

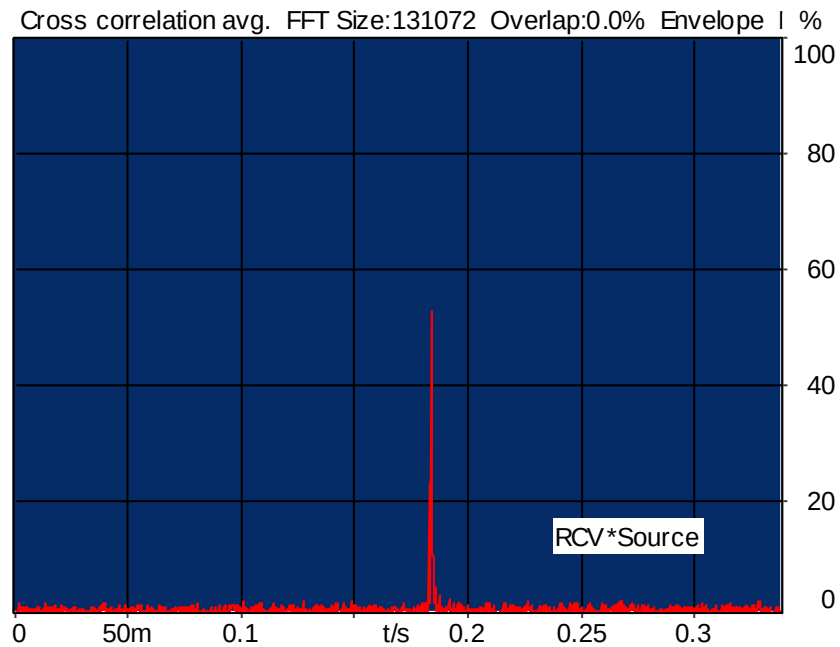
**Appendix A. Volume Control Evaluation Results****<Evaluation results for KDB 285076 D05 2.a>****#1 WiFi 6GHz EVS WB 128kbps**

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	184.5	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	83.48	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	76.99	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.00	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.00	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.42	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.50	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.76	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.20	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.83	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.20	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.34	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.62	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 2500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.32	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 3150 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.42	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.72	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.57	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.76	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.23	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.10	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.33	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.97	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.65	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.30	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.31	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.88	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.89	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.71	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.50	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.47	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.01	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 649.1 Hz	0.40	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	0.44	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	0.84	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	0.82	WiFi6G 802.11ax-HE20 MCS0 EVS-WB 128kbps



Overall Receive Delay WB

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

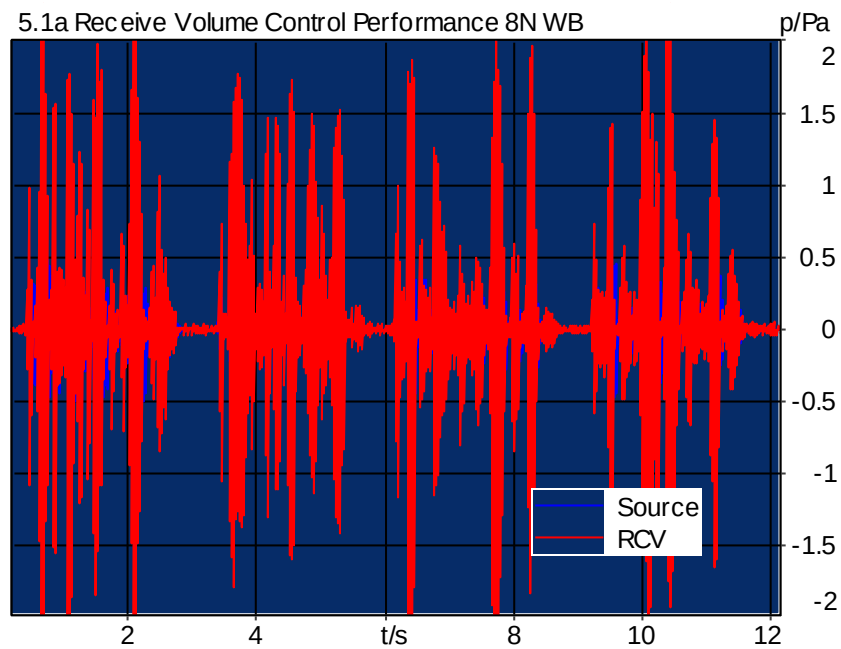


Channel	Delay	Correlation
RCV*Source	184.5 ms	52.74 %

2025-04-28 下午 11:35 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	83.48 dB[SPL]	80.17%	Ok

Ok

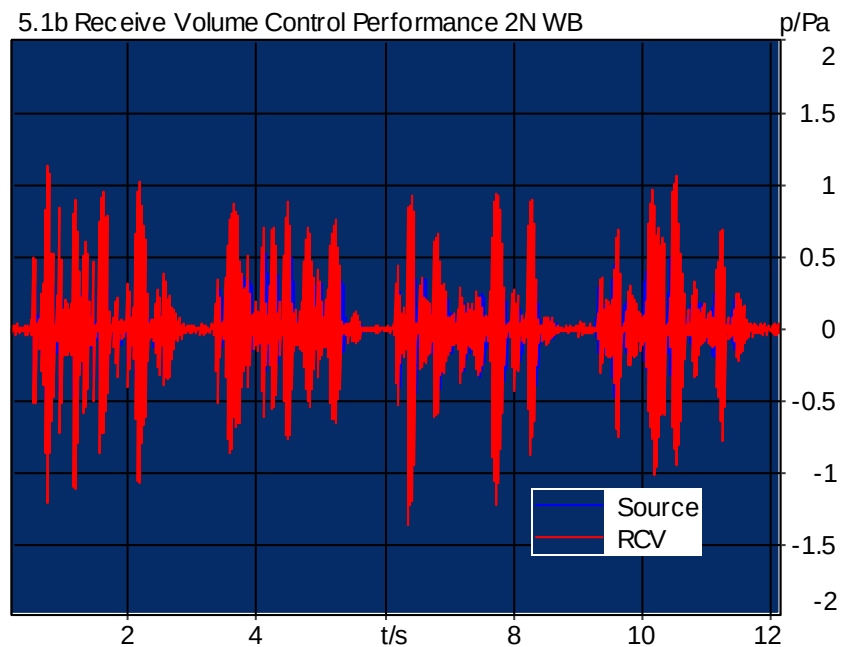
2025-04-29 上午 12:06 ACQUA 6.1.110

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	76.99 dB[SPL]	80.01%	Ok

Ok

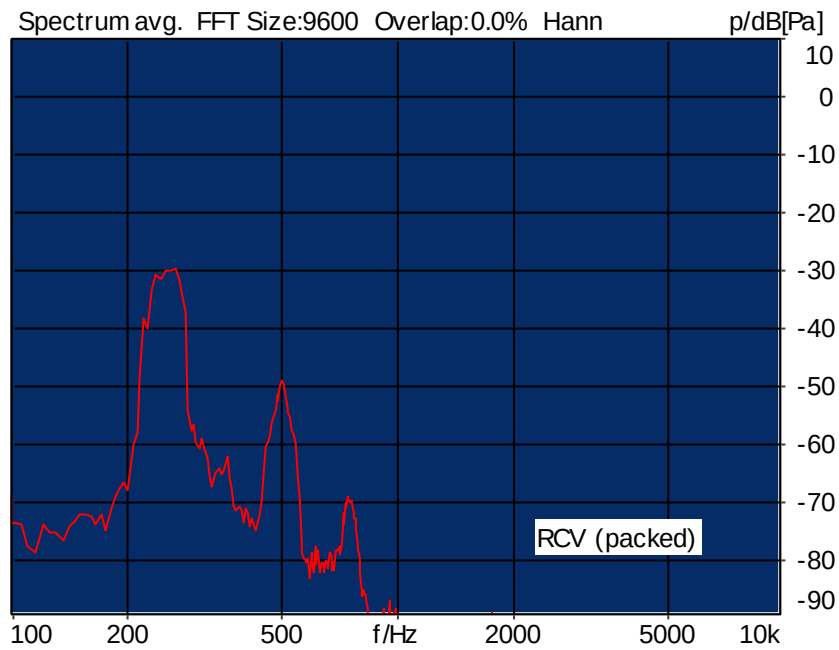
2025-04-29 上午 12:04 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 250 Hz 8N WB

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



Distortion (Noise) RCV (packed): 23.00 dB (7.08%) Ok

Ok

2025-04-28 下午 11:19 ACQUA 6.1.110

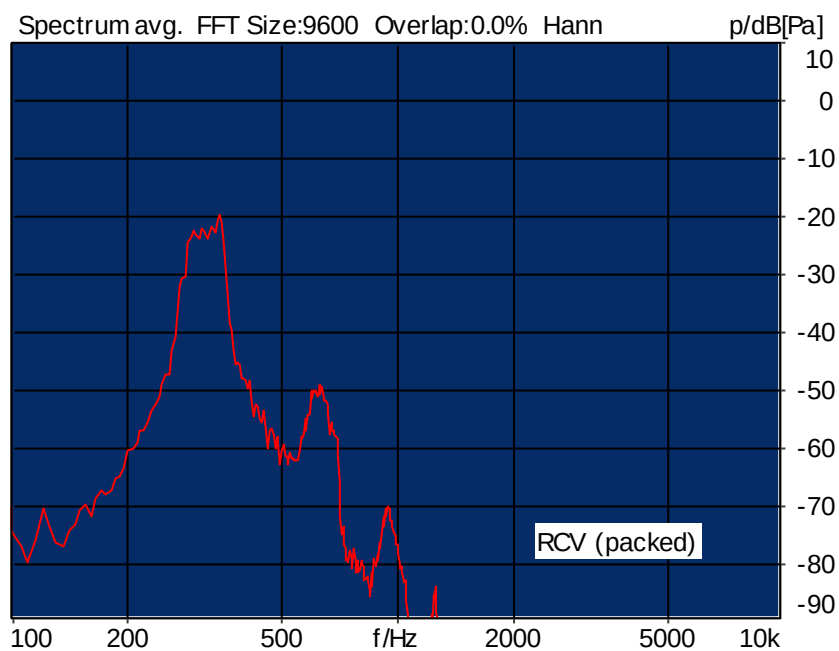
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz 8N WB

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



Distortion (Noise) RCV (packed): 28.00 dB (3.98%) Ok

Ok

2025-04-28 下午 11:55 ACQUA 6.1.110

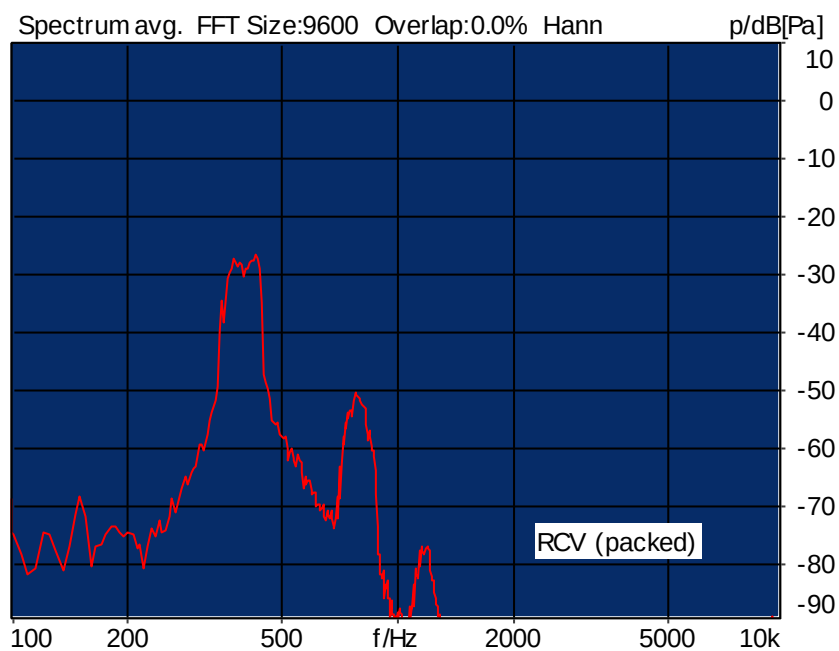
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 400 Hz 8N WB

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



Distortion (Noise) RCV (packed): 23.42 dB (6.74%) Ok

Ok

2025-04-28 下午 11:20 ACQUA 6.1.110

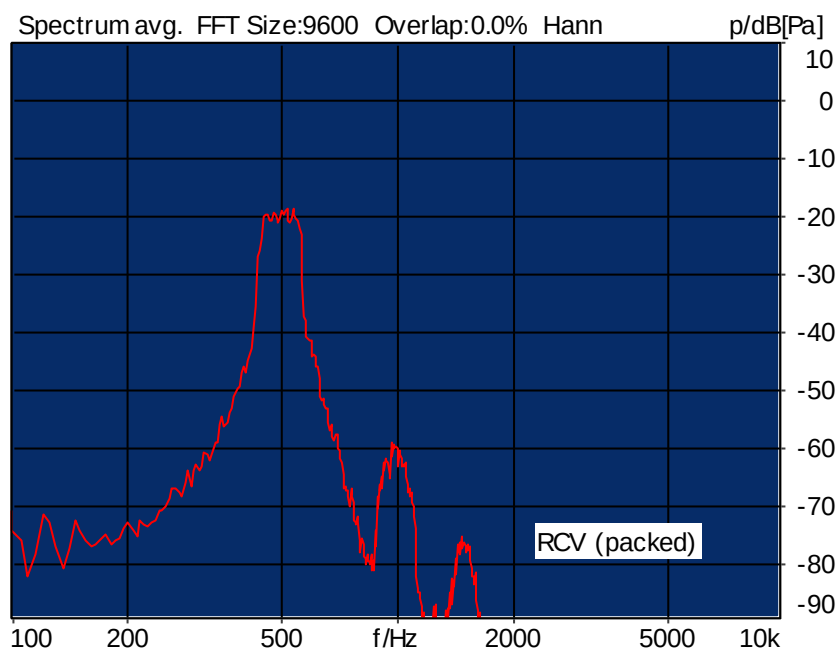
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz 8N WB

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



Distortion (Noise) RCV (packed): 30.50 dB (2.98%) Ok

Ok

2025-04-28 下午 11:56 ACQUA 6.1.110

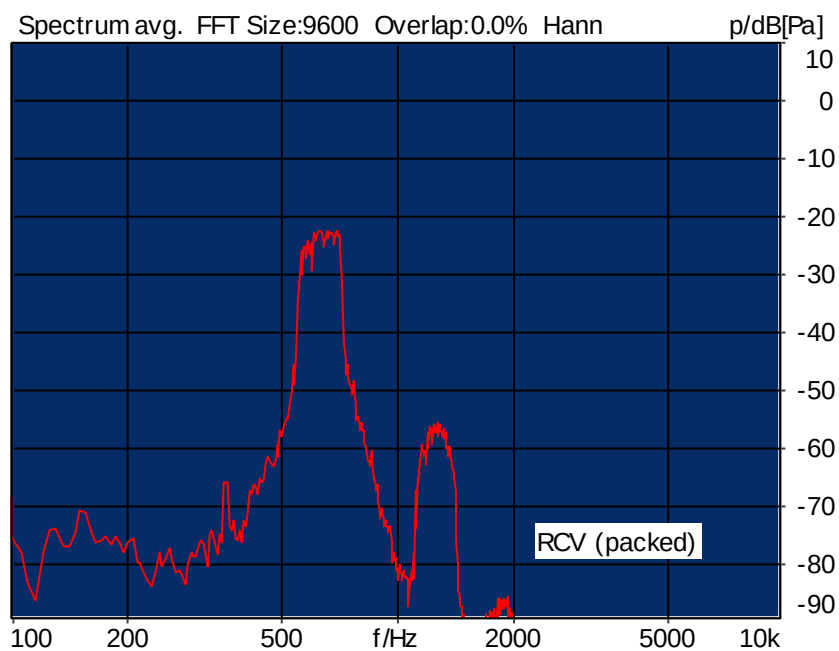
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz 8N WB

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



Distortion (Noise) RCV (packed): 28.76 dB (3.65%) Ok

Ok

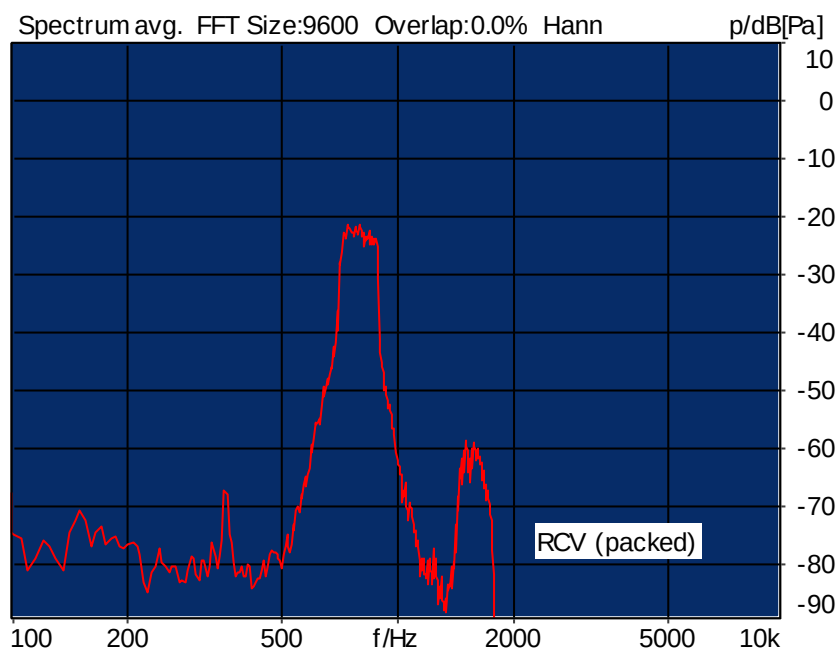
2025-04-28 下午 11:21 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 8N WB

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



Distortion (Noise) RCV (packed): 30.20 dB (3.09%) Ok

Ok

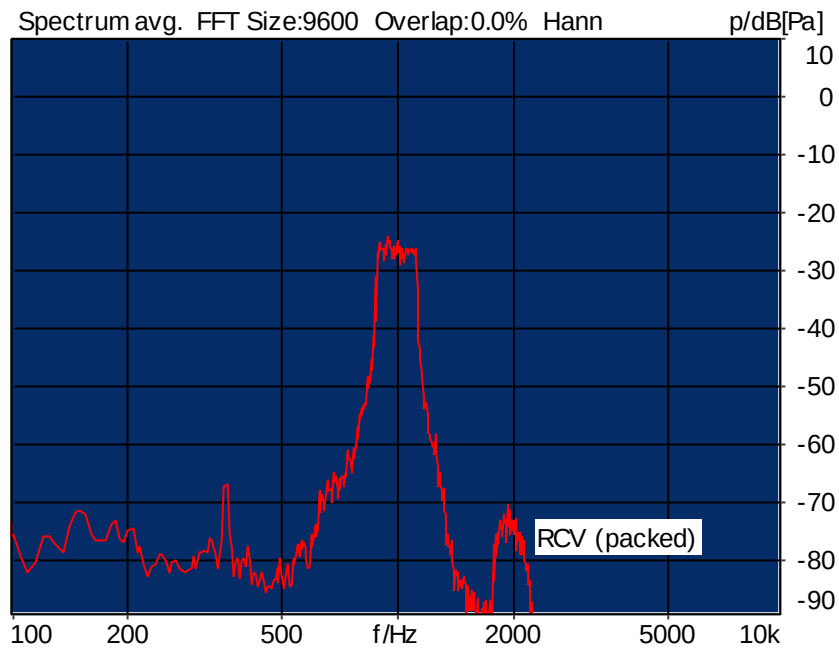
2025-04-28 下午 11:22 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 28.83 dB (3.62%) Ok

Ok

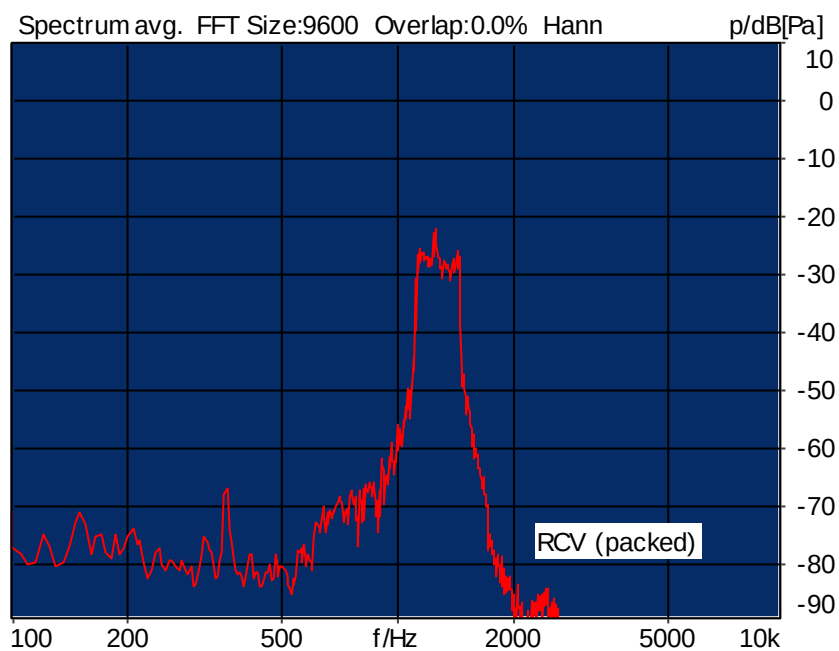
2025-04-28 下午 11:22 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N WB

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



Distortion (Noise) RCV (packed): 24.20 dB (6.16%) Ok

Ok

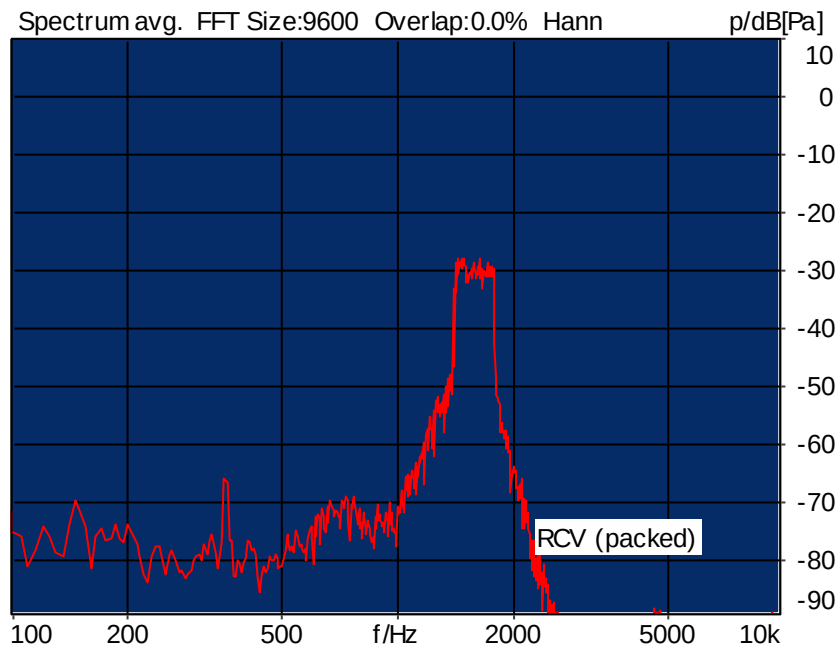
2025-04-28 下午 11:23 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 8N WB

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



Distortion (Noise) RCV (packed): 24.34 dB (6.06%) Ok

Ok

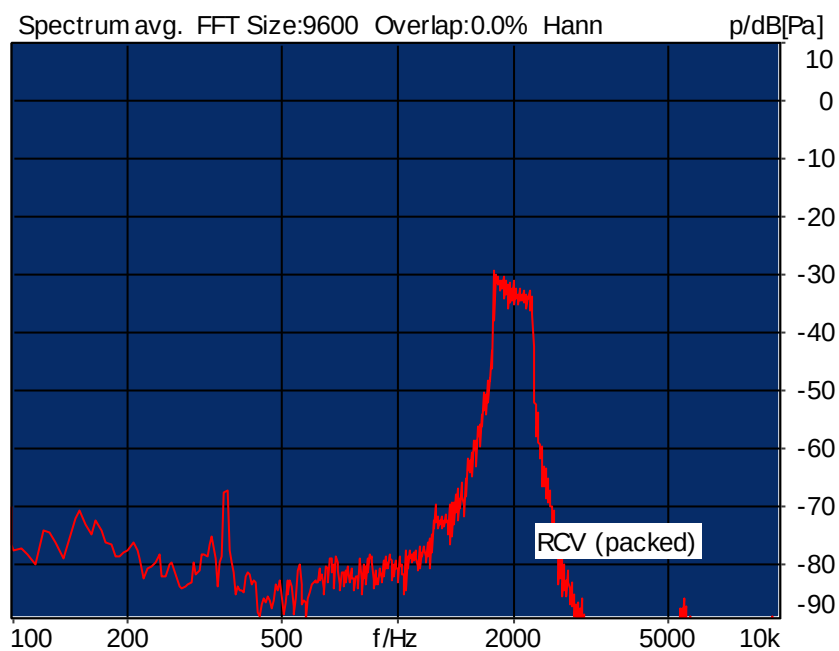
2025-04-28 下午 11:24 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 22.62 dB (7.40%) Ok

Ok

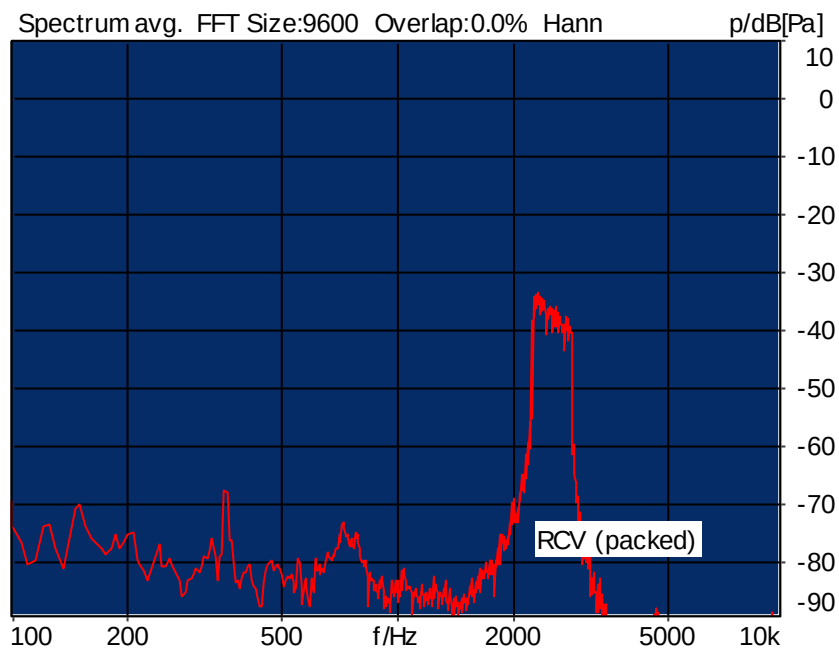
2025-04-28 下午 11:24 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N WB

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



Distortion (Noise) RCV (packed): 29.32 dB (3.42%) Ok

Ok

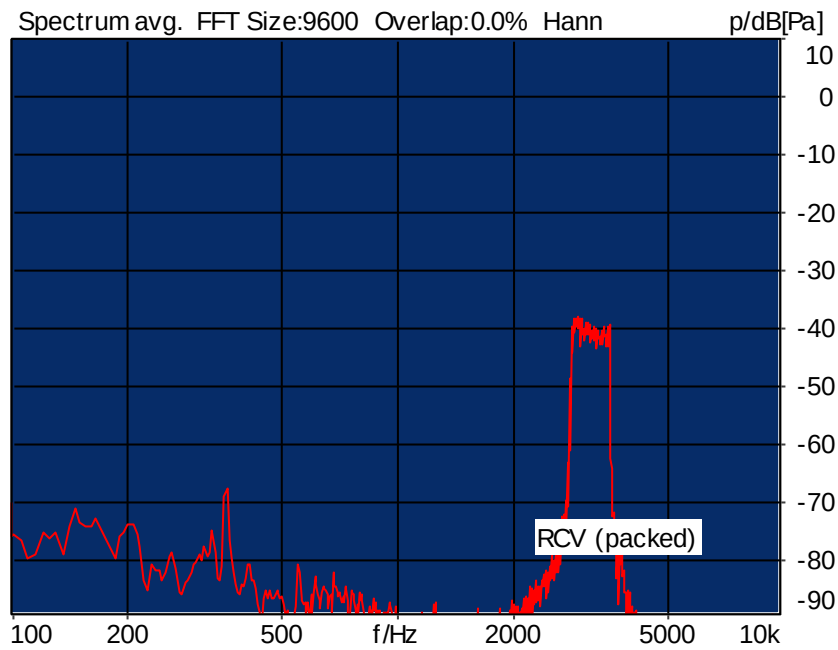
2025-04-28 下午 11:25 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 8N WB

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



Distortion (Noise) RCV (packed): 32.42 dB (2.39%) Ok

Ok

2025-04-28 下午 11:25 ACQUA 6.1.110

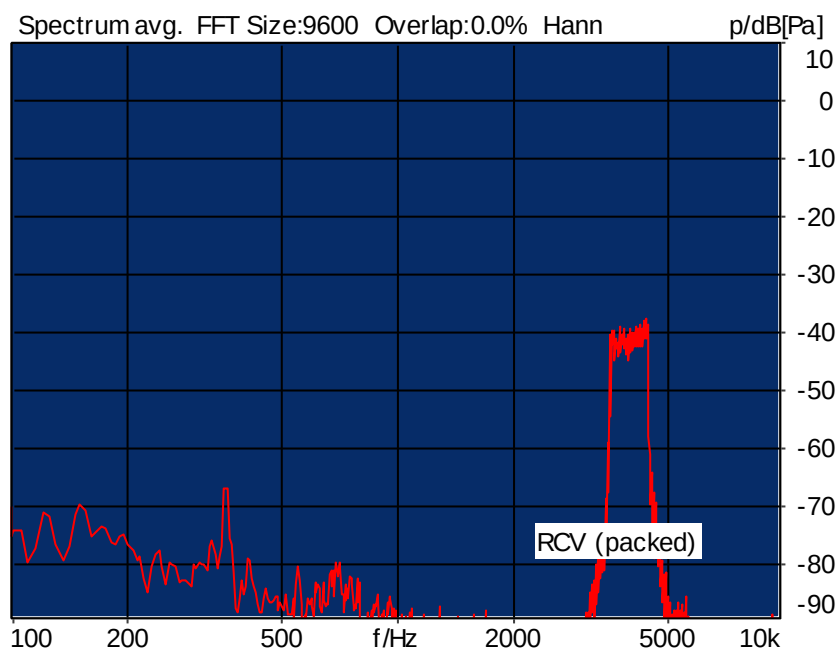
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 4000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 31.72 dB (2.59%) Ok

Ok

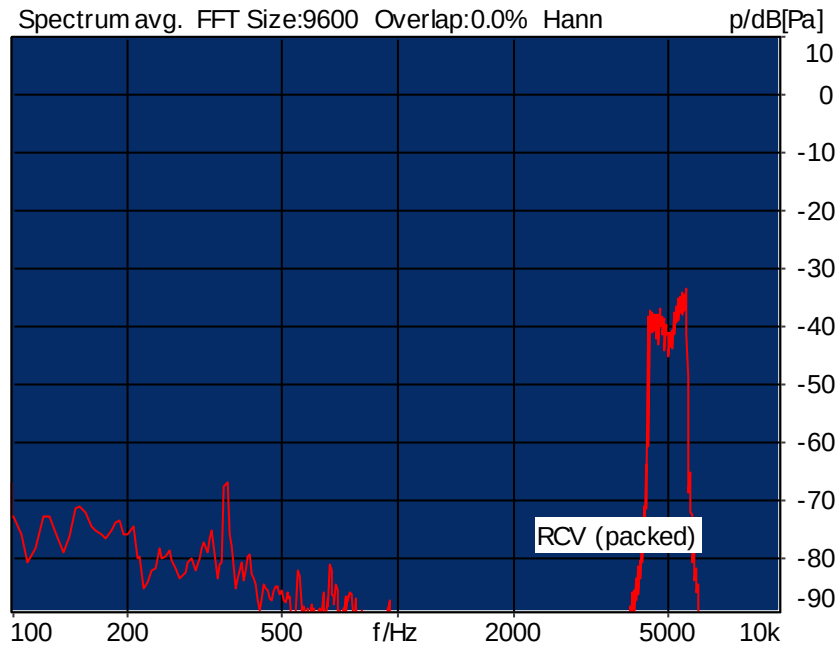
2025-04-28 下午 11:26 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 5000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 35.57 dB (1.67%) Ok

Ok

2025-04-28 下午 11:27 ACQUA 6.1.110

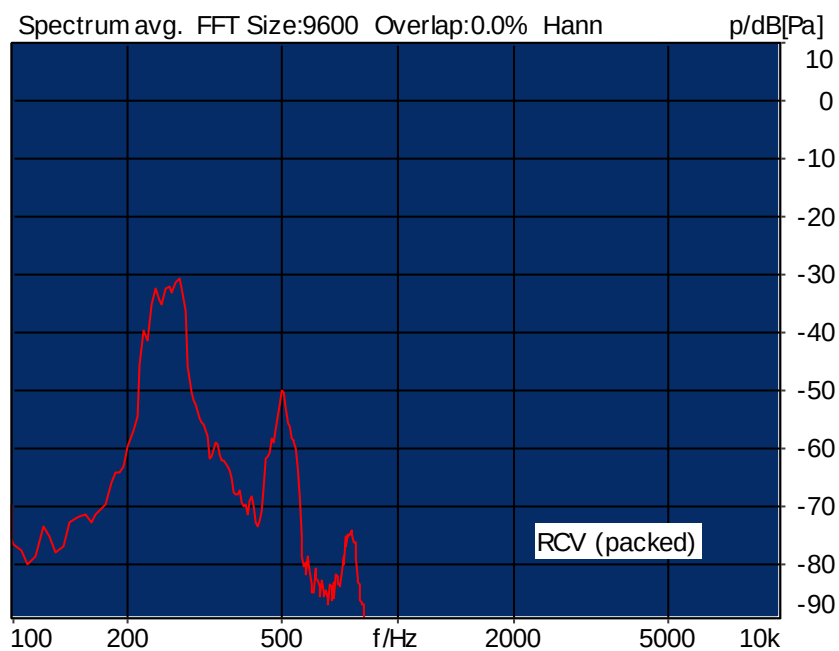
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 250 Hz 2N WB

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



Distortion (Noise) RCV (packed): 22.76 dB (7.27%) Ok

Ok

2025-04-28 下午 11:49 ACQUA 6.1.110

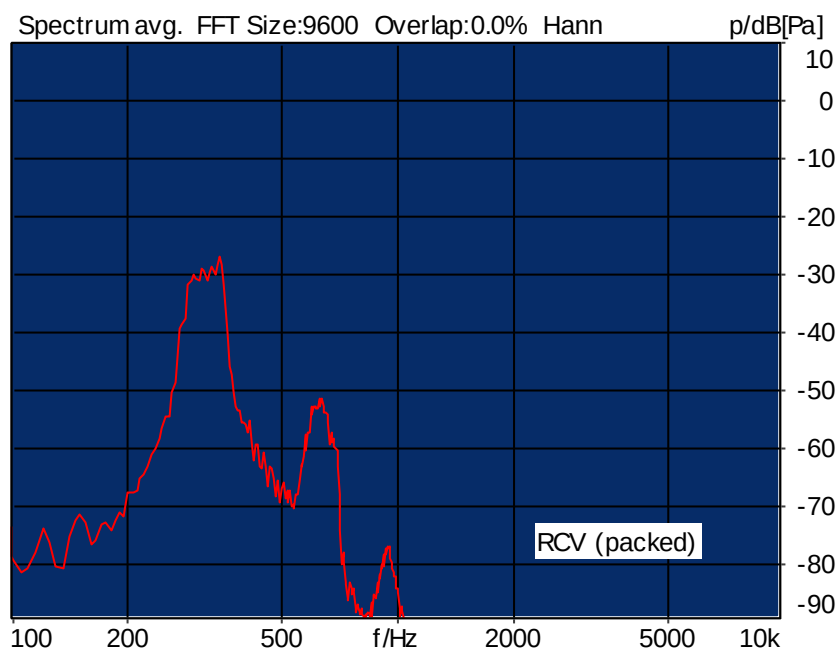
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz 2N WB

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



Distortion (Noise) RCV (packed): 24.23 dB (6.14%) Ok

Ok

2025-04-28 下午 11:49 ACQUA 6.1.110

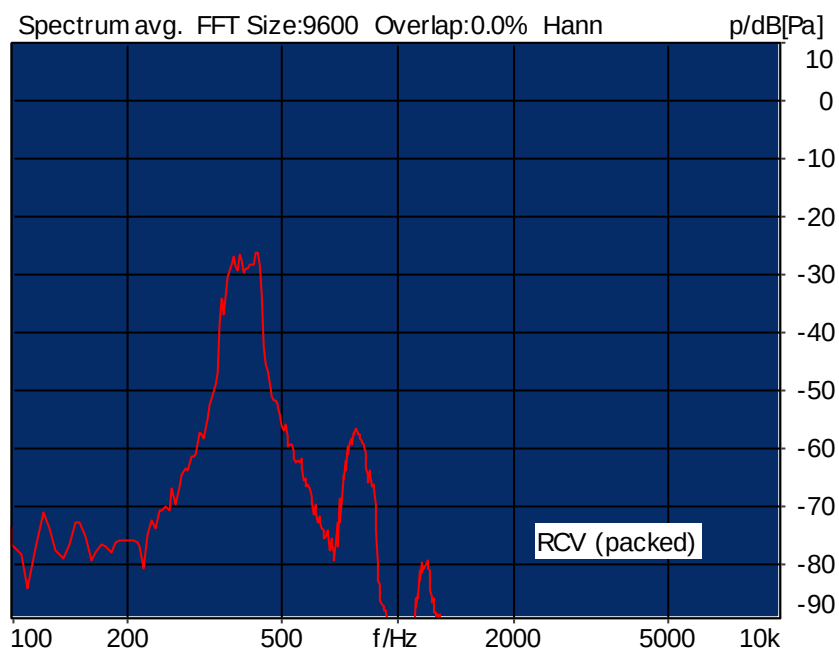
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 400 Hz 2N WB

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



Distortion (Noise) RCV (packed): 28.10 dB (3.94%) Ok

Ok

2025-04-28 下午 11:50 ACQUA 6.1.110

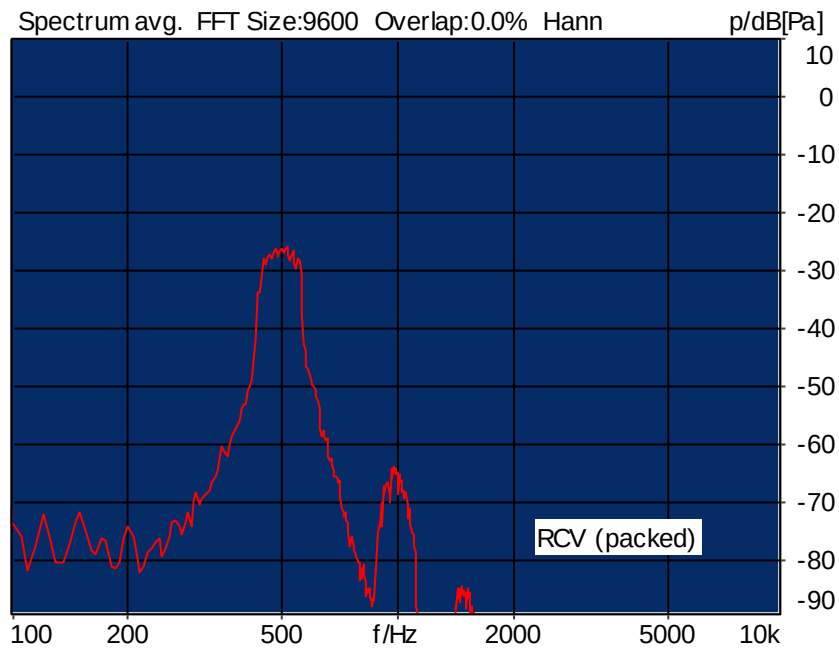
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz 2N WB

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



Distortion (Noise) RCV (packed): 29.33 dB (3.42%) Ok

Ok

2025-04-28 下午 11:51 ACQUA 6.1.110

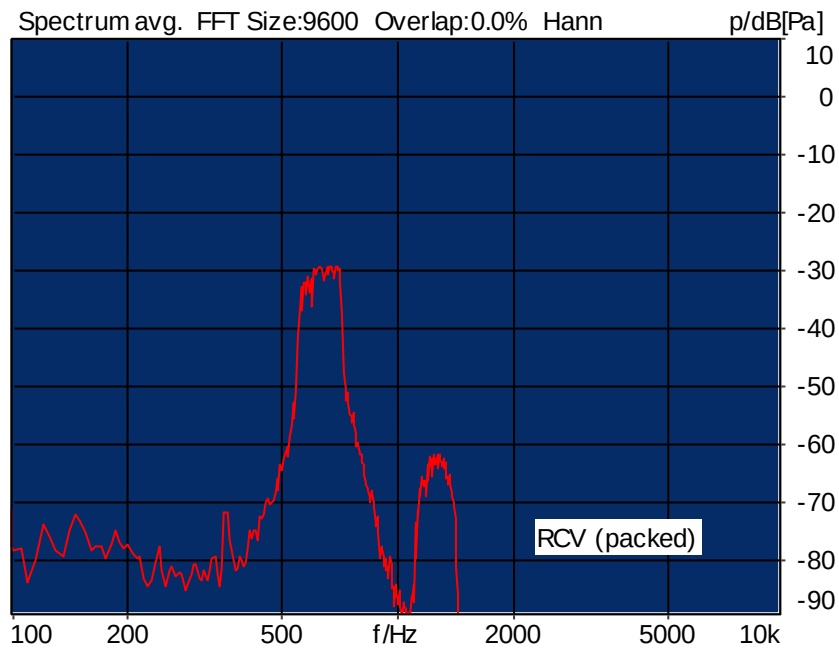
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz 2N WB

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



Distortion (Noise) RCV (packed): 27.97 dB (4.00%) Ok

Ok

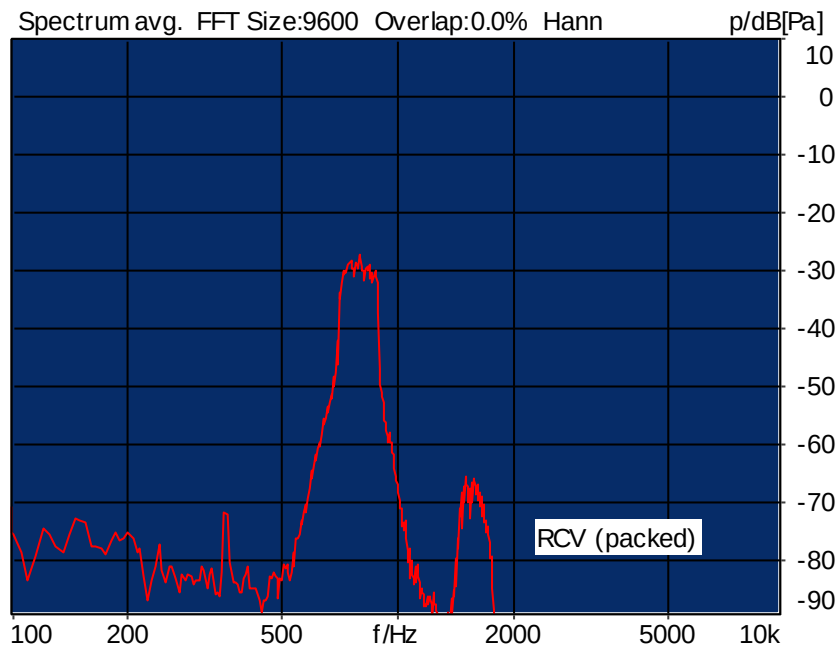
2025-04-28 下午 11:41 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 2N WB

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



Distortion (Noise) RCV (packed): 29.65 dB (3.29%) Ok

Ok

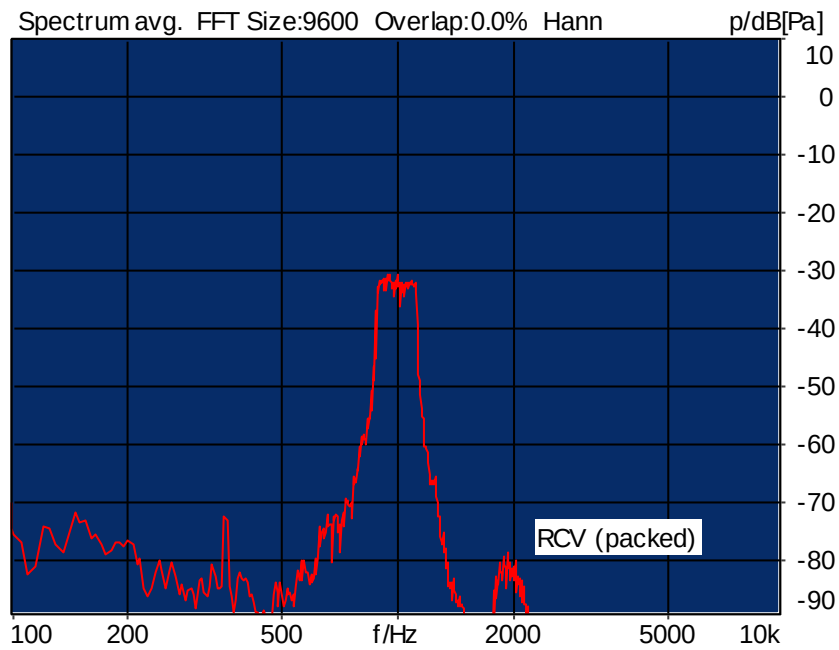
2025-04-28 下午 11:42 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 29.30 dB (3.43%) Ok

Ok

2025-04-28 下午 11:42 ACQUA 6.1.110

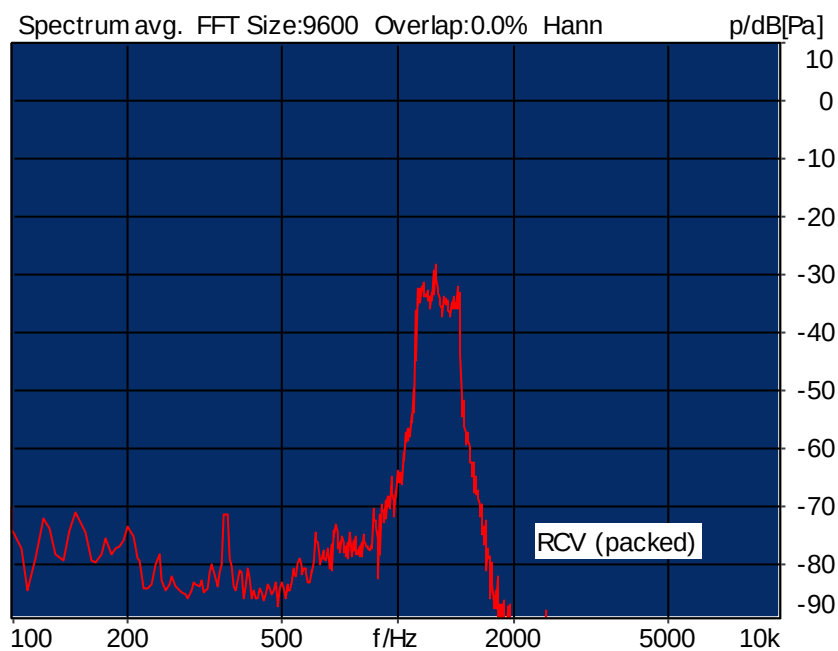
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1250 Hz 2N WB

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



Distortion (Noise) RCV (packed): 23.31 dB (6.83%) Ok

Ok

2025-04-28 下午 11:43 ACQUA 6.1.110

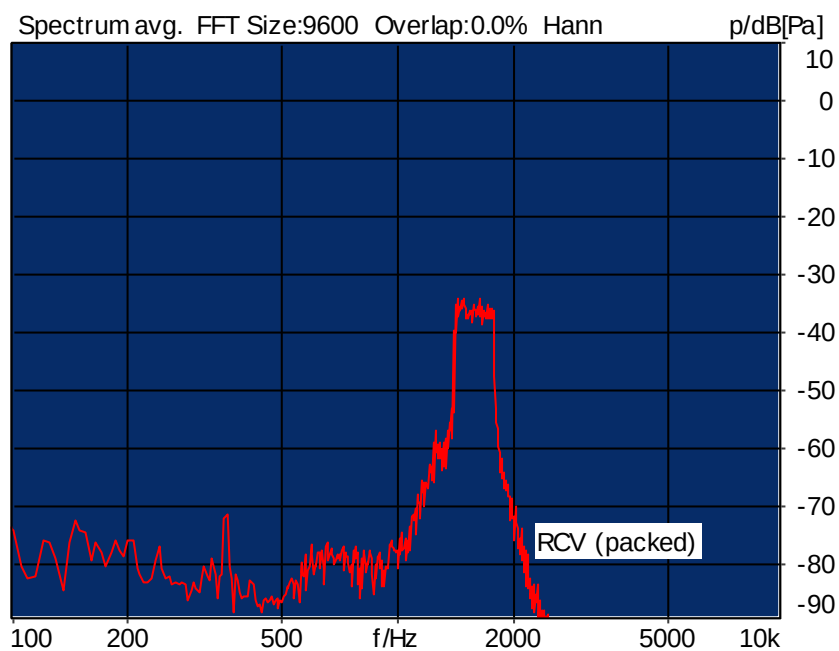
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz 2N WB

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



Distortion (Noise) RCV (packed): 24.88 dB (5.70%) Ok

Ok

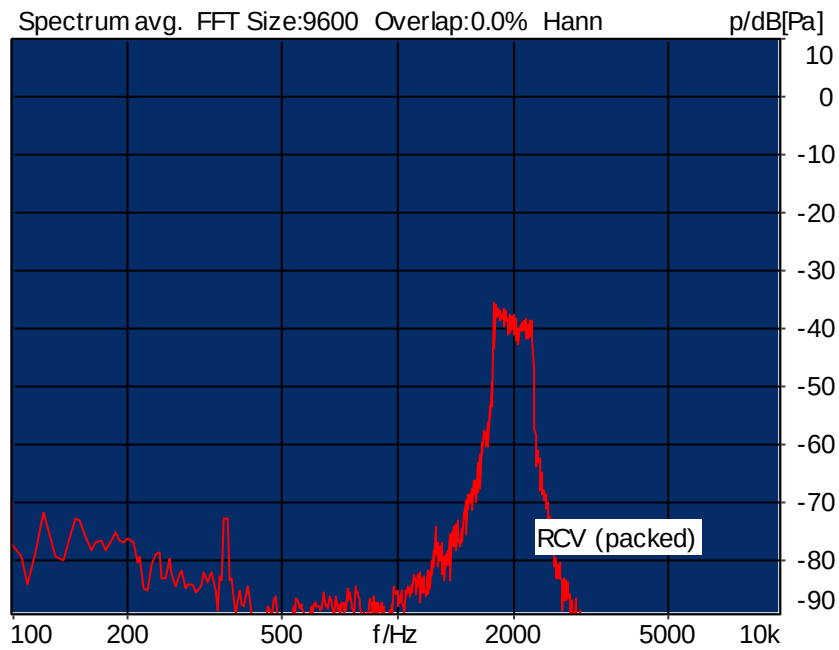
2025-04-28 下午 11:44 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 22.89 dB (7.17%) Ok

Ok

2025-04-28 下午 11:44 ACQUA 6.1.110

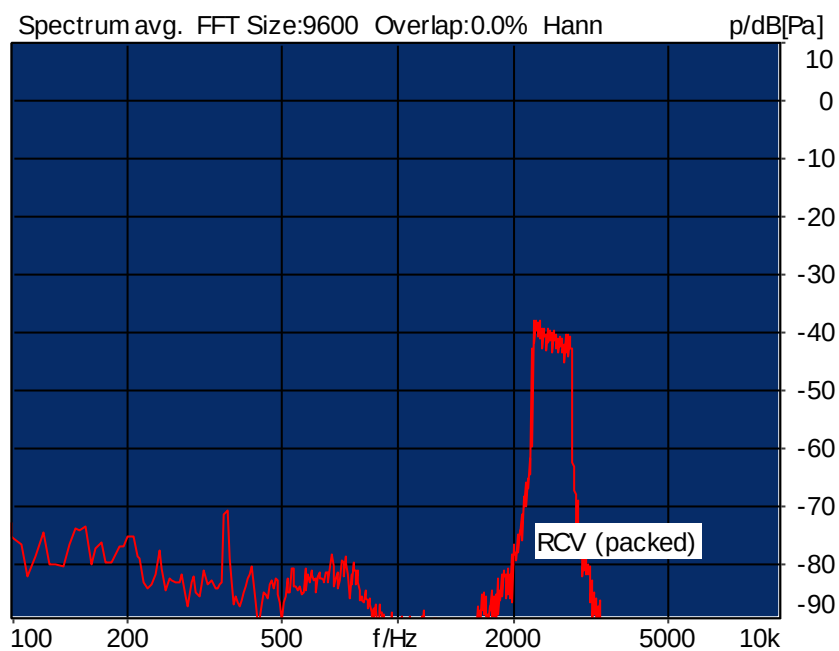
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 2500 Hz 2N WB

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



Distortion (Noise) RCV (packed): 29.71 dB (3.27%) Ok

Ok

2025-04-28 下午 11:45 ACQUA 6.1.110

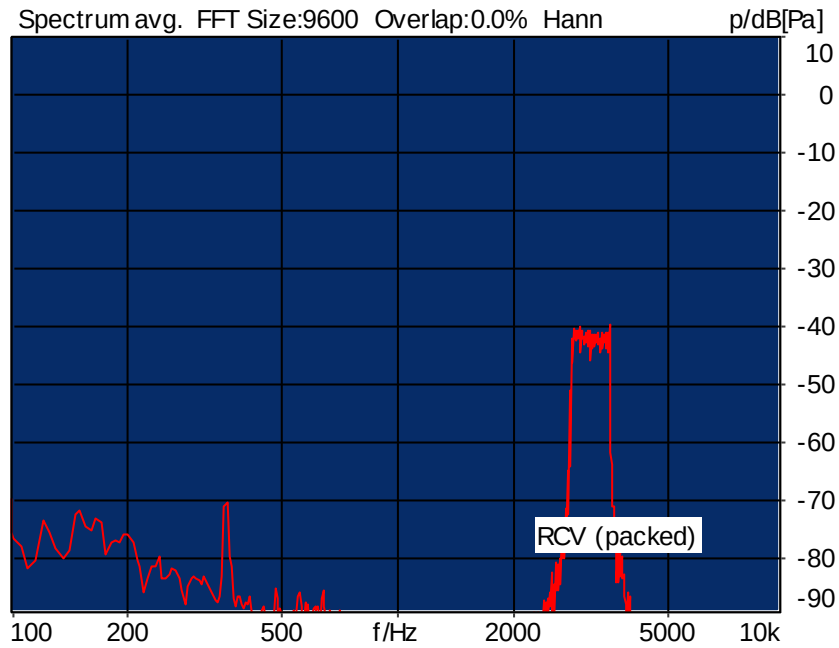
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz 2N WB

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



Distortion (Noise) RCV (packed): 32.50 dB (2.37%) Ok

Ok

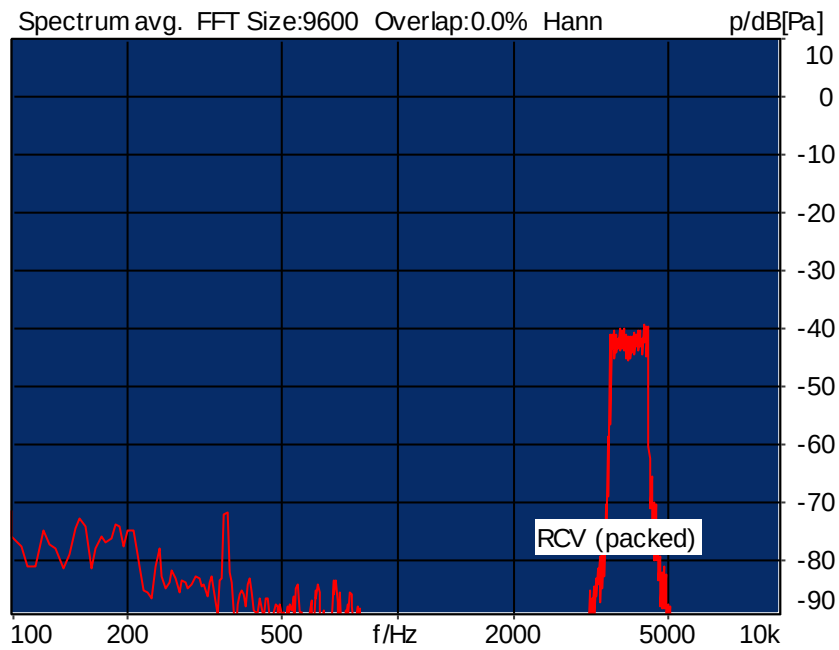
2025-04-28 下午 11:46 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 4000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 32.47 dB (2.38%) Ok

Ok

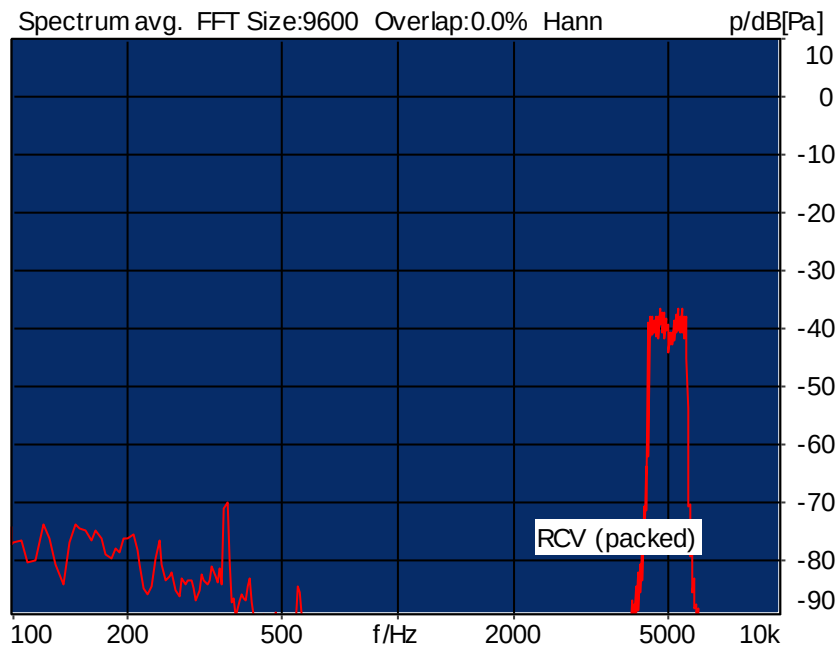
2025-04-28 下午 11:46 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 5000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 38.01 dB (1.26%) Ok

Ok

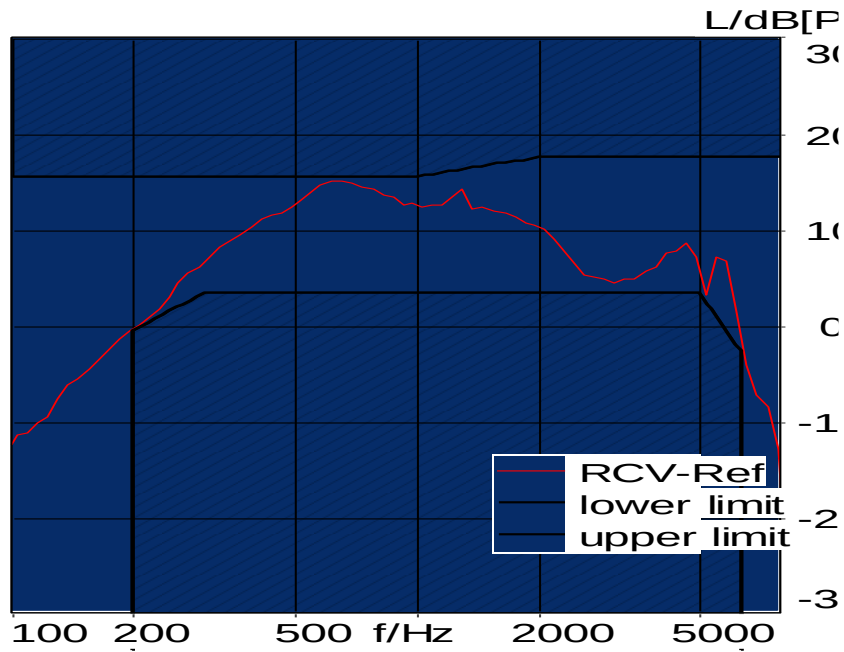
2025-04-28 下午 11:47 ACQUA 6.1.110

Limits

lower
20.00 dB

5.3 Frequency Response 8N FF

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



Absolute minimal distance

0.40 dB at 649.1 Hz Ok

Ok

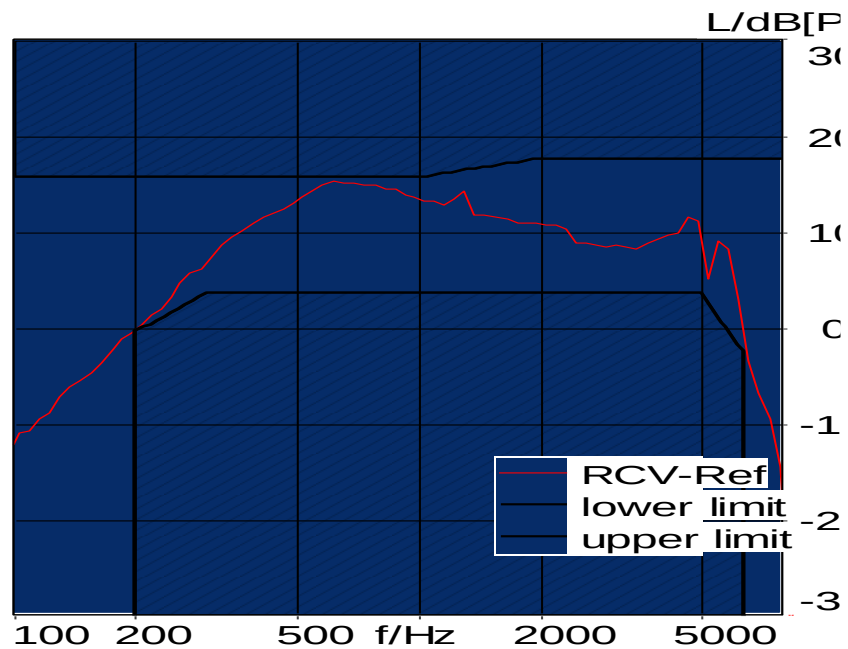
2025-04-29 上午 12:05 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 8N DF

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



Absolute minimal distance

0.44 dB at 611.7 Hz Ok

Ok

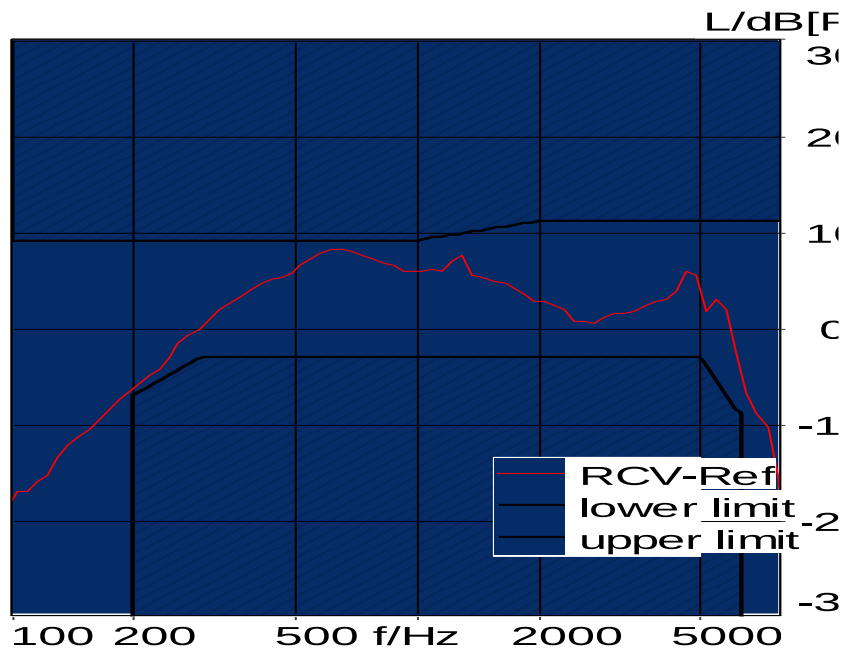
2025-04-29 上午 12:05 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N FF

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



Absolute minimal distance

0.84 dB at 611.7 Hz Ok

Ok

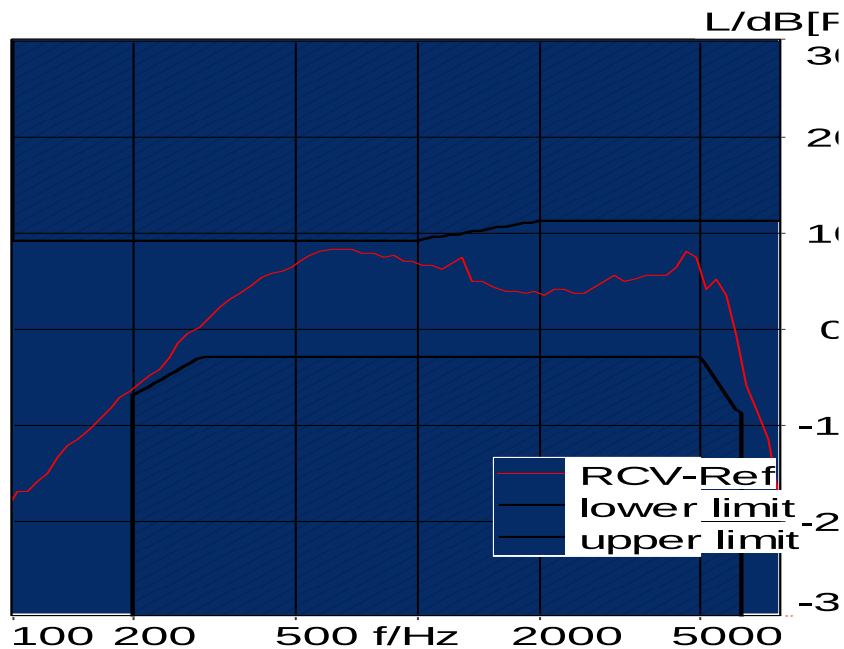
2025-04-29 上午 12:01 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF

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



Absolute minimal distance

0.82 dB at 611.7 Hz Ok

Ok

2025-04-29 上午 12:01 ACQUA 6.1.110

Limits

lower
Fit into tolerance



<Evaluation results for KDB 285076 D05 2.b>

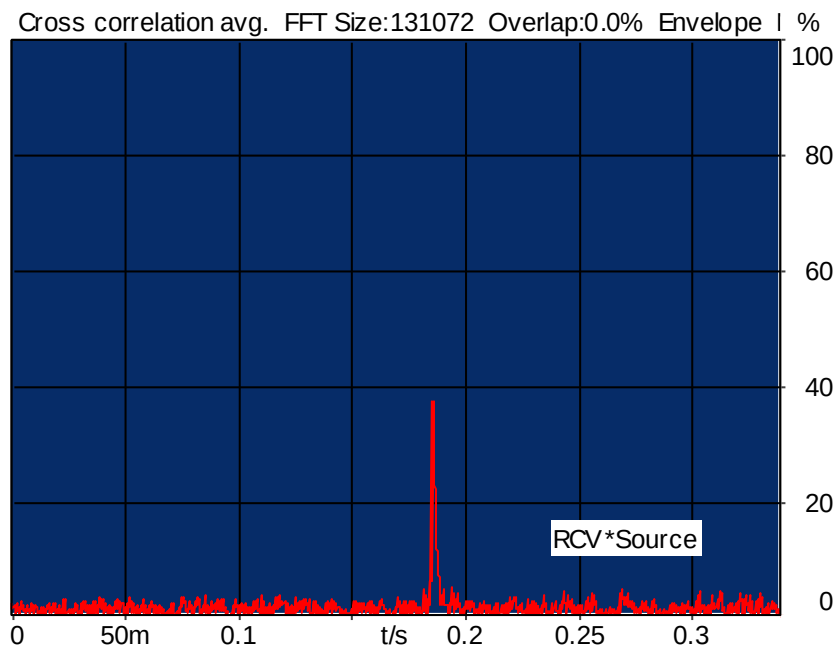
#2 WiFi 6GHz AMR NB 4.75kbps

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	186.1	WiFi6G 802.11ax-HE20 MCS0 AMR-NB 4.75kbps
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	81.99	WiFi6G 802.11ax-HE20 MCS0 AMR-NB 4.75kbps
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	76.07	WiFi6G 802.11ax-HE20 MCS0 AMR-NB 4.75kbps



Overall Receive Delay NB

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

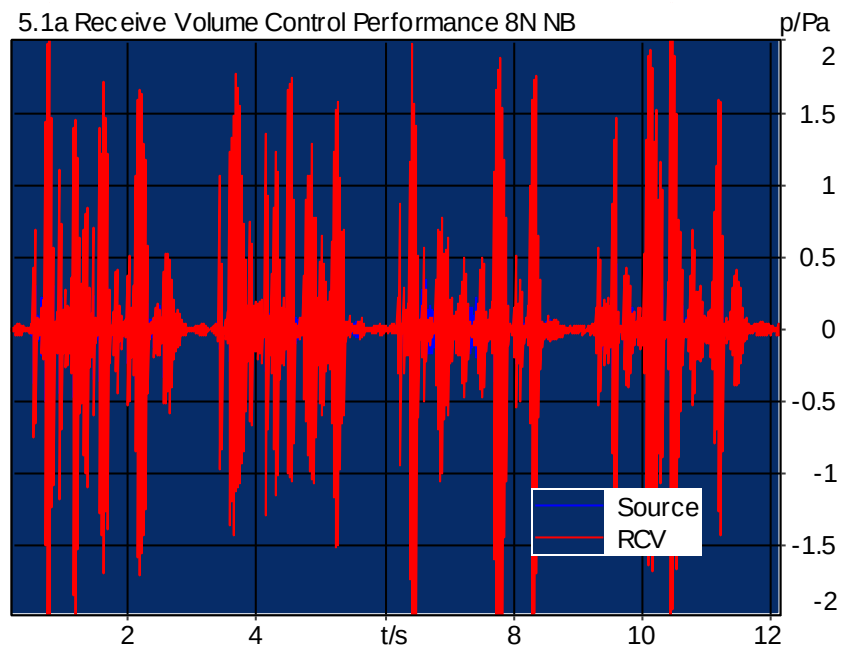


Channel	Delay	Correlation
RCV*Source	186.1 ms	37.48 %

2025-04-29 上午 01:06 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	81.99 dB[SPL]	79.96%	Ok

Ok

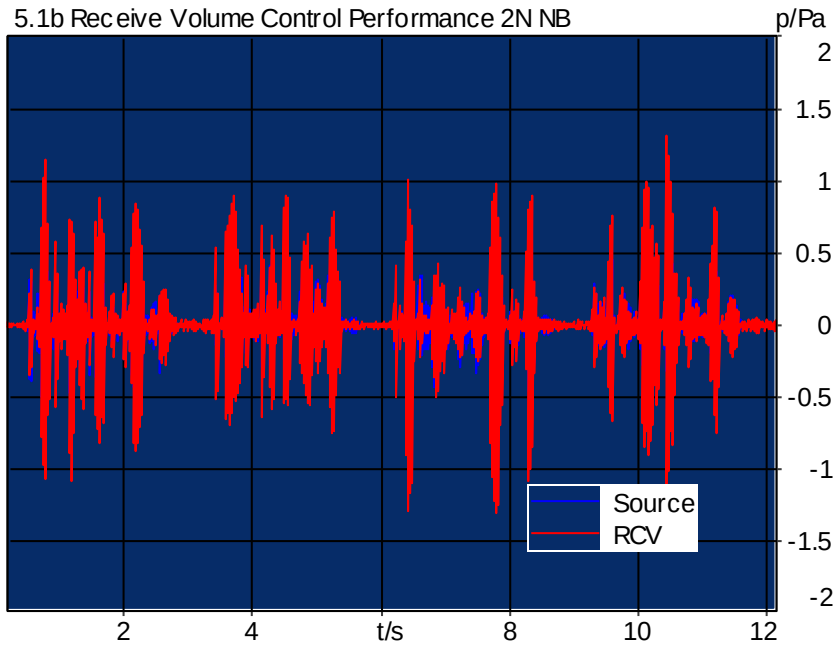
2025-04-29 上午 01:08 ACQUA 6.1.110

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	76.07 dB[SPL]	79.62%	Ok

Ok

2025-04-29 上午 01:07 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]