

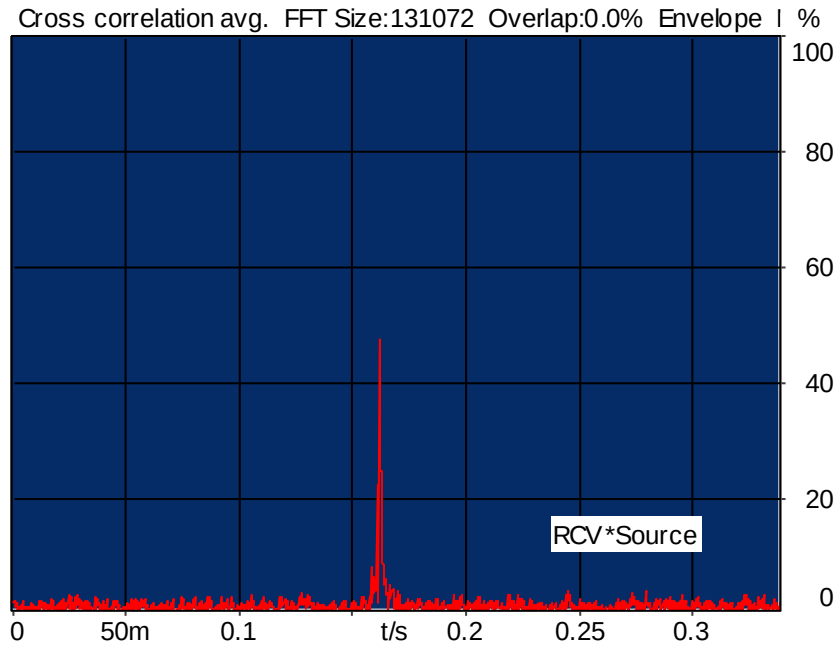
**Appendix A. Volume Control Evaluation Results****#1 WiFi 6GHz EVS WB 24.4kbps**

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	162.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.48
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.14
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.47
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.28
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.55
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.34
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.46
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.50
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.80
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.41
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.31
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.22
5.2 RCV Distortion and Noise - 2500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.97
5.2 RCV Distortion and Noise - 3150 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.80
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.17
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.75
Report - Receive Distortion and Noise (Conversational Gain) 8N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	22.22
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.73
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.99
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.08
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.82
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.01
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.10
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.39
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.02
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.02
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.92
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.77
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.25
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.19
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.53
Report - Receive Distortion and Noise (Conversational Gain) 2N WB	Ok	Minimum SDNR [dB], (occured at 630Hz)	22.01
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 689.1 Hz	2.15
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 230.2 Hz	1.74



Overall Receive Delay WB

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

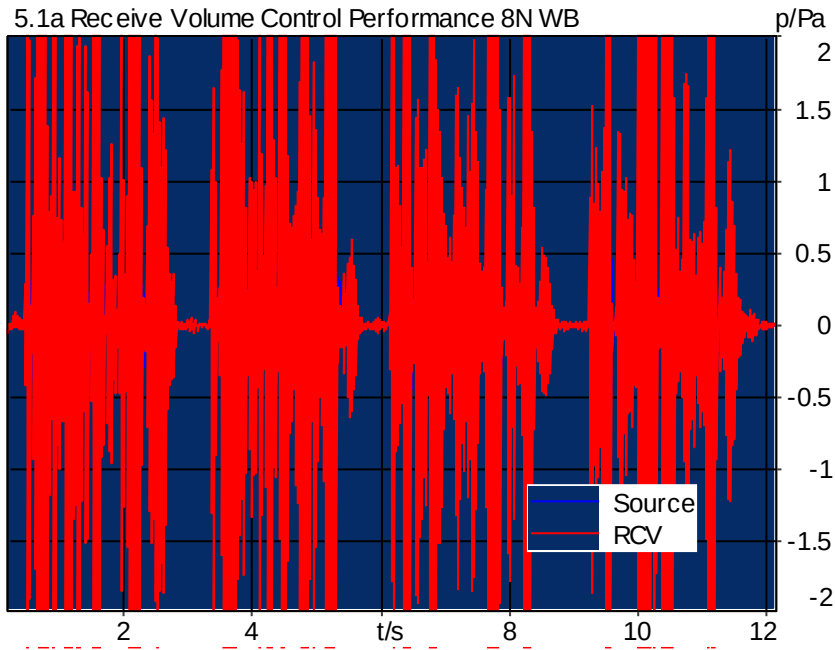


Channel	Delay	Correlation
RCV*Source	162.5 ms	47.59 %

2026-07-25 下午 03:46 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	90.48 dB[SPL]	83.78%	Ok

Ok

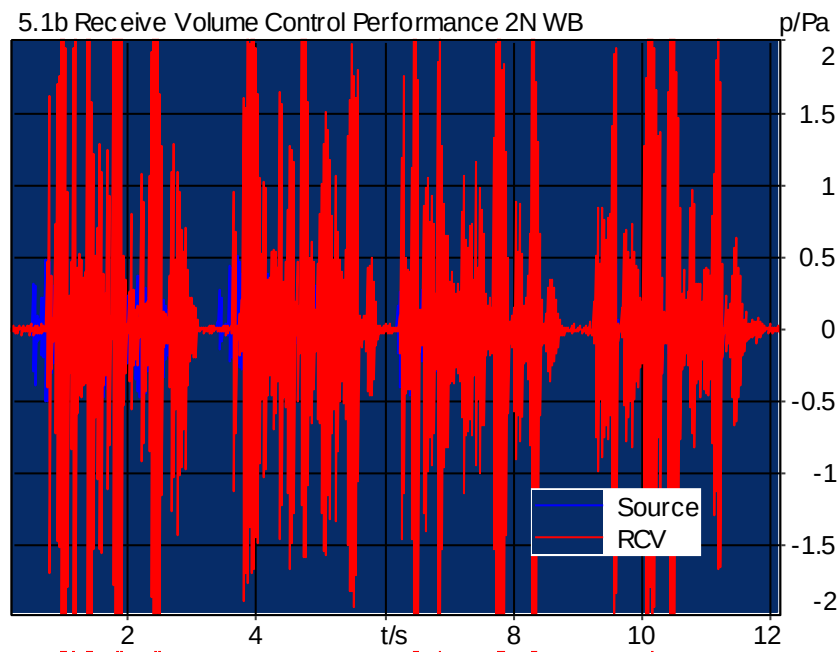
2026-07-25 下午 03:46 ACQUA 6.2.210

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	85.14 dB[SPL]	83.28%	Ok

Ok

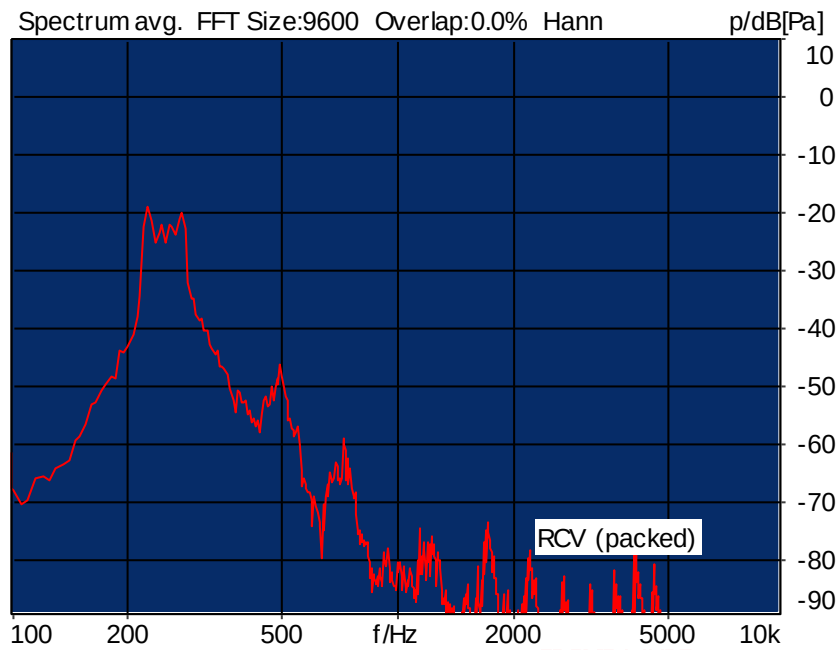
2026-07-25 下午 03:55 ACQUA 6.2.210

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): 26.47 dB (4.75%) Ok

Ok

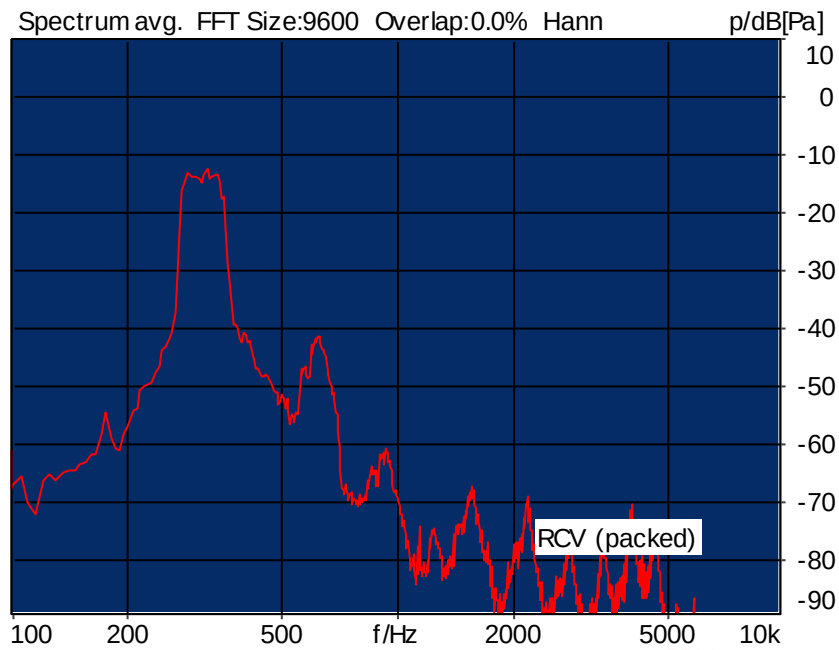
2026-07-25 下午 03:47 ACQUA 6.2.210

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): 29.28 dB (3.44%) Ok

Ok

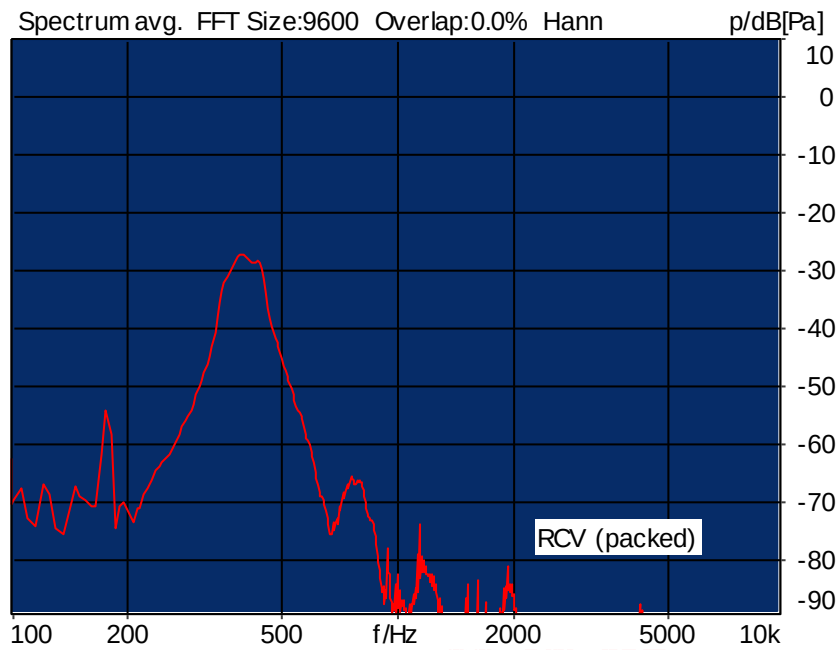
2026-07-25 下午 03:47 ACQUA 6.2.210

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): 22.55 dB (7.46%) Ok

Ok

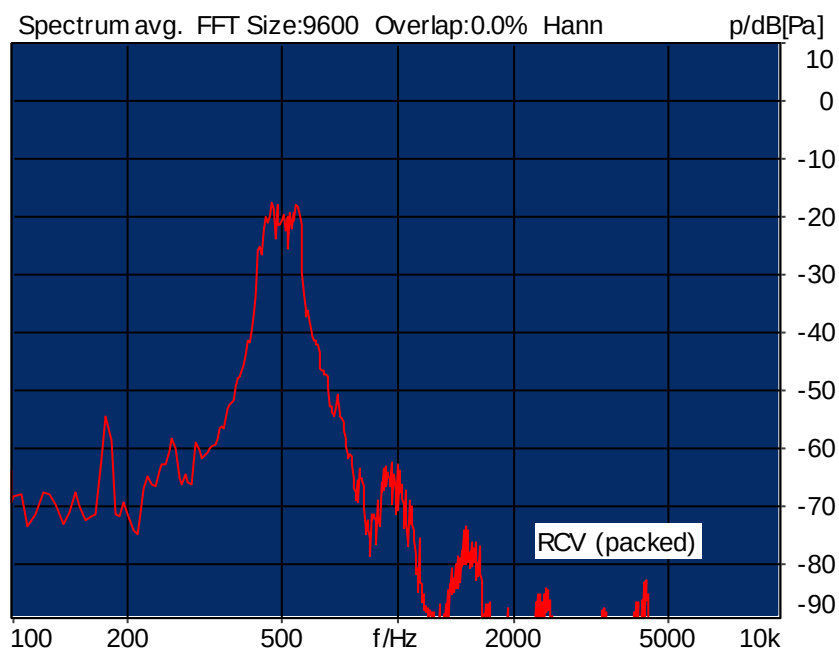
2026-07-25 下午 03:48 ACQUA 6.2.210

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): 27.34 dB (4.29%) Ok

Ok

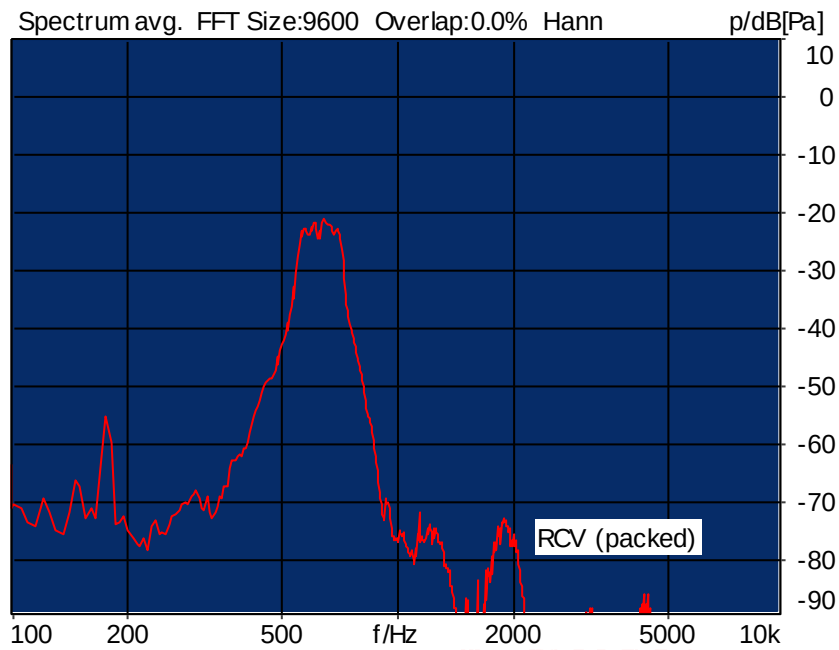
2026-07-25 下午 03:48 ACQUA 6.2.210

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): 23.46 dB (6.71%) Ok

Ok

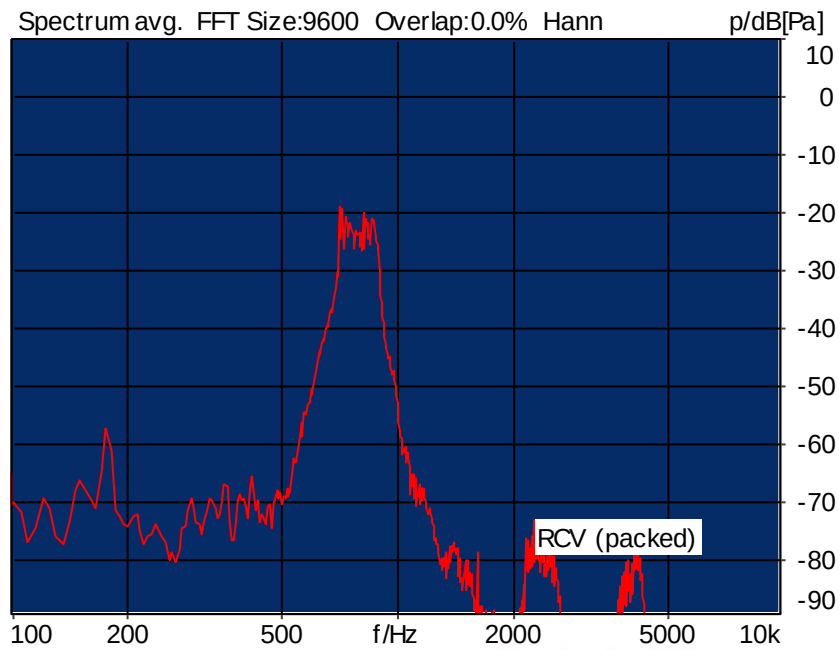
2026-07-25 下午 03:49 ACQUA 6.2.210

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): 23.50 dB (6.68%) Ok

Ok

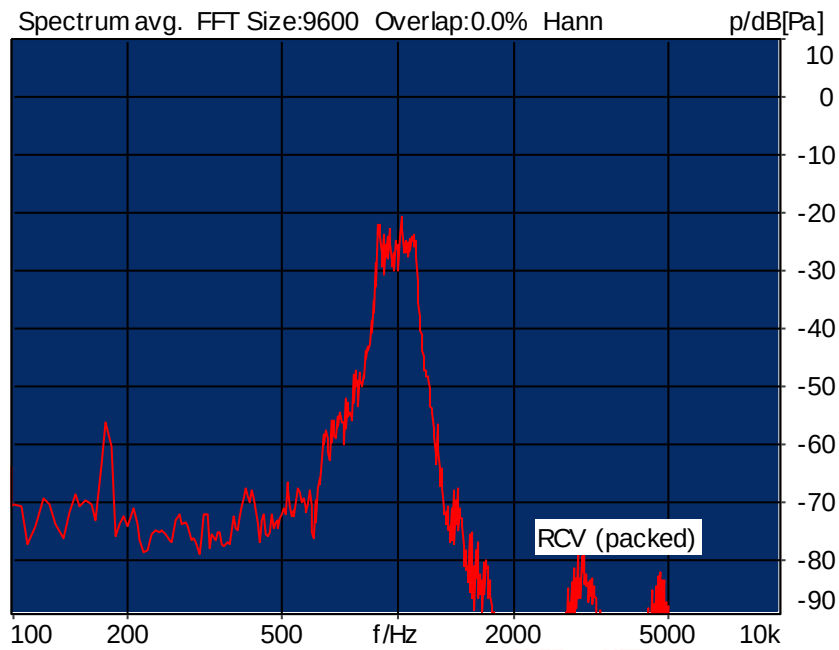
2026-07-25 下午 03:49 ACQUA 6.2.210

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): 23.80 dB (6.46%) Ok

Ok

2026-07-25 下午 03:50 ACQUA 6.2.210

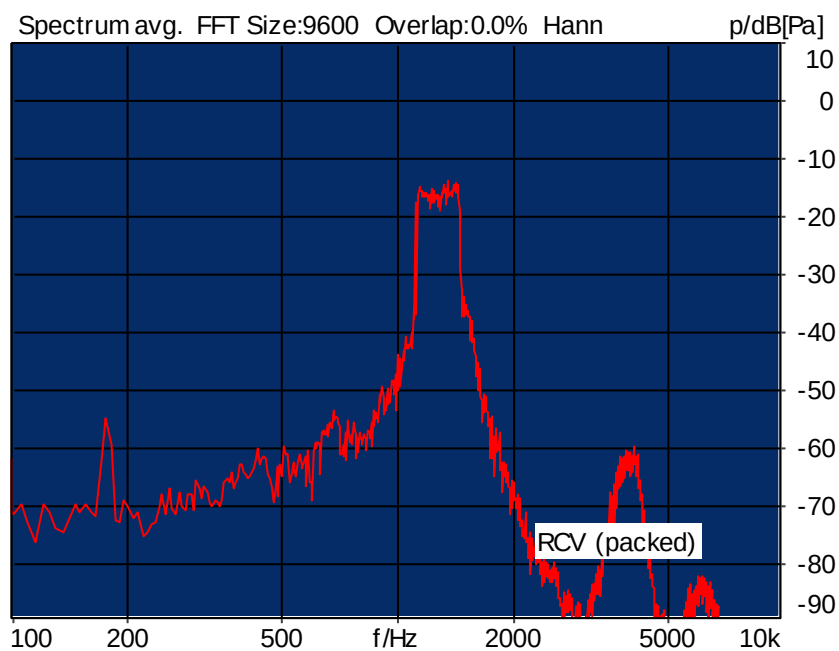
Limits

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): 22.41 dB (7.58%) Ok

Ok

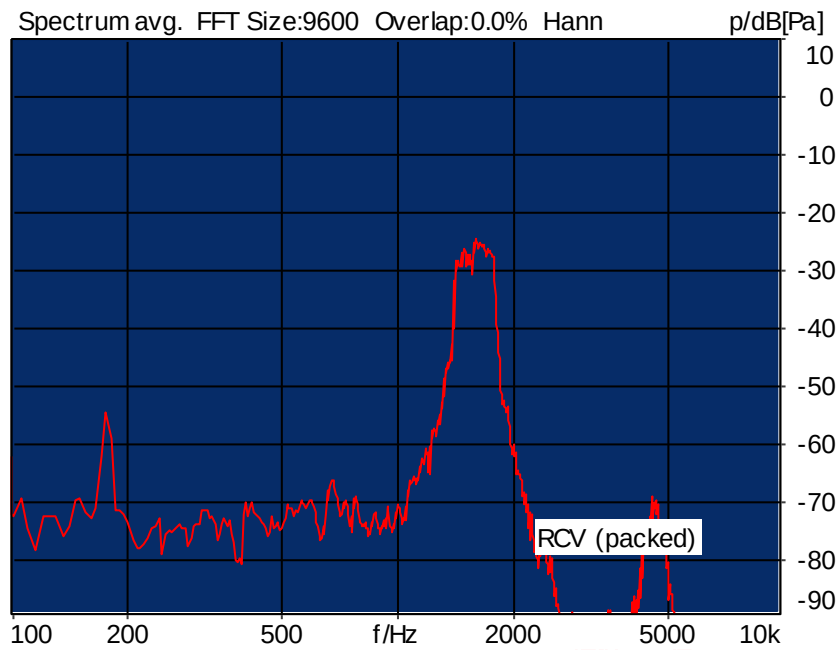
2026-07-25 下午 03:50 ACQUA 6.2.210

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): 23.31 dB (6.83%) Ok

Ok

2026-07-25 下午 03:51 ACQUA 6.2.210

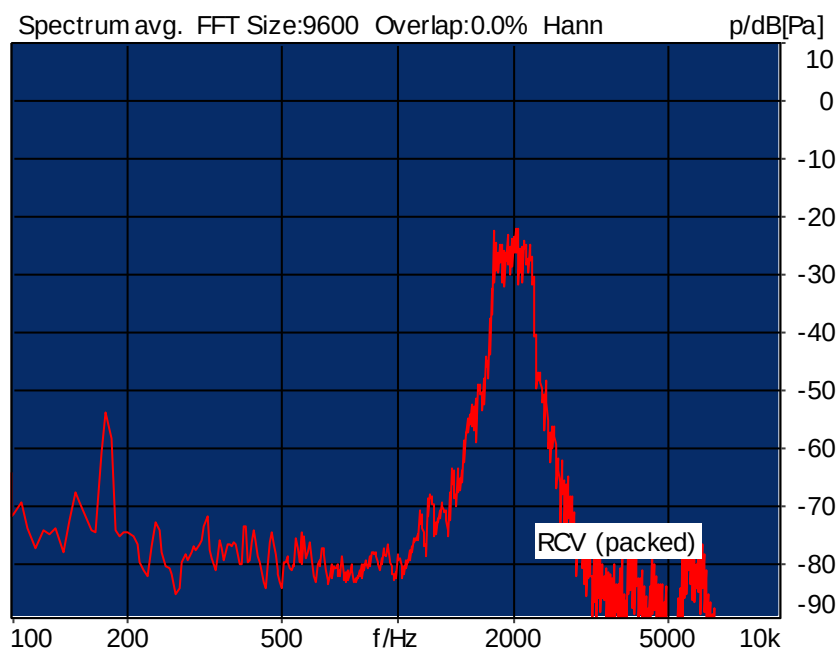
Limits

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): 22.22 dB (7.74%) Ok

Ok

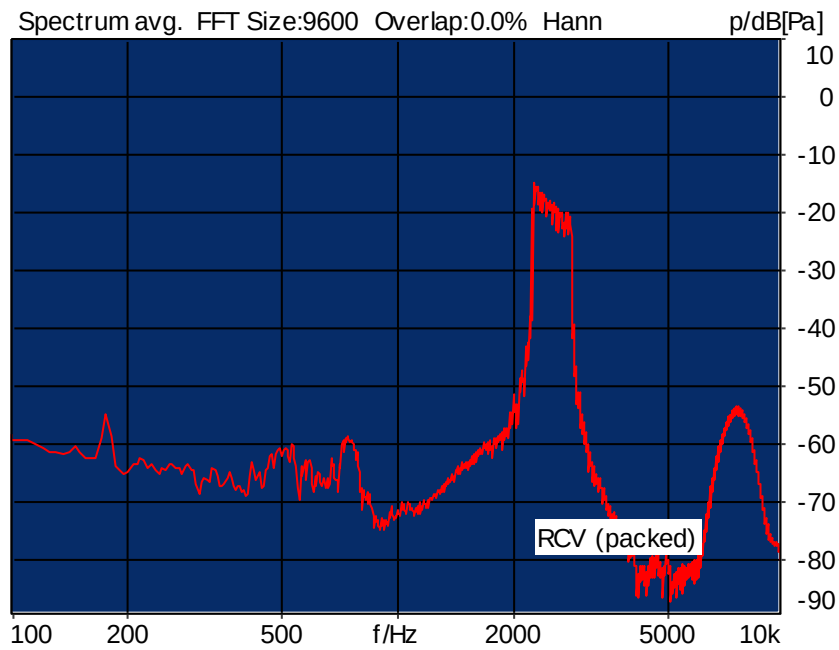
2026-07-25 下午 03:51 ACQUA 6.2.210

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): 27.97 dB (3.99%) Ok

Ok

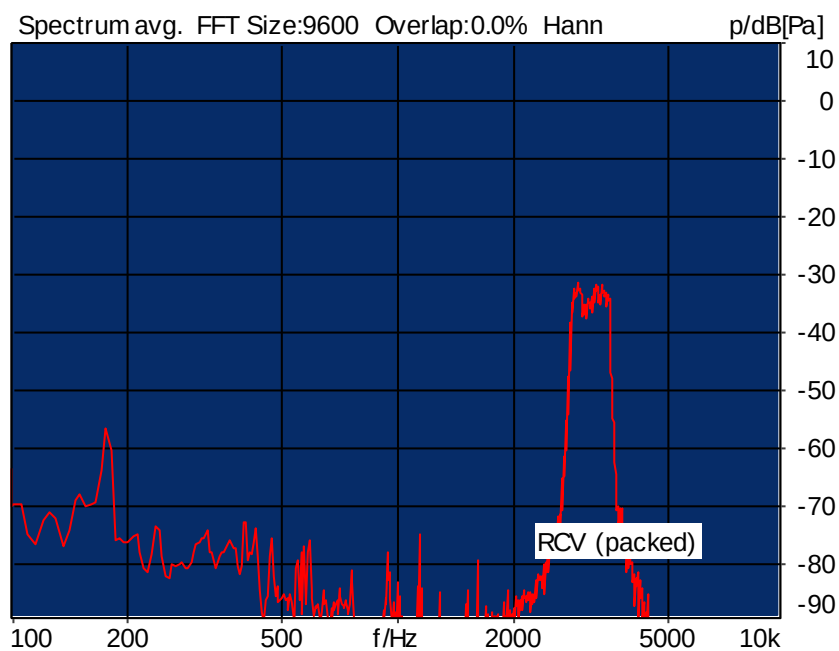
2026-07-25 下午 03:52 ACQUA 6.2.210

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): 25.80 dB (5.13%) Ok

Ok

2026-07-25 下午 03:52 ACQUA 6.2.210

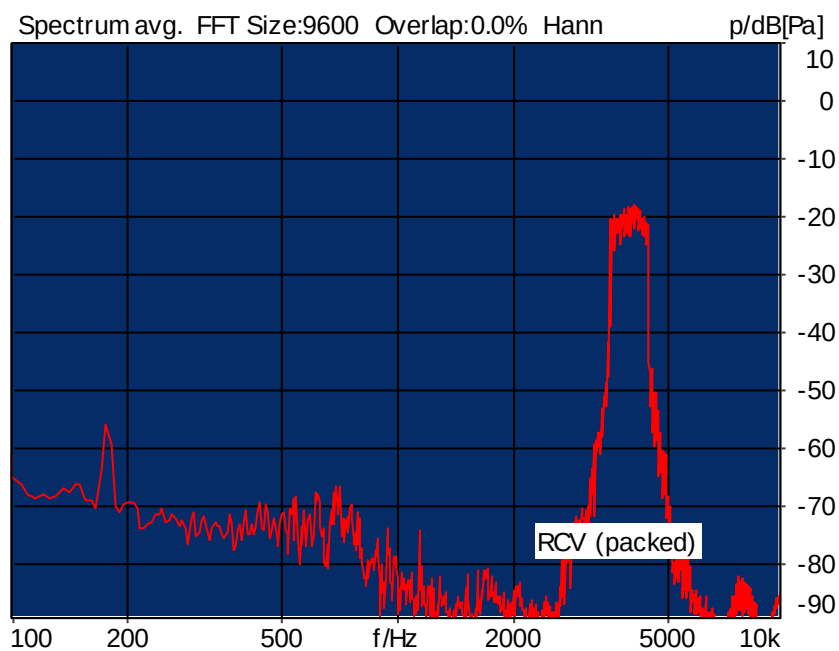
Limits

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): 33.17 dB (2.20%) Ok

Ok

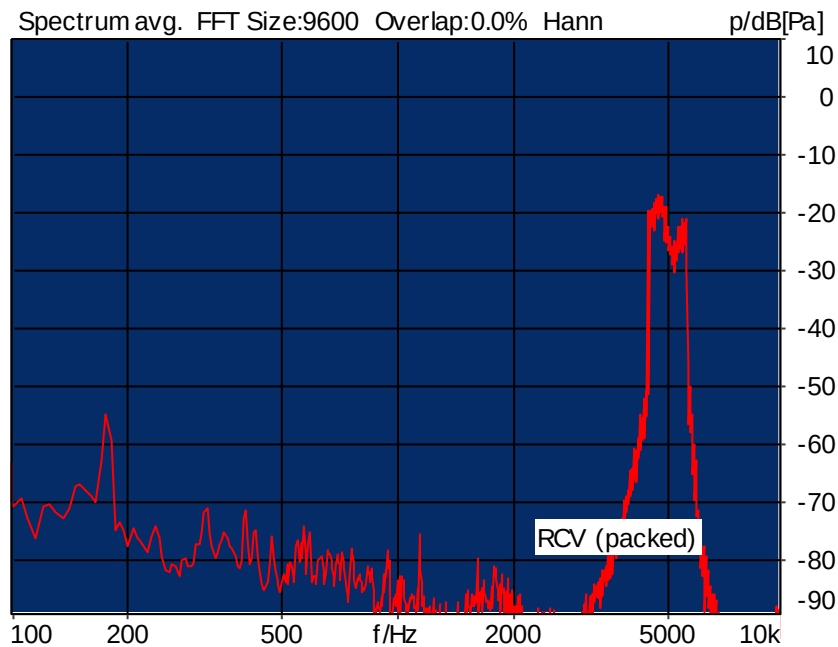
2026-07-25 下午 03:53 ACQUA 6.2.210

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): 36.75 dB (1.45%) Ok

Ok

2026-07-25 下午 03:53 ACQUA 6.2.210

Limits

lower
20.00 dB



Report - Receive Distortion and Noise (Conversational Gain) 8N WB

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

Region	Frequency	SDNR
1	250Hz	26.47 dB
2	315Hz	29.28 dB
3	400Hz	22.55 dB
4	500Hz	27.34 dB
5	630Hz	23.46 dB
6	800Hz	23.50 dB
7	1000Hz	23.80 dB
8	1250Hz	22.41 dB
9	1600Hz	23.31 dB
10	2000Hz	22.22 dB
11	2500Hz	27.97 dB
12	3150Hz	25.80 dB
13	4000Hz	33.17 dB
14	5000Hz	36.75 dB

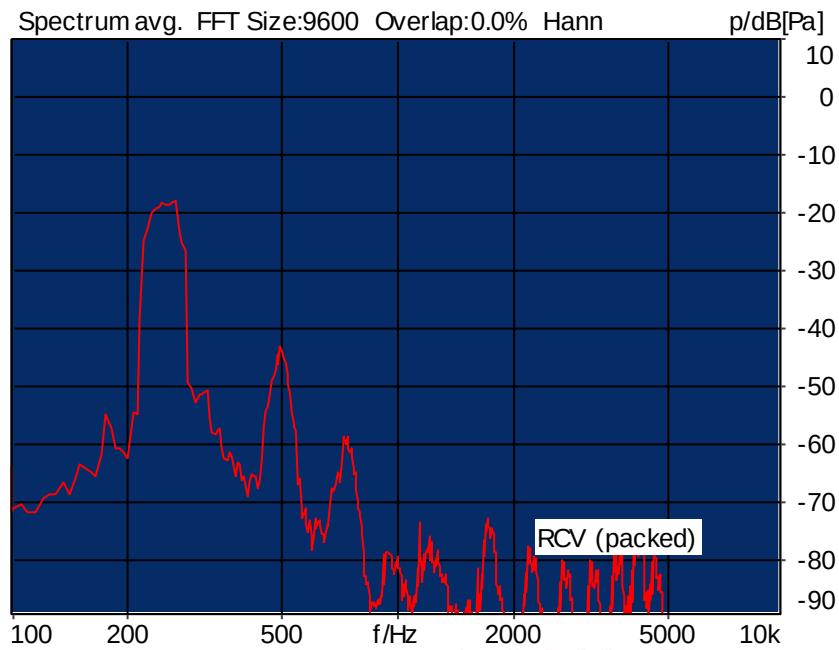
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.22dB at 2000Hz.

2026-07-25 下午 03:53 ACQUA

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): 28.73 dB (3.66%) Ok

Ok

2026-07-25 下午 03:56 ACQUA 6.2.210

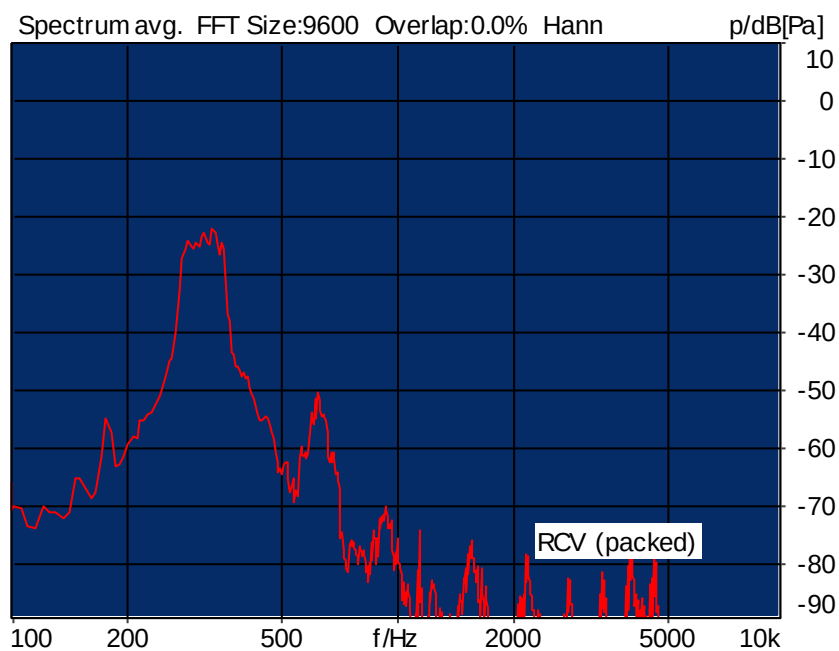
Limits

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): 27.99 dB (3.99%) Ok

Ok

2026-07-25 下午 03:56 ACQUA 6.2.210

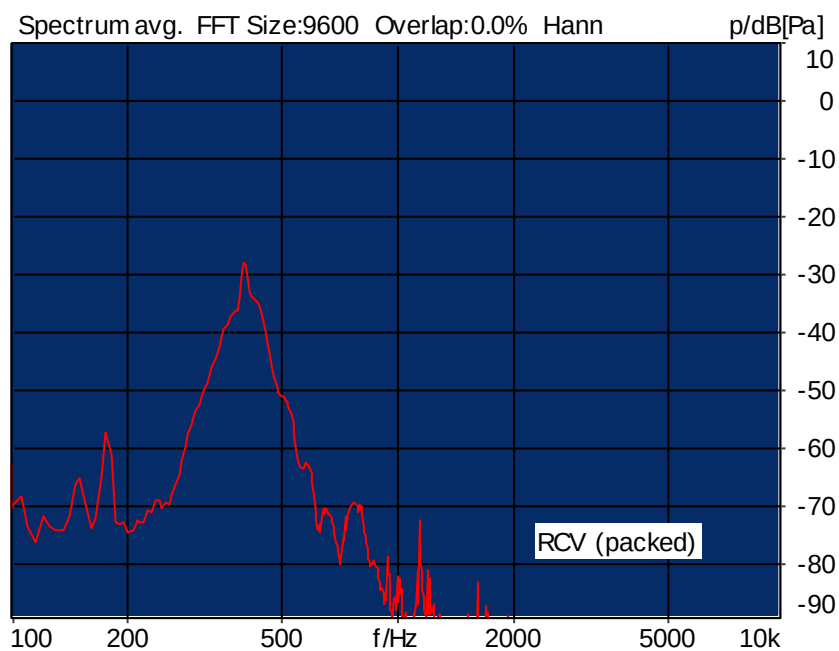
Limits

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): 23.08 dB (7.01%) Ok

Ok

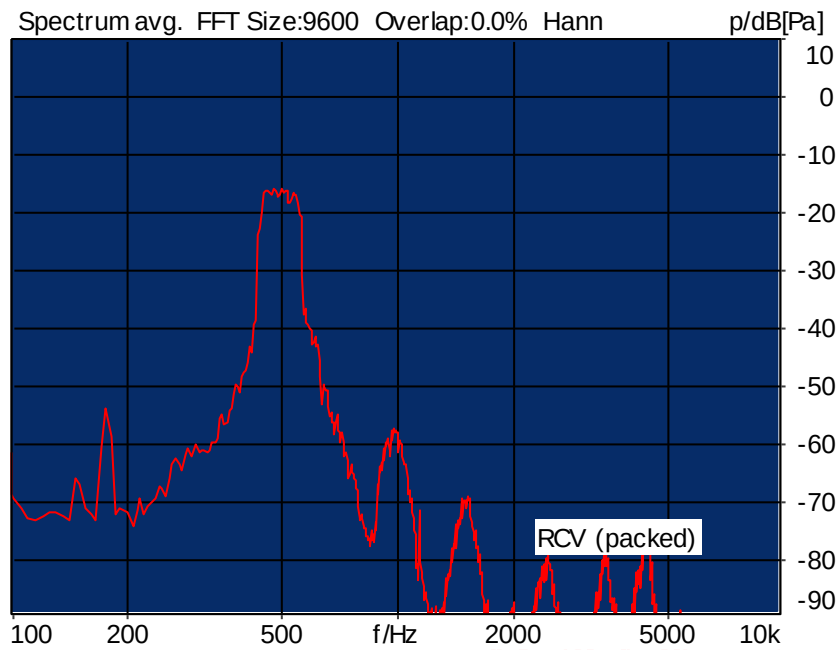
2026-07-25 下午 03:57 ACQUA 6.2.210

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): 31.82 dB (2.56%) Ok

Ok

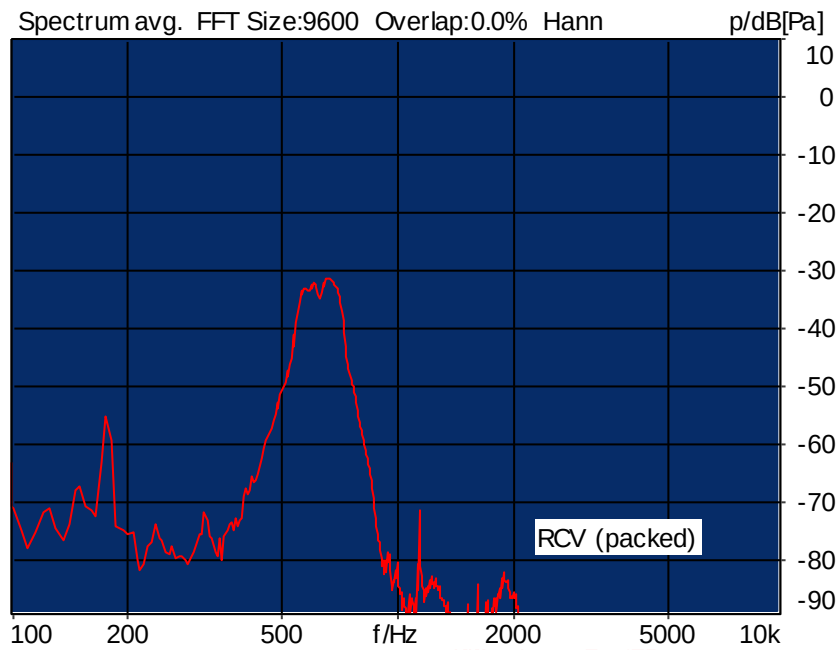
2026-07-25 下午 04:04 ACQUA 6.2.210

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): 22.01 dB (7.93%) Ok

Ok

2026-07-25 下午 03:58 ACQUA 6.2.210

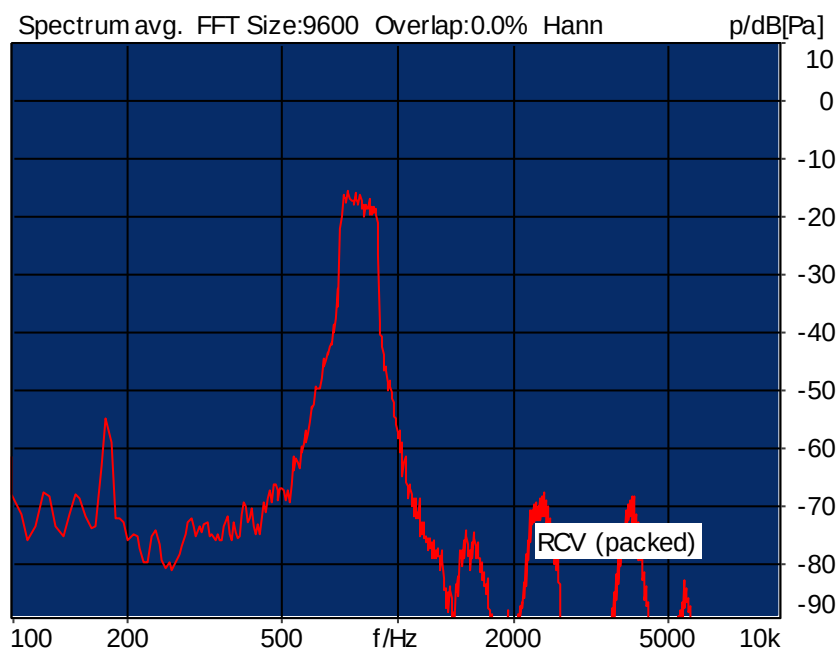
Limits

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): 32.10 dB (2.48%) Ok

Ok

2026-07-25 下午 03:58 ACQUA 6.2.210

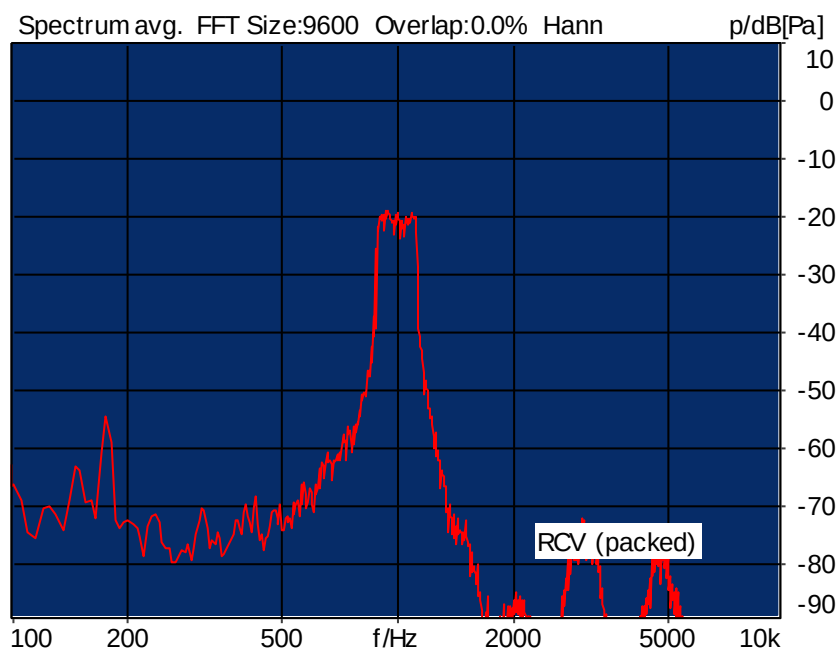
Limits

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): 31.39 dB (2.70%) Ok

Ok

2026-07-25 下午 03:59 ACQUA 6.2.210

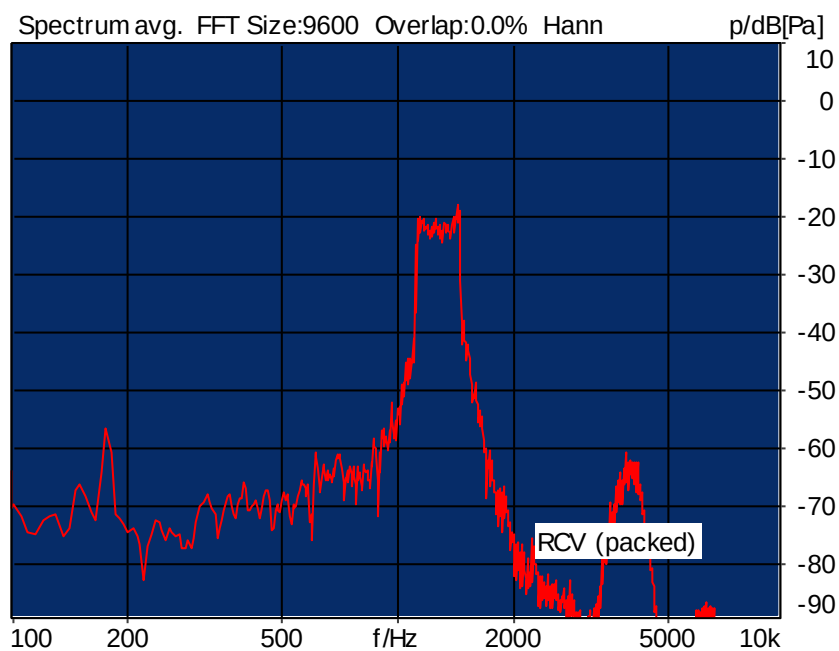
Limits

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): 22.02 dB (7.92%) Ok

Ok

2026-07-25 下午 03:59 ACQUA 6.2.210

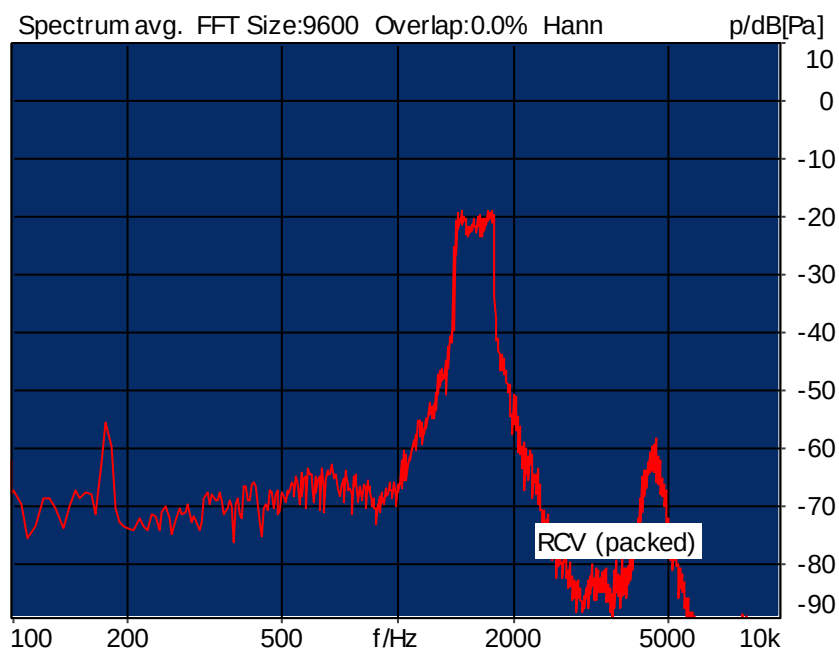
Limits

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): 25.02 dB (5.61%) Ok

Ok

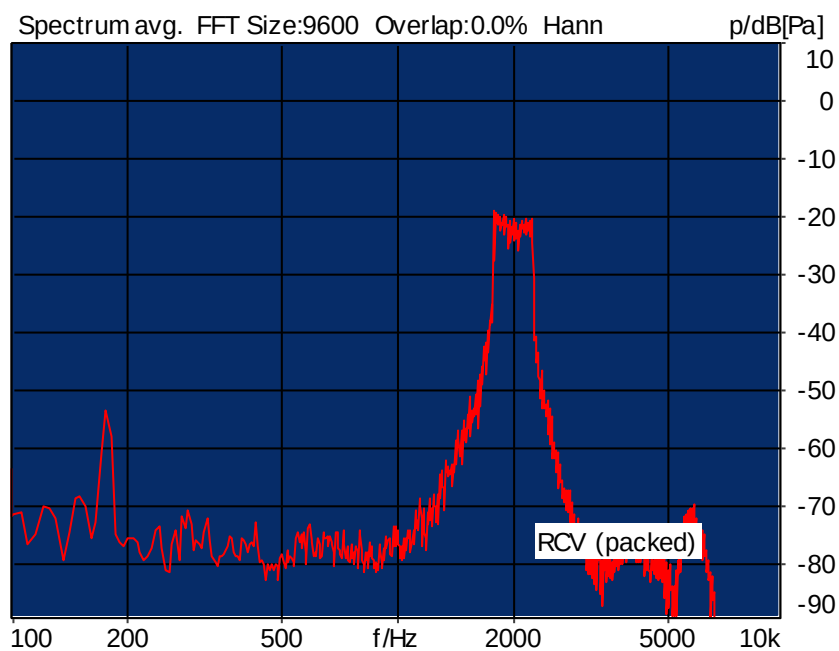
2026-07-25 下午 04:00 ACQUA 6.2.210

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): 23.92 dB (6.37%) Ok

Ok

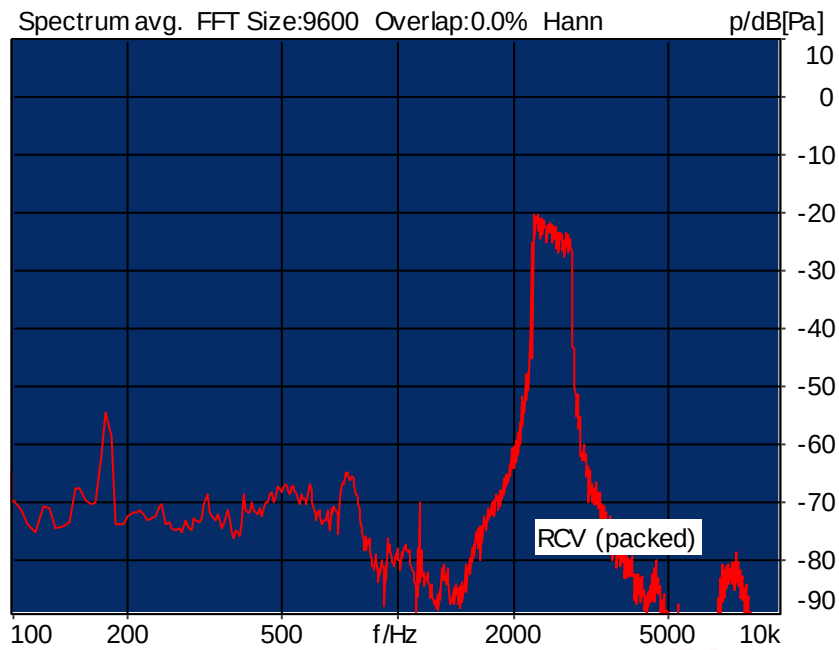
2026-07-25 下午 04:02 ACQUA 6.2.210

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): 29.77 dB (3.25%) Ok

Ok

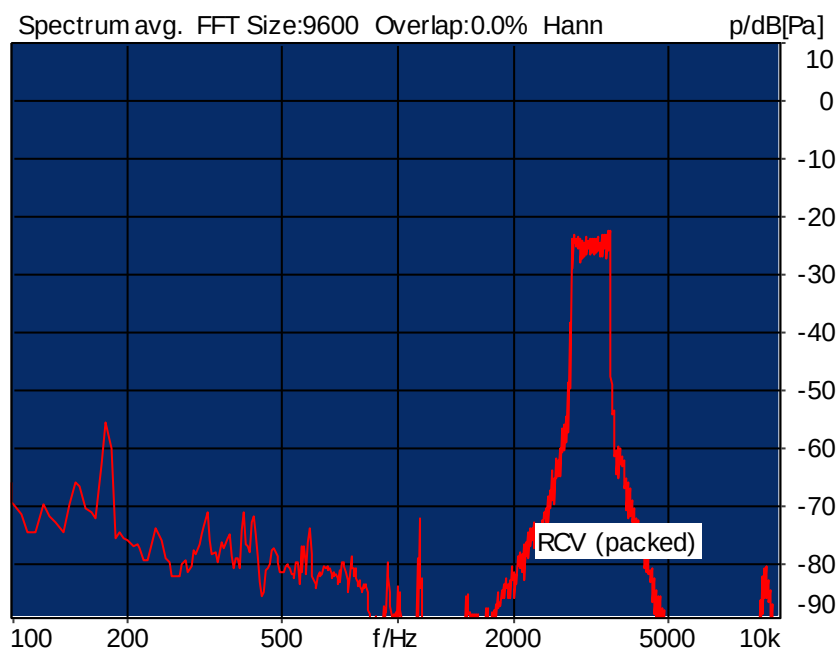
2026-07-25 下午 04:01 ACQUA 6.2.210

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): 33.25 dB (2.18%) Ok

Ok

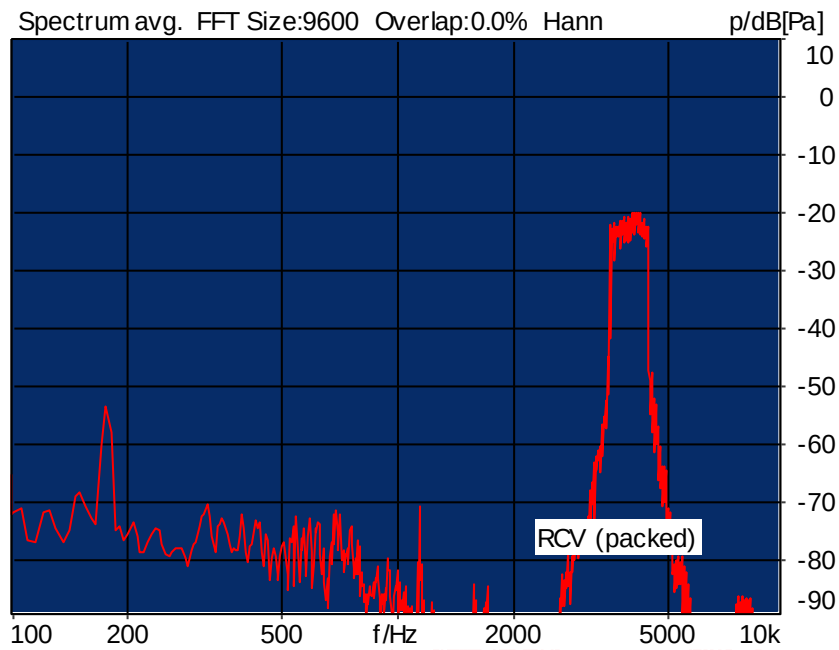
2026-07-25 下午 04:01 ACQUA 6.2.210

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): 34.19 dB (1.95%) Ok

Ok

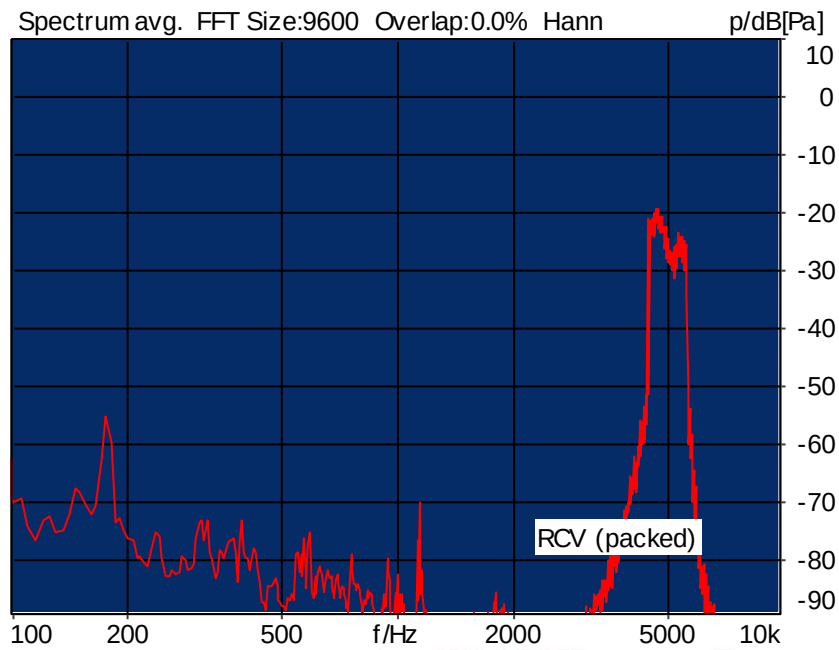
2026-07-25 下午 04:03 ACQUA 6.2.210

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): 36.53 dB (1.49%) Ok

Ok

2026-07-25 下午 04:03 ACQUA 6.2.210

Limits

lower
20.00 dB

**Report - Receive Distortion and Noise (Conversational Gain) 2N WB**

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

Region	Frequency	SDNR
1	250Hz	28.73 dB
2	315Hz	27.99 dB
3	400Hz	23.08 dB
4	630Hz	22.01 dB
5	800Hz	32.10 dB
6	1000Hz	31.39 dB
7	1250Hz	22.02 dB
8	1600Hz	25.02 dB
9	2500Hz	29.77 dB
10	3150Hz	33.25 dB
11	2000Hz	23.92 dB
12	4000Hz	34.19 dB
13	5000Hz	36.53 dB
14	500Hz	31.82 dB

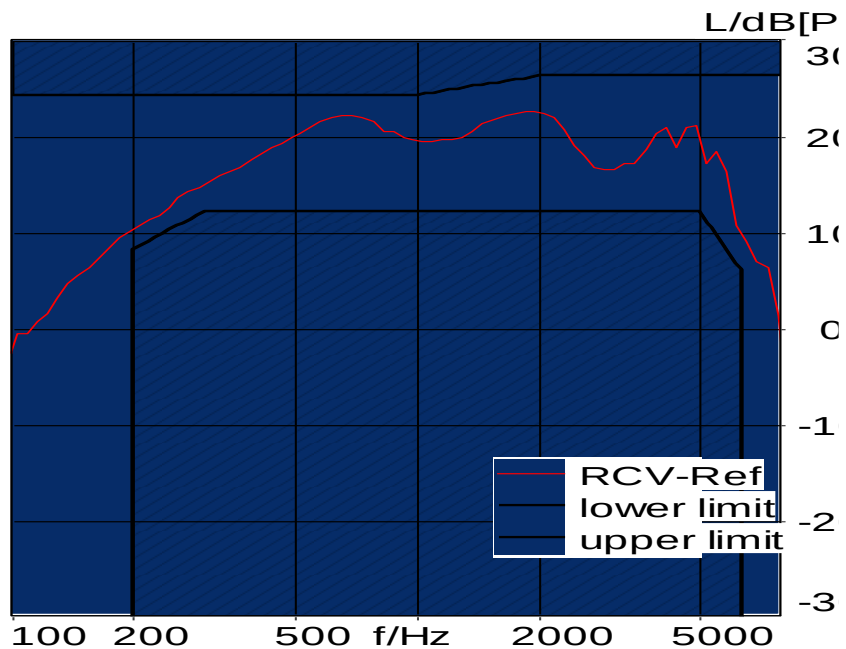
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.01dB at 630Hz.

2026-07-25 下午 04:05 ACQUA

5.3 Frequency Response 8N FF

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



Absolute minimal distance

2.15 dB at 689.1 Hz Ok

Ok

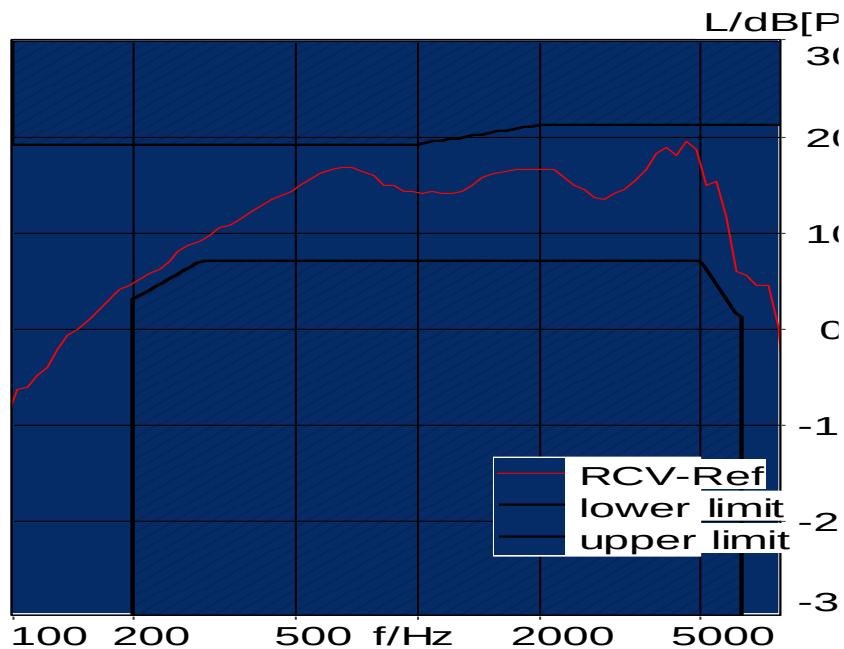
2026-07-25 下午 03:54 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N FF

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



Absolute minimal distance

1.74 dB at 230.2 Hz Ok

Ok

2026-07-25 下午 04:04 ACQUA 6.2.210

Limits

lower
Fit into tolerance