



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>



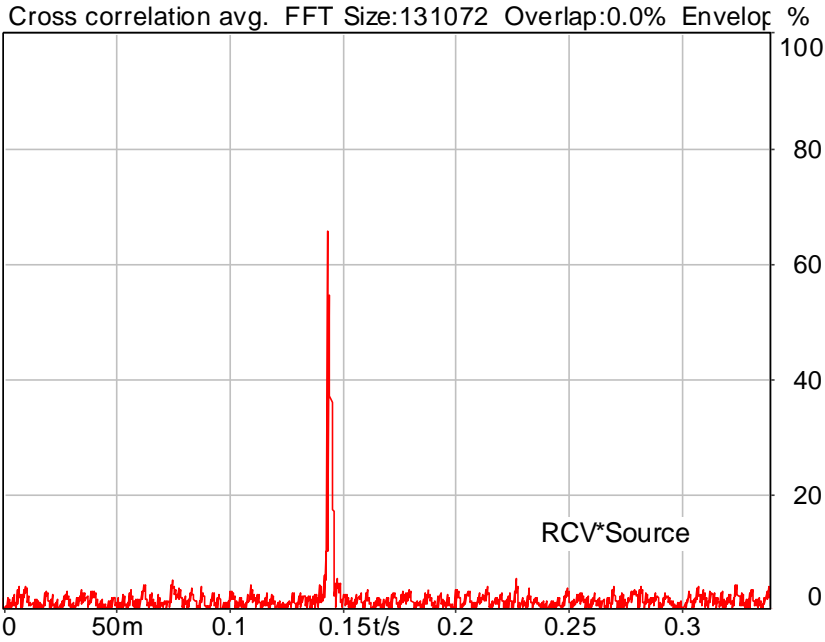
#1 LTE B30 EVS WB 24.4kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|---|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 144.1 |
| 5.1a Receive Volume Control Performance 8N WB limit | Ok | Speech Level [dB[SPL]] | 88.68 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 87.41 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 29.17 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.82 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.86 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.20 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 39.30 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.05 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.82 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.40 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.40 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.74 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.84 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 38.40 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.80 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.34 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 29.57 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.62 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.85 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.09 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 37.69 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.68 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.65 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.15 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.08 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.73 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 37.16 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 39.56 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.82 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.92 |
| 5.3 Frequency Response 8N FF | Ok | Min. dist. to tolerance scheme [dB], 544.4 Hz | 0.57 |
| 5.3 Frequency Response 2N FF | Ok | Min. dist. to tolerance scheme [dB], 544.4 Hz | 0.66 |



Overall Receive Delay WB

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



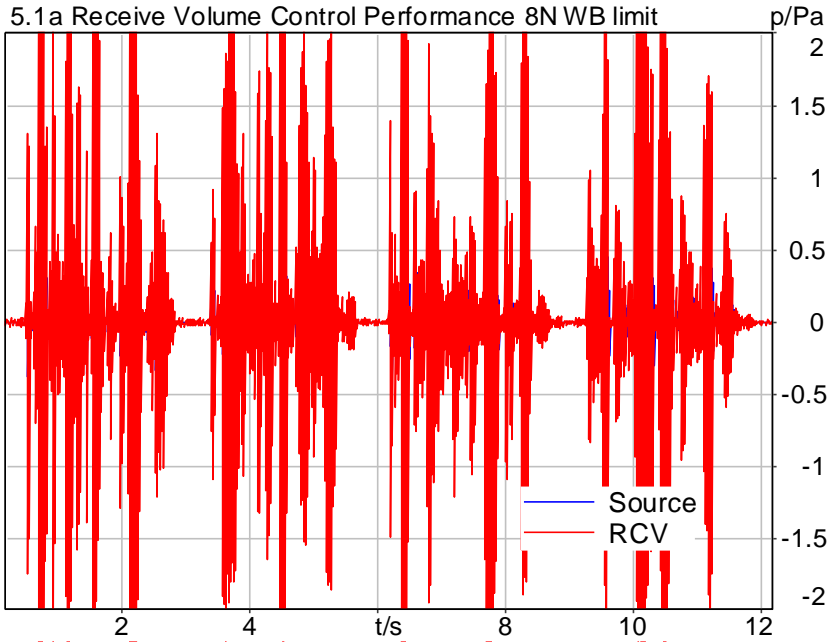
| Channel | Delay |
|------------|----------|
| RCV*Source | 144.1 ms |

2024/4/25 下午 10:04 ACQUA 6.0.200



5.1a Receive Volume Control Performance 8N WB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 88.68 dB[SPL] | 47.73% | Ok |

Ok

2024/4/25 下午 10:04 ACQUA 6.0.200

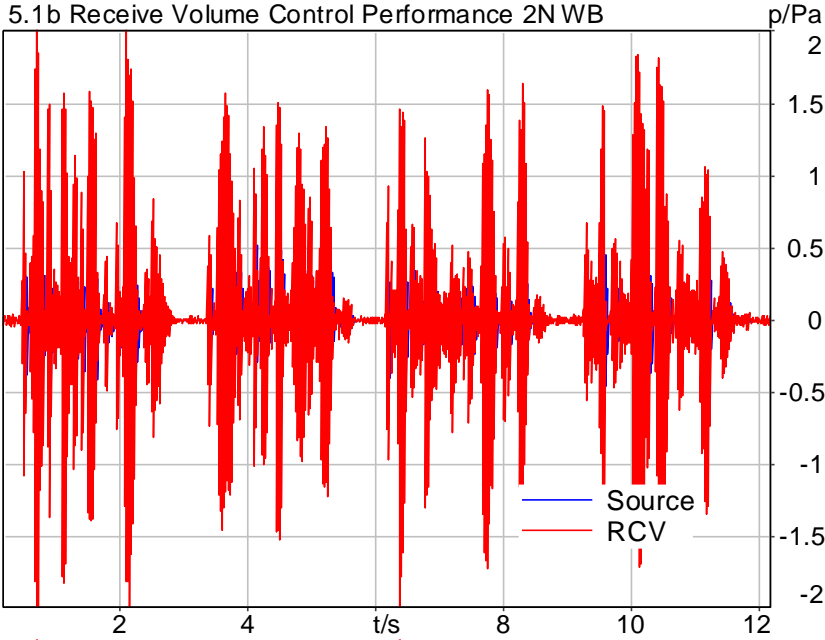
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 87.41 dB[SPL] | 27.98% | Ok |

Ok

2024/4/25 下午 10:27 ACQUA 6.0.200

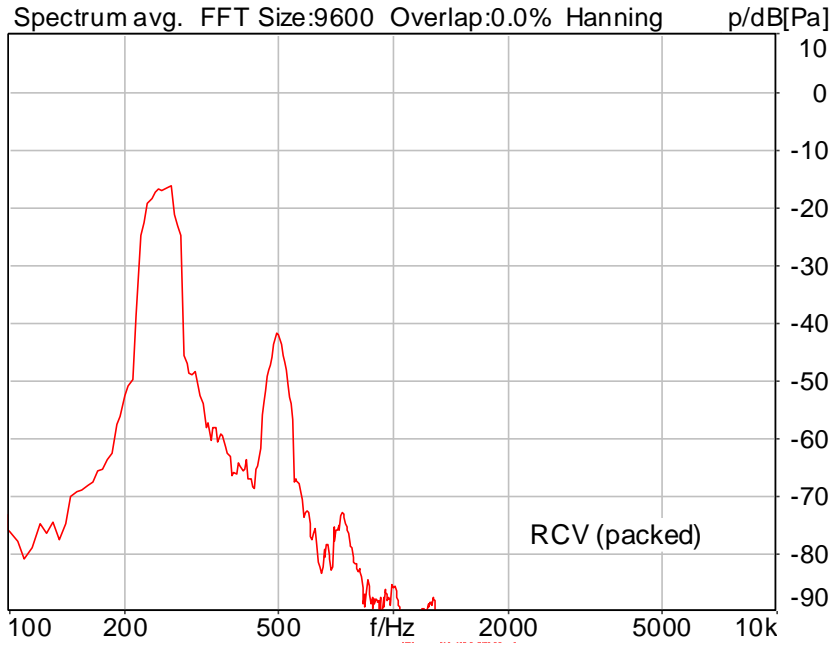
Limits

| | |
|-------|---------------|
| | lower |
| Run 1 | 76.00 dB20uPa |



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): 29.17 dB (3.48%) Ok

Ok

2024/4/25 下午 10:33 ACQUA 6.0.200

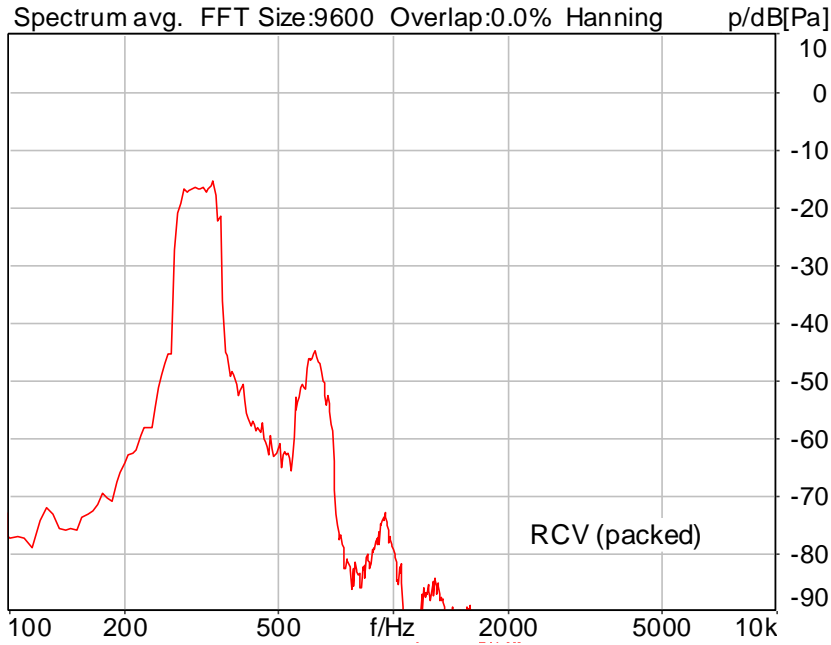
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.82 dB (2.88%) Ok

Ok

2024/4/25 下午 10:34 ACQUA 6.0.200

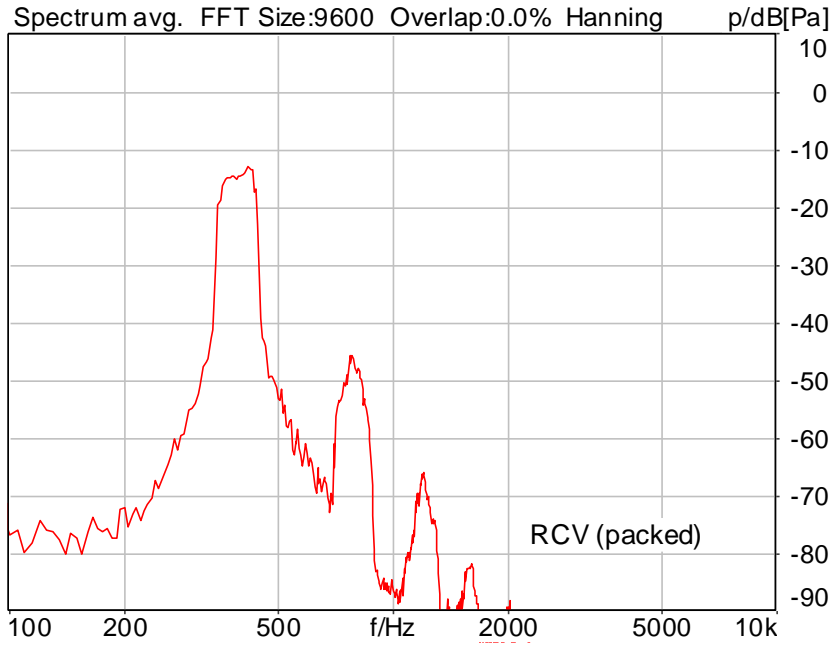
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.86 dB (2.28%) Ok

Ok

2024/4/25 下午 10:06 ACQUA 6.0.200

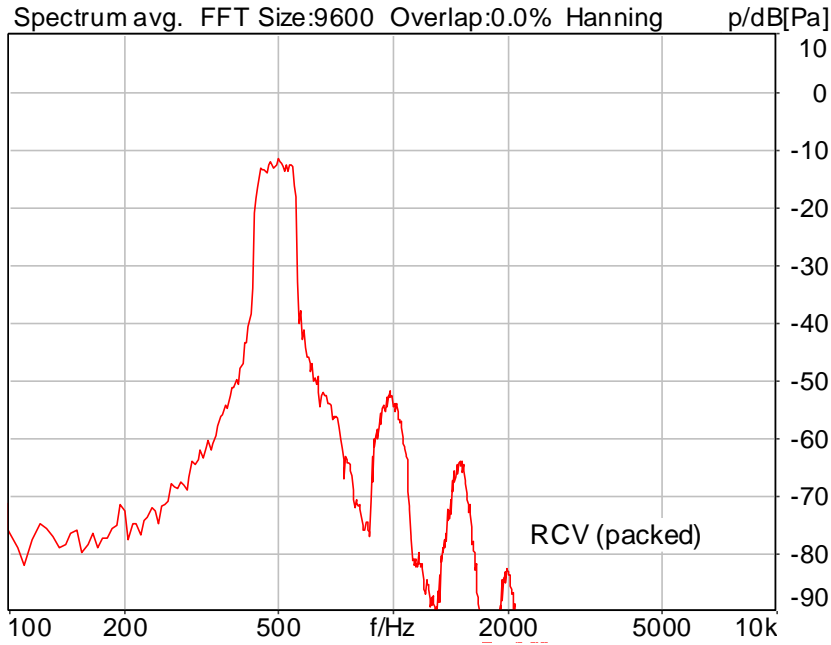
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.20 dB (1.55%) Ok

Ok

2024/4/25 下午 10:06 ACQUA 6.0.200

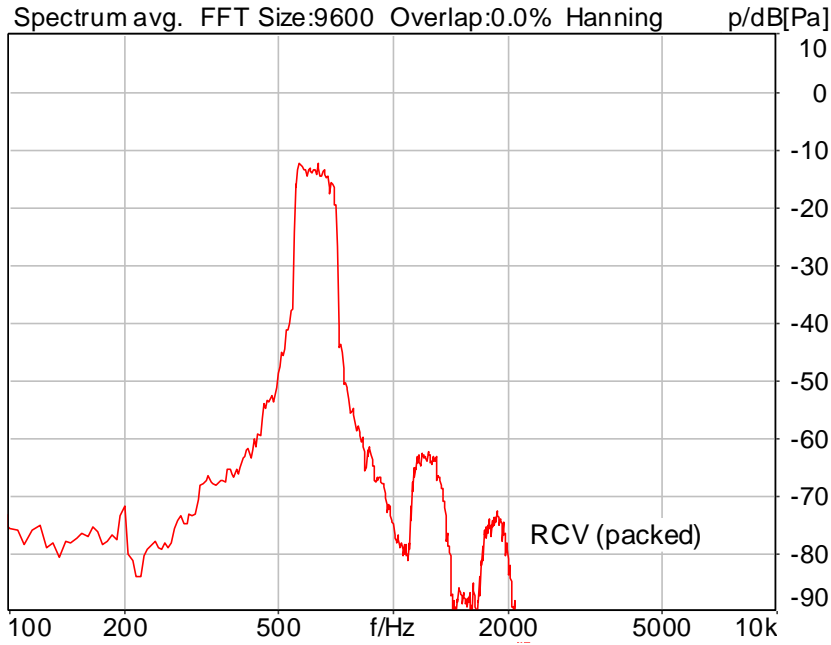
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 39.30 dB (1.08%) Ok

Ok

2024/4/25 下午 10:07 ACQUA 6.0.200

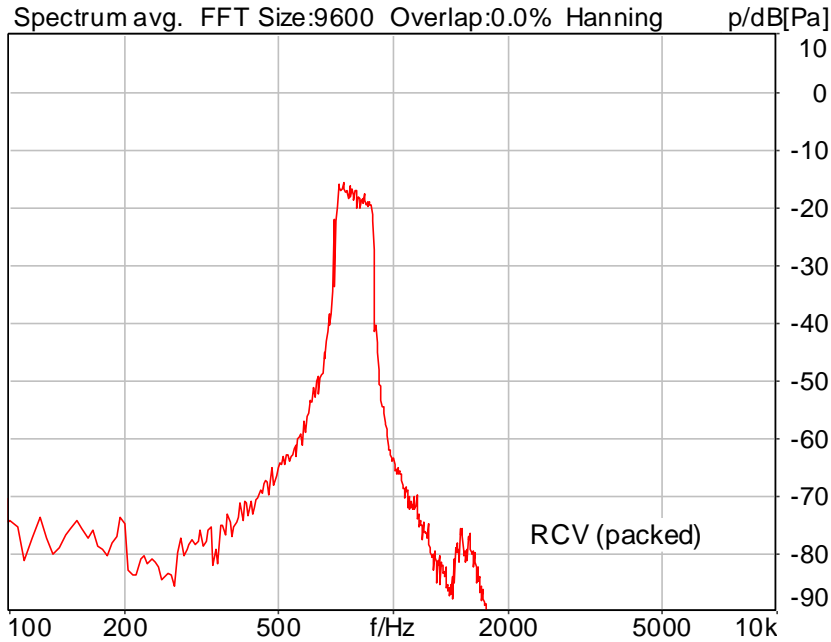
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.05 dB (1.58%) Ok

Ok

2024/4/25 下午 10:07 ACQUA 6.0.200

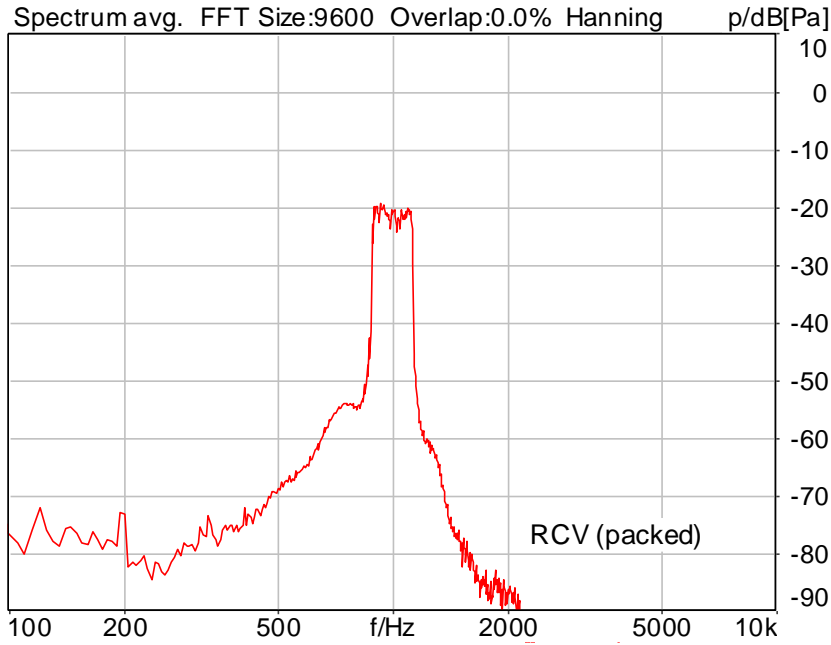
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 33.82 dB (2.04%) Ok

Ok

2024/4/25 下午 10:08 ACQUA 6.0.200

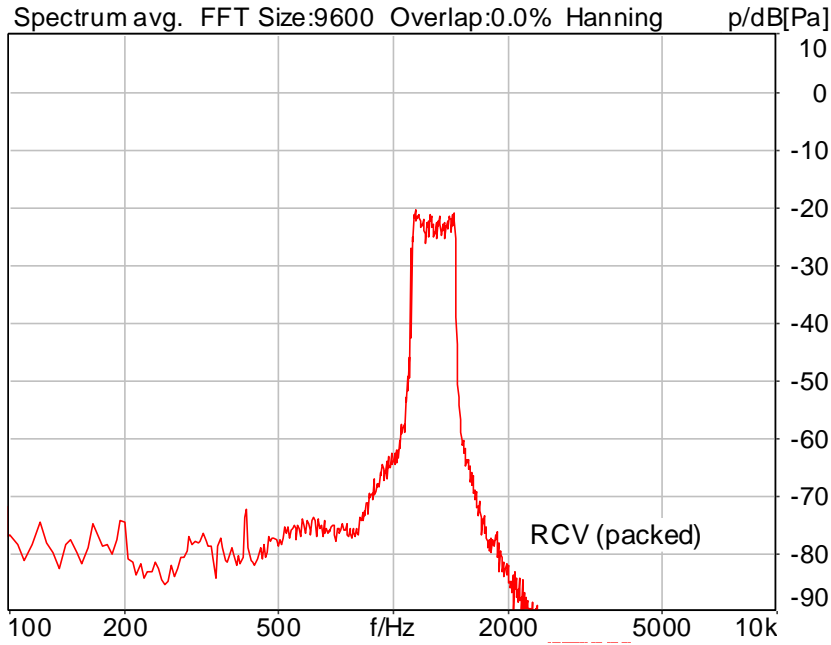
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.40 dB (3.02%) Ok

Ok

2024/4/25 下午 10:36 ACQUA 6.0.200

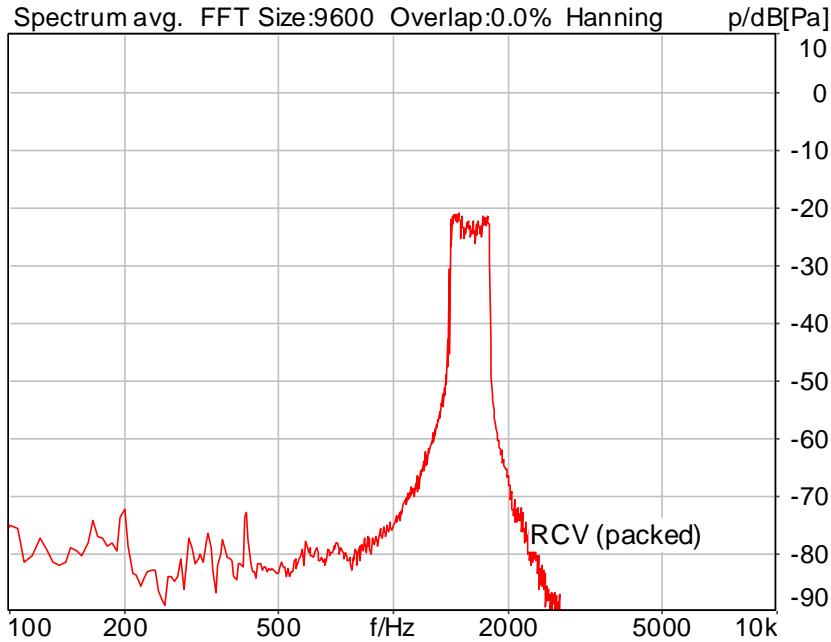
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.40 dB (1.90%) Ok

Ok

2024/4/25 下午 10:09 ACQUA 6.0.200

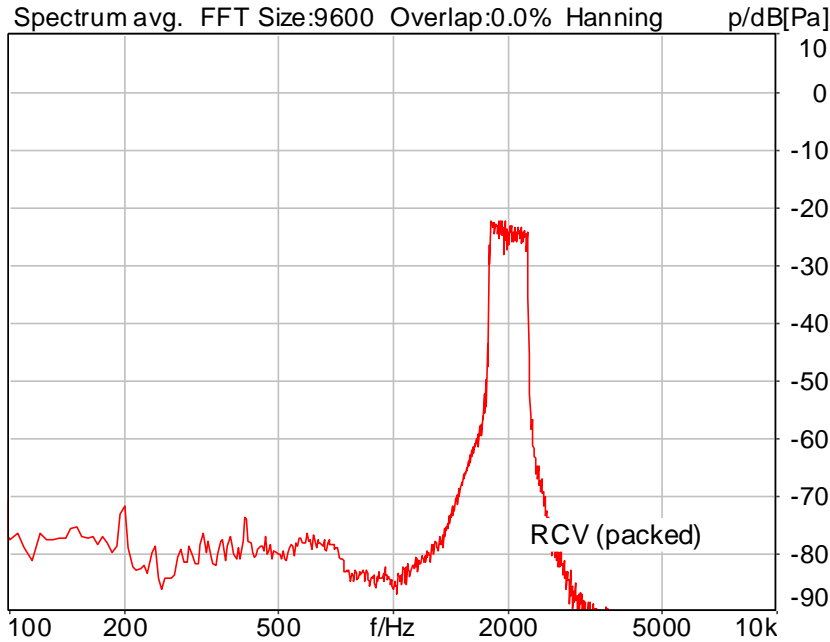
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.74 dB (1.63%) Ok

Ok

2024/4/25 下午 10:09 ACQUA 6.0.200

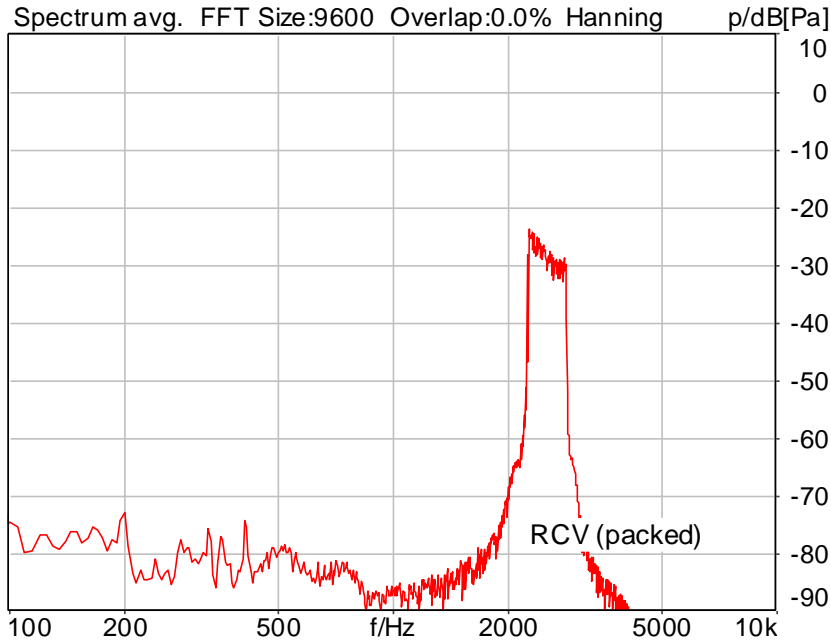
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.84 dB (1.62%) Ok

Ok

2024/4/25 下午 10:10 ACQUA 6.0.200

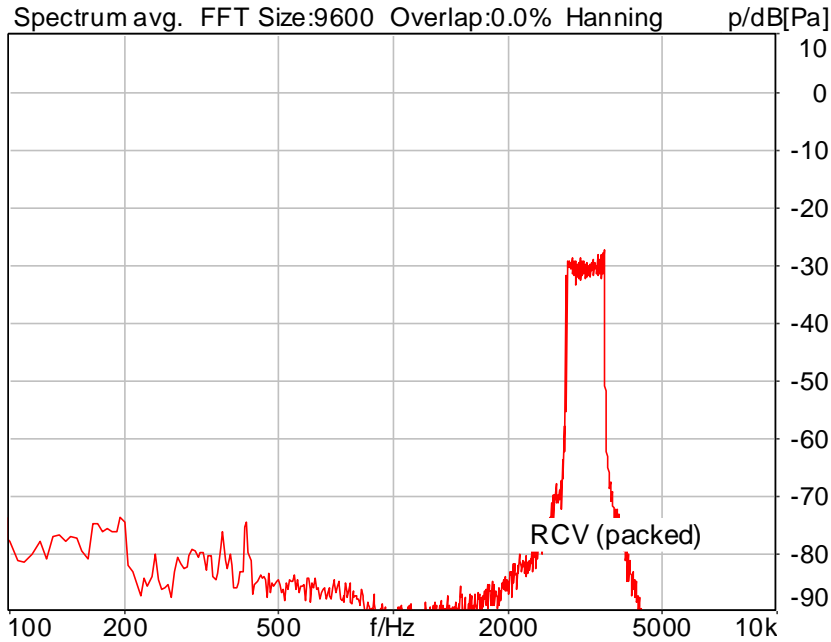
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 38.40 dB (1.20%) Ok

Ok

2024/4/25 下午 10:10 ACQUA 6.0.200

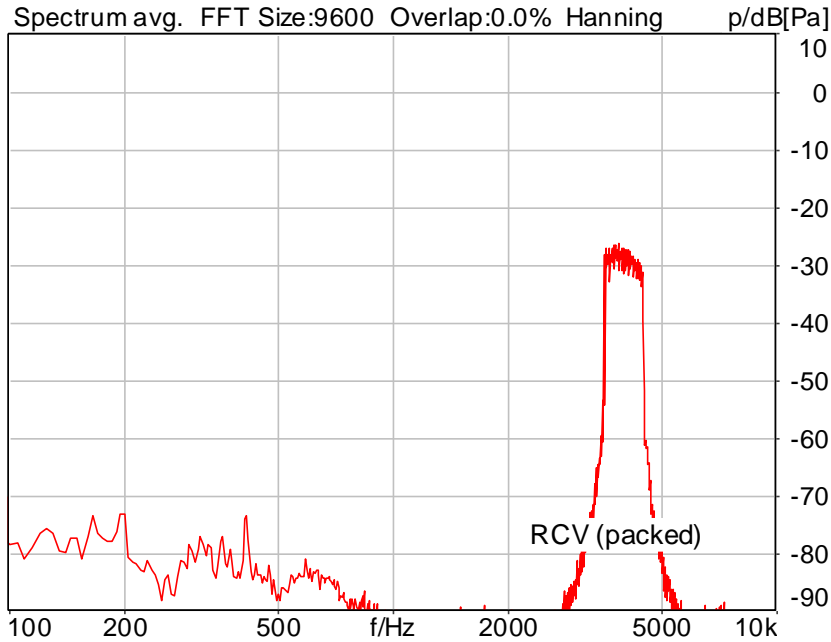
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.80 dB (1.44%) Ok

Ok

2024/4/25 下午 10:11 ACQUA 6.0.200

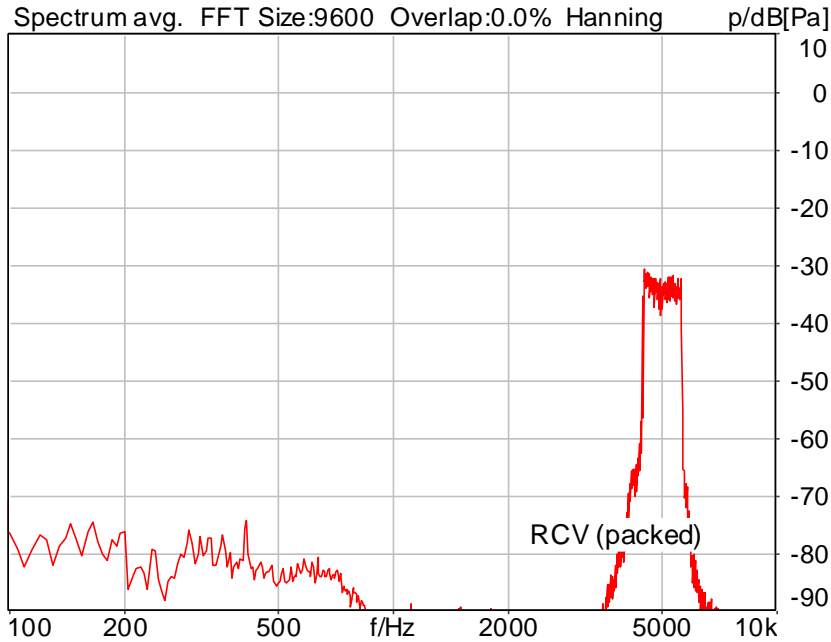
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.34 dB (1.92%) Ok

Ok

2024/4/25 下午 10:11 ACQUA 6.0.200

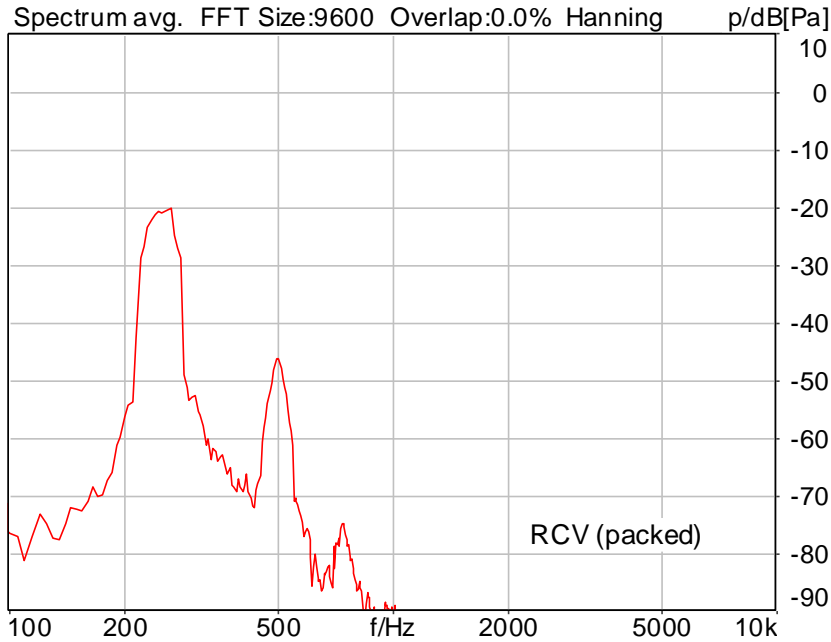
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 29.57 dB (3.32%) Ok

Ok

2024/4/25 下午 10:29 ACQUA 6.0.200

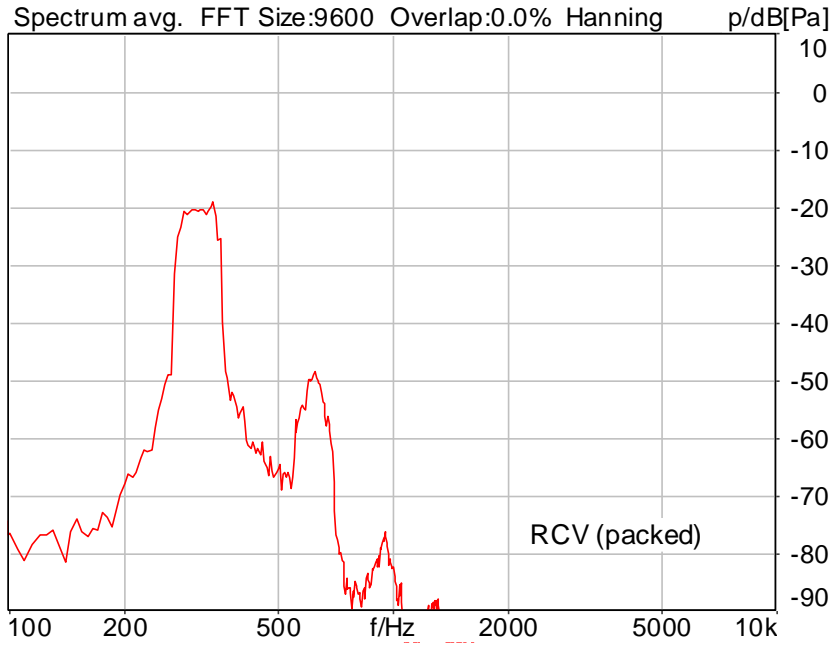
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.62 dB (2.94%) Ok

Ok

2024/4/25 下午 10:30 ACQUA 6.0.200

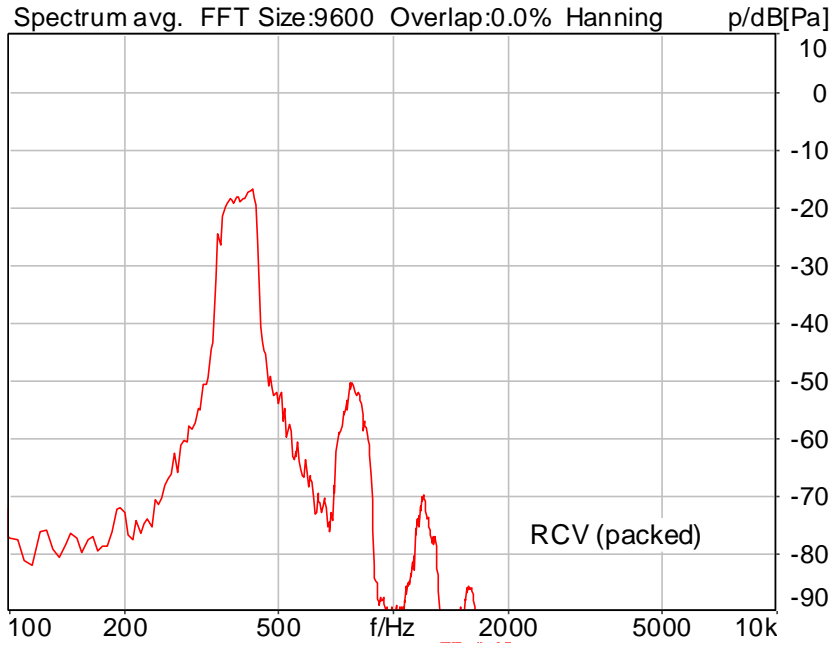
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.85 dB (2.28%) Ok

Ok

2024/4/25 下午 10:15 ACQUA 6.0.200

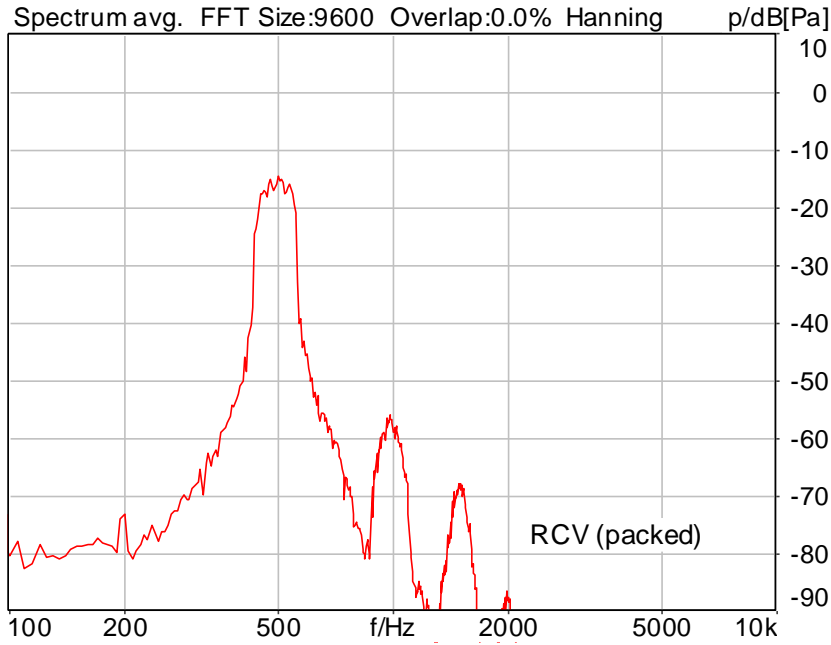
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.09 dB (1.57%) Ok

Ok

2024/4/25 下午 10:16 ACQUA 6.0.200

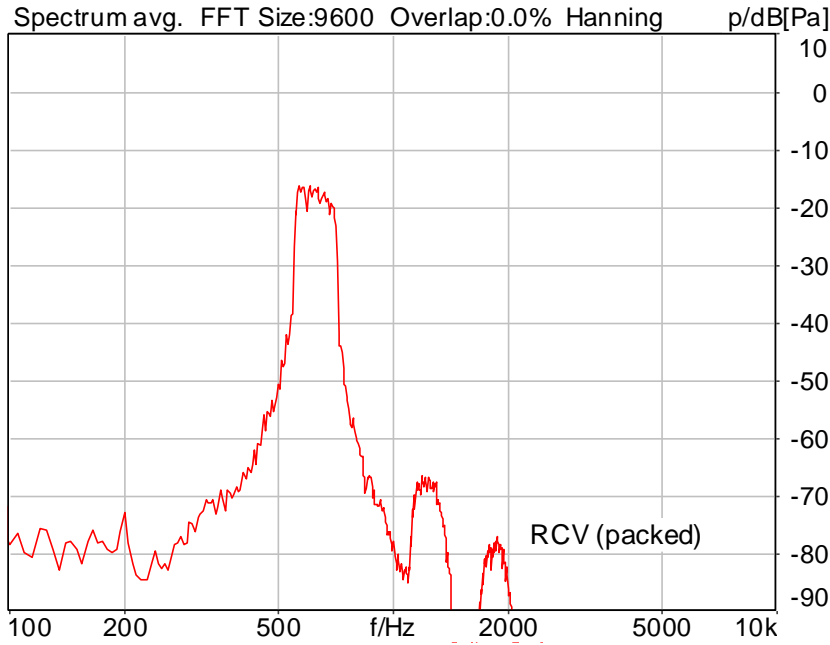
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 37.69 dB (1.31%) Ok

Ok

2024/4/25 下午 10:16 ACQUA 6.0.200

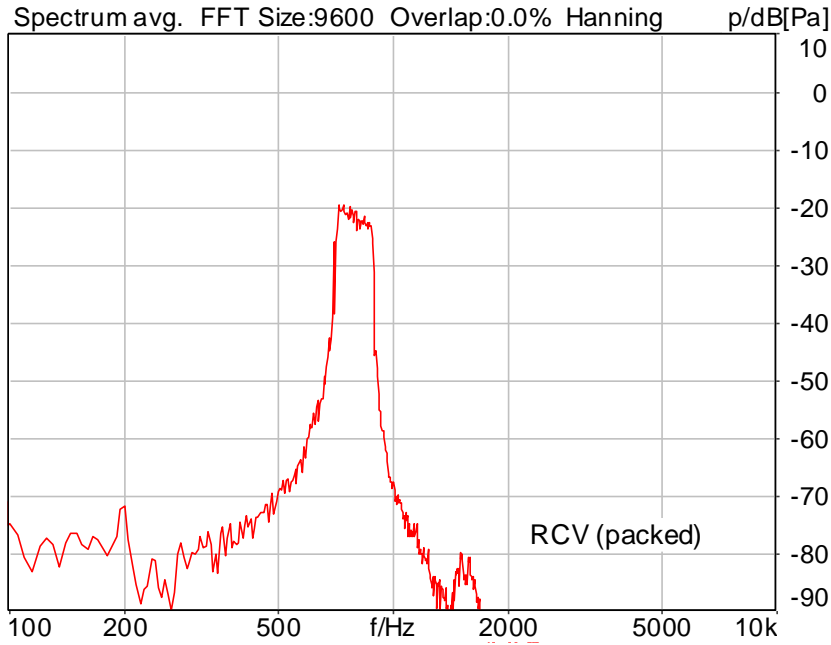
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.68 dB (1.46%) Ok

Ok

2024/4/25 下午 10:17 ACQUA 6.0.200

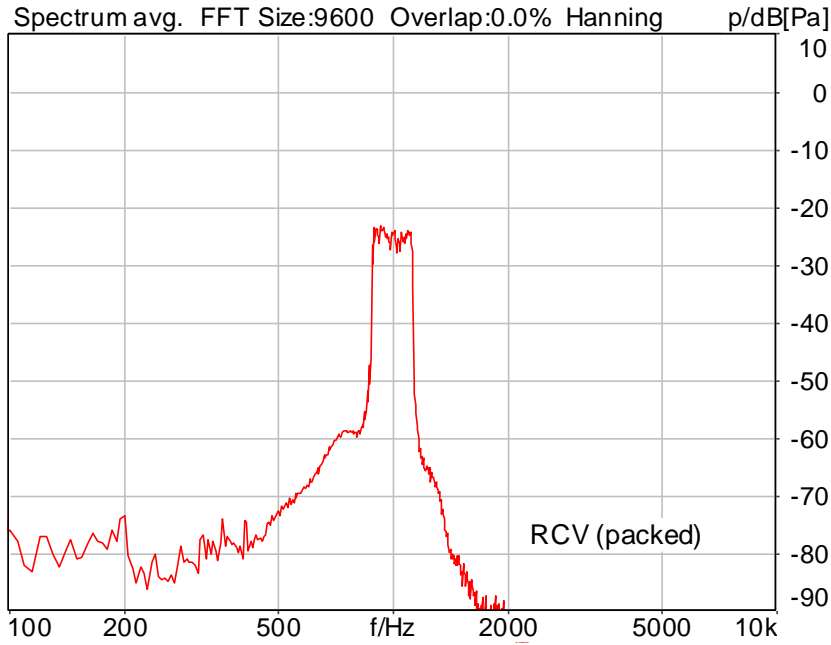
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.65 dB (1.85%) Ok

Ok

2024/4/25 下午 10:17 ACQUA 6.0.200

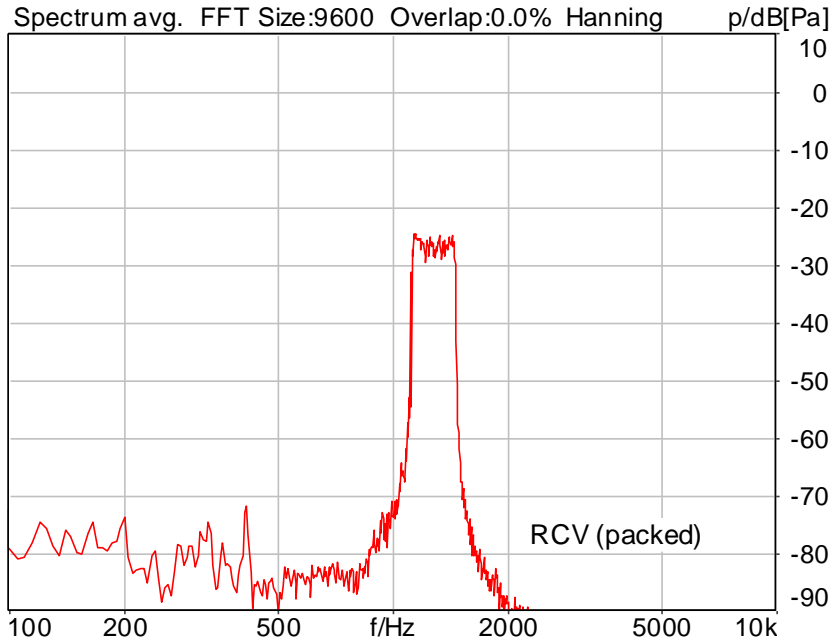
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.15 dB (2.47%) Ok

Ok

2024/4/25 下午 10:30 ACQUA 6.0.200

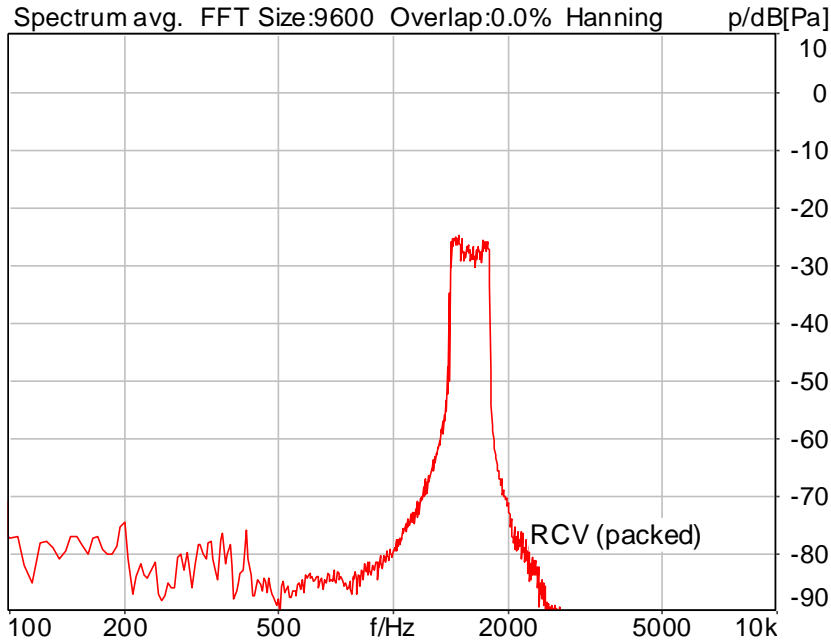
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.08 dB (1.76%) Ok

Ok

2024/4/25 下午 10:18 ACQUA 6.0.200

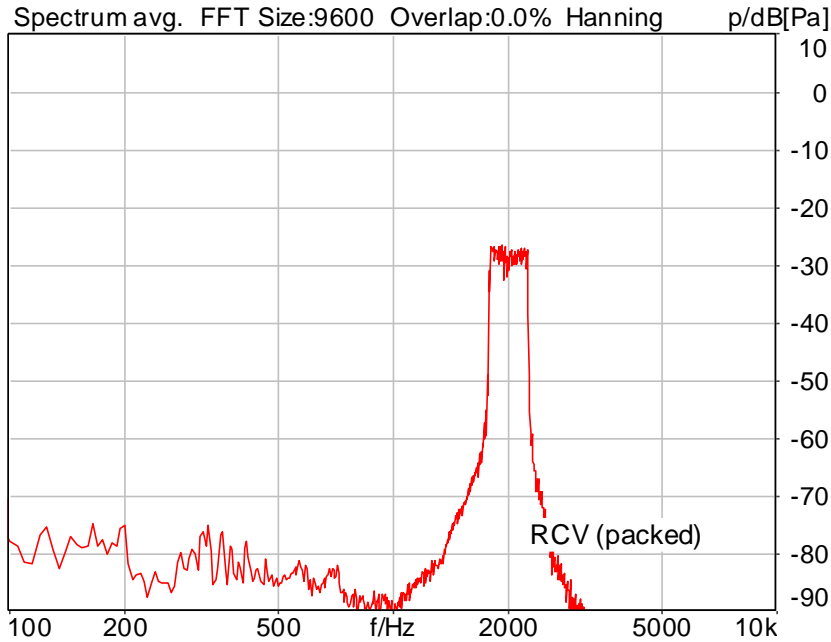
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.73 dB (1.63%) Ok

Ok

2024/4/25 下午 10:19 ACQUA 6.0.200

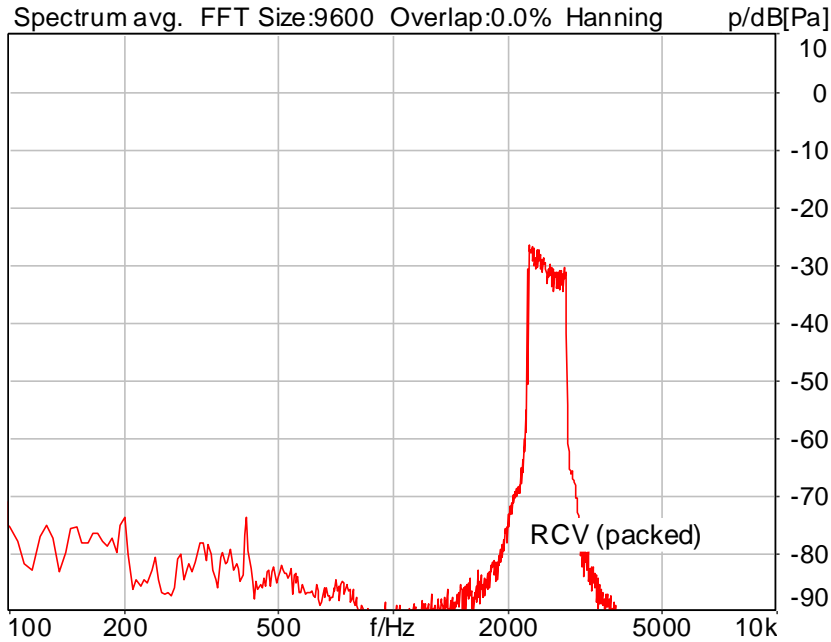
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 37.16 dB (1.39%) Ok

Ok

2024/4/25 下午 10:19 ACQUA 6.0.200

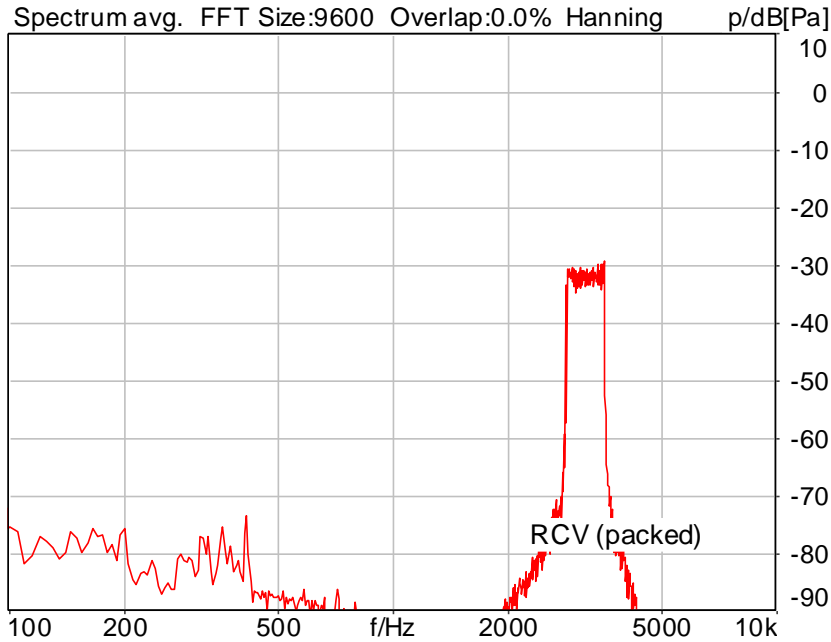
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 39.56 dB (1.05%) Ok

Ok

2024/4/25 下午 10:20 ACQUA 6.0.200

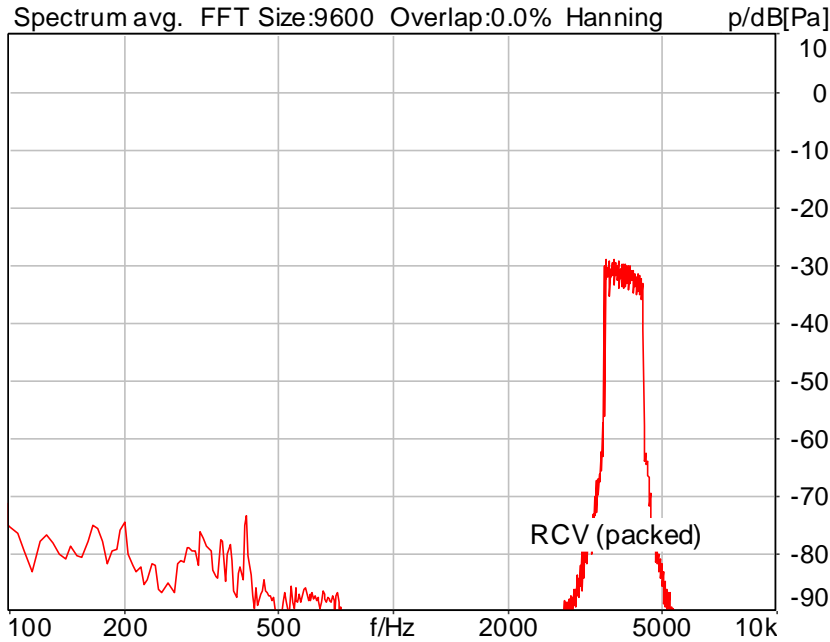
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.82 dB (1.44%) Ok

Ok

2024/4/25 下午 10:20 ACQUA 6.0.200

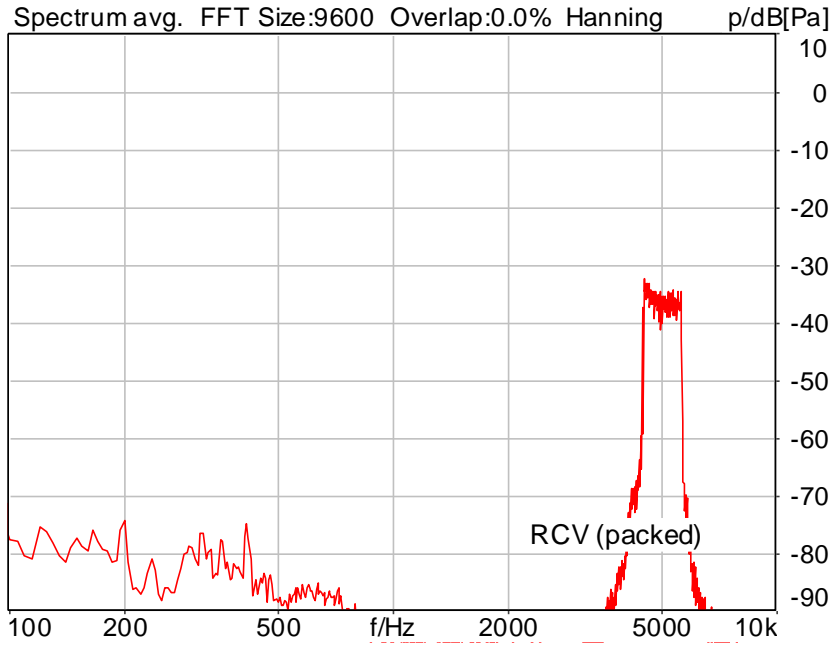
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.92 dB (1.79%) Ok

Ok

2024/4/25 下午 10:21 ACQUA 6.0.200

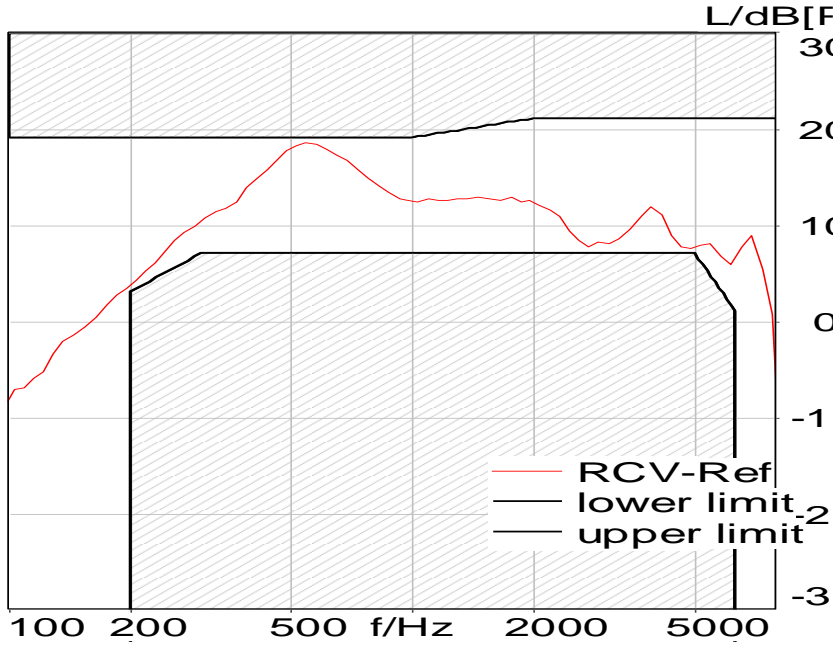
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 20.00 dB |



5.3 Frequency Response 8N FF

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



Absolute minimal distance

0.57 dB at 544.4 Hz Ok

Ok

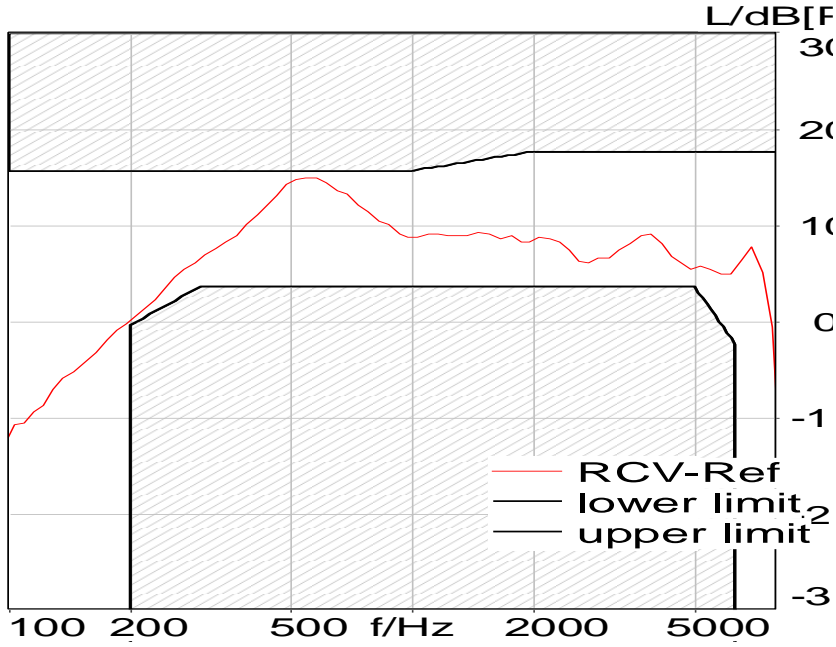
2024/4/25 下午 10:35 ACQUA 6.0.200

Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |

5.3 Frequency Response 2N FF

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



Absolute minimal distance

0.66 dB at 544.4 Hz Ok

Ok

2024/4/25 下午 10:30 ACQUA 6.0.200

Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |



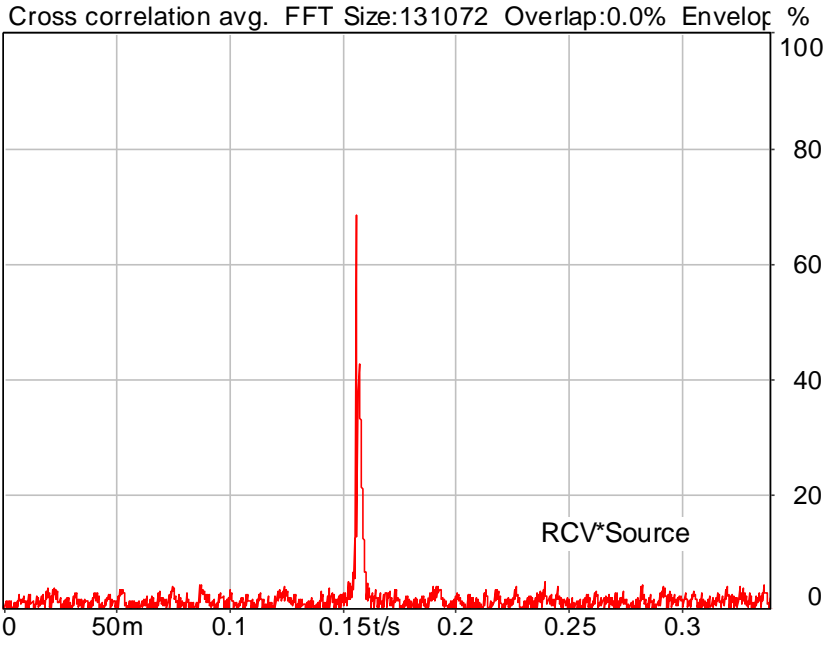
#2 FR1 n26 EVS WB 24.4kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|---|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 156.7 |
| 5.1a Receive Volume Control Performance 8N WB limit | Ok | Speech Level [dB[SPL]] | 92.11 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 91.58 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.56 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 25.18 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.19 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.34 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.68 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.84 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.55 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 28.85 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 37.05 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 38.86 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.09 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.40 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.48 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.35 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 21.96 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 24.57 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.74 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.96 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 33.96 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 36.19 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.77 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.03 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 38.57 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 37.67 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 39.10 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.75 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 39.81 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 37.81 |
| 5.3 Frequency Response 8N FF | Ok | Min. dist. to tolerance scheme [dB], 436.9 Hz | 1.53 |
| 5.3 Frequency Response 2N FF | Ok | Min. dist. to tolerance scheme [dB], 487.0 Hz | 1.38 |



Overall Receive Delay WB

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



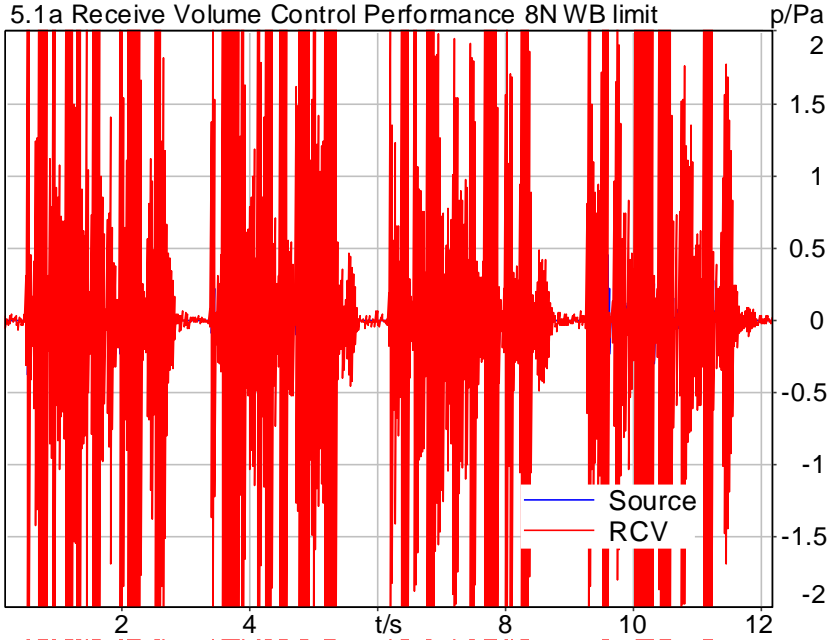
| Channel | Delay |
|------------|----------|
| RCV*Source | 156.7 ms |

2024/5/30 上午 05:18 ACQUA 6.0.200



5.1a Receive Volume Control Performance 8N WB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 92.11 dB[SPL] | 81.01% | Ok |

Ok

2024/5/30 上午 05:19 ACQUA 6.0.200

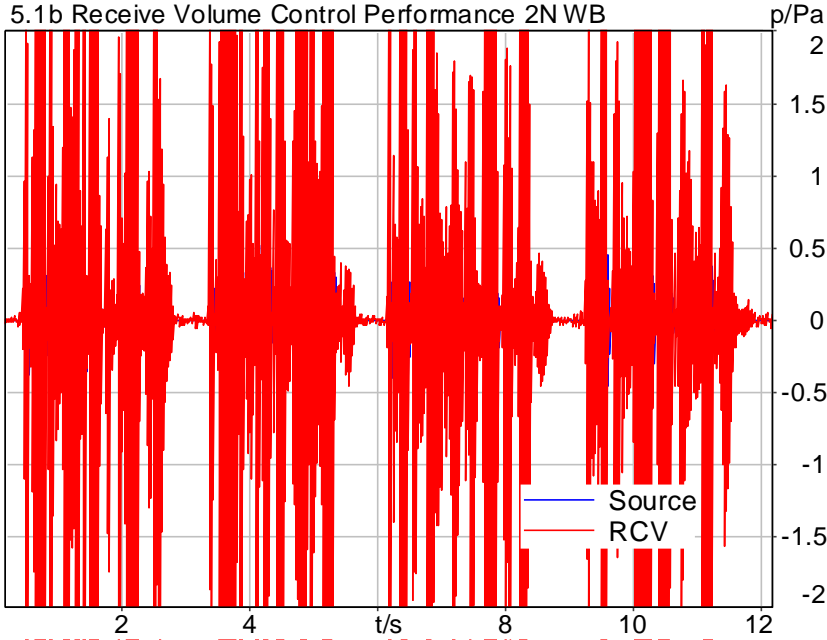
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 91.58 dB[SPL] | 80.99% | Ok |

Ok

2024/5/30 上午 05:35 ACQUA 6.0.200

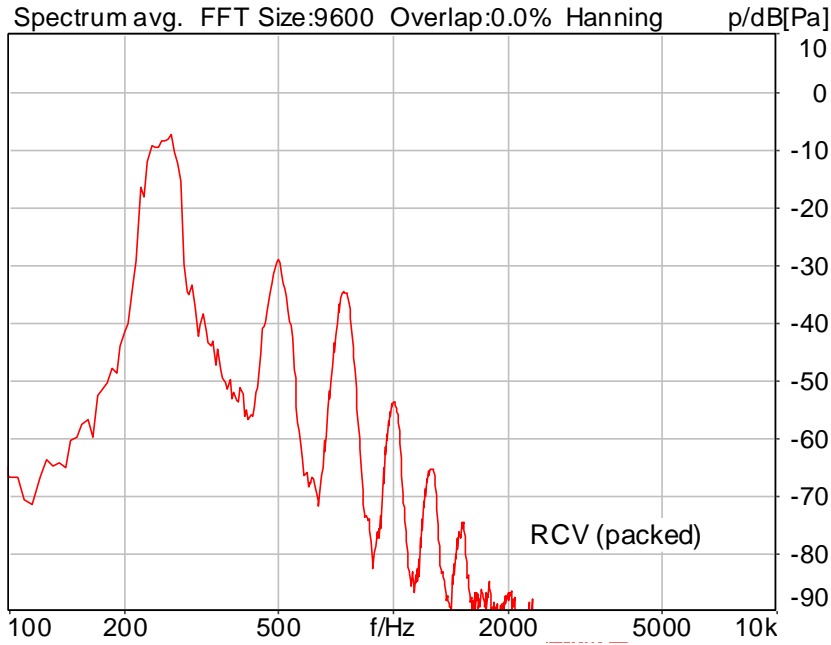
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



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): 22.56 dB (7.45%) Ok

Ok

2024/5/30 上午 05:43 ACQUA 6.0.200

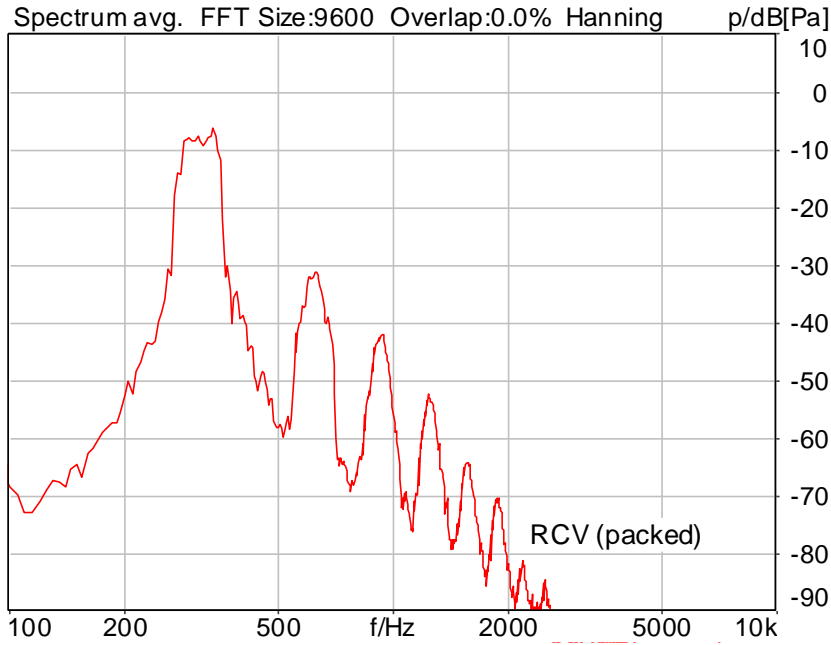
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 25.18 dB (5.51%) Ok

Ok

2024/5/30 上午 05:44 ACQUA 6.0.200

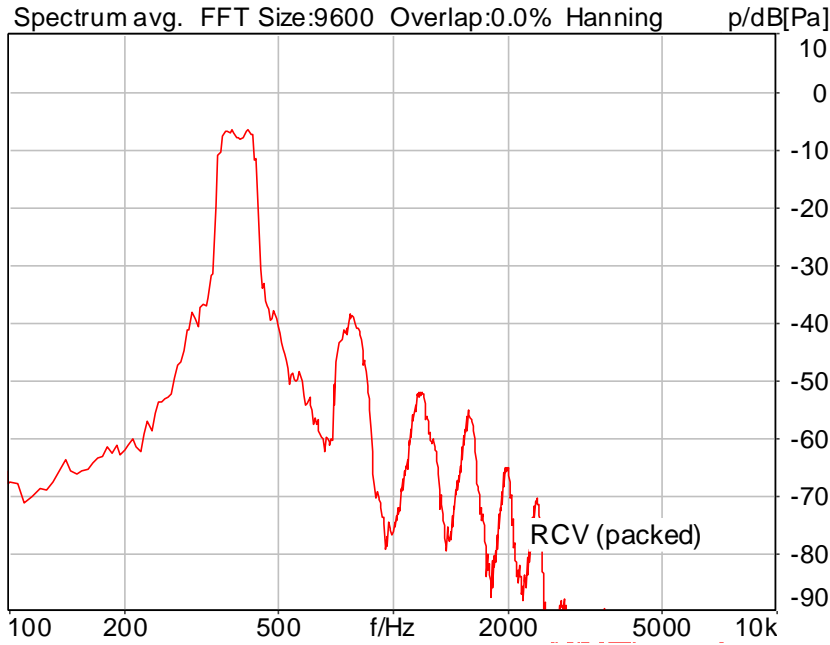
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 31.19 dB (2.76%) Ok

Ok

2024/5/30 上午 05:20 ACQUA 6.0.200

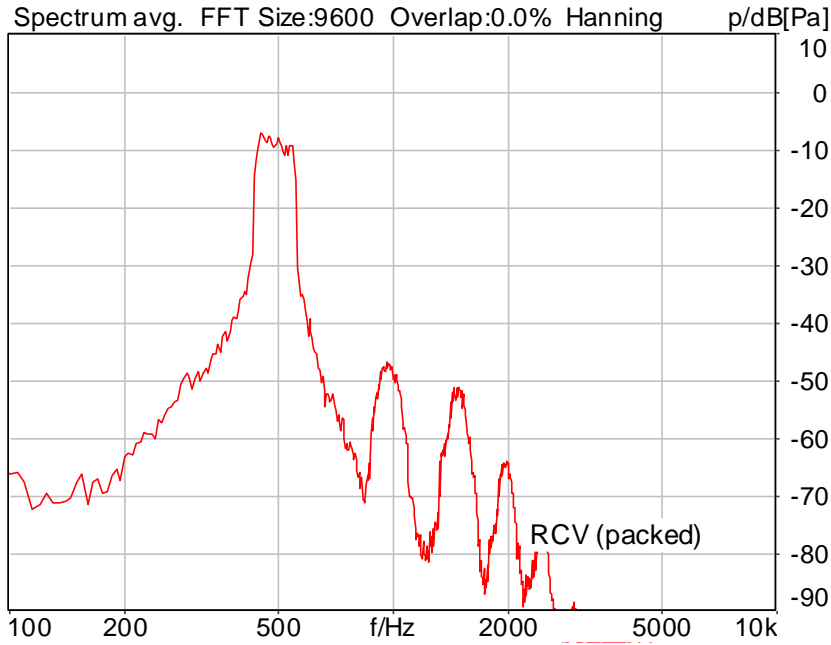
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 33.34 dB (2.15%) Ok

Ok

2024/5/30 上午 05:21 ACQUA 6.0.200

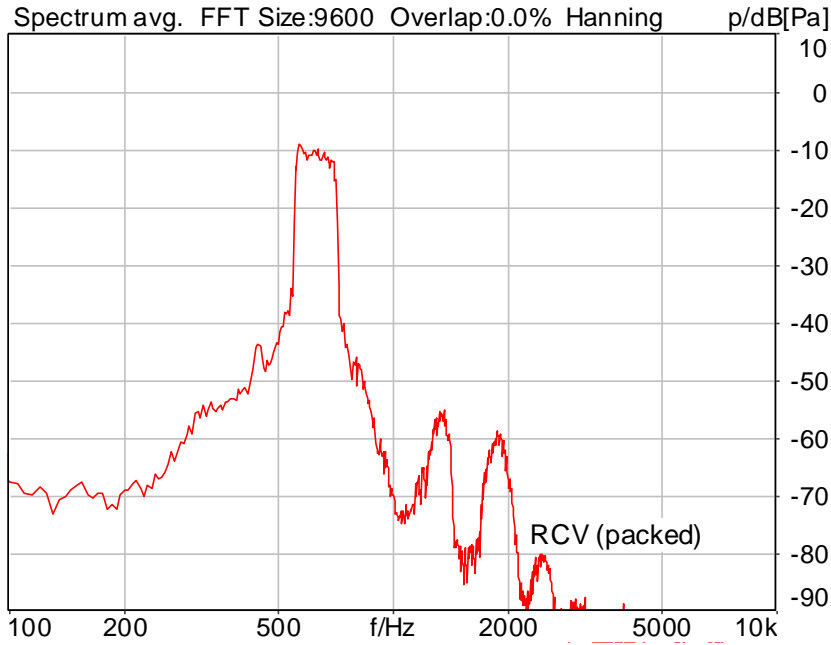
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.68 dB (1.84%) Ok

Ok

2024/5/30 上午 05:21 ACQUA 6.0.200

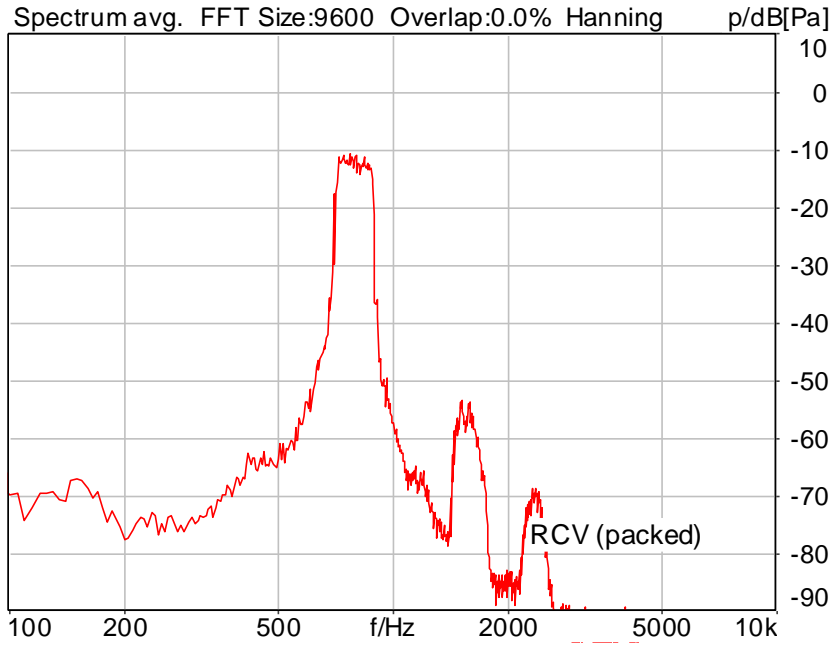
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.84 dB (1.44%) Ok

Ok

2024/5/30 上午 05:21 ACQUA 6.0.200

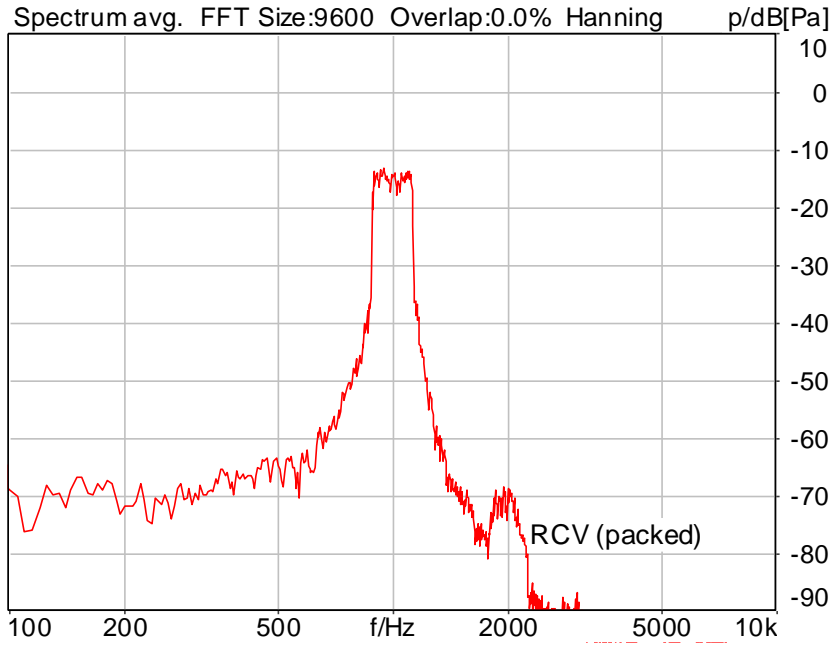
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 31.55 dB (2.64%) Ok

Ok

2024/5/30 上午 05:22 ACQUA 6.0.200

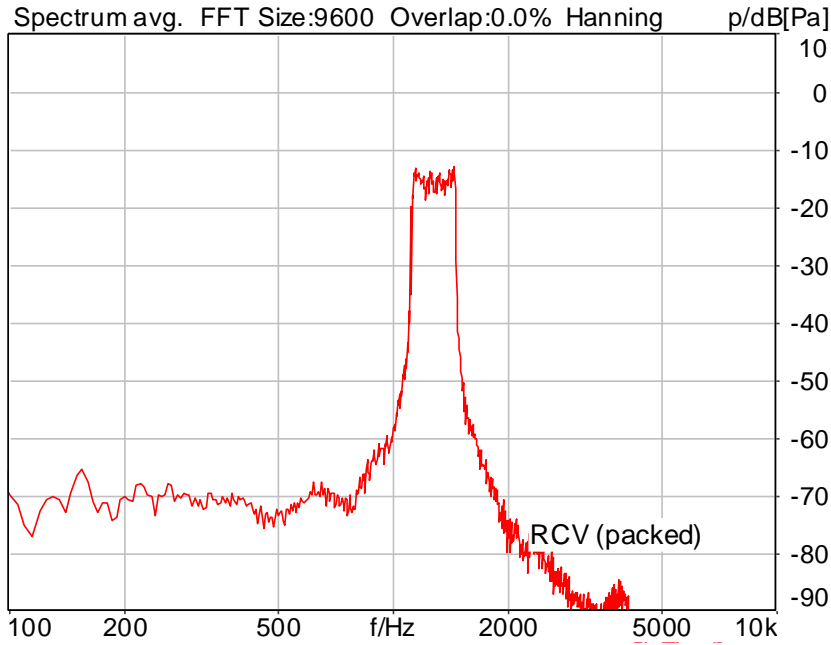
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 28.85 dB (3.61%) Ok

Ok

2024/5/30 上午 05:46 ACQUA 6.0.200

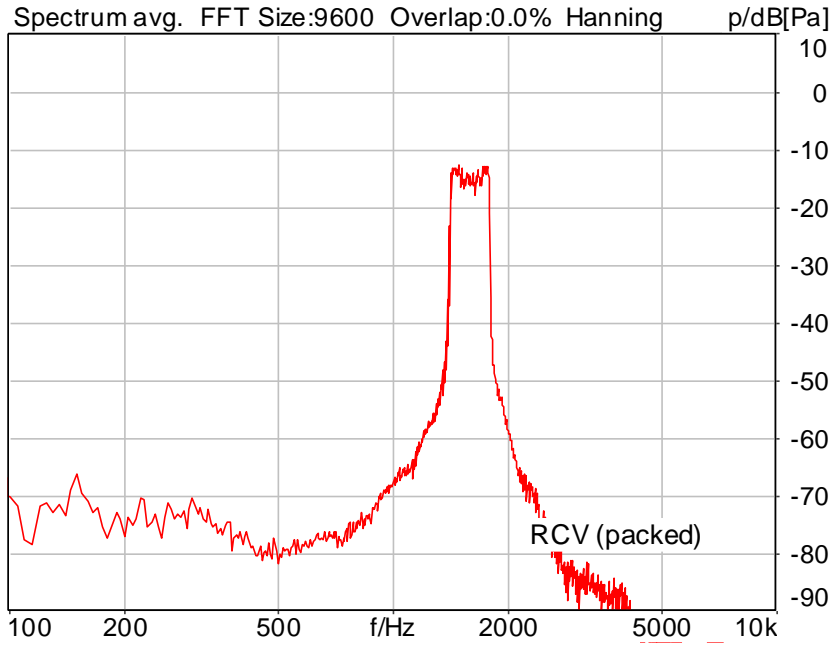
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 37.05 dB (1.40%) Ok

Ok

2024/5/30 上午 05:45 ACQUA 6.0.200

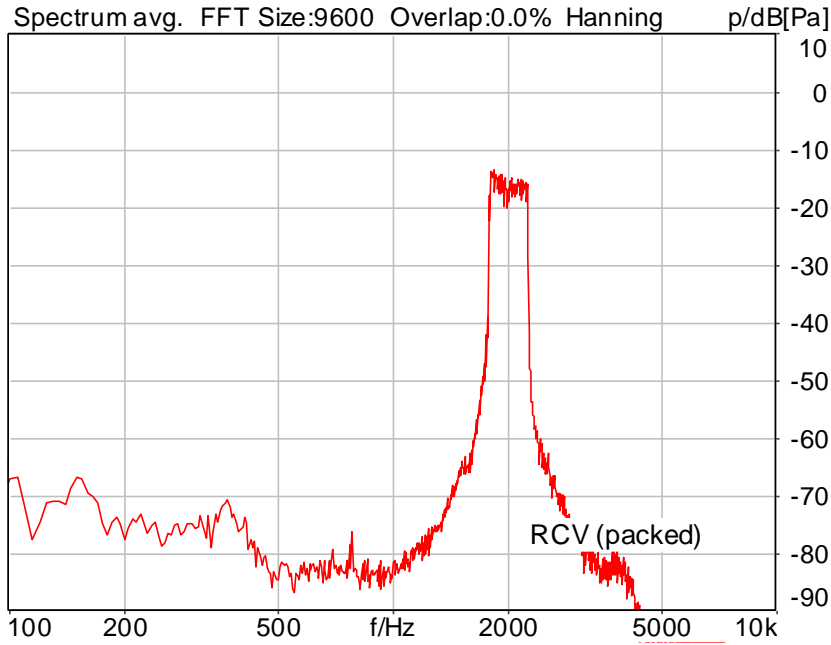
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 38.86 dB (1.14%) Ok

Ok

2024/5/30 上午 05:50 ACQUA 6.0.200

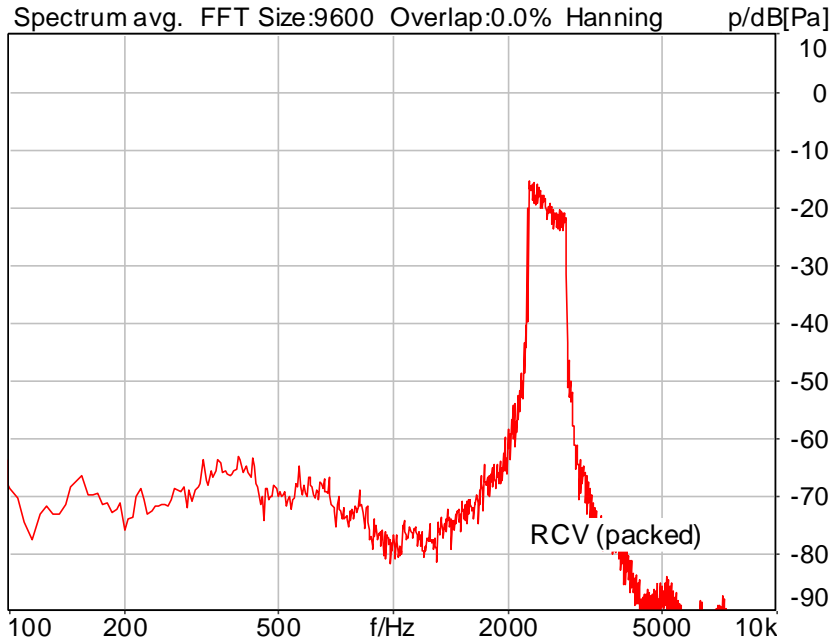
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.09 dB (1.97%) Ok

Ok

2024/5/30 上午 05:24 ACQUA 6.0.200

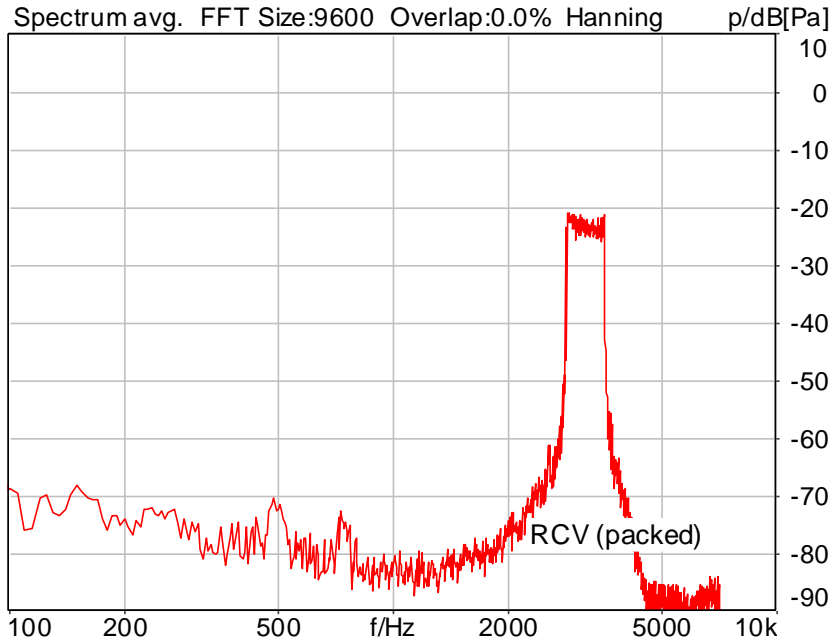
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.40 dB (1.51%) Ok

Ok

2024/5/30 上午 05:24 ACQUA 6.0.200

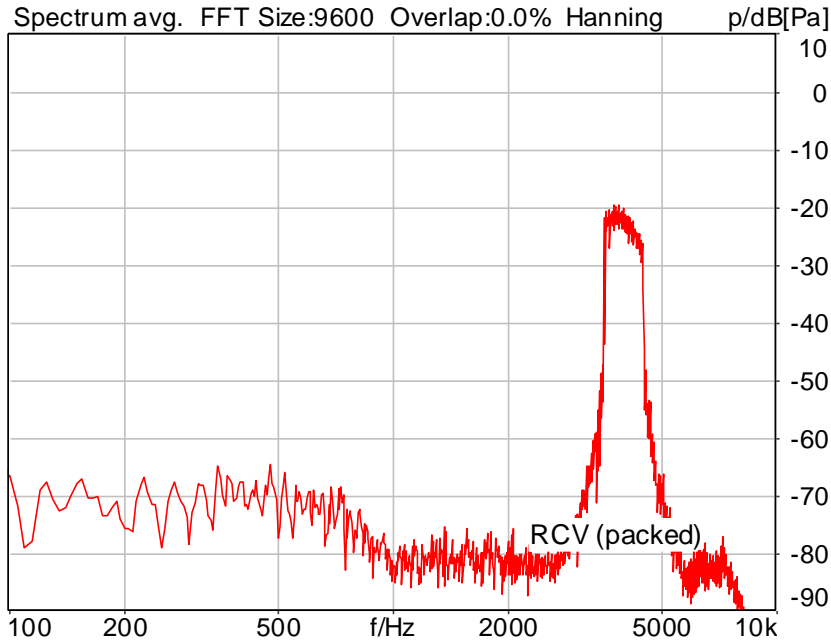
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 33.48 dB (2.12%) Ok

Ok

2024/5/30 上午 05:25 ACQUA 6.0.200

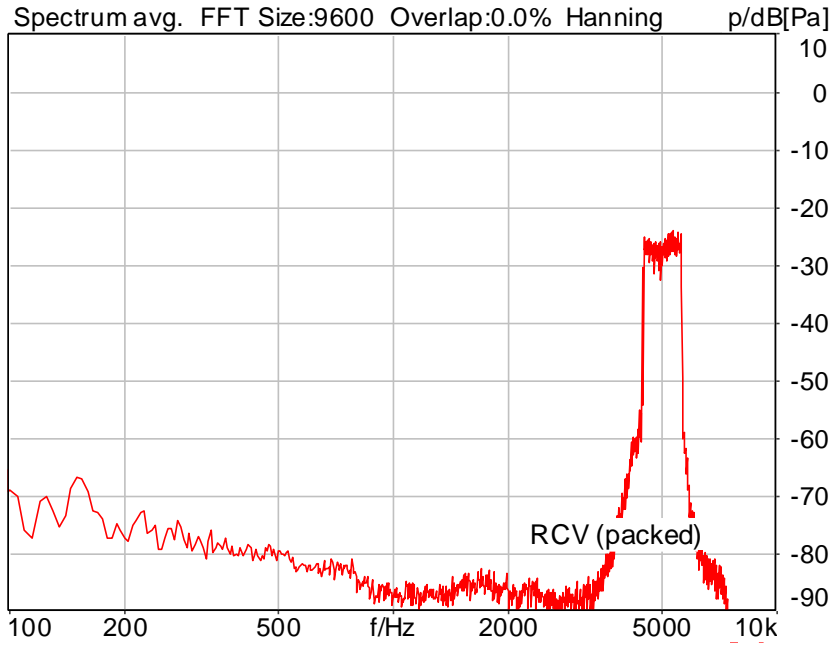
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.35 dB (1.52%) Ok

Ok

2024/5/30 上午 05:25 ACQUA 6.0.200

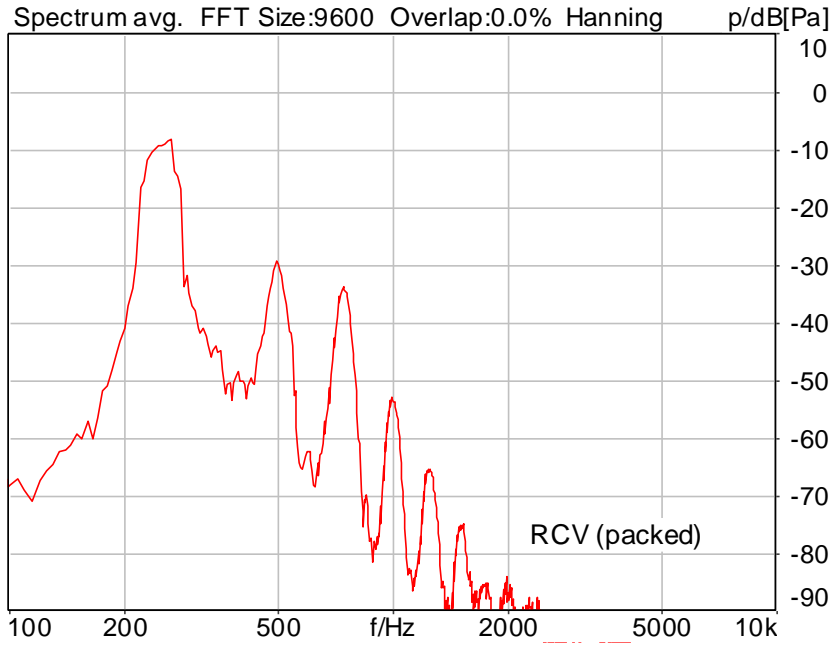
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 21.96 dB (7.98%) Ok

Ok

2024/5/30 上午 05:37 ACQUA 6.0.200

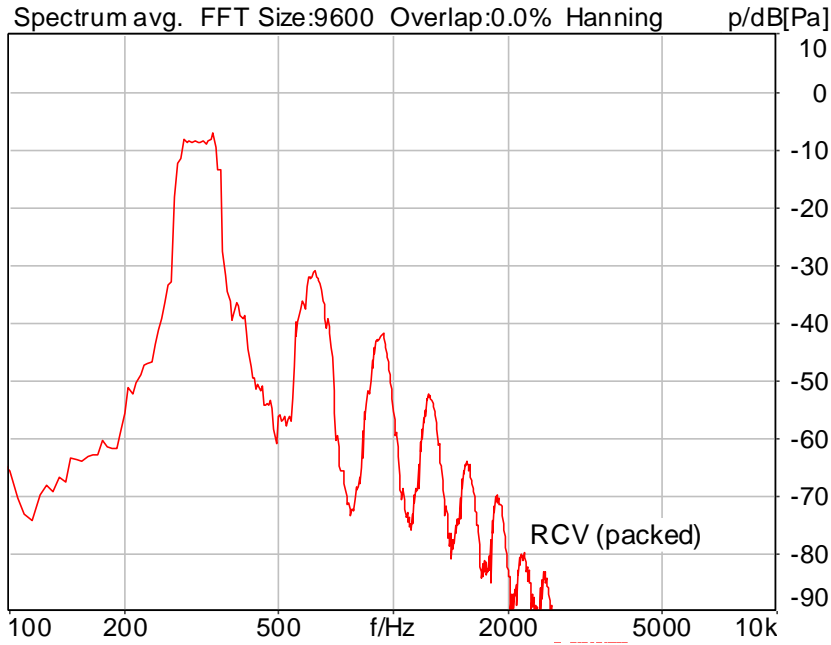
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 24.57 dB (5.91%) Ok

Ok

2024/5/30 上午 05:37 ACQUA 6.0.200

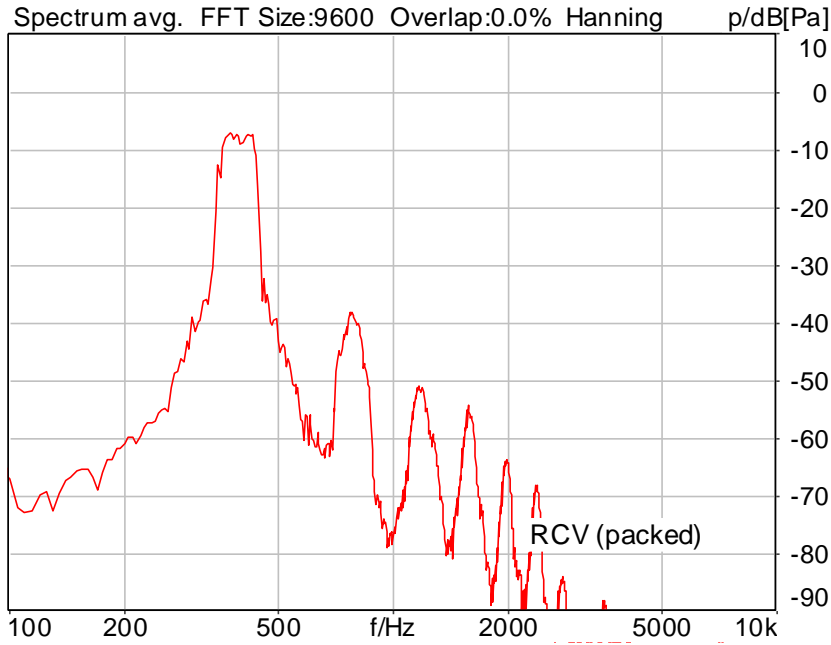
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.74 dB (2.90%) Ok

Ok

2024/5/30 上午 05:29 ACQUA 6.0.200

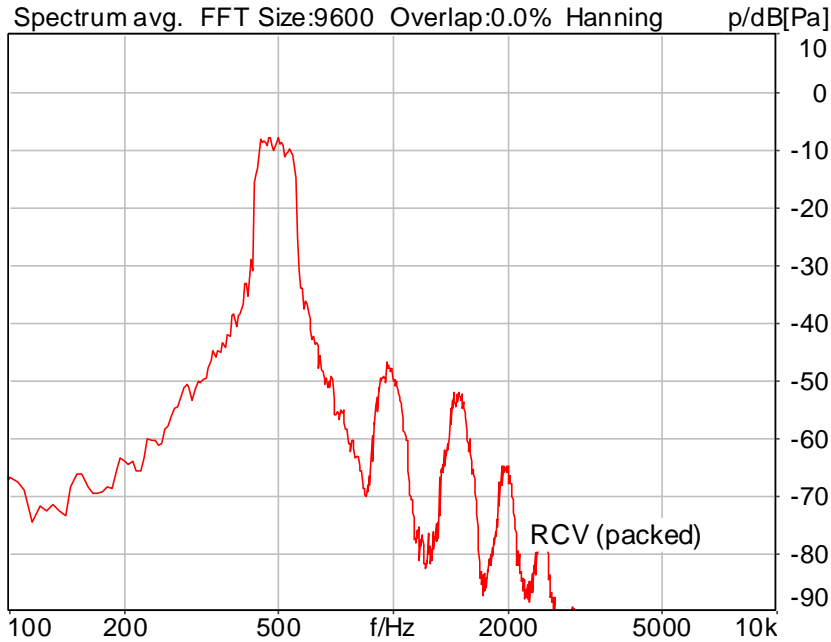
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.96 dB (2.25%) Ok

Ok

2024/5/30 上午 05:29 ACQUA 6.0.200

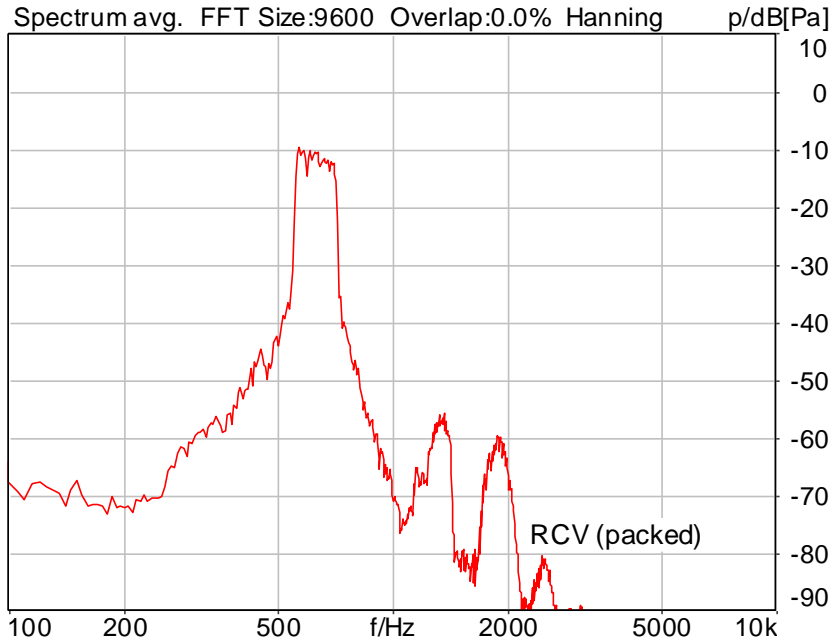
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 33.96 dB (2.01%) Ok

Ok

2024/5/30 上午 05:30 ACQUA 6.0.200

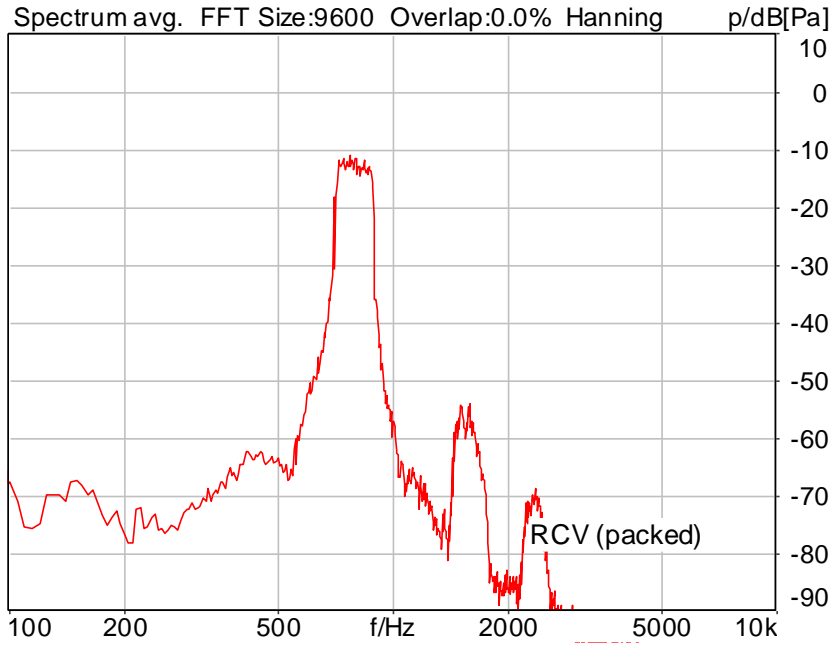
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 36.19 dB (1.55%) Ok

Ok

2024/5/30 上午 05:30 ACQUA 6.0.200

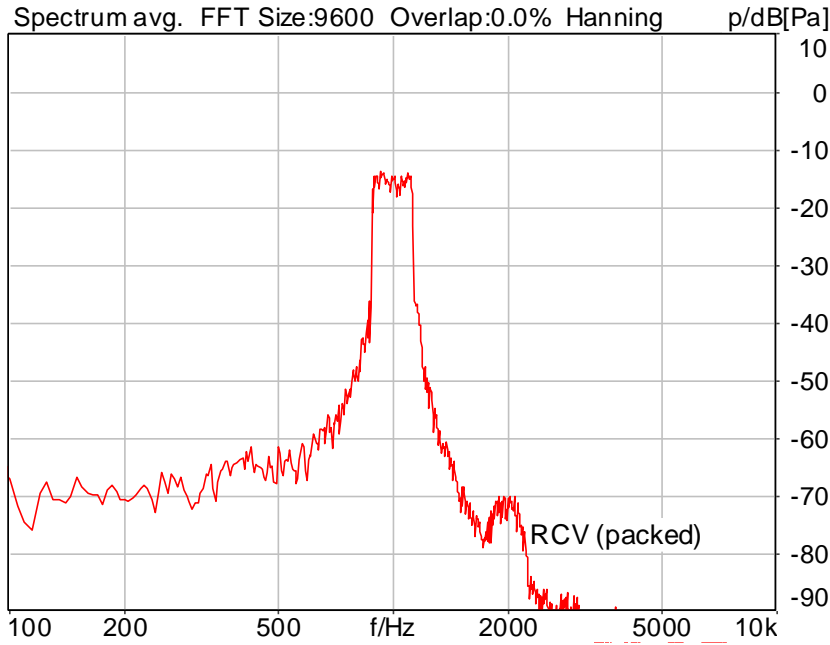
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.77 dB (2.89%) Ok

Ok

2024/5/30 上午 05:30 ACQUA 6.0.200

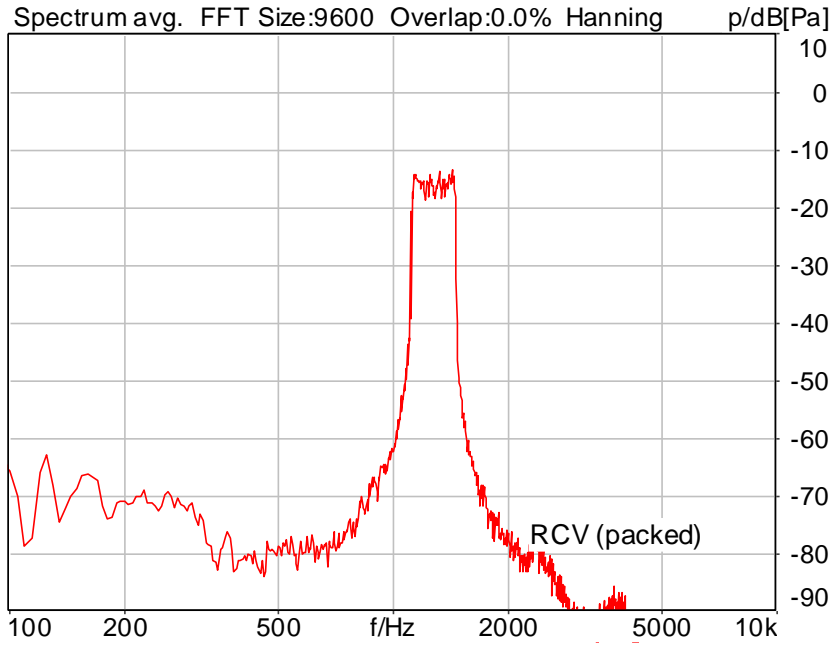
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.03 dB (2.50%) Ok

Ok

2024/5/30 上午 05:38 ACQUA 6.0.200

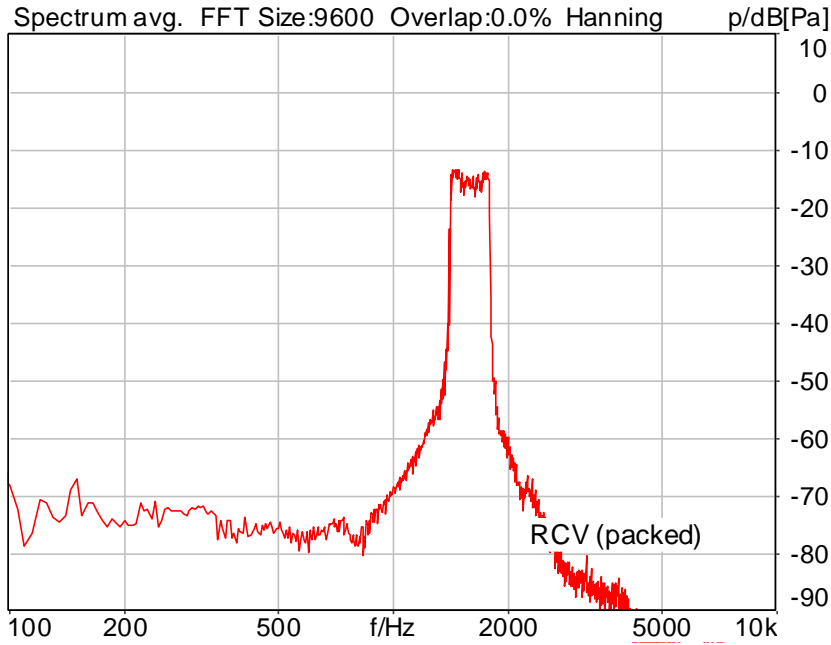
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 38.57 dB (1.18%) Ok

Ok

2024/5/30 上午 05:41 ACQUA 6.0.200

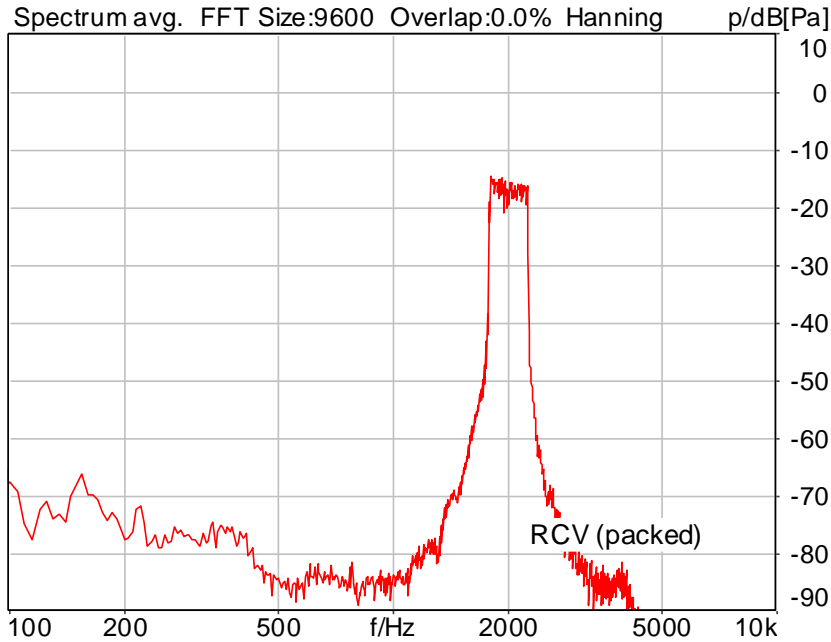
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 37.67 dB (1.31%) Ok

Ok

2024/5/30 上午 05:42 ACQUA 6.0.200

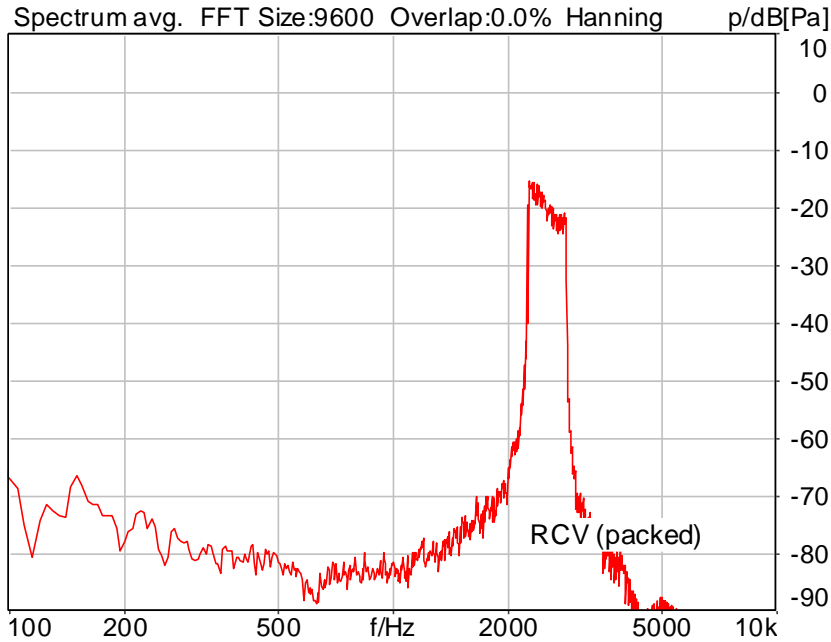
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 39.10 dB (1.11%) Ok

Ok

2024/5/30 上午 05:32 ACQUA 6.0.200

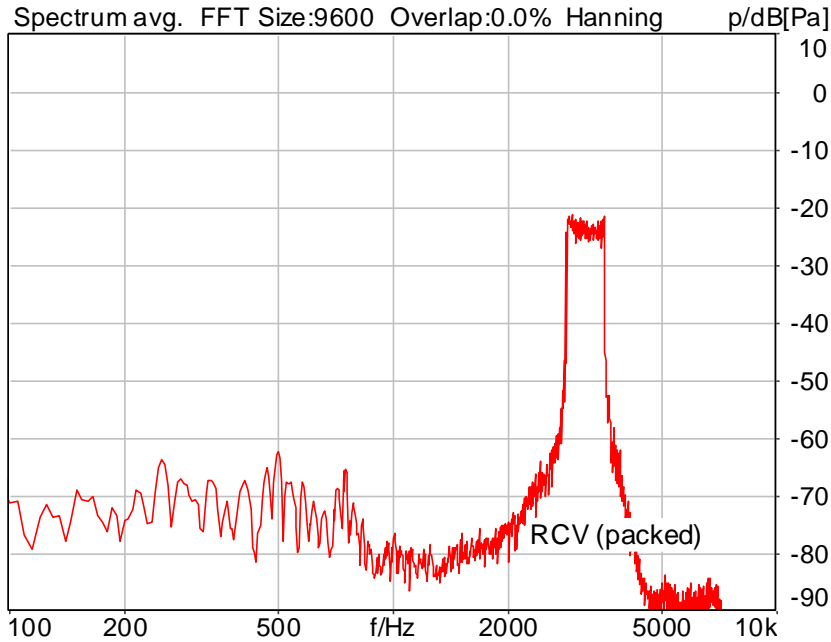
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.75 dB (1.83%) Ok

Ok

2024/5/30 上午 05:33 ACQUA 6.0.200

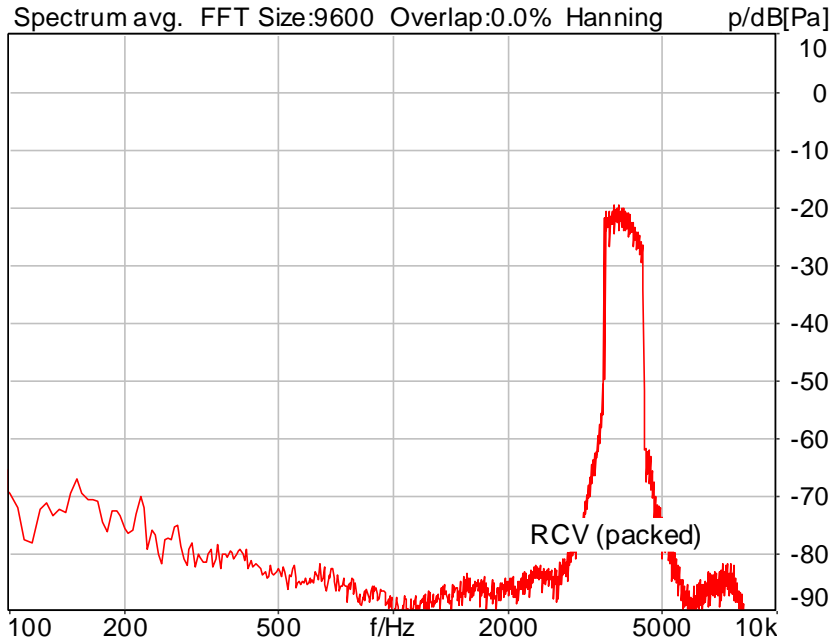
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 39.81 dB (1.02%) Ok

Ok

2024/5/30 上午 05:33 ACQUA 6.0.200

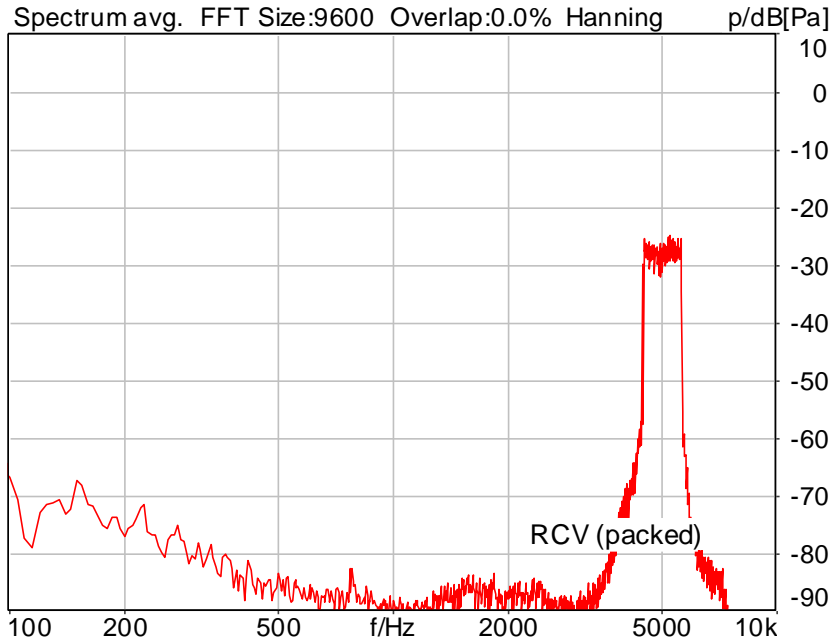
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 37.81 dB (1.29%) Ok

Ok

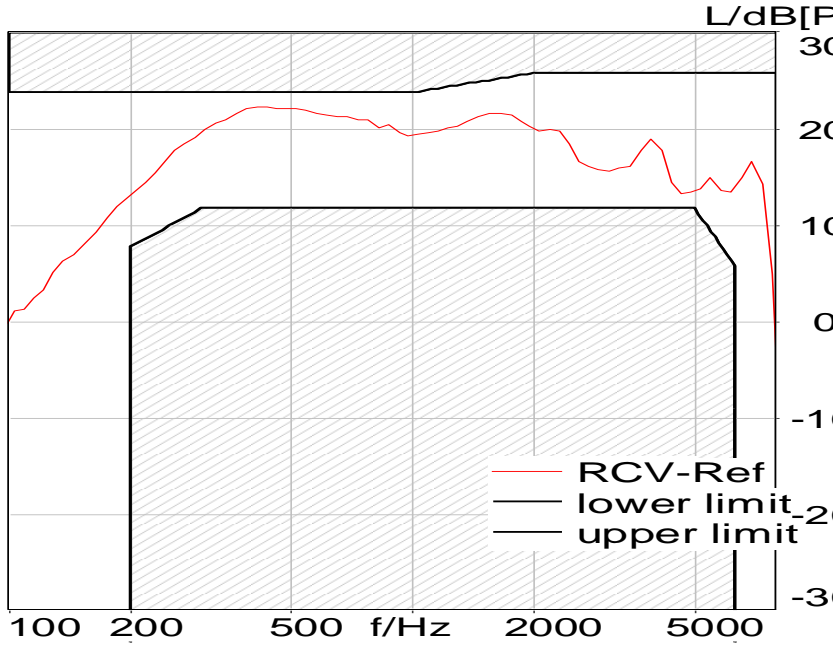
2024/5/30 上午 05:39 ACQUA 6.0.200

Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 20.00 dB |

5.3 Frequency Response 8N FF

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



Absolute minimal distance

1.53 dB at 436.9 Hz Ok

Ok

2024/5/30 上午 05:25 ACQUA 6.0.200

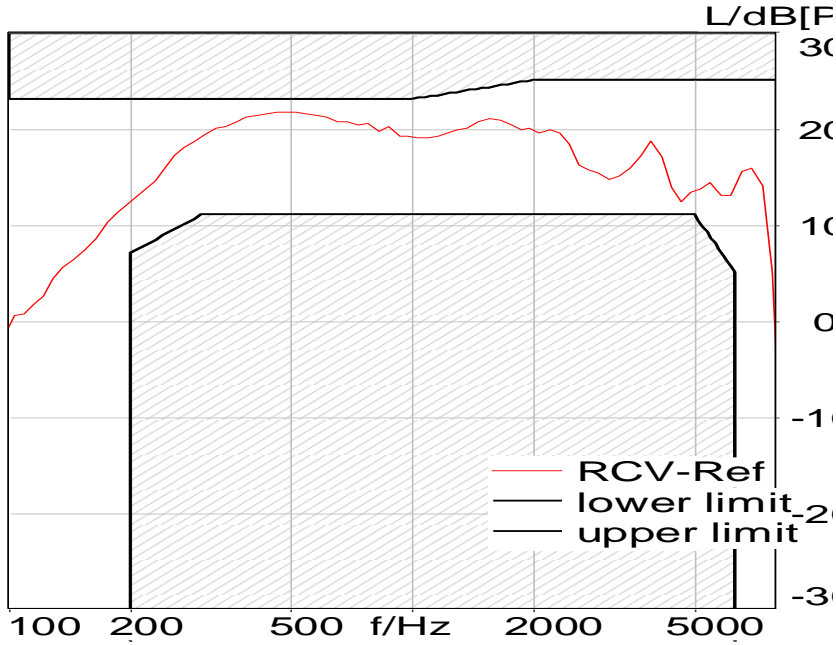
Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |



5.3 Frequency Response 2N FF

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



Absolute minimal distance

1.38 dB at 487.0 Hz Ok

Ok

2024/5/30 上午 05:34 ACQUA 6.0.200

Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |



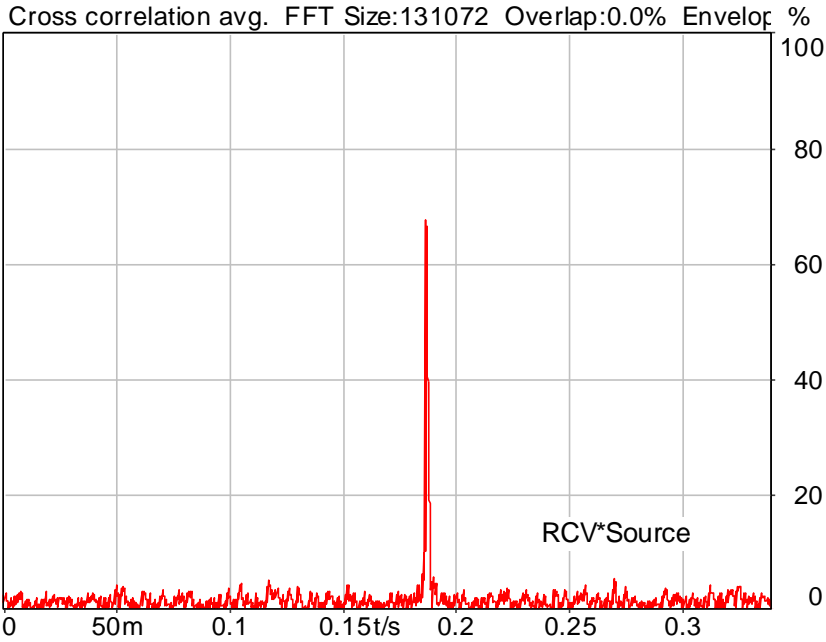
#3 WiFi 5.2GHz EVS WB 24.4kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|---|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 186.9 |
| 5.1a Receive Volume Control Performance 8N WB | Ok | Speech Level [dB[SPL]] | 89.19 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 88.82 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 26.08 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 26.36 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 27.10 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 24.39 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 26.61 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.69 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 41.95 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.36 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 34.87 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.71 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.75 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.49 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 43.96 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 32.95 |
| 5.2 RCV Distortion and Noise - 250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 21.68 |
| 5.2 RCV Distortion and Noise - 315 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 28.70 |
| 5.2 RCV Distortion and Noise - 400 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 23.23 |
| 5.2 RCV Distortion and Noise - 500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 26.03 |
| 5.2 RCV Distortion and Noise - 630 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.57 |
| 5.2 RCV Distortion and Noise - 800 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 25.52 |
| 5.2 RCV Distortion and Noise - 1000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 27.18 |
| 5.2 RCV Distortion and Noise - 1250 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 22.29 |
| 5.2 RCV Distortion and Noise - 1600 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 31.84 |
| 5.2 RCV Distortion and Noise - 2000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.95 |
| 5.2 RCV Distortion and Noise - 2500 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 38.07 |
| 5.2 RCV Distortion and Noise - 3150 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 30.50 |
| 5.2 RCV Distortion and Noise - 4000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 44.27 |
| 5.2 RCV Distortion and Noise - 5000 Hz WB | Ok | Distortion (Noise) [dB], 0.0 dB | 35.77 |
| 5.3 Frequency Response 8N FF | Ok | Min. dist. to tolerance scheme [dB], 576.7 Hz | 0.22 |
| 5.3 Frequency Response 2N FF | Ok | Min. dist. to tolerance scheme [dB], 576.7 Hz | 0.46 |



Overall Receive Delay WB

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

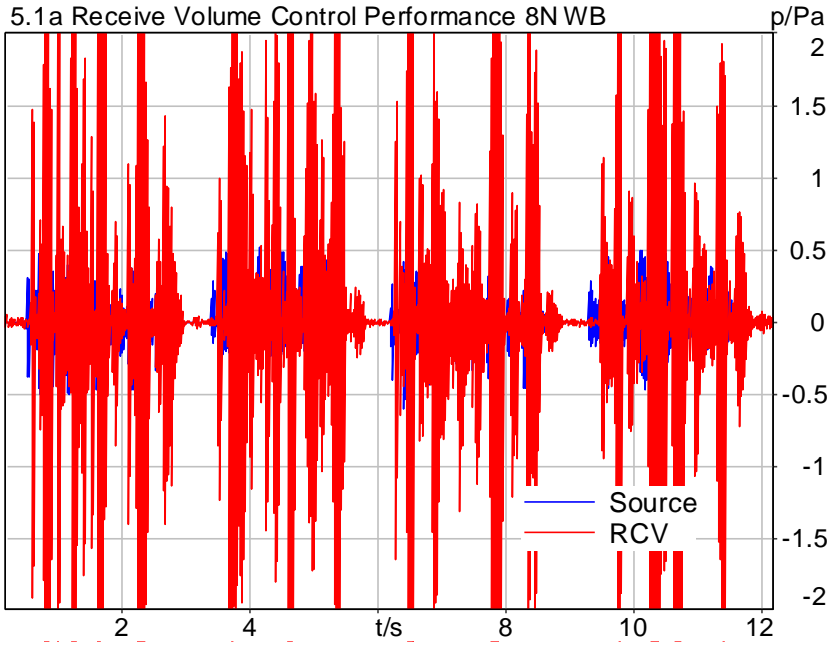


| Channel | Delay |
|------------|----------|
| RCV*Source | 186.9 ms |



5.1a Receive Volume Control Performance 8N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 89.19 dB[SPL] | 52.80% | Ok |

Ok

2024/4/25 下午 05:44 ACQUA 6.0.200

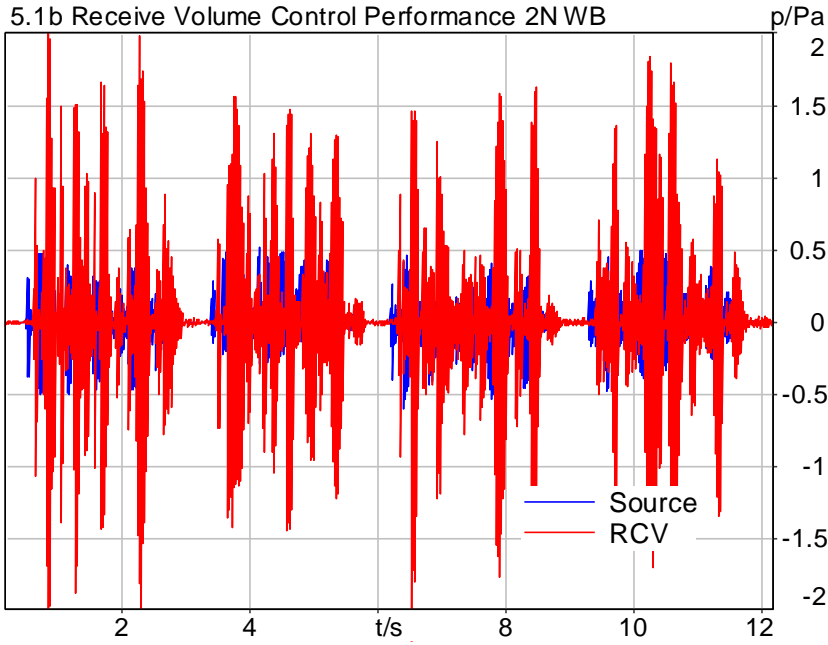
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 88.82 dB[SPL] | 19.31% | Ok |

Ok

2024/4/25 下午 05:52 ACQUA 6.0.200

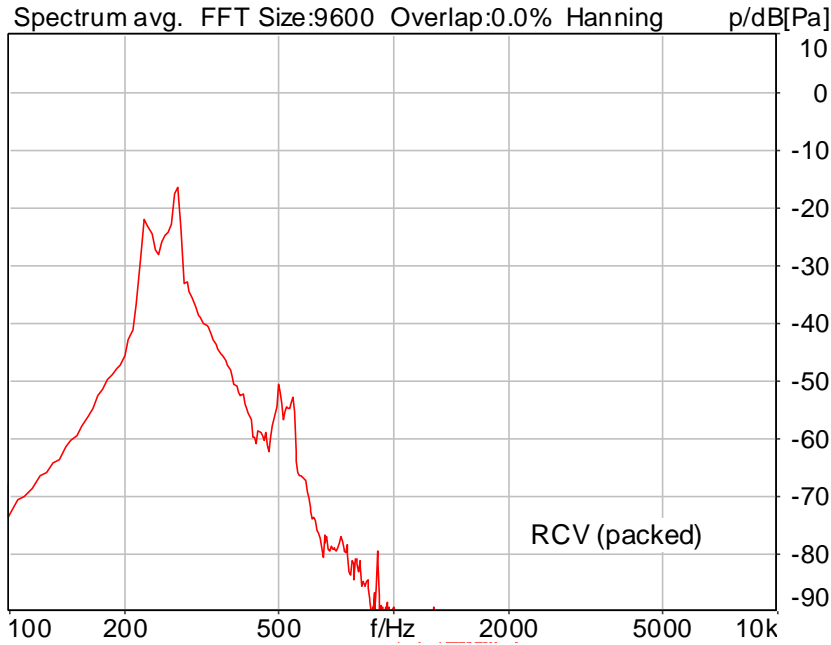
Limits

| | |
|-------|---------------|
| | lower |
| Run 1 | 76.00 dB20uPa |



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): 26.08 dB (4.96%) Ok

Ok

2024/4/25 下午 05:44 ACQUA 6.0.200

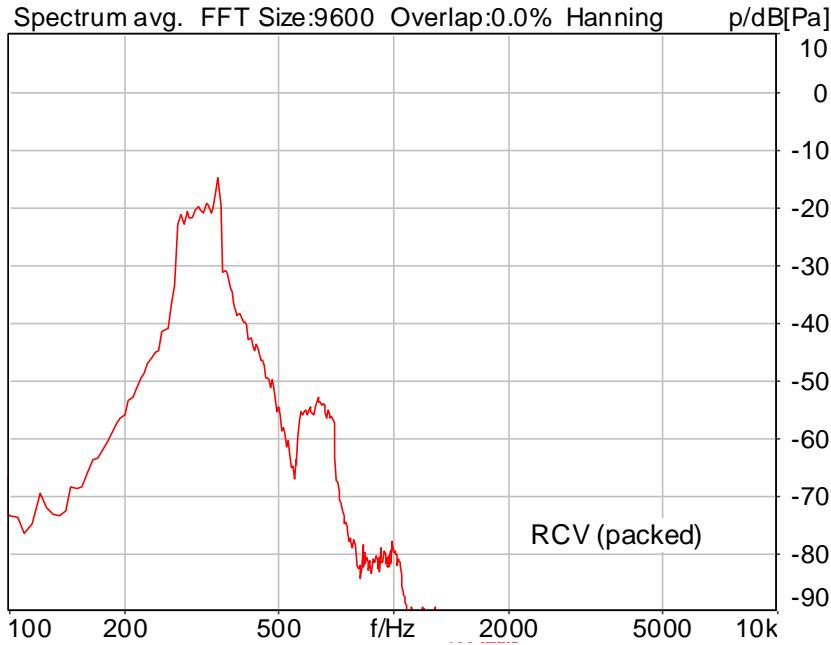
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 26.36 dB (4.81%) Ok

Ok

2024/4/25 下午 05:45 ACQUA 6.0.200

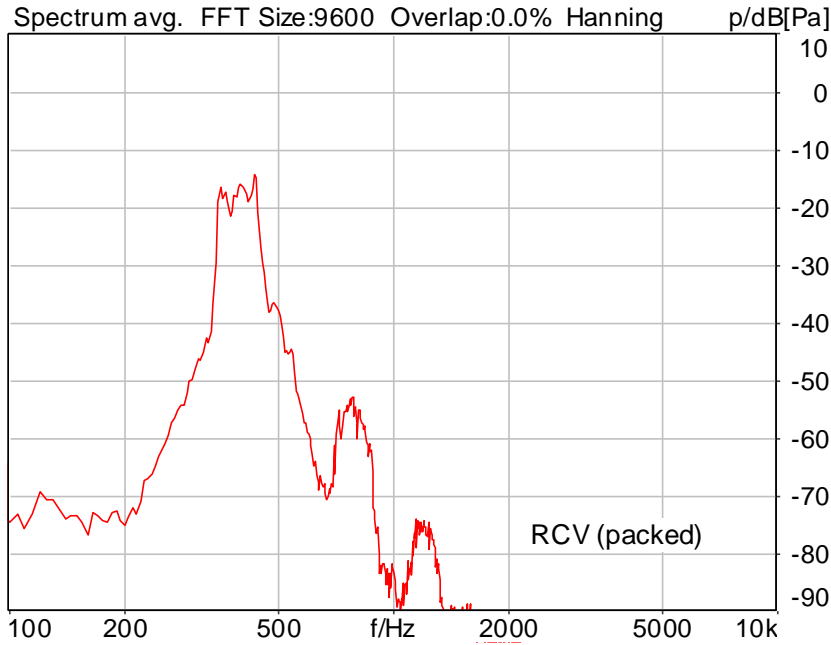
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 27.10 dB (4.42%) Ok

Ok

2024/4/25 下午 05:45 ACQUA 6.0.200

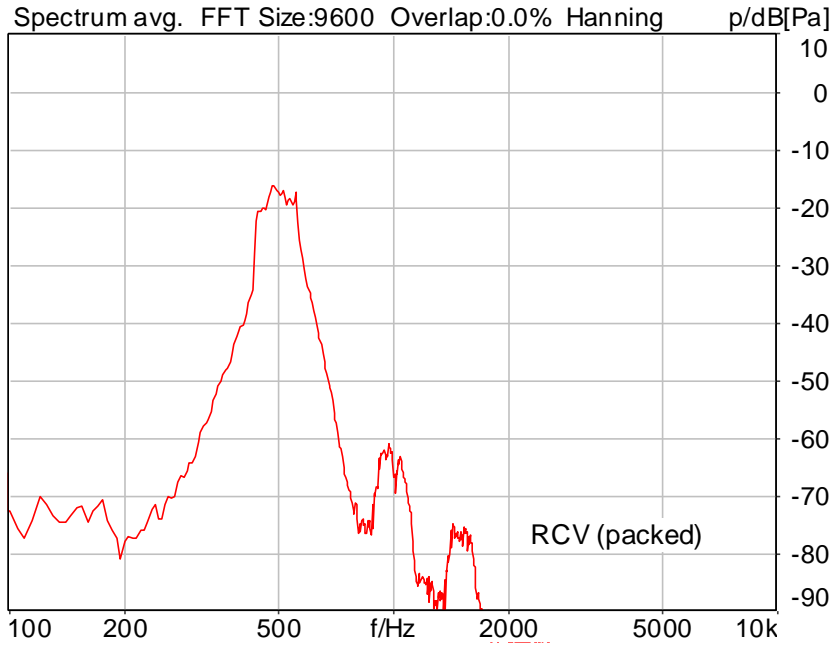
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 24.39 dB (6.03%) Ok

Ok

2024/4/25 下午 05:46 ACQUA 6.0.200

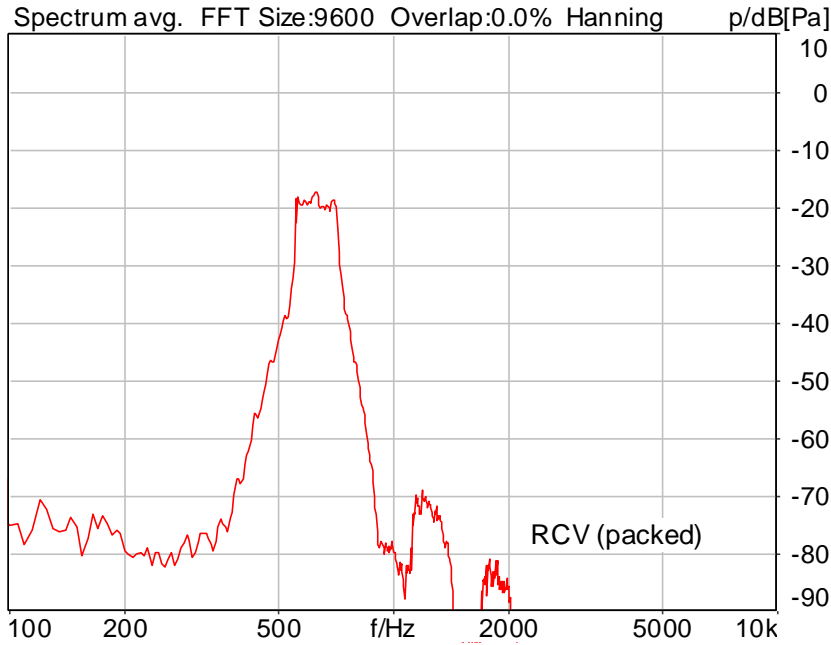
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 26.61 dB (4.67%) Ok

Ok

2024/4/25 下午 05:46 ACQUA 6.0.200

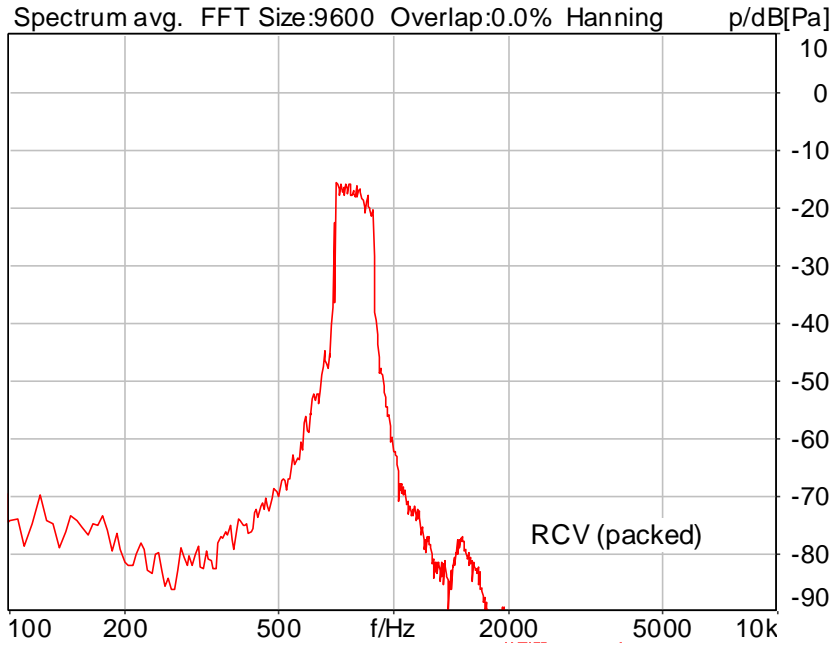
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.69 dB (1.64%) Ok

Ok

2024/4/25 下午 05:47 ACQUA 6.0.200

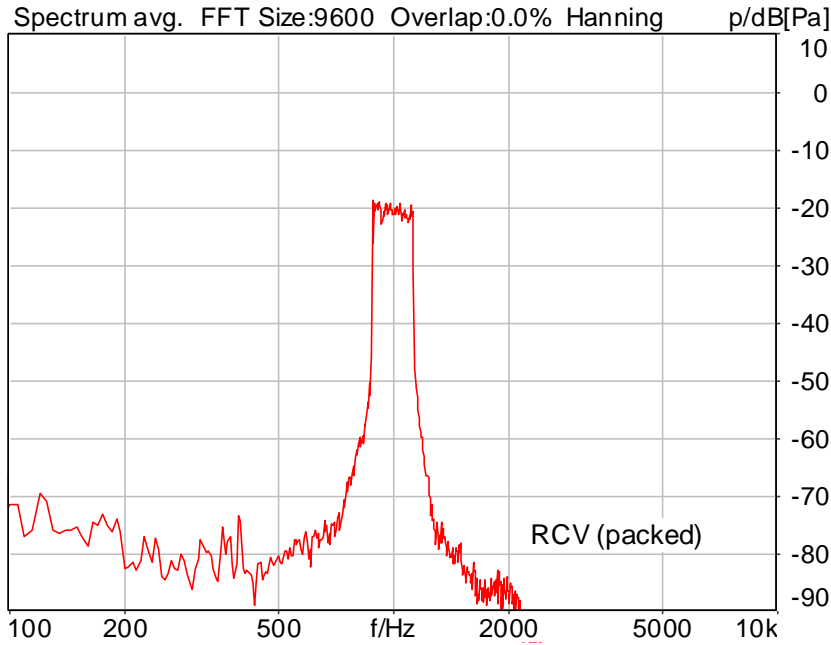
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 41.95 dB (0.80%) Ok

Ok

2024/4/25 下午 05:47 ACQUA 6.0.200

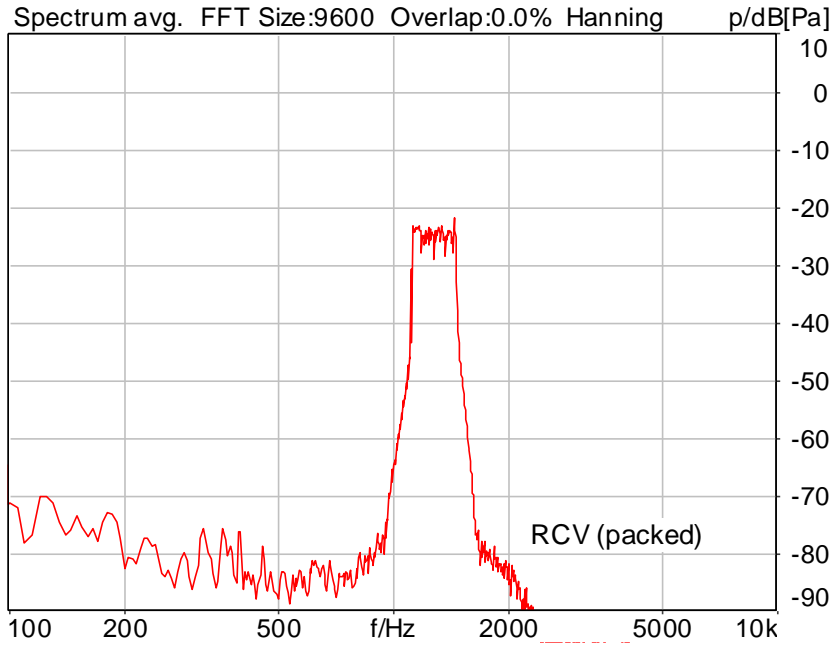
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 22.36 dB (7.62%) Ok

Ok

2024/4/25 下午 05:48 ACQUA 6.0.200

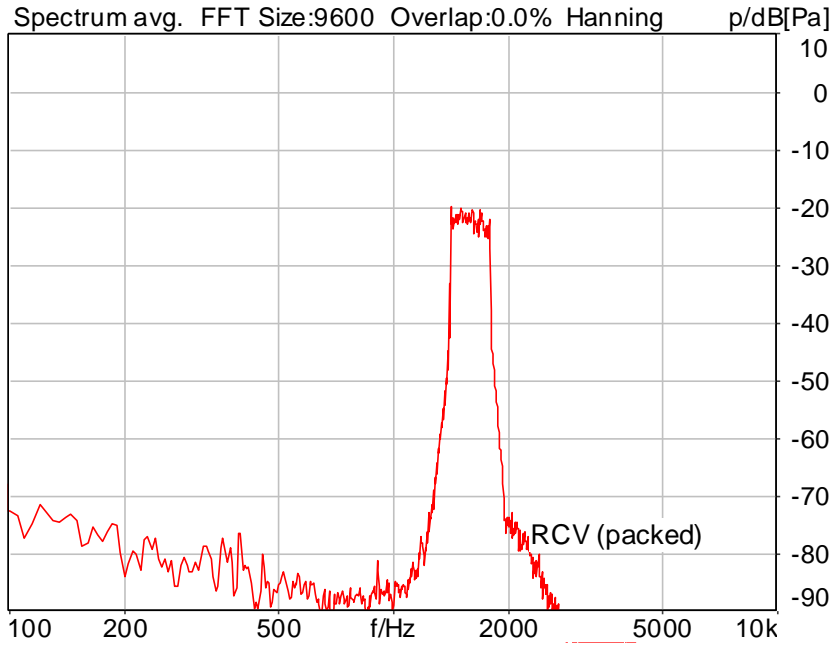
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 34.87 dB (1.81%) Ok

Ok

2024/4/25 下午 05:48 ACQUA 6.0.200

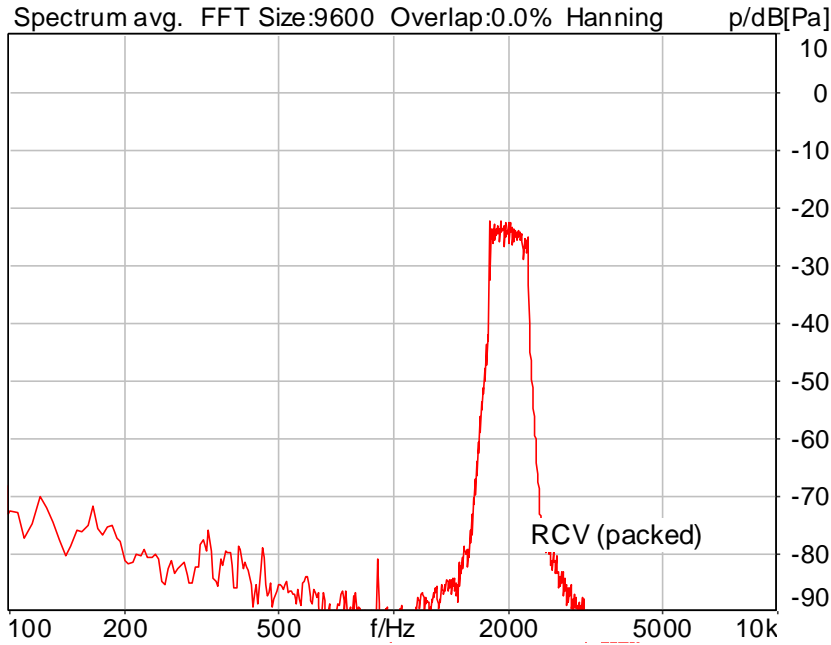
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 31.71 dB (2.60%) Ok

Ok

2024/4/25 下午 05:49 ACQUA 6.0.200

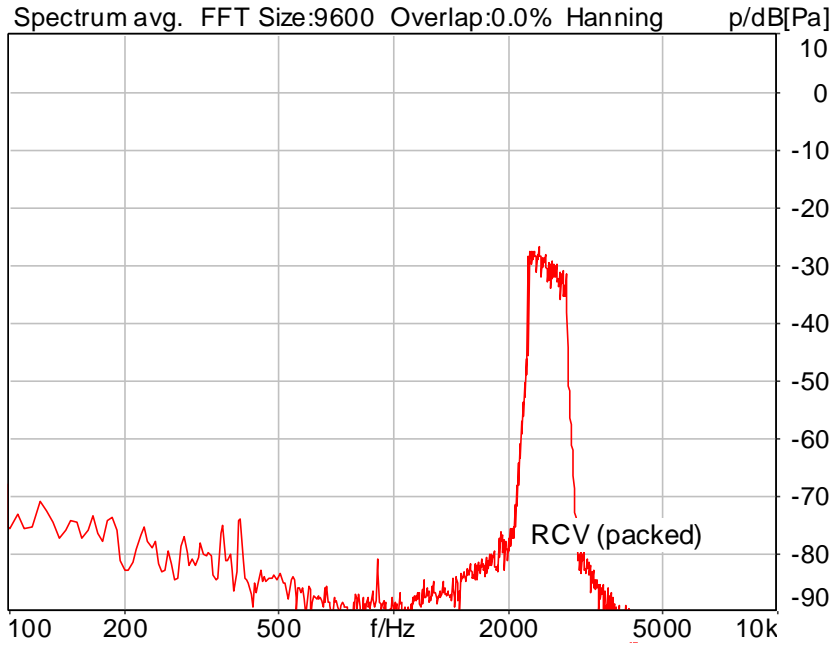
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.75 dB (2.90%) Ok

Ok

2024/4/25 下午 05:49 ACQUA 6.0.200

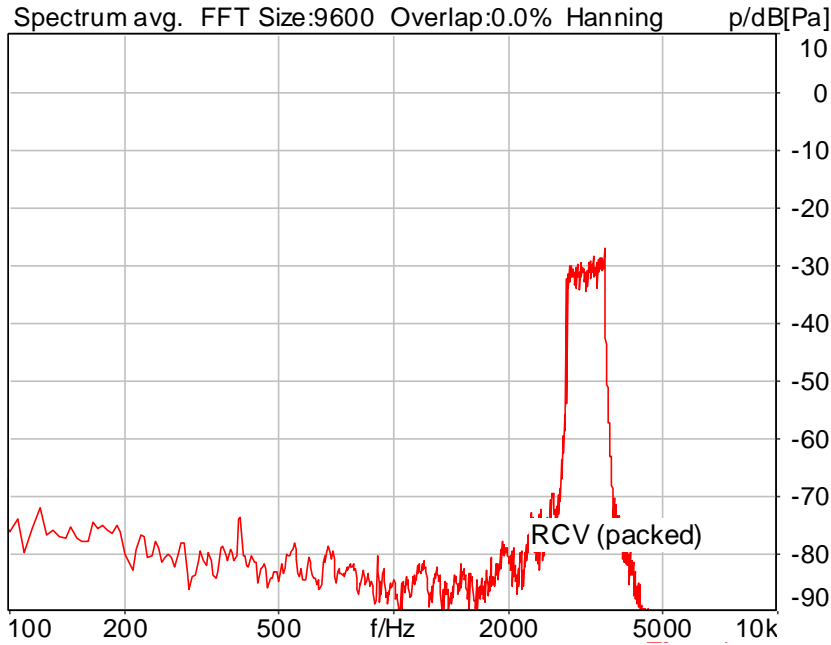
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.49 dB (2.37%) Ok

Ok

2024/4/25 下午 05:50 ACQUA 6.0.200

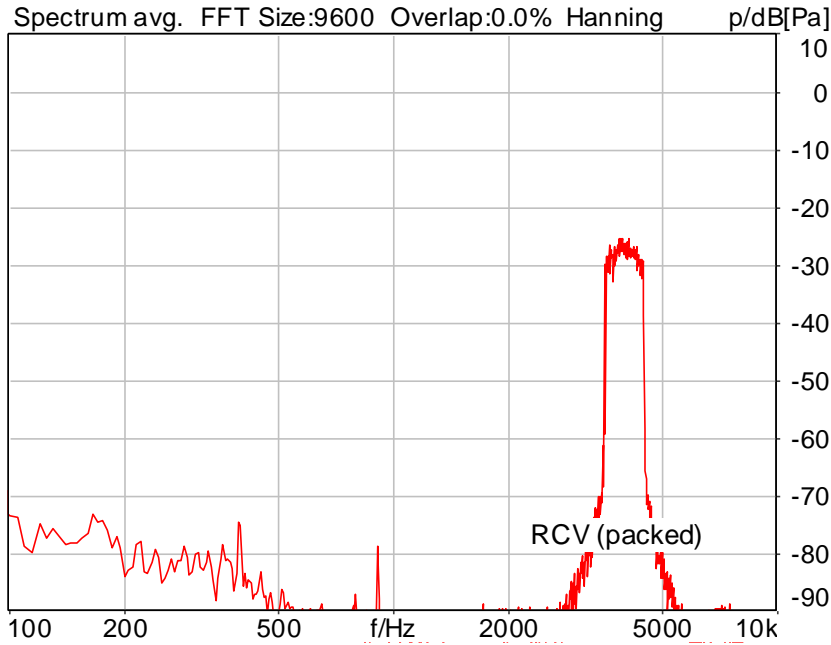
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 43.96 dB (0.63%) Ok

Ok

2024/4/25 下午 05:50 ACQUA 6.0.200

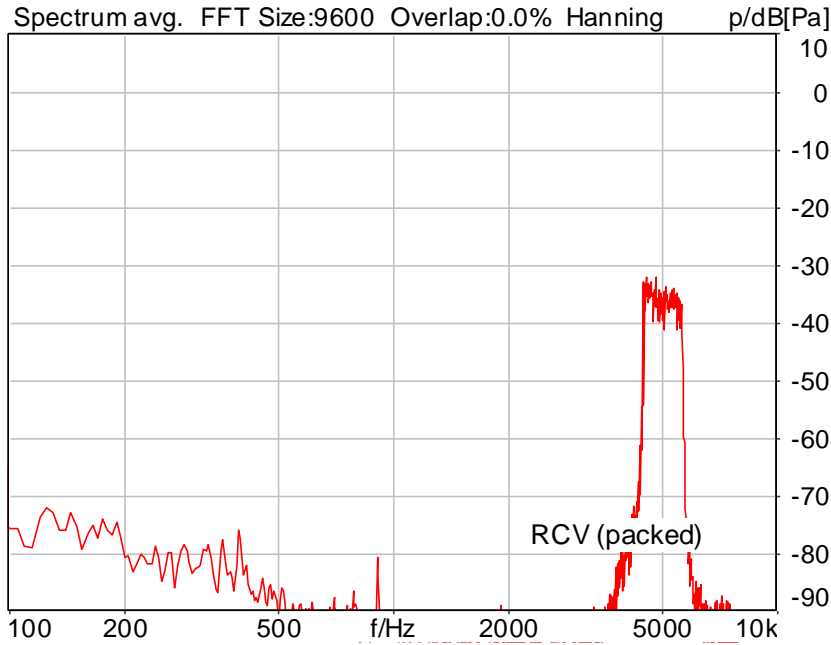
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 32.95 dB (2.25%) Ok

Ok

2024/4/25 下午 05:51 ACQUA 6.0.200

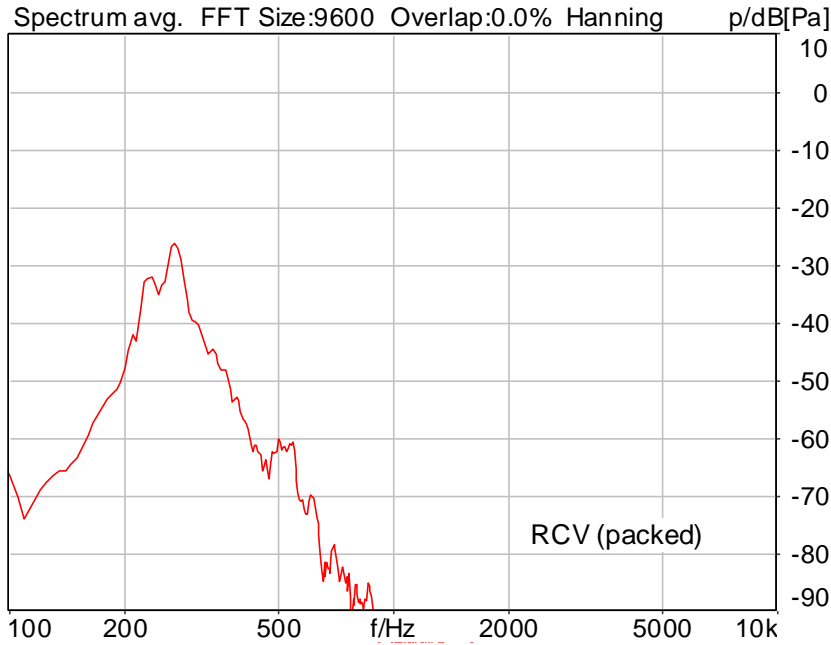
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 21.68 dB (8.24%) Ok

Ok

2024/4/25 下午 05:52 ACQUA 6.0.200

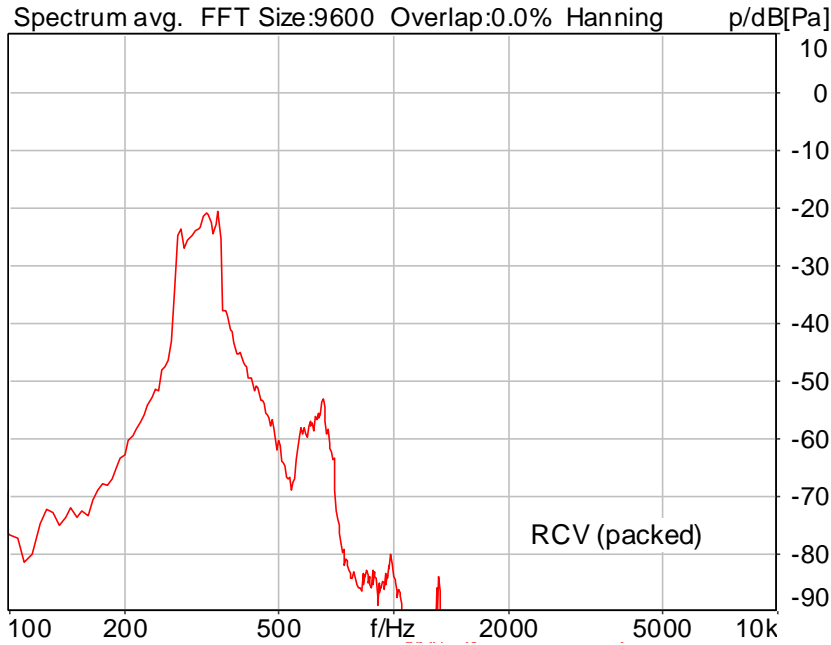
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 28.70 dB (3.67%) Ok

Ok

2024/4/25 下午 05:53 ACQUA 6.0.200

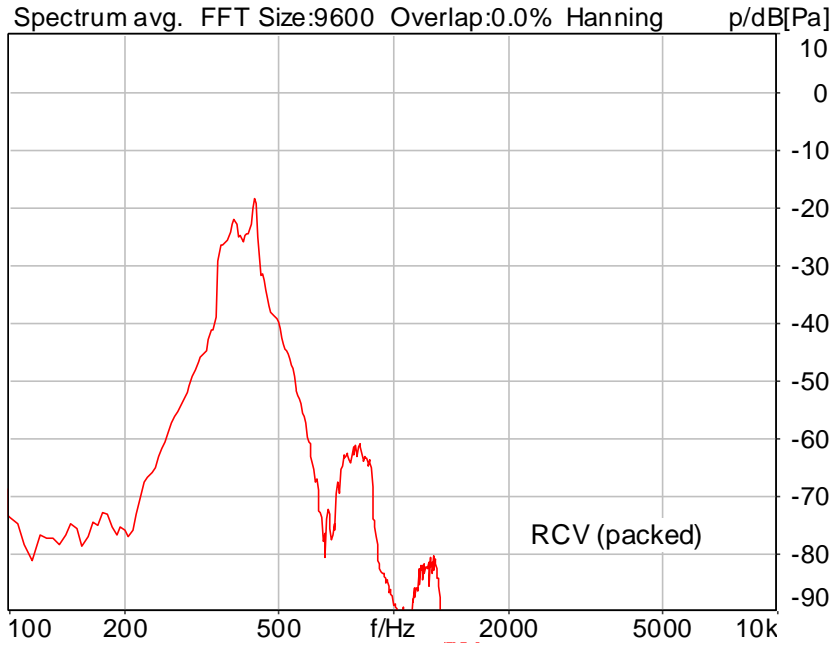
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 23.23 dB (6.89%) Ok

Ok

2024/4/25 下午 05:53 ACQUA 6.0.200

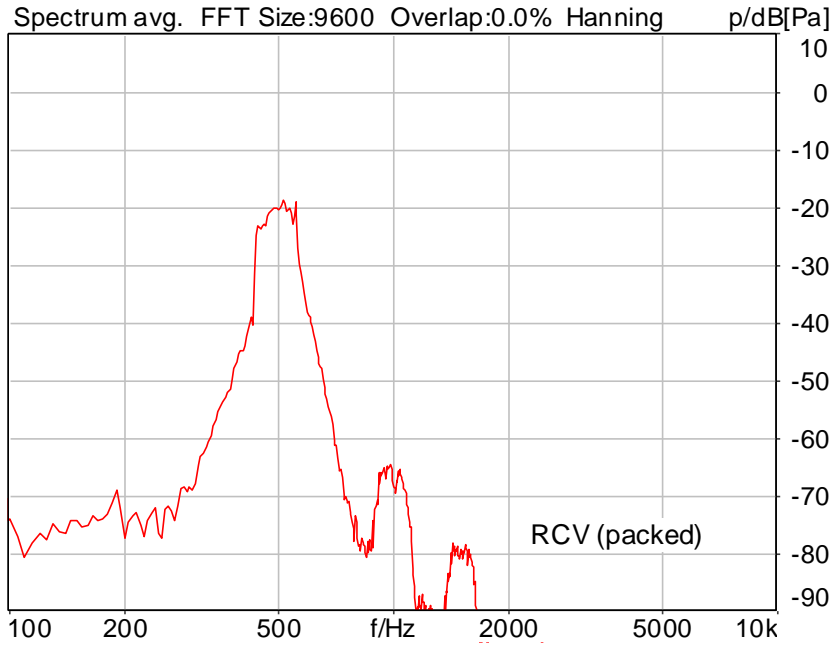
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 26.03 dB (4.99%) Ok

Ok

2024/4/25 下午 05:54 ACQUA 6.0.200

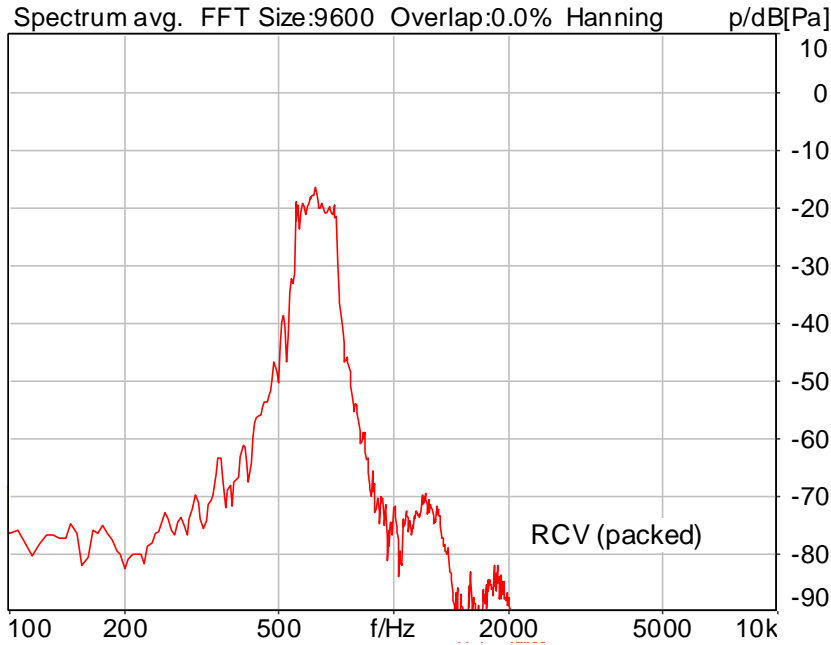
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.57 dB (2.96%) Ok

Ok

2024/4/25 下午 05:54 ACQUA 6.0.200

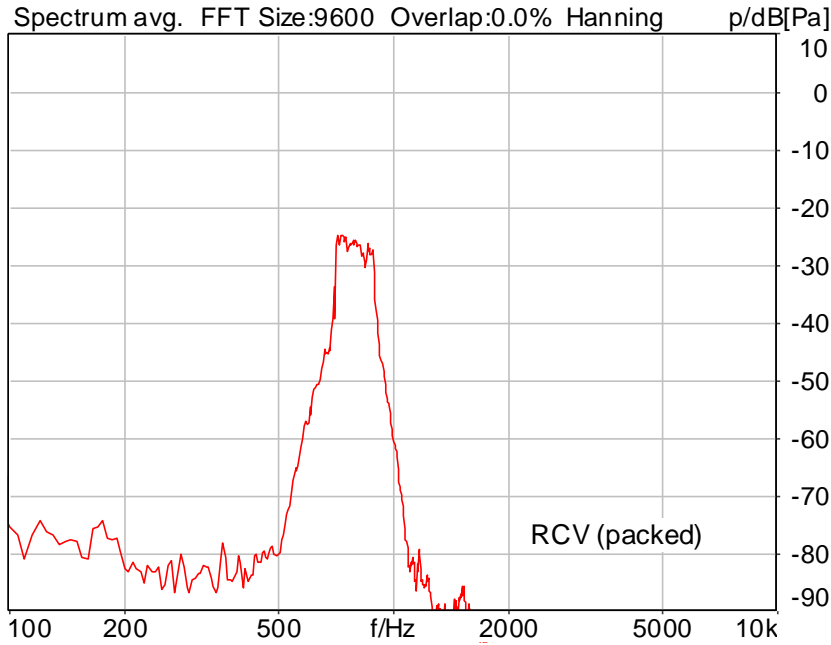
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 25.52 dB (5.30%) Ok

Ok

2024/4/25 下午 05:55 ACQUA 6.0.200

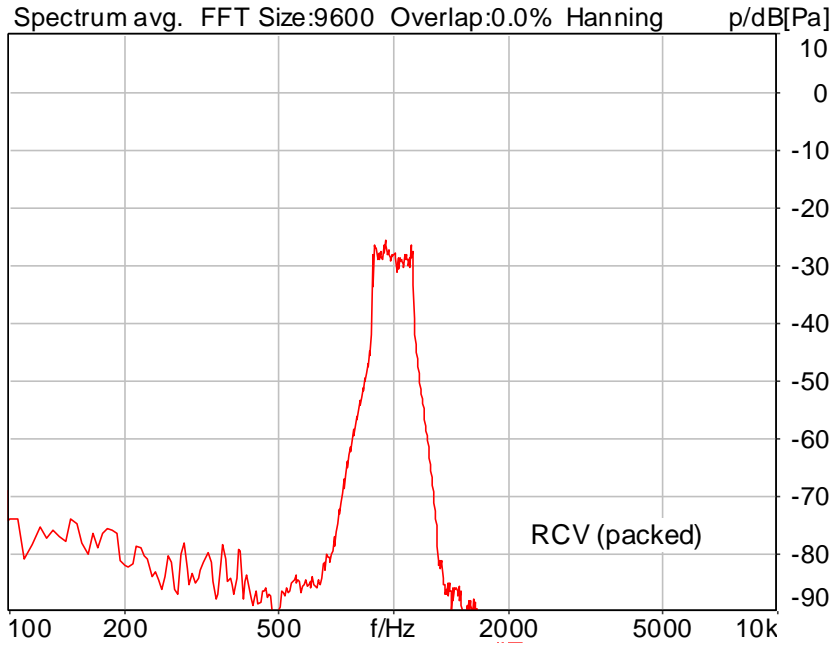
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 27.18 dB (4.38%) Ok

Ok

2024/4/25 下午 05:55 ACQUA 6.0.200

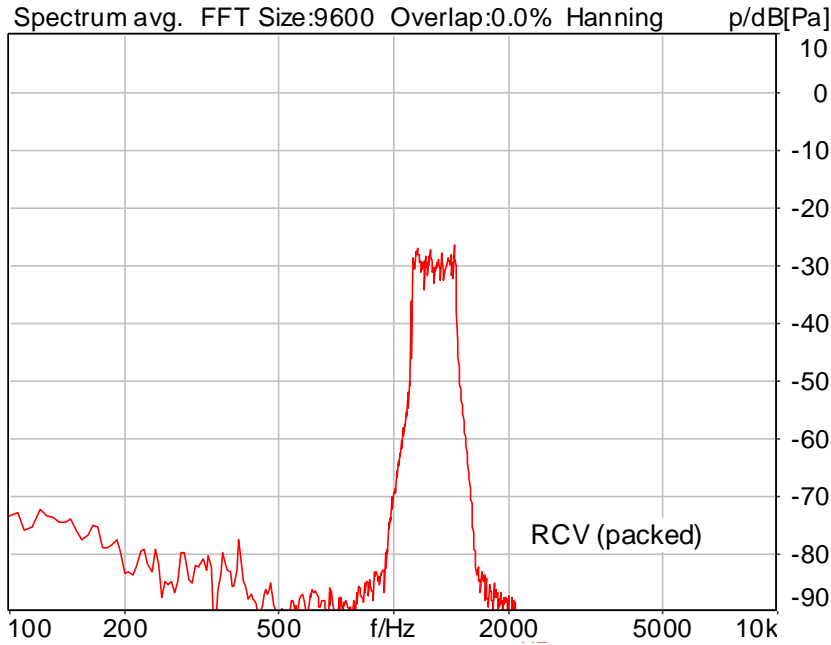
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 22.29 dB (7.69%) Ok

Ok

2024/4/25 下午 05:56 ACQUA 6.0.200

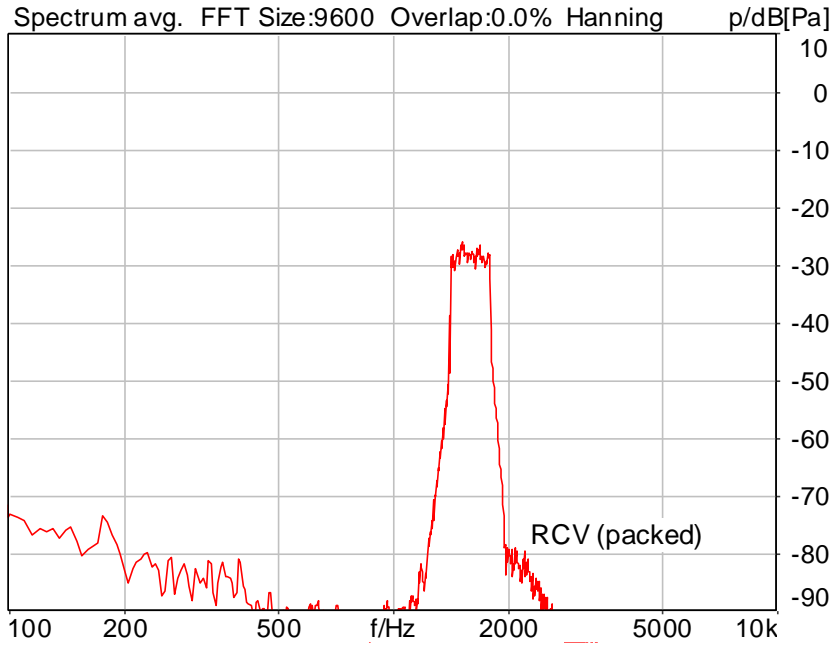
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 31.84 dB (2.56%) Ok

Ok

2024/4/25 下午 05:56 ACQUA 6.0.200

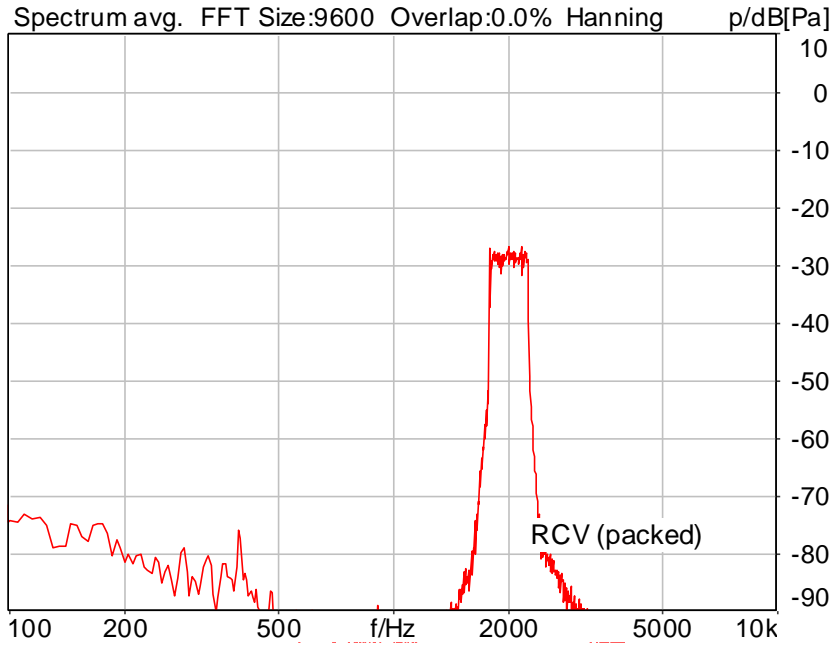
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.95 dB (1.59%) Ok

Ok

2024/4/25 下午 05:57 ACQUA 6.0.200

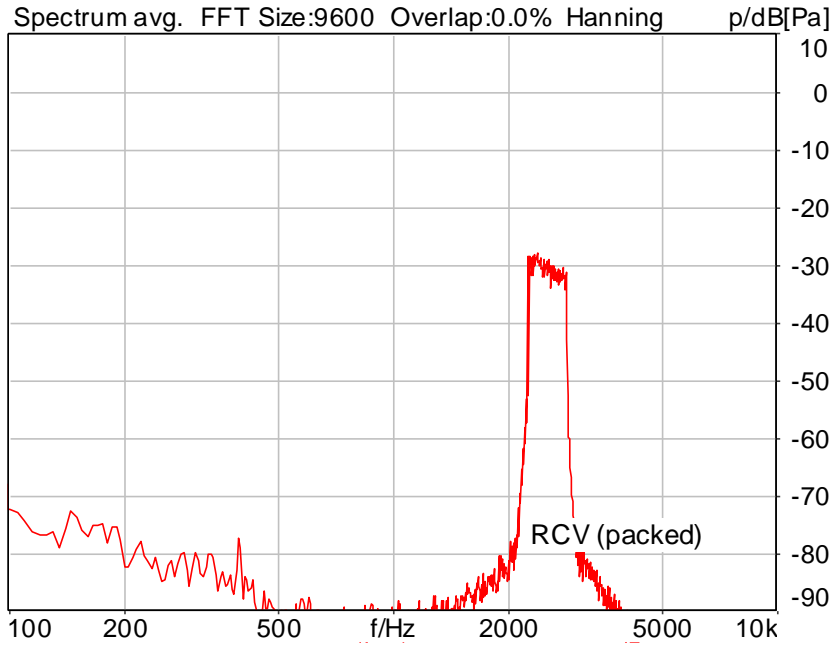
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 38.07 dB (1.25%) Ok

Ok

2024/4/25 下午 05:57 ACQUA 6.0.200

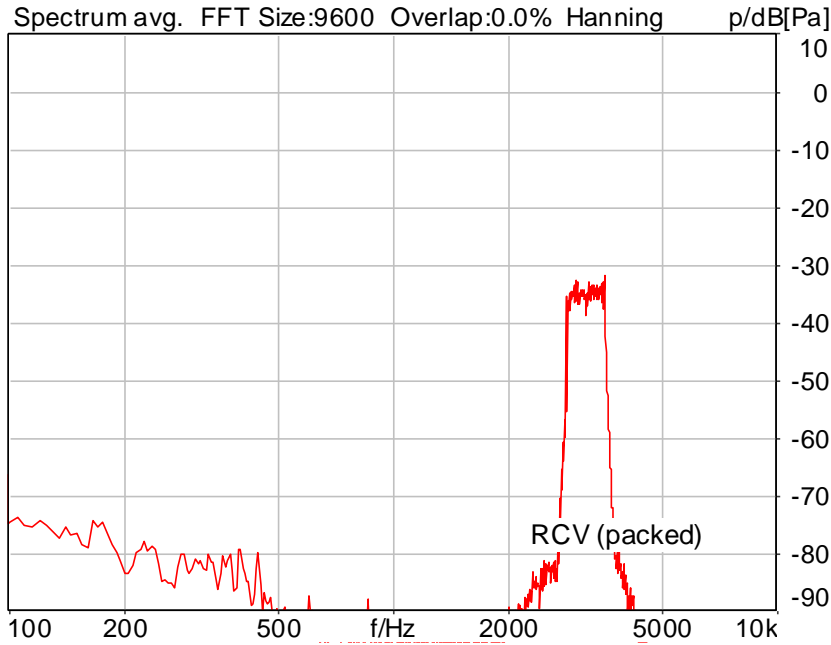
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 30.50 dB (2.98%) Ok

Ok

2024/4/25 下午 05:58 ACQUA 6.0.200

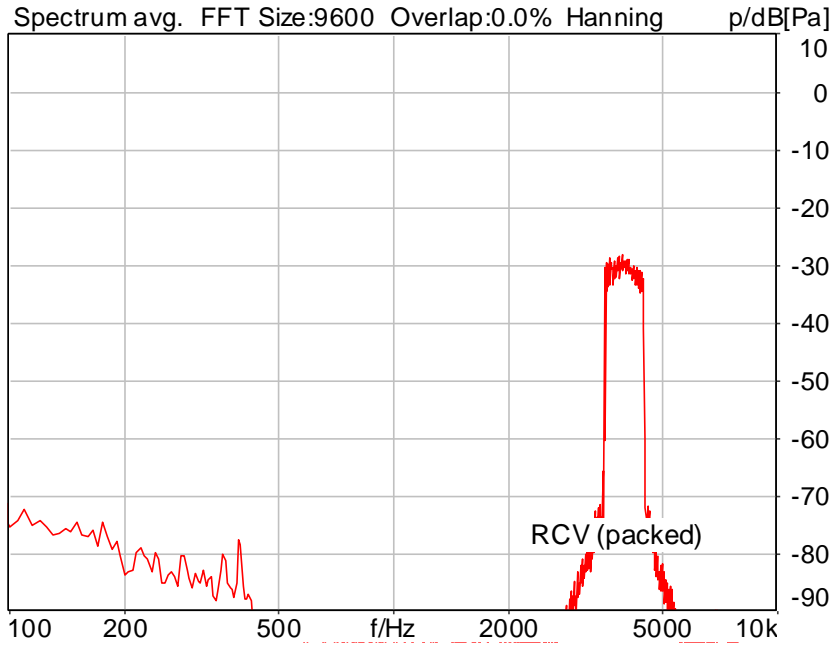
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 44.27 dB (0.61%) Ok

Ok

2024/4/25 下午 05:58 ACQUA 6.0.200

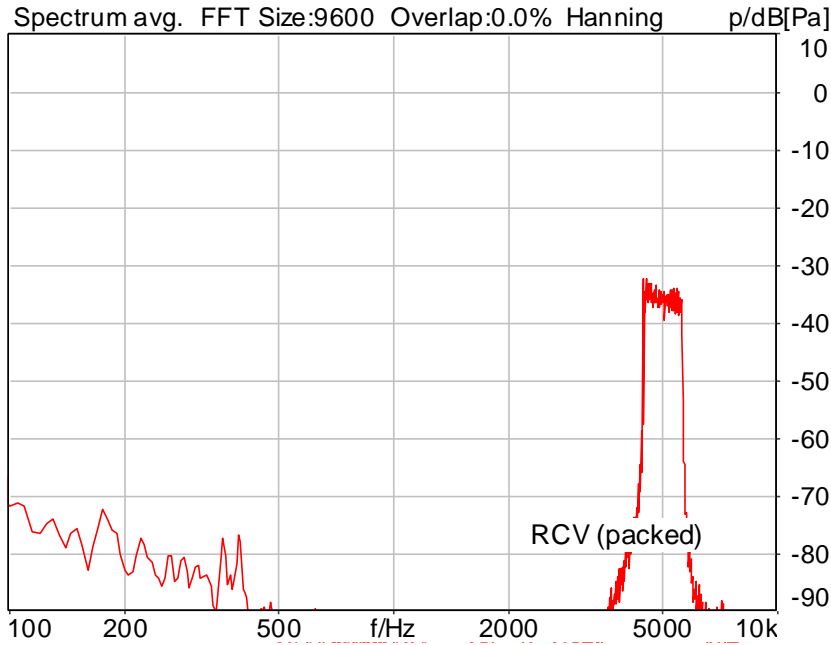
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 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): 35.77 dB (1.63%) Ok

Ok

2024/4/25 下午 05:59 ACQUA 6.0.200

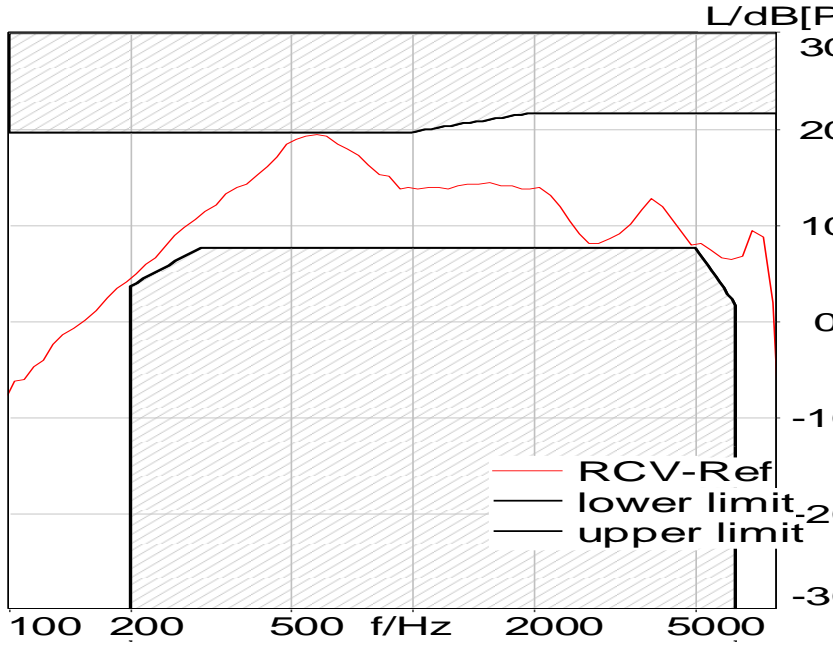
Limits

| | |
|-------|----------|
| | lower |
| Run 1 | 20.00 dB |



5.3 Frequency Response 8N FF

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



Absolute minimal distance

0.22 dB at 576.7 Hz Ok

Ok

2024/4/25 下午 05:51 ACQUA 6.0.200

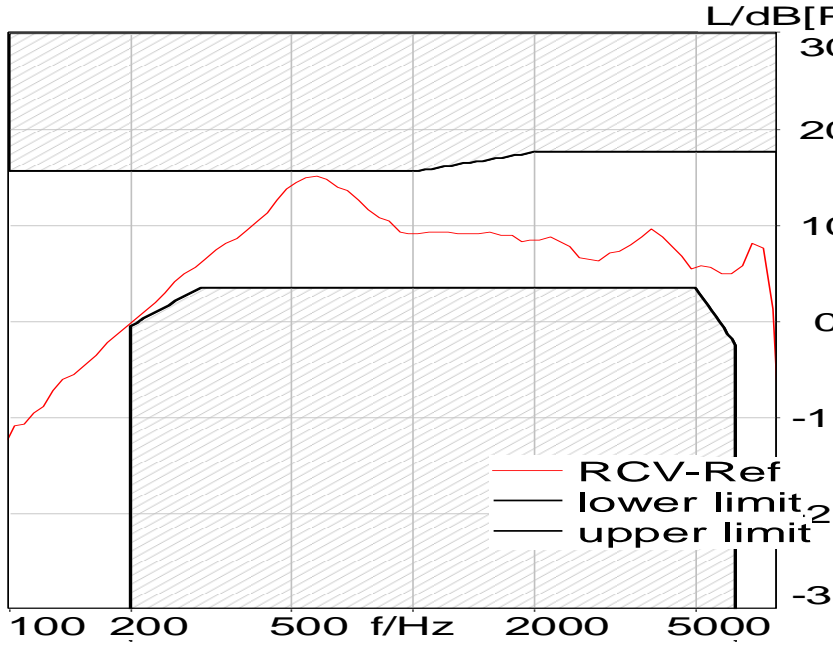
Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |



5.3 Frequency Response 2N FF

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



Absolute minimal distance

0.46 dB at 576.7 Hz Ok

Ok

2024/4/25 下午 06:00 ACQUA 6.0.200

Limits

| | |
|-------|--------------------|
| | lower |
| Run 1 | Fit into tolerance |



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



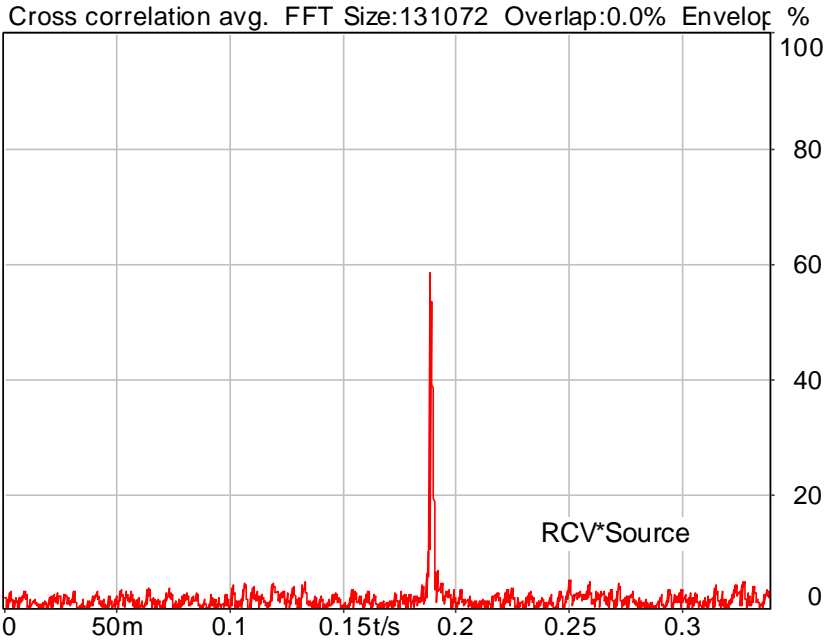
#4 GSM1900 AMR WB 12.65kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 189.1 |
| 5.1a Receive Volume Control Performance 8N WB limit | Ok | Speech Level [dB[SPL]] | 90.08 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 87.52 |



Overall Receive Delay WB

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



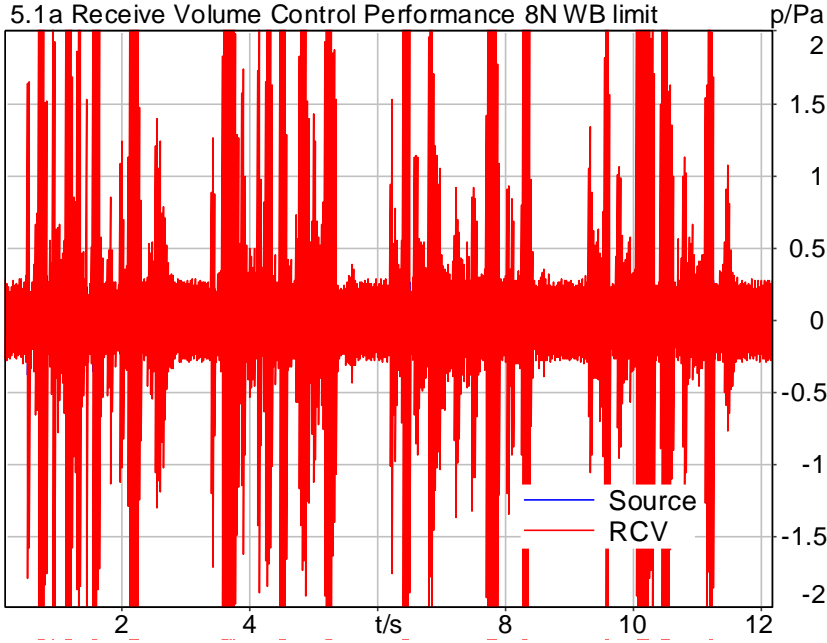
| Channel | Delay |
|------------|----------|
| RCV*Source | 189.1 ms |

2024/4/30 上午 01:19 ACQUA 6.0.200



5.1a Receive Volume Control Performance 8N WB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 90.08 dB[SPL] | 54.76% | Ok |

Ok

2024/4/30 上午 01:19 ACQUA 6.0.200

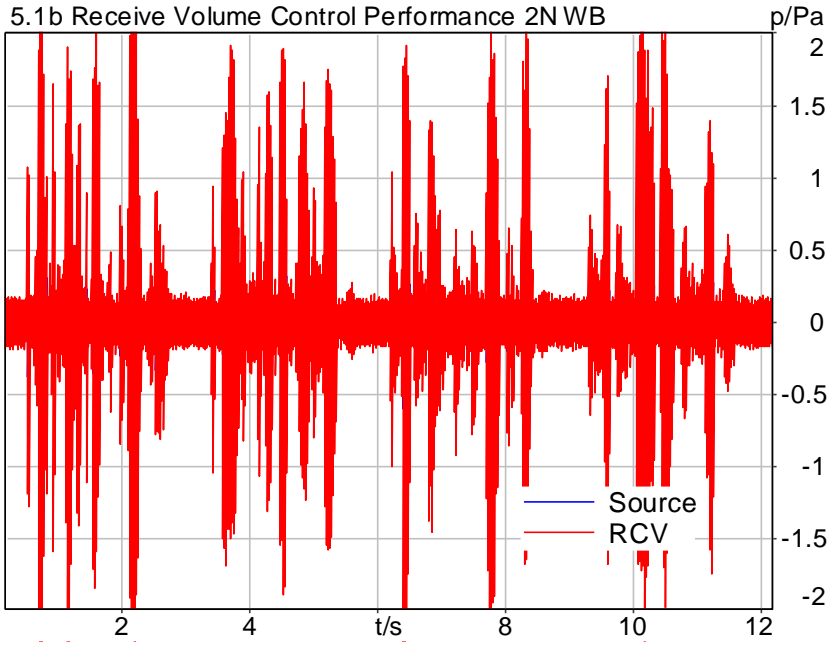
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 87.52 dB[SPL] | 39.39% | Ok |

Ok

2024/4/30 上午 01:22 ACQUA 6.0.200

Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



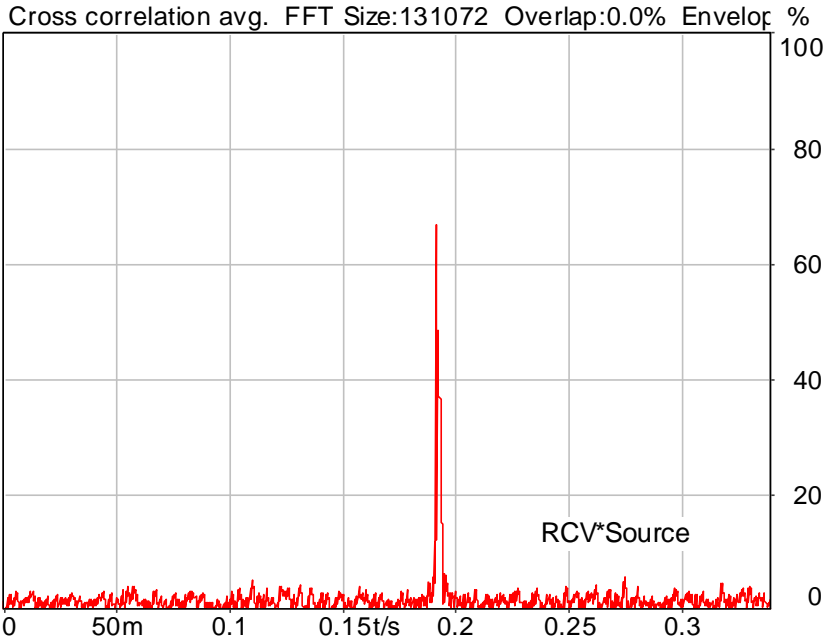
#5 WCDMA IV AMR WB 23.85kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay WB | Done | Delay (Cross) [ms] | 192.0 |
| 5.1a Receive Volume Control Performance 8N WB limit | Ok | Speech Level [dB[SPL]] | 90.19 |
| 5.1b Receive Volume Control Performance 2N WB | Ok | Speech Level [dB[SPL]] | 87.48 |



Overall Receive Delay WB

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



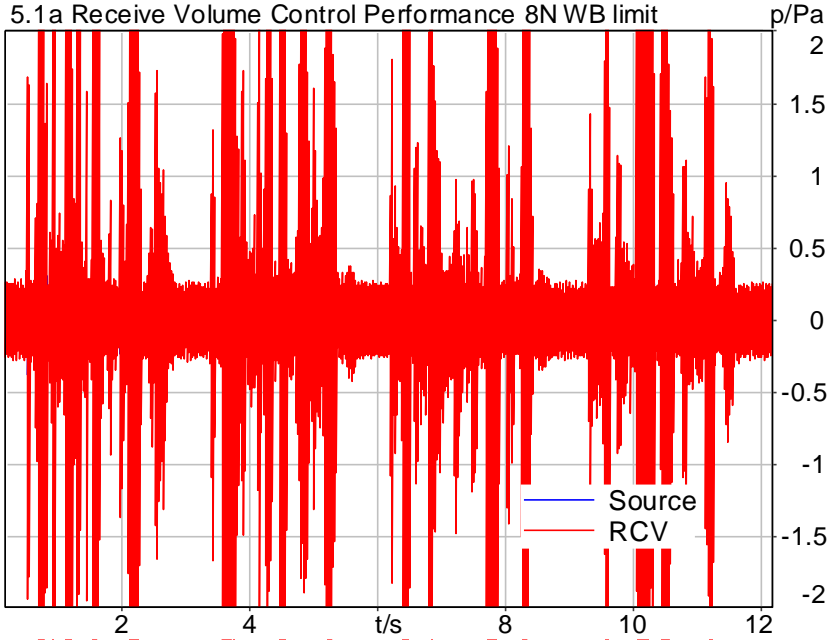
| Channel | Delay |
|------------|----------|
| RCV*Source | 192.0 ms |

2024/4/29 下午 10:31 ACQUA 6.0.200



5.1a Receive Volume Control Performance 8N WB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 90.19 dB[SPL] | 55.80% | Ok |

Ok

2024/4/29 下午 10:31 ACQUA 6.0.200

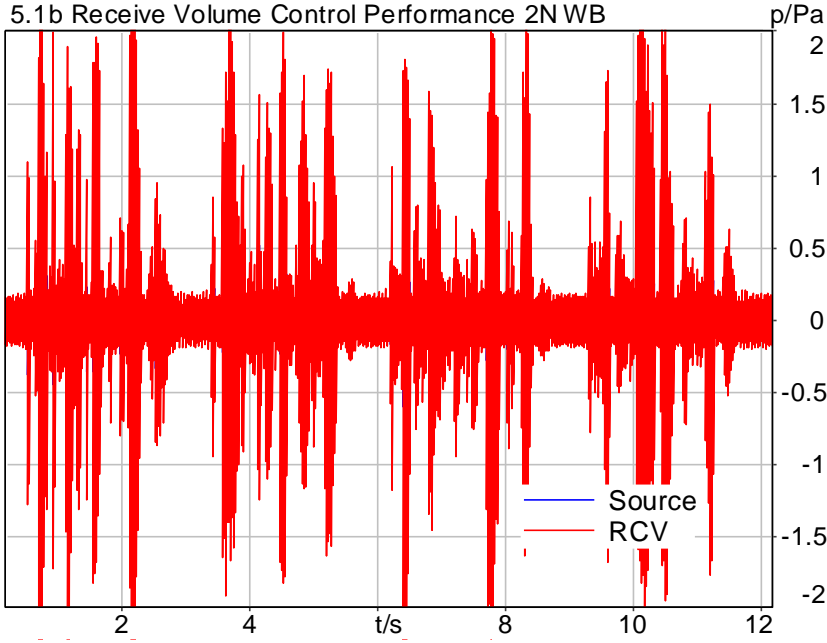
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N WB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 87.48 dB[SPL] | 41.53% | Ok |

Ok

2024/4/29 下午 11:26 ACQUA 6.0.200

Limits

| | |
|-------|---------------|
| | lower |
| Run 1 | 76.00 dB20uPa |



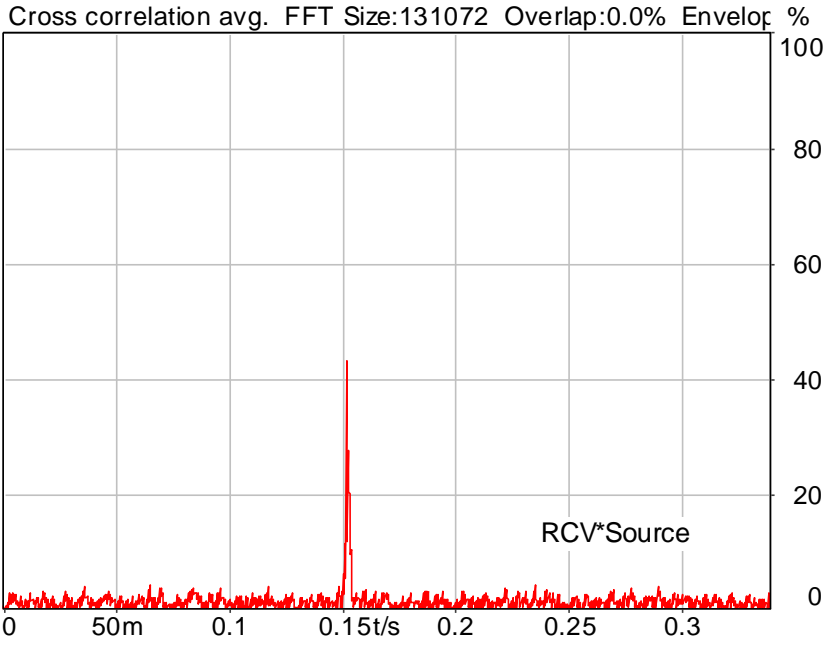
#6 LTE Band 12 EVS NB 5.9kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay NB | Done | Delay (Cross) [ms] | 152.2 |
| 5.1a Receive Volume Control Performance 8N NB limit | Ok | Speech Level [dB[SPL]] | 88.85 |
| 5.1b Receive Volume Control Performance 2N NB | Ok | Speech Level [dB[SPL]] | 87.12 |



Overall Receive Delay NB

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

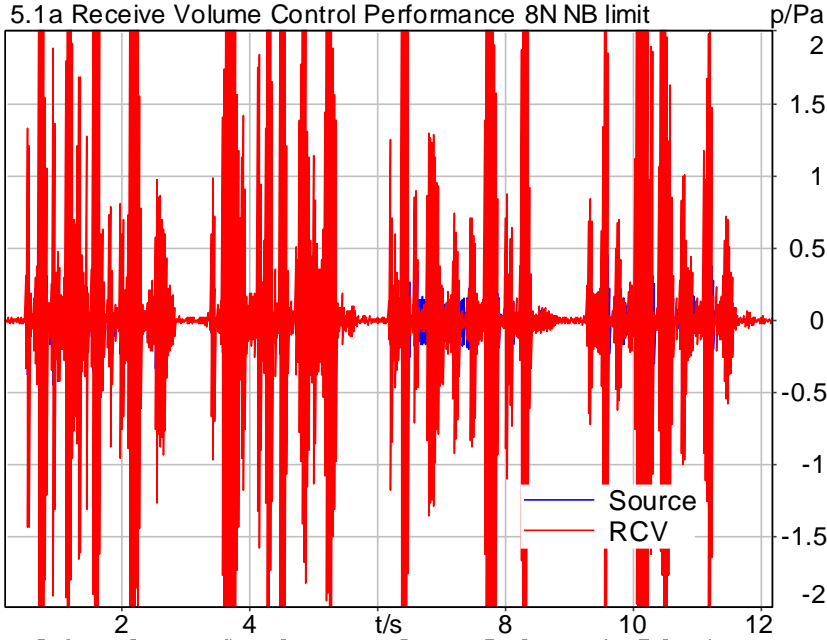


| Channel | Delay |
|------------|----------|
| RCV*Source | 152.2 ms |

2024/4/26 上午 05:01 ACQUA 6.0.200

5.1a Receive Volume Control Performance 8N NB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 88.85 dB[SPL] | 46.82% | Ok |

Ok

2024/4/26 上午 05:01 ACQUA 6.0.200

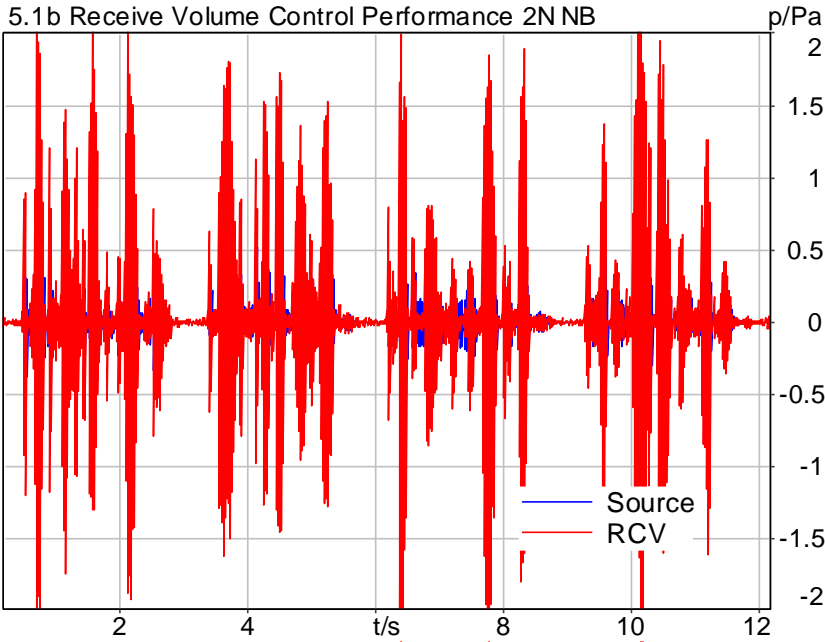
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N NB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 87.12 dB[SPL] | 27.43% | Ok |

Ok

2024/4/26 上午 05:02 ACQUA 6.0.200

Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



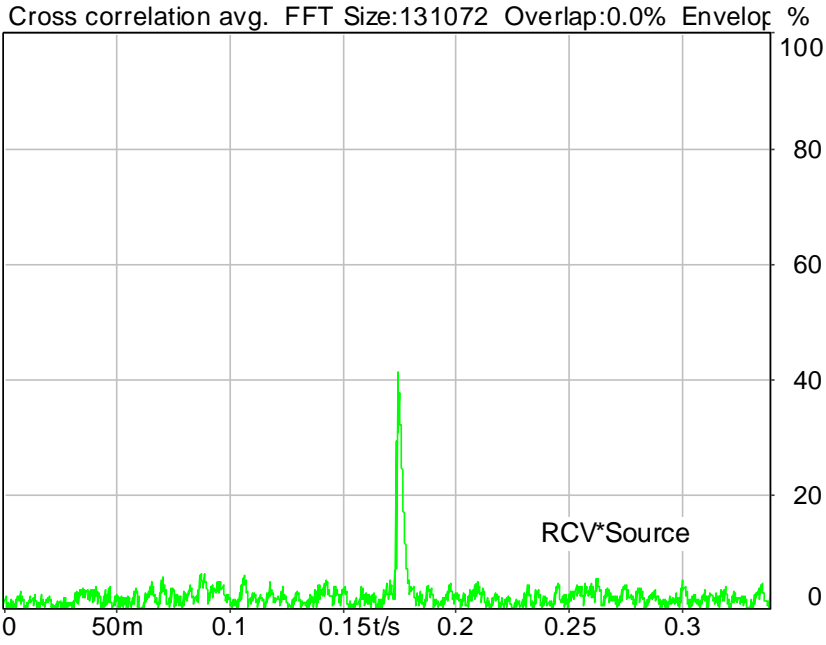
#7 FR1 n77 AMR NB 4.75kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay NB | Done | Delay (Cross) [ms] | 174.4 |
| 5.1a Receive Volume Control Performance 8N NB limit | OK | Speech Level [dB[SPL]] | 90.49 |
| 5.1b Receive Volume Control Performance 2N NB | OK | Speech Level [dB[SPL]] | 87.17 |



Overall Receive Delay NB

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



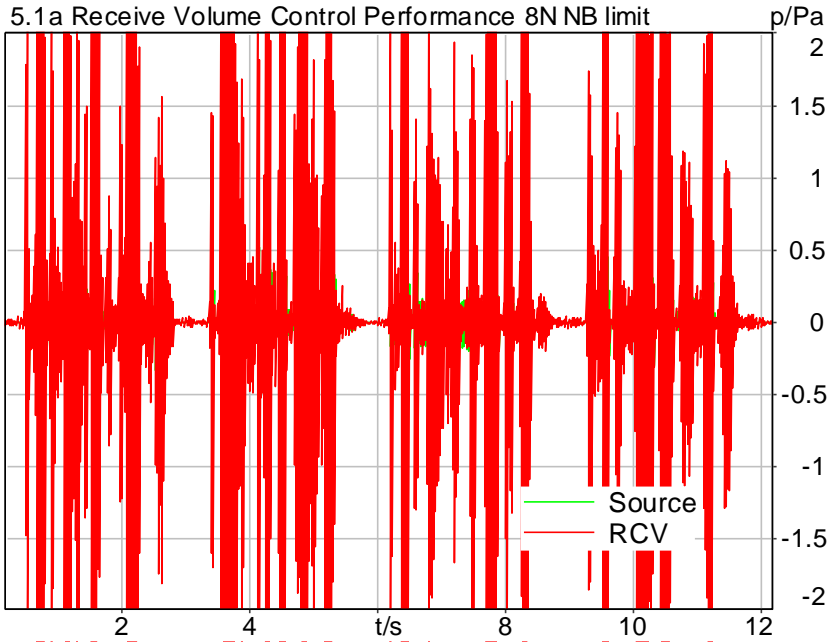
| Channel | Delay |
|------------|----------|
| RCV*Source | 174.4 ms |

2024/5/3 上午 01:16 ACQUA 6.0.200



5.1a Receive Volume Control Performance 8N NB limit

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 90.49 dB[SPL] | 58.87% | Ok |

Ok

2024/5/3 上午 01:18 ACQUA 6.0.200

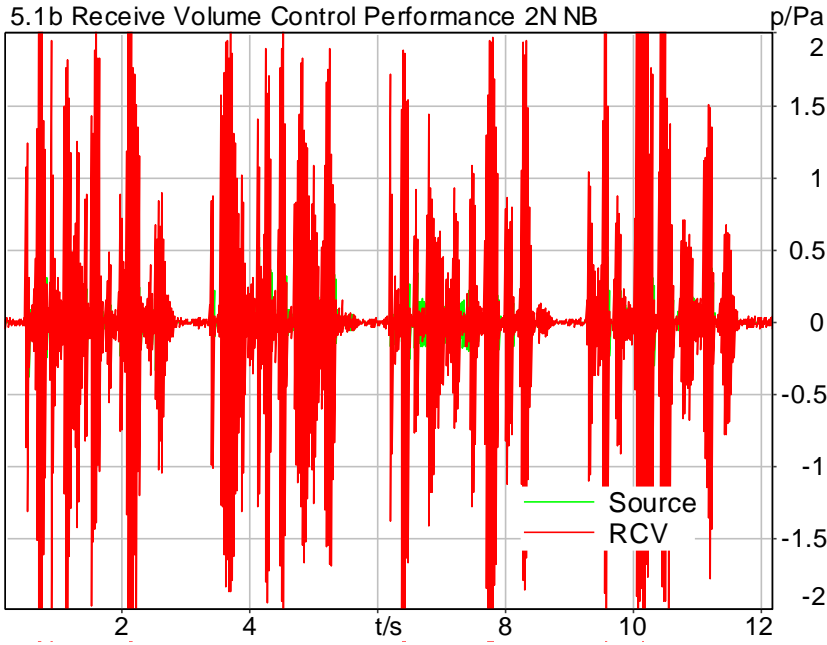
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N NB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 87.17 dB[SPL] | 45.86% | Ok |

Ok

2024/5/3 上午 01:20 ACQUA 6.0.200

Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



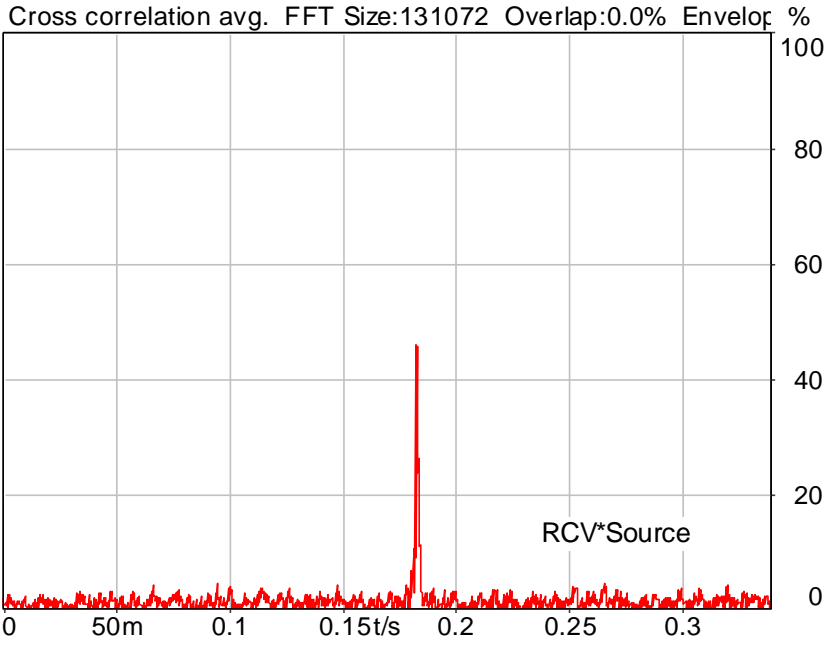
#8 Wifi 2.4GHz EVS NB 5.9kbps

| SMD | Status | Single Value Description | Single Value |
|---|--------|--------------------------|--------------|
| Overall Receive Delay NB | Done | Delay (Cross) [ms] | 182.4 |
| 5.1a Receive Volume Control Performance 8N NB | Ok | Speech Level [dB[SPL]] | 90.25 |
| 5.1b Receive Volume Control Performance 2N NB | Ok | Speech Level [dB[SPL]] | 86.99 |



Overall Receive Delay NB

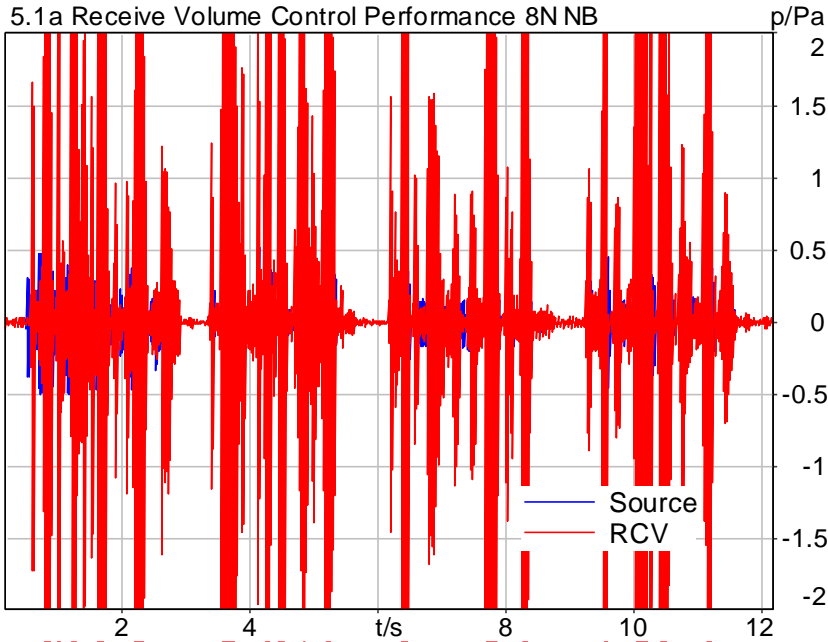
TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement



| Channel | Delay |
|------------|----------|
| RCV*Source | 182.4 ms |

5.1a Receive Volume Control Performance 8N NB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 90.25 dB[SPL] | 49.77% | Ok |

Ok

2024/4/25 下午 05:13 ACQUA 6.0.200

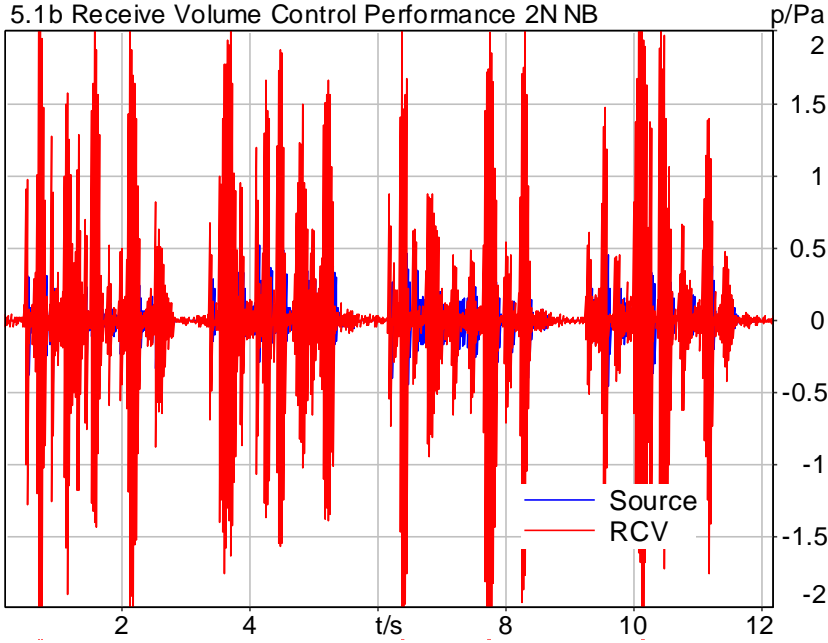
Limits

| | lower |
|-------|---------------|
| Run 1 | 76.00 dB20uPa |



5.1b Receive Volume Control Performance 2N NB

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



| Channel | Speech level | Activity | |
|---------|---------------|----------|----|
| RCV | 86.99 dB[SPL] | 32.87% | Ok |

Ok

2024/4/25 下午 05:13 ACQUA 6.0.200

Limits

| | |
|-------|---------------|
| | lower |
| Run 1 | 76.00 dB20uPa |