



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>

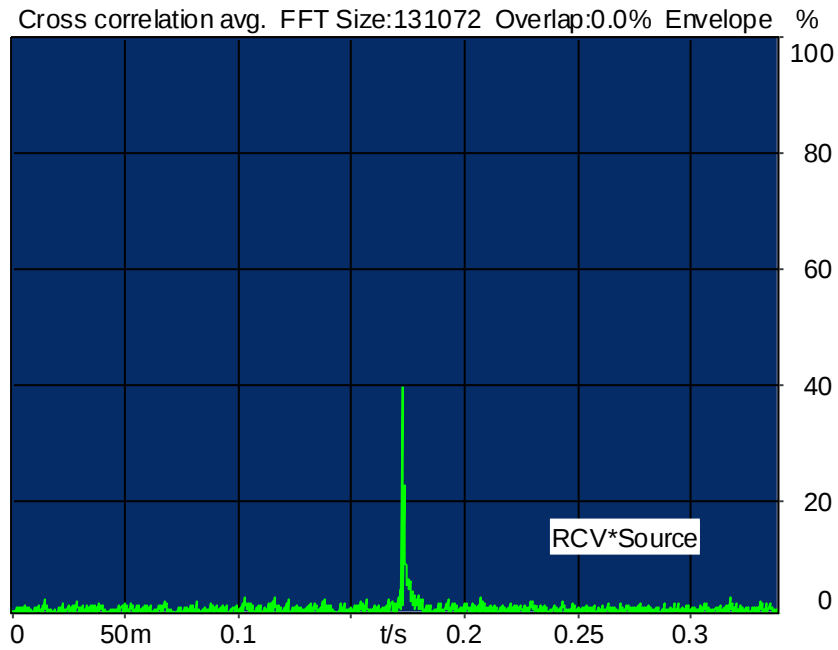
#1 LTE B14 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	173.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.66
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	80.75
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.47
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.97
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.71
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.42
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.67
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.84
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.91
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.16
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.93
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.36
5.2 RCV Distortion and Noise - 2500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.55
5.2 RCV Distortion and Noise - 3150 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.89
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.52
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.26
Report - Receive Distortion and Noise (Conversational Gain) 8N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.36
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.60
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.55
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.71
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.70
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.50
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.56
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.90
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.34
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.58
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.91
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.13
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.60
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.59
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.39
Report - Receive Distortion and Noise (Conversational Gain) 2N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.91
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 974.0 Hz	0.44
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 205.7 Hz	0.84



Overall Receive Delay WB

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

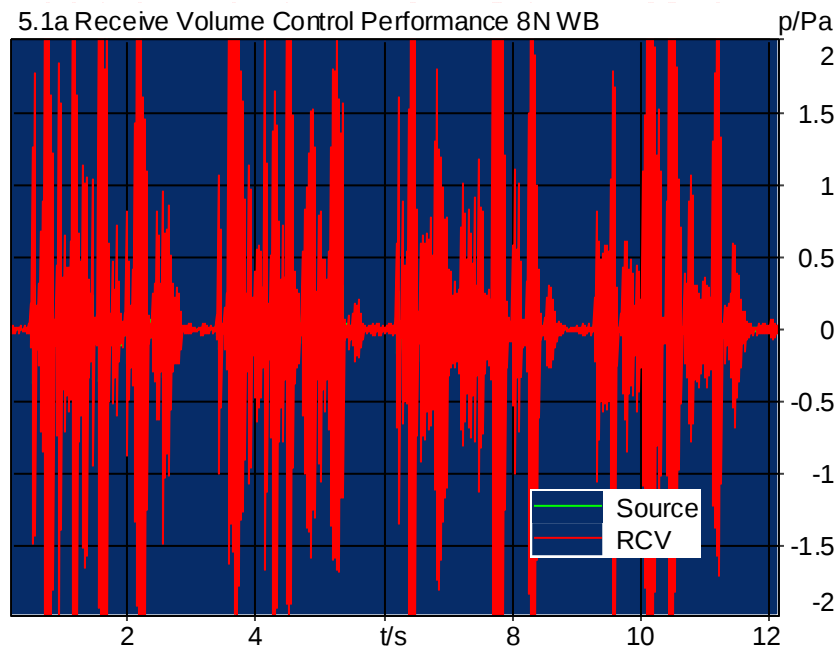


Channel	Delay	Correlation
RCV*Source	173.0 ms	39.64 %

2026-03-17 上午 11:05 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.66 dB[SPL]	80.16%	Ok

Ok

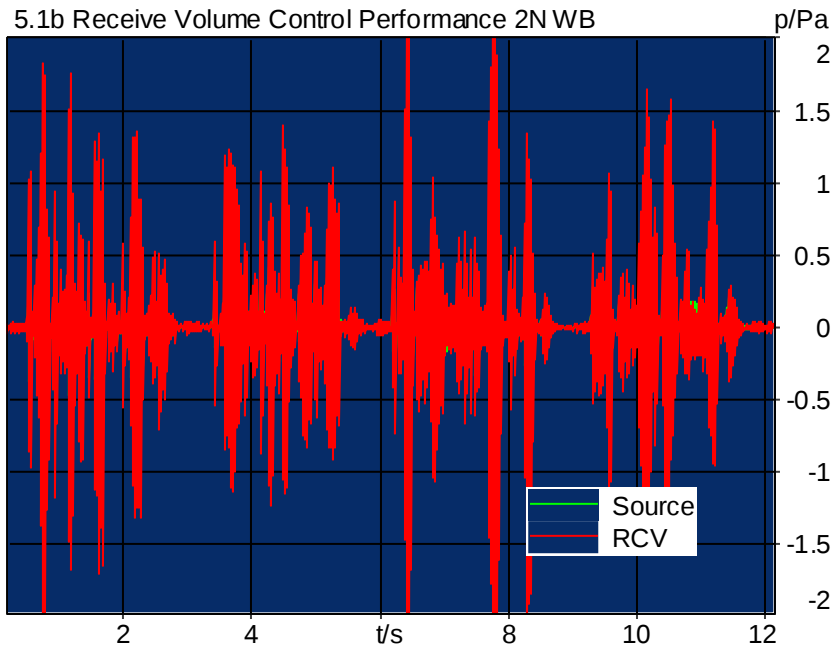
2026-03-17 上午 11:06 ACQUA 6.2.210

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	80.75 dB[SPL]	79.32%	Ok

Ok

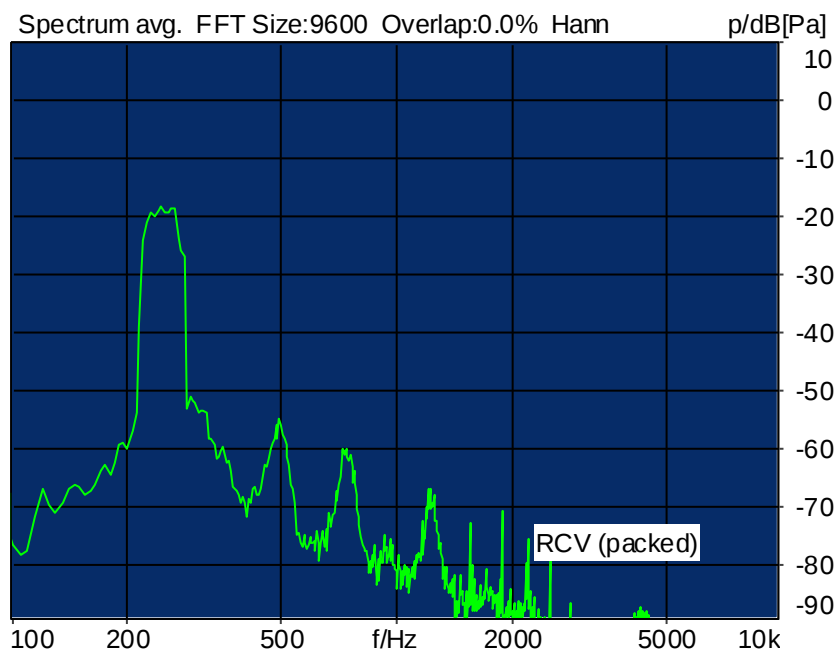
2026-03-17 上午 11:14 ACQUA 6.2.210

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): 36.47 dB (1.50%) Ok

Ok

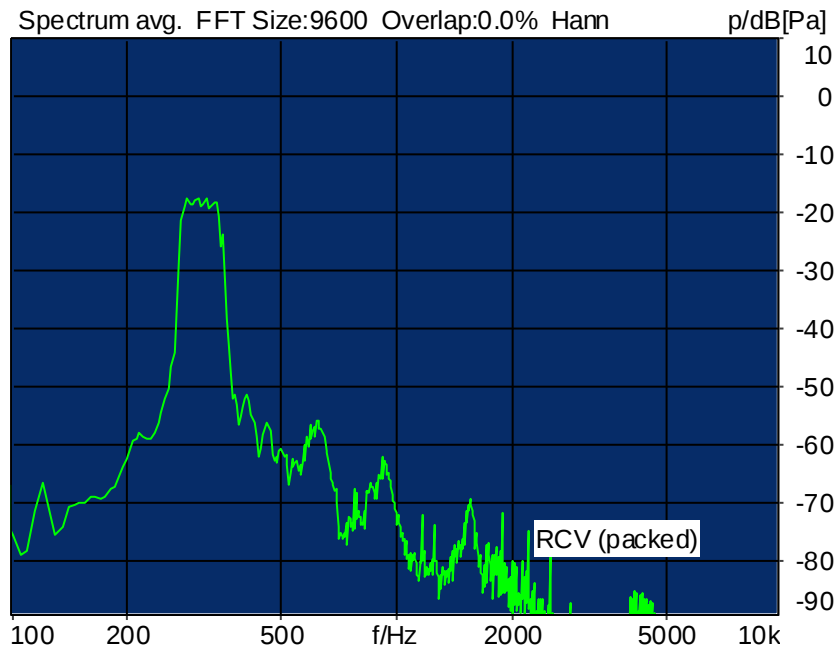
2026-03-17 上午 11:06 ACQUA 6.2.210

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): 35.97 dB (1.59%) Ok

Ok

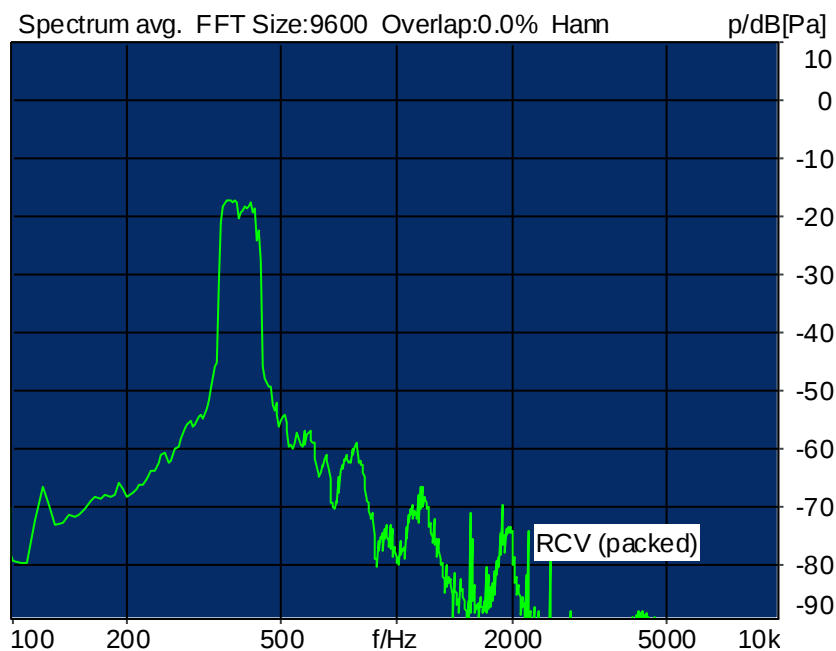
2026-03-17 上午 11:07 ACQUA 6.2.210

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): 36.71 dB (1.46%) Ok

Ok

2026-03-17 上午 11:07 ACQUA 6.2.210

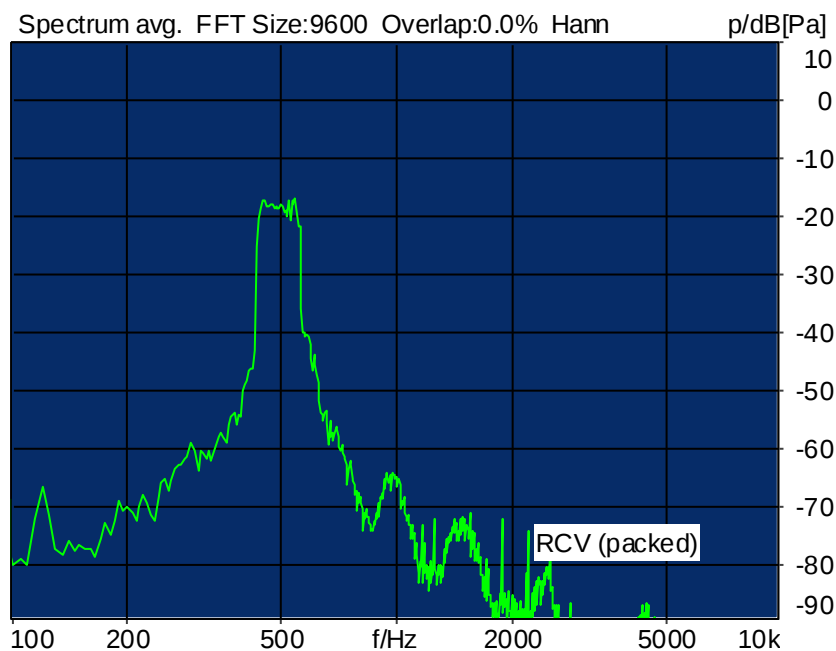
Limits

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): 33.42 dB (2.13%) Ok

Ok

2026-03-17 上午 11:08 ACQUA 6.2.210

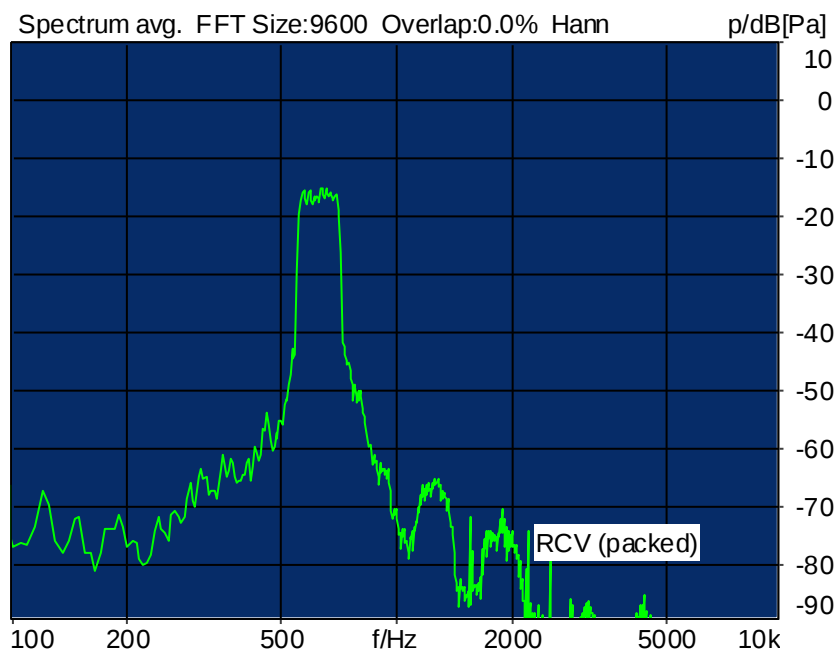
Limits

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): 35.67 dB (1.65%) Ok

Ok

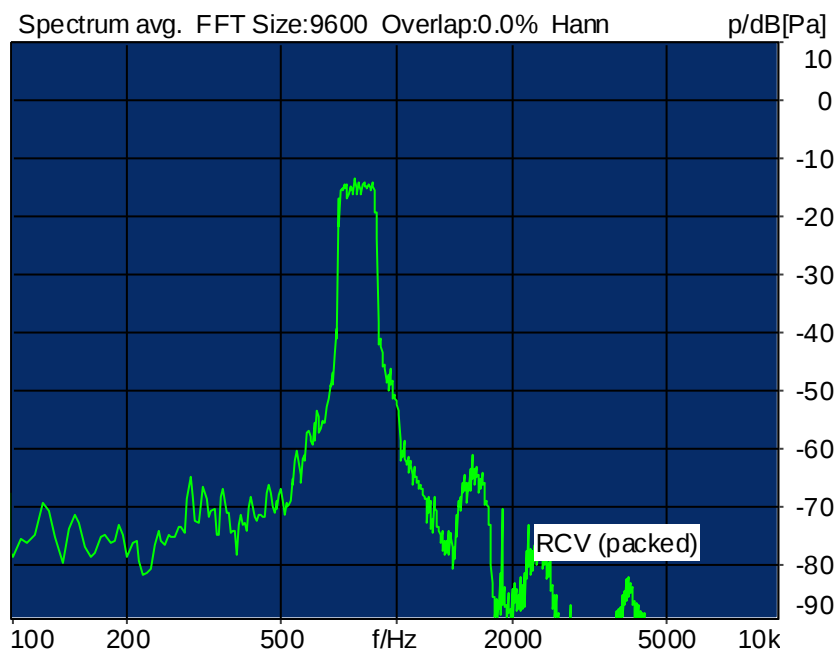
2026-03-17 上午 11:08 ACQUA 6.2.210

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): 35.84 dB (1.61%) Ok

Ok

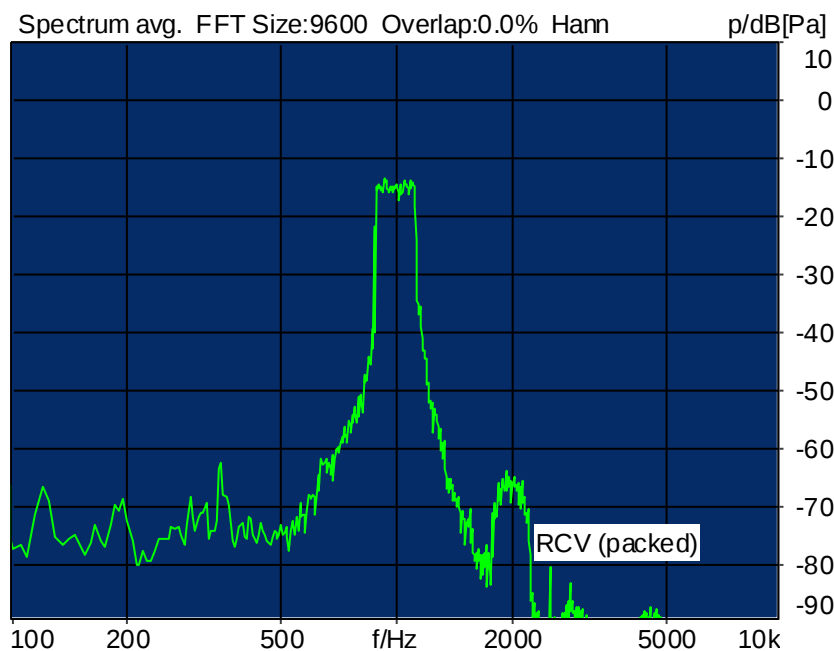
2026-03-17 上午 11:09 ACQUA 6.2.210

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): 32.91 dB (2.26%) Ok

Ok

2026-03-17 上午 11:09 ACQUA 6.2.210

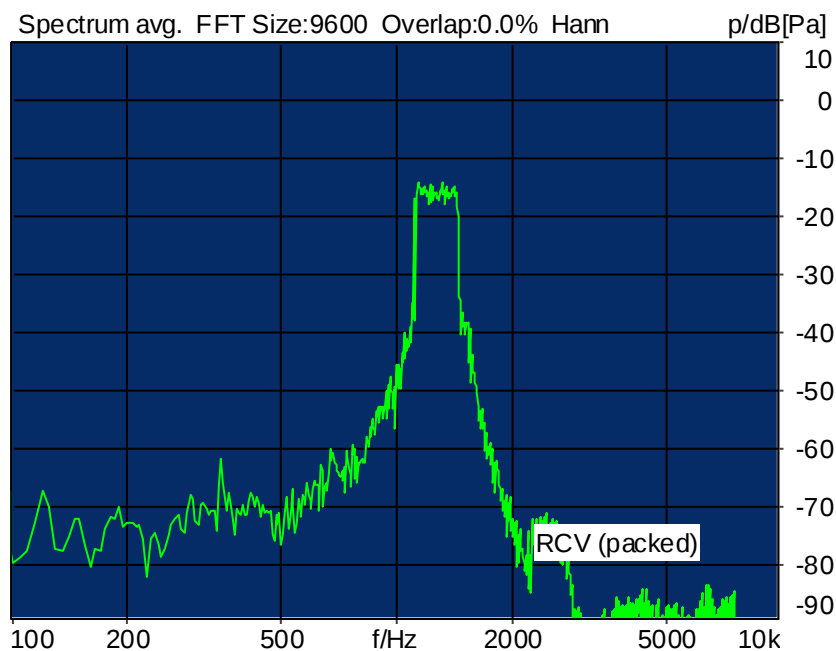
Limits

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): 25.16 dB (5.52%) Ok

Ok

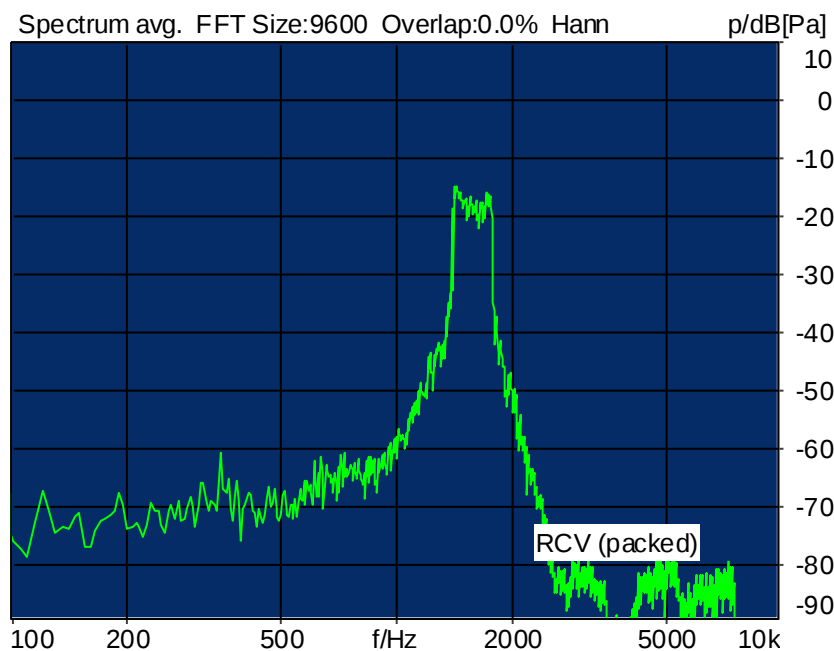
2026-03-17 上午 11:10 ACQUA 6.2.210

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): 24.93 dB (5.67%) Ok

Ok

2026-03-17 上午 11:10 ACQUA 6.2.210

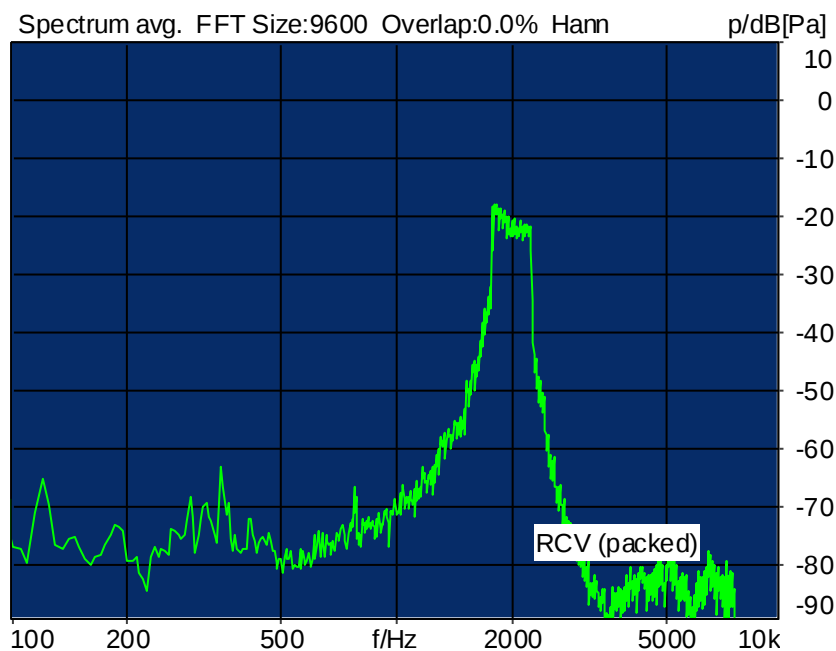
Limits

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): 21.36 dB (8.55%) Ok

Ok

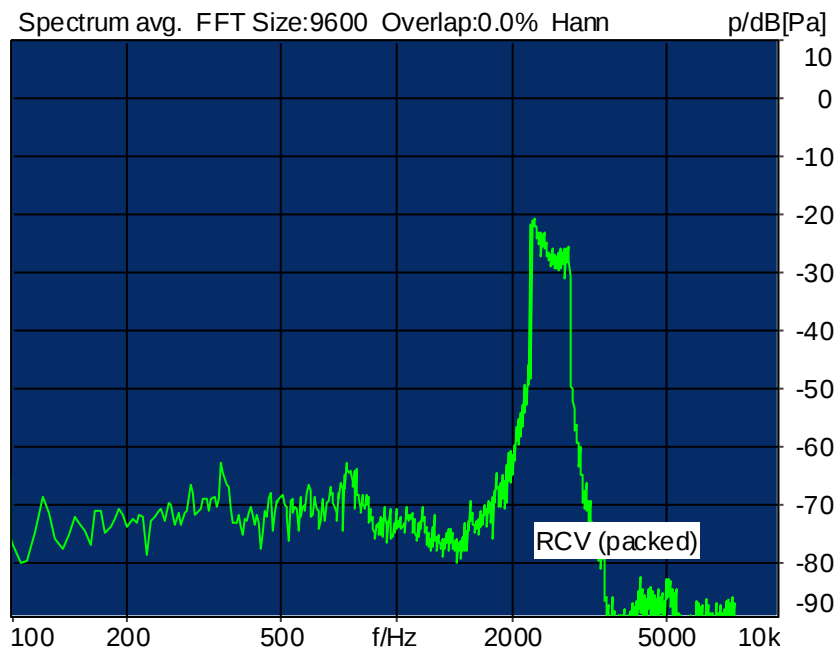
2026-03-17 上午 11:11 ACQUA 6.2.210

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): 29.55 dB (3.33%) Ok

Ok

2026-03-17 上午 11:11 ACQUA 6.2.210

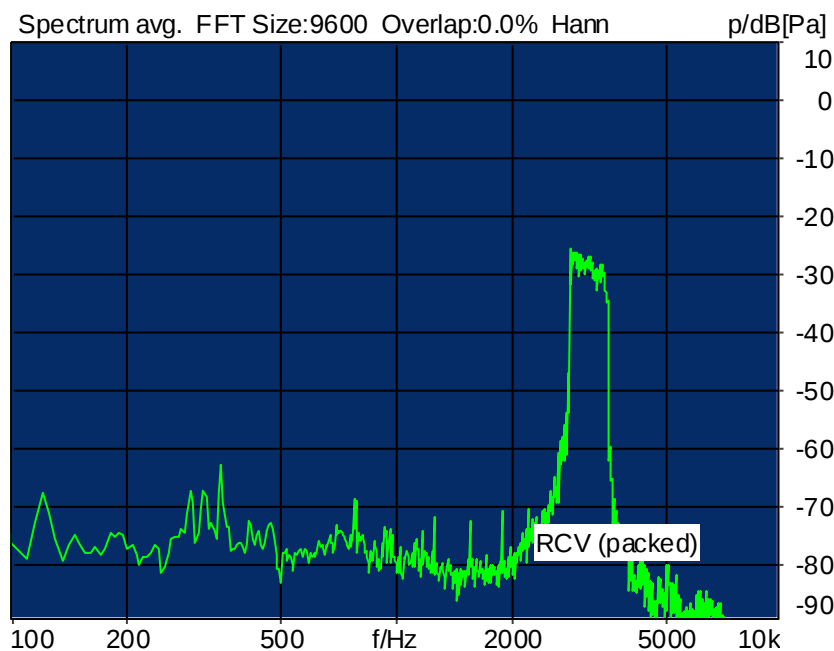
Limits

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): 33.89 dB (2.02%) Ok

Ok

2026-03-17 上午 11:12 ACQUA 6.2.210

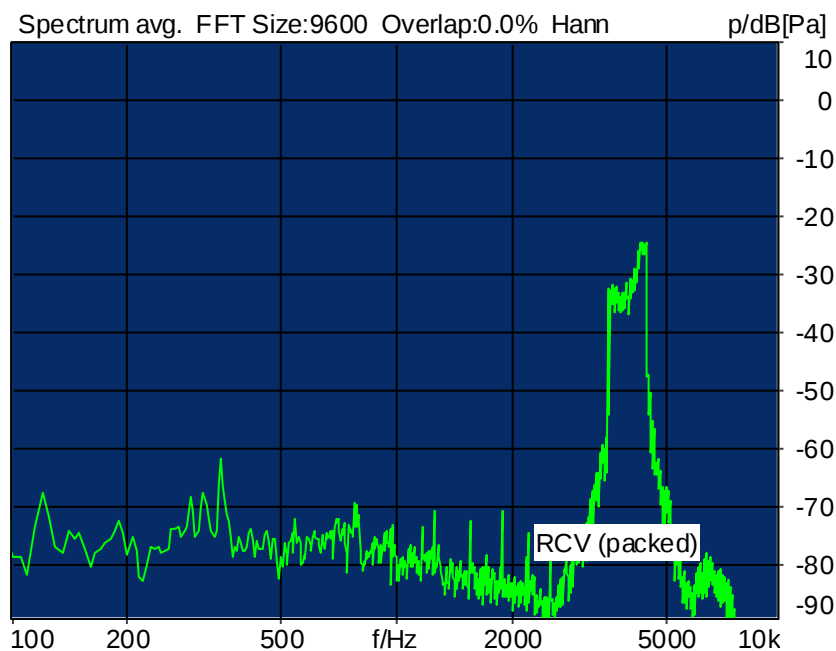
Limits

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): 28.52 dB (3.75%) Ok

Ok

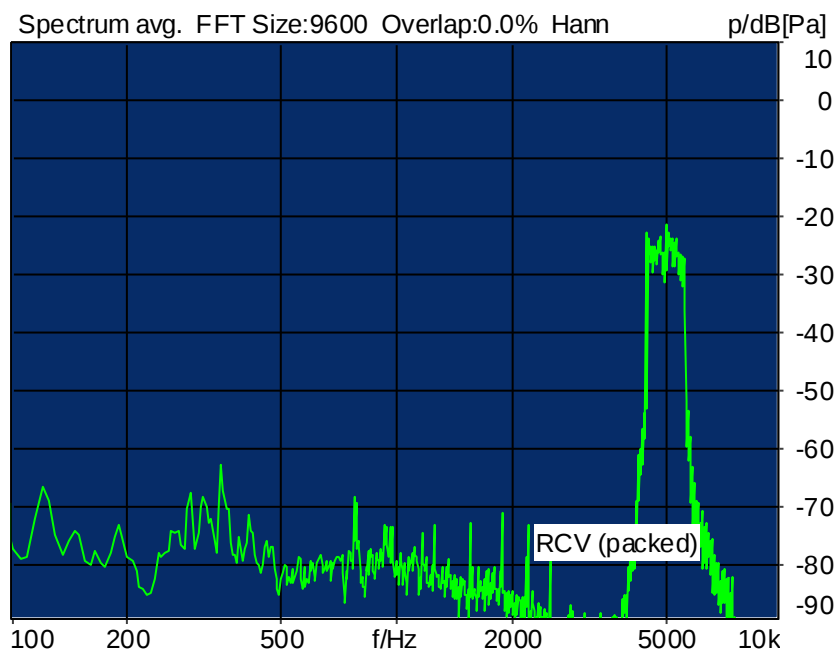
2026-03-17 上午 11:12 ACQUA 6.2.210

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): 36.26 dB (1.54%) Ok

Ok

2026-03-17 上午 11:13 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	36.47 dB
2	315Hz	35.97 dB
3	400Hz	36.71 dB
4	500Hz	33.42 dB
5	630Hz	35.67 dB
6	800Hz	35.84 dB
7	1000Hz	32.91 dB
8	1250Hz	25.16 dB
9	1600Hz	24.93 dB
10	2000Hz	21.36 dB
11	2500Hz	29.55 dB
12	3150Hz	33.89 dB
13	4000Hz	28.52 dB
14	5000Hz	36.26 dB

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

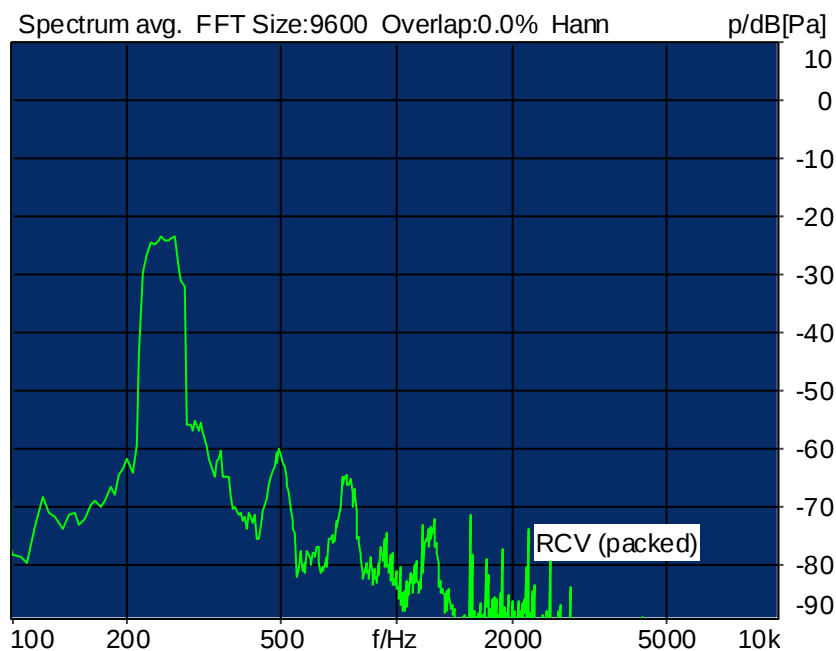
Smallest SDNR was 21.36dB at 2000Hz.

2026-03-17 上午 11:13 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): 35.60 dB (1.66%) Ok

Ok

2026-03-17 上午 11:15 ACQUA 6.2.210

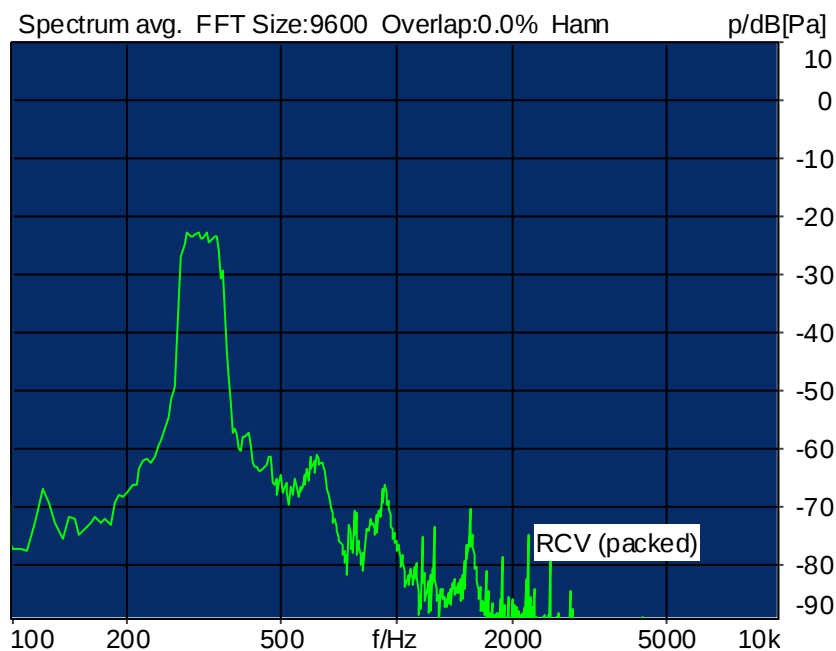
Limits

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): 35.55 dB (1.67%) Ok

Ok

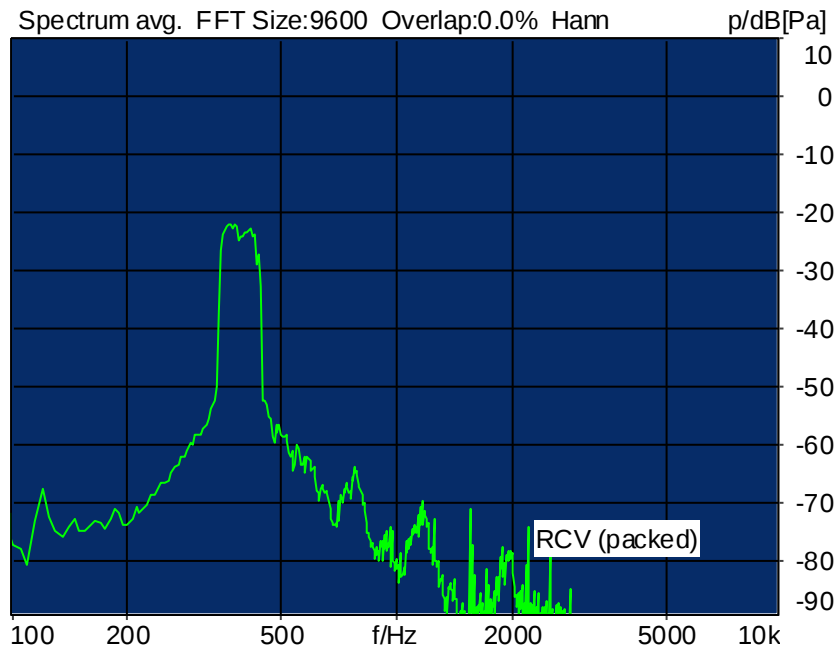
2026-03-17 上午 11:15 ACQUA 6.2.210

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): 35.71 dB (1.64%) Ok

Ok

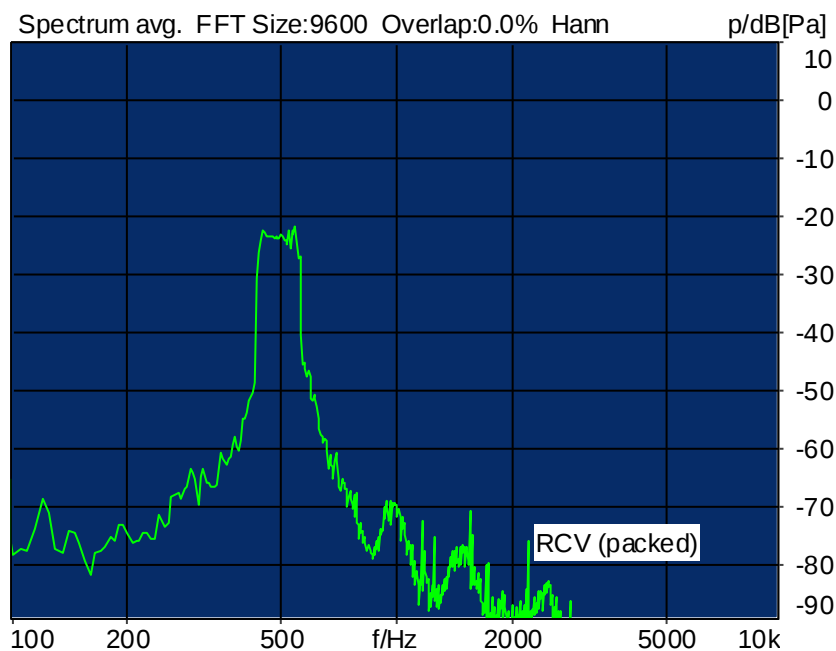
2026-03-17 上午 11:16 ACQUA 6.2.210

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): 33.70 dB (2.07%) Ok

Ok

2026-03-17 上午 11:16 ACQUA 6.2.210

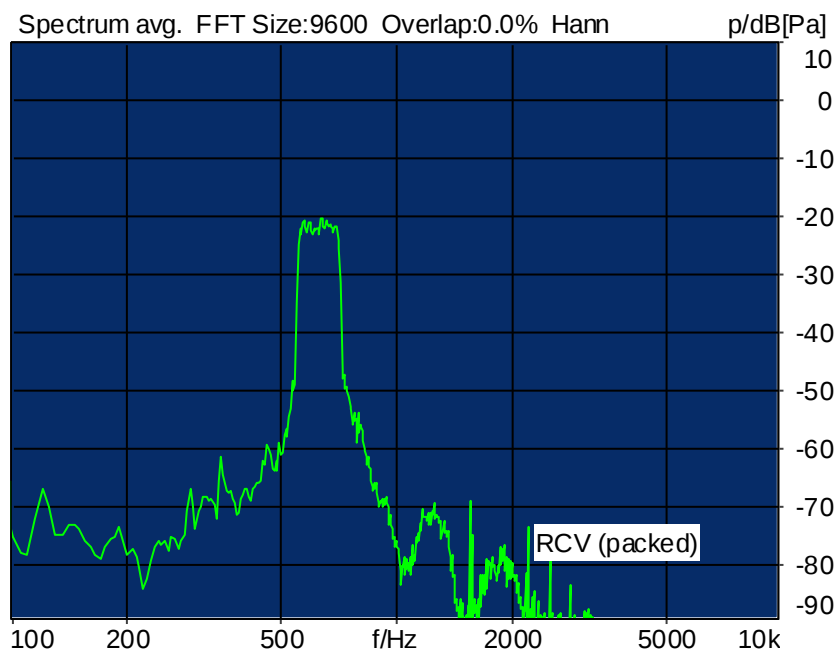
Limits

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): 35.50 dB (1.68%) Ok

Ok

2026-03-17 上午 11:17 ACQUA 6.2.210

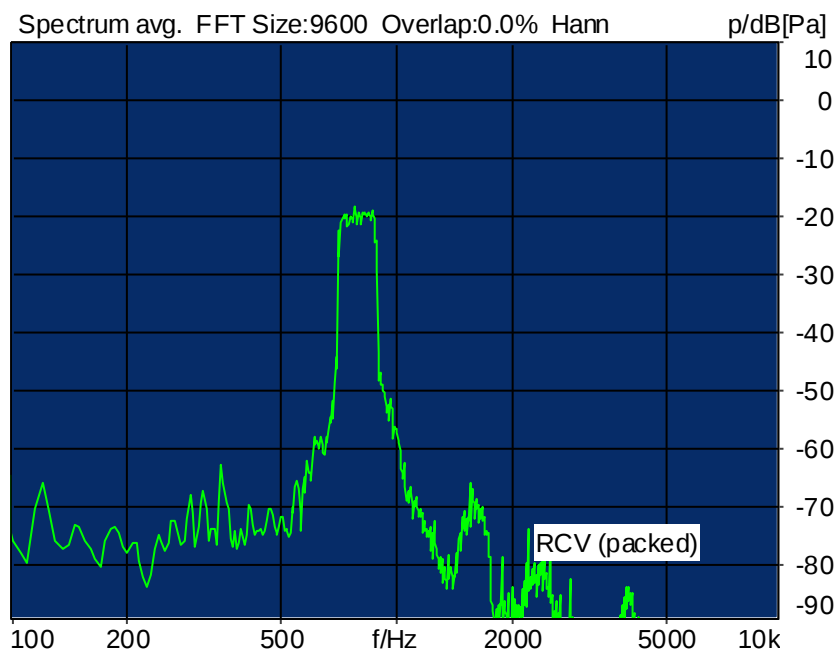
Limits

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): 35.56 dB (1.67%) Ok

Ok

2026-03-17 上午 11:17 ACQUA 6.2.210

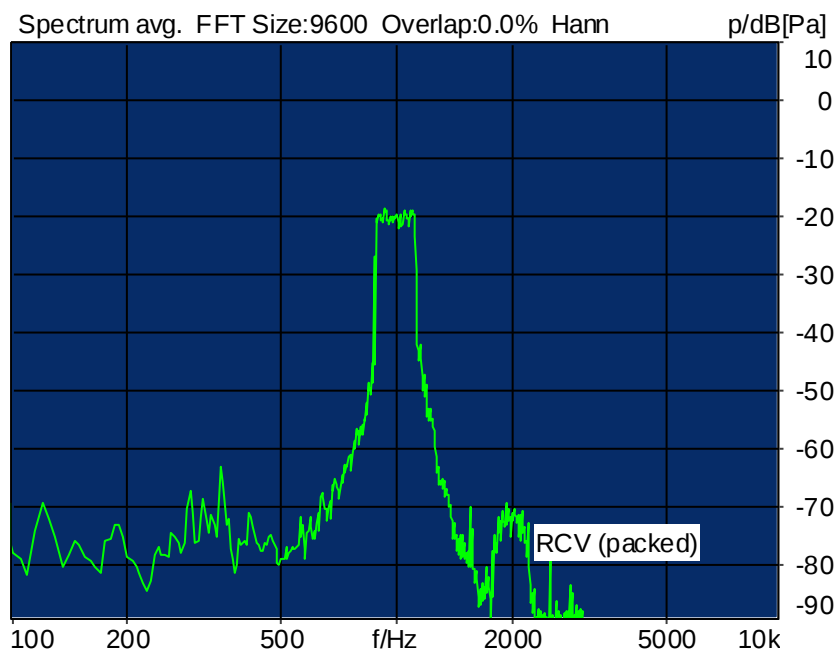
Limits

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): 32.90 dB (2.26%) Ok

Ok

2026-03-17 上午 11:18 ACQUA 6.2.210

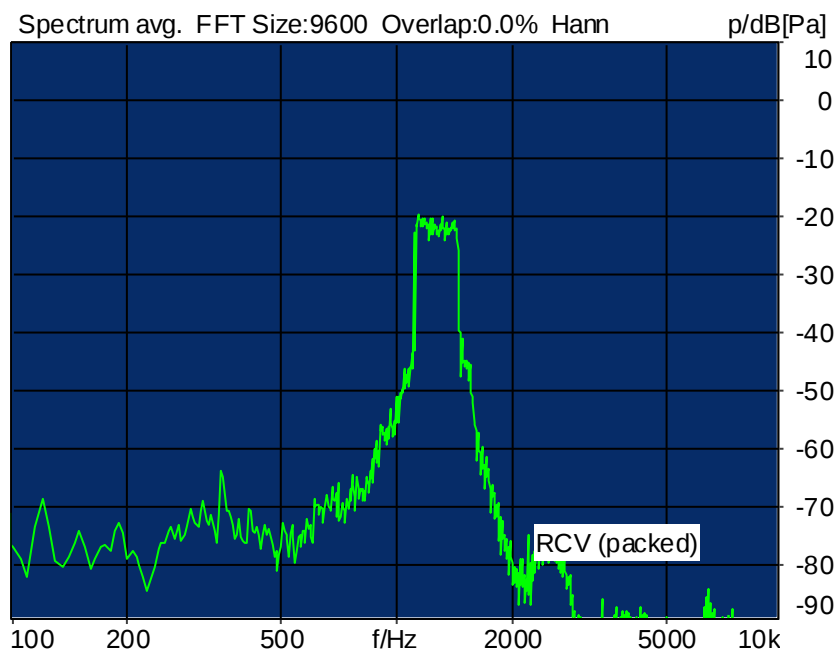
Limits

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): 25.34 dB (5.41%) Ok

Ok

2026-03-17 上午 11:18 ACQUA 6.2.210

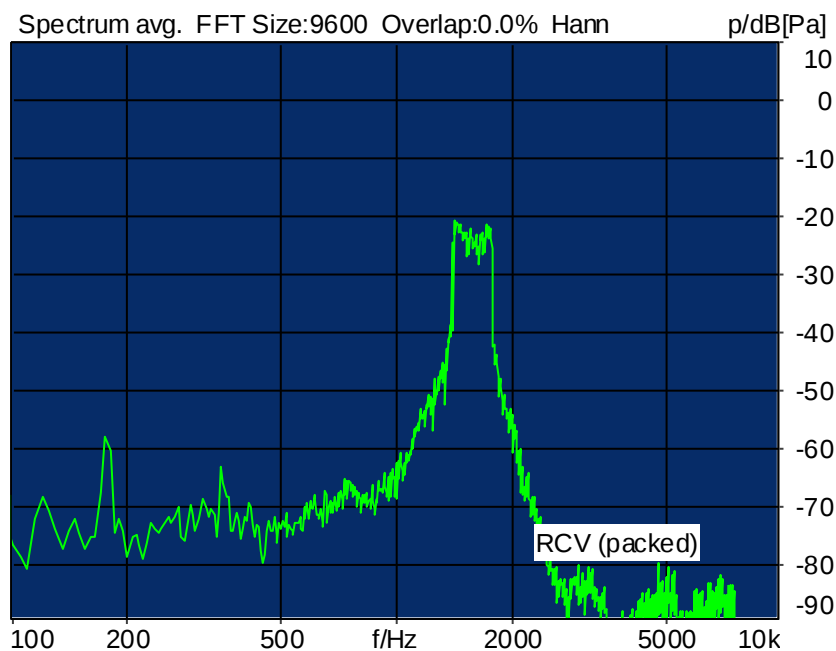
Limits

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): 24.58 dB (5.90%) Ok

Ok

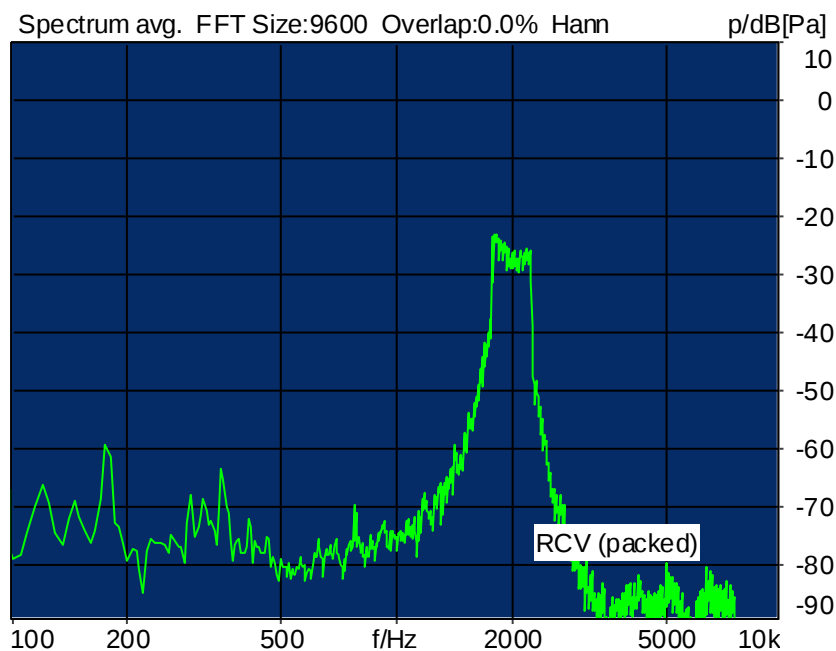
2026-03-17 上午 11:19 ACQUA 6.2.210

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): 21.91 dB (8.03%) Ok

Ok

2026-03-17 上午 11:19 ACQUA 6.2.210

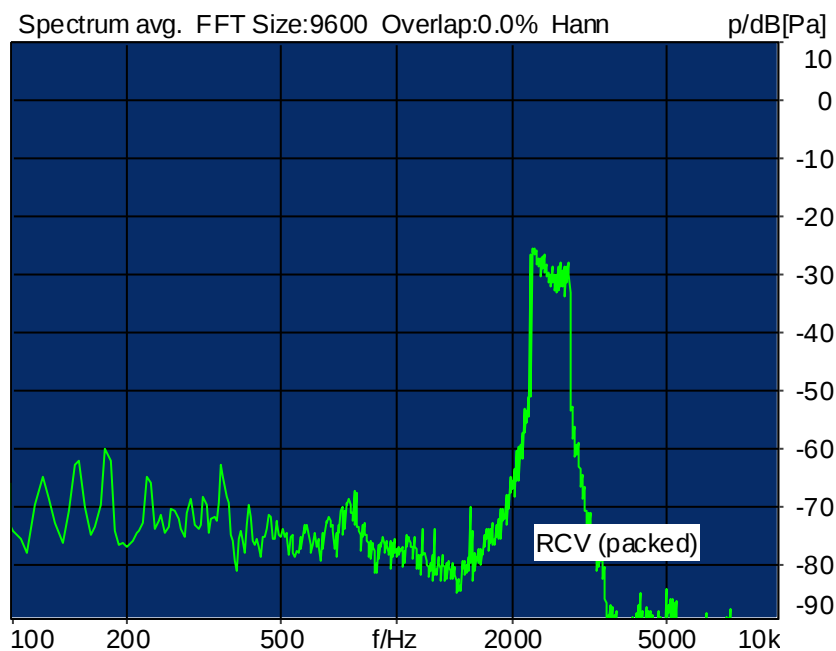
Limits

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): 30.13 dB (3.12%) Ok

Ok

2026-03-17 上午 11:20 ACQUA 6.2.210

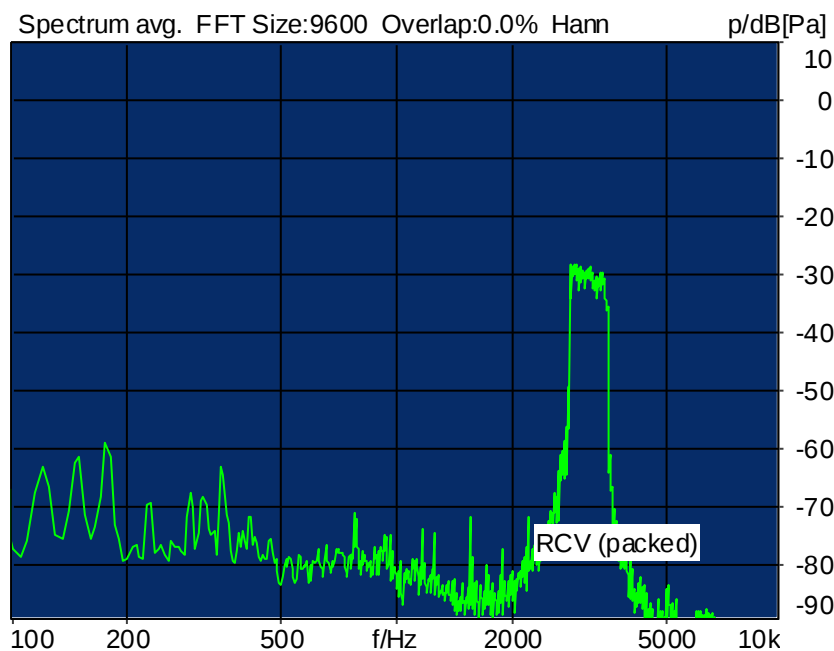
Limits

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): 34.60 dB (1.86%) Ok

Ok

2026-03-17 上午 11:20 ACQUA 6.2.210

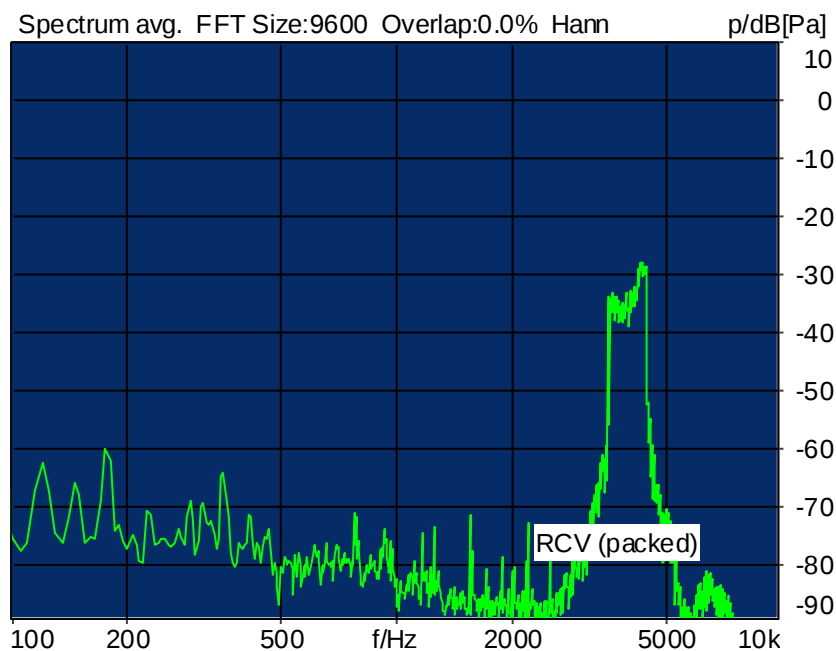
Limits

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): 29.59 dB (3.31%) Ok

Ok

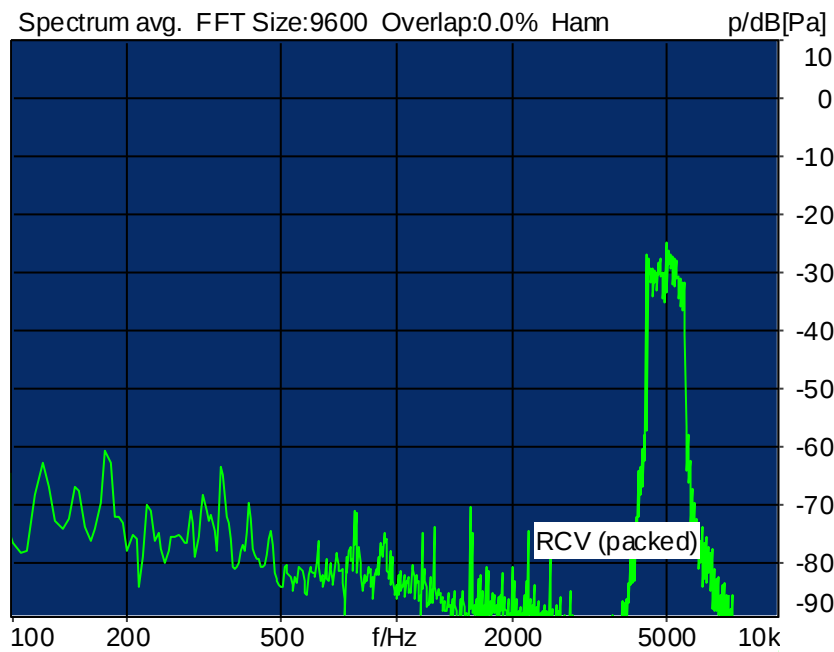
2026-03-17 上午 11:21 ACQUA 6.2.210

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): 36.39 dB (1.52%) Ok

Ok

2026-03-17 上午 11:21 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	35.60 dB
2	315Hz	35.55 dB
3	400Hz	35.71 dB
4	500Hz	33.70 dB
5	630Hz	35.50 dB
6	800Hz	35.56 dB
7	1000Hz	32.90 dB
8	1250Hz	25.34 dB
9	1600Hz	24.58 dB
10	2000Hz	21.91 dB
11	2500Hz	30.13 dB
12	3150Hz	34.60 dB
13	4000Hz	29.59 dB
14	5000Hz	36.39 dB

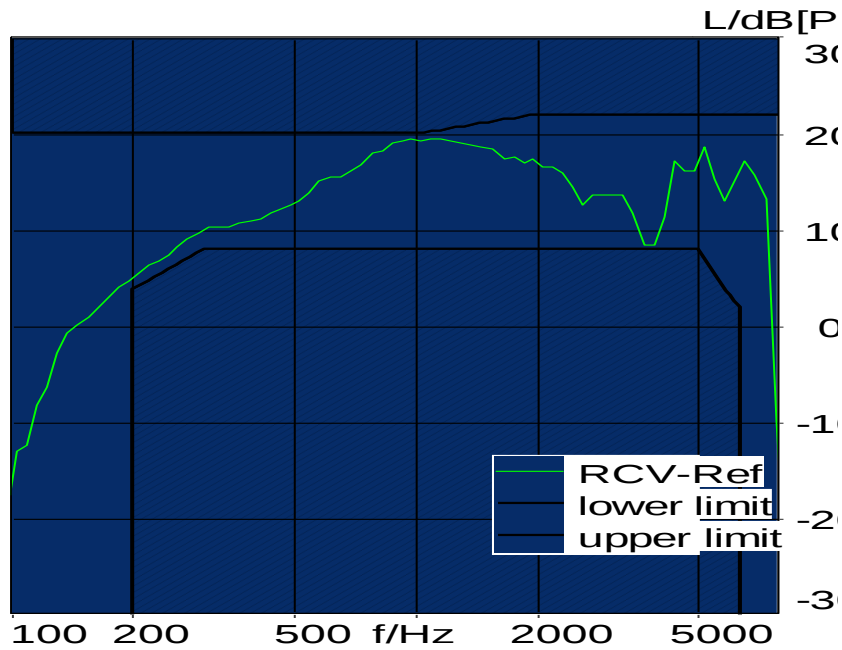
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.91dB at 2000Hz.

2026-03-17 上午 11:21 ACQUA

5.3 Frequency Response 8N DF

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



Absolute minimal distance

0.44 dB at 974.0 Hz Ok

Ok

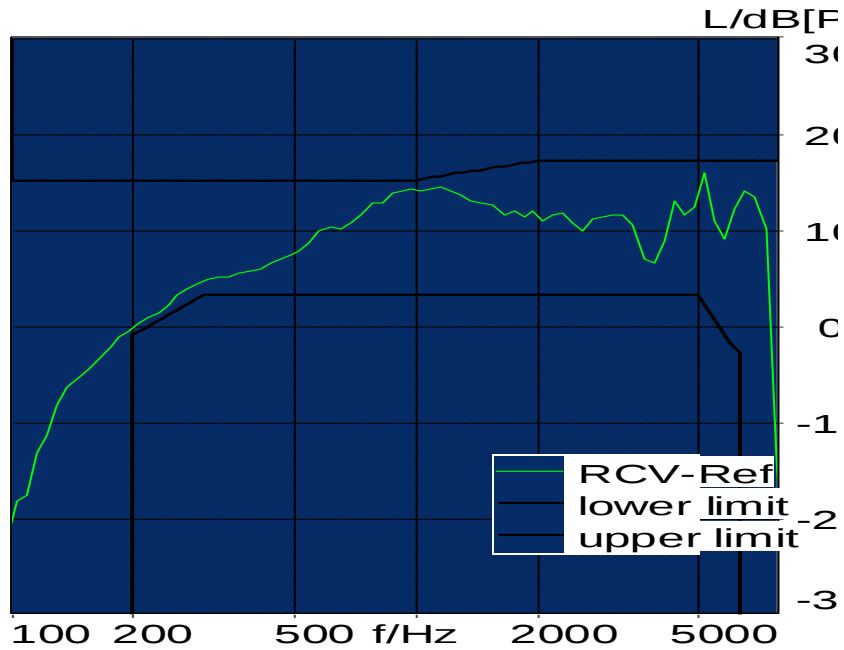
2026-03-17 上午 11:13 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF

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



Absolute minimal distance

0.84 dB at 205.7 Hz Ok

Ok

2026-03-17 上午 11:22 ACQUA 6.2.210

Limits

lower
Fit into tolerance

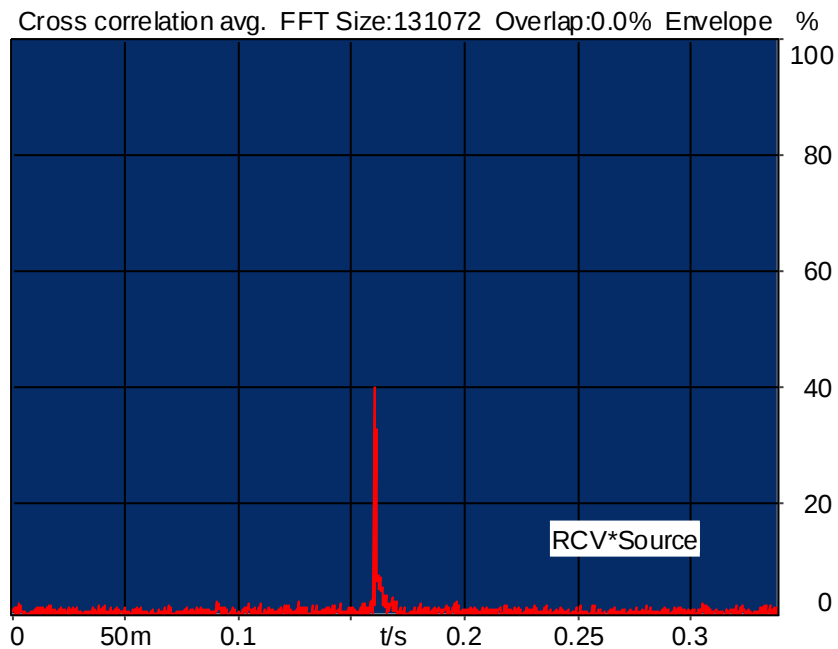
#2 NR n70 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	161.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	86.17
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	81.30
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.42
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.12
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.58
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.62
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.26
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.77
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.96
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.47
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.78
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.36
5.2 RCV Distortion and Noise - 2500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.85
5.2 RCV Distortion and Noise - 3150 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.16
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.09
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.45
Report - Receive Distortion and Noise (Conversational Gain) 8N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.36
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.43
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.54
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.17
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.44
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.96
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.67
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.86
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.88
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.45
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.38
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.04
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.96
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.66
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.19
Report - Receive Distortion and Noise (Conversational Gain) 2N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.38
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 1088.7 Hz	0.46
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 230.2 Hz	0.31



Overall Receive Delay WB

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

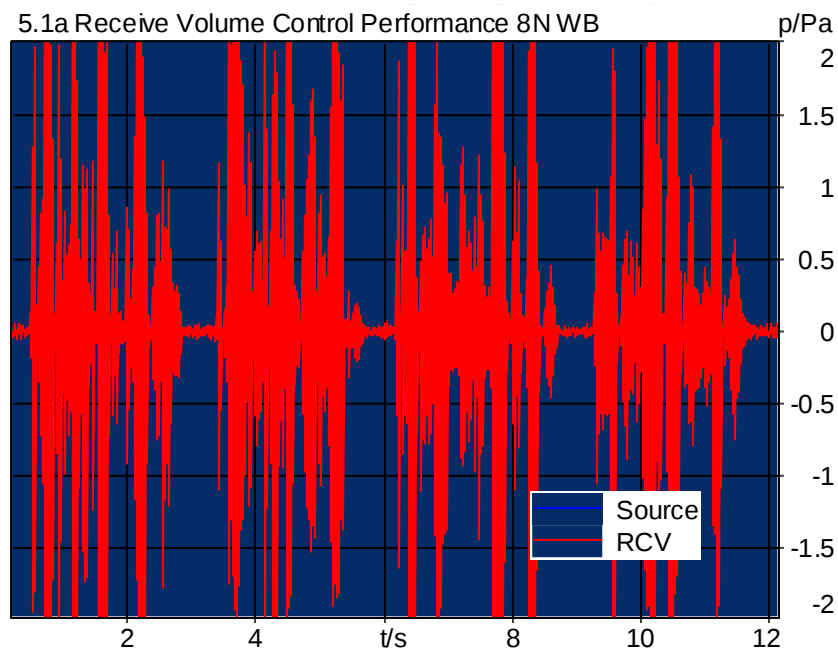


Channel	Delay	Correlation
RCV*Source	161.3 ms	40.08 %

2026-05-14 上午 11:59 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	86.17 dB[SPL]	81.97%	Ok

Ok

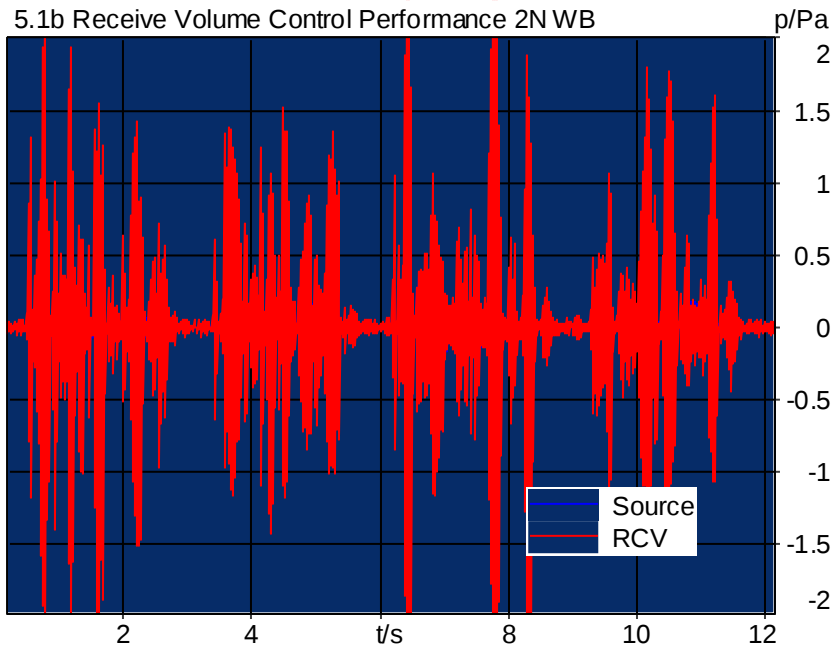
2026-05-14 上午 11:59 ACQUA 6.2.210

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	81.30 dB[SPL]	81.39%	Ok

Ok

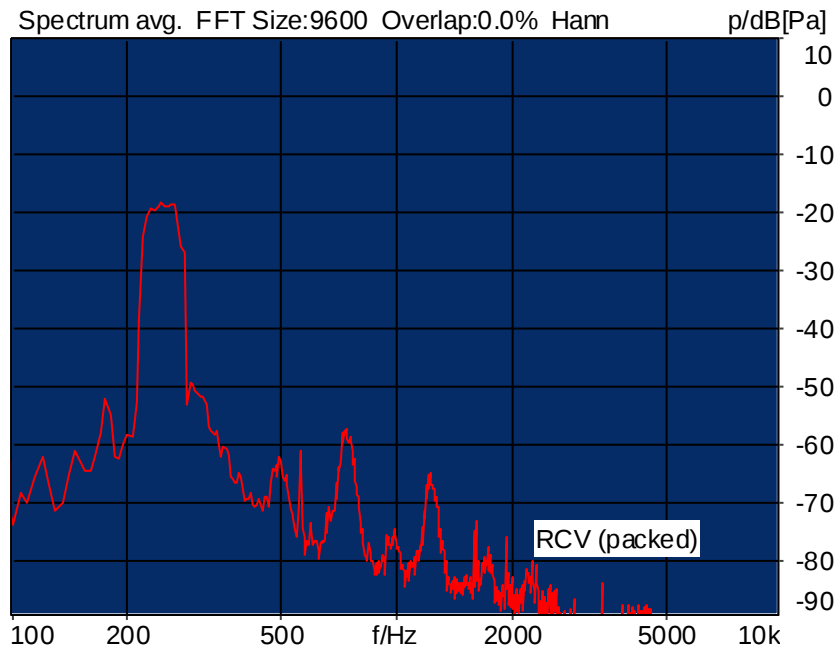
2026-05-14 下午 12:08 ACQUA 6.2.210

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): 36.42 dB (1.51%) Ok

Ok

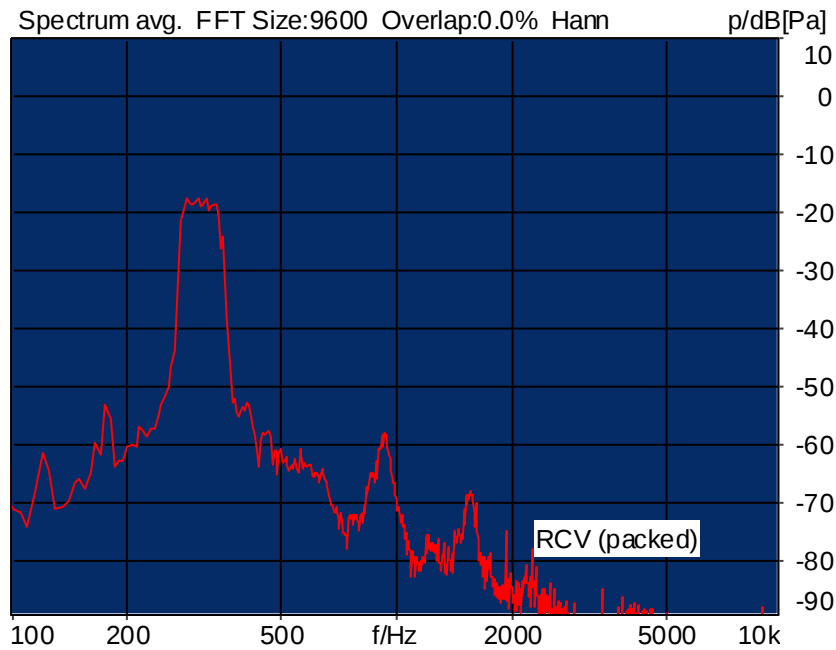
2026-05-14 下午 12:00 ACQUA 6.2.210

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): 36.12 dB (1.56%) Ok

Ok

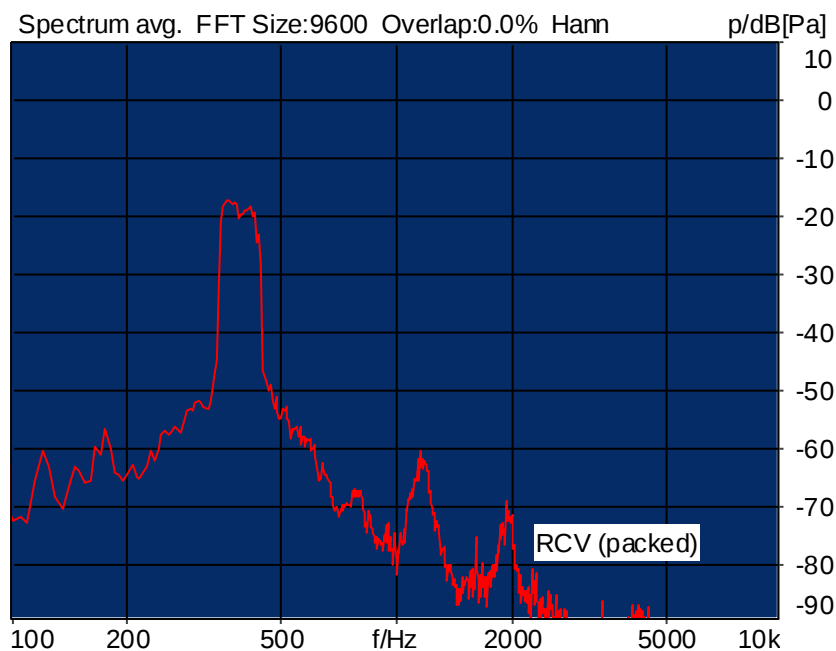
2026-05-14 下午 12:00 ACQUA 6.2.210

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): 35.58 dB (1.66%) Ok

Ok

2026-05-14 下午 12:01 ACQUA 6.2.210

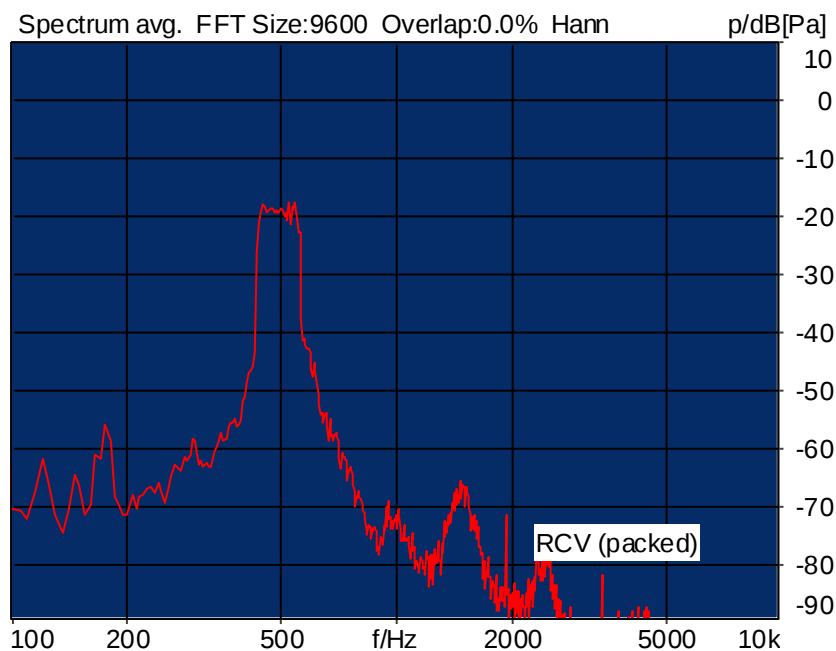
Limits

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): 33.62 dB (2.09%) Ok

Ok

2026-05-14 下午 12:01 ACQUA 6.2.210

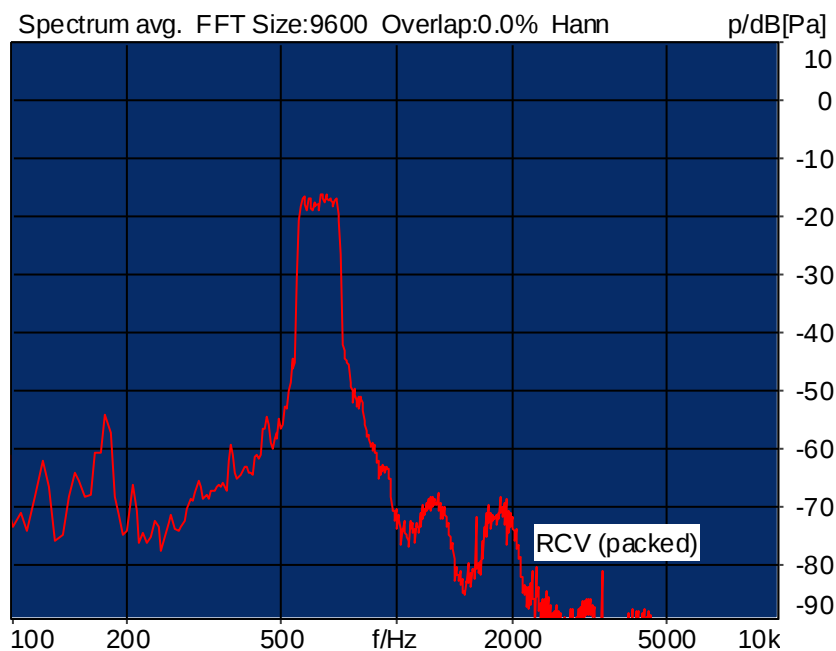
Limits

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): 35.26 dB (1.73%) Ok

Ok

2026-05-14 下午 12:02 ACQUA 6.2.210

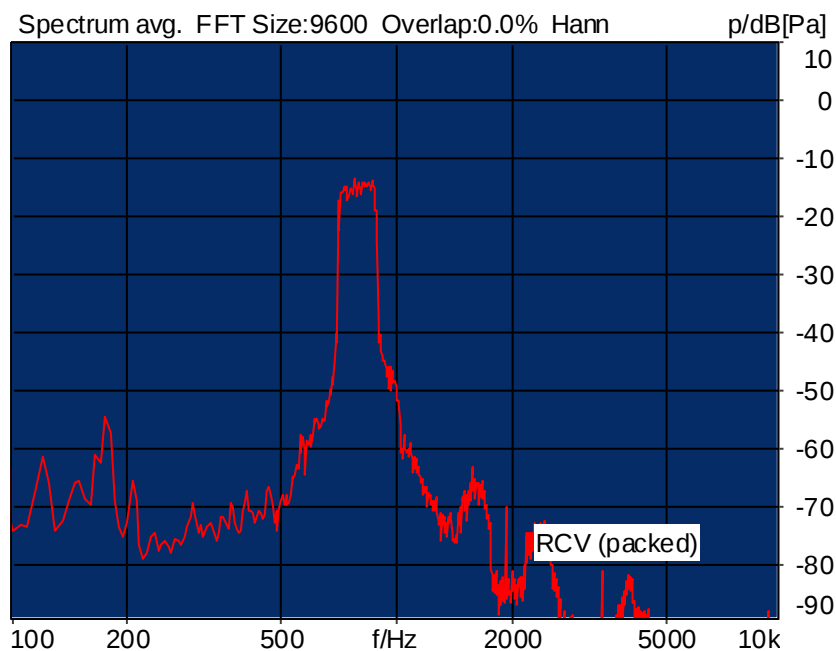
Limits

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): 34.77 dB (1.83%) Ok

Ok

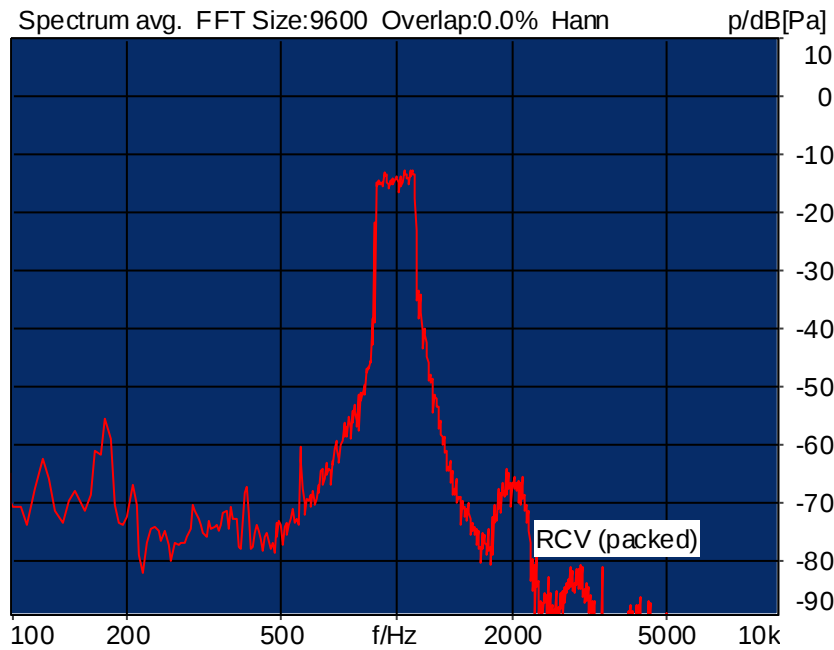
2026-05-14 下午 12:02 ACQUA 6.2.210

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): 31.96 dB (2.52%) Ok

Ok

2026-05-14 下午 12:03 ACQUA 6.2.210

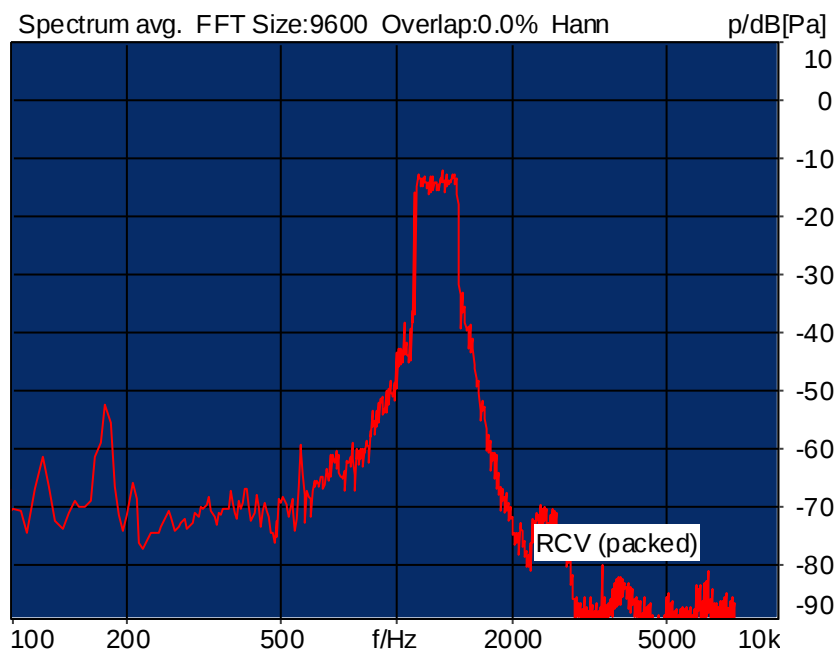
Limits

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): 25.47 dB (5.33%) Ok

Ok

2026-05-14 下午 12:03 ACQUA 6.2.210

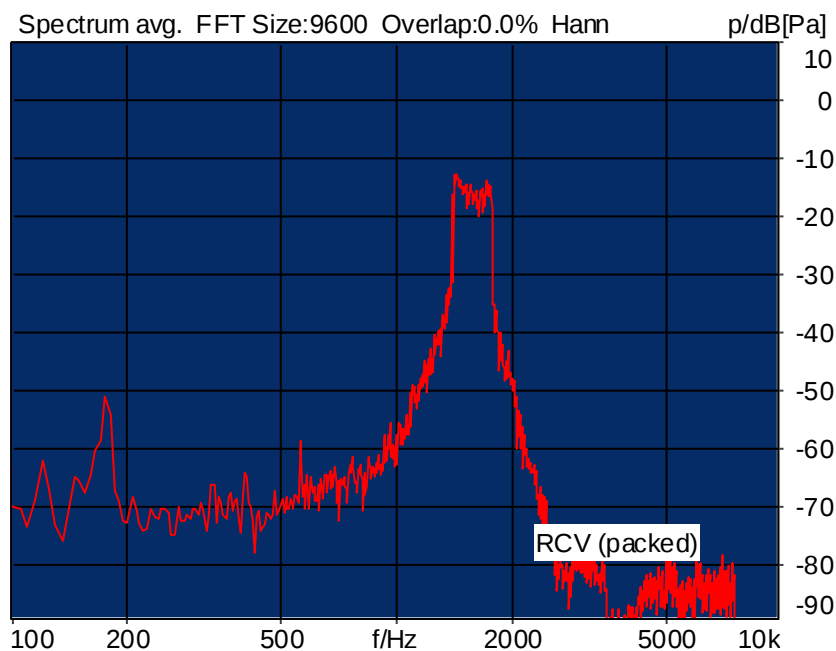
Limits

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): 24.78 dB (5.77%) Ok

Ok

2026-05-14 下午 12:04 ACQUA 6.2.210

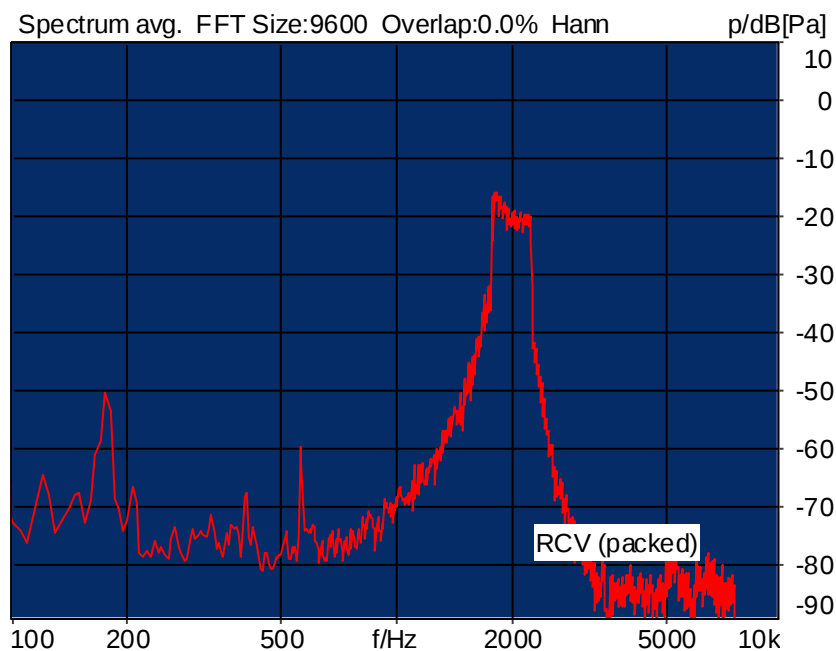
Limits

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): 21.36 dB (8.55%) Ok

Ok

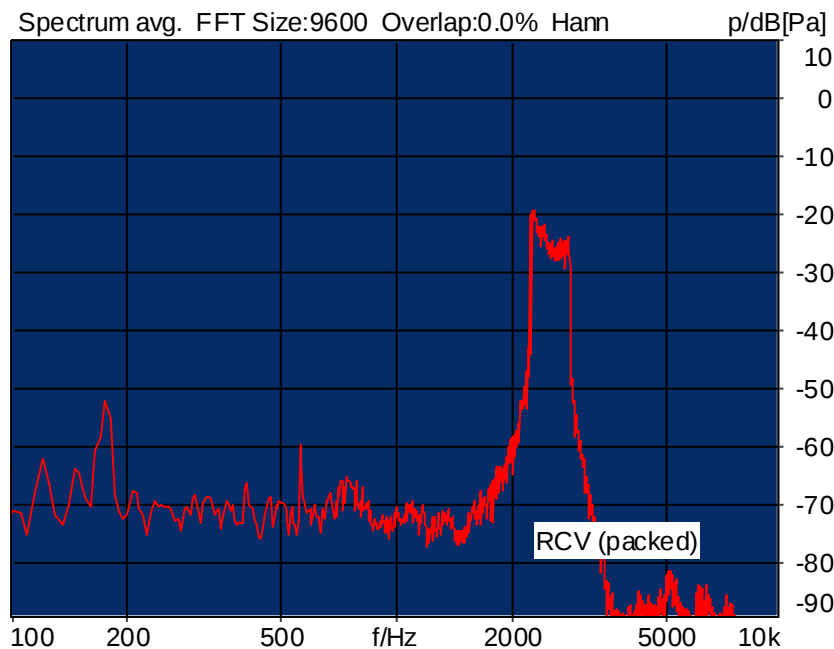
2026-05-14 下午 12:04 ACQUA 6.2.210

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): 29.85 dB (3.22%) Ok

Ok

2026-05-14 下午 12:05 ACQUA 6.2.210

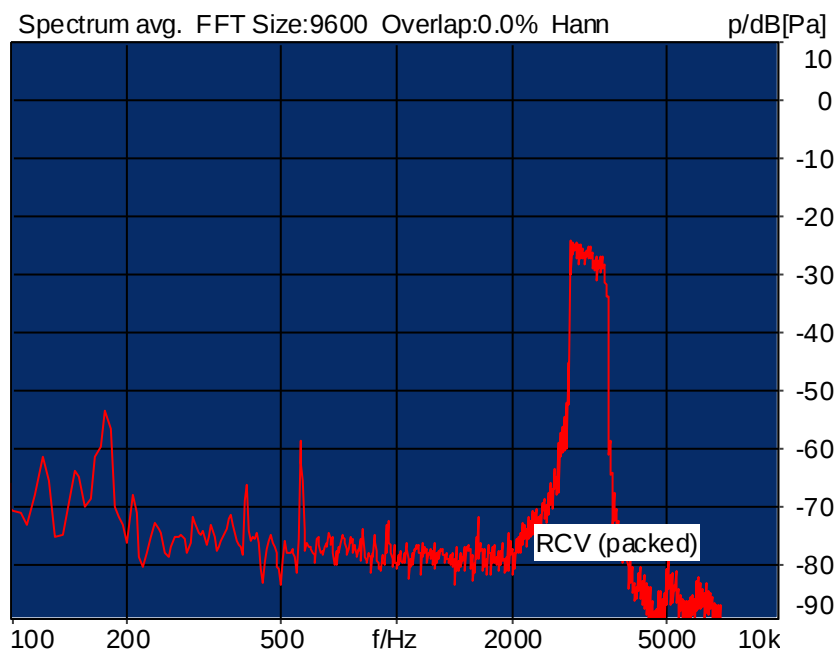
Limits

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): 34.16 dB (1.96%) Ok

Ok

2026-05-14 下午 12:05 ACQUA 6.2.210

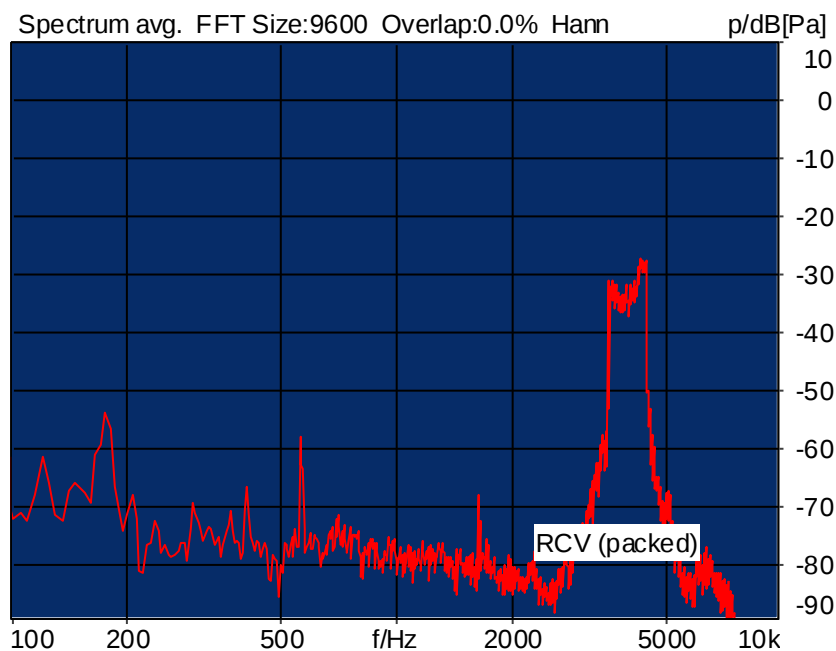
Limits

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): 28.09 dB (3.94%) Ok

Ok

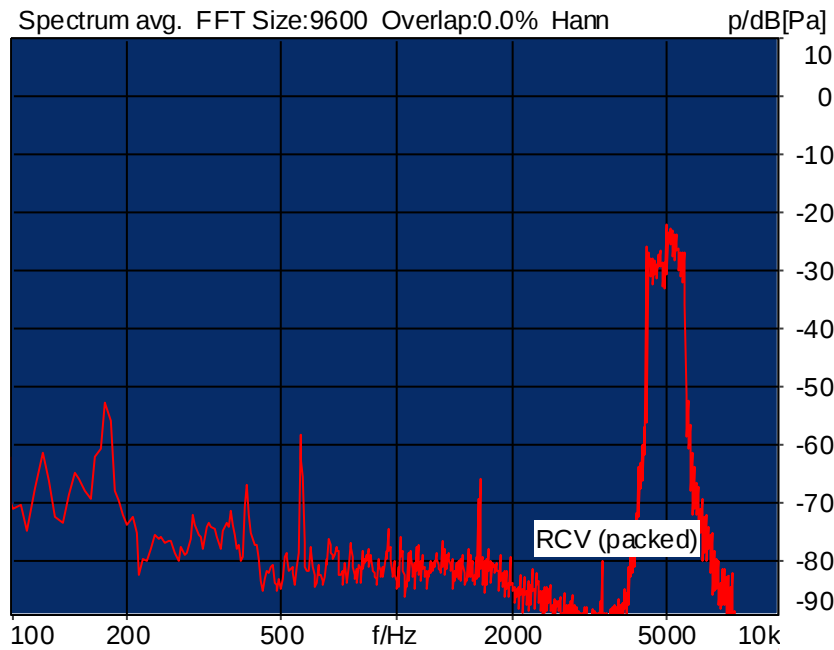
2026-05-14 下午 12:06 ACQUA 6.2.210

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): 35.45 dB (1.69%) Ok

Ok

2026-05-14 下午 12:07 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	36.42 dB
2	315Hz	36.12 dB
3	400Hz	35.58 dB
4	500Hz	33.62 dB
5	630Hz	35.26 dB
6	800Hz	34.77 dB
7	1000Hz	31.96 dB
8	1250Hz	25.47 dB
9	1600Hz	24.78 dB
10	2000Hz	21.36 dB
11	2500Hz	29.85 dB
12	3150Hz	34.16 dB
13	4000Hz	28.09 dB
14	5000Hz	35.45 dB

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

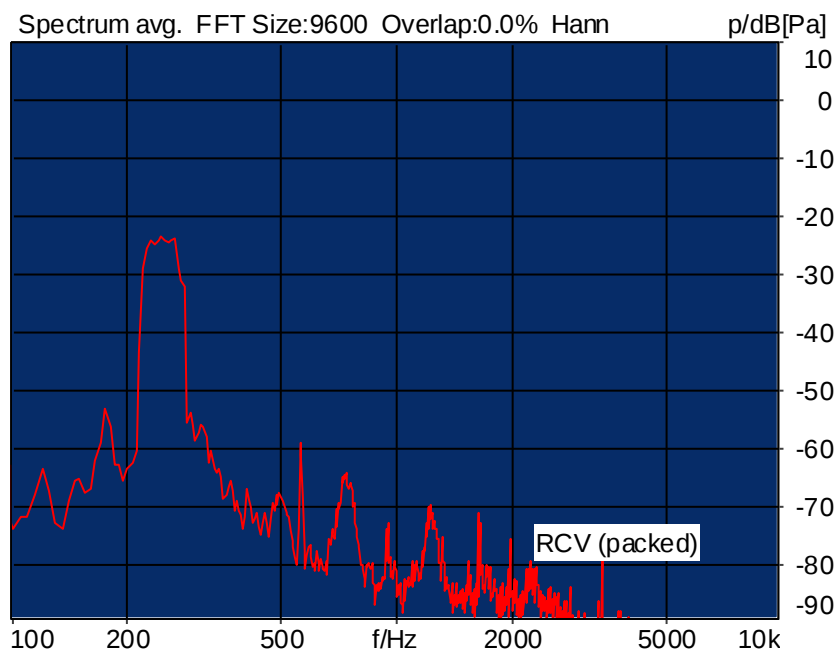
Smallest SDNR was 21.36dB at 2000Hz.

2026-05-14 下午 12:07 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): 35.43 dB (1.69%) Ok

Ok

2026-05-14 下午 12:08 ACQUA 6.2.210

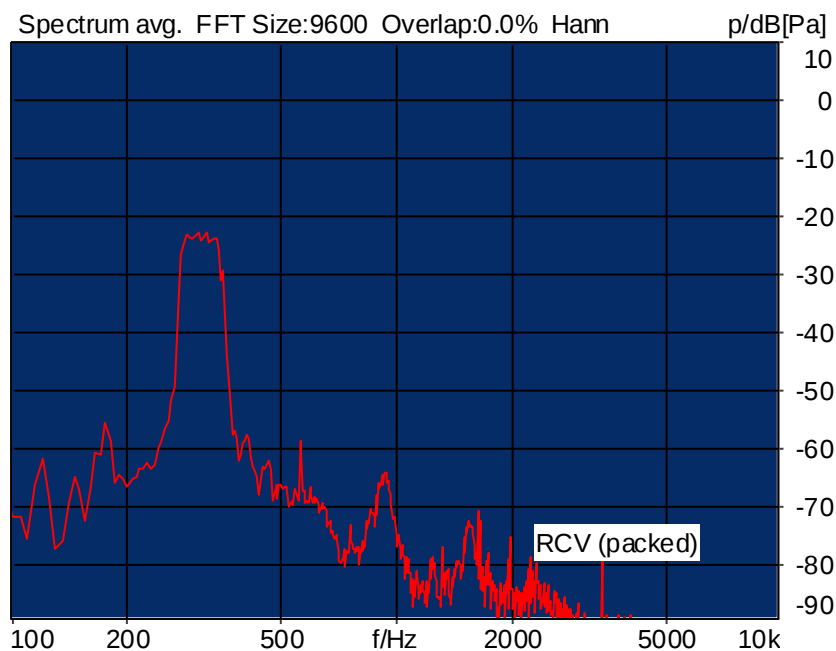
Limits

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): 35.54 dB (1.67%) Ok

Ok

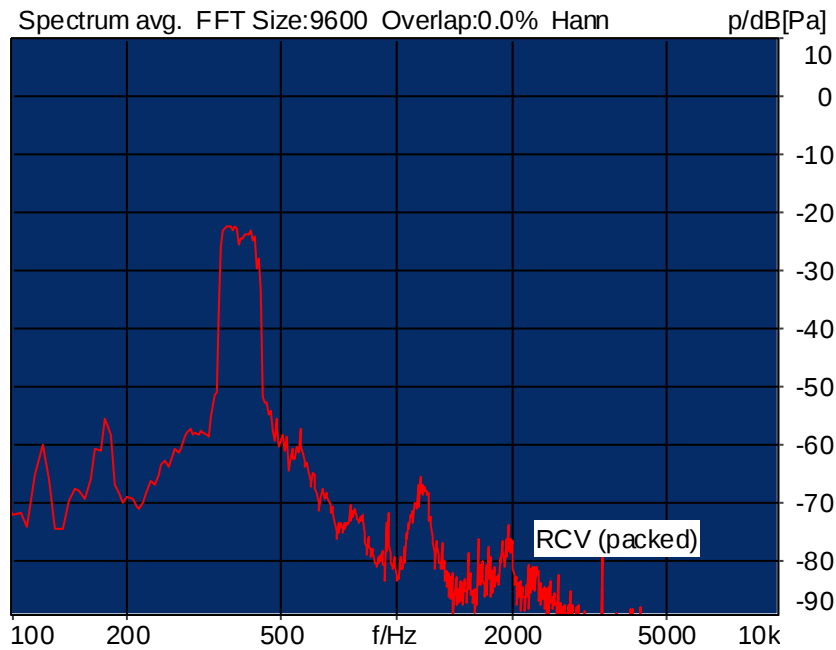
2026-05-14 下午 12:09 ACQUA 6.2.210

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): 35.17 dB (1.74%) Ok

Ok

2026-05-14 下午 12:09 ACQUA 6.2.210

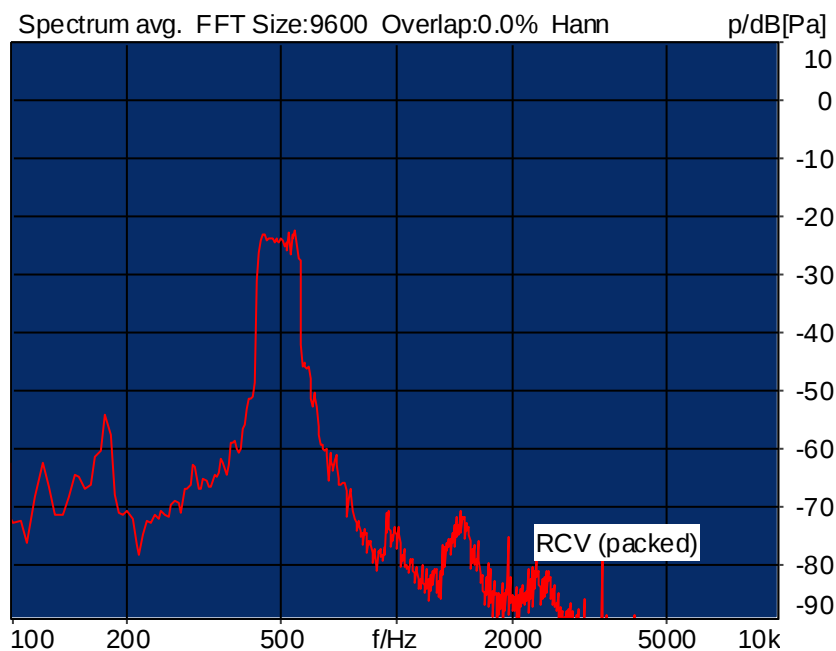
Limits

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): 33.44 dB (2.13%) Ok

Ok

2026-05-14 下午 12:10 ACQUA 6.2.210

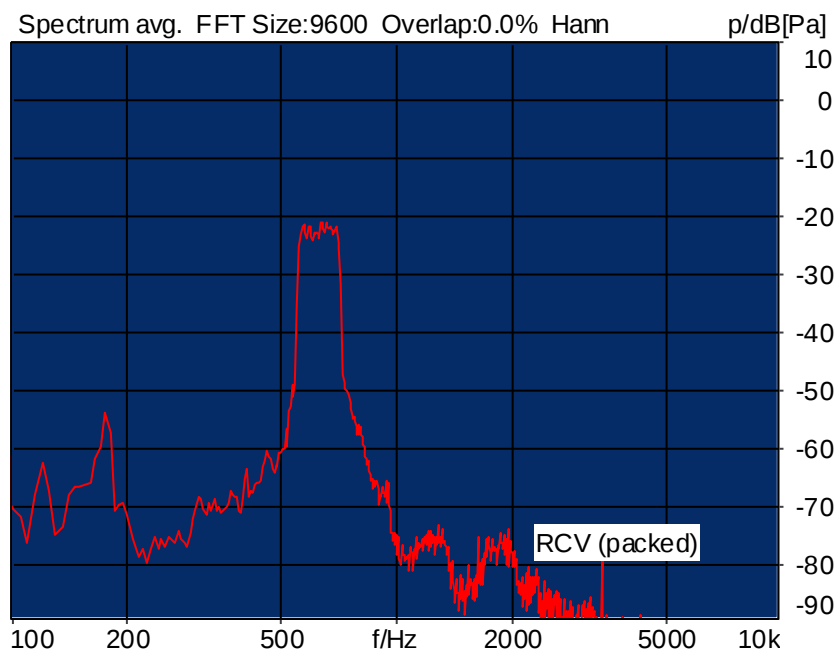
Limits

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): 34.96 dB (1.79%) Ok

Ok

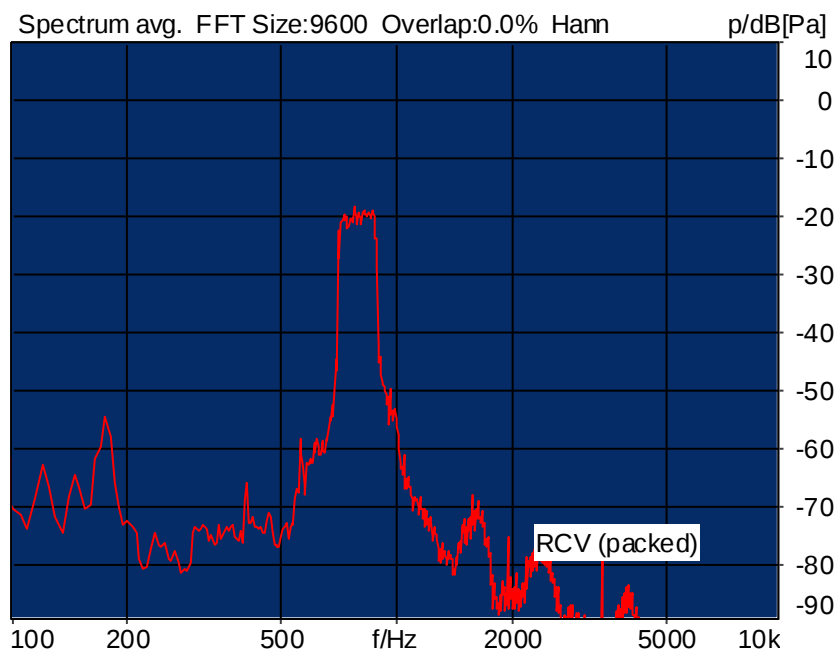
2026-05-14 下午 12:10 ACQUA 6.2.210

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): 34.67 dB (1.85%) Ok

Ok

2026-05-14 下午 12:11 ACQUA 6.2.210

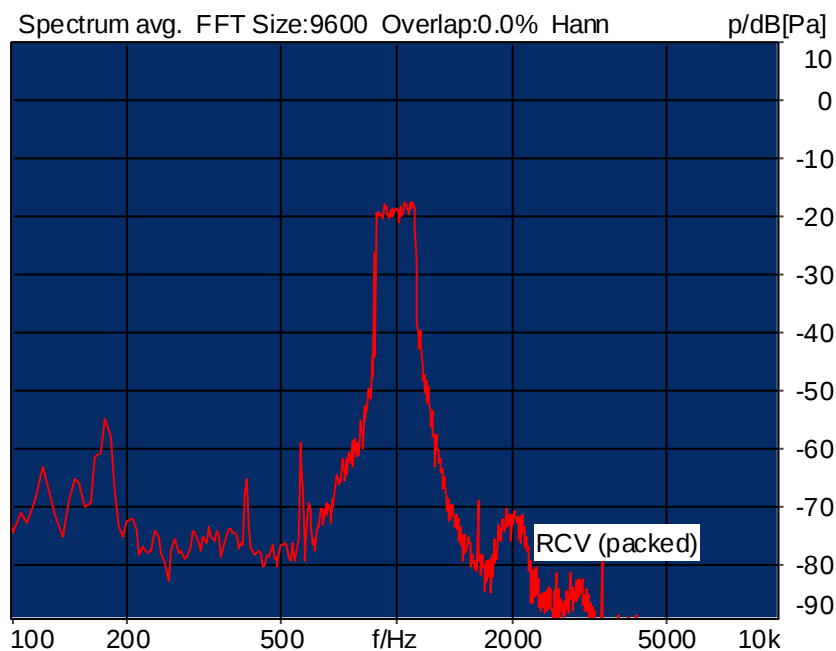
Limits

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): 32.86 dB (2.27%) Ok

Ok

2026-05-14 下午 12:12 ACQUA 6.2.210

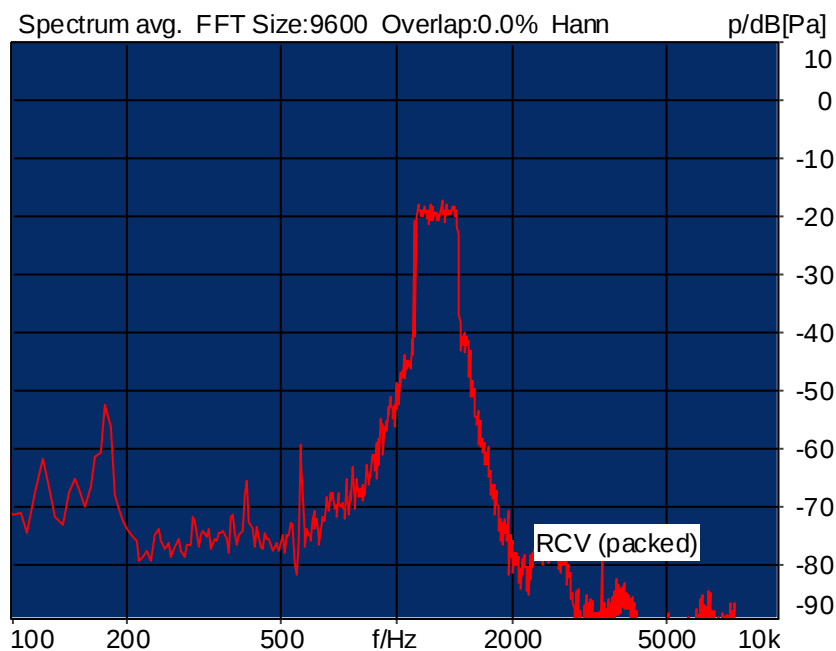
Limits

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): 24.88 dB (5.70%) Ok

Ok

2026-05-14 下午 12:12 ACQUA 6.2.210

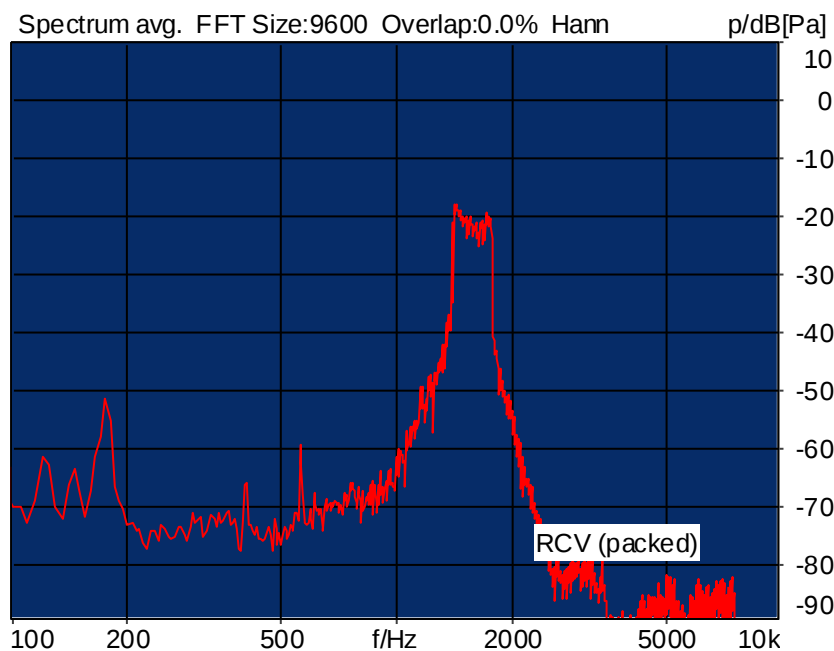
Limits

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): 24.45 dB (5.99%) Ok

Ok

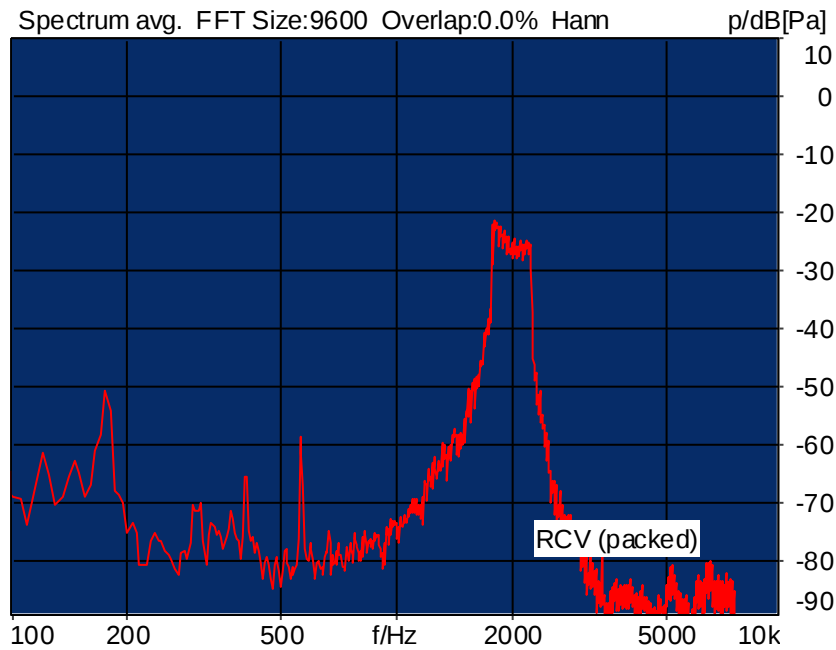
2026-05-14 下午 12:13 ACQUA 6.2.210

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): 21.38 dB (8.53%) Ok

Ok

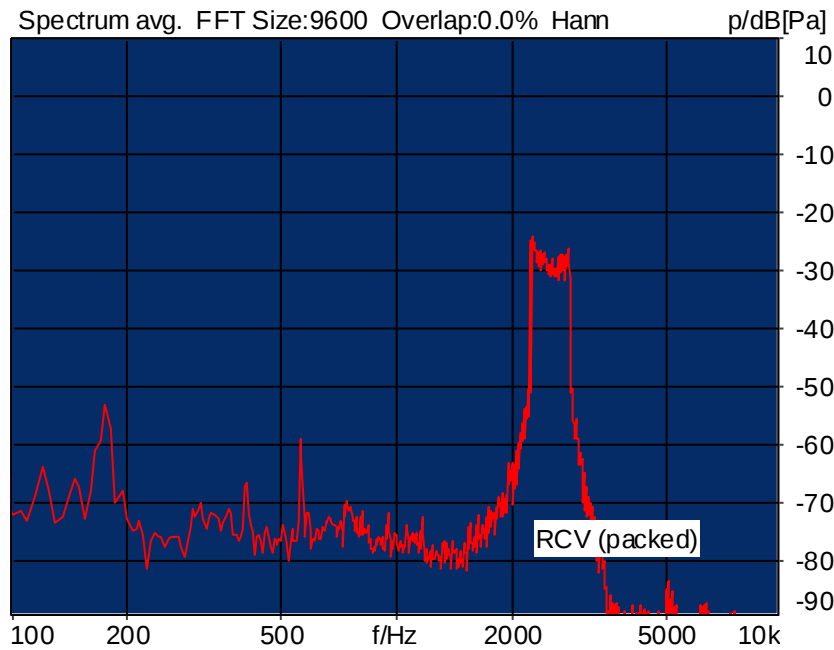
2026-05-14 下午 12:13 ACQUA 6.2.210

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): 30.04 dB (3.15%) Ok

Ok

2026-05-14 下午 12:14 ACQUA 6.2.210

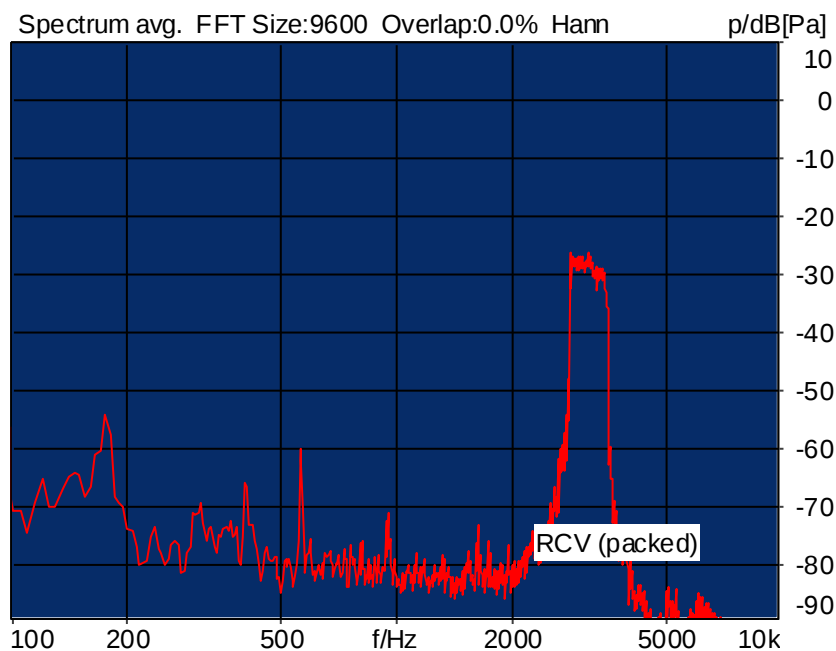
Limits

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): 34.96 dB (1.79%) Ok

Ok

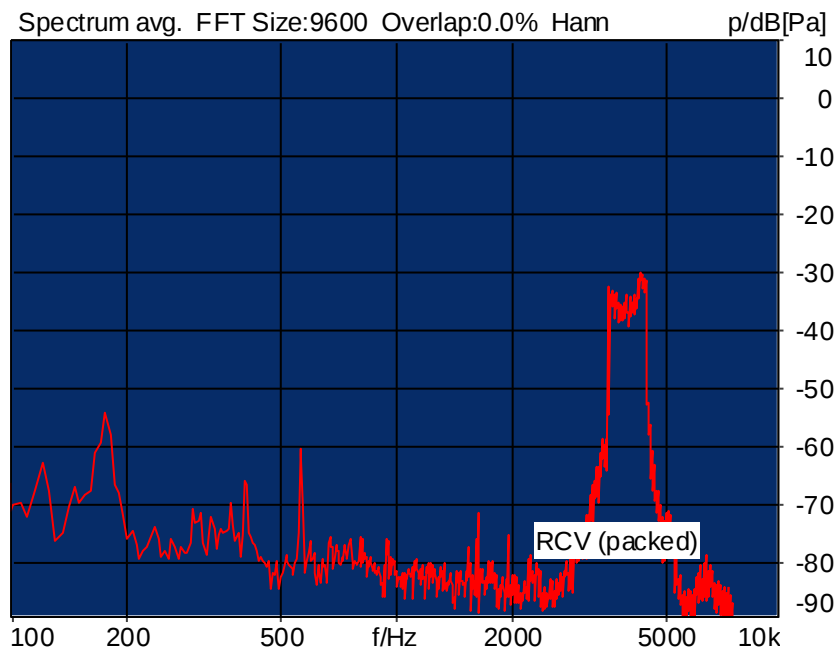
2026-05-14 下午 12:14 ACQUA 6.2.210

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): 27.66 dB (4.14%) Ok

Ok

2026-05-14 下午 12:15 ACQUA 6.2.210

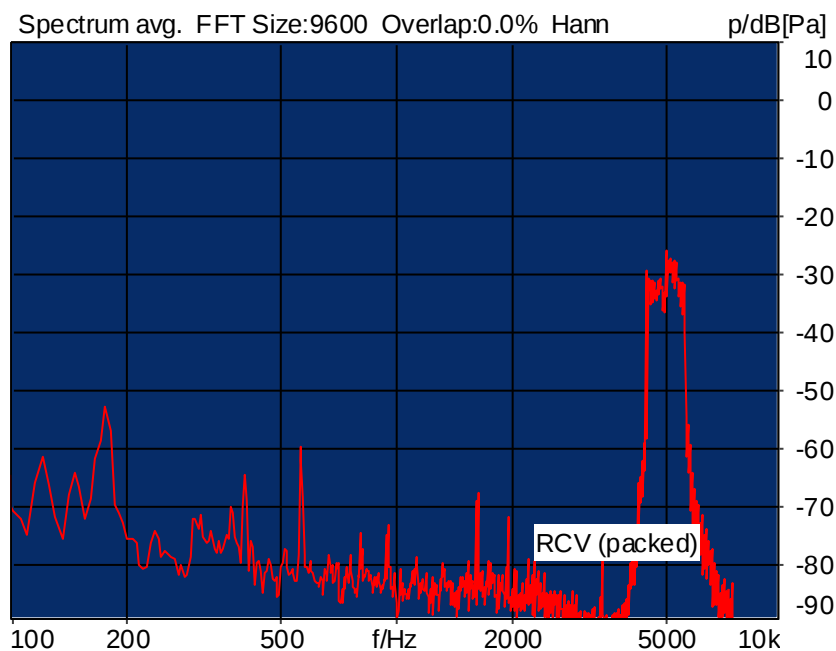
Limits

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): 34.19 dB (1.95%) Ok

Ok

2026-05-14 下午 12:15 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	35.43 dB
2	315Hz	35.54 dB
3	400Hz	35.17 dB
4	500Hz	33.44 dB
5	630Hz	34.96 dB
6	800Hz	34.67 dB
7	1000Hz	32.86 dB
8	1250Hz	24.88 dB
9	1600Hz	24.45 dB
10	2000Hz	21.38 dB
11	2500Hz	30.04 dB
12	3150Hz	34.96 dB
13	4000Hz	27.66 dB
14	5000Hz	34.19 dB

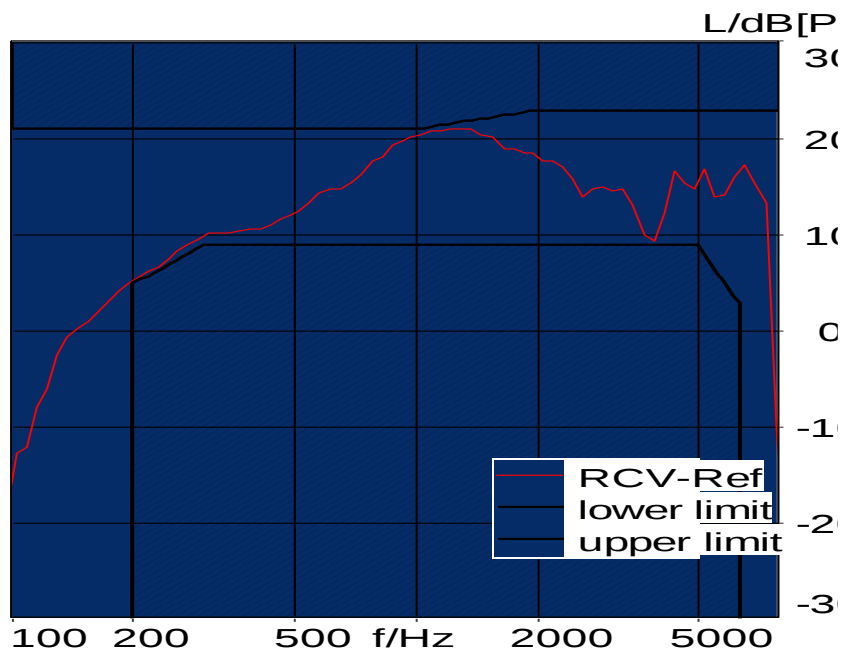
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.38dB at 2000Hz.

2026-05-14 下午 12:15 ACQUA

5.3 Frequency Response 8N DF

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



Absolute minimal distance

0.46 dB at 1088.7 Hz Ok

Ok

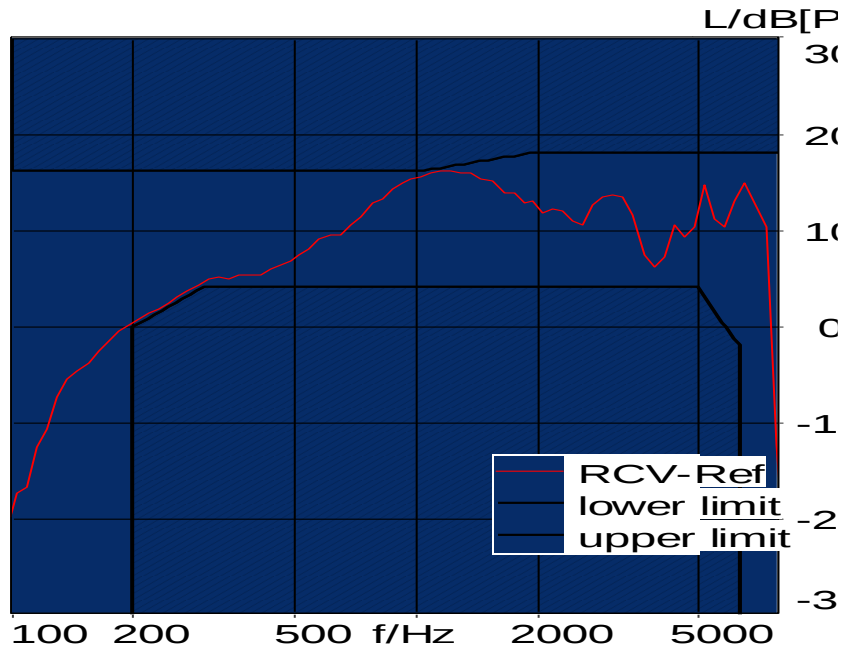
2026-05-14 下午 01:58 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF

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



Absolute minimal distance

0.31 dB at 230.2 Hz Ok

Ok

2026-05-14 下午 12:16 ACQUA 6.2.210

Limits

lower
Fit into tolerance

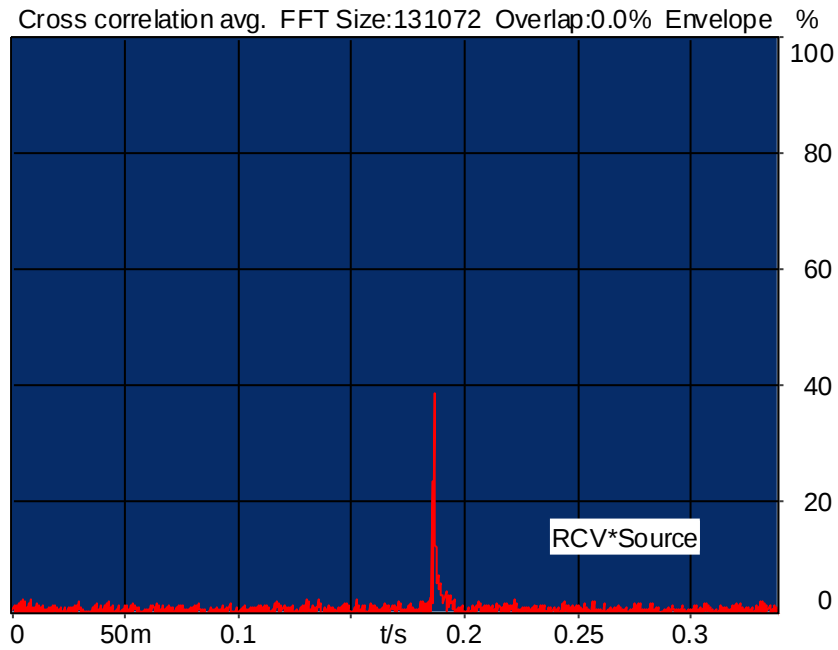
**#3 WiFi 5GHz EVS WB 24.4kbps**

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	187.2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.52
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	81.62
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.75
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.13
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.53
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.95
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.09
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.18
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.12
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.08
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.81
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.38
5.2 RCV Distortion and Noise - 2500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.06
5.2 RCV Distortion and Noise - 3150 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.19
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.14
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.80
Report - Receive Distortion and Noise (Conversational Gain) 8N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.38
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.77
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.85
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.03
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.75
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.38
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.33
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.89
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.03
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.61
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.04
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.81
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.82
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.85
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.43
Report - Receive Distortion and Noise (Conversational Gain) 2N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	21.04
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 3882.4 Hz	0.03
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 1151.2 Hz	0.43



Overall Receive Delay WB

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

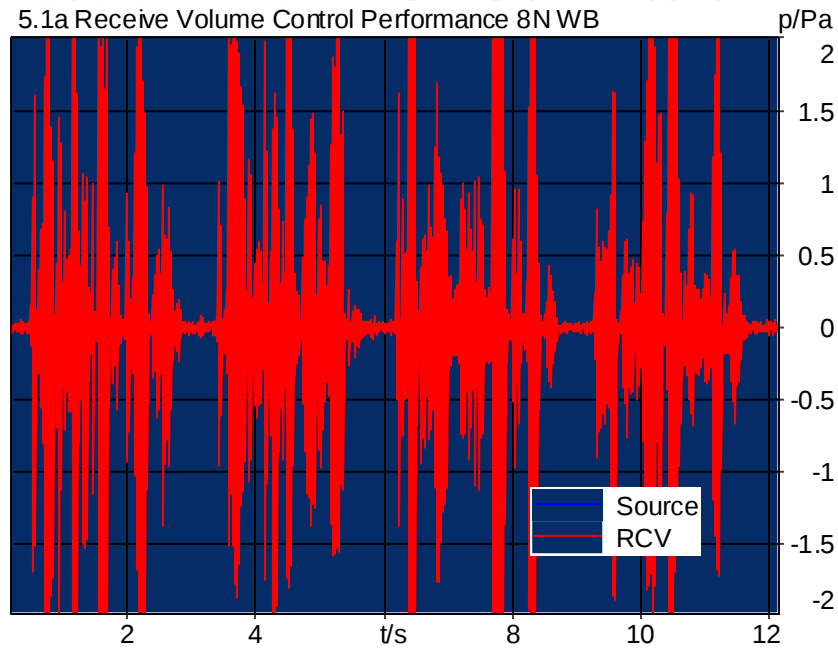


Channel	Delay	Correlation
RCV*Source	187.2 ms	38.53 %

2026-05-14 上午 10:50 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.52 dB[SPL]	80.40%	Ok

Ok

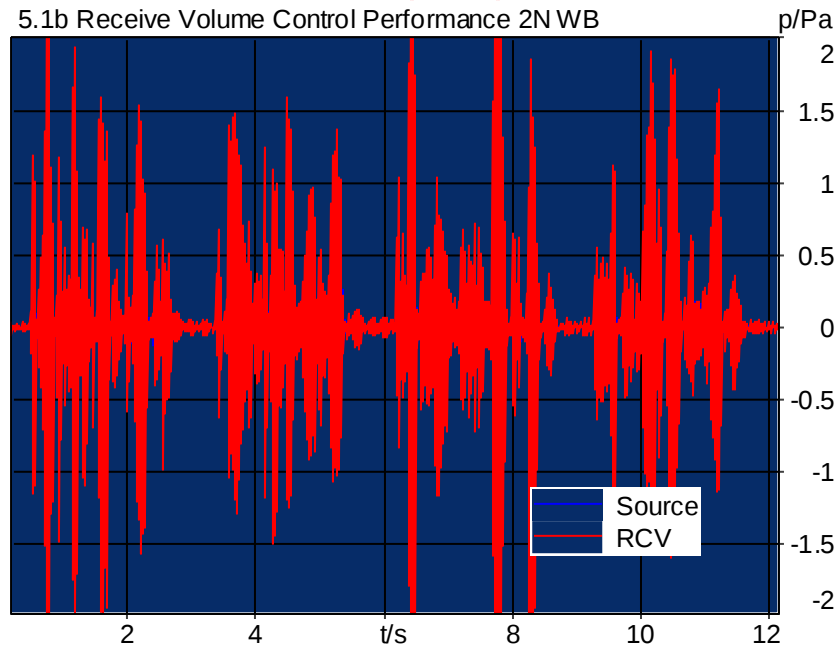
2026-05-14 上午 10:50 ACQUA 6.2.210

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	81.62 dB[SPL]	80.87%	Ok

Ok

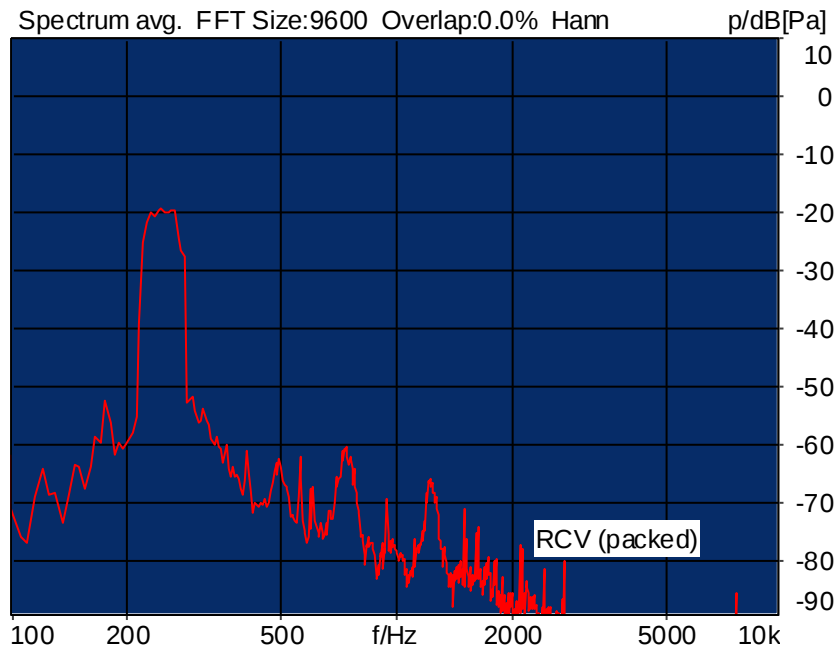
2026-05-14 上午 11:09 ACQUA 6.2.210

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): 36.75 dB (1.45%) Ok

Ok

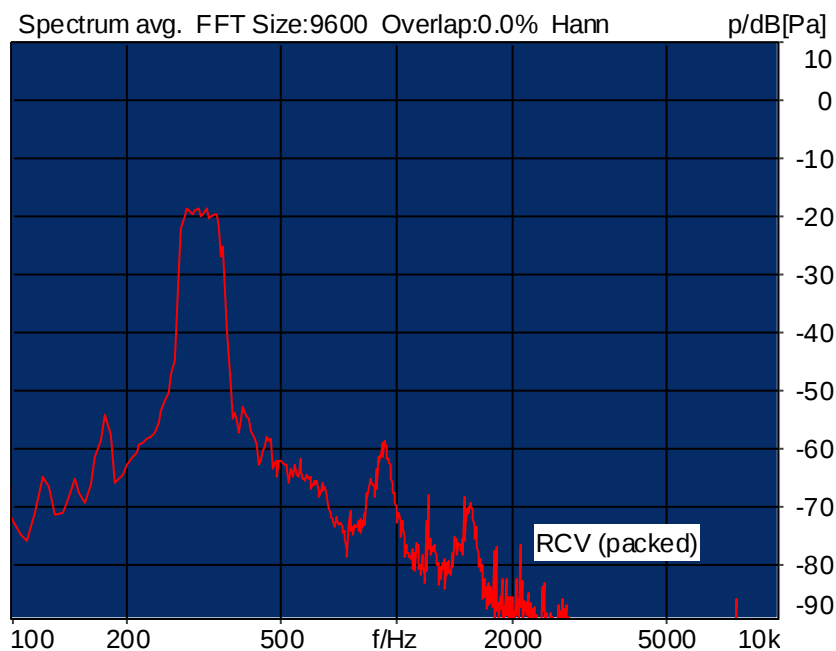
2026-05-14 上午 10:52 ACQUA 6.2.210

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): 36.13 dB (1.56%) Ok

Ok

2026-05-14 上午 10:53 ACQUA 6.2.210

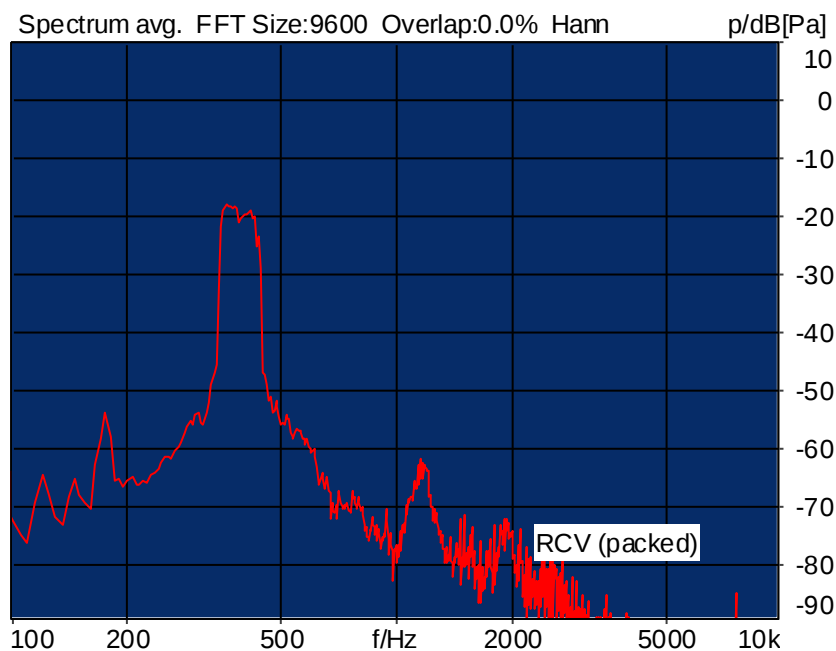
Limits

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): 35.53 dB (1.67%) Ok

Ok

2026-05-14 上午 10:53 ACQUA 6.2.210

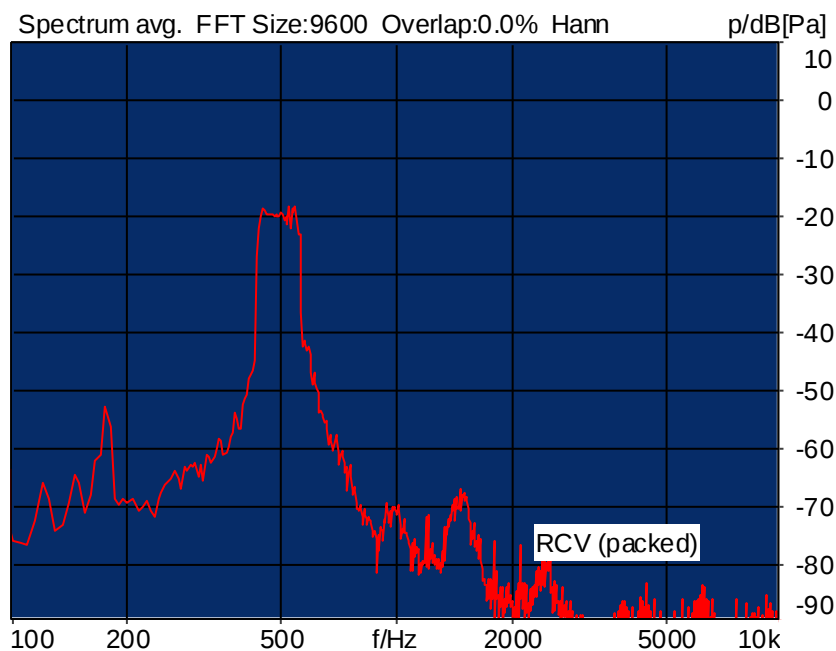
Limits

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): 33.95 dB (2.01%) Ok

Ok

2026-05-14 上午 10:54 ACQUA 6.2.210

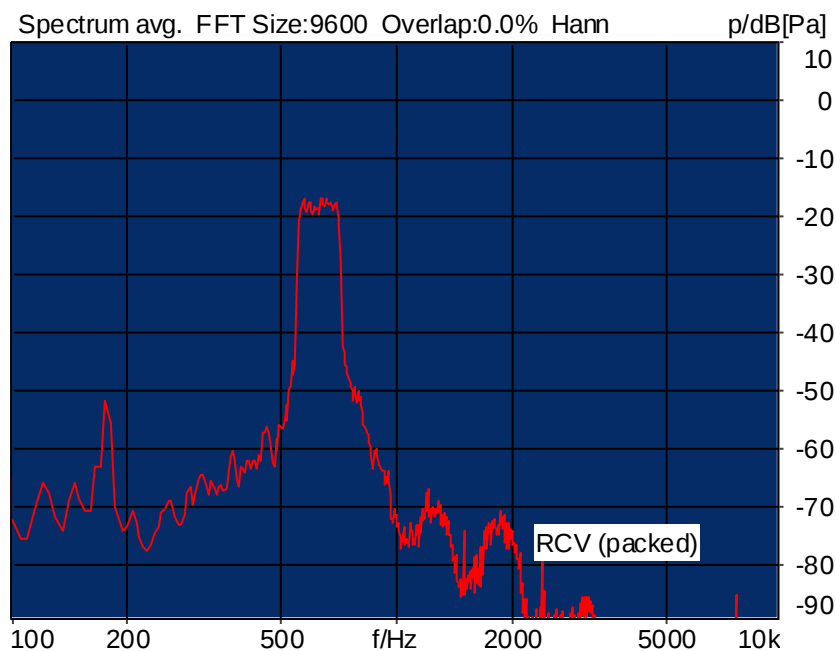
Limits

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): 35.09 dB (1.76%) Ok

Ok

2026-05-14 上午 10:54 ACQUA 6.2.210

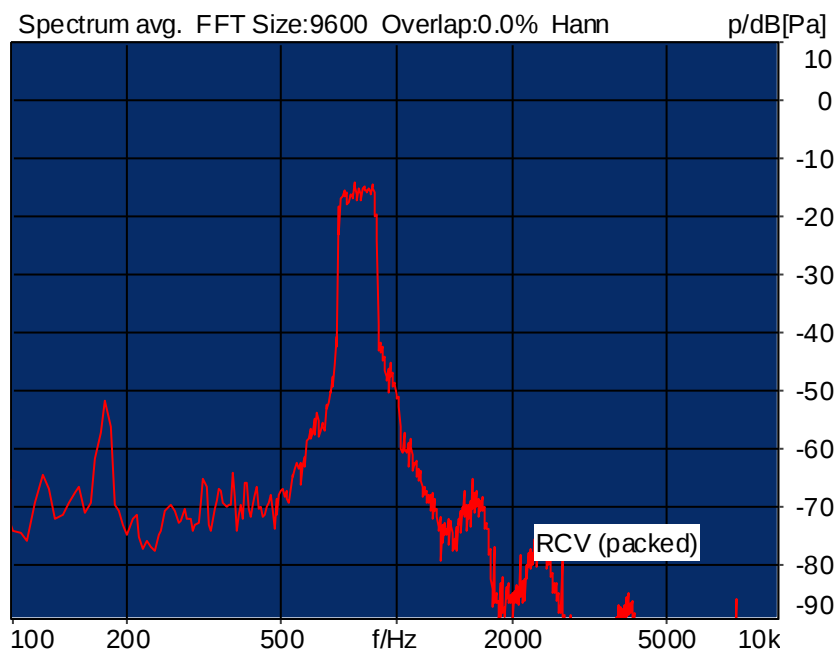
Limits

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): 34.18 dB (1.96%) Ok

Ok

2026-05-14 上午 10:55 ACQUA 6.2.210

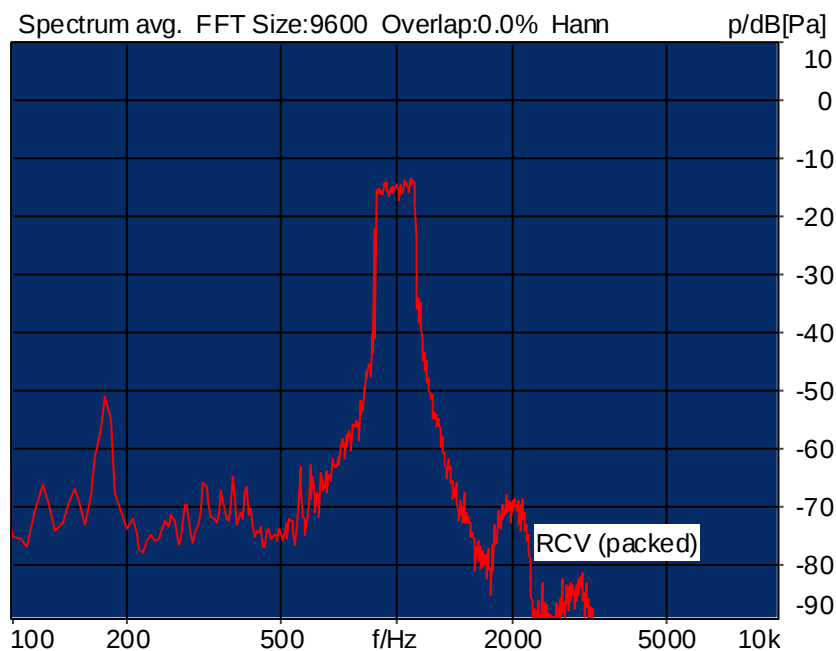
Limits

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): 33.12 dB (2.21%) Ok

Ok

2026-05-14 上午 10:55 ACQUA 6.2.210

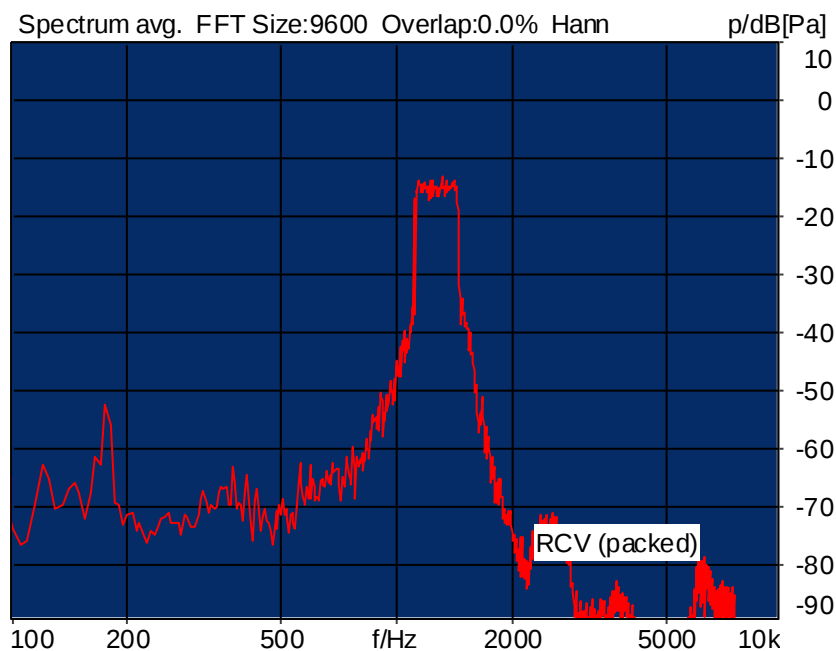
Limits

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): 25.08 dB (5.57%) Ok

Ok

2026-05-14 上午 10:56 ACQUA 6.2.210

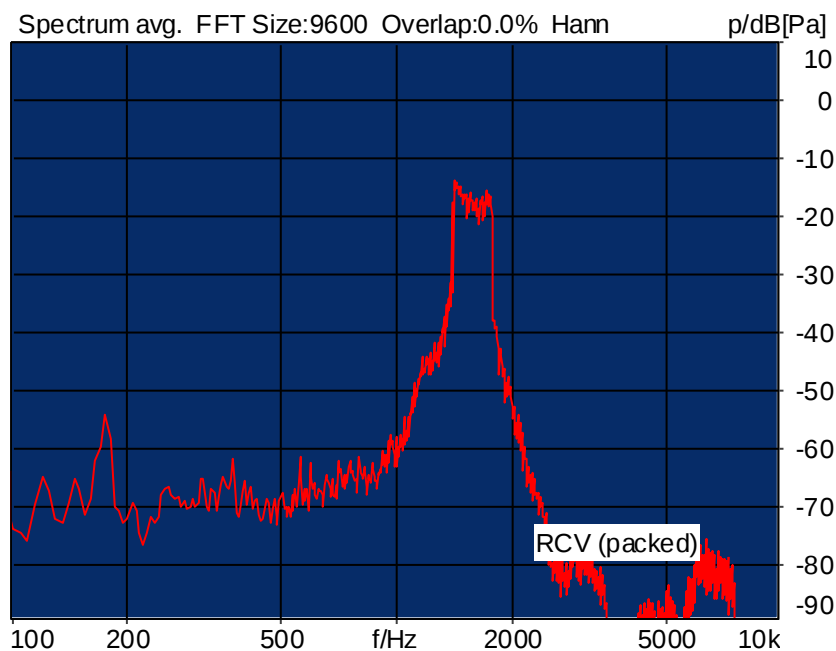
Limits

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): 24.81 dB (5.75%) Ok

Ok

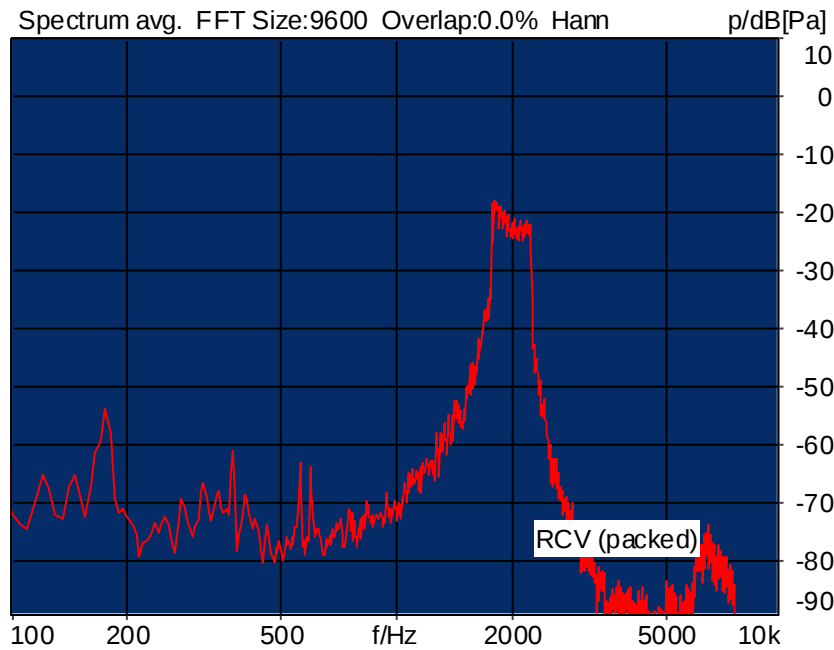
2026-05-14 上午 10:56 ACQUA 6.2.210

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): 21.38 dB (8.54%) Ok

Ok

2026-05-14 上午 10:57 ACQUA 6.2.210

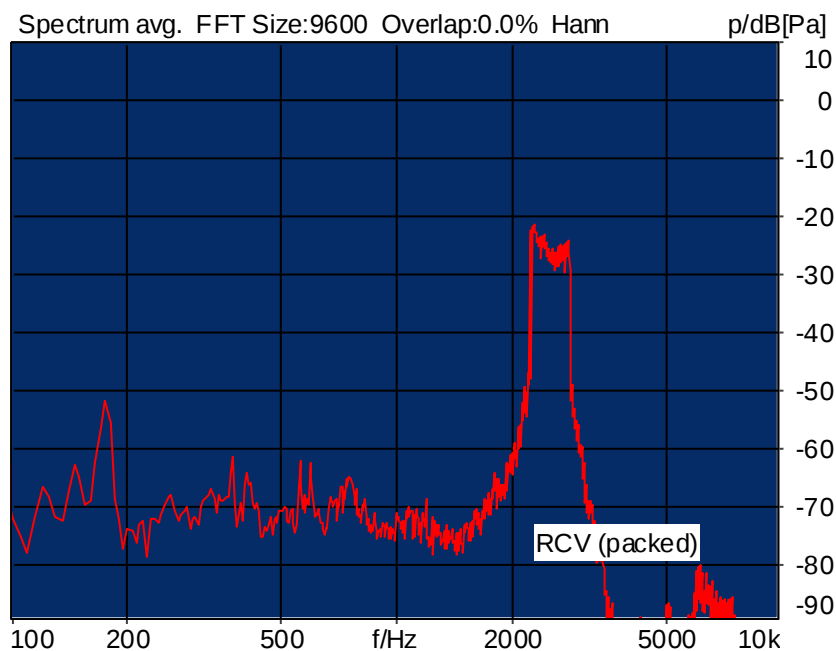
Limits

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): 30.06 dB (3.14%) Ok

Ok

2026-05-14 上午 10:57 ACQUA 6.2.210

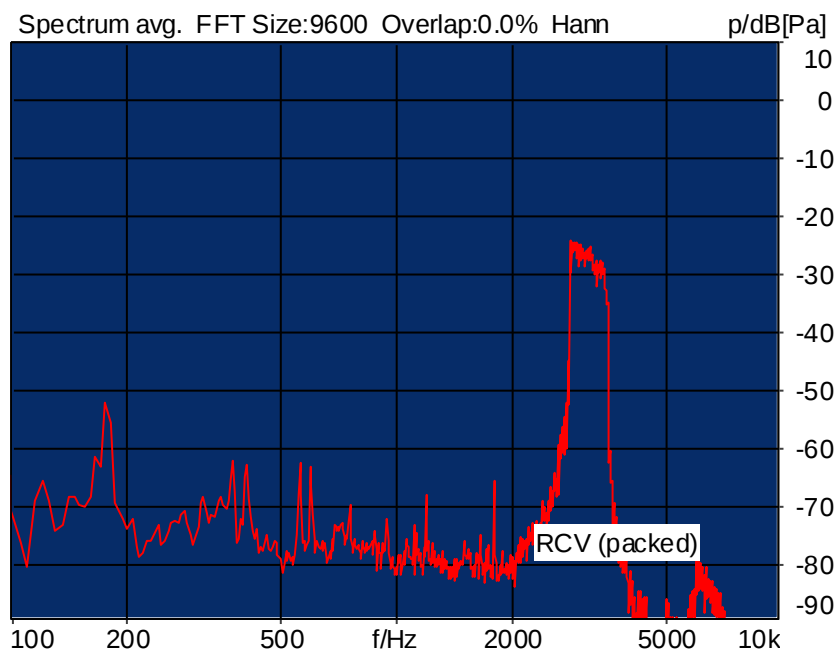
Limits

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): 34.19 dB (1.95%) Ok

Ok

2026-05-14 上午 10:58 ACQUA 6.2.210

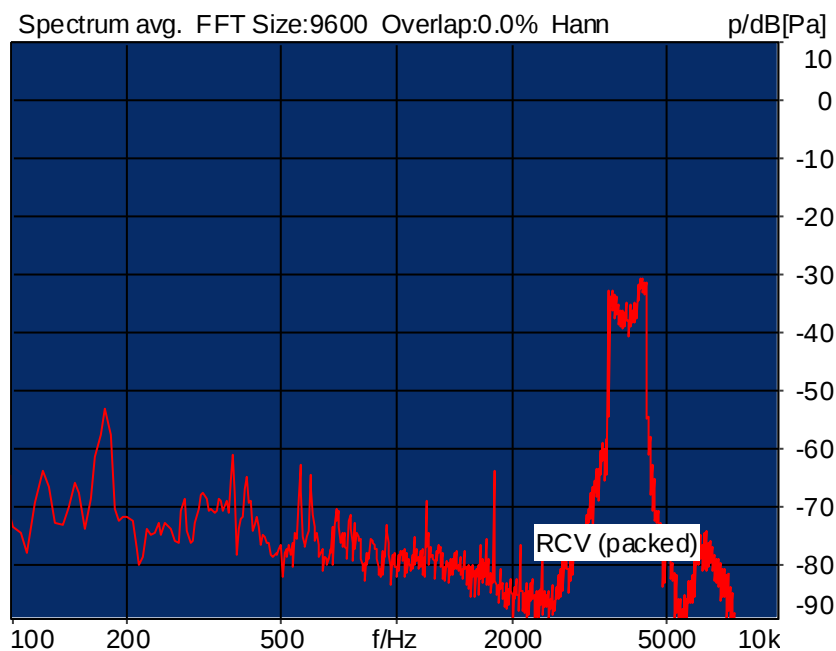
Limits

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): 28.14 dB (3.92%) Ok

Ok

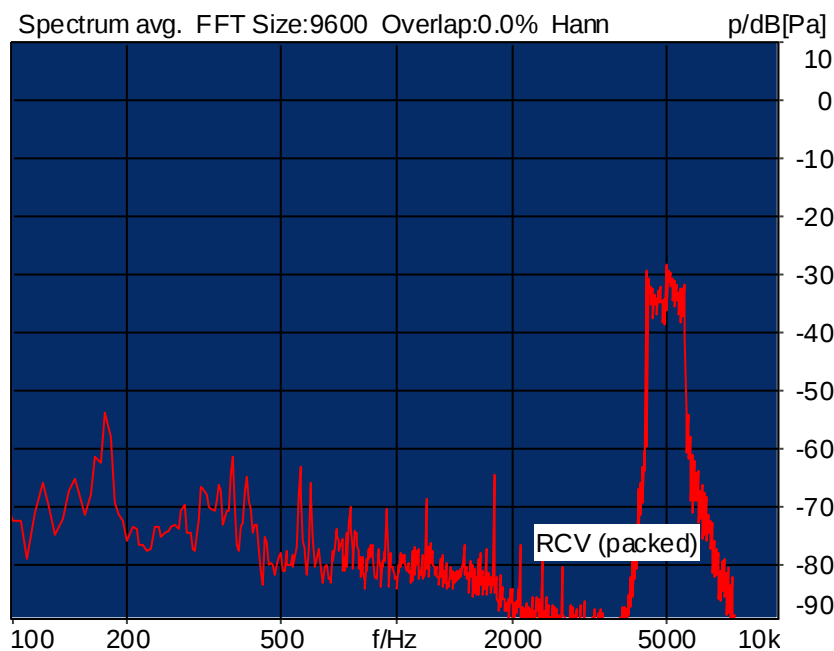
2026-05-14 上午 10:58 ACQUA 6.2.210

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): 30.80 dB (2.88%) Ok

Ok

2026-05-14 上午 10:59 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	36.75 dB
2	315Hz	36.13 dB
3	400Hz	35.53 dB
4	500Hz	33.95 dB
5	630Hz	35.09 dB
6	800Hz	34.18 dB
7	1000Hz	33.12 dB
8	1250Hz	25.08 dB
9	1600Hz	24.81 dB
10	2000Hz	21.38 dB
11	2500Hz	30.06 dB
12	3150Hz	34.19 dB
13	4000Hz	28.14 dB
14	5000Hz	30.80 dB

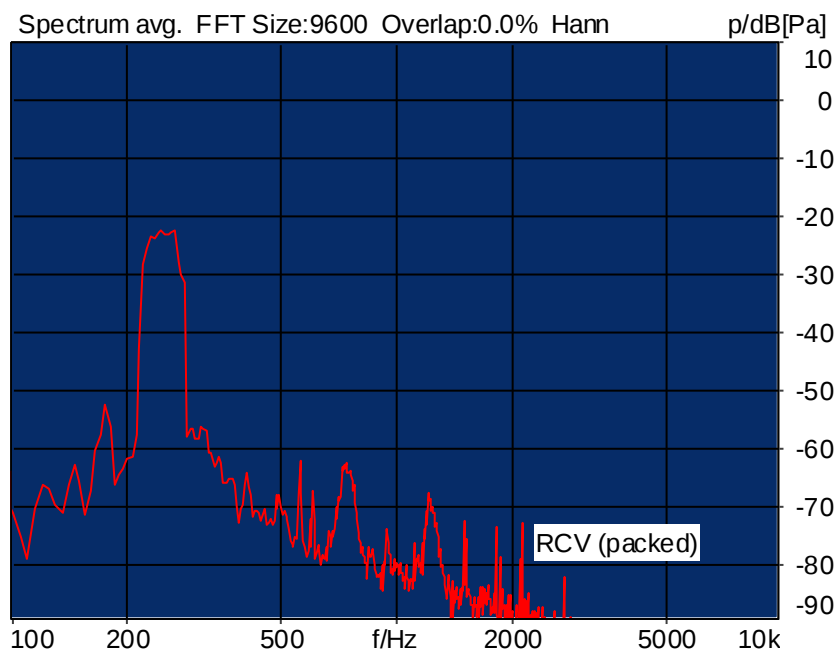
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.38dB at 2000Hz.

2026-05-14 上午 10:59 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): 35.77 dB (1.63%) Ok

Ok

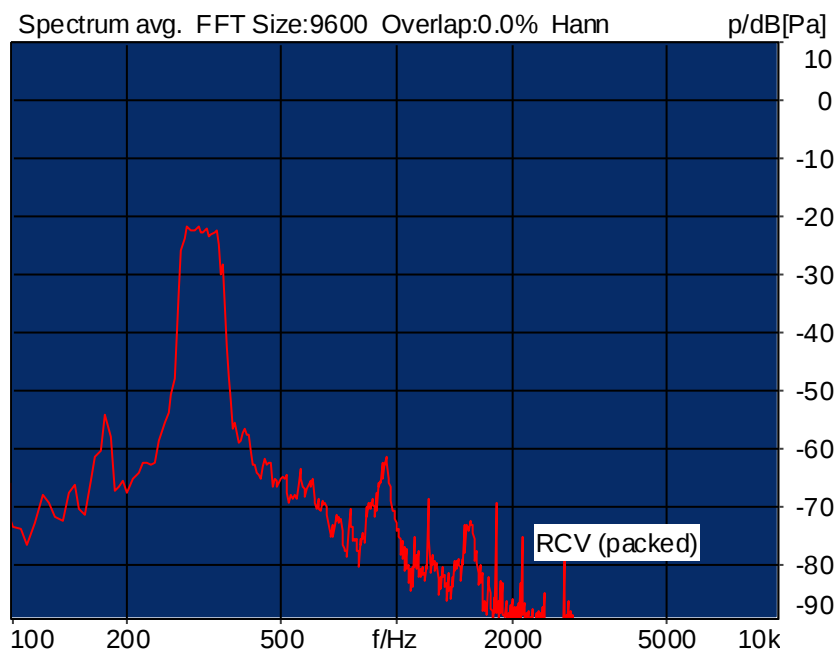
2026-05-14 上午 11:11 ACQUA 6.2.210

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): 35.85 dB (1.61%) Ok

Ok

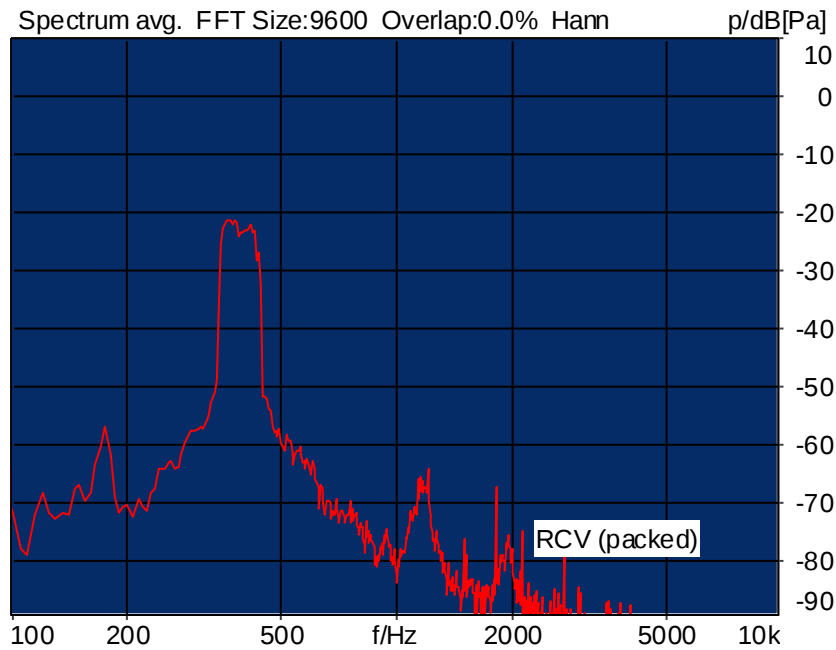
2026-05-14 上午 11:12 ACQUA 6.2.210

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): 36.03 dB (1.58%) Ok

Ok

2026-05-14 上午 11:12 ACQUA 6.2.210

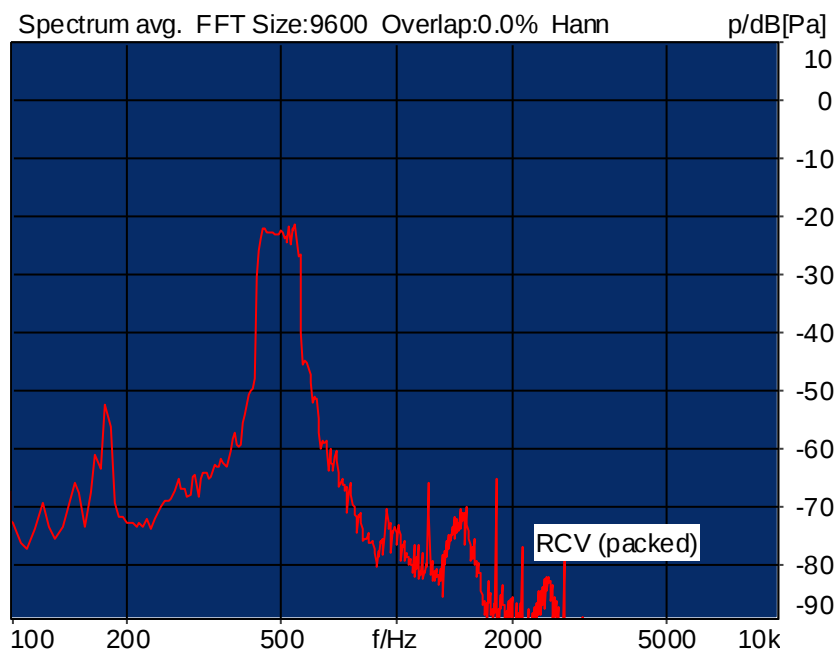
Limits

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): 33.75 dB (2.05%) Ok

Ok

2026-05-14 上午 11:13 ACQUA 6.2.210

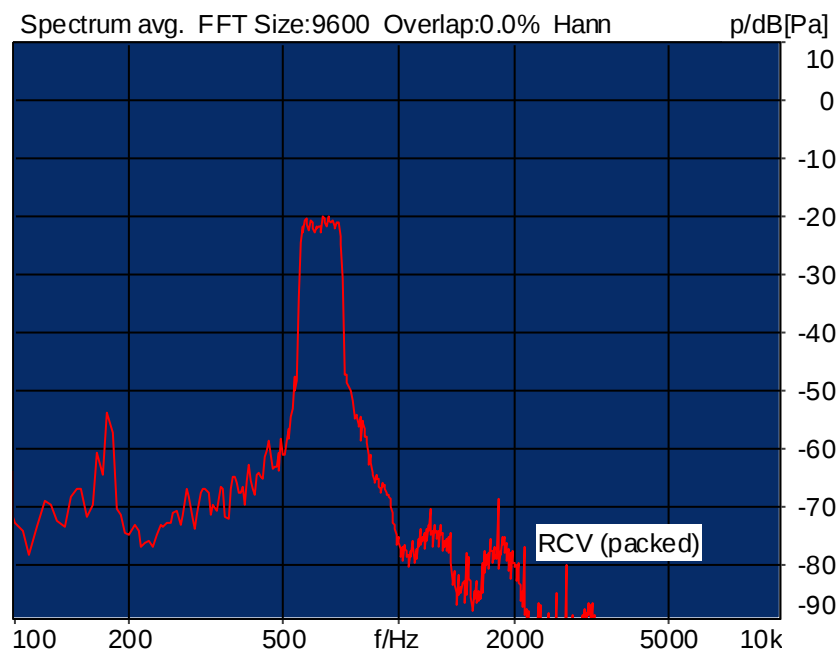
Limits

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): 35.38 dB (1.70%) Ok

Ok

2026-05-14 上午 11:13 ACQUA 6.2.210

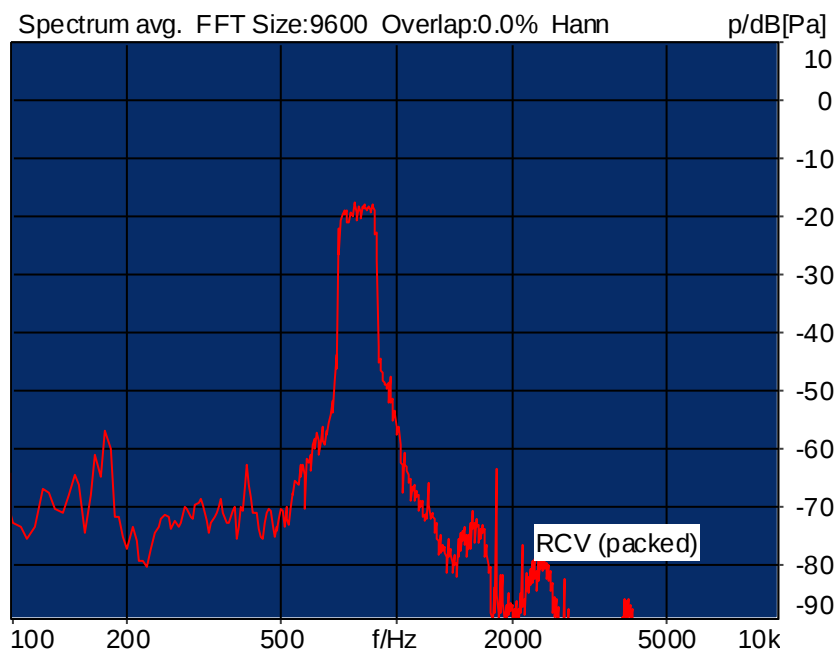
Limits

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): 34.33 dB (1.92%) Ok

Ok

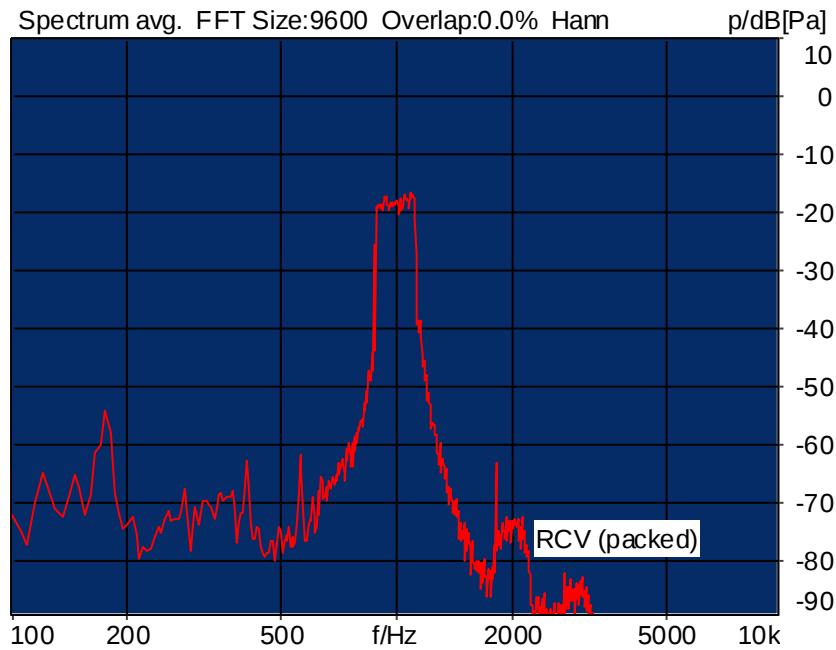
2026-05-14 上午 11:14 ACQUA 6.2.210

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): 32.89 dB (2.27%) Ok

Ok

2026-05-14 上午 11:14 ACQUA 6.2.210

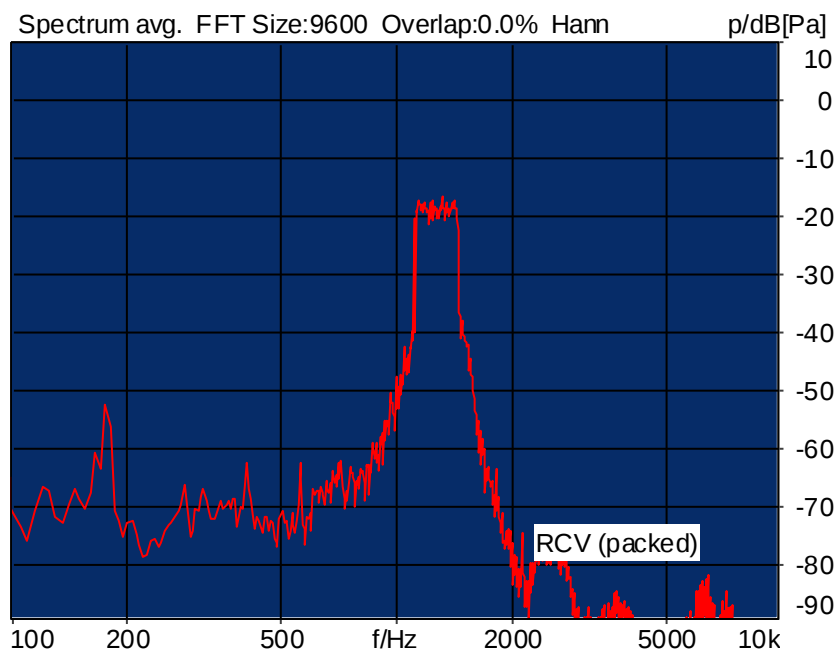
Limits

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): 25.03 dB (5.61%) Ok

Ok

2026-05-14 上午 11:15 ACQUA 6.2.210

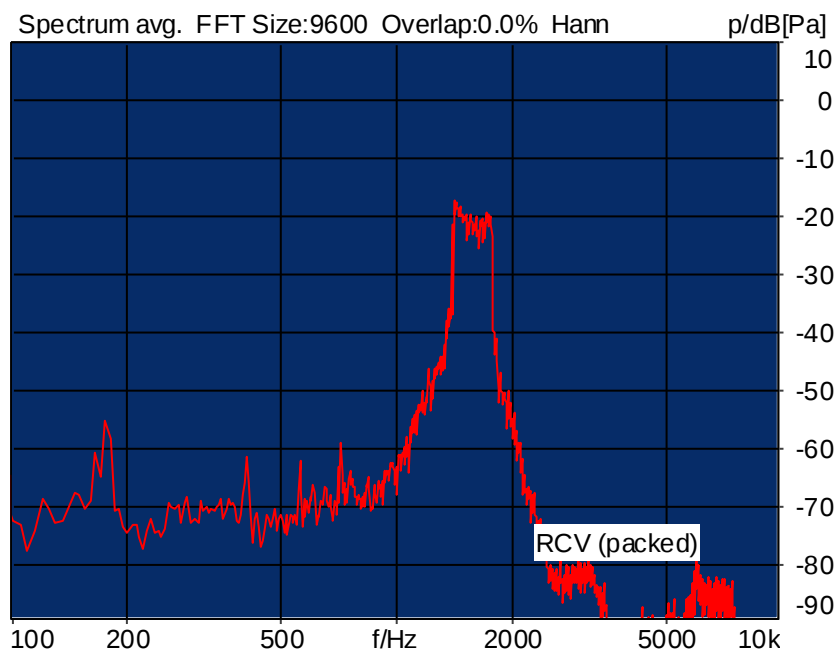
Limits

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): 24.61 dB (5.88%) Ok

Ok

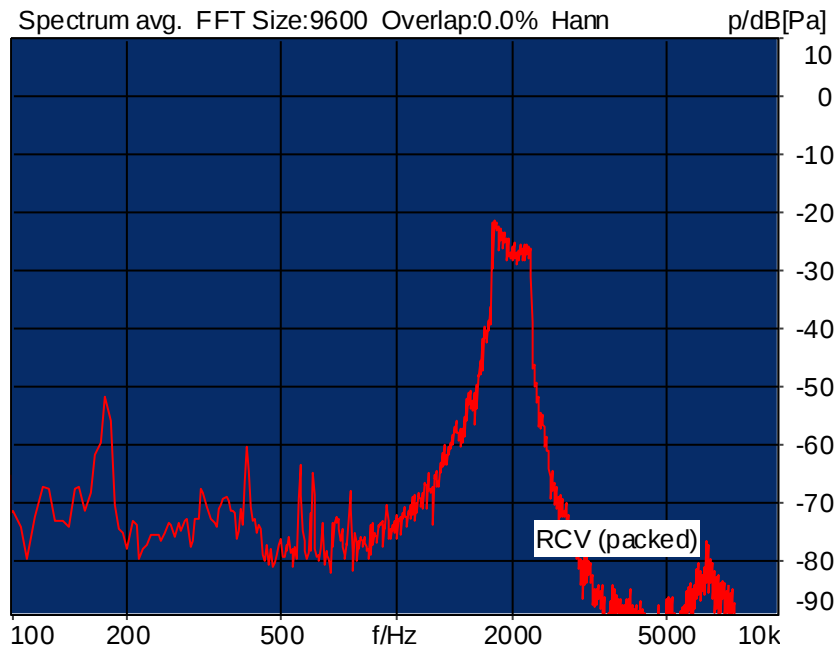
2026-05-14 上午 11:15 ACQUA 6.2.210

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): 21.04 dB (8.87%) Ok

Ok

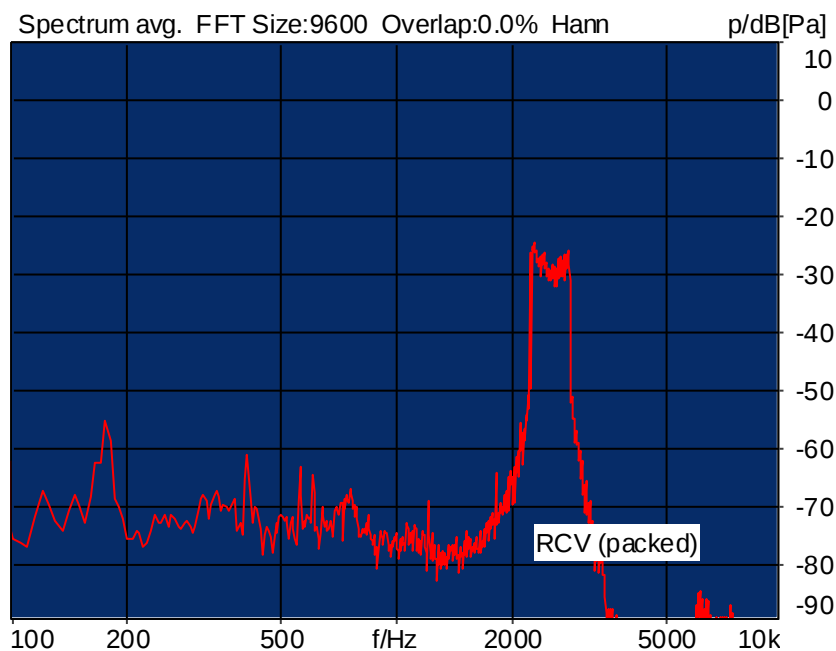
2026-05-14 上午 11:16 ACQUA 6.2.210

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): 29.81 dB (3.23%) Ok

Ok

2026-05-14 上午 11:16 ACQUA 6.2.210

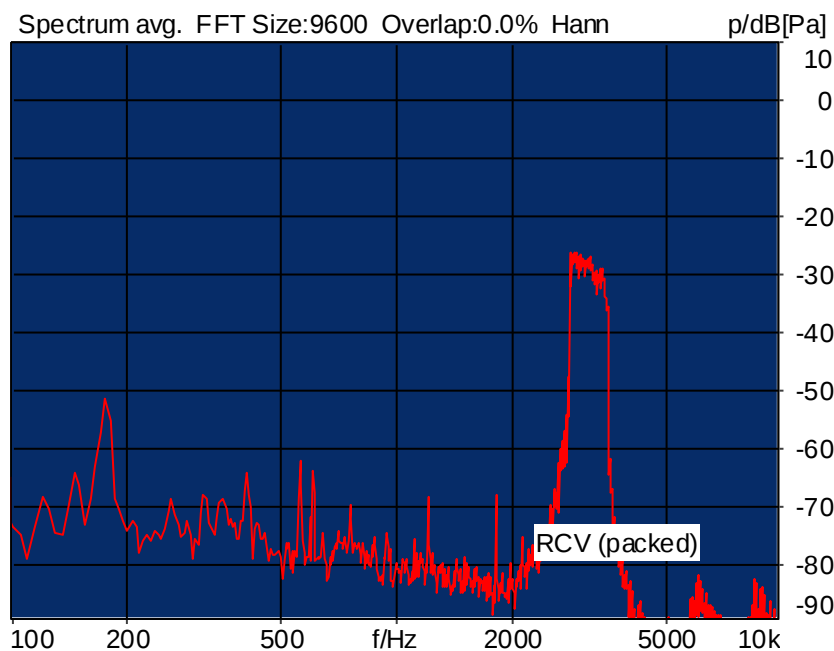
Limits

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): 34.82 dB (1.81%) Ok

Ok

2026-05-14 上午 11:17 ACQUA 6.2.210

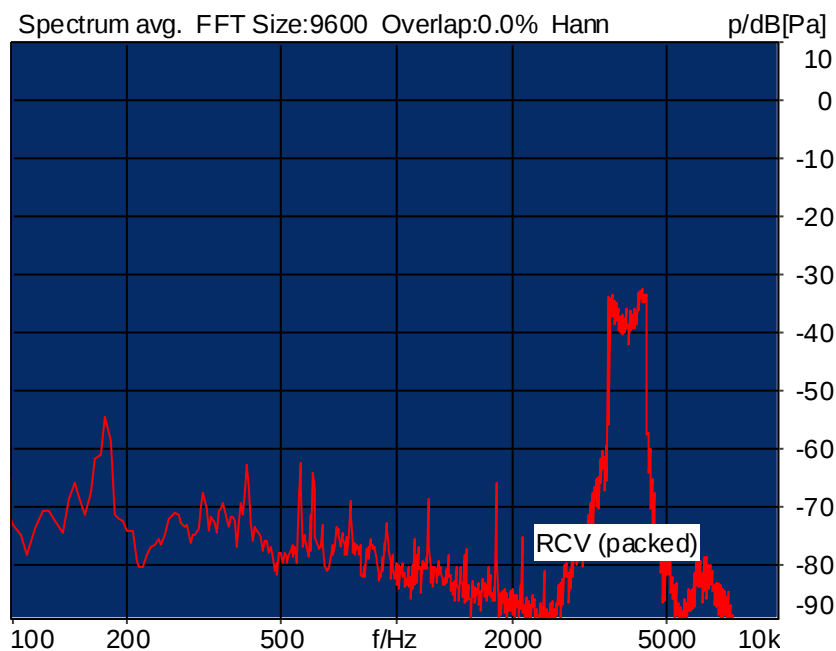
Limits

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): 28.85 dB (3.61%) Ok

Ok

2026-05-14 上午 11:17 ACQUA 6.2.210

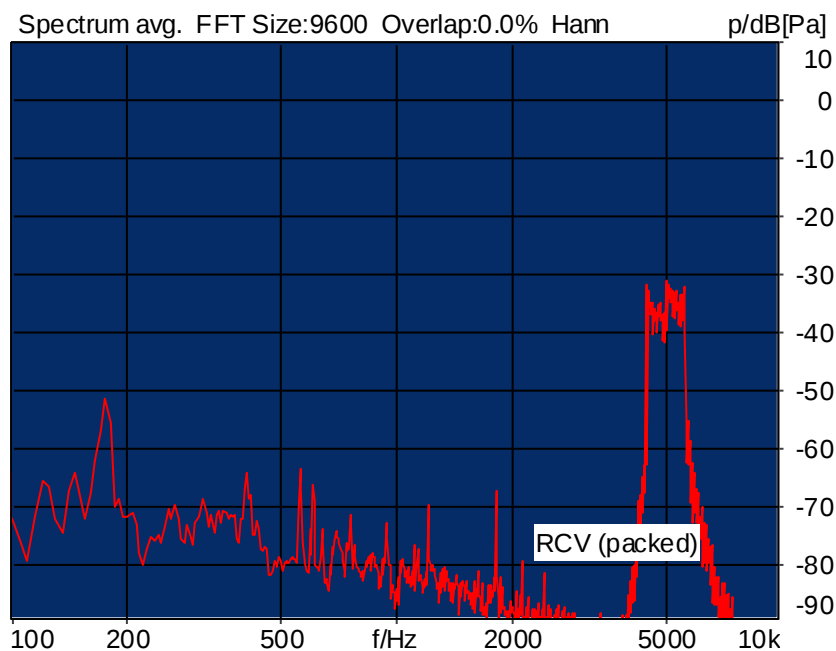
Limits

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): 30.43 dB (3.01%) Ok

Ok

2026-05-14 上午 11:18 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	35.77 dB
2	315Hz	35.85 dB
3	400Hz	36.03 dB
4	500Hz	33.75 dB
5	630Hz	35.38 dB
6	800Hz	34.33 dB
7	1000Hz	32.89 dB
8	1250Hz	25.03 dB
9	1600Hz	24.61 dB
10	2000Hz	21.04 dB
11	2500Hz	29.81 dB
12	3150Hz	34.82 dB
13	4000Hz	28.85 dB
14	5000Hz	30.43 dB

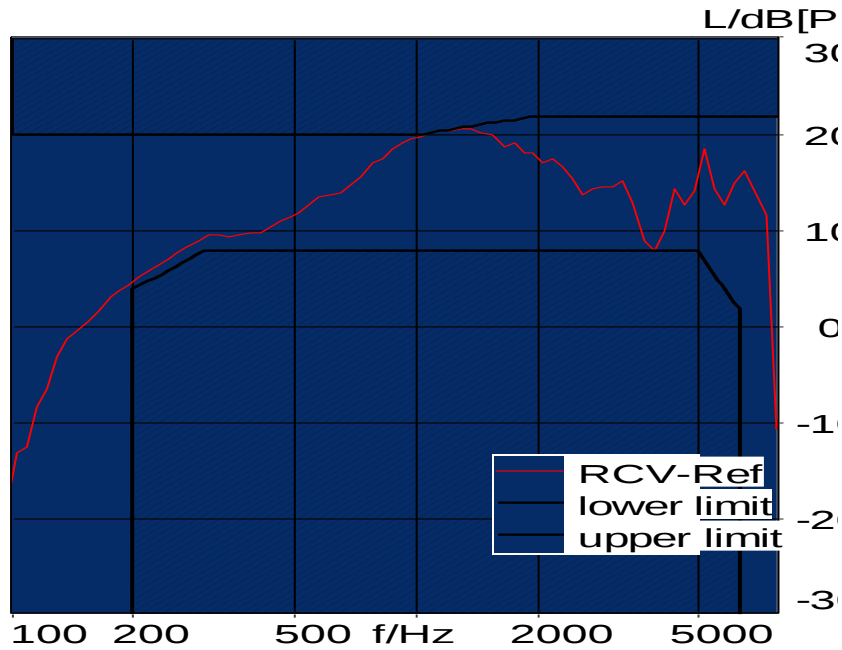
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.04dB at 2000Hz.

2026-05-14 上午 11:18 ACQUA

5.3 Frequency Response 8N DF

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



Absolute minimal distance

0.03 dB at 3882.4 Hz Ok

Ok

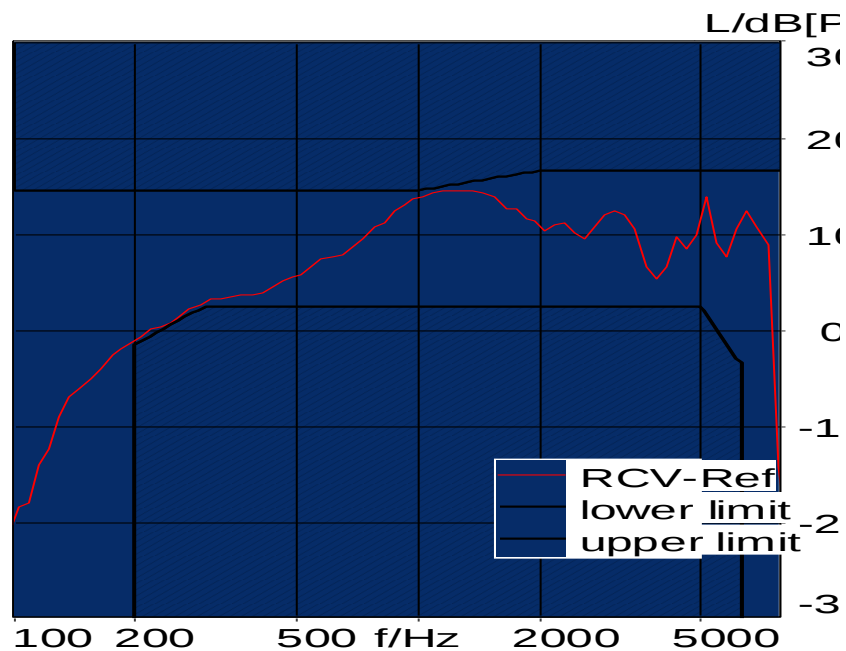
2026-05-14 上午 11:38 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF

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



Absolute minimal distance

0.43 dB at 1151.2 Hz Ok

Ok

2026-05-14 上午 11:37 ACQUA 6.2.210

Limits

lower
Fit into tolerance



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



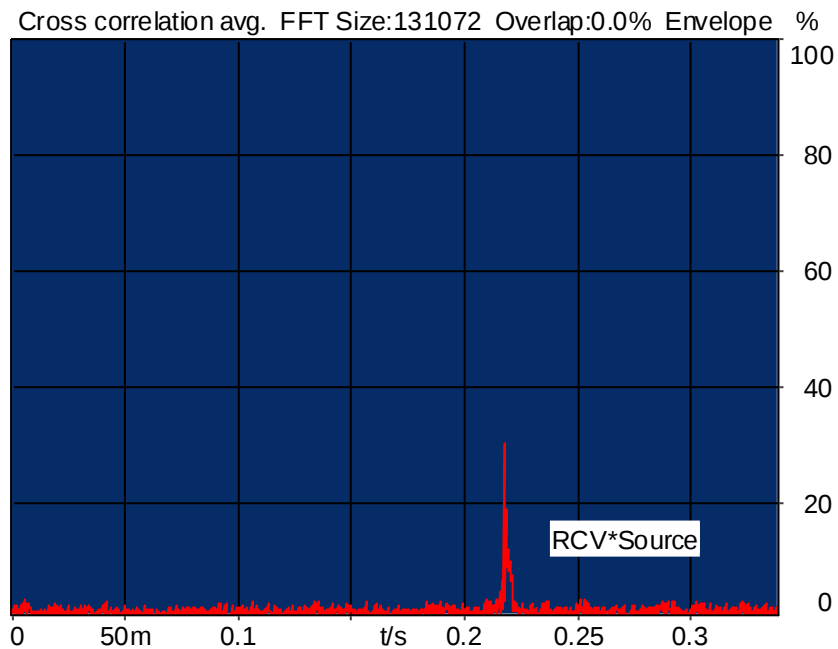
#4 GSM850 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	217.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.92
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	80.19



Overall Receive Delay WB

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

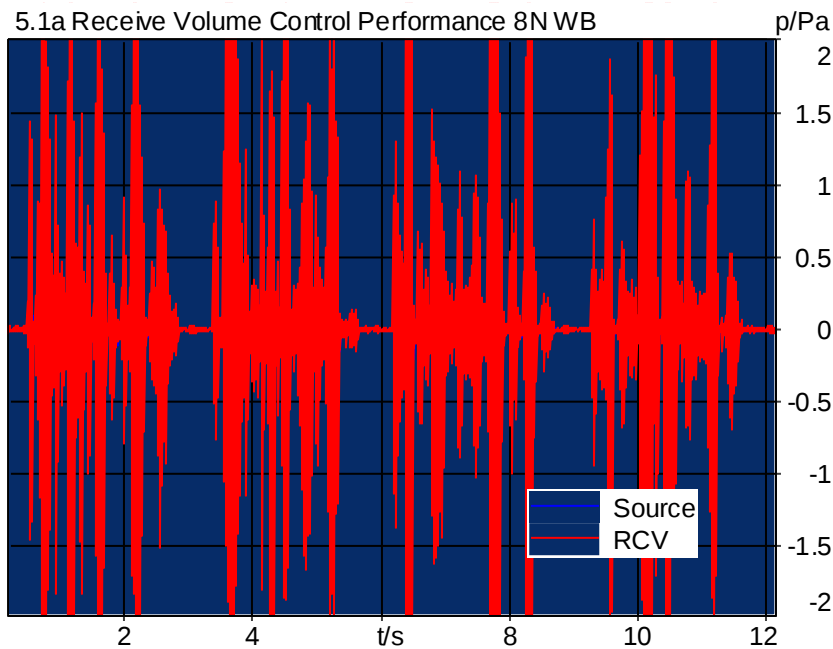


Channel	Delay	Correlation
RCV*Source	217.8 ms	30.26 %

2026-05-13 下午 04:02 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.92 dB[SPL]	79.50%	Ok

Ok

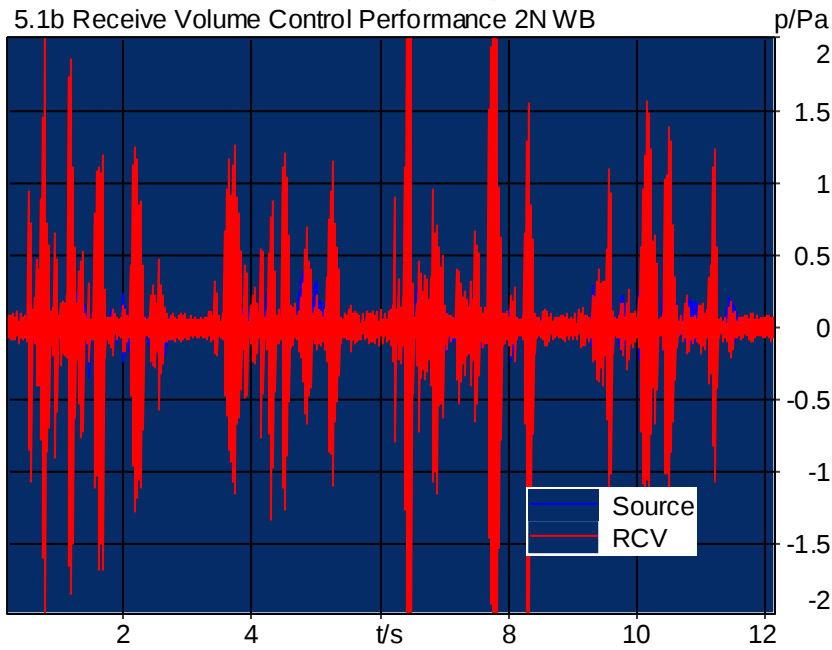
2026-03-12 上午 01:34 ACQUA 6.2.210

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	80.19 dB[SPL]	73.61%	Ok

Ok

2026-05-13 下午 04:03 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

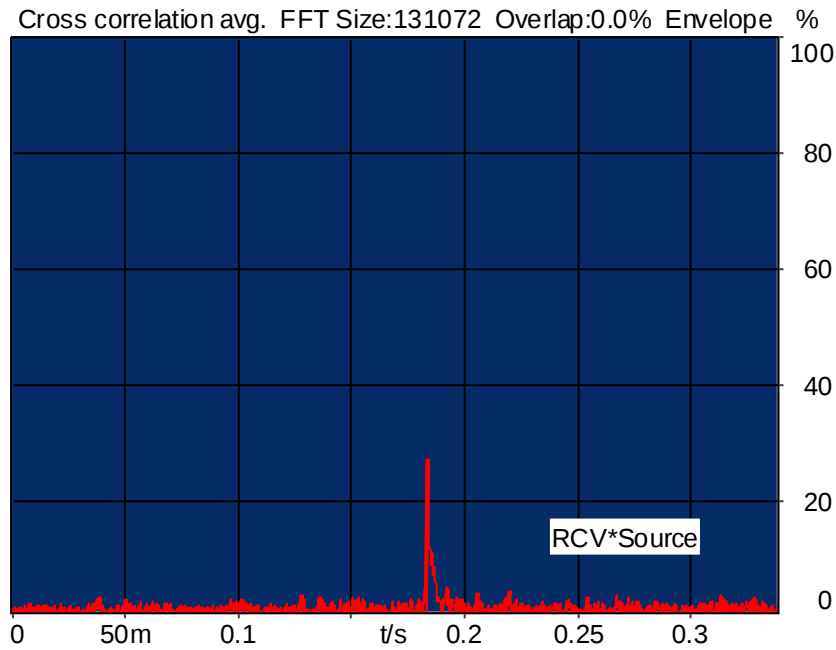


#5 WCDMA II AMR NB 4.75kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	184.3
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	85.57
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	80.16

Overall Receive Delay NB

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

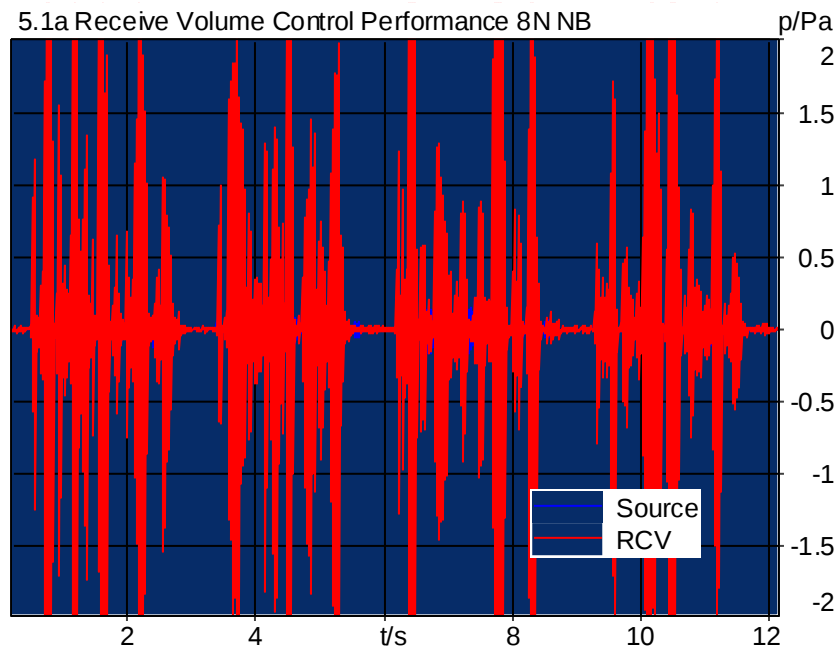


Channel	Delay	Correlation
RCV*Source	184.3 ms	27.31 %

2026-05-13 下午 03:42 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	85.57 dB[SPL]	78.71%	Ok

Ok

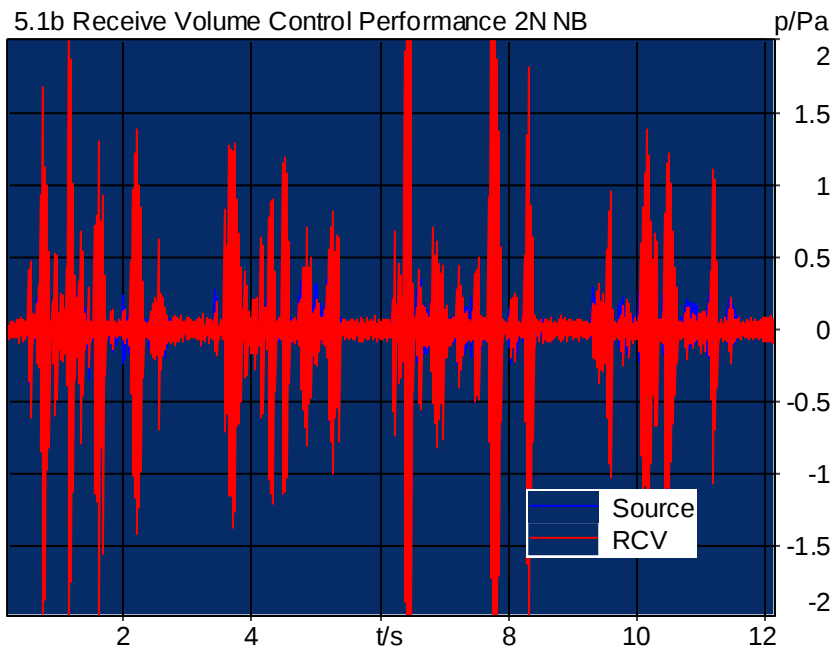
2026-03-12 上午 01:48 ACQUA 6.2.210

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	80.16 dB[SPL]	72.24%	Ok

Ok

2026-05-13 下午 03:43 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]



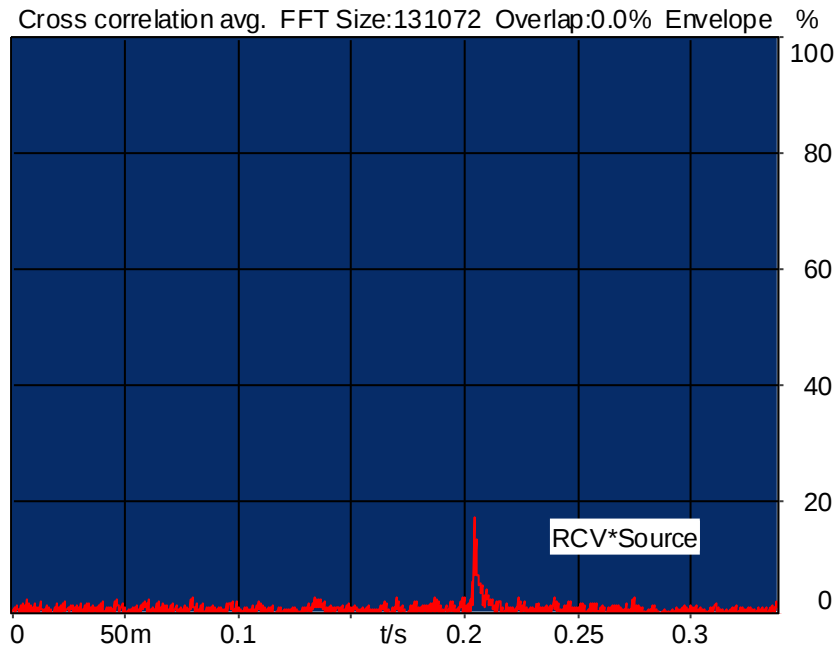
#6 LTE Band 14 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	205.1
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.26
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	80.00



Overall Receive Delay WB

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

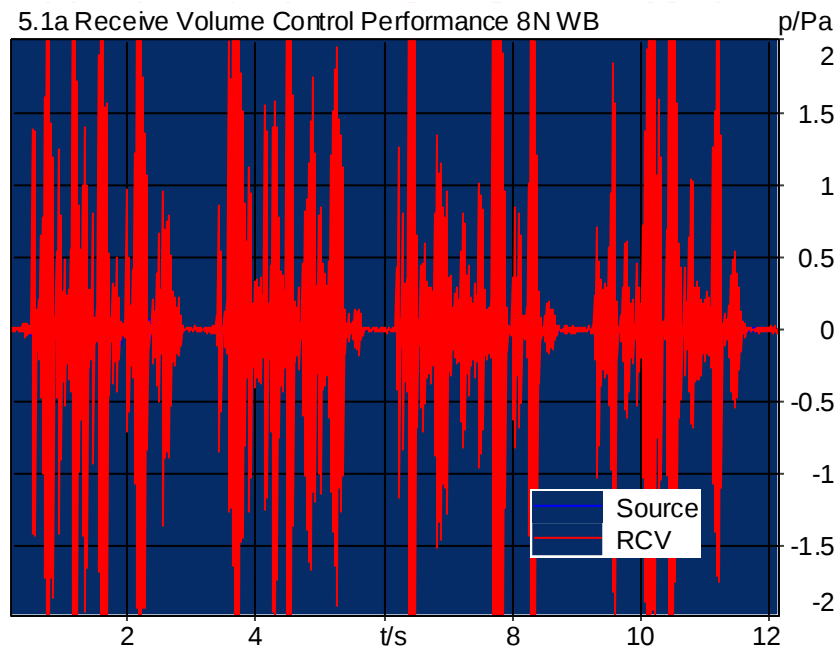


Channel	Delay	Correlation
RCV*Source	205.1 ms	17.09 %

2026-03-19 上午 04:26 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.26 dB[SPL]	79.90%	Ok

Ok

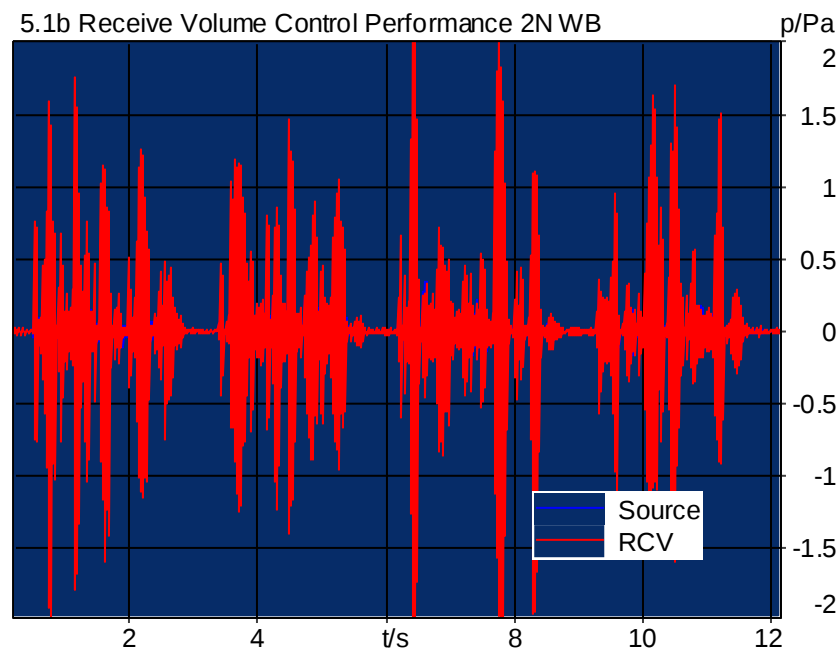
2026-03-19 上午 04:29 ACQUA 6.2.210

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	80.00 dB[SPL]	78.99%	Ok

Ok

2026-03-19 上午 04:28 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]



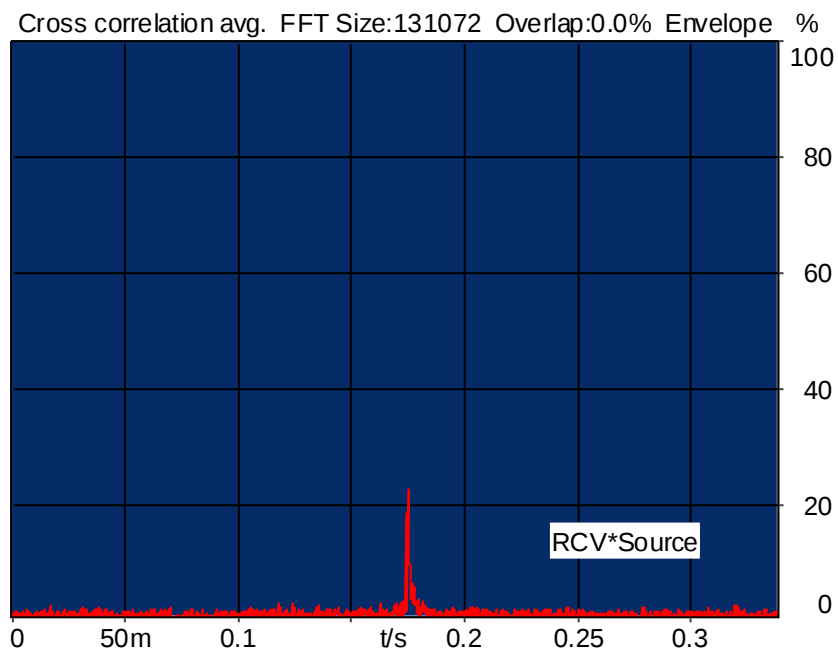
#7 FR1 n14 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	175.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	86.06
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	80.03



Overall Receive Delay WB

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

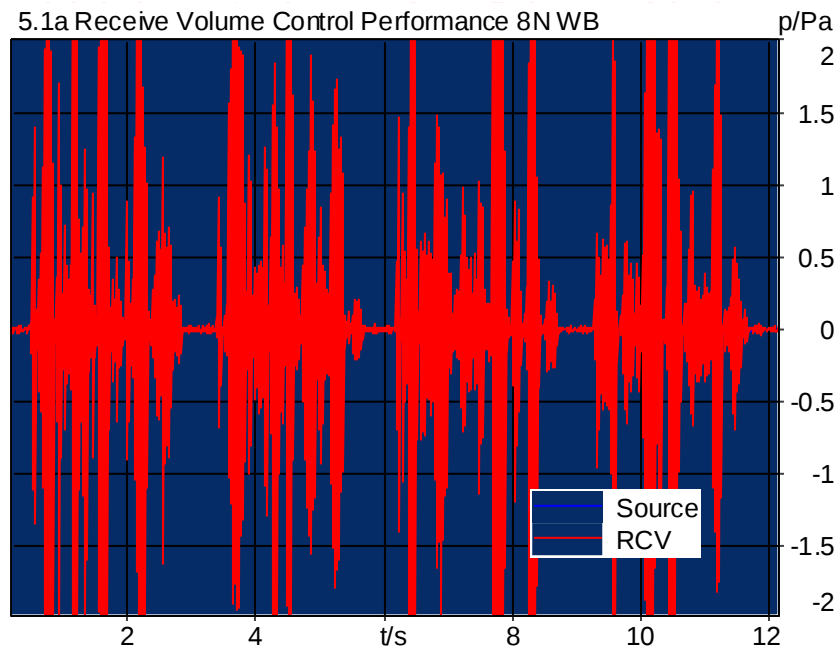


Channel	Delay	Correlation
RCV*Source	175.3 ms	22.60 %

2026-03-14 下午 10:21 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	86.06 dB[SPL]	79.15%	Ok

Ok

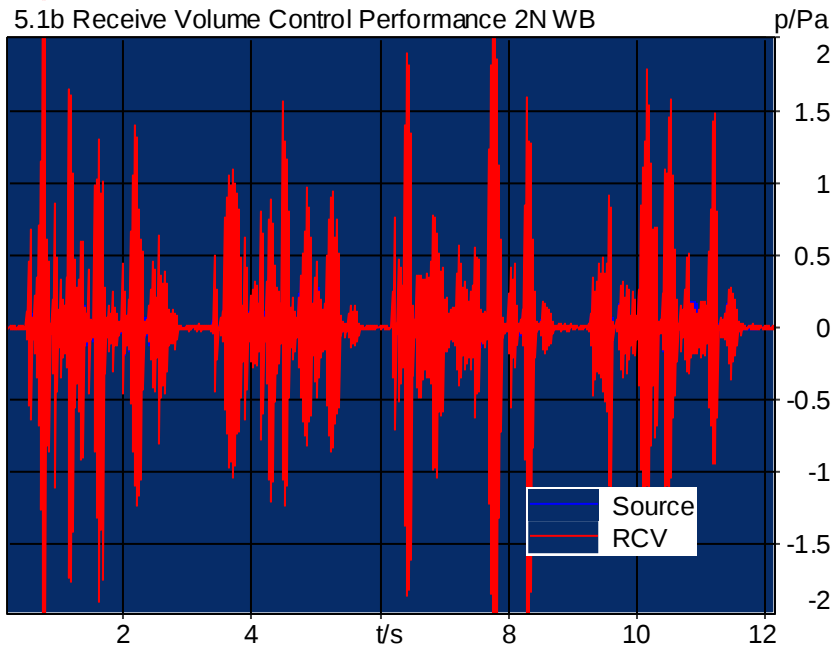
2026-03-14 下午 10:22 ACQUA 6.2.210

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	80.03 dB[SPL]	79.02%	Ok

Ok

2026-03-14 下午 10:21 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]



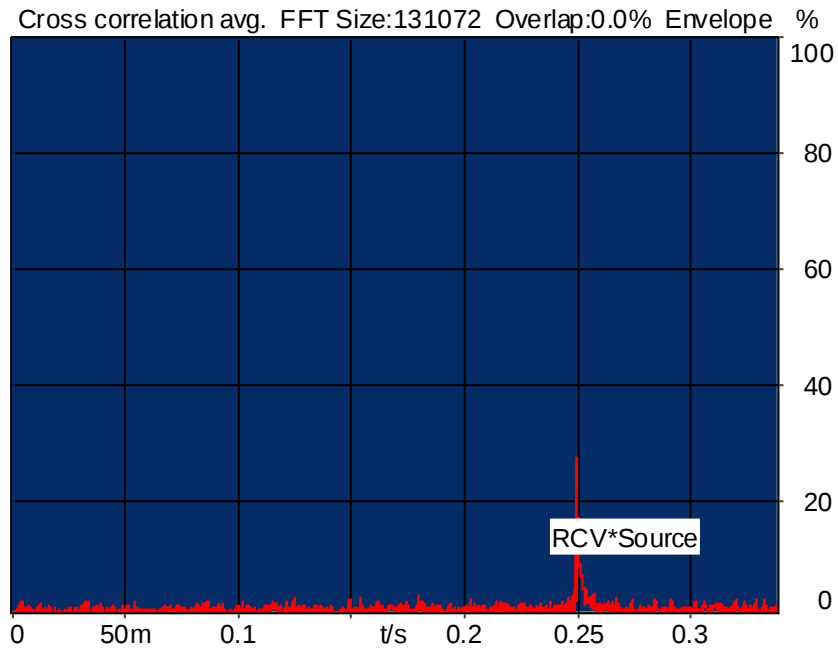
#8 WiFi 5GHz AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	249.9
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.08
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	80.01



Overall Receive Delay WB

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

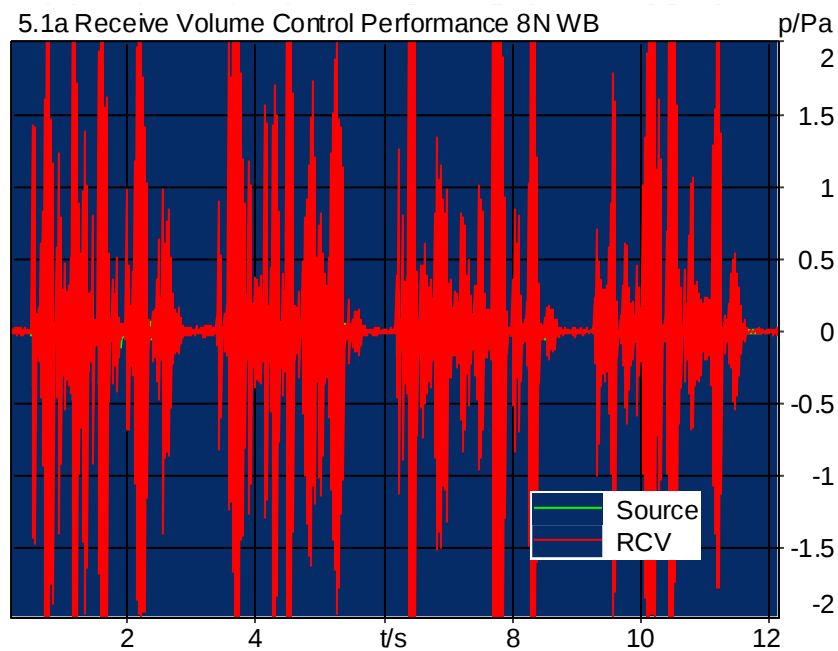


Channel	Delay	Correlation
RCV*Source	249.9 ms	27.49 %

2026-05-13 下午 05:33 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.08 dB[SPL]	79.77%	Ok

Ok

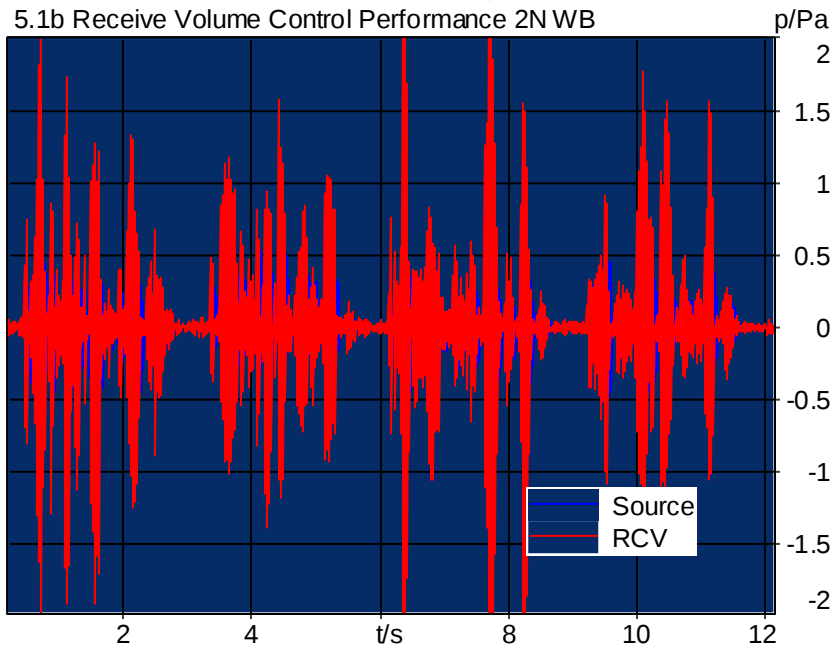
2026-03-20 上午 05:57 ACQUA 6.2.210

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	80.01 dB[SPL]	79.15%	Ok

Ok

2026-05-13 下午 05:38 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]