



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>



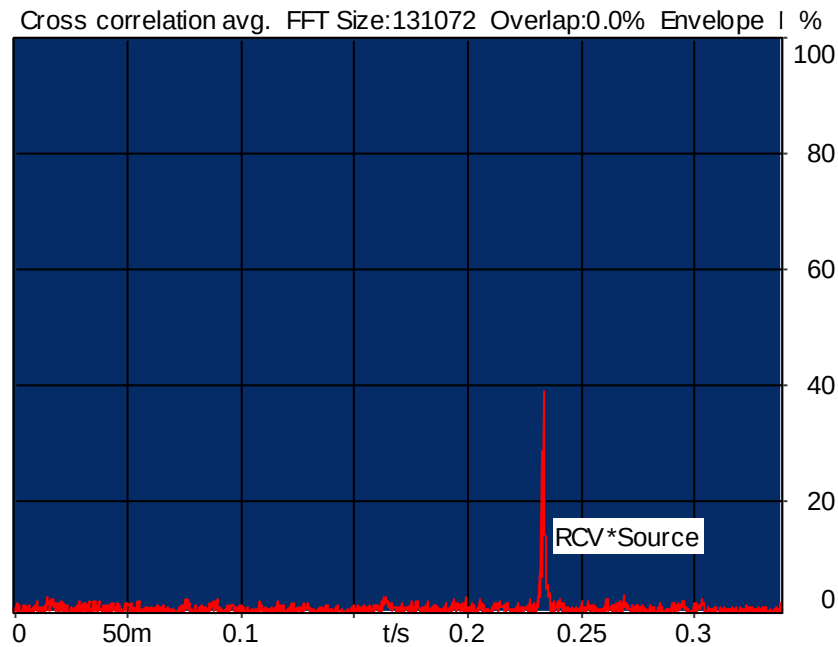
#1 LTE B41 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	234.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.57
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	82.22
5.2 RCV Distortion and Noise - 250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.11
5.2 RCV Distortion and Noise - 315 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.60
5.2 RCV Distortion and Noise - 400 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.89
5.2 RCV Distortion and Noise - 500 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.22
5.2 RCV Distortion and Noise - 630 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.87
5.2 RCV Distortion and Noise - 800 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.81
5.2 RCV Distortion and Noise - 1000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.25
5.2 RCV Distortion and Noise - 1250 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.35
5.2 RCV Distortion and Noise - 1600 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.88
5.2 RCV Distortion and Noise - 2000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.08
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	33.94
5.2 RCV Distortion and Noise - 4000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.47
5.2 RCV Distortion and Noise - 5000 Hz 8N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.79
Report - Receive Distortion and Noise (Conversational Gain) 8N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	23.08
5.2 RCV Distortion and Noise - 250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.02
5.2 RCV Distortion and Noise - 315 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.46
5.2 RCV Distortion and Noise - 400 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.89
5.2 RCV Distortion and Noise - 500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.13
5.2 RCV Distortion and Noise - 630 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.71
5.2 RCV Distortion and Noise - 800 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.57
5.2 RCV Distortion and Noise - 1000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.26
5.2 RCV Distortion and Noise - 1250 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.89
5.2 RCV Distortion and Noise - 1600 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.98
5.2 RCV Distortion and Noise - 2000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.28
5.2 RCV Distortion and Noise - 2500 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.71
5.2 RCV Distortion and Noise - 3150 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.16
5.2 RCV Distortion and Noise - 4000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.84
5.2 RCV Distortion and Noise - 5000 Hz 2N WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.46
Report - Receive Distortion and Noise (Conversational Gain) 2N WB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	22.28
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 487.0 Hz	2.52
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 4620.1 Hz	2.34



Overall Receive Delay WB

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

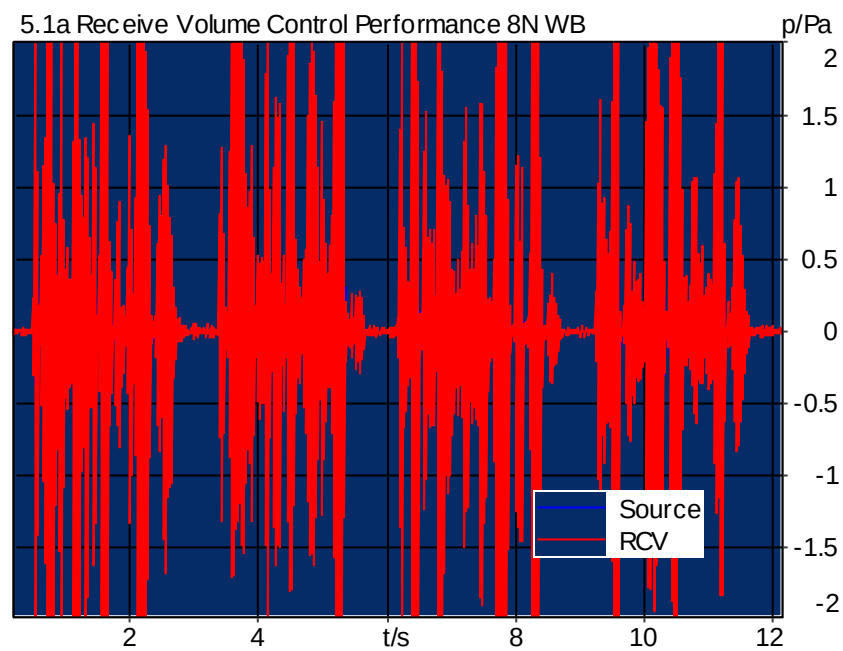


Channel	Delay	Correlation
RCV*Source	234.0 ms	38.91 %

2025-09-08 下午 03:00 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	88.57 dB[SPL]	55.49%	Ok

Ok

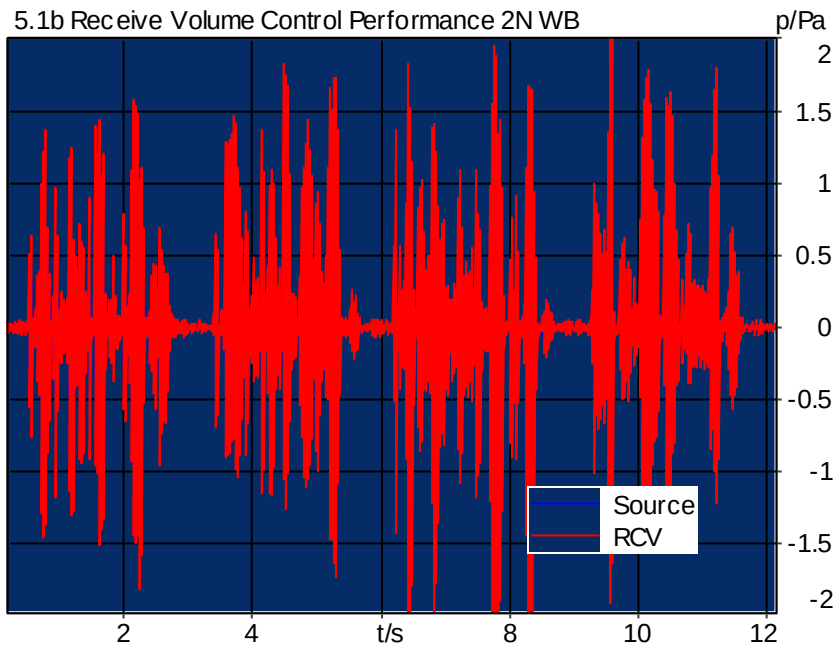
2025-09-02 下午 02:16 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	82.22 dB[SPL]	81.06%	Ok

Ok

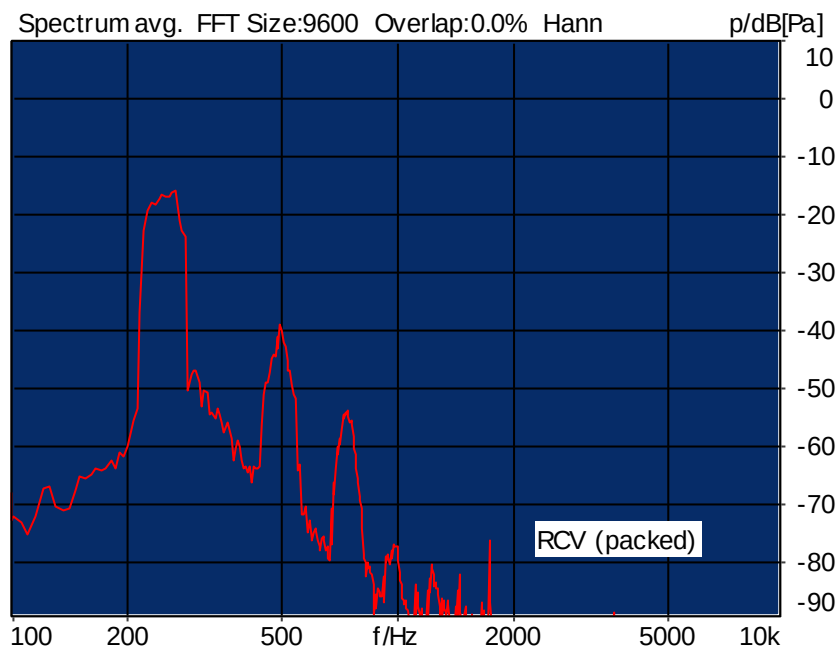
2025-09-08 下午 03:00 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 250 Hz 8N WB

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



Distortion (Noise) RCV (packed): 27.11 dB (4.41%) Ok

Ok

2025-08-05 上午 04:34 ACQUA 6.1.110

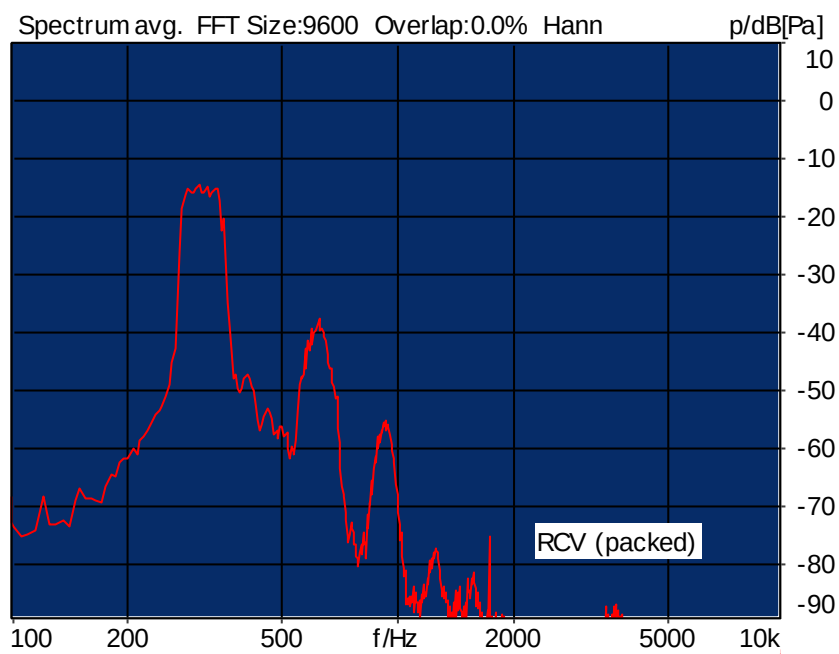
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz 8N WB

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



Distortion (Noise) RCV (packed): 25.60 dB (5.25%) Ok

Ok

2025-08-05 上午 04:35 ACQUA 6.1.110

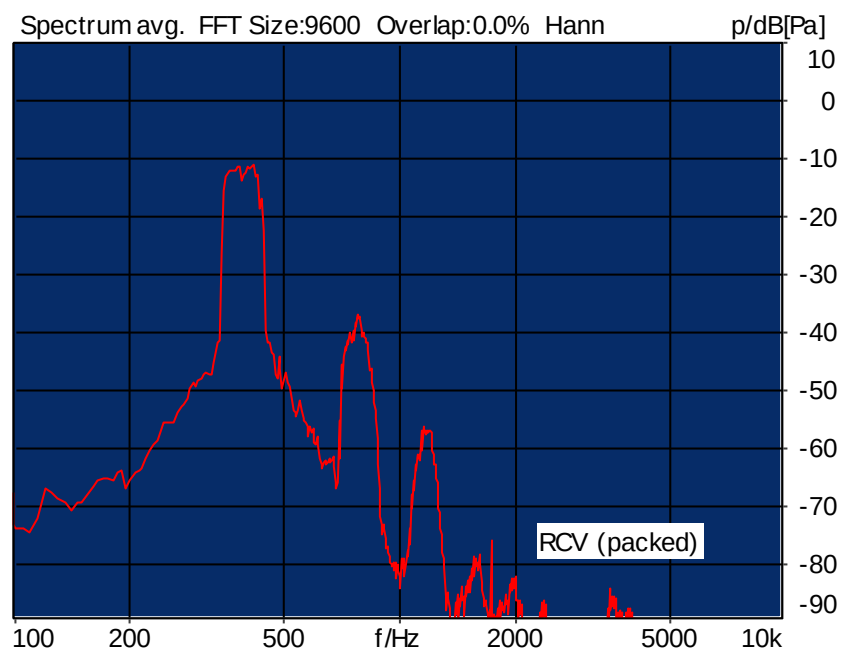
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 400 Hz 8N WB

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



Distortion (Noise) RCV (packed): 26.89 dB (4.53%) Ok

Ok

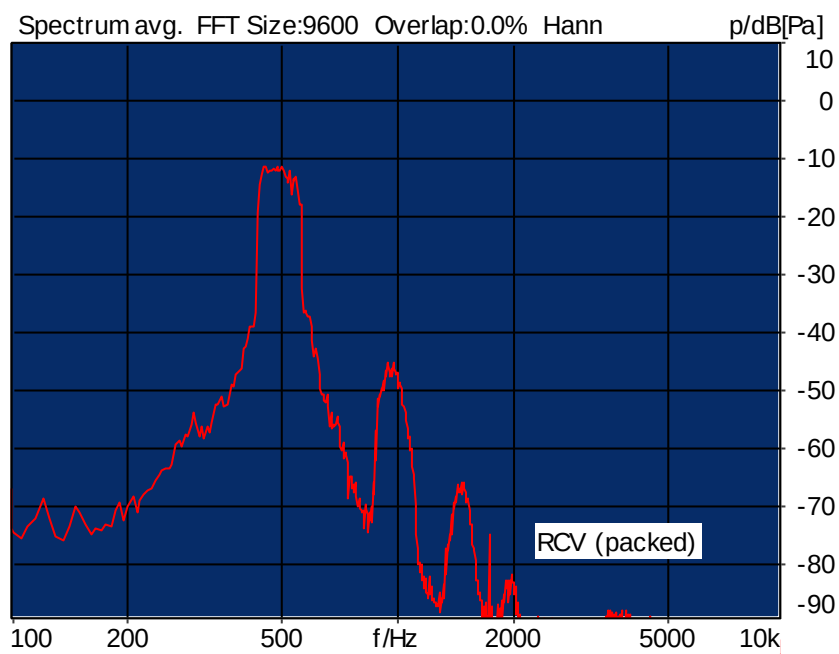
2025-08-05 上午 04:35 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 8N WB

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



Distortion (Noise) RCV (packed): 32.22 dB (2.45%) Ok

Ok

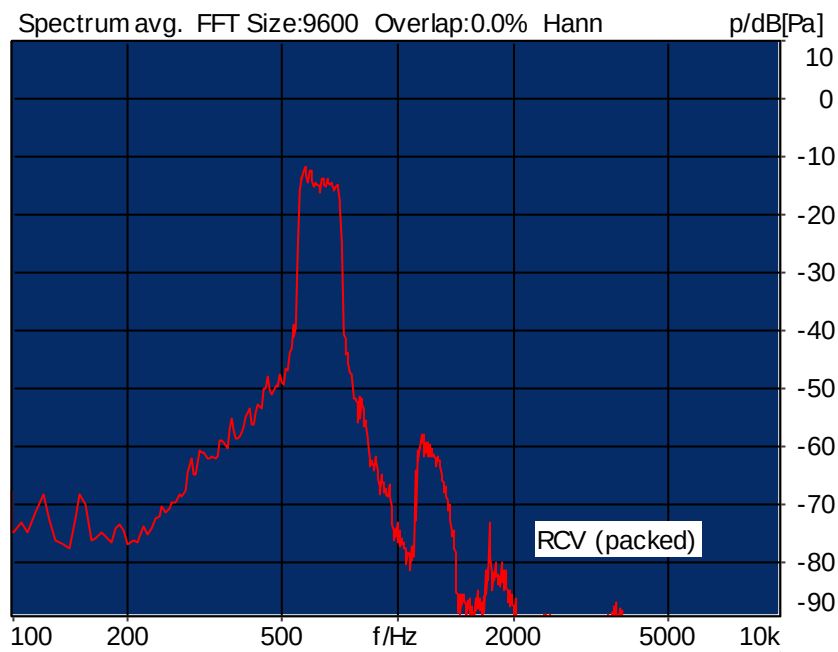
2025-08-05 上午 04:36 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 8N WB

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



Distortion (Noise) RCV (packed): 36.87 dB (1.43%) Ok

Ok

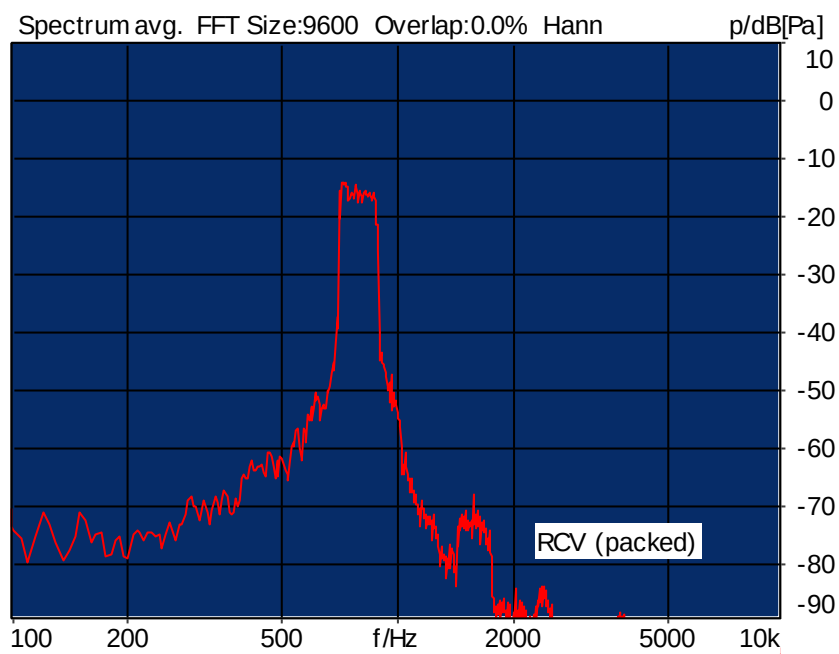
2025-08-05 上午 04:36 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 8N WB

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



Distortion (Noise) RCV (packed): 35.81 dB (1.62%) Ok

Ok

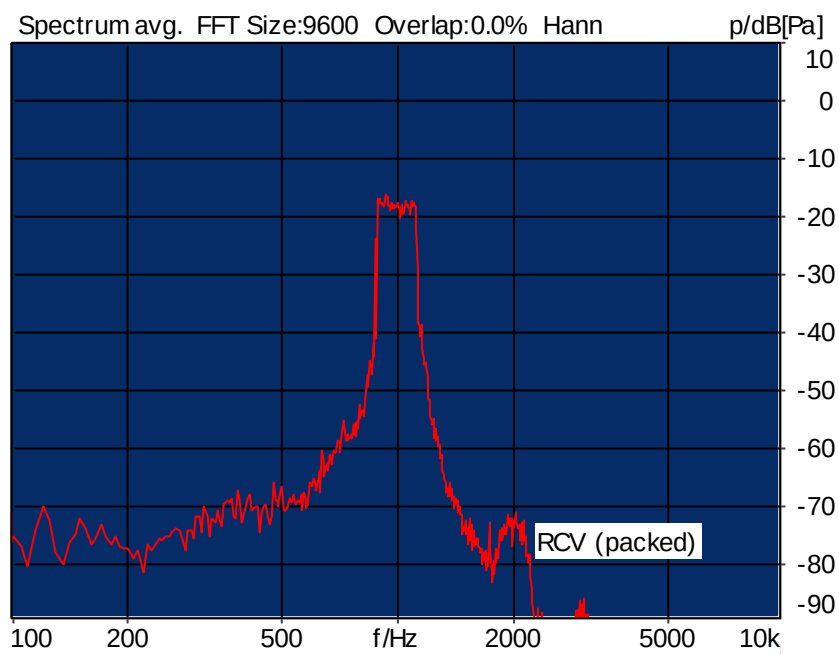
2025-08-05 上午 04:37 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 32.25 dB (2.44%) Ok

Ok

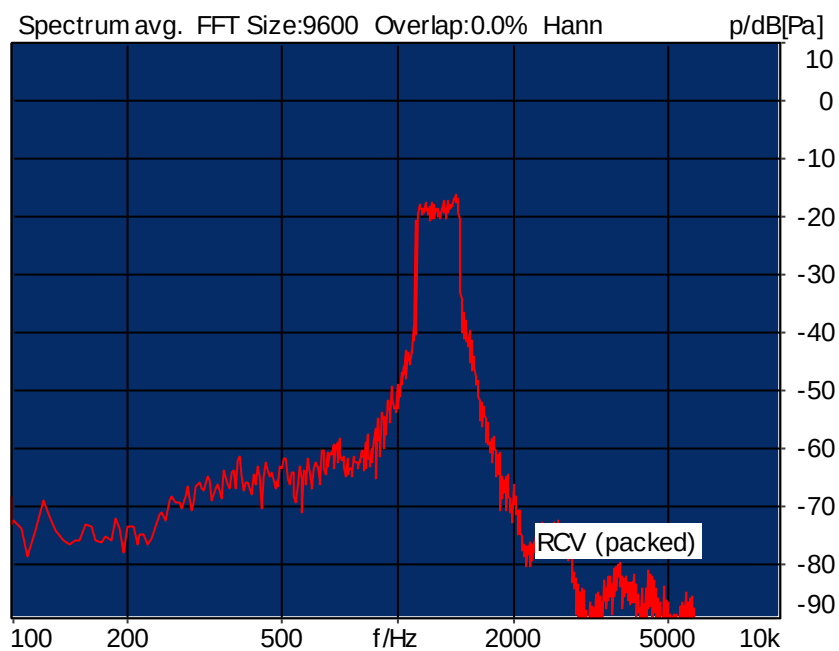
2025-08-05 上午 04:37 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N WB

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



Distortion (Noise) RCV (packed): 23.35 dB (6.80%) Ok

Ok

2025-08-05 上午 04:38 ACQUA 6.1.110

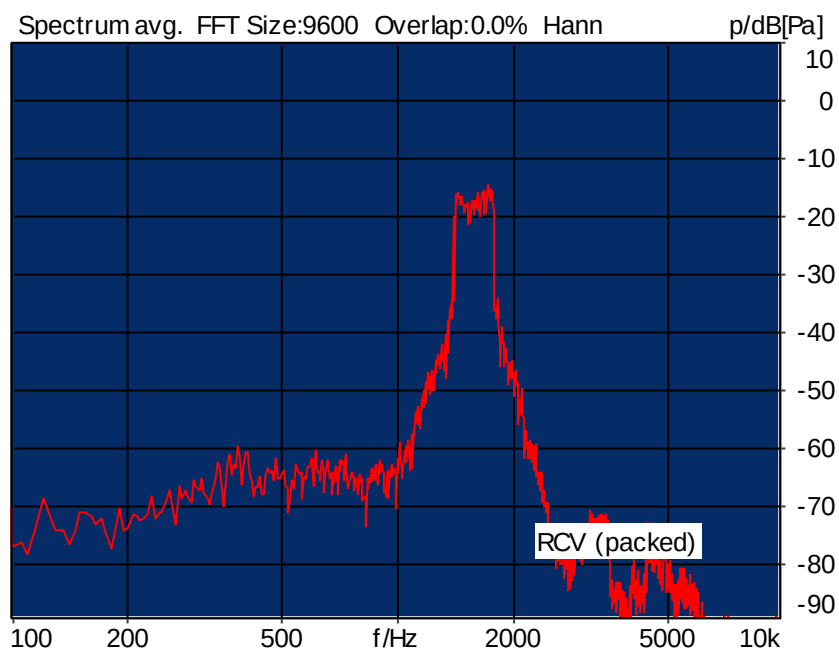
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz 8N WB

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



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

Ok

2025-08-05 上午 04:39 ACQUA 6.1.110

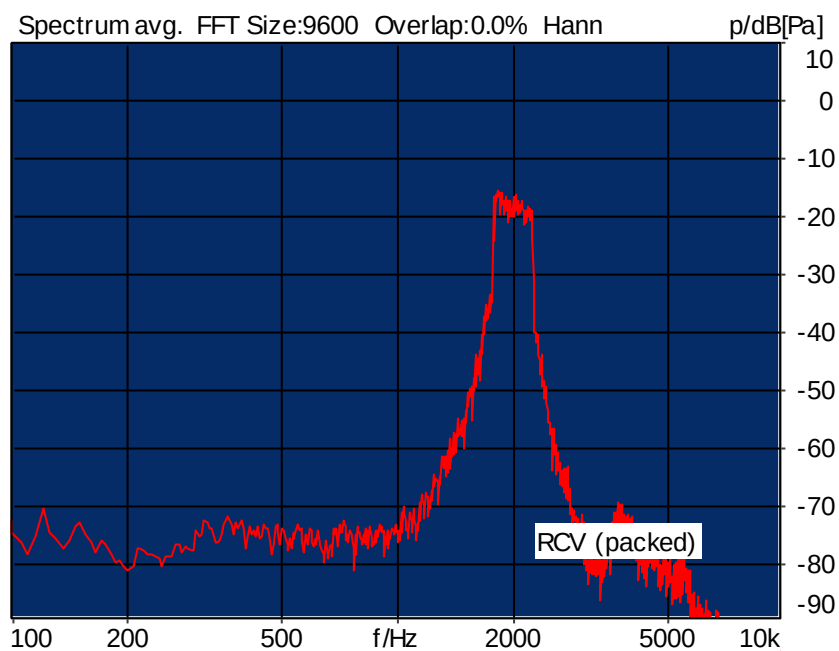
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 2000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 23.08 dB (7.02%) Ok

Ok

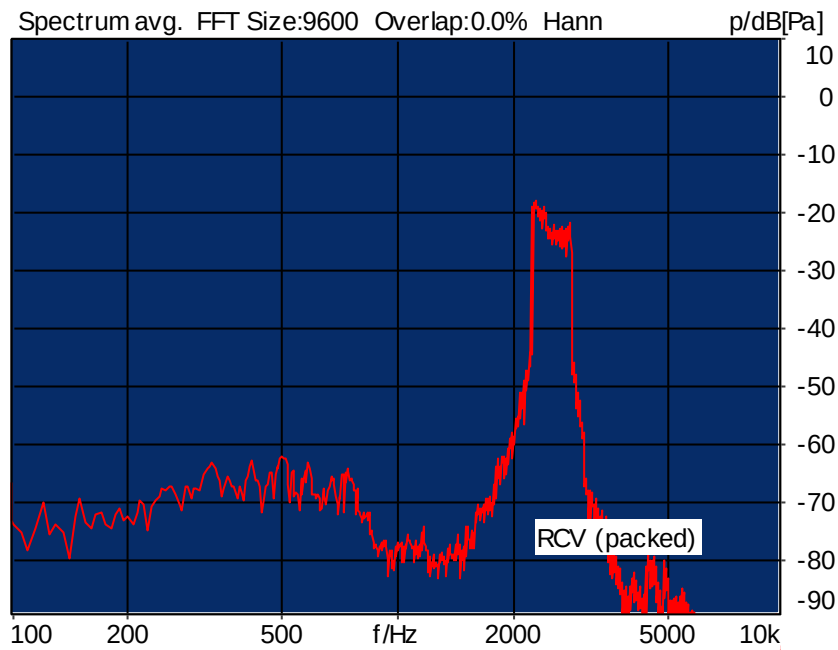
2025-08-05 上午 04:39 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N WB

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



Distortion (Noise) RCV (packed): 29.85 dB (3.22%) Ok

Ok

2025-08-05 上午 04:40 ACQUA 6.1.110

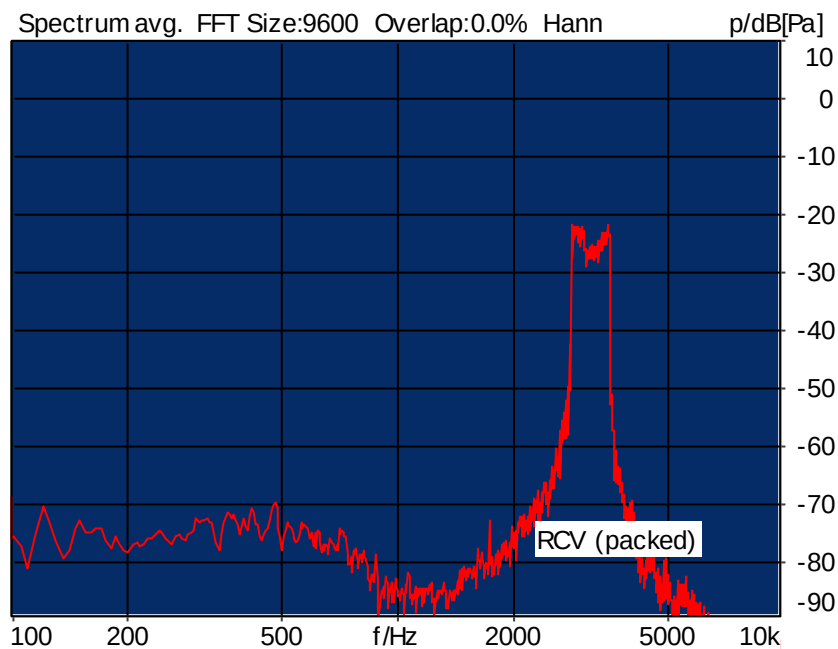
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz 8N WB

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



Distortion (Noise) RCV (packed): 33.94 dB (2.01%) Ok

Ok

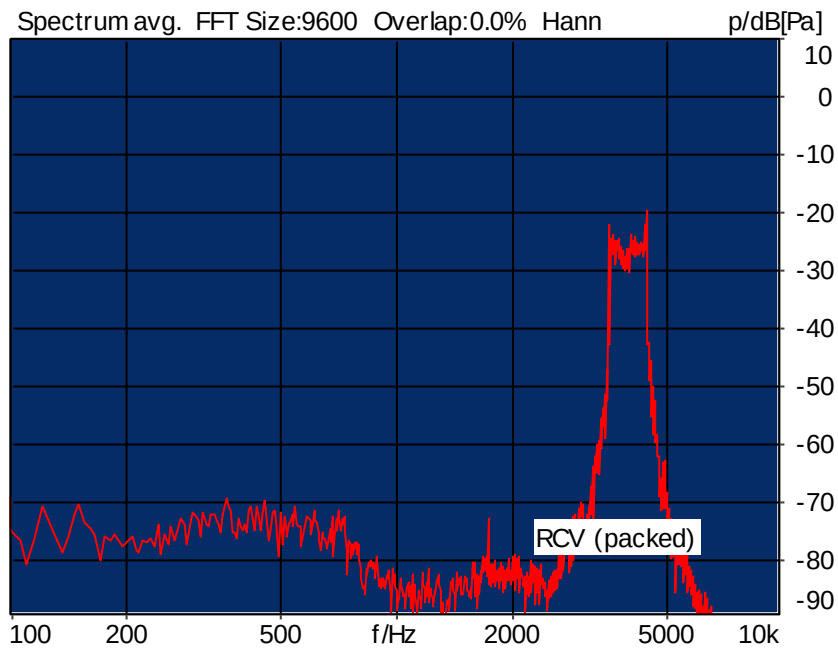
2025-08-05 上午 04:40 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 4000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 27.47 dB (4.23%) Ok

Ok

2025-08-05 上午 04:41 ACQUA 6.1.110

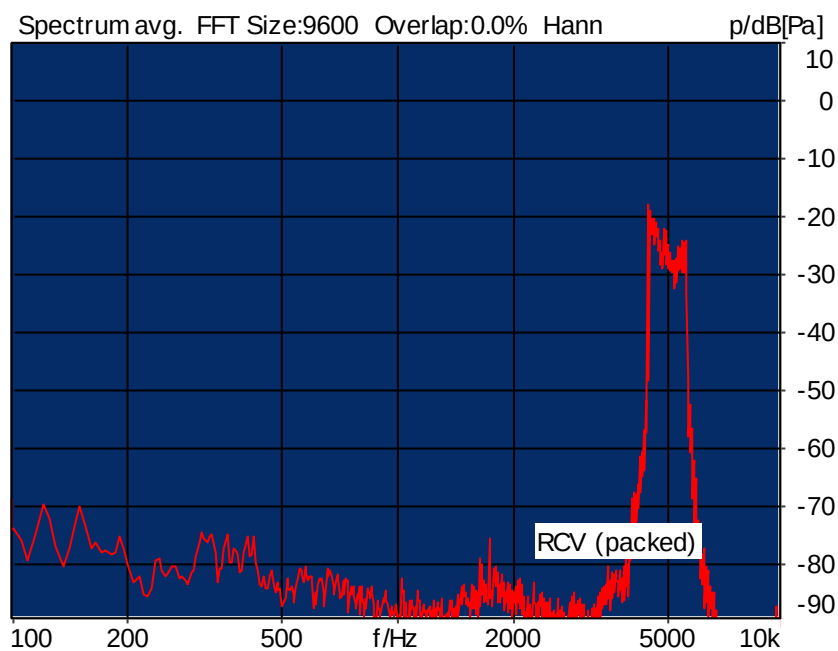
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 5000 Hz 8N WB

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



Distortion (Noise) RCV (packed): 36.79 dB (1.45%) Ok

Ok

2025-08-05 上午 04:41 ACQUA 6.1.110

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	27.11 dB
2	315Hz	25.60 dB
3	400Hz	26.89 dB
4	500Hz	32.22 dB
5	630Hz	36.87 dB
6	800Hz	35.81 dB
7	1000Hz	32.25 dB
8	1250Hz	23.35 dB
9	1600Hz	24.88 dB
10	2000Hz	23.08 dB
11	2500Hz	29.85 dB
12	3150Hz	33.94 dB
13	4000Hz	27.47 dB
14	5000Hz	36.79 dB

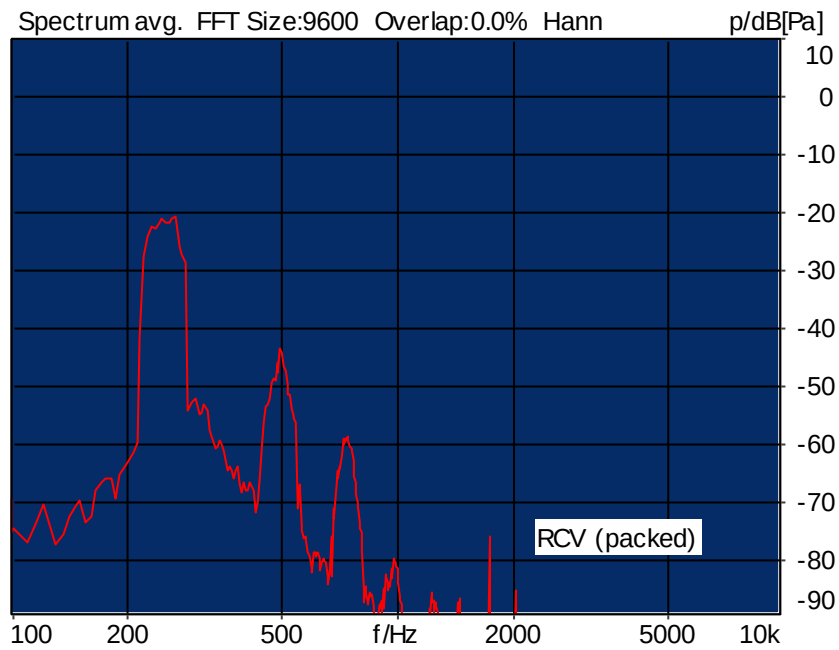
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 23.08dB at 2000Hz.

2025-08-05 上午 04:41 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): 27.02 dB (4.46%) Ok

Ok

2025-08-05 上午 04:43 ACQUA 6.1.110

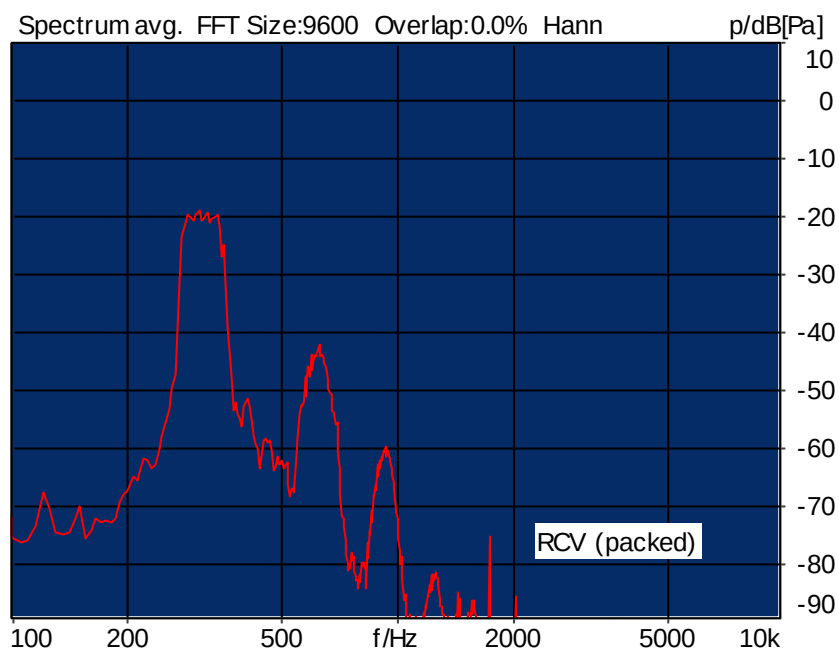
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz 2N WB

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



Distortion (Noise) RCV (packed): 25.46 dB (5.33%) Ok

Ok

2025-08-05 上午 04:44 ACQUA 6.1.110

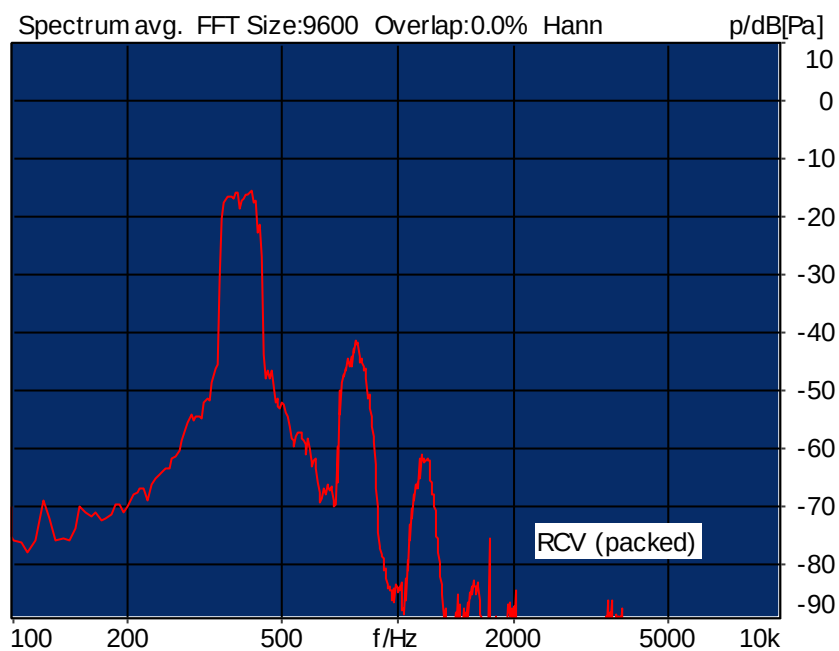
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 400 Hz 2N WB

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



Distortion (Noise) RCV (packed): 26.89 dB (4.52%) Ok

Ok

2025-08-05 上午 04:44 ACQUA 6.1.110

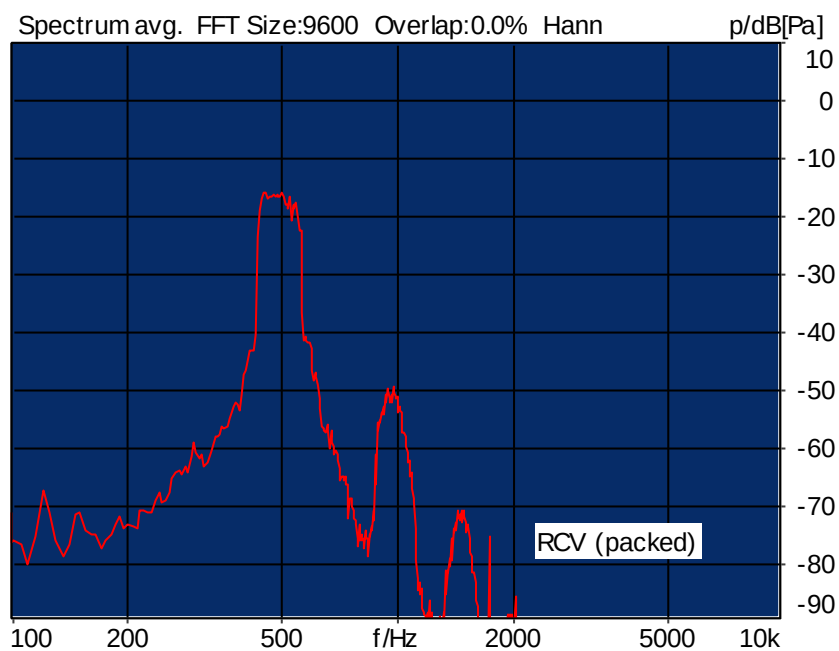
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz 2N WB

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



Distortion (Noise) RCV (packed): 32.13 dB (2.47%) Ok

Ok

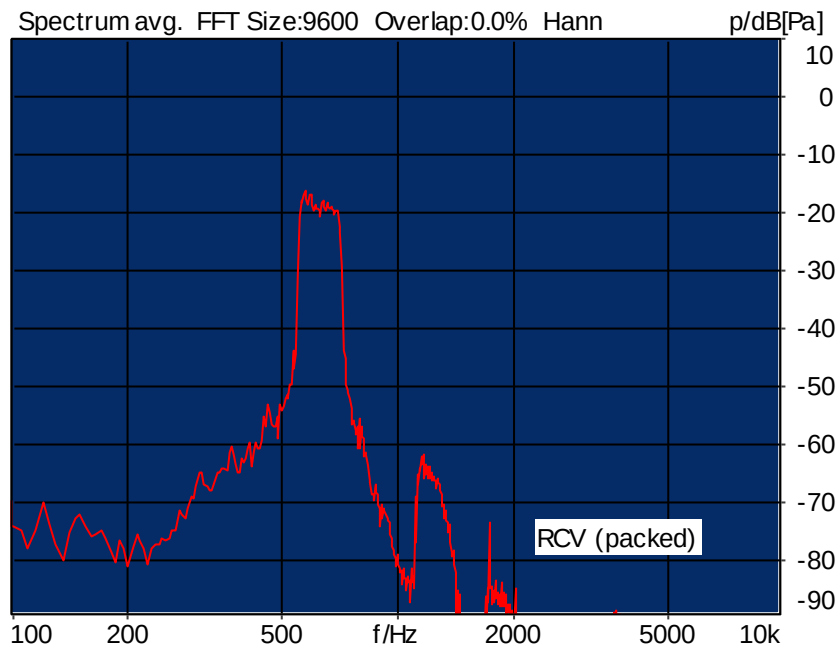
2025-08-05 上午 04:45 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 2N WB

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



Distortion (Noise) RCV (packed): 37.71 dB (1.30%) Ok

Ok

2025-08-05 上午 04:45 ACQUA 6.1.110

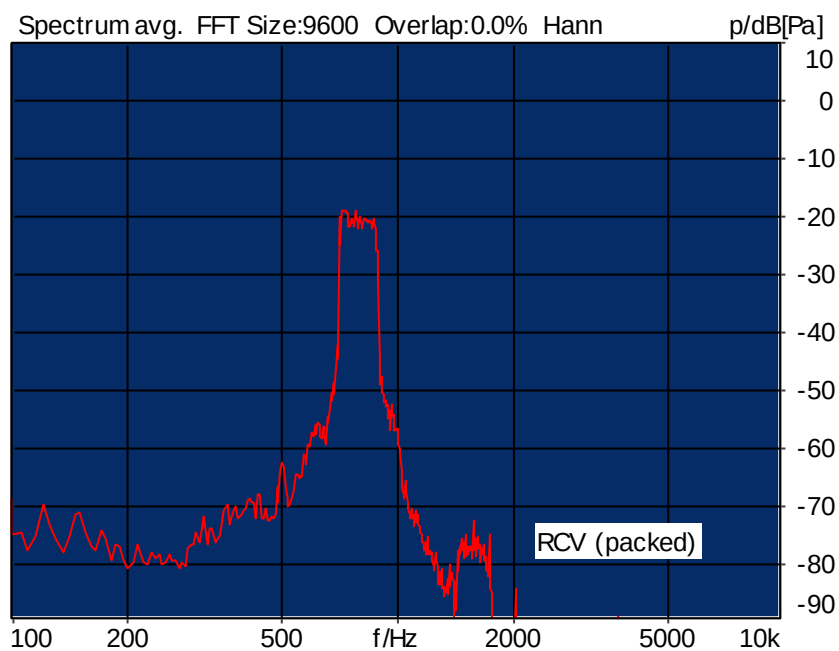
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 800 Hz 2N WB

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



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

Ok

2025-08-05 上午 04:46 ACQUA 6.1.110

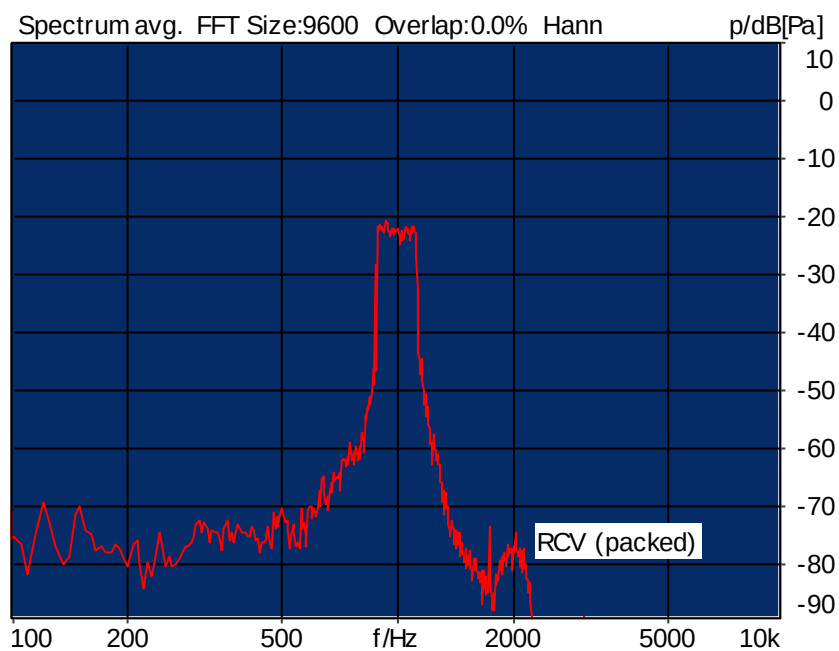
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 33.26 dB (2.17%) Ok

Ok

2025-08-05 上午 04:46 ACQUA 6.1.110

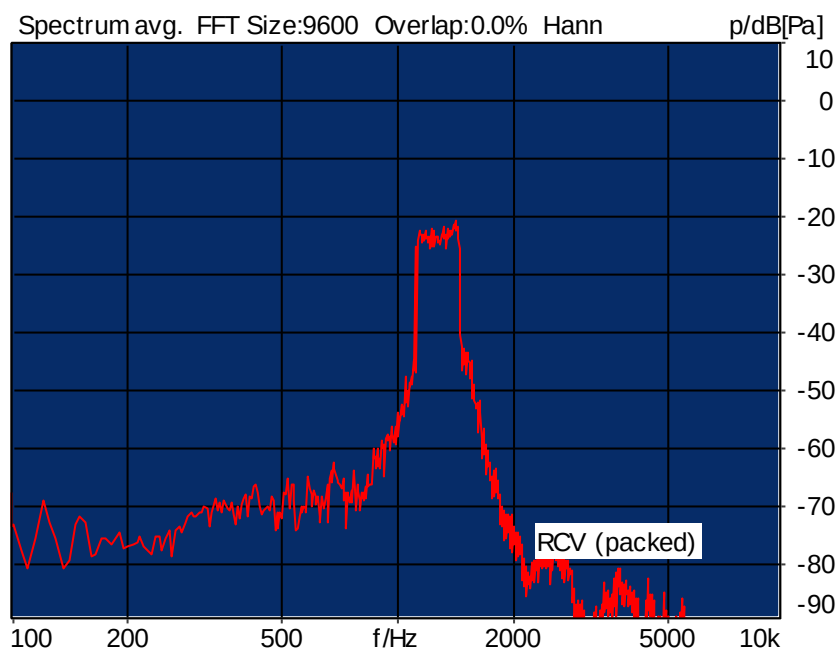
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1250 Hz 2N WB

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



Distortion (Noise) RCV (packed): 23.89 dB (6.39%) Ok

Ok

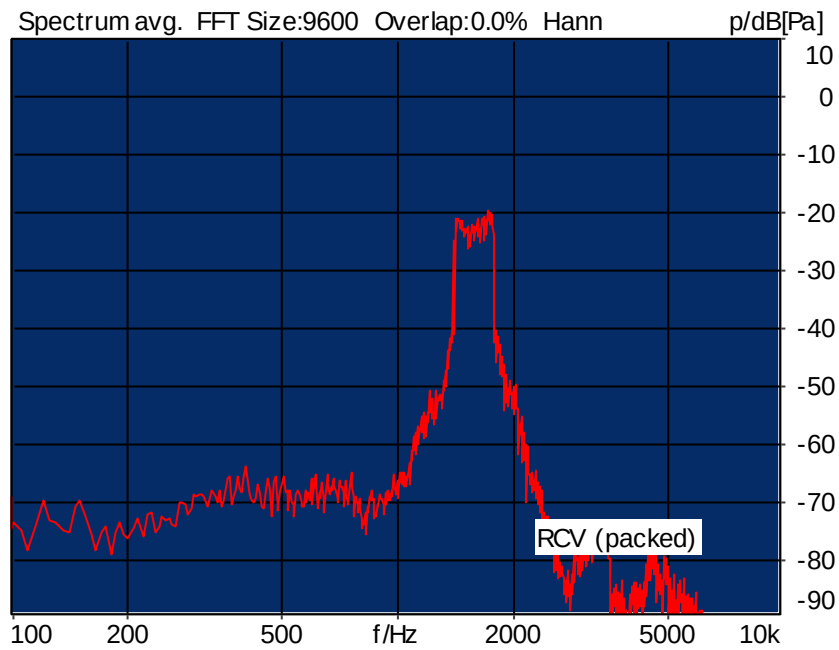
2025-08-05 上午 04:47 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 2N WB

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



Distortion (Noise) RCV (packed): 24.98 dB (5.64%) Ok

Ok

2025-08-05 上午 04:48 ACQUA 6.1.110

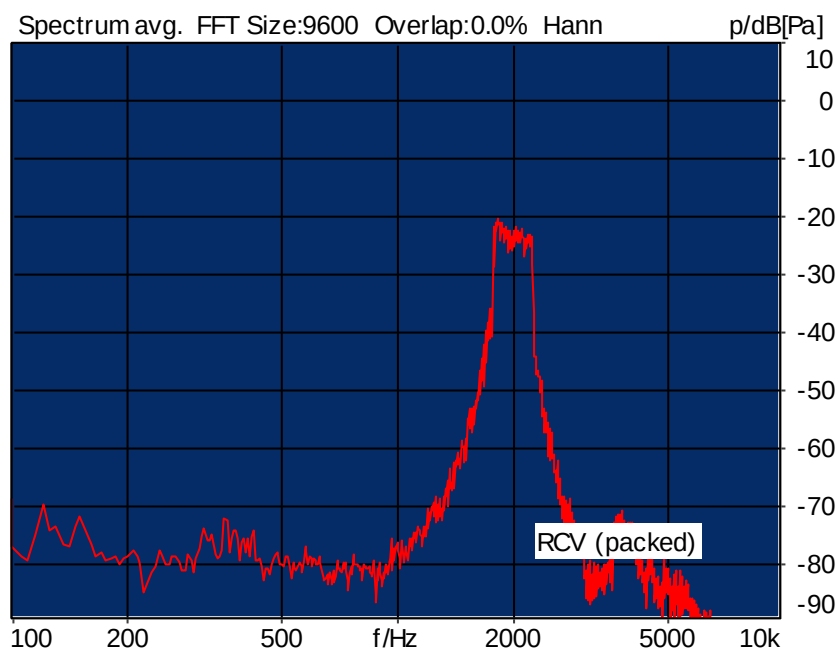
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 2000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 22.28 dB (7.69%) Ok

Ok

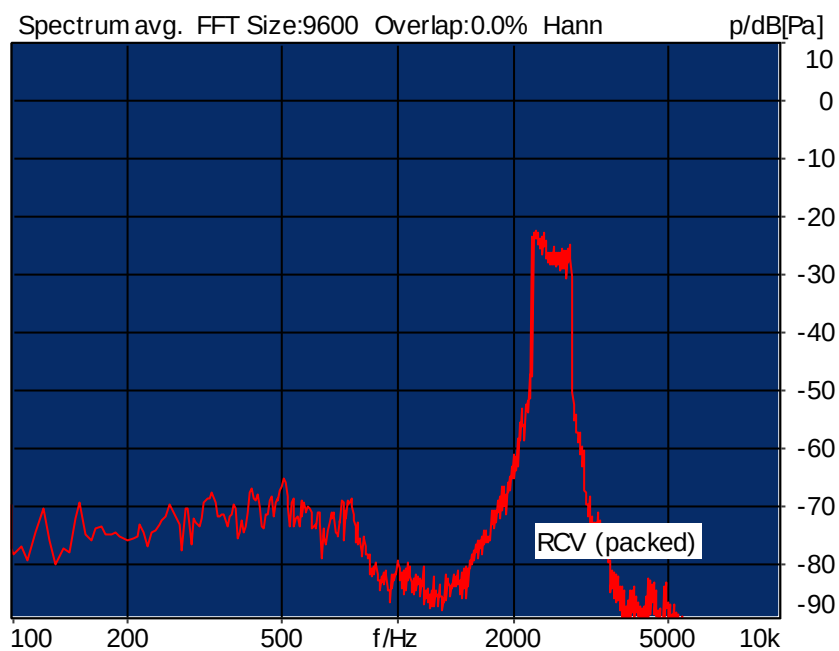
2025-08-05 上午 04:48 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 2N WB

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



Distortion (Noise) RCV (packed): 30.71 dB (2.91%) Ok

Ok

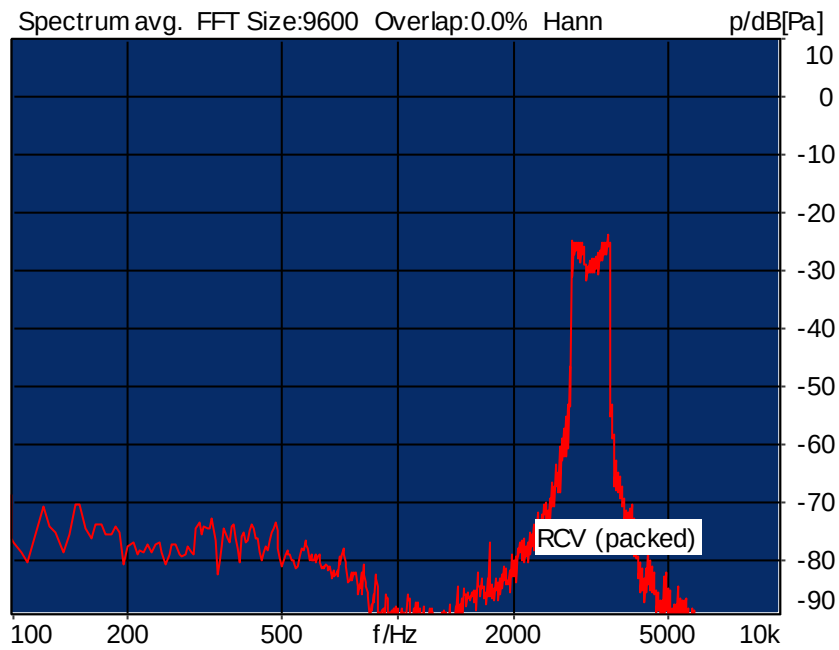
2025-08-05 上午 04:49 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 2N WB

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



Distortion (Noise) RCV (packed): 34.16 dB (1.96%) Ok

Ok

2025-08-05 上午 04:49 ACQUA 6.1.110

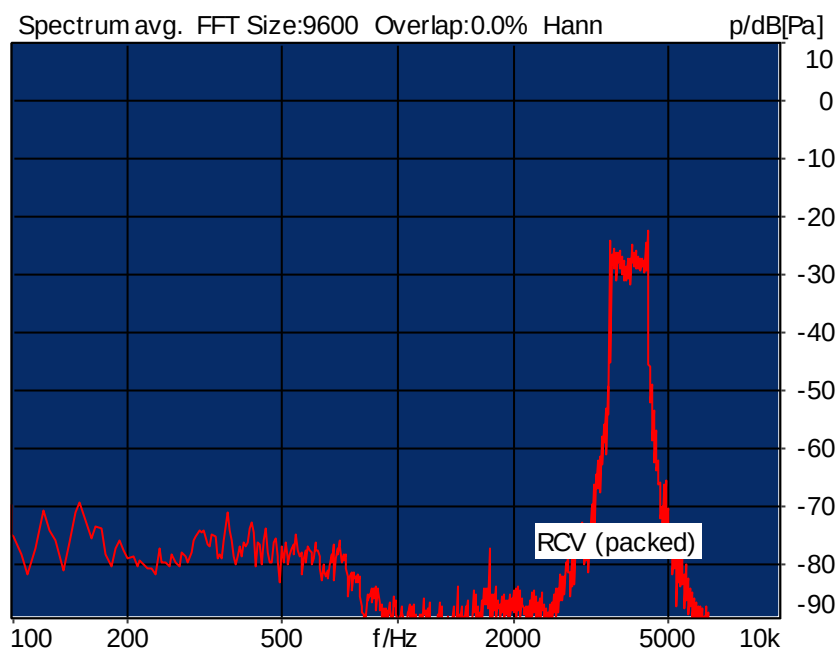
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 4000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 28.84 dB (3.61%) Ok

Ok

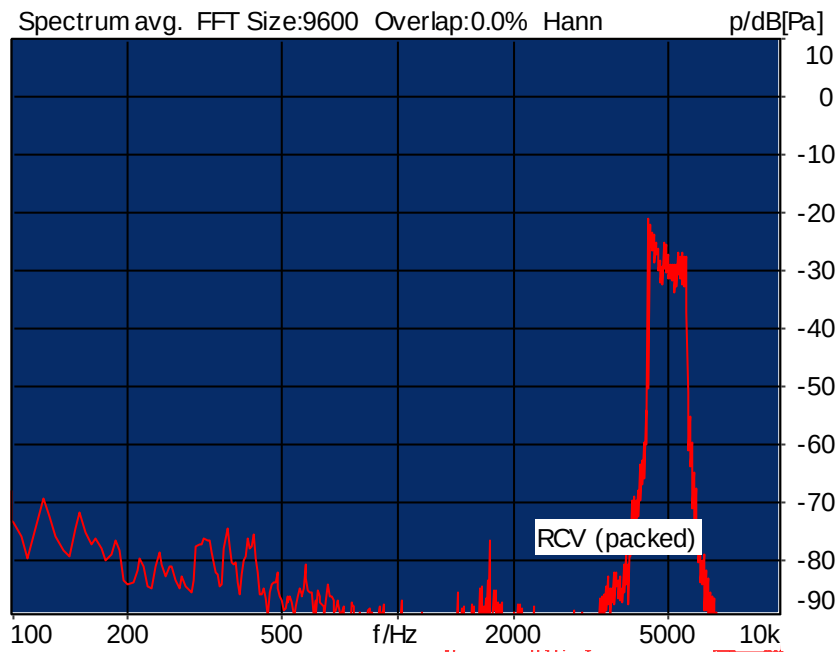
2025-08-05 上午 04:50 ACQUA 6.1.110

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 5000 Hz 2N WB

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



Distortion (Noise) RCV (packed): 36.46 dB (1.50%) Ok

Ok

2025-08-05 上午 04:50 ACQUA 6.1.110

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	27.02 dB
2	315Hz	25.46 dB
3	400Hz	26.89 dB
4	500Hz	32.13 dB
5	630Hz	37.71 dB
6	800Hz	35.57 dB
7	1000Hz	33.26 dB
8	1250Hz	23.89 dB
9	1600Hz	24.98 dB
10	2000Hz	22.28 dB
11	2500Hz	30.71 dB
12	3150Hz	34.16 dB
13	4000Hz	28.84 dB
14	5000Hz	36.46 dB

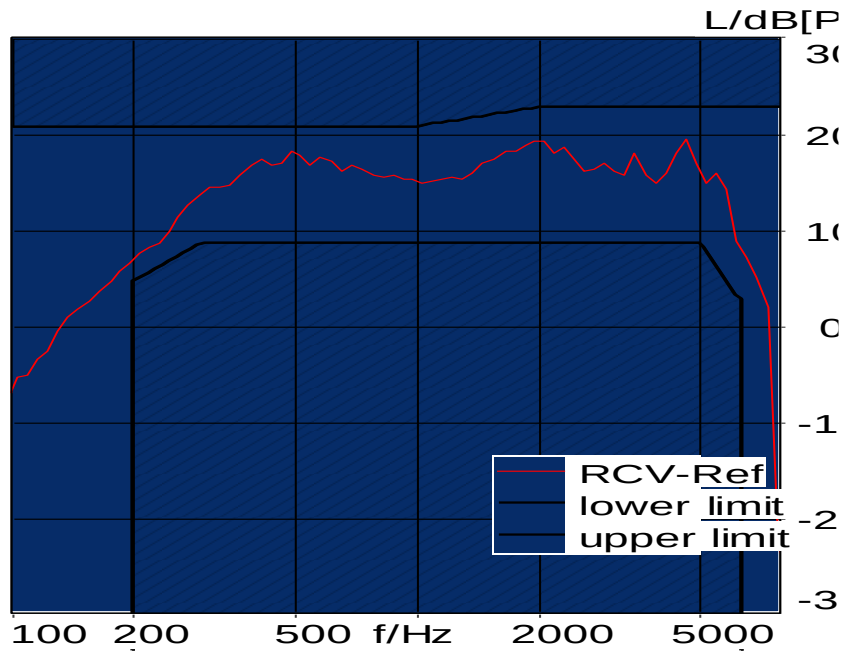
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.28dB at 2000Hz.

2025-08-05 上午 04:50 ACQUA

5.3 Frequency Response 8N DF

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



Absolute minimal distance

2.52 dB at 487.0 Hz Ok

Ok

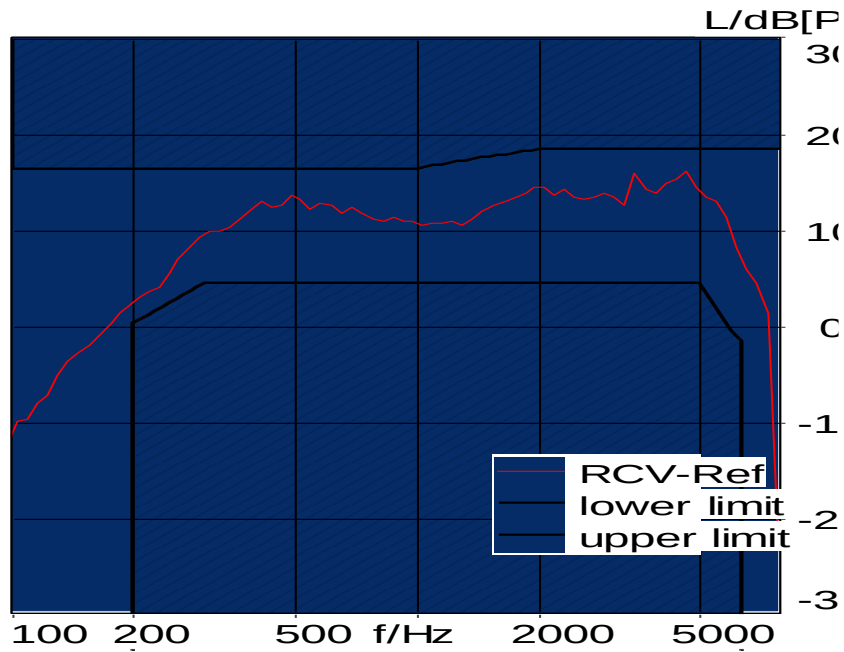
2025-08-05 上午 04:42 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF

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



Absolute minimal distance

2.34 dB at 4620.1 Hz Ok

Ok

2025-08-05 上午 04:51 ACQUA 6.1.110

Limits

lower
Fit into tolerance



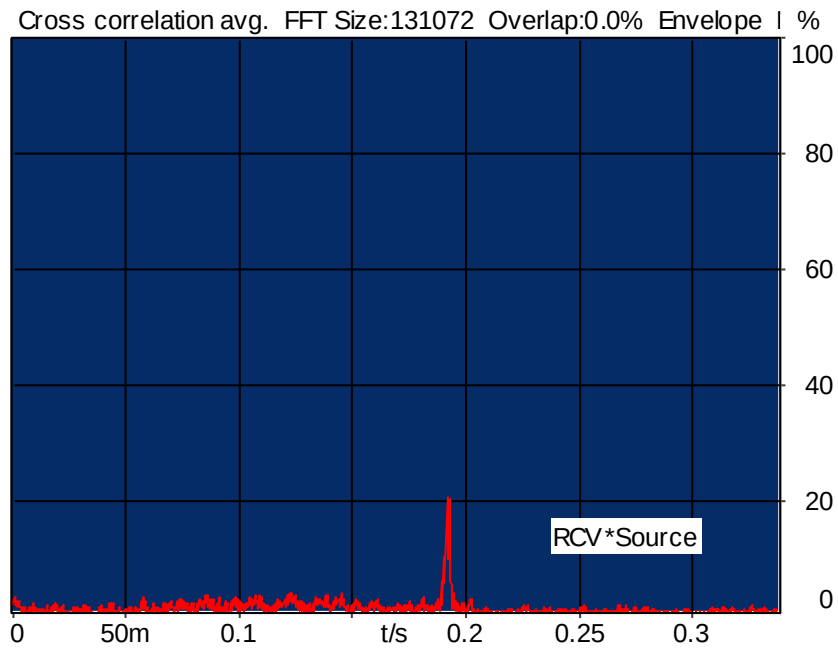
#2 NR n26 EVS NB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	192.5
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.44
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	84.99
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.30
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.07
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.33
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.32
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.91
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.63
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.70
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.64
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.86
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.72
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 800Hz)	22.32
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.22
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.03
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.84
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.57
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.62
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.73
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.11
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.62
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.67
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.02
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 630Hz)	21.84
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 324.6 Hz	2.49
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3882.4 Hz	0.51



Overall Receive Delay NB

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

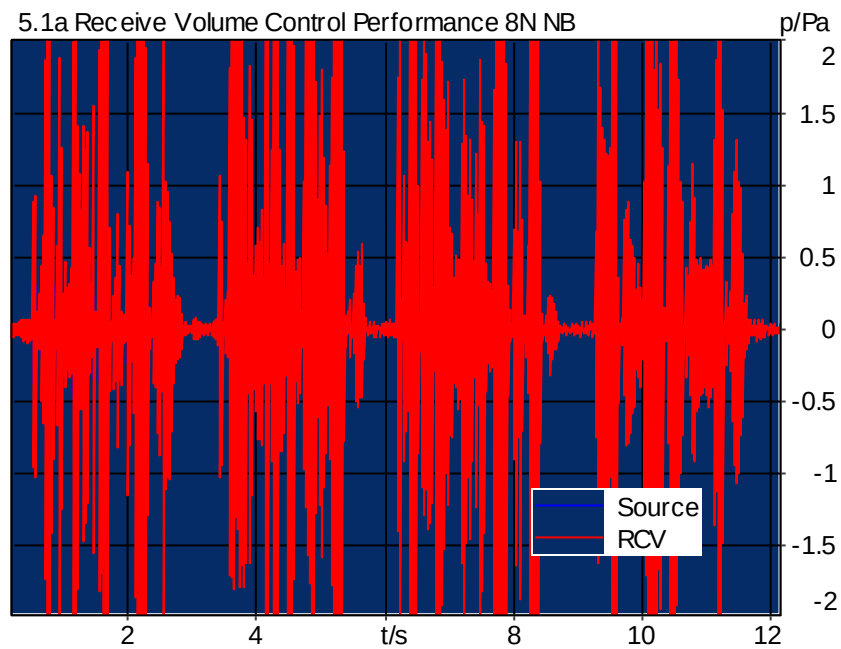


Channel	Delay	Correlation
RCV*Source	192.5 ms	20.57 %

2025-09-07 下午 02:33 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	89.44 dB[SPL]	58.38%	Ok

Ok

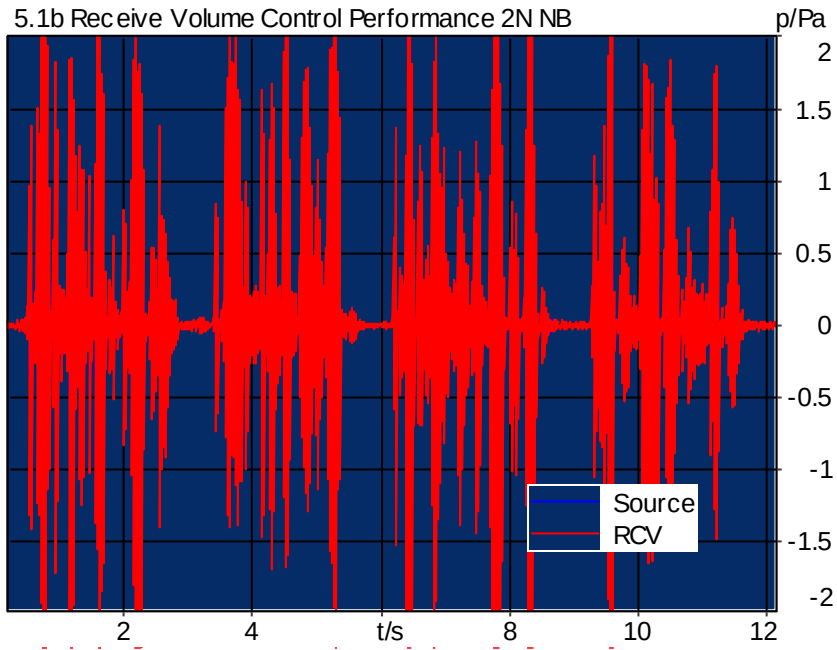
2025-08-01 上午 08:37 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	84.99 dB[SPL]	80.27%	Ok

Ok

2025-09-07 下午 02:34 ACQUA 6.1.110

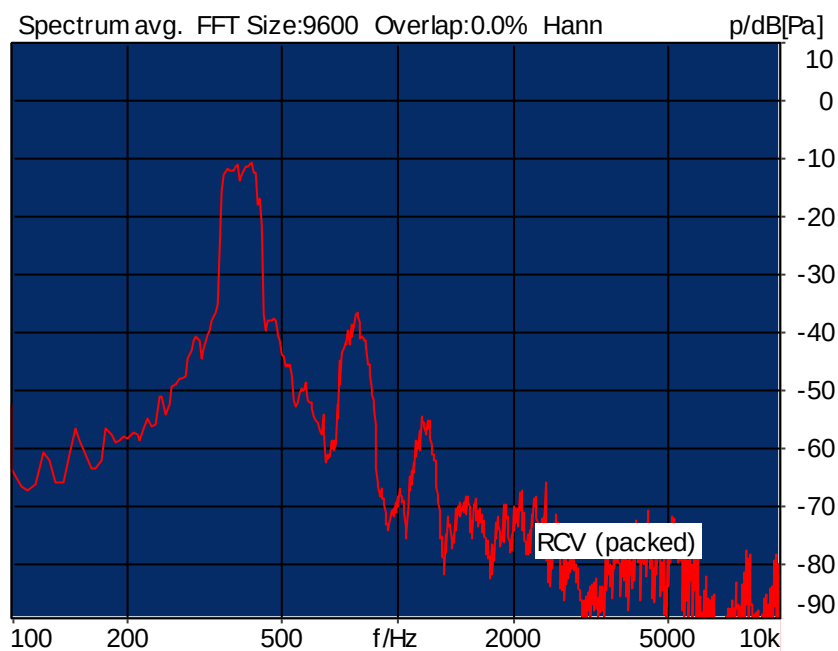
Limits

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): 26.30 dB (4.84%) Ok

Ok

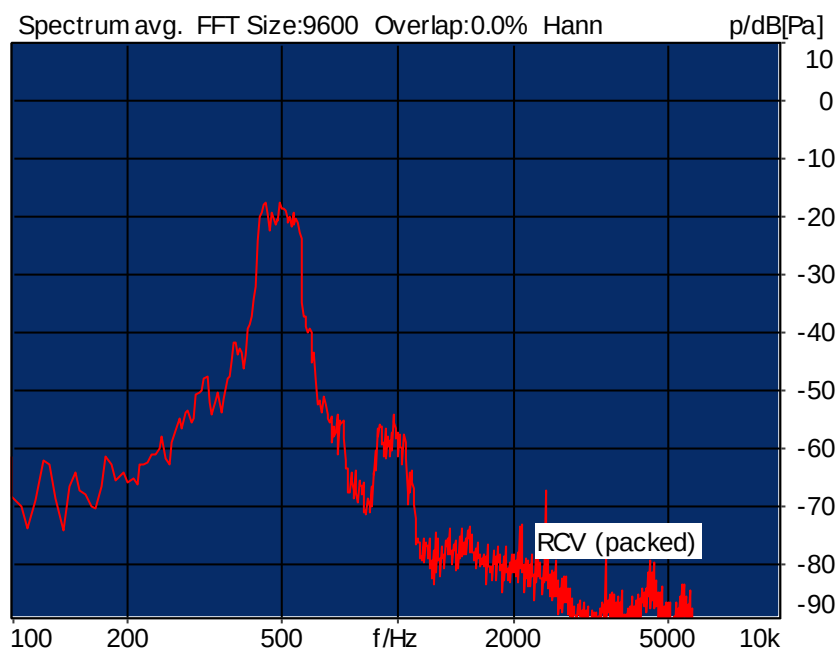
2025-08-01 上午 08:38 ACQUA 6.1.110

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): 29.07 dB (3.52%) Ok

Ok

2025-08-01 上午 08:38 ACQUA 6.1.110

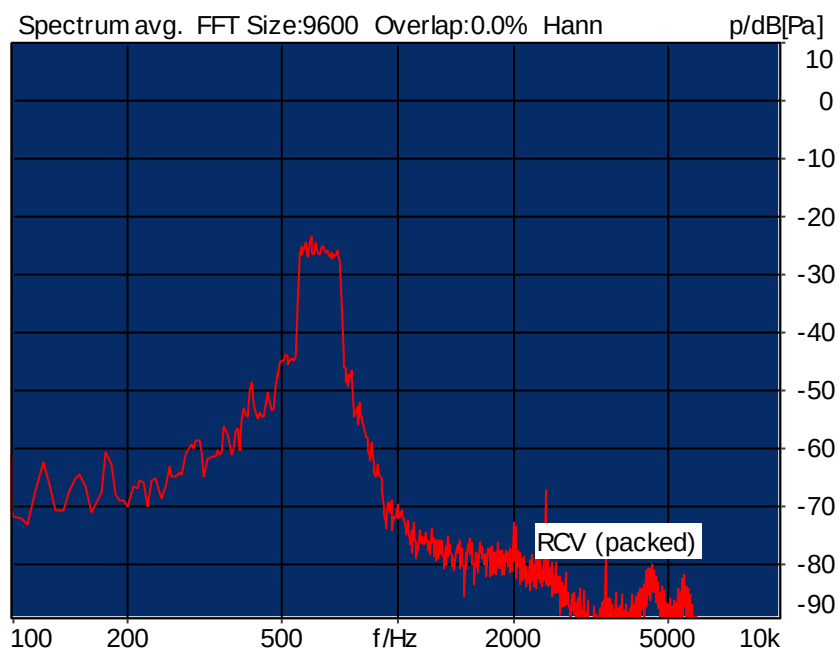
Limits

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): 25.33 dB (5.41%) Ok

Ok

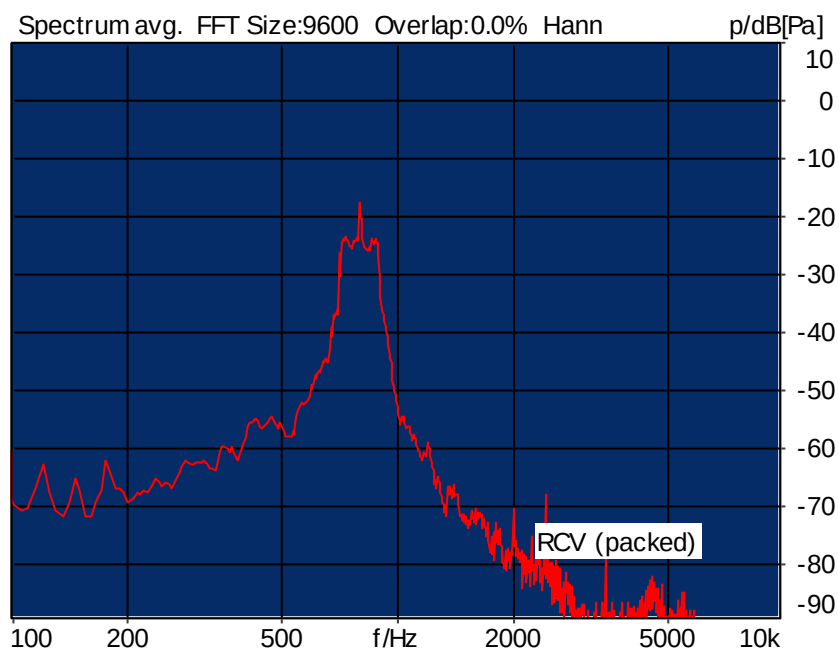
2025-08-01 上午 08:39 ACQUA 6.1.110

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): 22.32 dB (7.66%) Ok

Ok

2025-08-01 上午 08:40 ACQUA 6.1.110

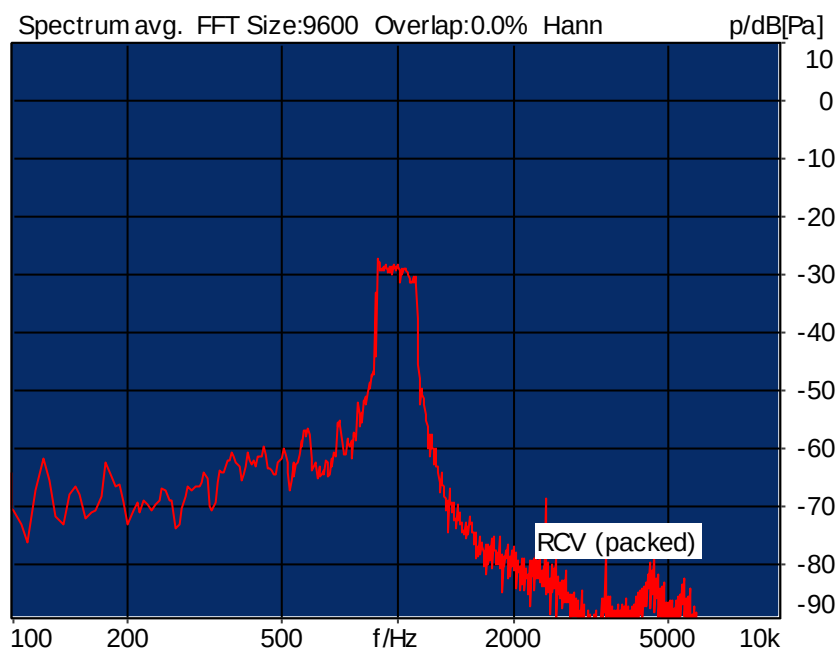
Limits

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): 24.91 dB (5.68%) Ok

Ok

2025-08-01 上午 08:40 ACQUA 6.1.110

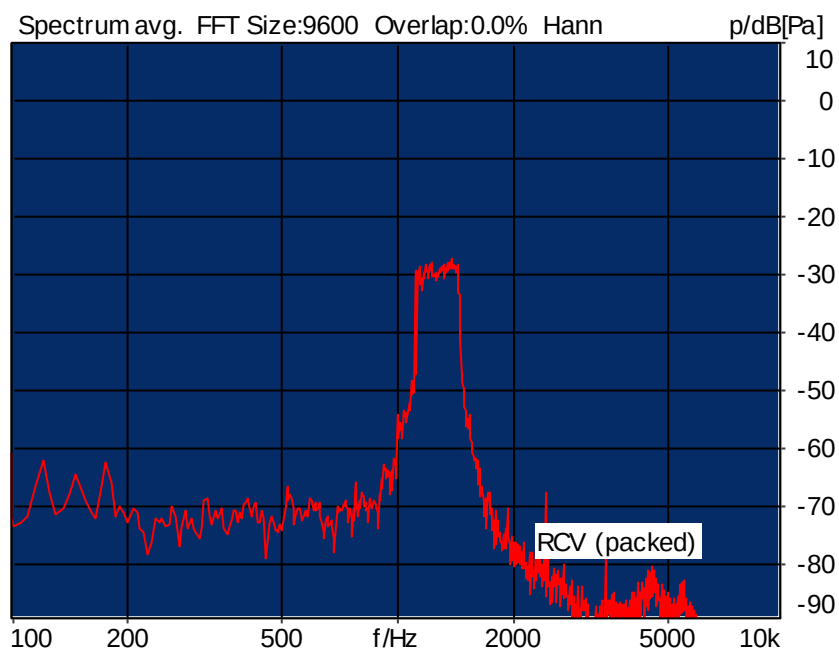
Limits

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): 23.63 dB (6.58%) Ok

Ok

2025-08-01 上午 08:41 ACQUA 6.1.110

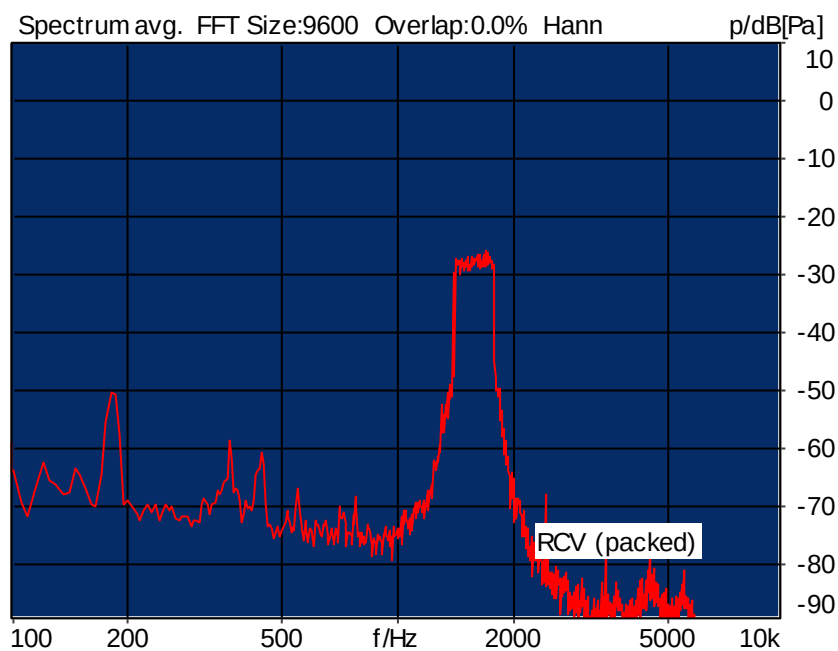
Limits

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): 27.70 dB (4.12%) Ok

Ok

2025-08-01 上午 08:41 ACQUA 6.1.110

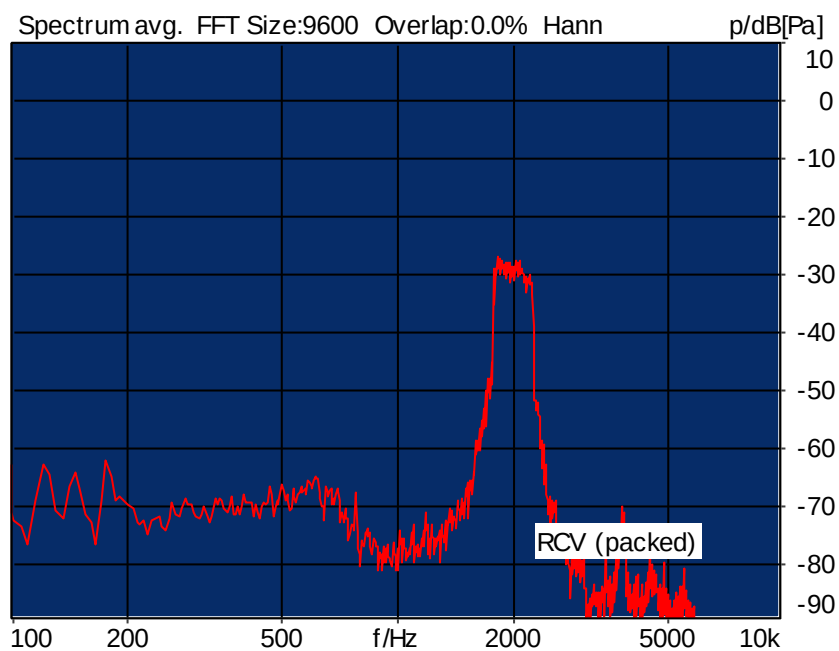
Limits

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): 25.64 dB (5.22%) Ok

Ok

2025-08-01 上午 08:42 ACQUA 6.1.110

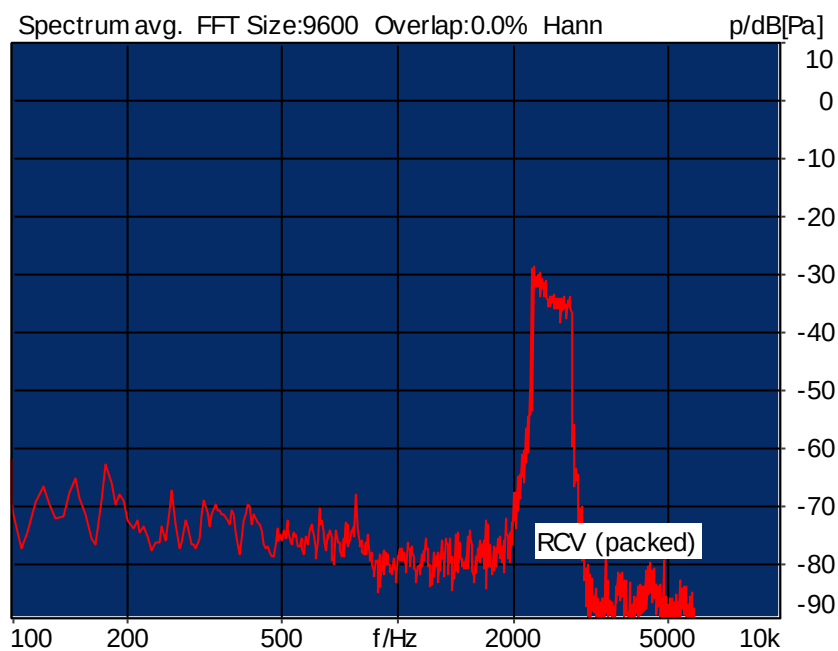
Limits

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): 28.86 dB (3.61%) Ok

Ok

2025-08-01 上午 08:42 ACQUA 6.1.110

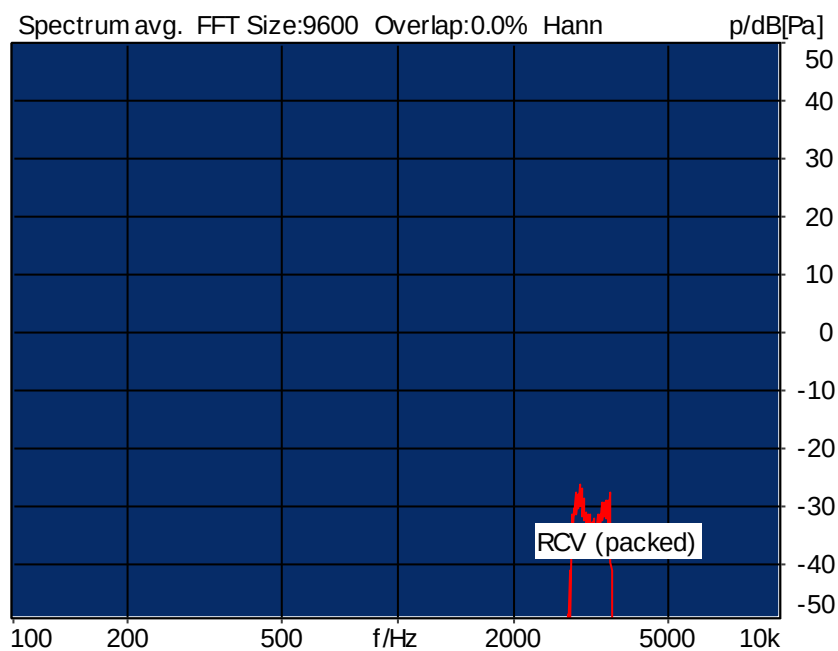
Limits

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): 23.72 dB (6.51%) Ok

Ok

2025-08-01 上午 08:43 ACQUA 6.1.110

Limits

lower
20.00 dB



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

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

Region	Frequency	SDNR
1	400Hz	26.30 dB
2	500Hz	29.07 dB
3	630Hz	25.33 dB
4	800Hz	22.32 dB
5	1000Hz	24.91 dB
6	1250Hz	23.63 dB
7	1600Hz	27.70 dB
8	2000Hz	25.64 dB
9	2500Hz	28.86 dB
10	3150Hz	23.72 dB

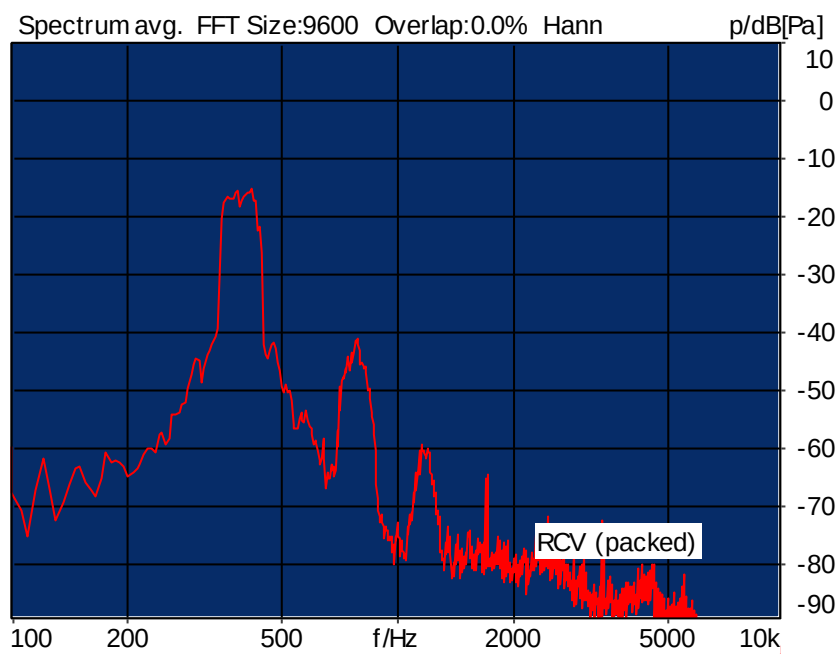
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.32dB at 800Hz.

2025-08-01 上午 08:43 ACQUA

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): 26.22 dB (4.89%) Ok

Ok

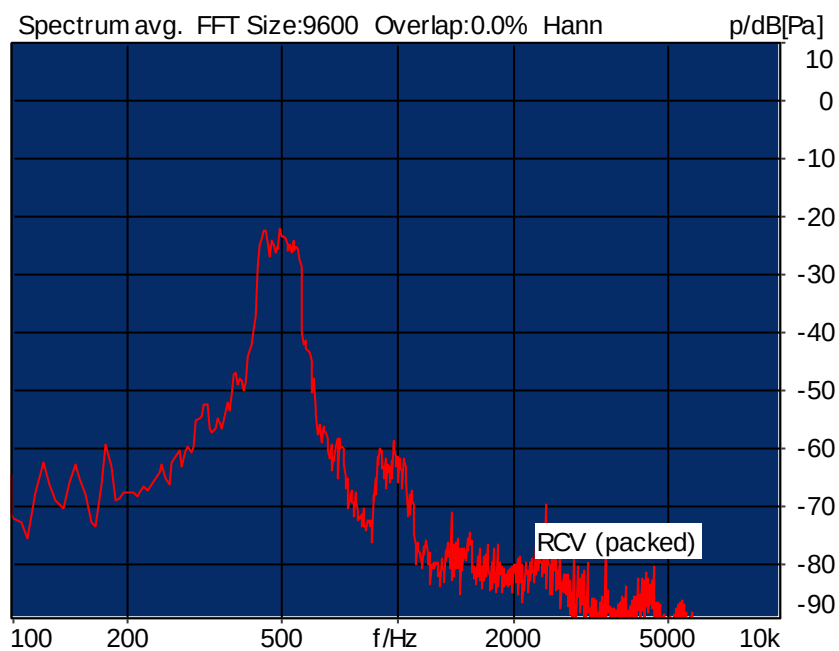
2025-08-01 上午 08:45 ACQUA 6.1.110

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): 29.03 dB (3.53%) Ok

Ok

2025-08-01 上午 08:45 ACQUA 6.1.110

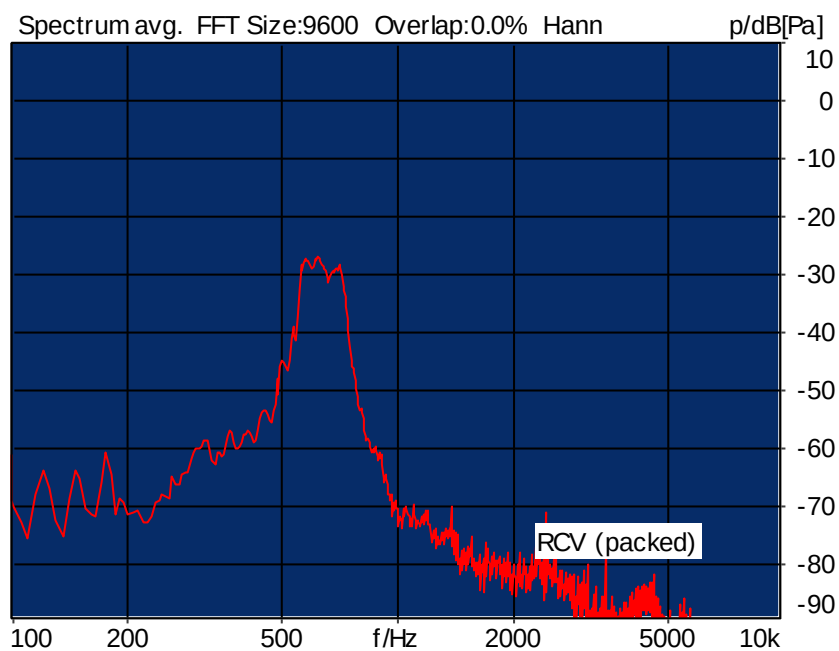
Limits

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): 21.84 dB (8.09%) Ok

Ok

2025-08-01 上午 08:46 ACQUA 6.1.110

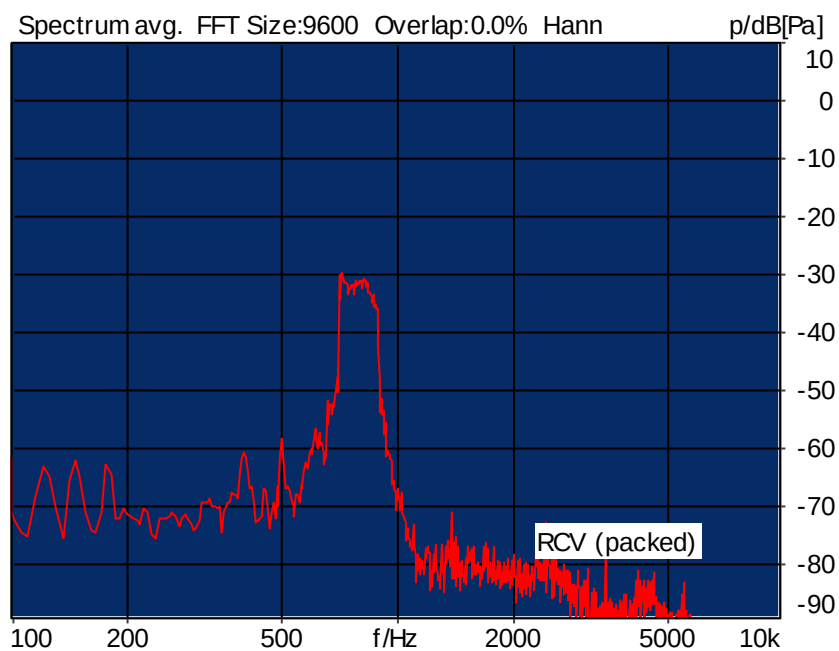
Limits

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): 27.57 dB (4.18%) Ok

Ok

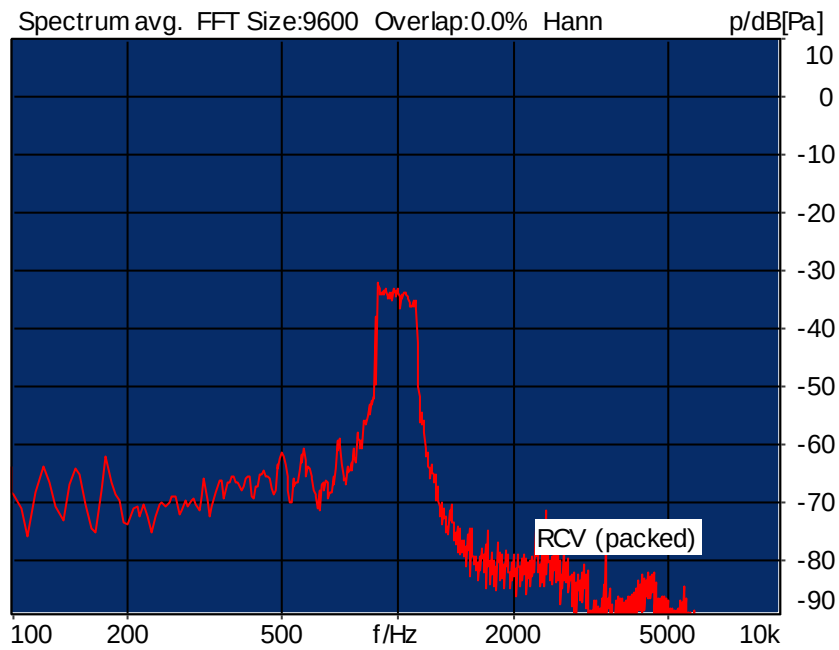
2025-08-01 上午 08:46 ACQUA 6.1.110

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): 24.62 dB (5.87%) Ok

Ok

2025-08-01 上午 08:47 ACQUA 6.1.110

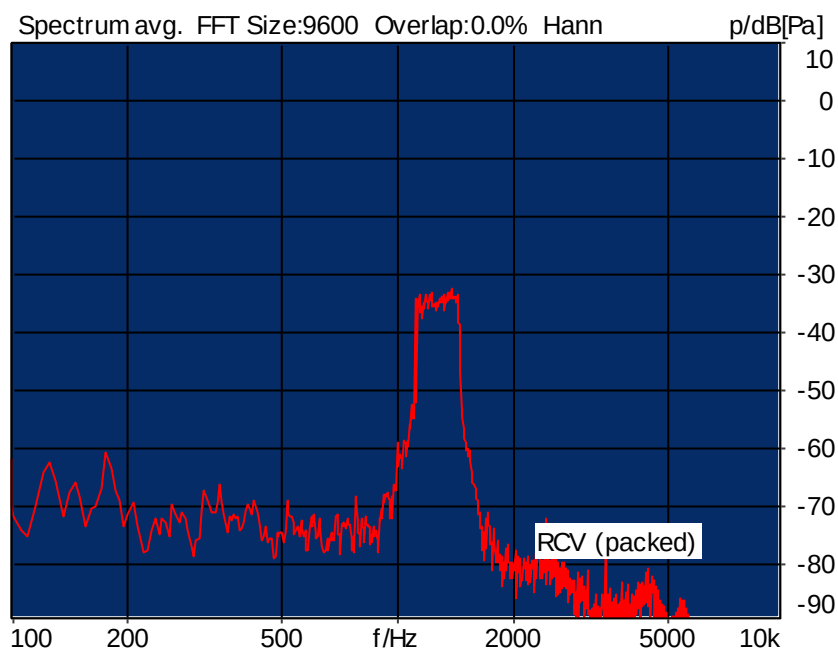
Limits

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): 23.73 dB (6.51%) Ok

Ok

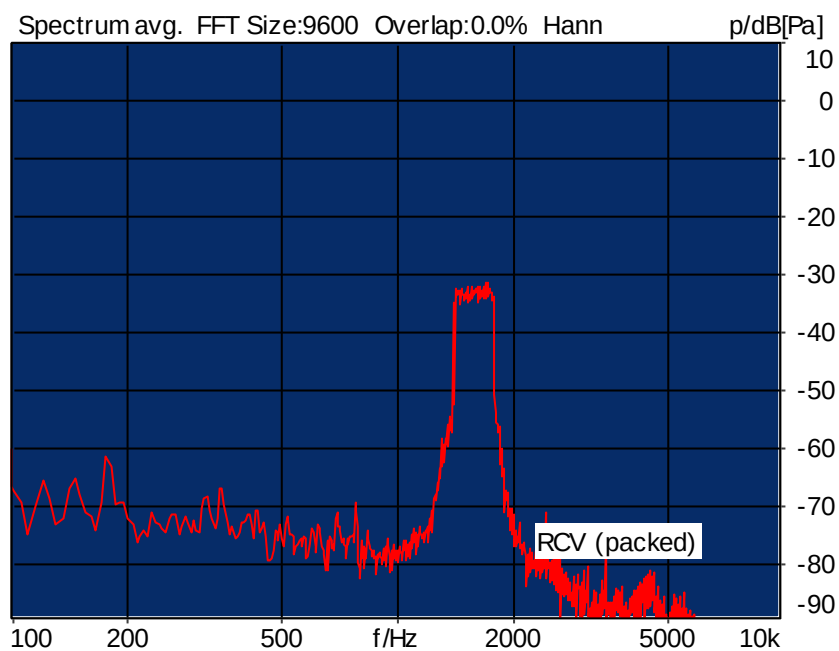
2025-08-01 上午 08:47 ACQUA 6.1.110

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): 28.11 dB (3.93%) Ok

Ok

2025-08-01 上午 08:48 ACQUA 6.1.110

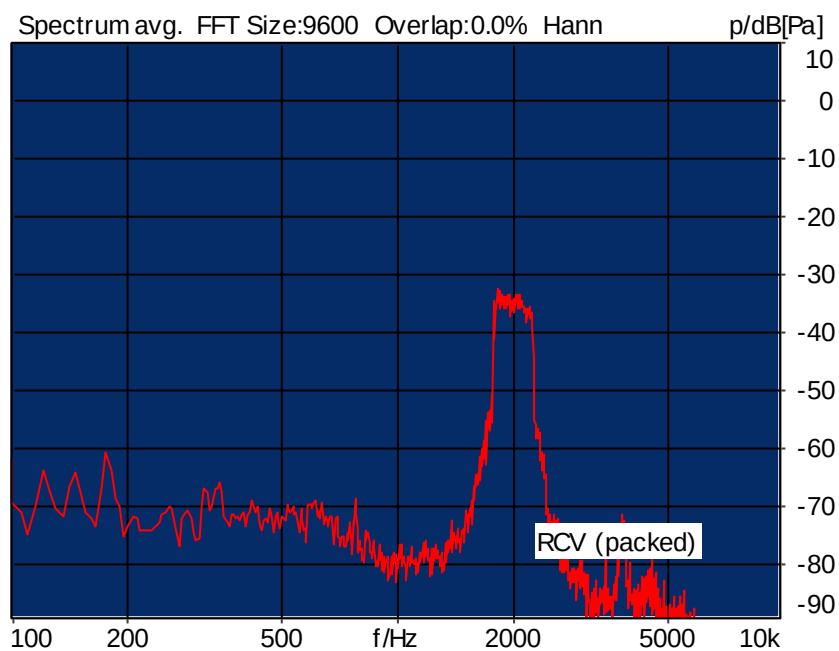
Limits

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): 24.62 dB (5.88%) Ok

Ok

2025-08-01 上午 08:49 ACQUA 6.1.110

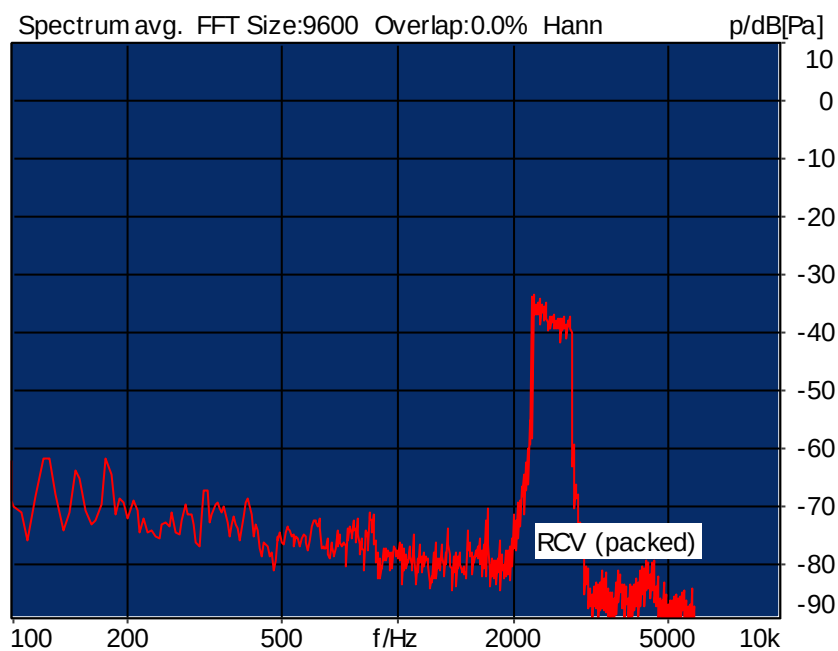
Limits

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): 28.67 dB (3.68%) Ok

Ok

2025-08-01 上午 08:49 ACQUA 6.1.110

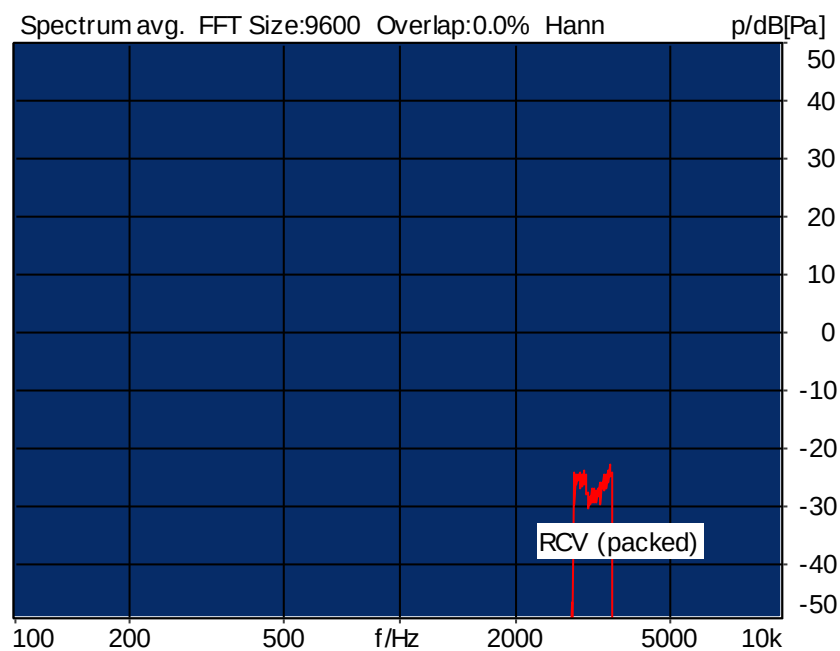
Limits

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): 43.02 dB (0.71%) Ok

Ok

2025-08-01 上午 08:50 ACQUA 6.1.110

Limits

lower
20.00 dB



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

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

Region	Frequency	SDNR
1	400Hz	26.22 dB
2	500Hz	29.03 dB
3	630Hz	21.84 dB
4	800Hz	27.57 dB
5	1000Hz	24.62 dB
6	1250Hz	23.73 dB
7	1600Hz	28.11 dB
8	2000Hz	24.62 dB
9	2500Hz	28.67 dB
10	3150Hz	43.02 dB

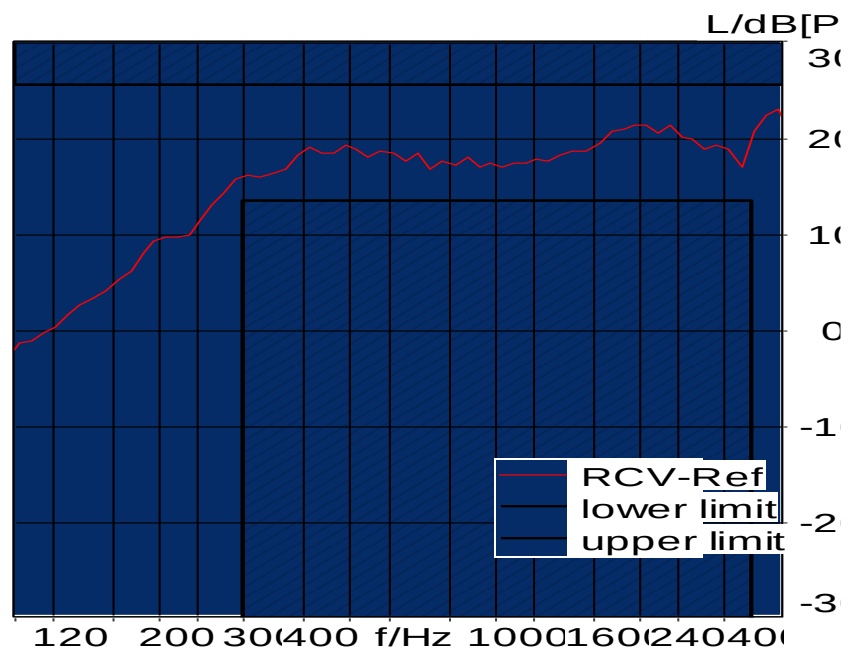
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.84dB at 630Hz.

2025-08-01 上午 08:50 ACQUA

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance

2.49 dB at 324.6 Hz Ok

Ok

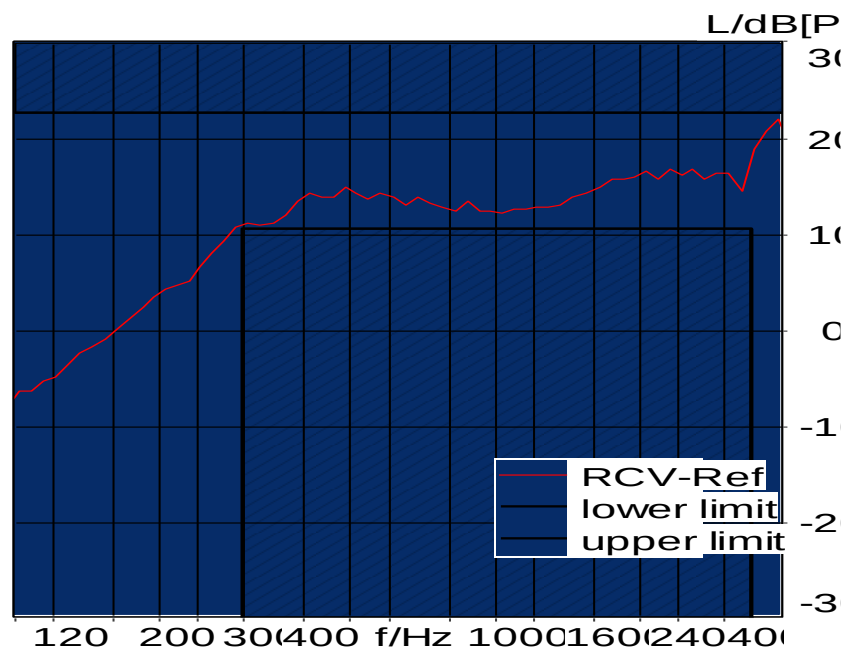
2025-08-01 上午 08:43 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance

0.51 dB at 3882.4 Hz Ok

Ok

2025-08-01 上午 08:50 ACQUA 6.1.110

Limits

lower
Fit into tolerance

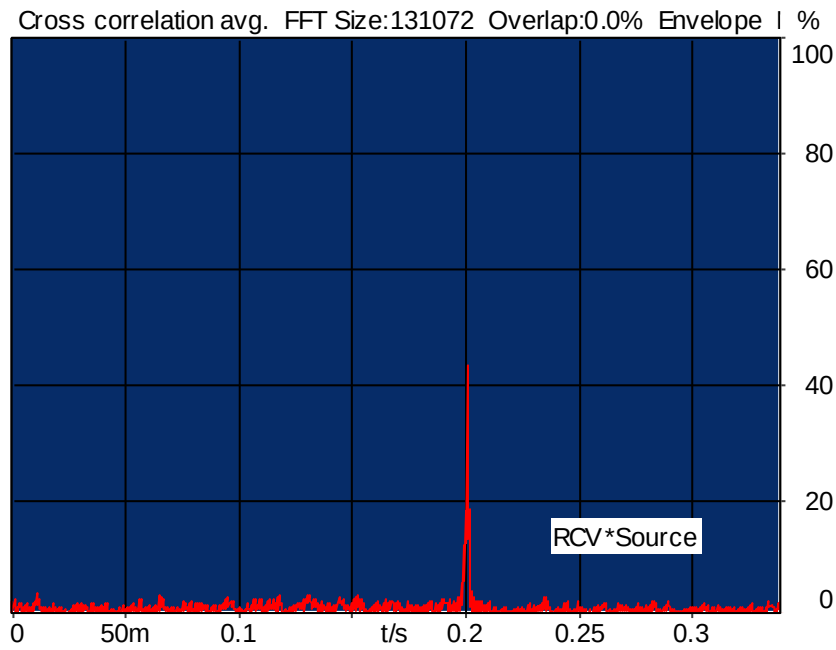
**#3 WiFi 6GHz EVS NB 24.4kbps**

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	201.1
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	90.15
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	85.01
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.66
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.54
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.44
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.98
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.37
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.98
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.73
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.99
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.89
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.85
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 1000Hz)	22.37
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3882.4 Hz	2.42
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.00
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.30
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.10
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.60
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.81
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.04
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.24
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.64
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.38
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	47.34
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 1250Hz)	24.04
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 324.6 Hz	0.73



Overall Receive Delay NB

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

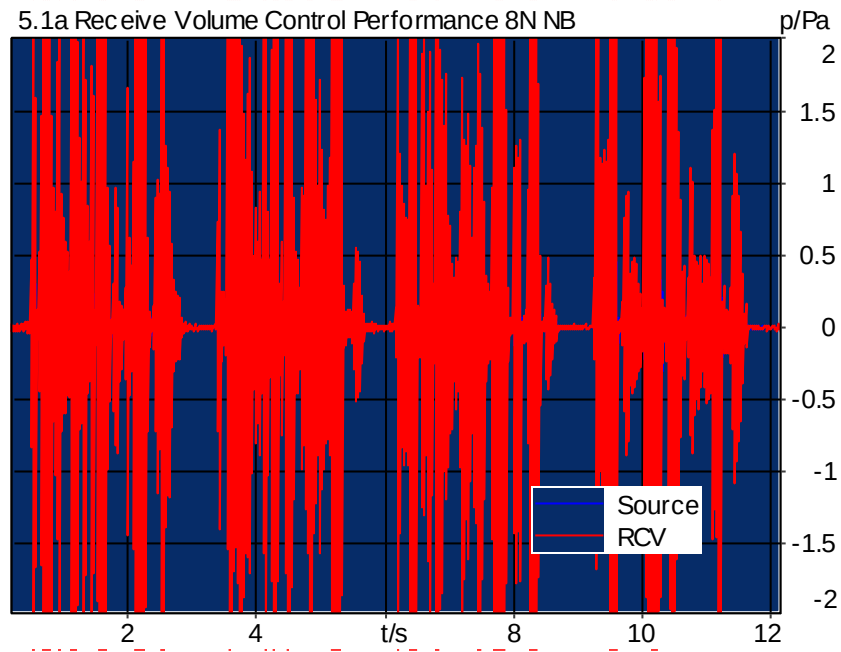


Channel	Delay	Correlation
RCV*Source	201.1 ms	43.51 %

2025-07-31 下午 11:35 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	90.15 dB[SPL]	57.05%	Ok

Ok

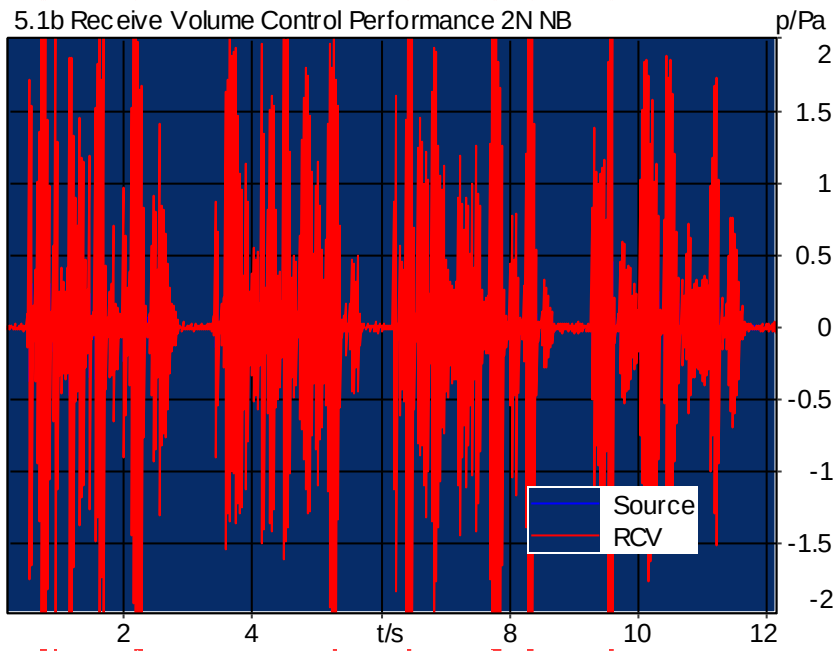
2025-07-31 下午 11:46 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	85.01 dB[SPL]	83.51%	Ok

Ok

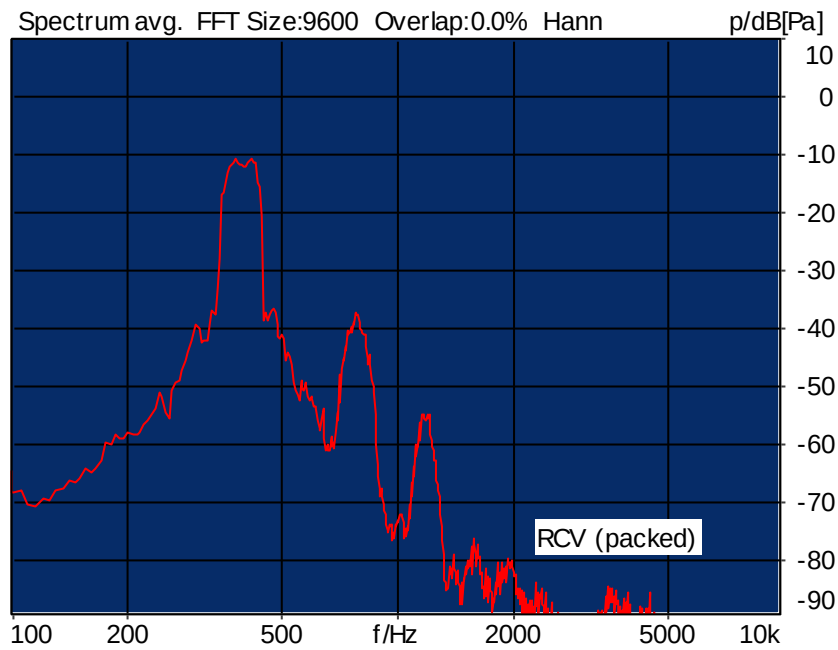
2025-09-10 下午 08:04 ACQUA 6.1.110

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): 26.66 dB (4.65%) Ok

Ok

2025-07-31 下午 11:53 ACQUA 6.1.110

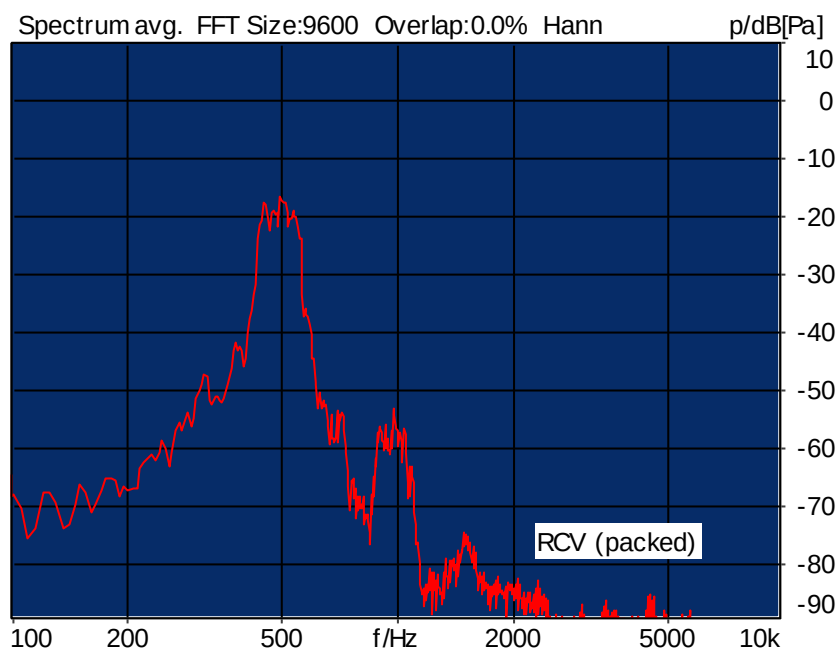
Limits

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): 29.54 dB (3.33%) Ok

Ok

2025-07-31 下午 11:47 ACQUA 6.1.110

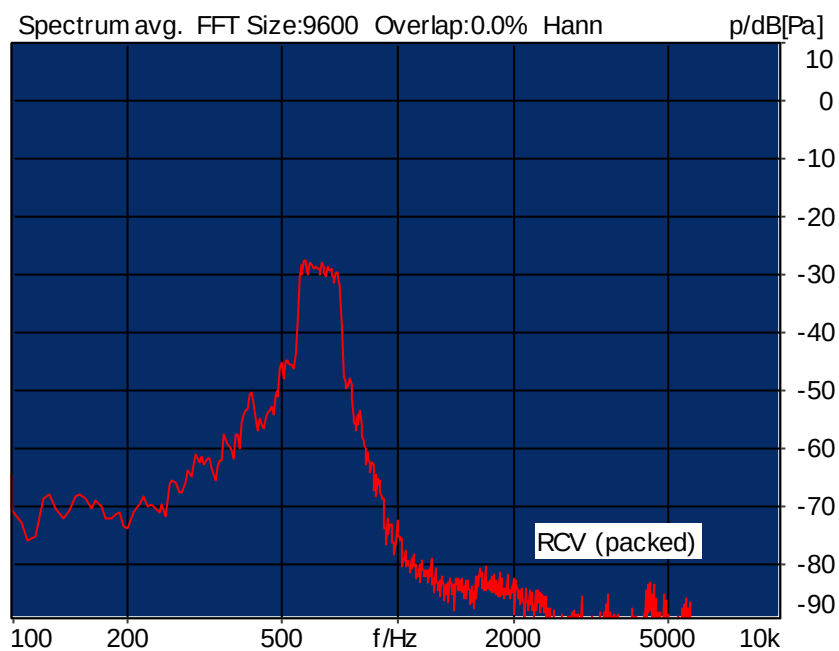
Limits

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): 23.44 dB (6.73%) Ok

Ok

2025-07-31 下午 11:54 ACQUA 6.1.110

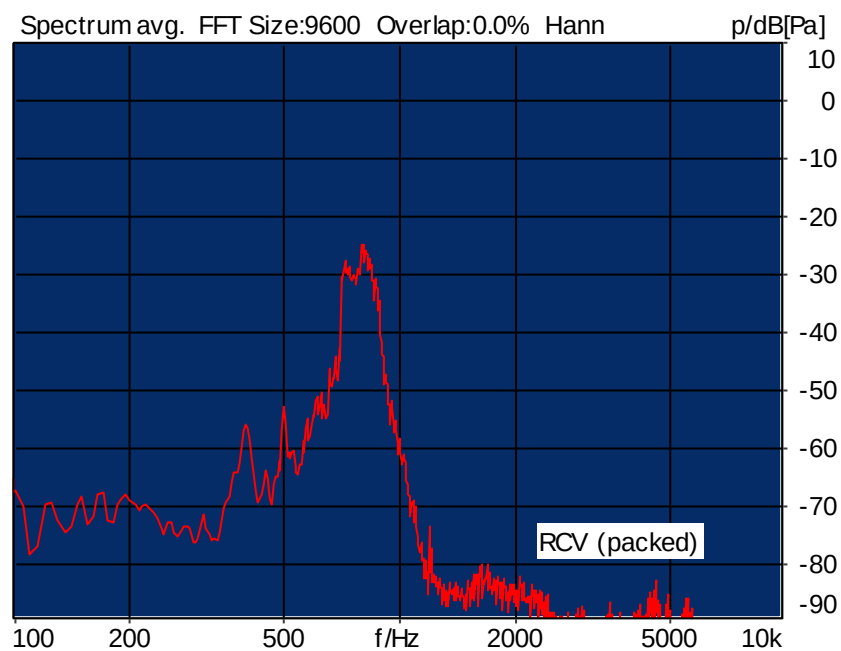
Limits

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): 24.98 dB (5.64%) Ok

Ok

2025-07-31 下午 11:54 ACQUA 6.1.110

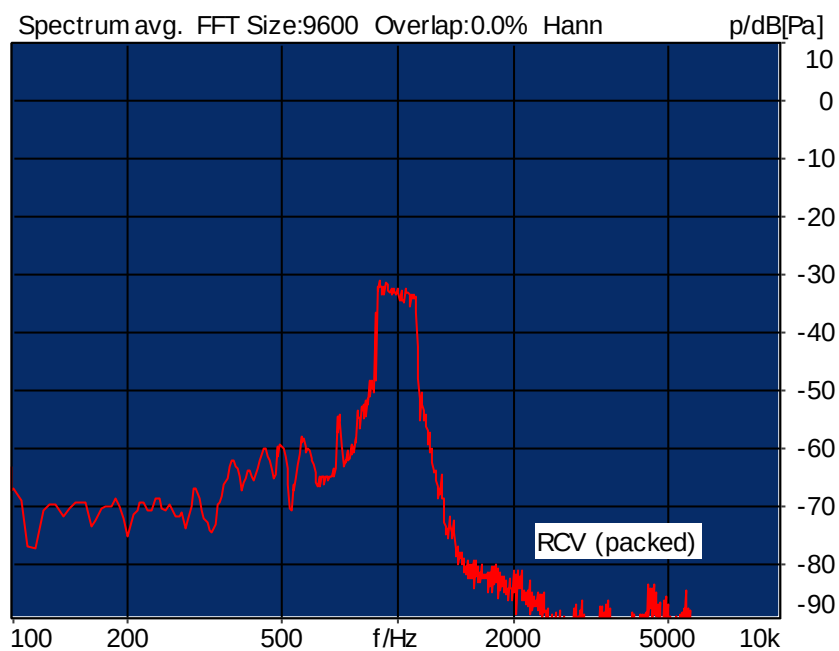
Limits

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): 22.37 dB (7.61%) Ok

Ok

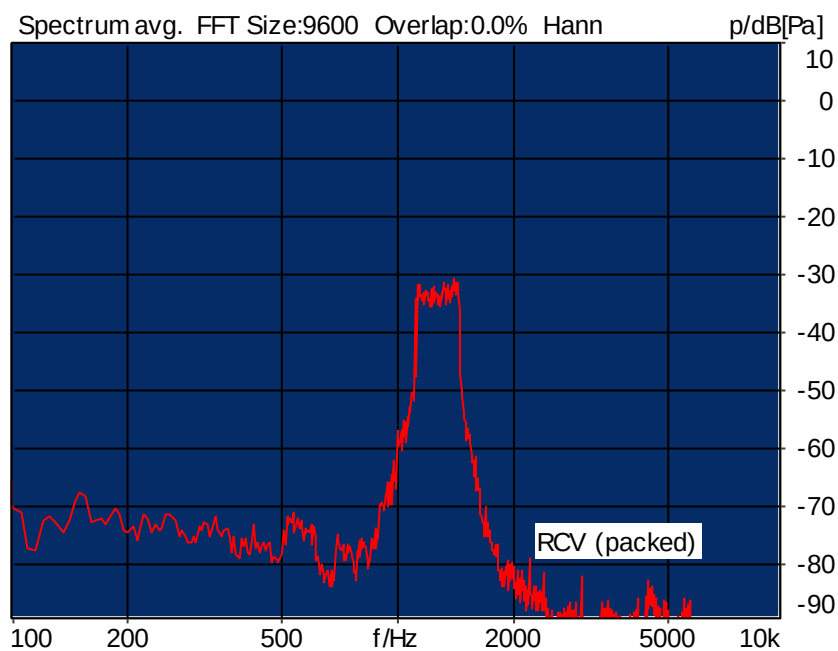
2025-07-31 下午 11:55 ACQUA 6.1.110

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): 22.98 dB (7.09%) Ok

Ok

2025-07-31 下午 11:56 ACQUA 6.1.110

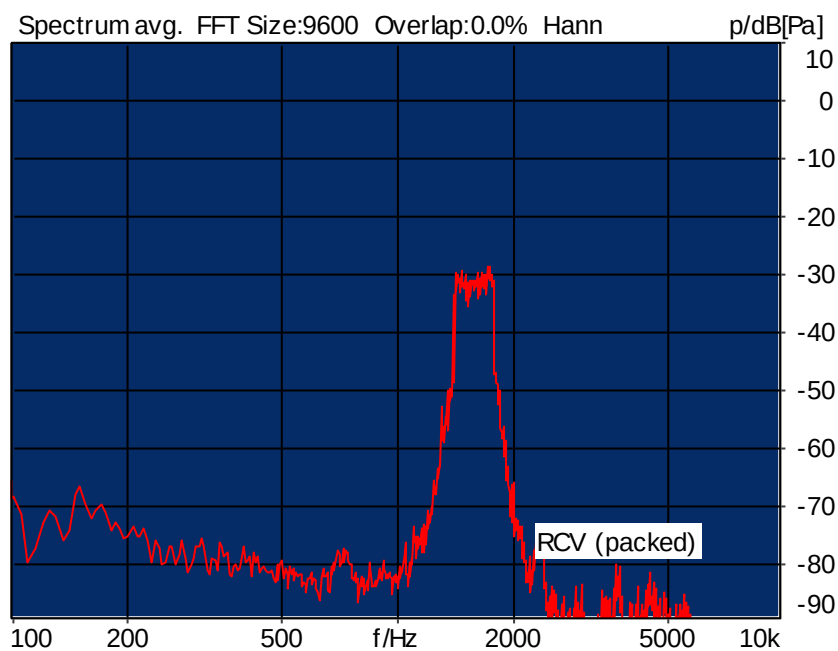
Limits

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): 25.73 dB (5.17%) Ok

Ok

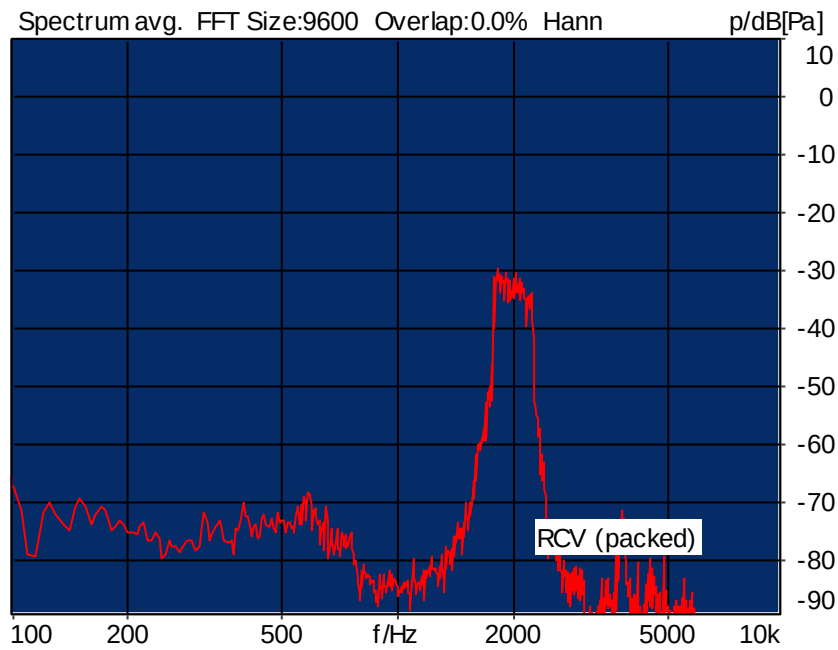
2025-07-31 下午 11:56 ACQUA 6.1.110

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): 24.99 dB (5.63%) Ok

Ok

2025-07-31 下午 11:57 ACQUA 6.1.110

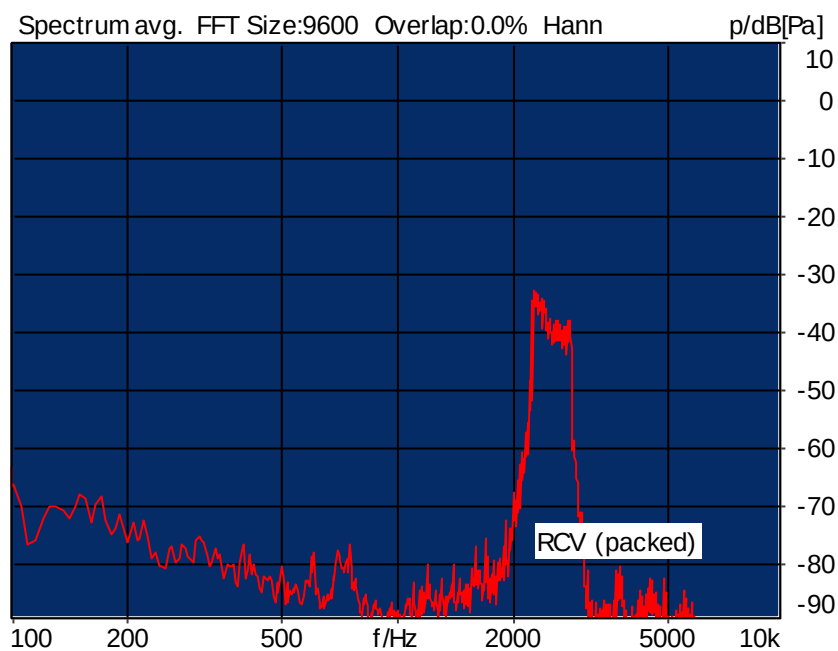
Limits

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): 24.89 dB (5.70%) Ok

Ok

2025-07-31 下午 11:57 ACQUA 6.1.110

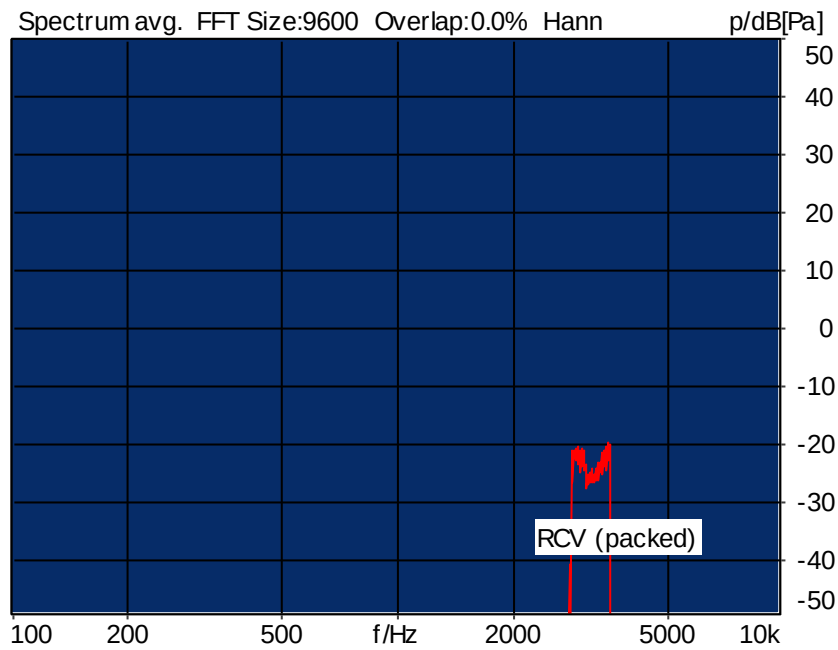
Limits

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): 43.85 dB (0.64%) Ok

Ok

2025-07-31 下午 11:58 ACQUA 6.1.110

Limits

lower
20.00 dB



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

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

Region	Frequency	SDNR
1	500Hz	29.54 dB
2	400Hz	26.66 dB
3	630Hz	23.44 dB
4	800Hz	24.98 dB
5	1000Hz	22.37 dB
6	1250Hz	22.98 dB
7	1600Hz	25.73 dB
8	2000Hz	24.99 dB
9	2500Hz	24.89 dB
10	3150Hz	43.85 dB

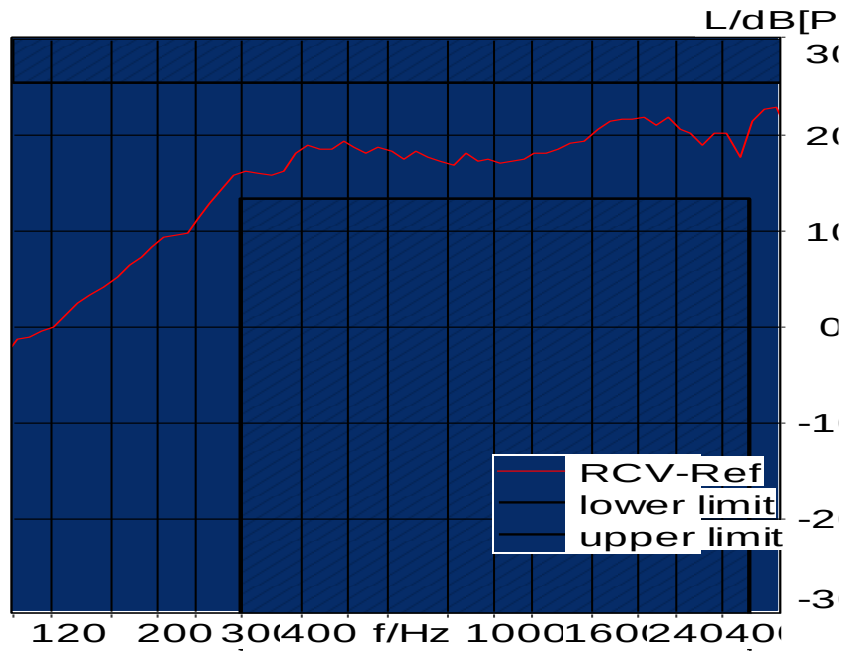
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.37dB at 1000Hz.

2025-07-31 下午 11:58 ACQUA

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance

2.42 dB at 3882.4 Hz Ok

Ok

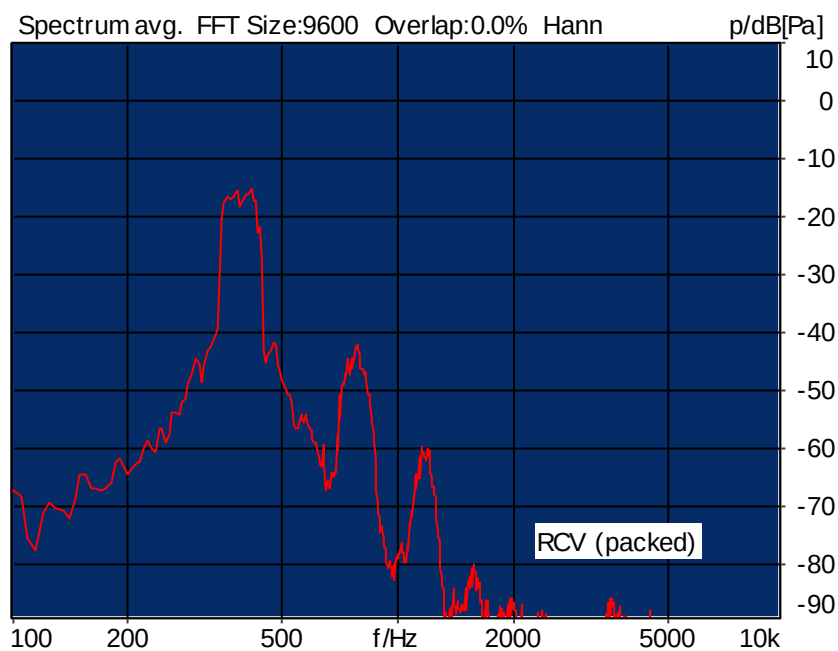
2025-07-31 下午 11:58 ACQUA 6.1.110

Limits

lower
Fit into tolerance

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): 27.00 dB (4.47%) Ok

Ok

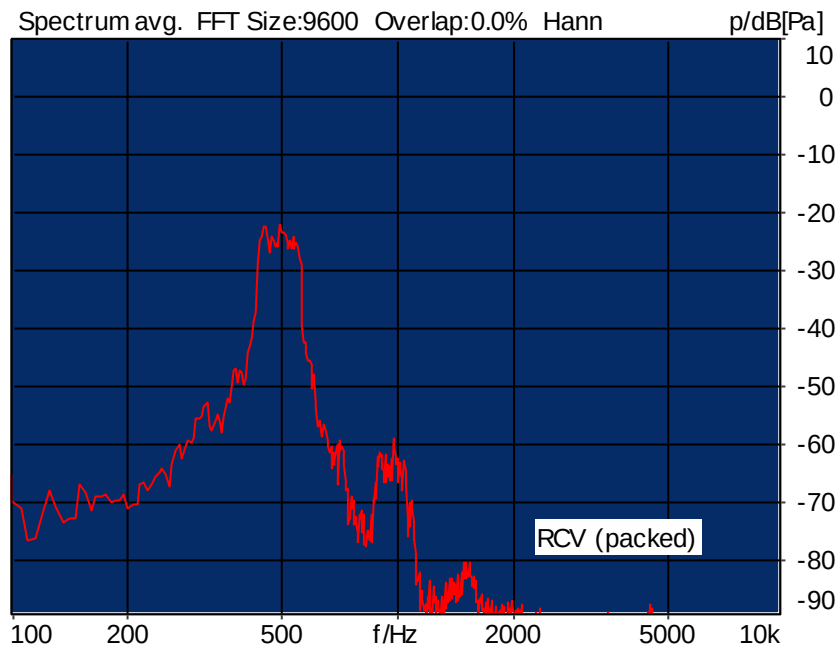
2025-07-31 下午 11:36 ACQUA 6.1.110

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): 29.30 dB (3.43%) Ok

Ok

2025-07-31 下午 11:37 ACQUA 6.1.110

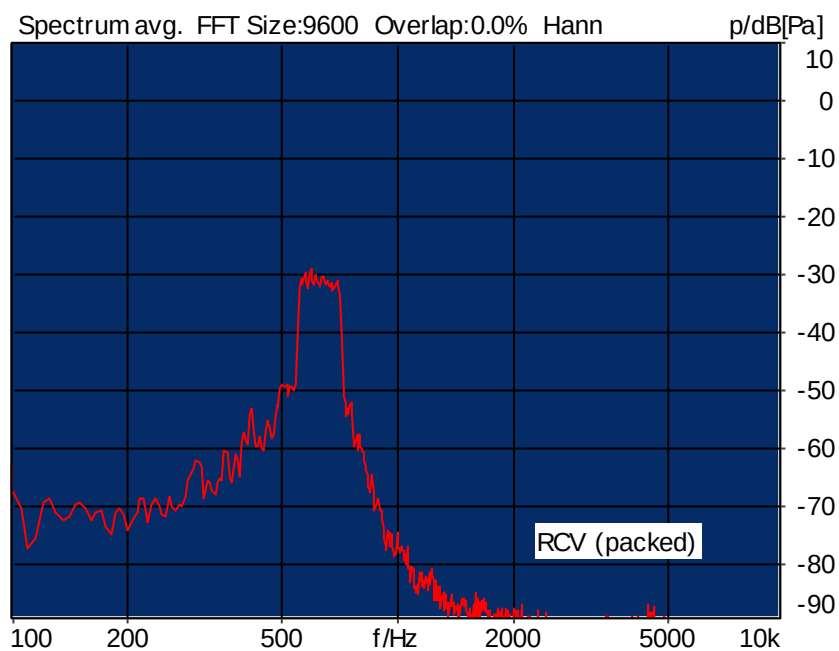
Limits

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): 25.10 dB (5.56%) Ok

Ok

2025-07-31 下午 11:37 ACQUA 6.1.110

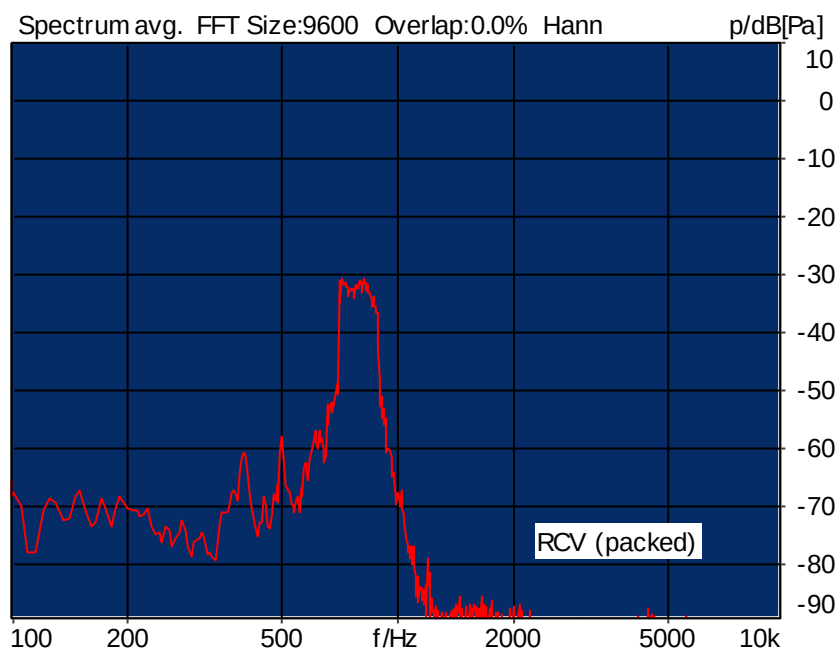
Limits

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): 27.60 dB (4.17%) Ok

Ok

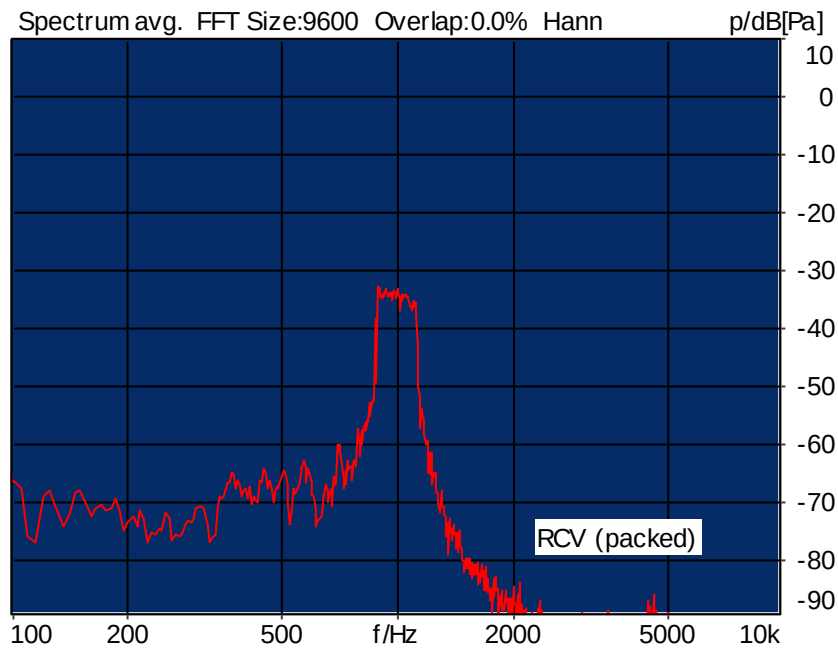
2025-07-31 下午 11:38 ACQUA 6.1.110

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): 24.81 dB (5.75%) Ok

Ok

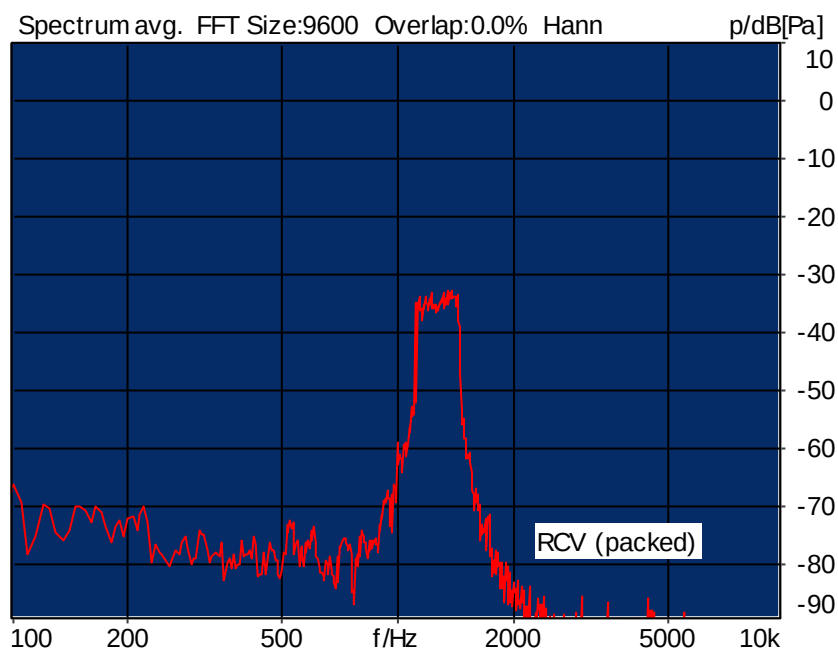
2025-07-31 下午 11:38 ACQUA 6.1.110

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): 24.04 dB (6.28%) Ok

Ok

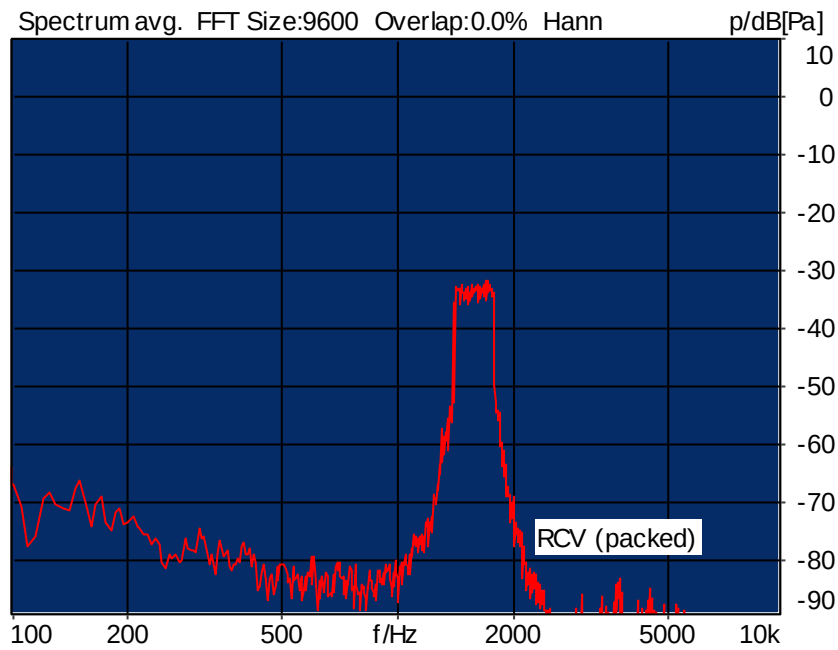
2025-07-31 下午 11:39 ACQUA 6.1.110

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): 27.24 dB (4.34%) Ok

Ok

2025-07-31 下午 11:39 ACQUA 6.1.110

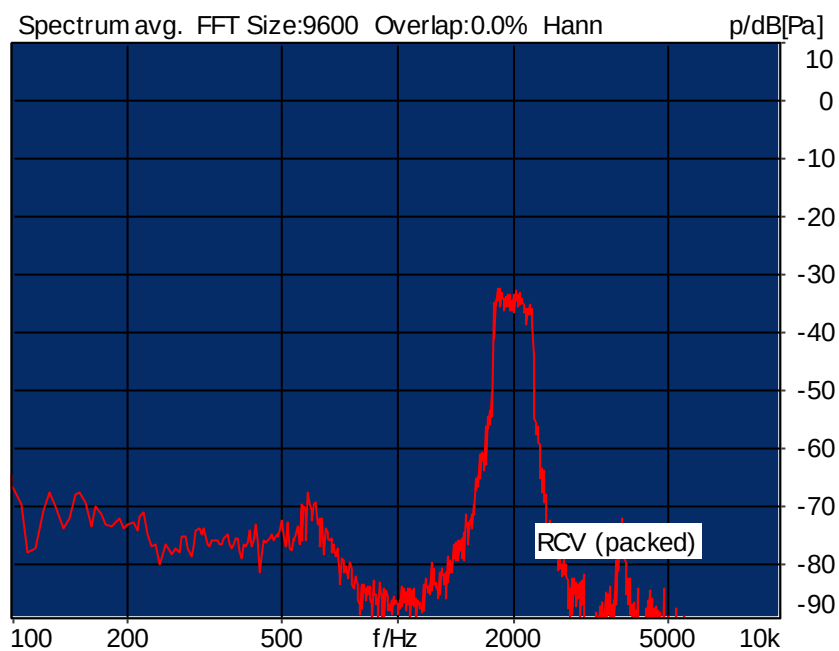
Limits

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): 25.64 dB (5.22%) Ok

Ok

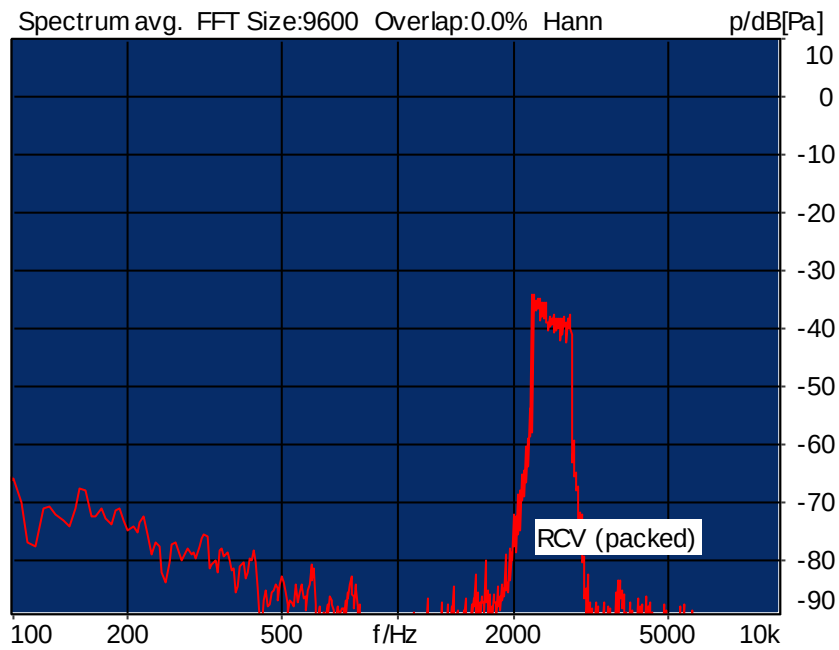
2025-07-31 下午 11:40 ACQUA 6.1.110

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): 28.38 dB (3.81%) Ok

Ok

2025-07-31 下午 11:41 ACQUA 6.1.110

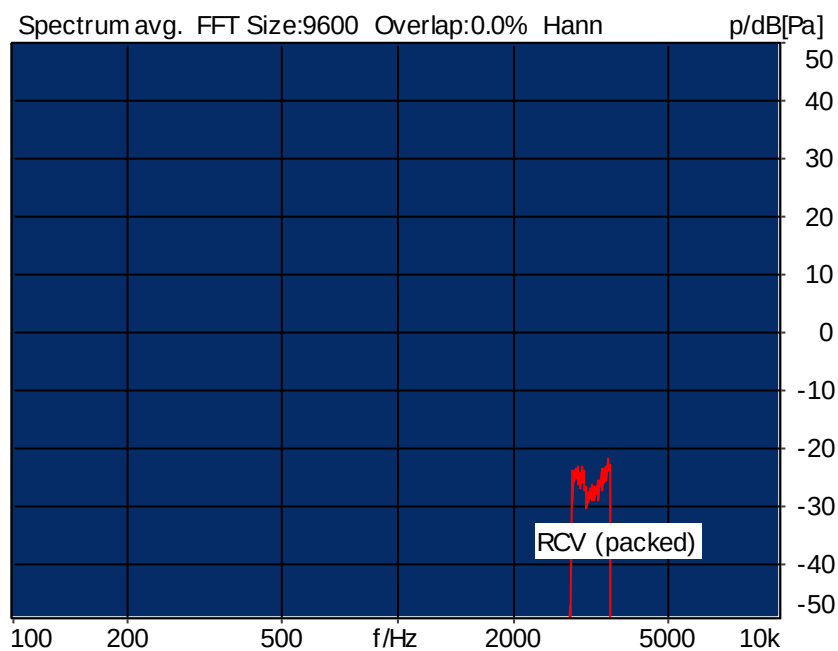
Limits

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): 47.34 dB (0.43%) Ok

Ok

2025-07-31 下午 11:41 ACQUA 6.1.110

Limits

lower
20.00 dB



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

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

Region	Frequency	SDNR
1	400Hz	27.00 dB
2	500Hz	29.30 dB
3	630Hz	25.10 dB
4	800Hz	27.60 dB
5	1000Hz	24.81 dB
6	1250Hz	24.04 dB
7	1600Hz	27.24 dB
8	2000Hz	25.64 dB
9	2500Hz	28.38 dB
10	3150Hz	47.34 dB

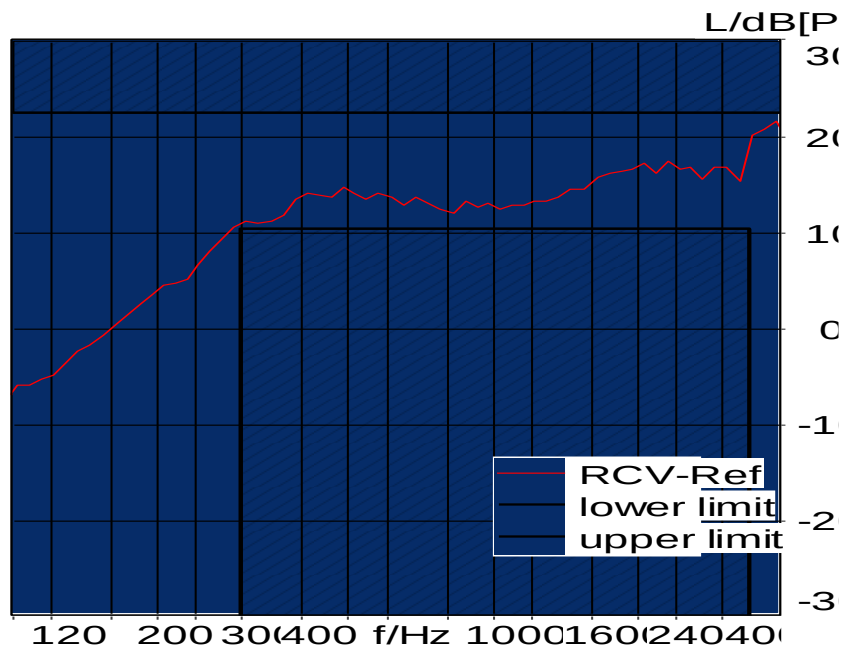
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 24.04dB at 1250Hz.

2025-07-31 下午 11:41 ACQUA

5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance

0.73 dB at 324.6 Hz Ok

Ok

2025-07-31 下午 11:42 ACQUA 6.1.110

Limits

lower
Fit into tolerance



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



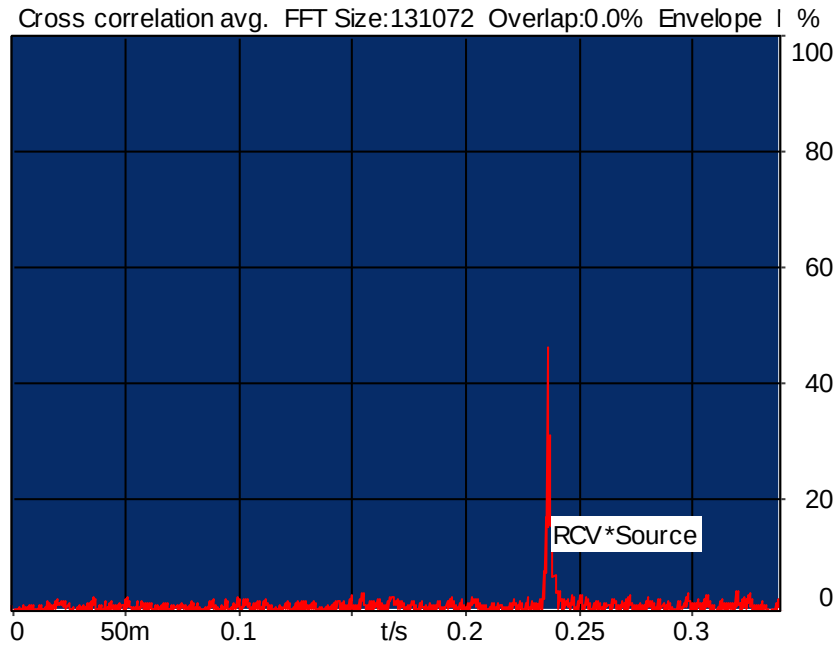
#4 GSM1900 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	237.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.52
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	82.42



Overall Receive Delay WB

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

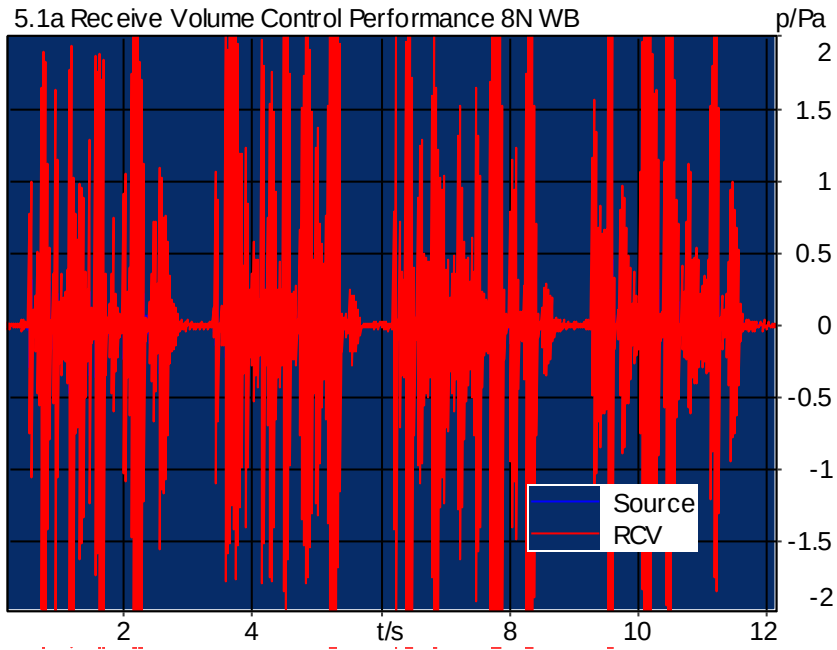


Channel	Delay	Correlation
RCV*Source	237.3 ms	46.29 %

2025-09-08 下午 02:21 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	88.52 dB[SPL]	47.90%	Ok

Ok

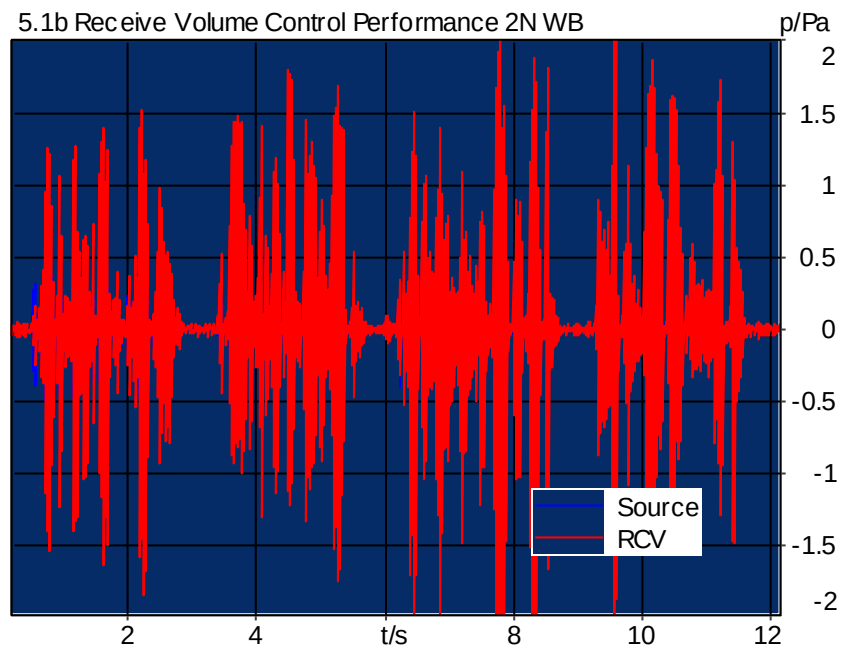
2025-08-05 上午 07:16 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	82.42 dB[SPL]	79.01%	Ok

Ok

2025-09-08 下午 02:21 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



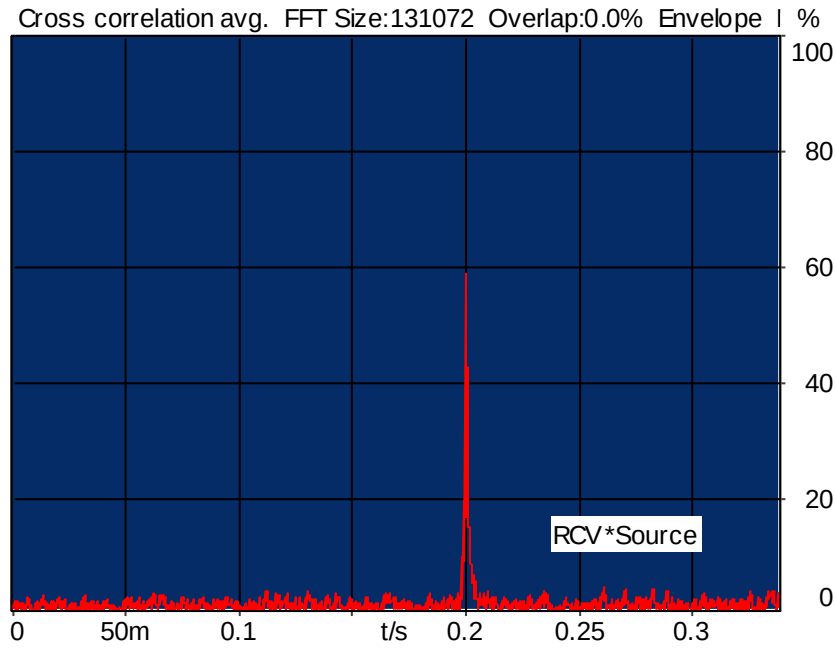
#5 WCDMA II AMR NB 12.2kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	200.5
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.22
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	82.29



Overall Receive Delay NB

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

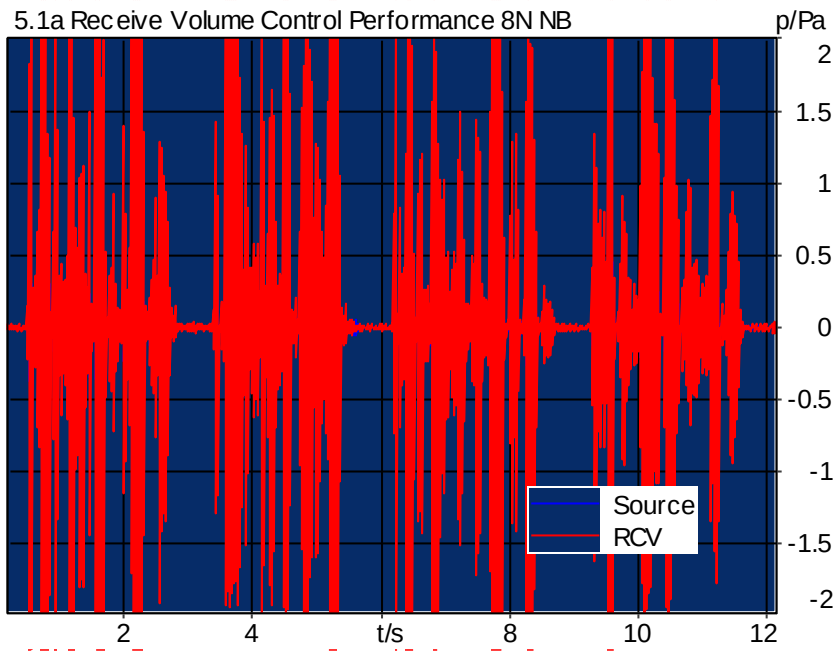


Channel	Delay	Correlation
RCV*Source	200.5 ms	58.85 %

2025-09-08 下午 01:40 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	88.22 dB[SPL]	57.77%	Ok

Ok

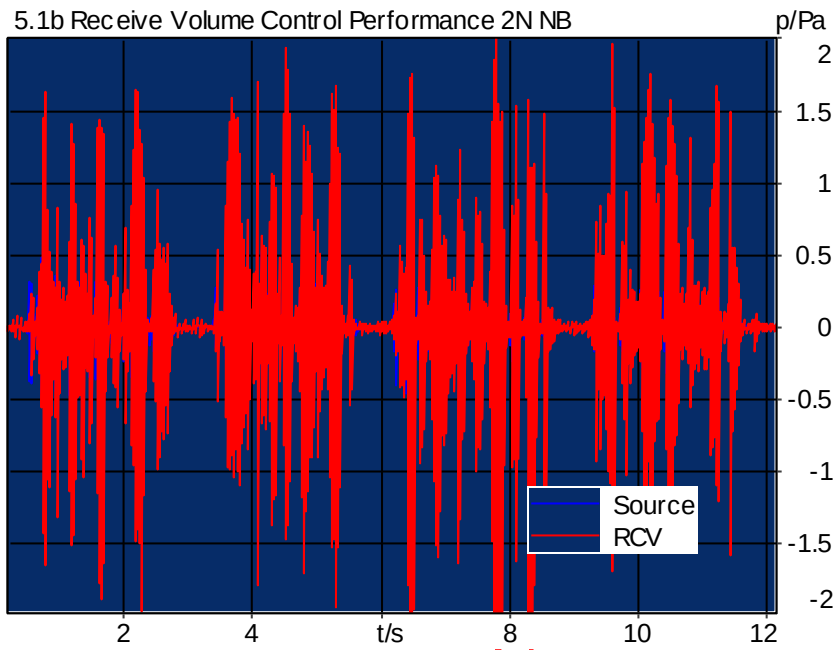
2025-08-05 上午 07:43 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	82.29 dB[SPL]	78.68%	Ok

Ok

2025-09-08 下午 01:41 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



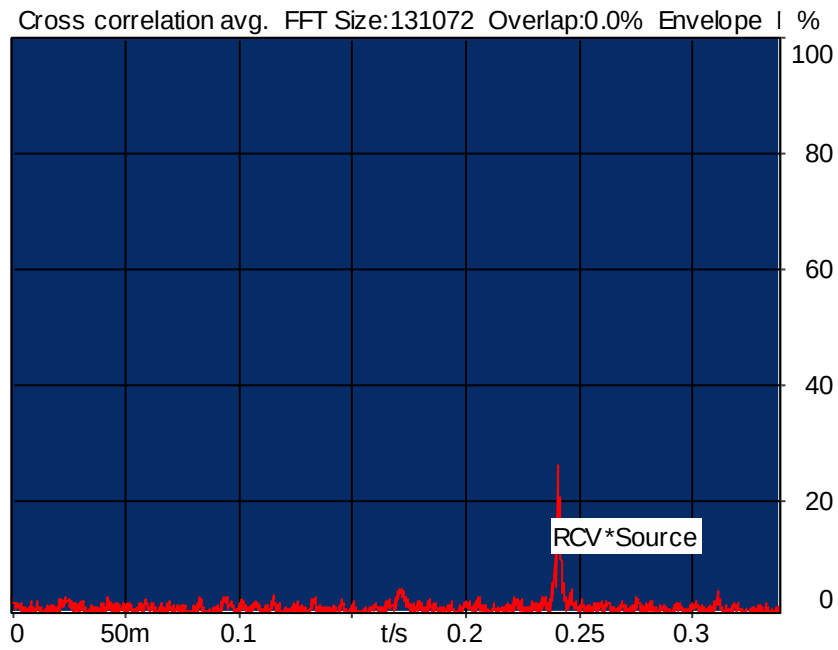
#6 LTE Band 7 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	241.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.35
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	82.03



Overall Receive Delay WB

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

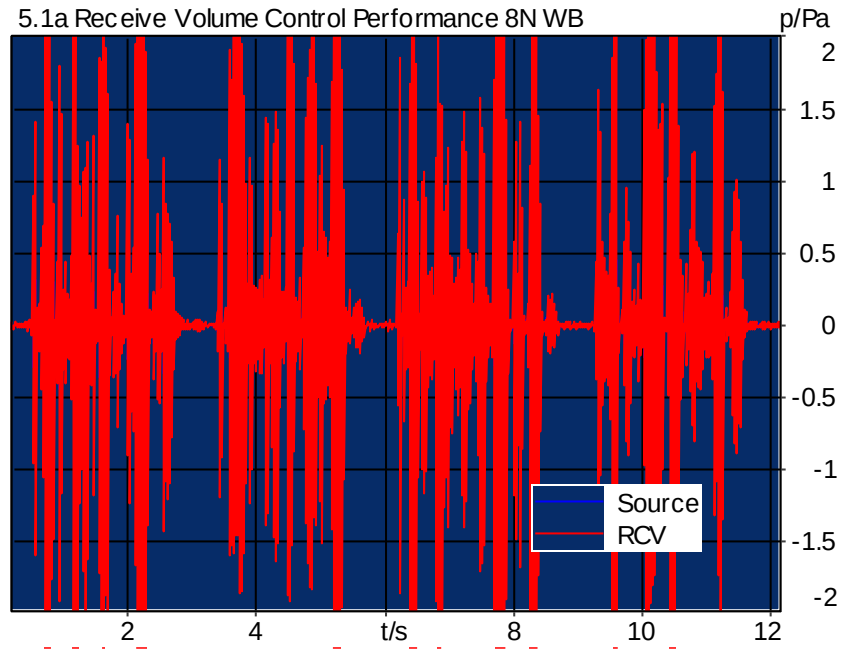


Channel	Delay	Correlation
RCV*Source	241.0 ms	26.24 %

2025-08-04 下午 10:03 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	88.35 dB[SPL]	53.42%	Ok

Ok

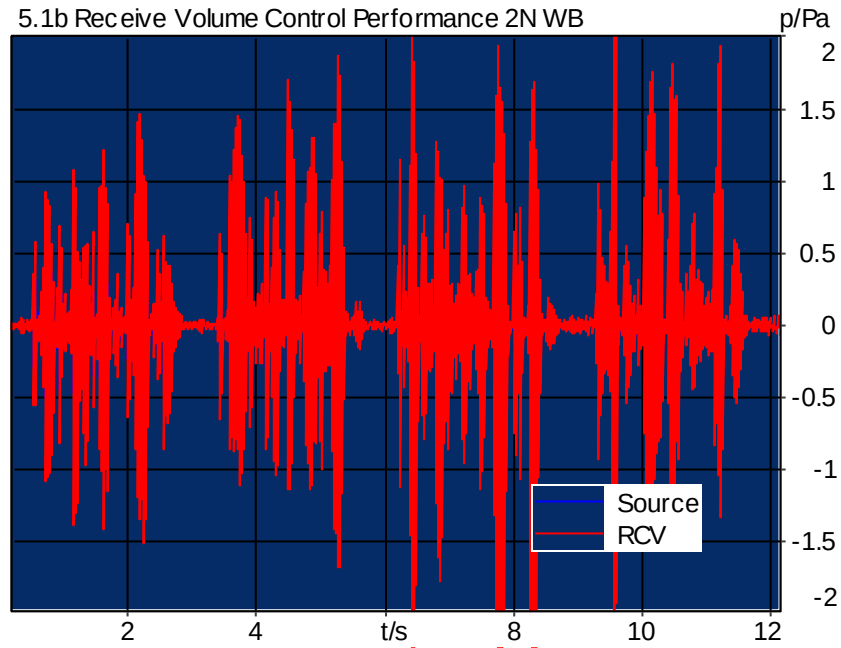
2025-08-04 下午 10:06 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	82.03 dB[SPL]	80.18%	Ok

Ok

2025-09-05 上午 10:53 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



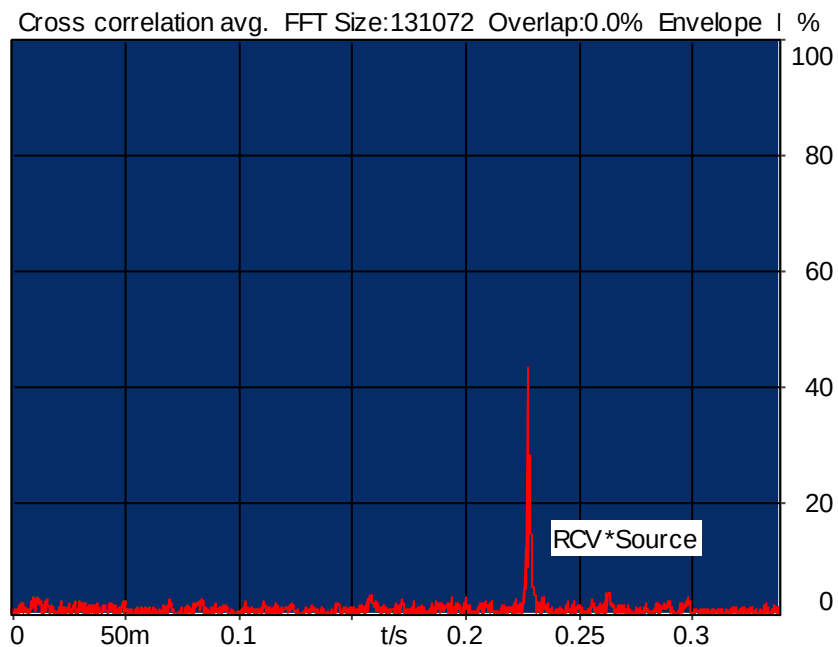
#7 FR1 n7 AMR WB 23.85kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	228.2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.10
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	82.25



Overall Receive Delay WB

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

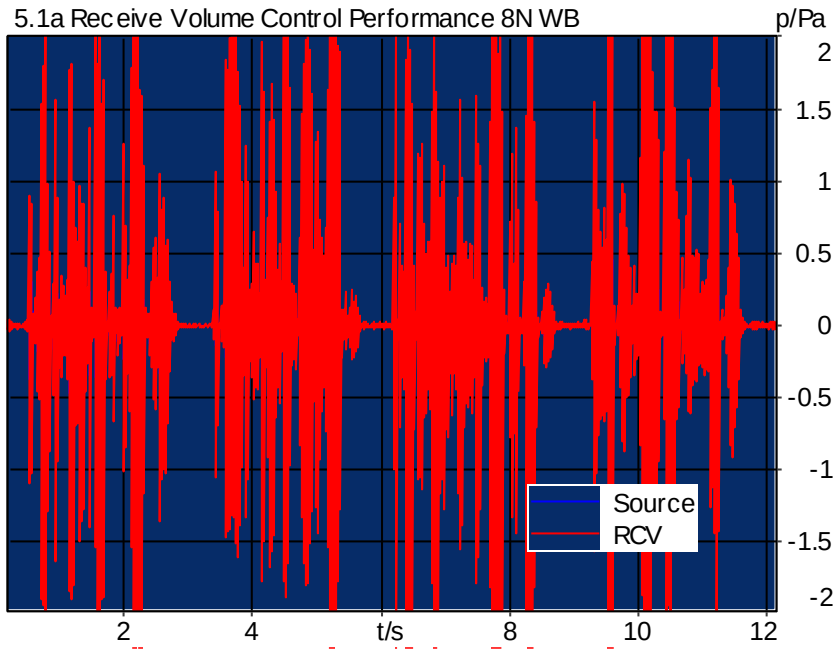


Channel	Delay	Correlation
RCV*Source	228.2 ms	43.51 %

2025-08-01 上午 02:48 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	88.10 dB[SPL]	50.38%	Ok

Ok

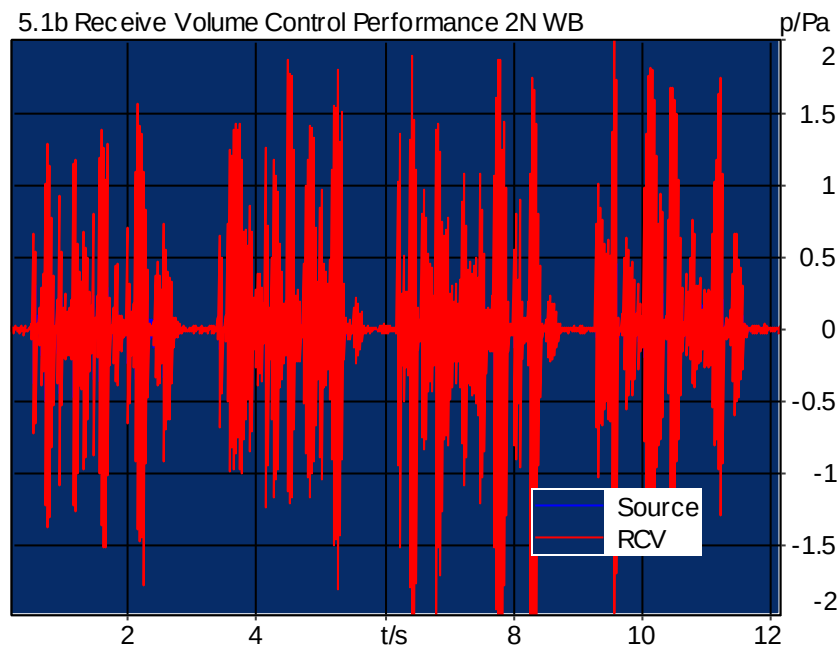
2025-08-01 上午 02:48 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	82.25 dB[SPL]	81.42%	Ok

Ok

2025-09-06 下午 11:37 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



#8 WiFi 5GHz AMR WB 23.85kbps

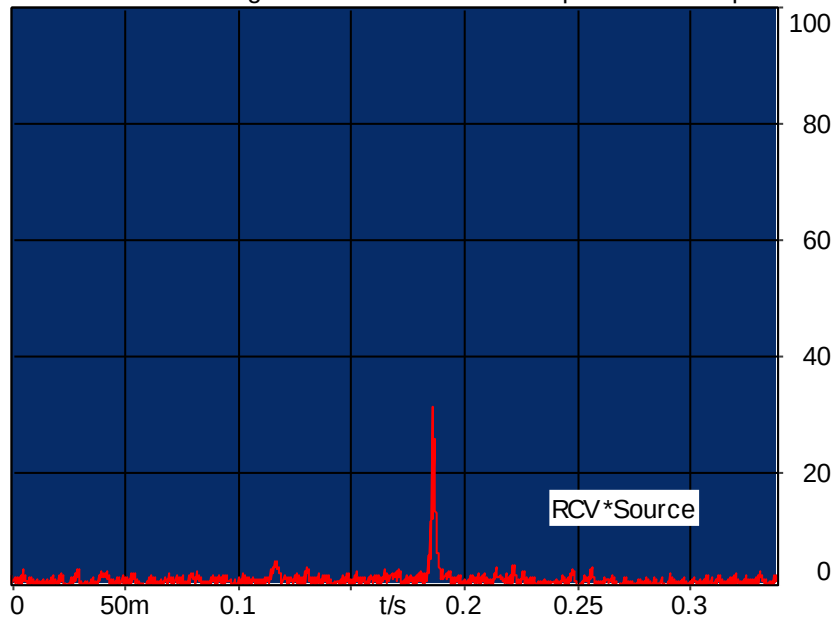
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	187.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.93
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	82.05



Overall Receive Delay WB

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

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

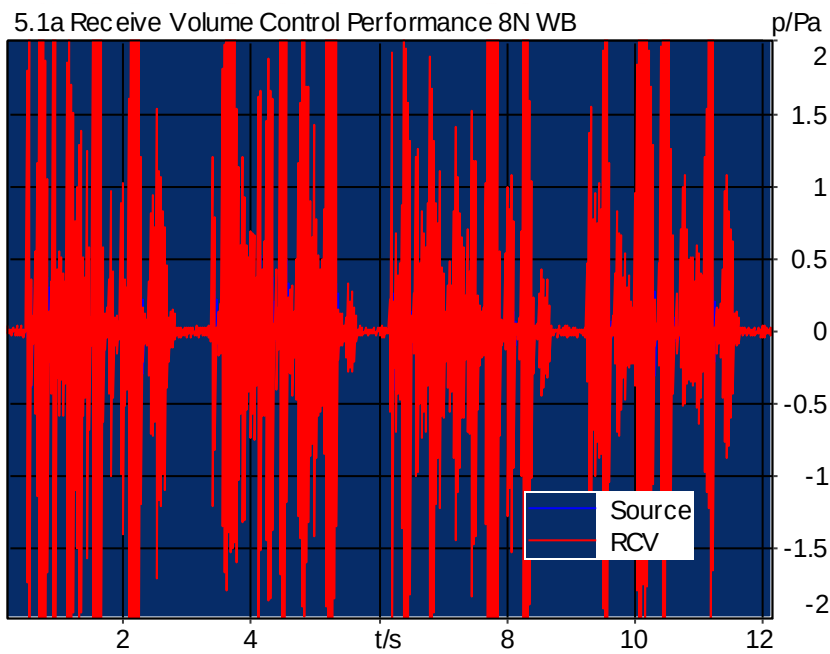


Channel	Delay	Correlation
RCV*Source	187.0 ms	31.19 %

2025-07-31 上午 10:19 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	88.93 dB[SPL]	54.01%	Ok

Ok

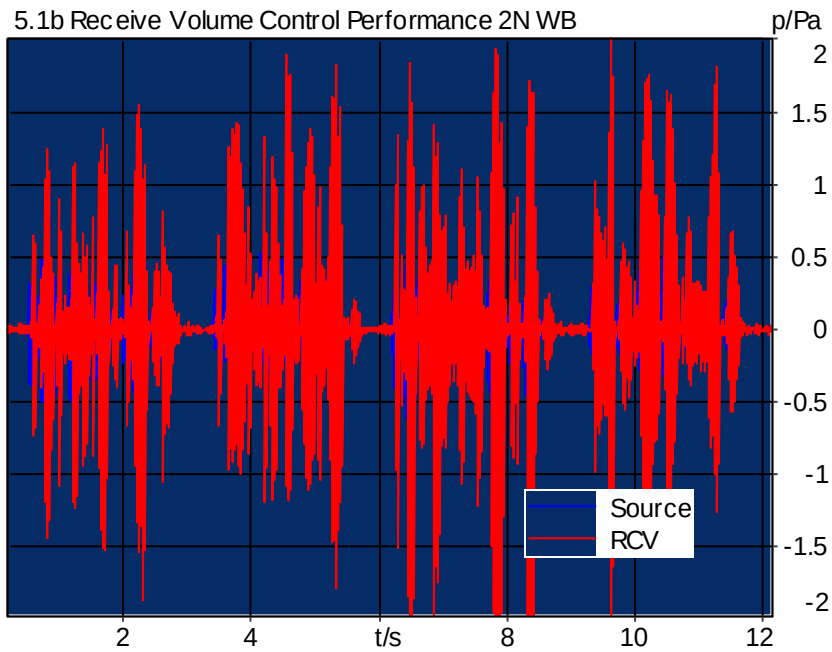
2025-07-31 上午 10:37 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	82.05 dB[SPL]	81.92%	Ok

Ok

2025-09-08 下午 07:06 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]