

Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>

#1 WiFi 6GHz EVS NB 24.4kbps

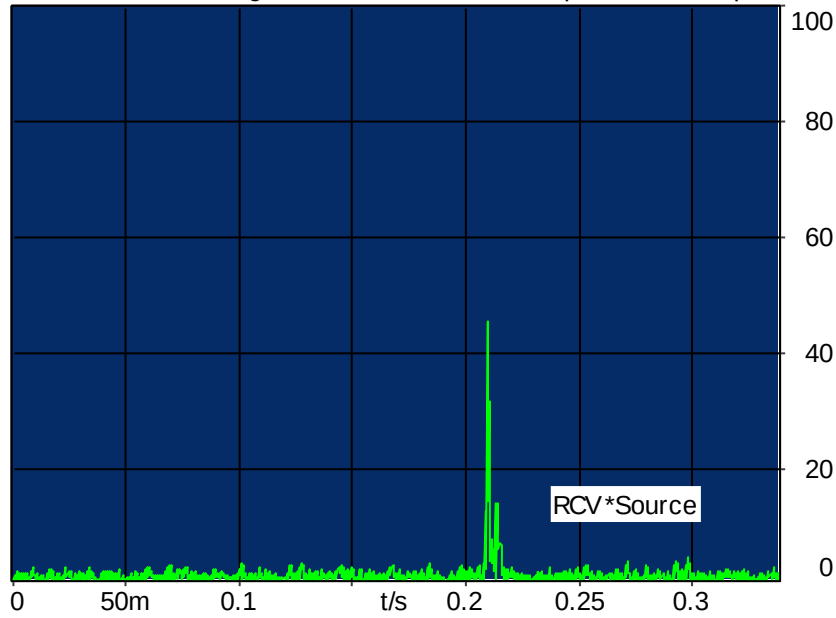
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	210.4
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	97.98
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.82
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.76
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.45
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.18
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.69
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.35
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.04
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.04
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.42
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.87
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 305.9 Hz	2.12
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	92.35
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.21
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.83
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.88
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.30
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.59
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.84
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.42
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.11
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.95
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.64
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	2.18



Overall Receive Delay NB

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

Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelope I %

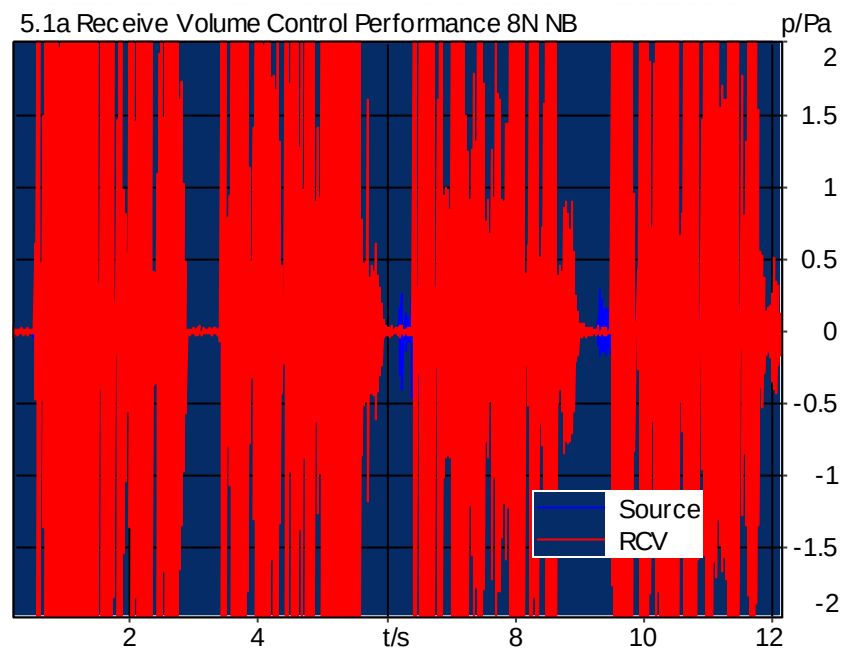


Channel	Delay	Correlation
RCV*Source	210.4 ms	45.49 %

2026-03-12 下午 05:08 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	97.98 dB[SPL]	83.46%	Ok

Ok

2026-03-12 上午 04:40 ACQUA 6.2.210

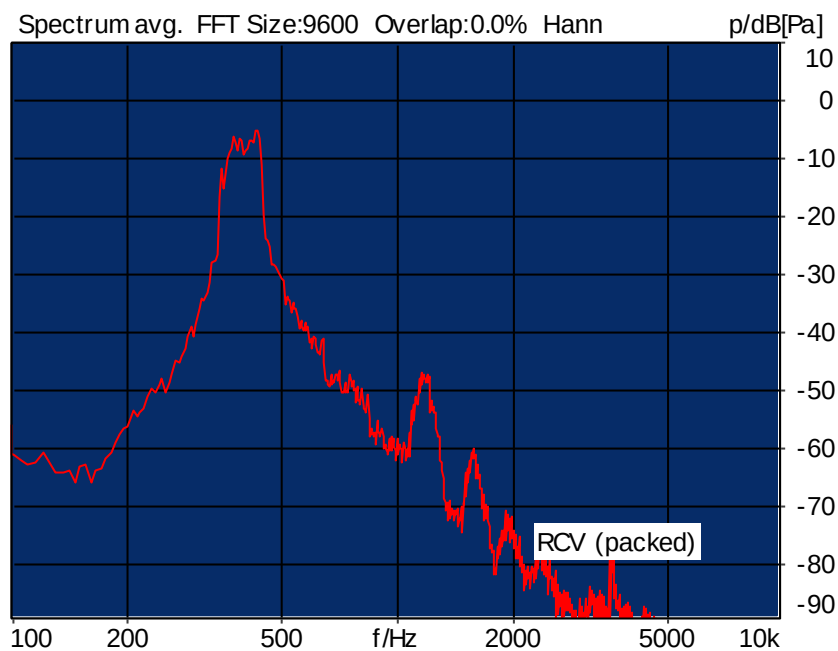
Limits

lower
76.00 dB[SPL]



5.2 RCV Distortion and Noise - 400 Hz 8N NB

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



Distortion (Noise) RCV (packed): 27.82 dB (4.06%) Ok

Ok

2026-03-12 上午 04:33 ACQUA 6.2.210

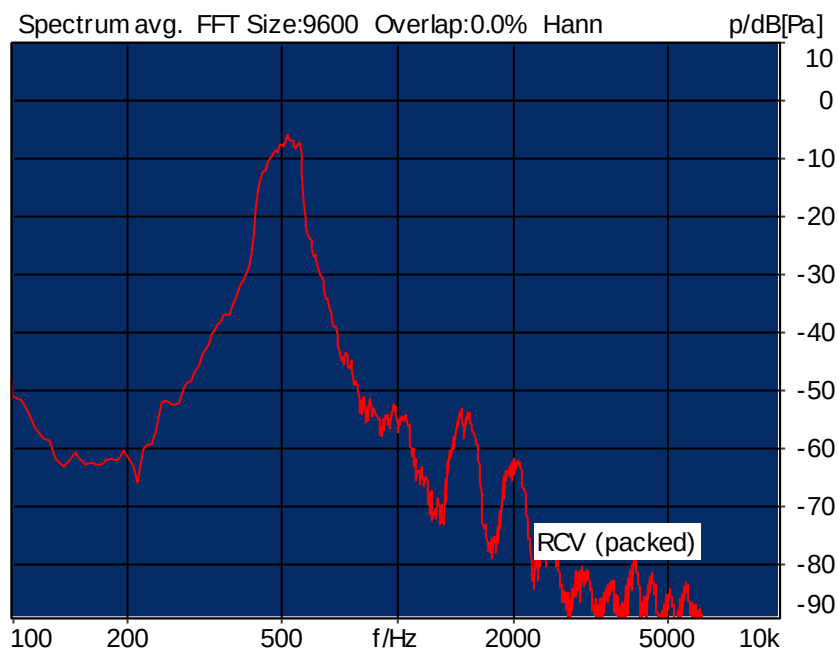
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.76 dB (5.78%) Ok

Ok

2026-03-12 上午 04:34 ACQUA 6.2.210

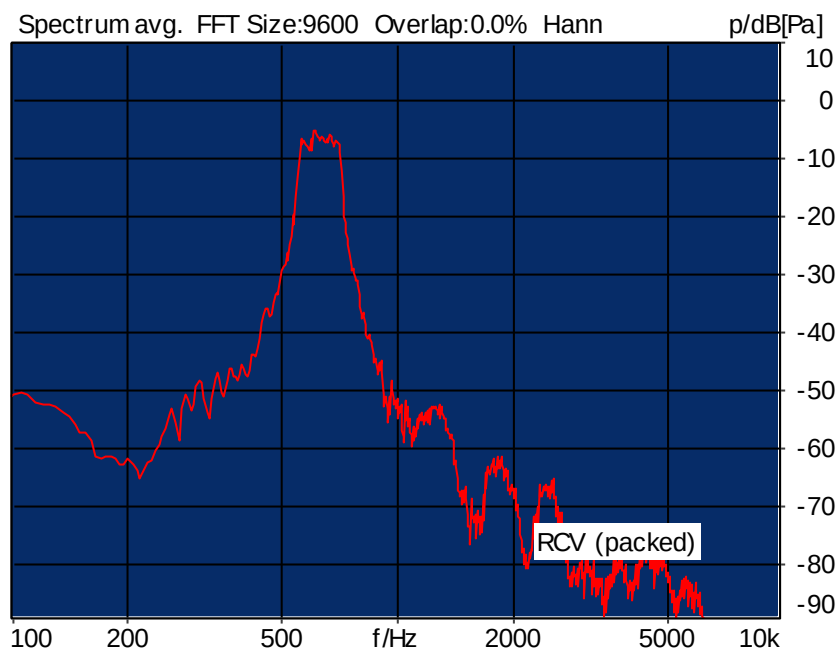
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz 8N NB

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



Distortion (Noise) RCV (packed): 26.45 dB (4.76%) Ok

Ok

2026-03-12 上午 04:34 ACQUA 6.2.210

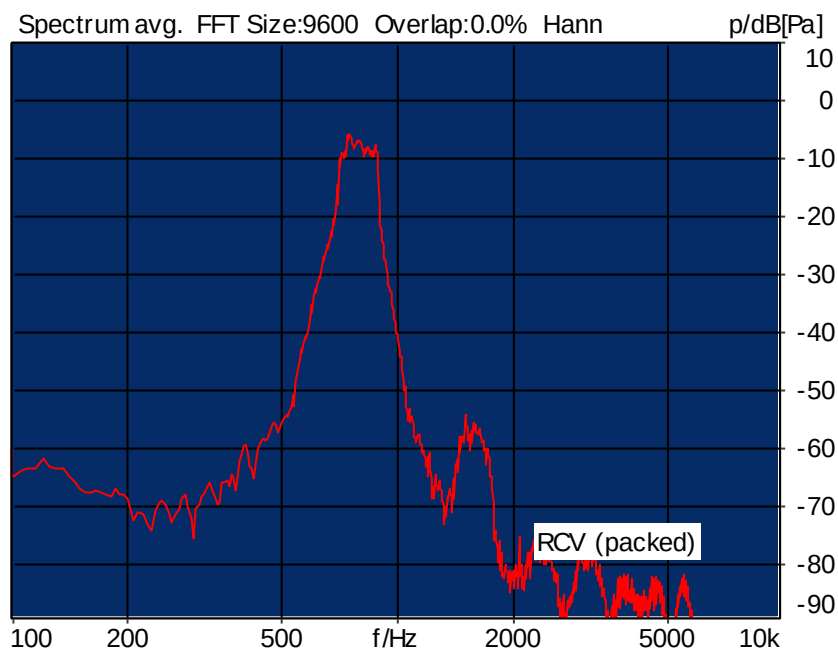
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 800 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.18 dB (6.18%) Ok

Ok

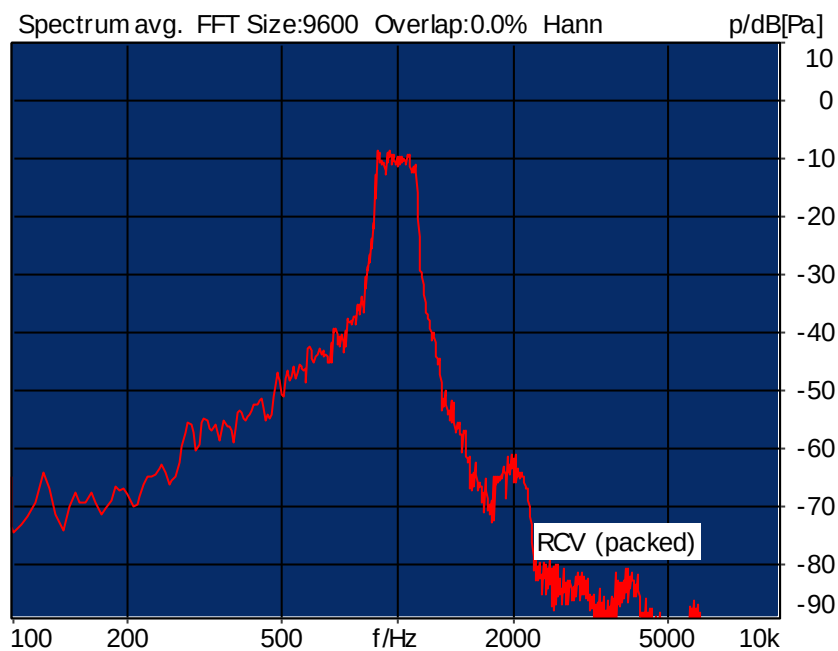
2026-03-12 上午 04:35 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.69 dB (5.83%) Ok

Ok

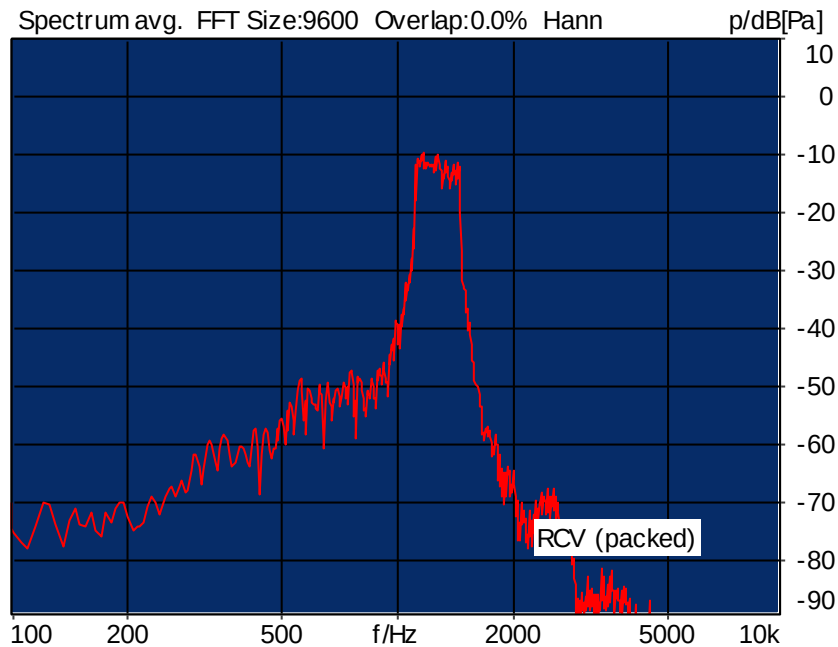
2026-03-12 上午 04:35 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N NB

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



Distortion (Noise) RCV (packed): 21.35 dB (8.56%) Ok

Ok

2026-03-12 上午 04:36 ACQUA 6.2.210

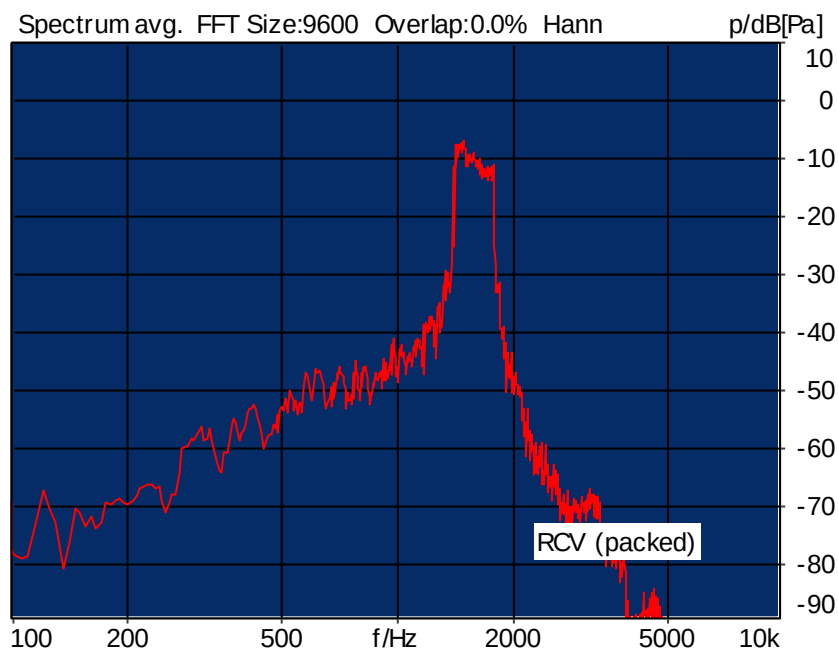
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz 8N NB

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



Distortion (Noise) RCV (packed): 25.04 dB (5.60%) Ok

Ok

2026-03-12 上午 04:36 ACQUA 6.2.210

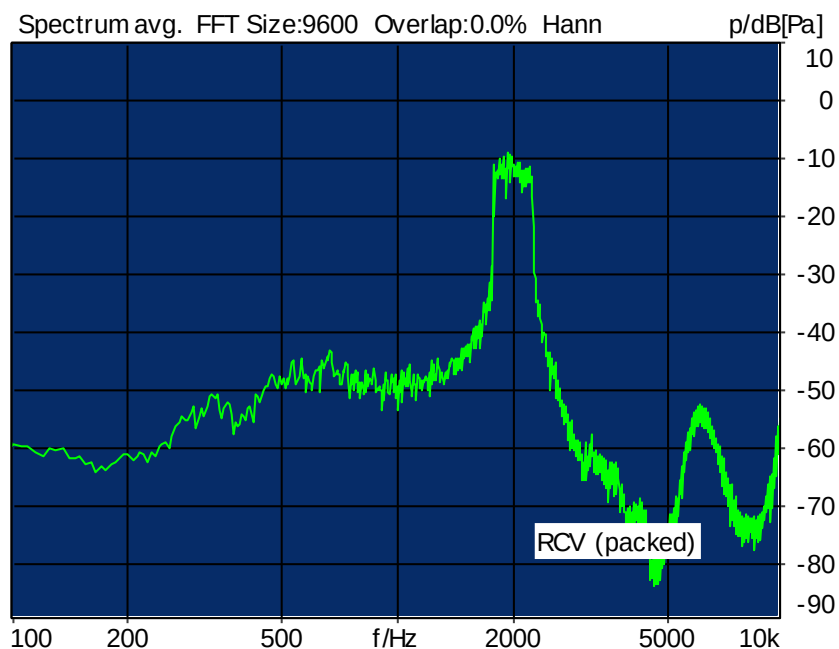
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 2000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.04 dB (6.28%) Ok

Ok

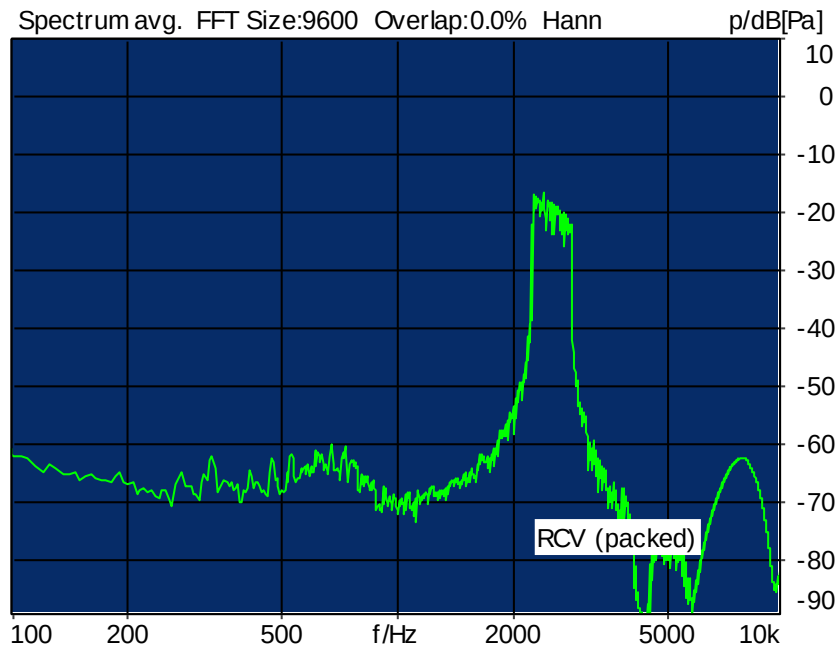
2026-03-12 下午 04:32 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 28.42 dB (3.79%) Ok

Ok

2026-03-12 下午 05:09 ACQUA 6.2.210

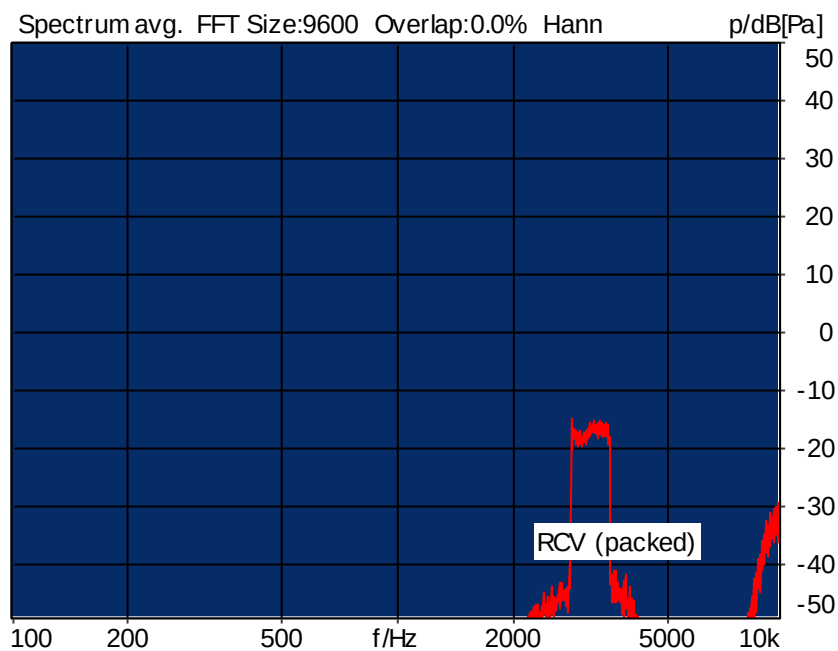
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.87 dB (5.71%) Ok

Ok

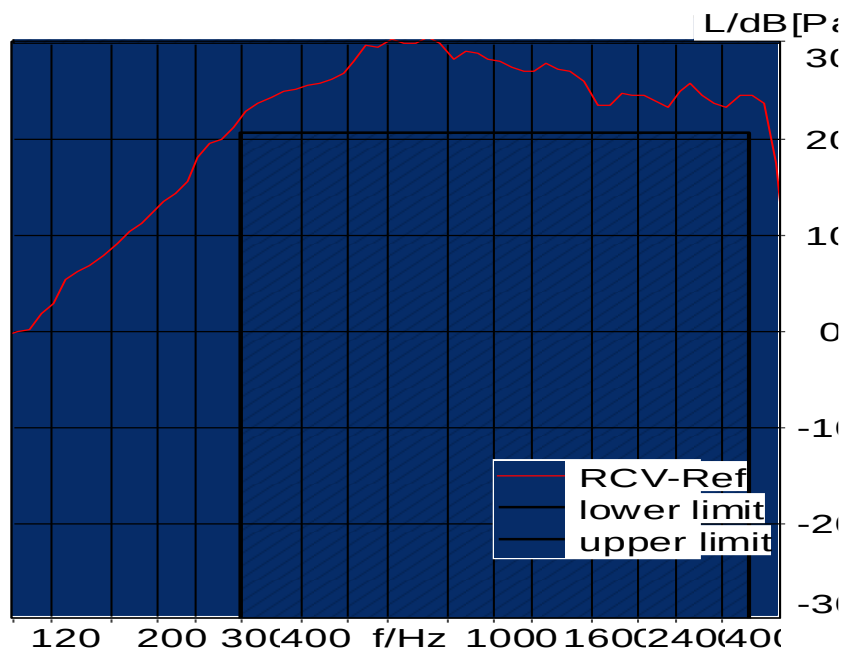
2026-03-12 上午 04:53 ACQUA 6.2.210

Limits

lower
20.00 dB

5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance

2.12 dB at 305.9 Hz Ok

Ok

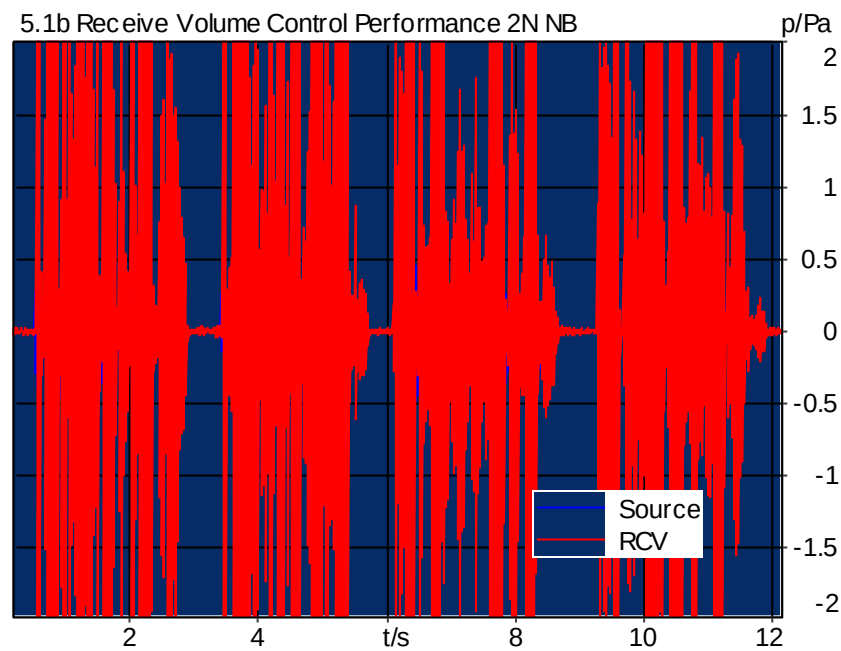
2026-03-12 上午 04:57 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	92.35 dB[SPL]	81.58%	Ok

Ok

2026-03-12 上午 04:58 ACQUA 6.2.210

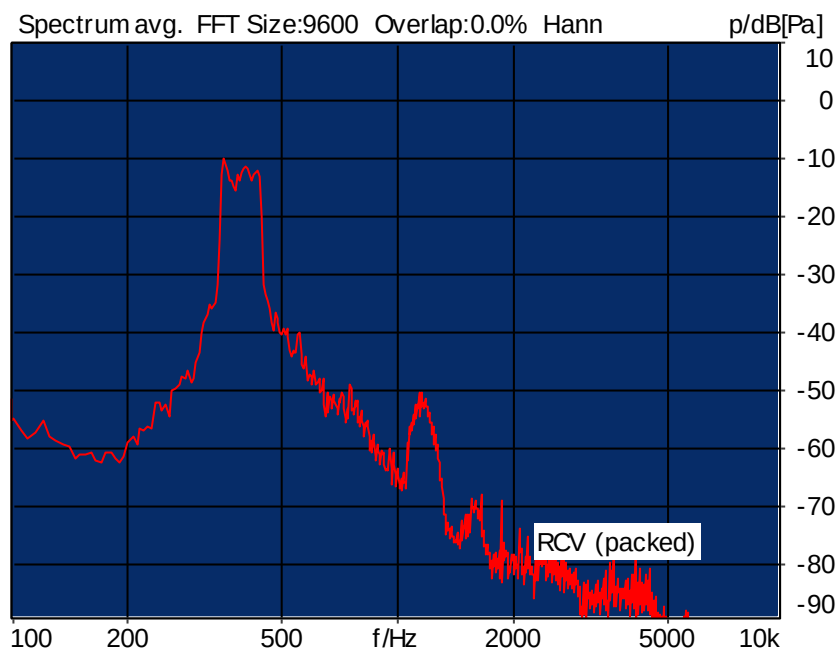
Limits

lower
76.00 dB[SPL]



5.2 RCV Distortion and Noise - 400 Hz 2N NB

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



Distortion (Noise) RCV (packed): 29.21 dB (3.46%) Ok

Ok

2026-03-12 上午 04:58 ACQUA 6.2.210

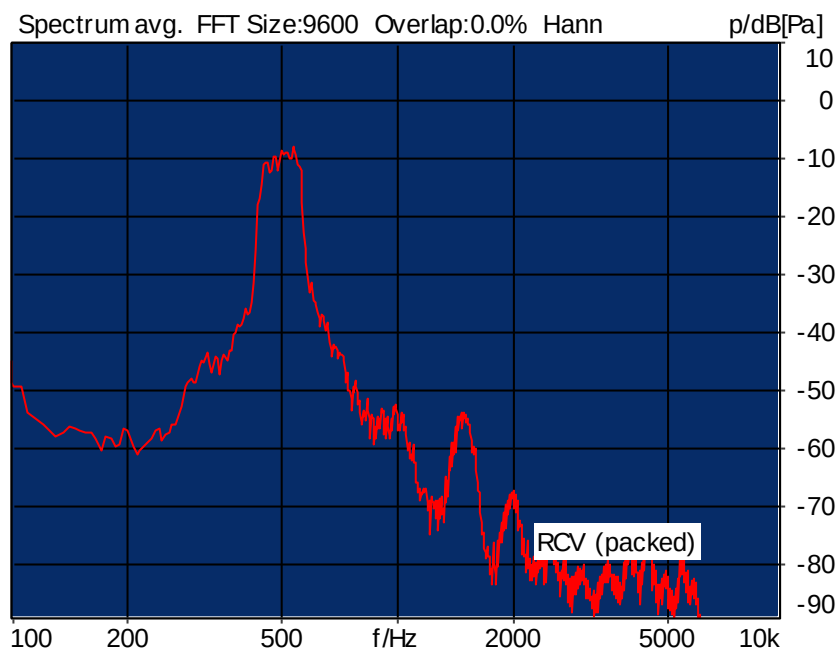
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz 2N NB

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



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

Ok

2026-03-12 上午 04:59 ACQUA 6.2.210

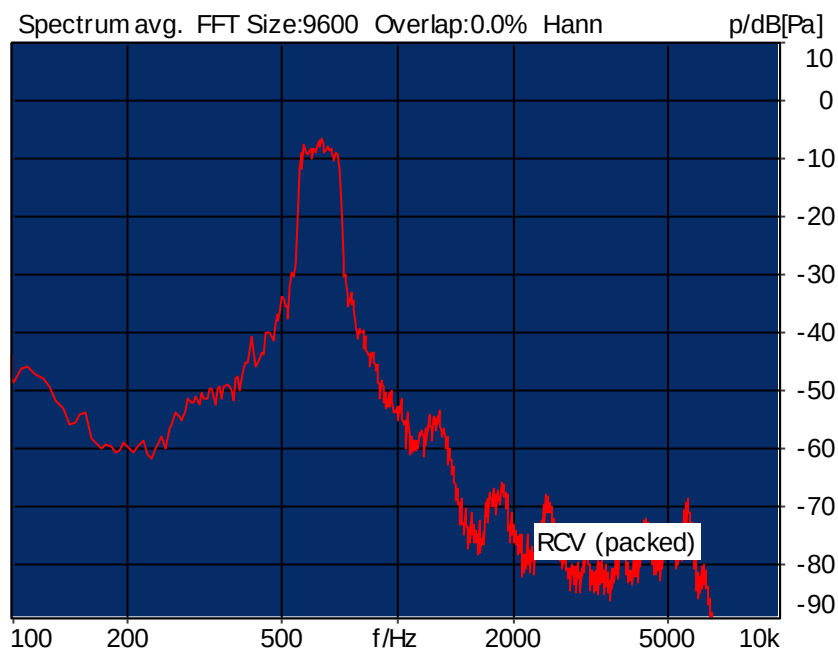
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz 2N NB

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



Distortion (Noise) RCV (packed): 29.88 dB (3.21%) Ok

Ok

2026-03-12 上午 04:59 ACQUA 6.2.210

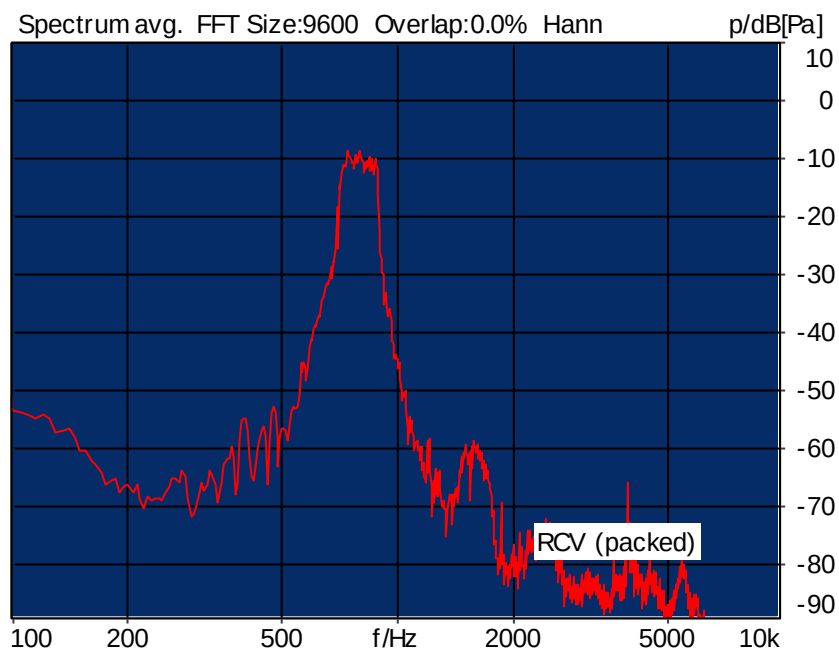
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 800 Hz 2N NB

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



Distortion (Noise) RCV (packed): 27.30 dB (4.31%) Ok

Ok

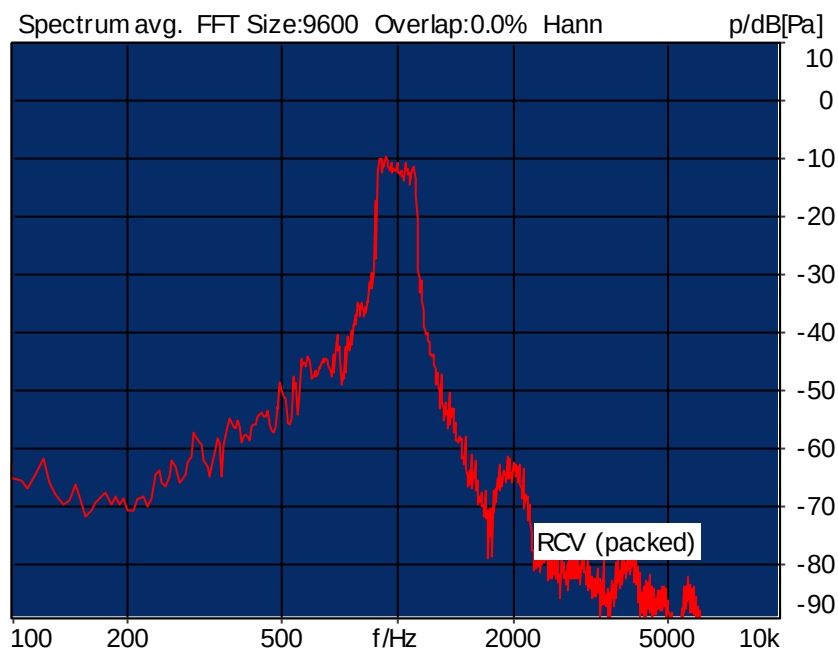
2026-03-12 上午 05:00 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.59 dB (4.68%) Ok

Ok

2026-03-12 上午 05:00 ACQUA 6.2.210

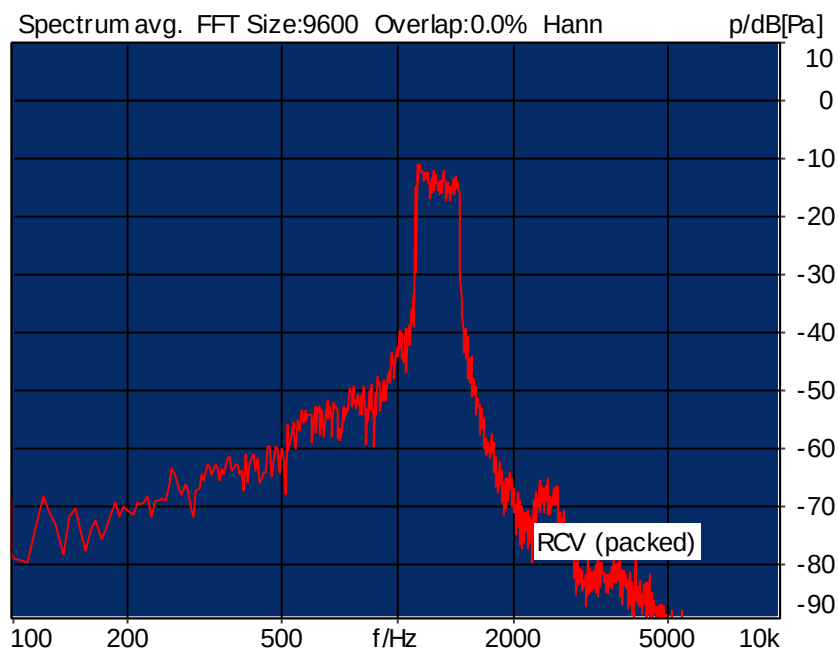
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1250 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.84 dB (4.55%) Ok

Ok

2026-03-12 上午 05:01 ACQUA 6.2.210

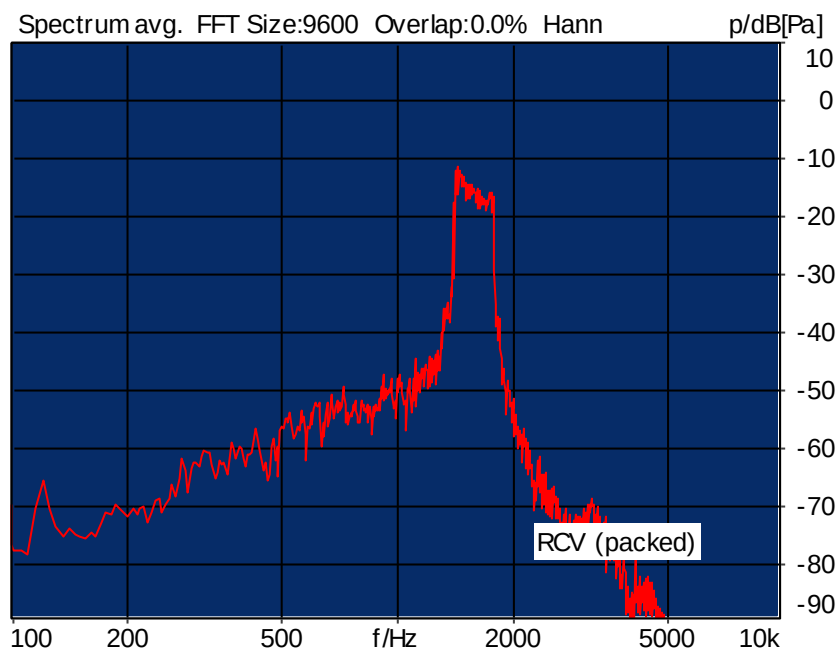
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz 2N NB

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



Distortion (Noise) RCV (packed): 25.42 dB (5.36%) Ok

Ok

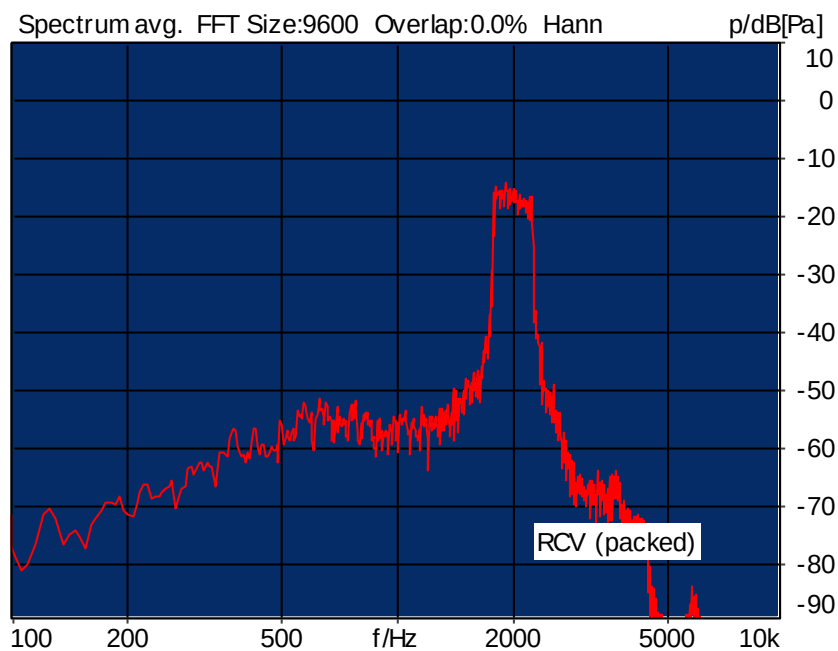
2026-03-12 上午 05:01 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.11 dB (4.95%) Ok

Ok

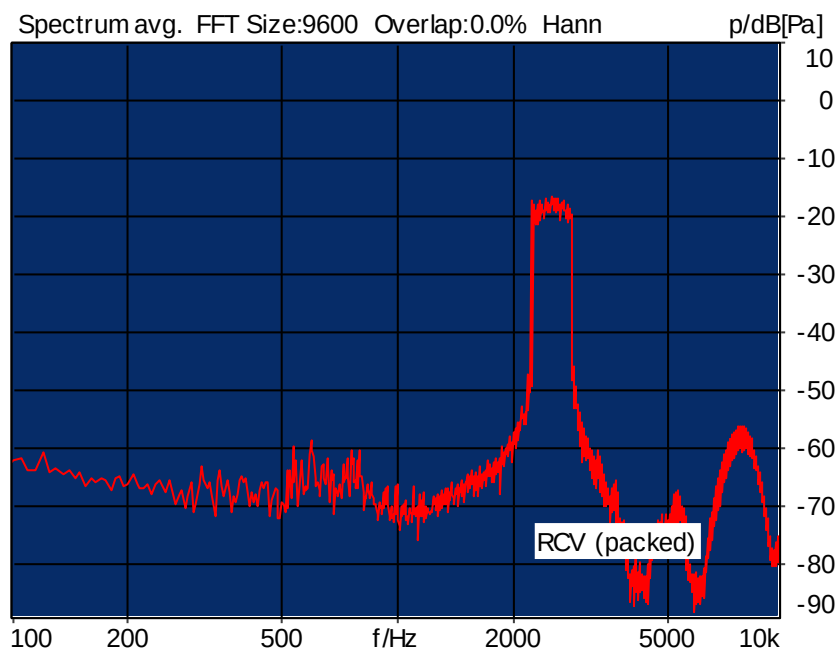
2026-03-12 上午 05:02 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 32.95 dB (2.25%) Ok

Ok

2026-03-12 上午 05:02 ACQUA 6.2.210

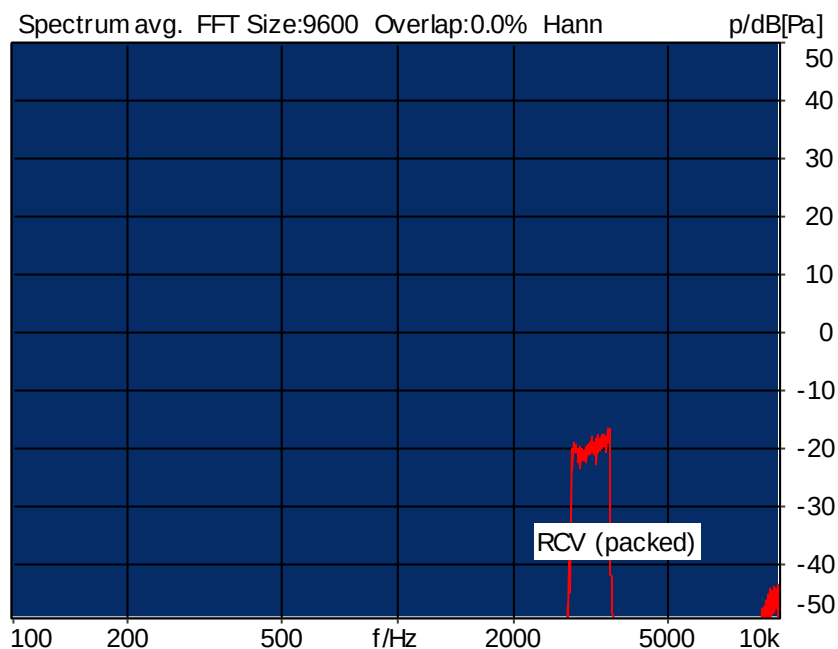
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz 2N NB

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



Distortion (Noise) RCV (packed): 31.64 dB (2.62%) Ok

Ok

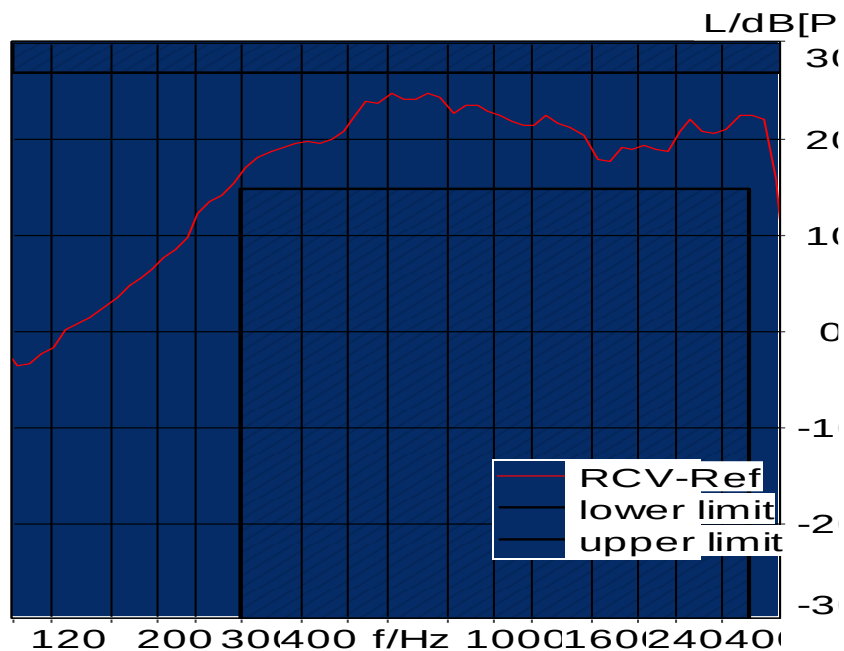
2026-03-12 上午 05:03 ACQUA 6.2.210

Limits

lower
20.00 dB

5.3 Frequency Response 2N FF HANB

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



Absolute minimal distance

2.18 dB at 731.5 Hz Ok

Ok

2026-03-12 上午 05:03 ACQUA 6.2.210

Limits

lower
Fit into tolerance



<Evaluation results for KDB 285076 D05 2.b>

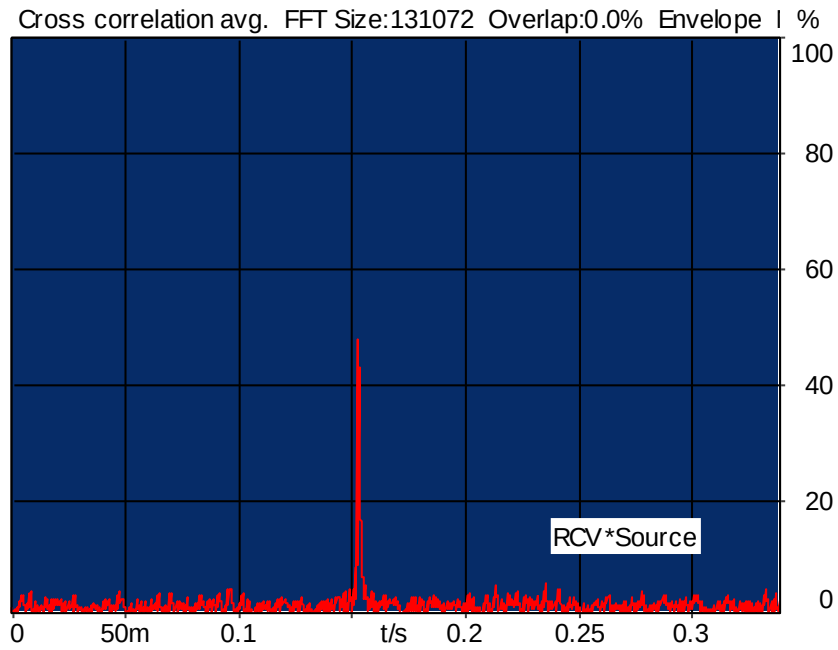
#2 WiFi 6GHz EVS WB 5.9kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	152.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	96.61
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	90.48



Overall Receive Delay WB

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

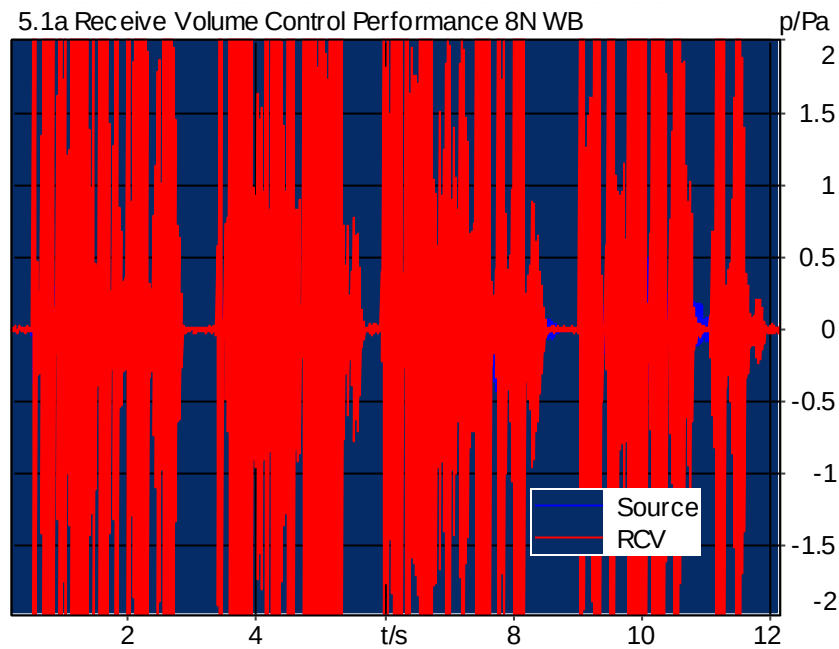


Channel	Delay	Correlation
RCV*Source	152.8 ms	47.85 %

2026-03-12 上午 04:10 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	96.61 dB[SPL]	81.32%	Ok

Ok

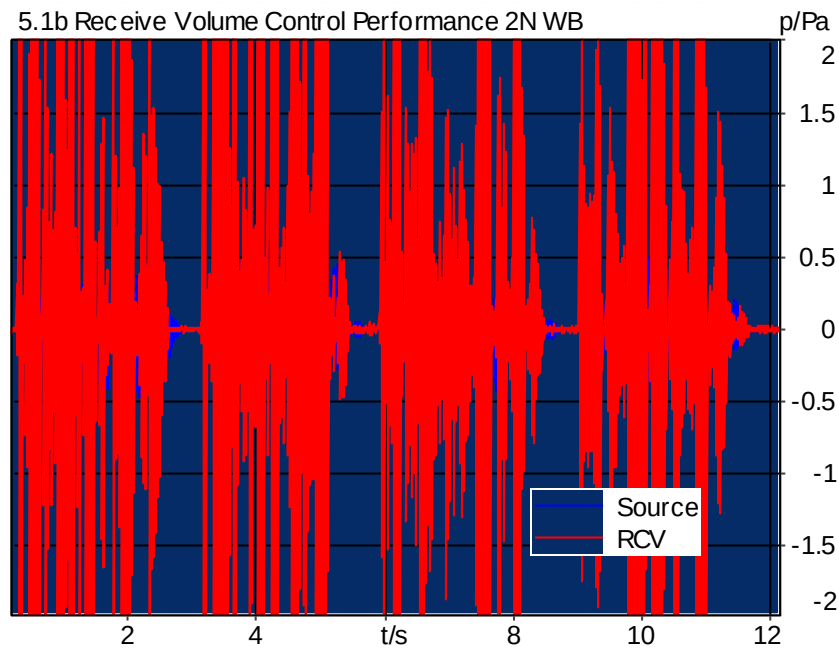
2026-03-12 上午 04:09 ACQUA 6.2.210

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	90.48 dB[SPL]	81.80%	Ok

Ok

2026-03-12 上午 04:08 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]