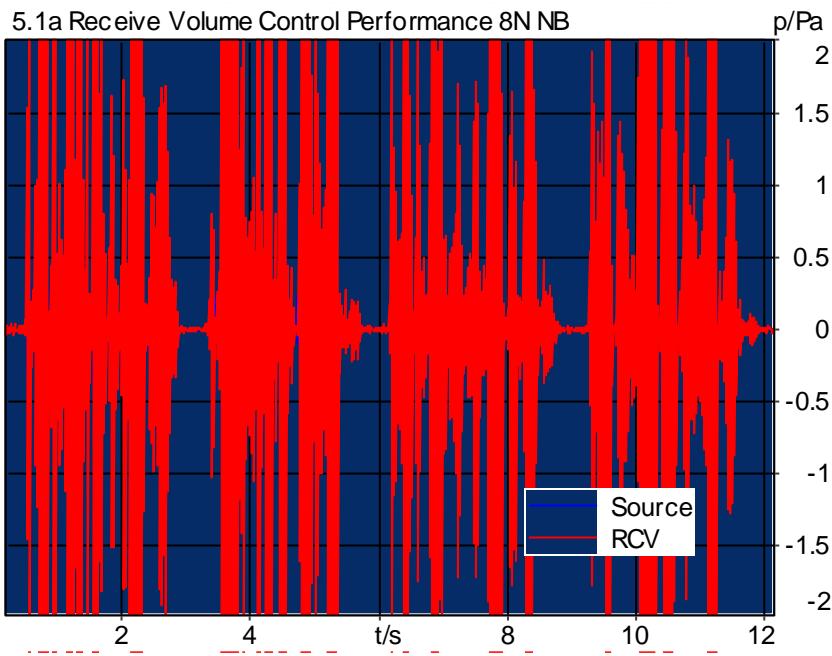


| Channel | Delay | Correlation |
|------------|----------|-------------|
| RCV*Source | 242.7 ms | 29.06 % |

2024-10-28 下午 08:11 ACQUA 6.1.100

5.1a Receive Volume Control Performance 8N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 92.60 dB[SPL] | 79.93% | Ok |

Ok

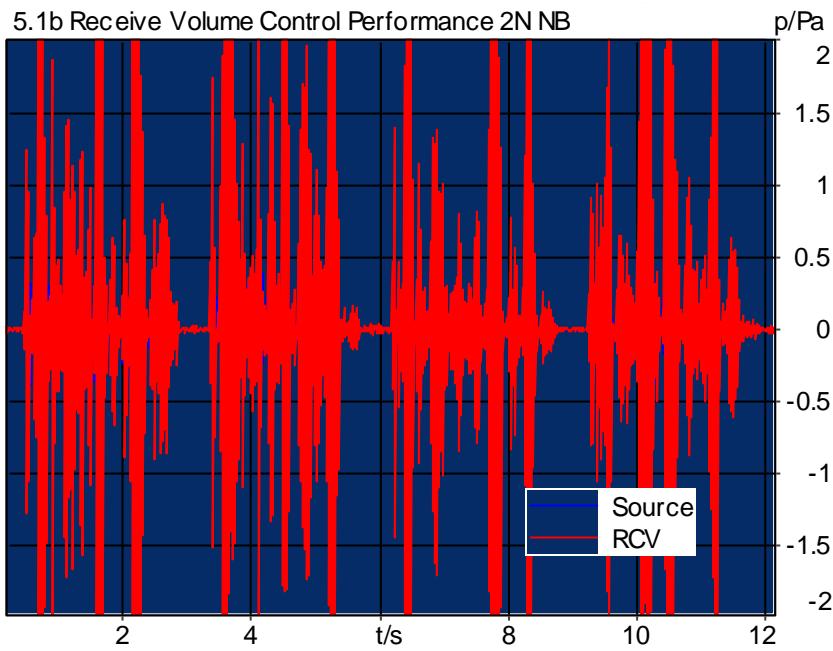
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Limits

| |
|---------------|
| lower |
| 76.00 dB[SPL] |

5.1b Receive Volume Control Performance 2N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 85.70 dB[SPL] | 81.29% | Ok |

Ok

2024-10-28 下午 08:11 ACQUA 6.1.100

Limits

| |
|---------------|
| lower |
| 76.00 dB[SPL] |