



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>

**#1 LTE B48 EVS NB 24.4kbps**

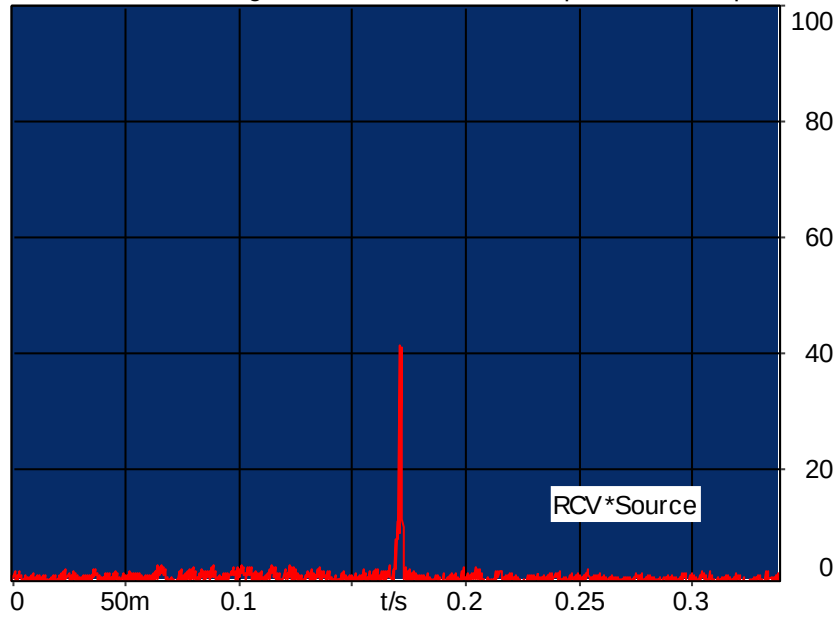
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	171.5
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	91.51
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	86.52
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.38
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.90
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.49
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.19
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.05
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.51
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.51
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.98
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.15
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	45.15
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 1000Hz)	21.05
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.67
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.36
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.57
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.96
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.77
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.38
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.29
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.08
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.05
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	45.40
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 1000Hz)	21.77
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 1747.8 Hz	1.60
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3657.5 Hz	1.42



Overall Receive Delay NB

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

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

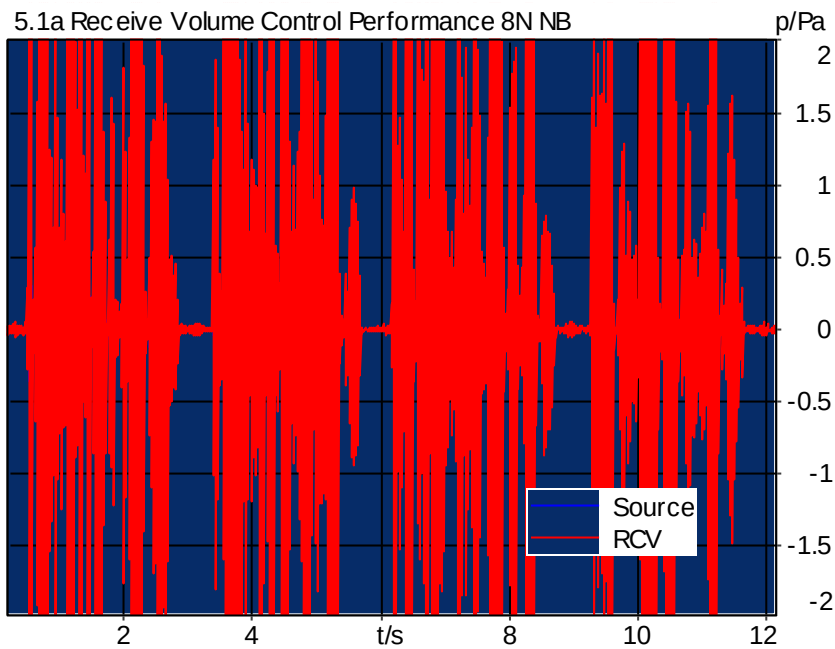


Channel	Delay	Correlation
RCV*Source	171.5 ms	41.39 %

2025-12-05 上午 06:09 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	91.51 dB[SPL]	84.70%	Ok

Ok

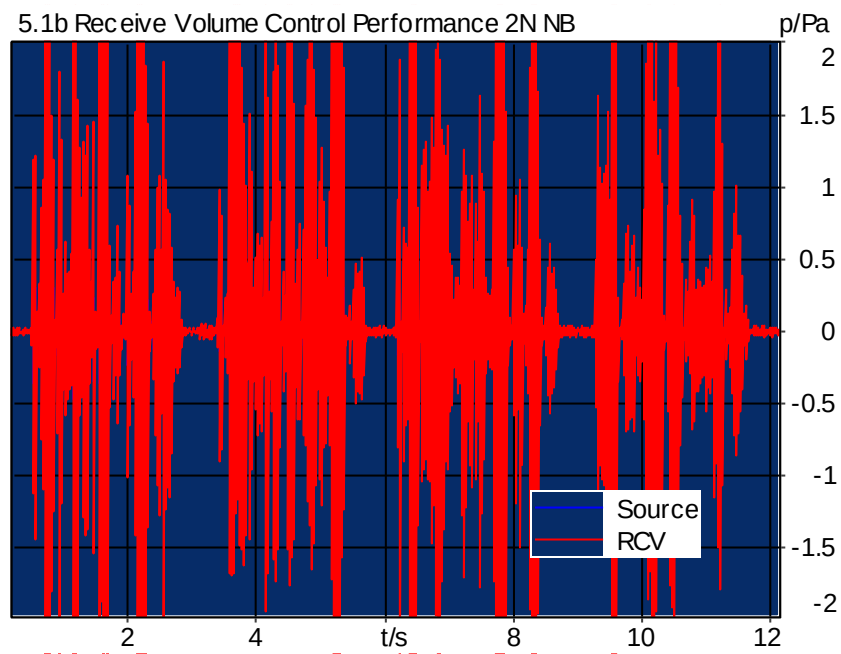
2025-12-05 上午 06:18 ACQUA 6.1.110

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	86.52 dB[SPL]	84.46%	Ok

Ok

2025-12-05 上午 06:10 ACQUA 6.1.110

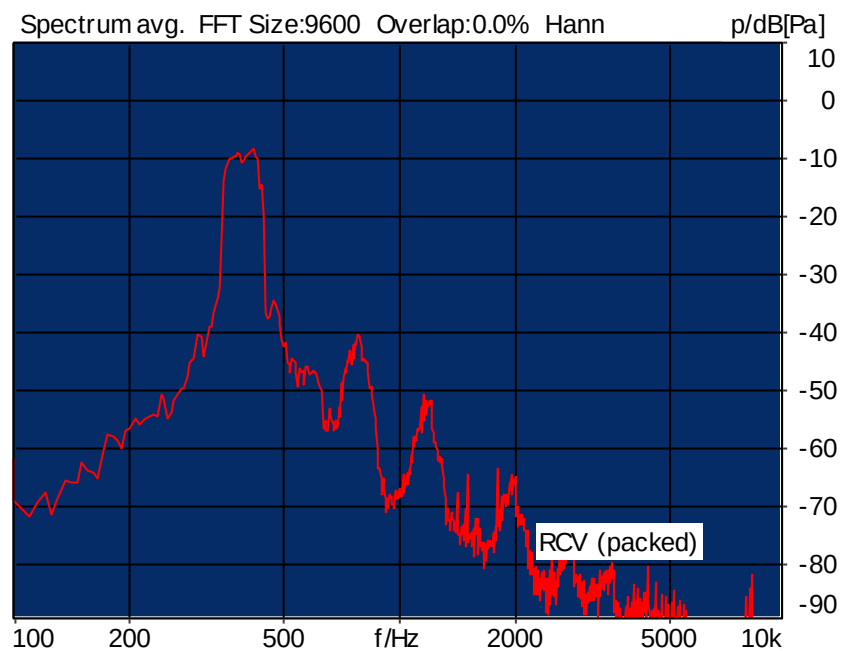
Limits

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): 30.38 dB (3.03%) Ok

Ok

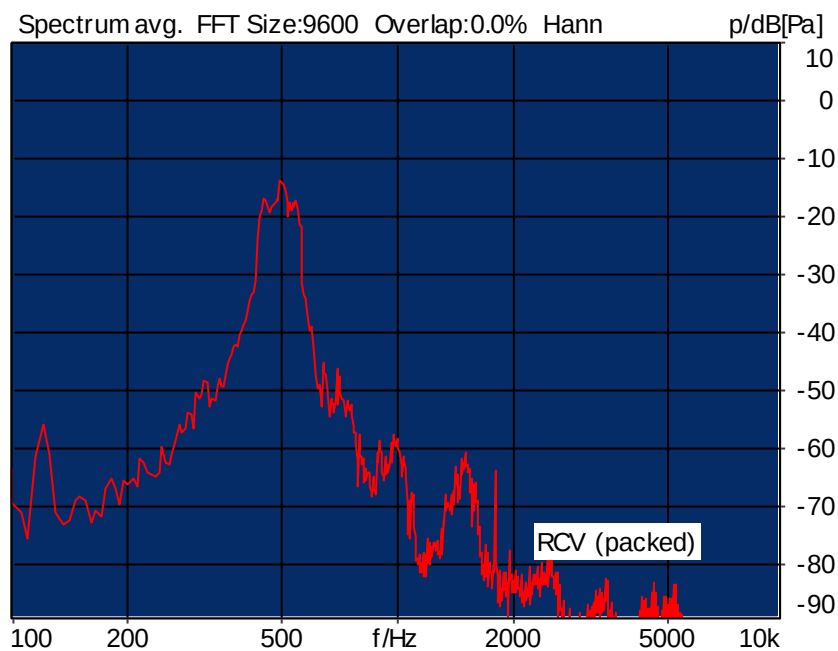
2025-12-05 上午 06:18 ACQUA 6.1.110

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): 28.90 dB (3.59%) Ok

Ok

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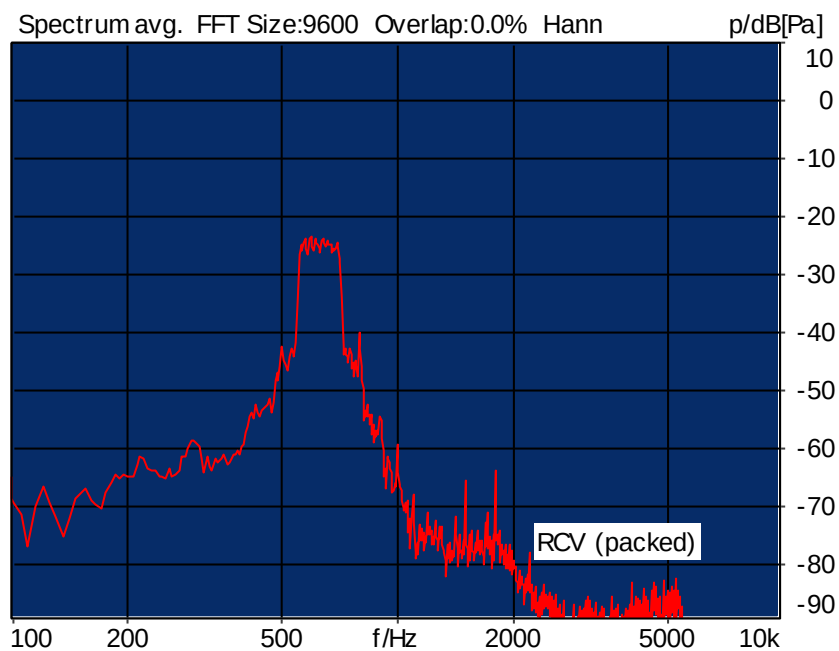
Limits

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): 22.49 dB (7.51%) Ok

Ok

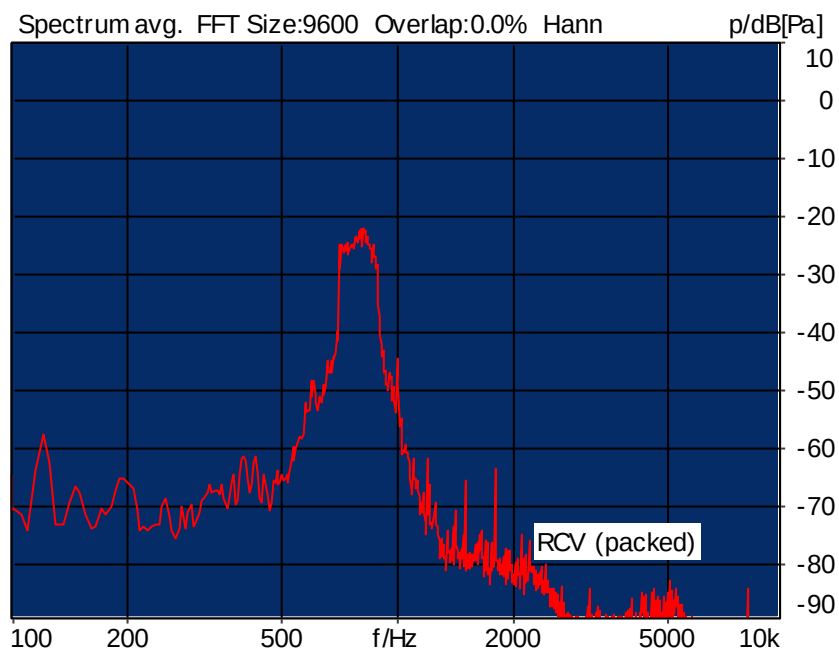
2025-12-05 上午 06:20 ACQUA 6.1.110

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): 25.19 dB (5.50%) Ok

Ok

2025-12-05 上午 06:20 ACQUA 6.1.110

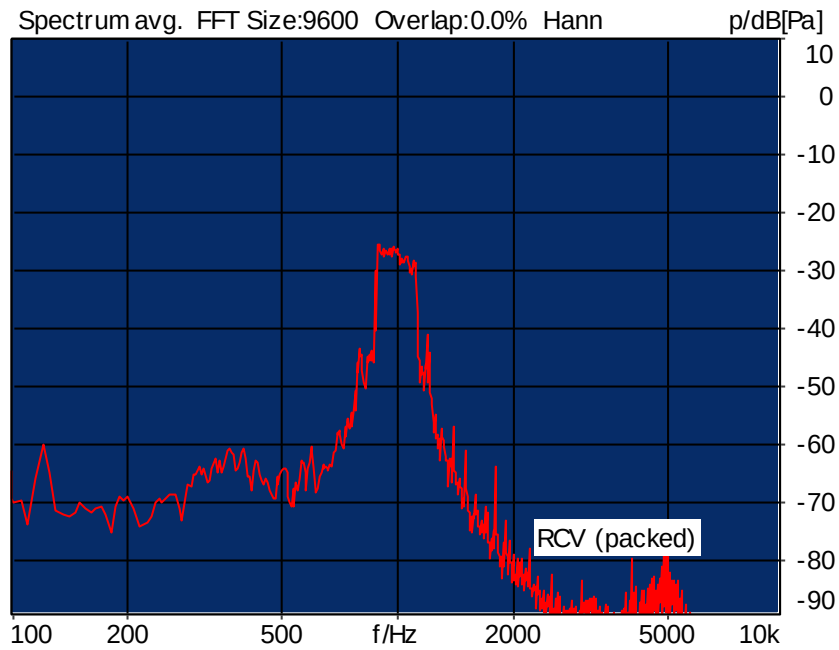
Limits

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): 21.05 dB (8.87%) Ok

Ok

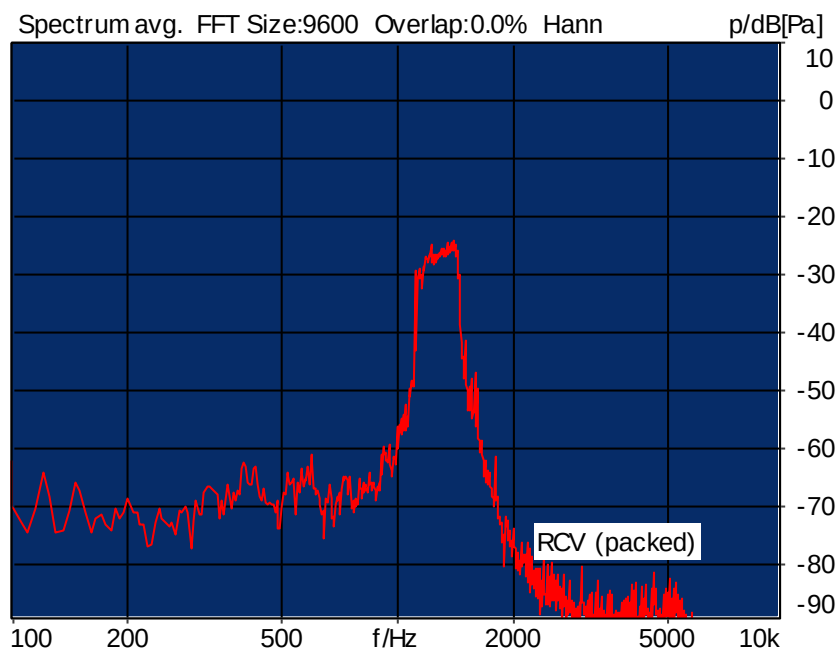
2025-12-05 上午 06:21 ACQUA 6.1.110

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): 21.51 dB (8.40%) Ok

Ok

2025-12-05 上午 06:21 ACQUA 6.1.110

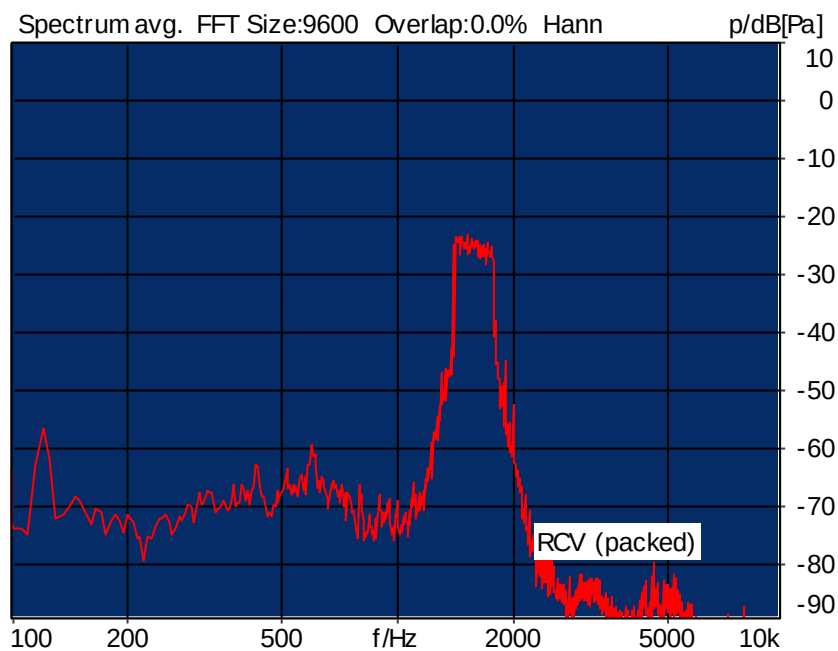
Limits

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): 25.51 dB (5.31%) Ok

Ok

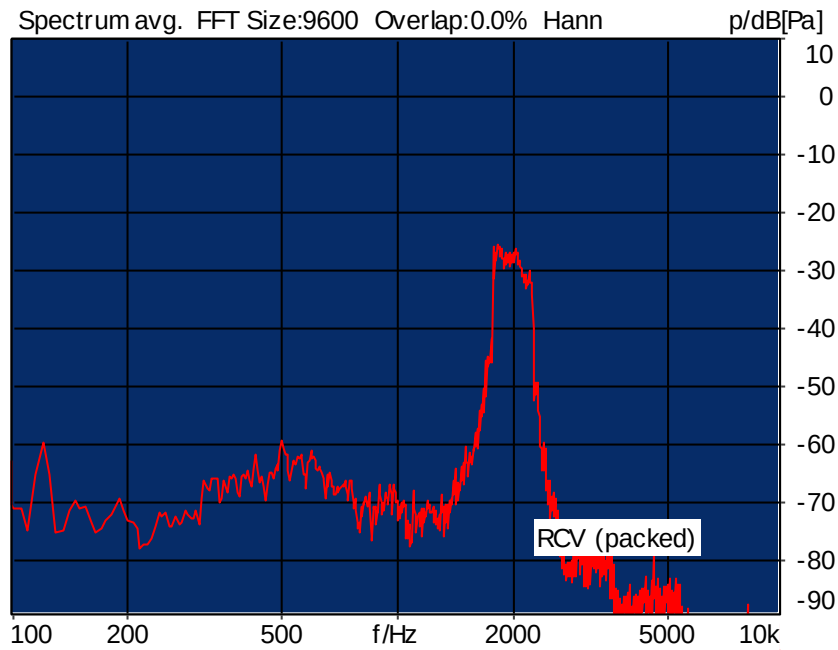
2025-12-05 上午 06:22 ACQUA 6.1.110

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): 23.98 dB (6.32%) Ok

Ok

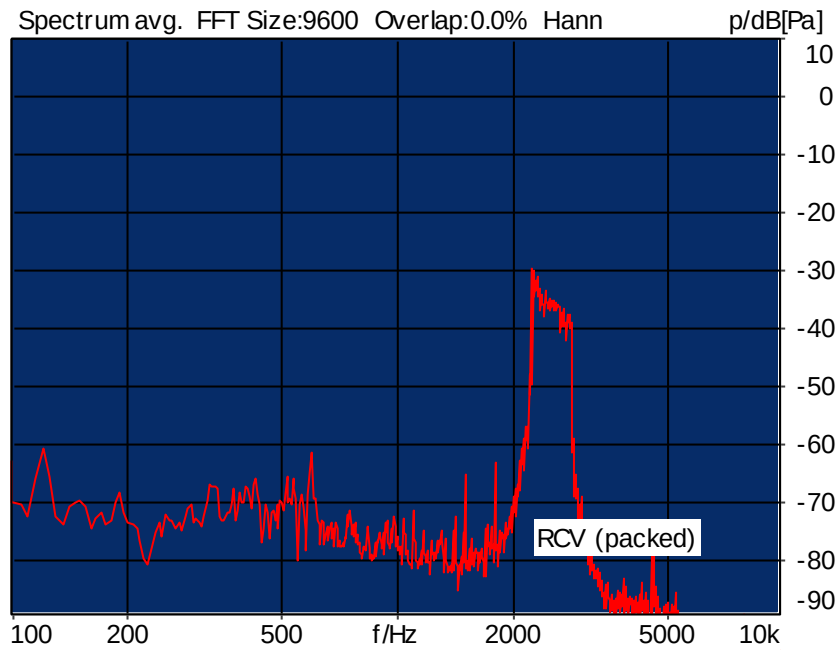
2025-12-05 上午 06:22 ACQUA 6.1.110

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): 26.15 dB (4.93%) Ok

Ok

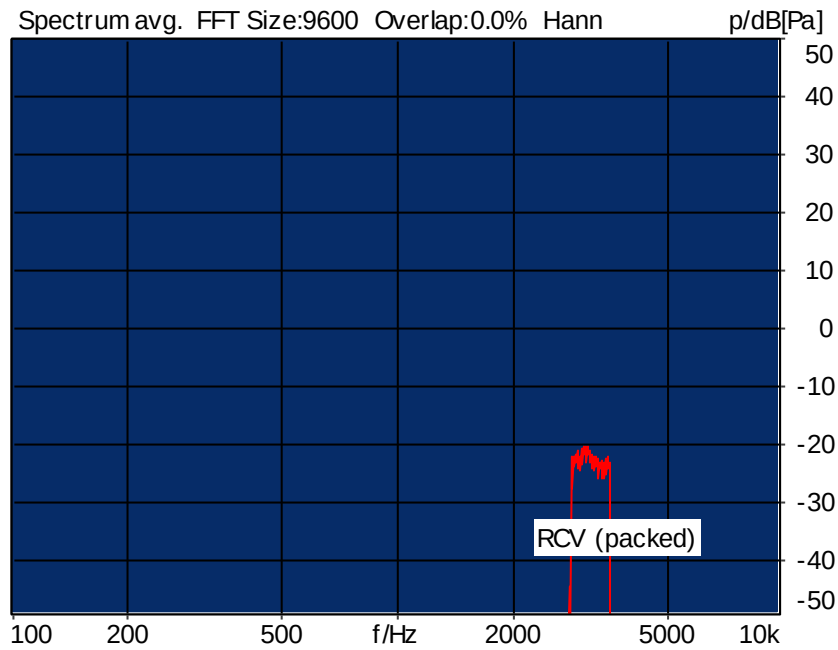
2025-12-05 上午 06:23 ACQUA 6.1.110

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): 45.15 dB (0.55%) Ok

Ok

2025-12-05 上午 06:24 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	30.38 dB
2	500Hz	28.90 dB
3	630Hz	22.49 dB
4	800Hz	25.19 dB
5	1000Hz	21.05 dB
6	1250Hz	21.51 dB
7	1600Hz	25.51 dB
8	2000Hz	23.98 dB
9	2500Hz	26.15 dB
10	3150Hz	45.15 dB

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

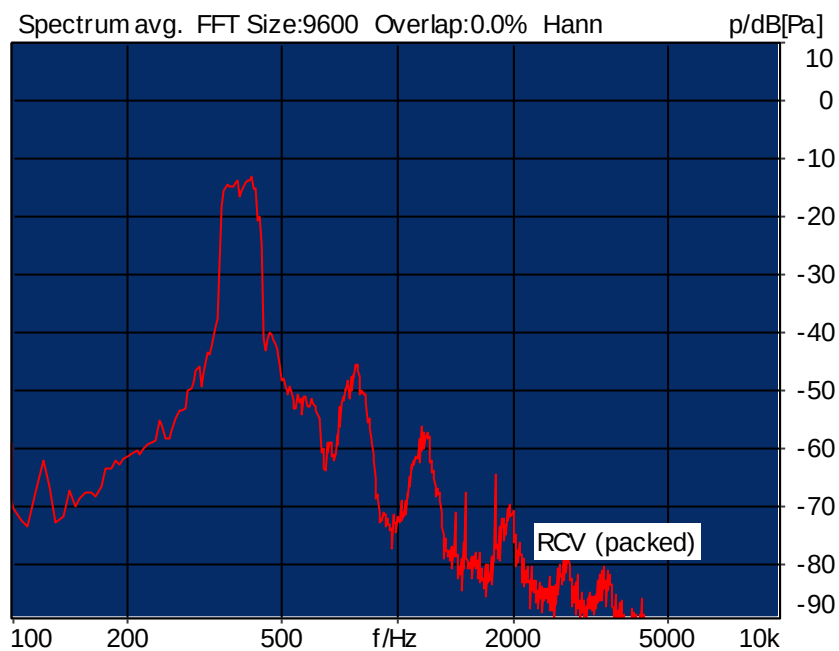
Smallest SDNR was 21.05dB at 1000Hz.

2025-12-05 上午 06:24 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): 30.67 dB (2.93%) Ok

Ok

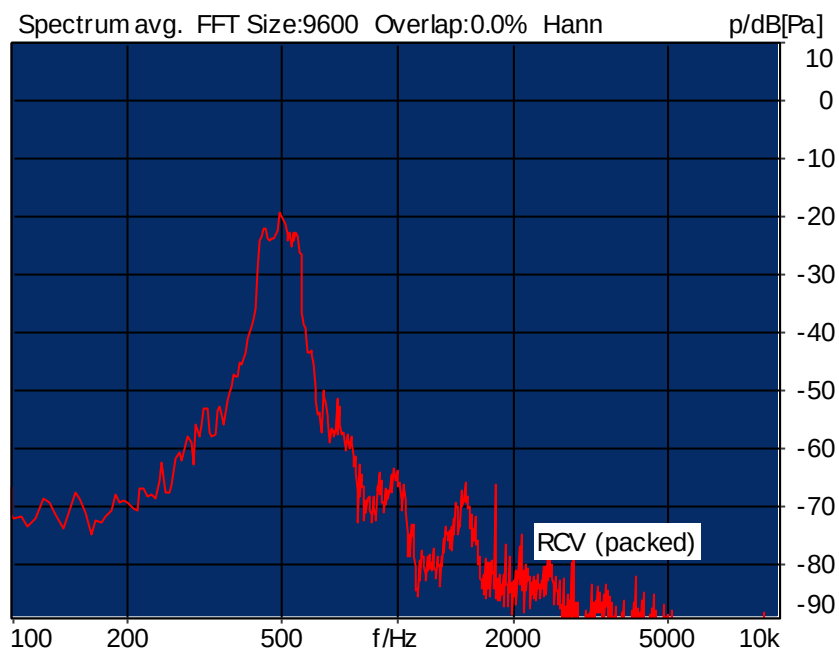
2025-12-05 上午 06:10 ACQUA 6.1.110

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): 28.36 dB (3.82%) Ok

Ok

2025-12-05 上午 06:11 ACQUA 6.1.110

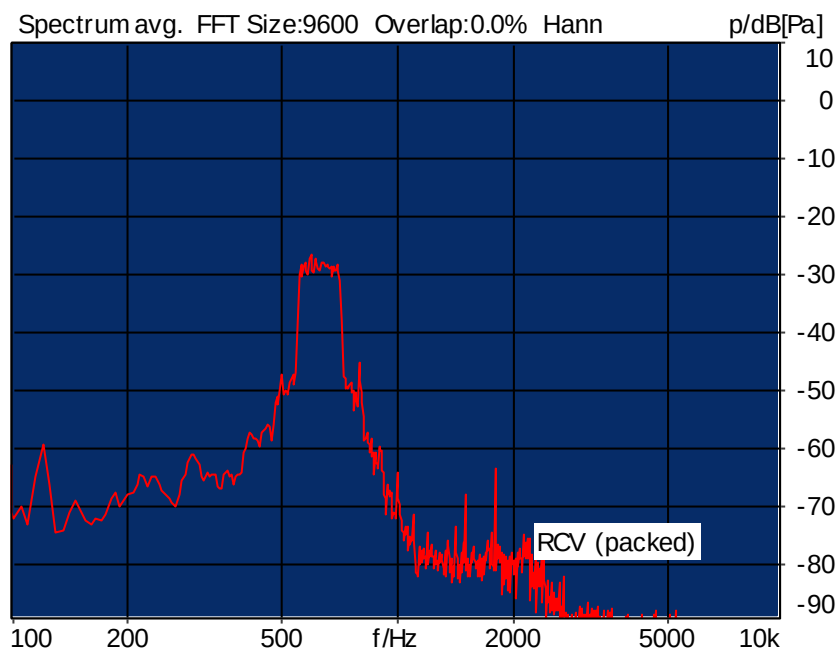
Limits

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): 23.57 dB (6.63%) Ok

Ok

2025-12-05 上午 06:12 ACQUA 6.1.110

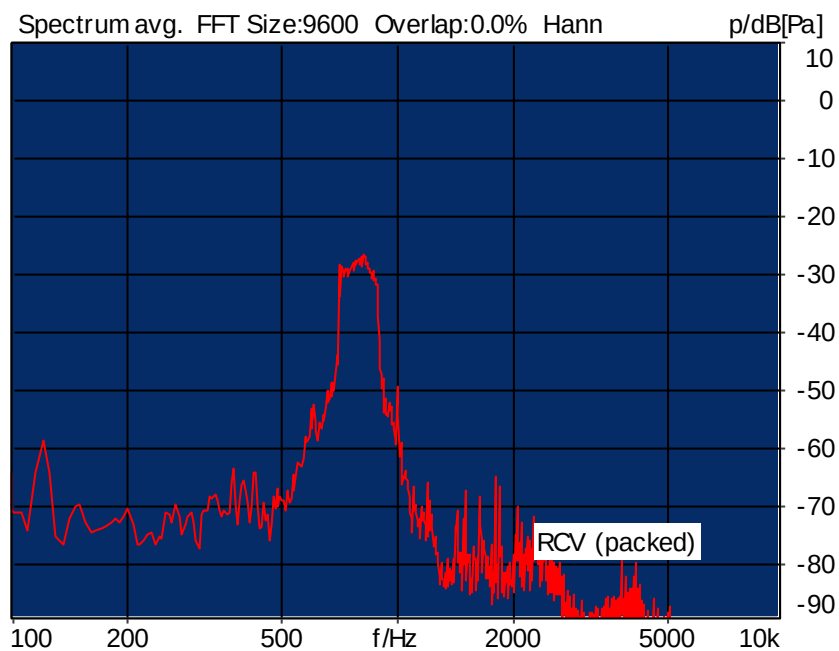
Limits

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): 25.96 dB (5.03%) Ok

Ok

2025-12-05 上午 06:12 ACQUA 6.1.110

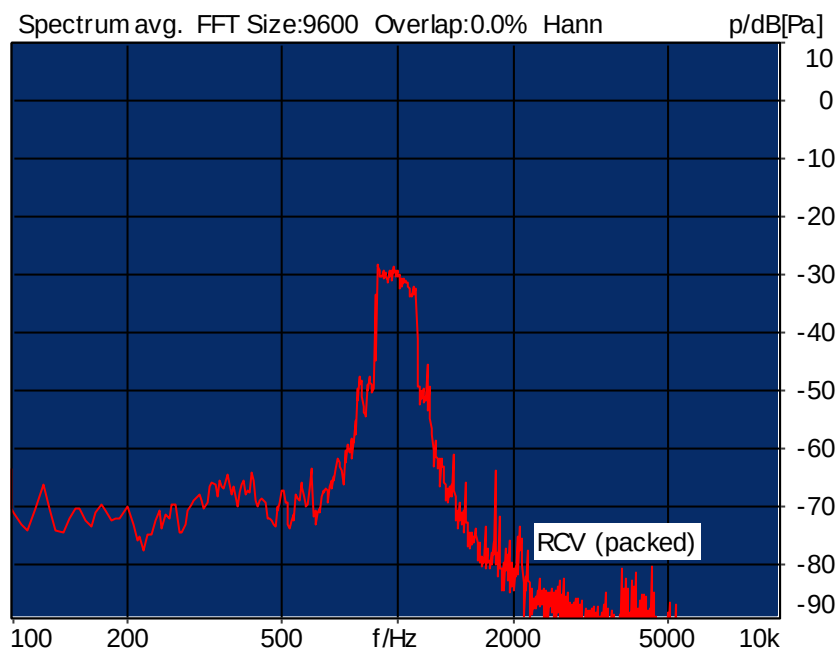
Limits

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): 21.77 dB (8.16%) Ok

Ok

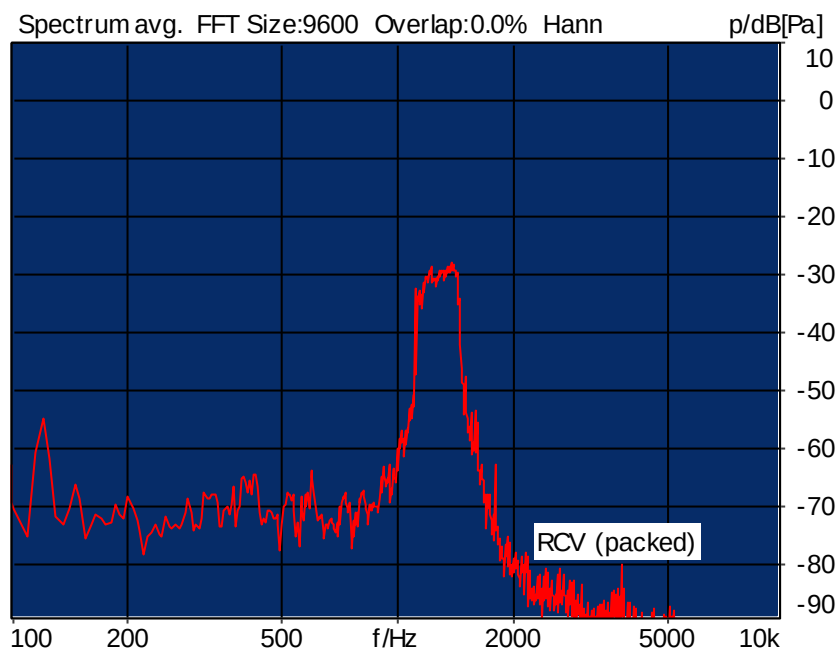
2025-12-05 上午 06:13 ACQUA 6.1.110

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): 22.38 dB (7.60%) Ok

Ok

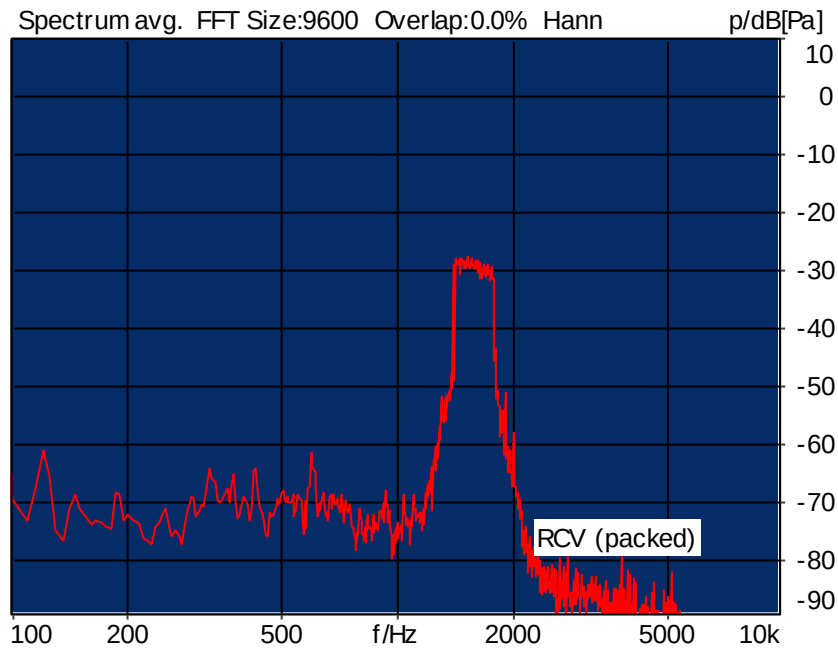
2025-12-05 上午 06:13 ACQUA 6.1.110

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): 26.29 dB (4.84%) Ok

Ok

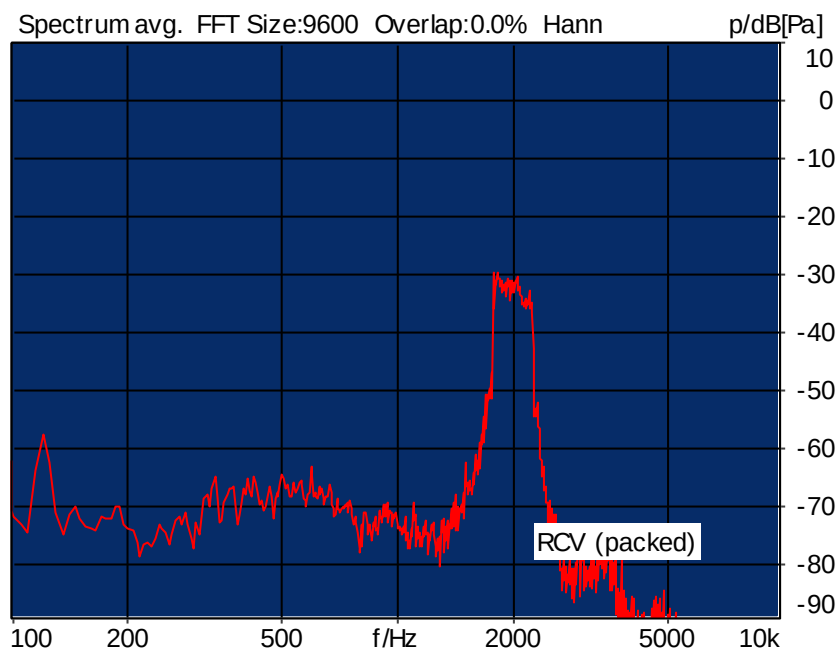
2025-12-05 上午 06:14 ACQUA 6.1.110

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): 24.08 dB (6.25%) Ok

Ok

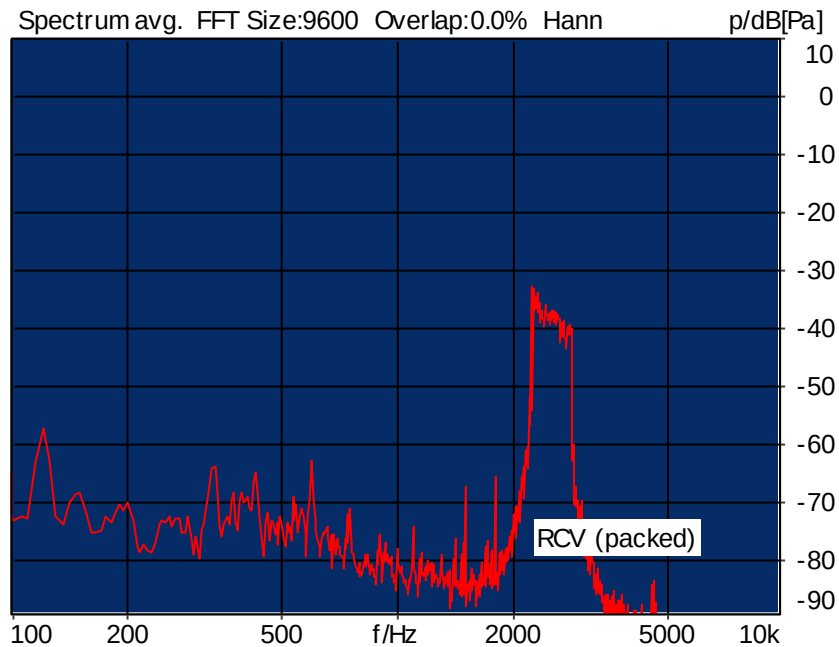
2025-12-05 上午 06:14 ACQUA 6.1.110

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): 27.05 dB (4.44%) Ok

Ok

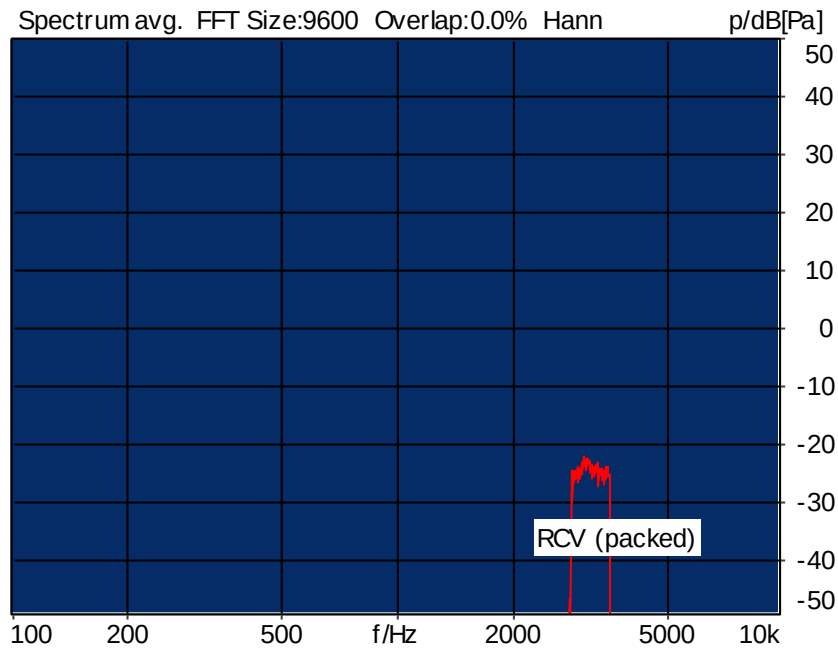
2025-12-05 上午 06:15 ACQUA 6.1.110

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): 45.40 dB (0.54%) Ok

Ok

2025-12-05 上午 06:16 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	30.67 dB
2	500Hz	28.36 dB
3	630Hz	23.57 dB
4	800Hz	25.96 dB
5	1000Hz	21.77 dB
6	1250Hz	22.38 dB
7	1600Hz	26.29 dB
8	2000Hz	24.08 dB
9	2500Hz	27.05 dB
10	3150Hz	45.40 dB

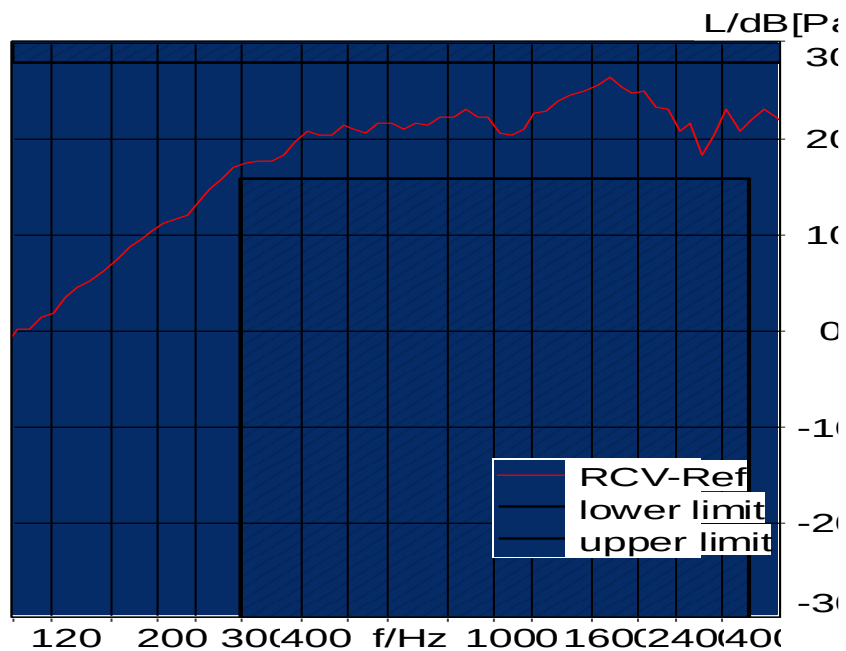
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.77dB at 1000Hz.

2025-12-05 上午 06:16 ACQUA

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance

1.60 dB at 1747.8 Hz Ok

Ok

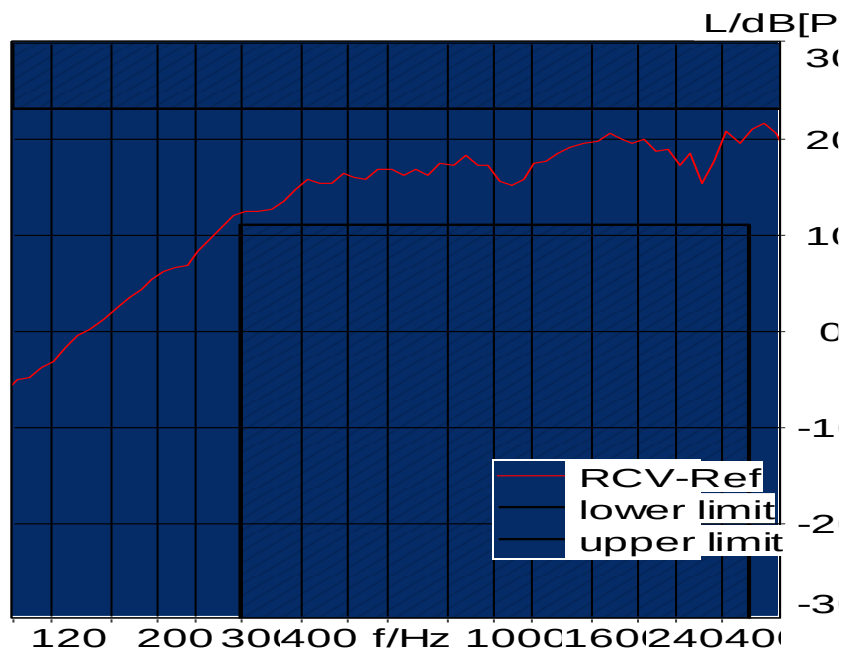
2025-12-05 上午 06:24 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance

1.42 dB at 3657.5 Hz Ok

Ok

2025-12-05 上午 06:16 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]	172.7
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	91.35
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	86.54
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.75
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.30
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.01
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.40
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.07
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.38
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.82
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.67
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.88
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	47.09
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 630Hz)	21.01
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.67
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.85
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.78
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.31
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.57
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.23
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.13
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.54
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.84
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	48.94
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 1250Hz)	22.23
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 1747.8 Hz	1.57
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3657.5 Hz	1.40



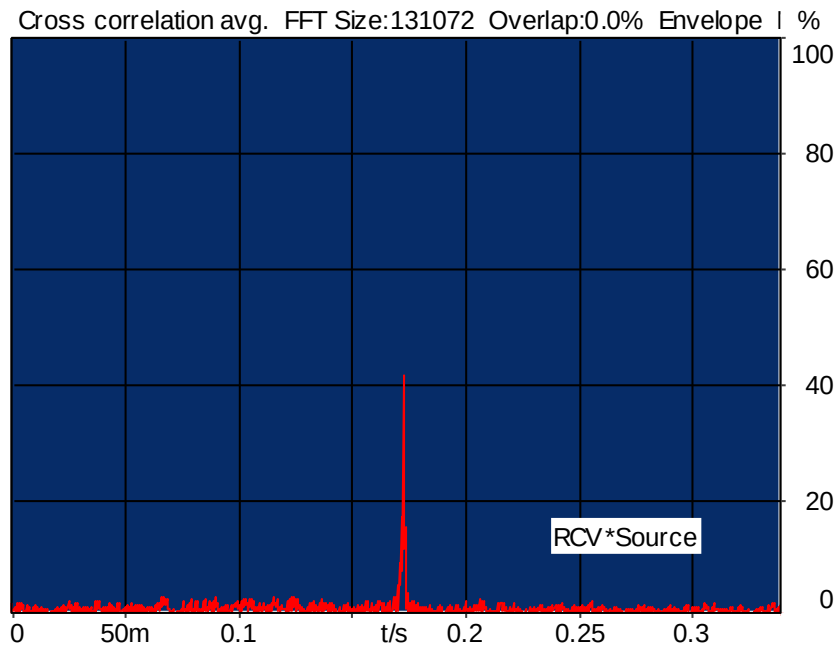
Overall Receive Delay NB	6
5.1a Receive Volume Control Performance 8N NB	7
5.1b Receive Volume Control Performance 2N NB	8
5.2 RCV Distortion and Noise - 400 Hz 8N NB	9
5.2 RCV Distortion and Noise - 500 Hz 8N NB	10
5.2 RCV Distortion and Noise - 630 Hz 8N NB	11
5.2 RCV Distortion and Noise - 800 Hz 8N NB	12
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	13
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	14
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	15
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	16
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	17
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	18
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	19
5.2 RCV Distortion and Noise - 400 Hz 2N NB	20
5.2 RCV Distortion and Noise - 500 Hz 2N NB	21
5.2 RCV Distortion and Noise - 630 Hz 2N NB	22
5.2 RCV Distortion and Noise - 800 Hz 2N NB	23
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	24
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	25
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	26
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	27
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	28
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	29
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	30
5.3 Frequency Response 8N DF HANB	31
5.3 Frequency Response 2N DF HANB	32





Overall Receive Delay NB

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

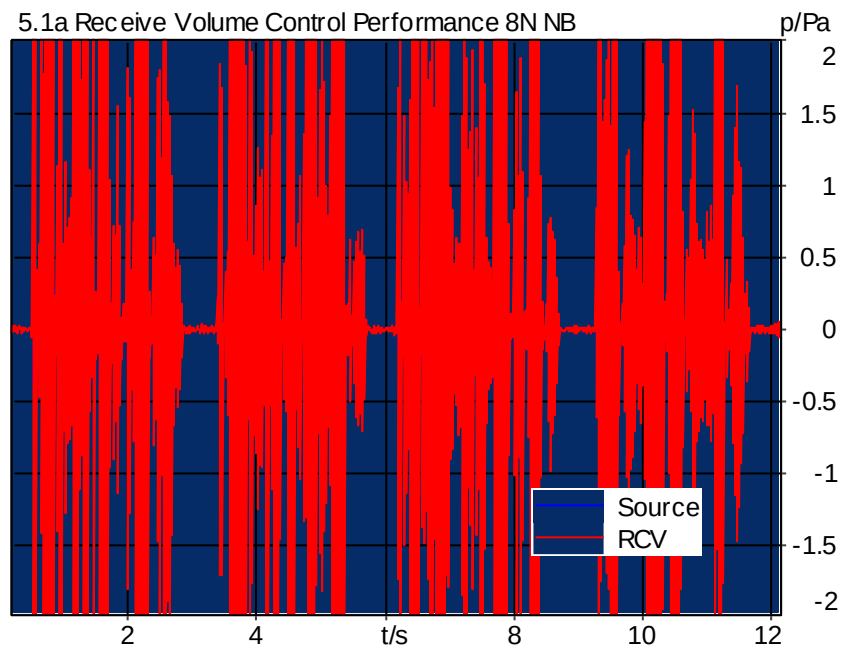


Channel	Delay	Correlation
RCV*Source	172.7 ms	41.73 %

2025-12-10 下午 09:08 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	91.35 dB[SPL]	84.56%	Ok

Ok

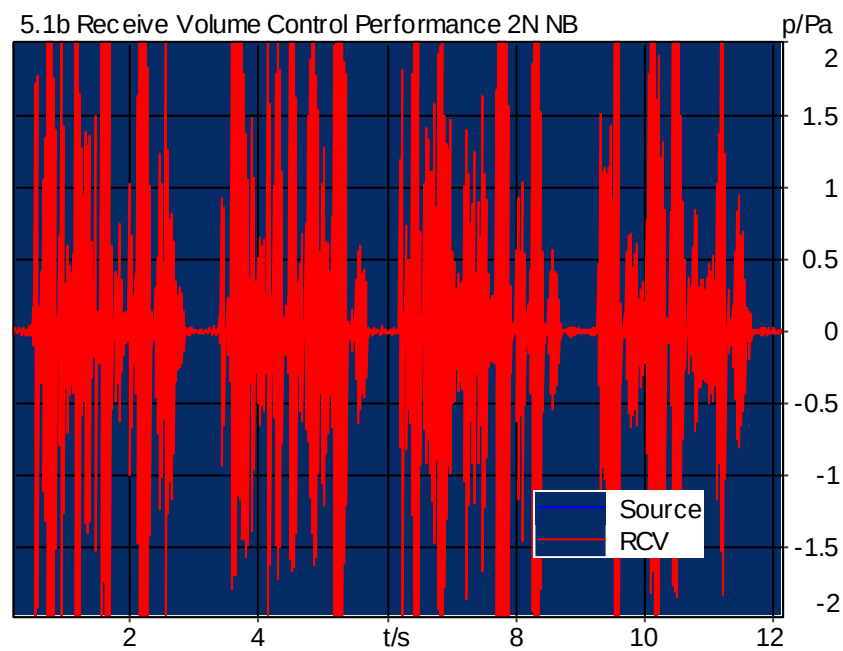
2025-12-10 下午 09:17 ACQUA 6.1.110

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	86.54 dB[SPL]	84.23%	Ok

Ok

2025-12-10 下午 09:10 ACQUA 6.1.110

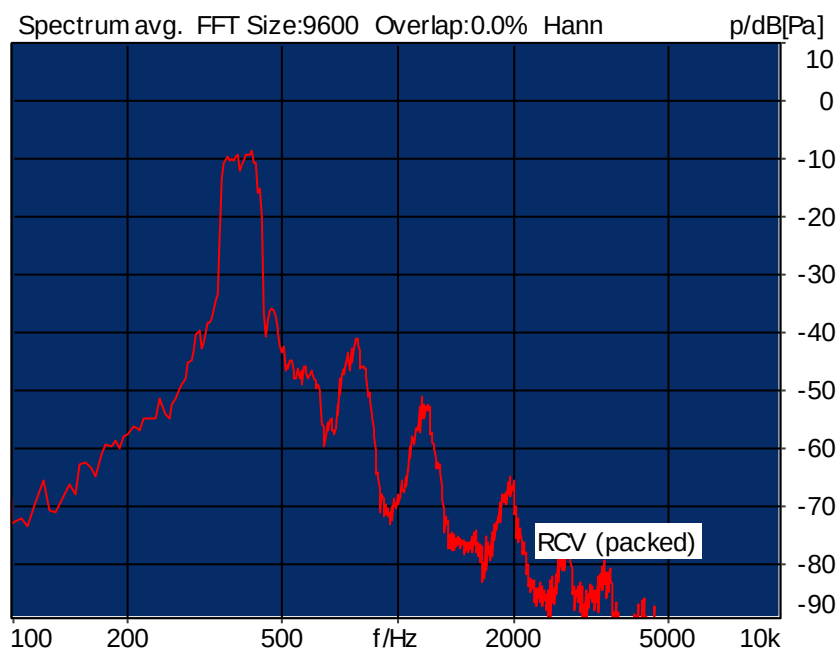
Limits

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): 30.75 dB (2.90%) Ok

Ok

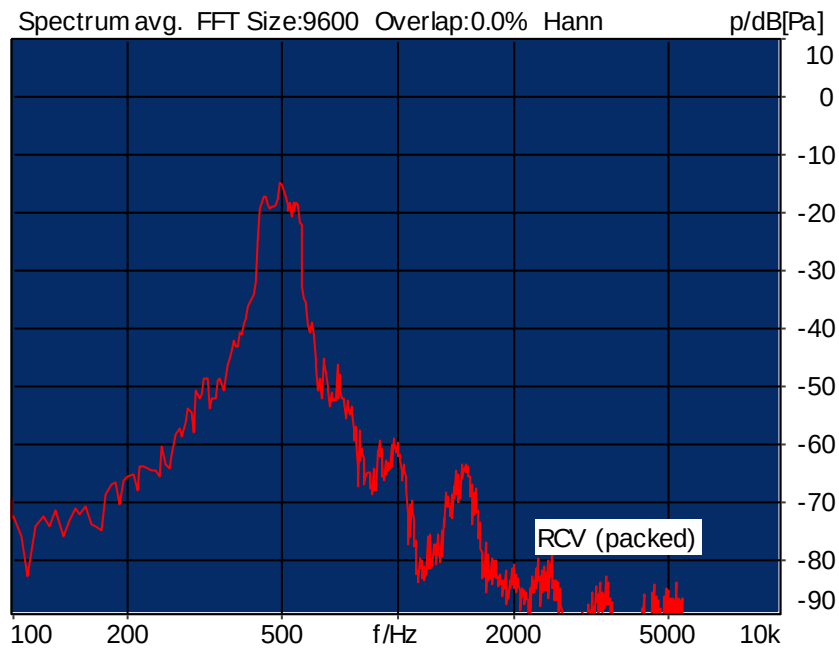
2025-12-10 下午 09:18 ACQUA 6.1.110

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): 28.30 dB (3.84%) Ok

Ok

2025-12-10 下午 09:18 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): 21.01 dB (8.90%) Ok

Ok

2025-12-10 下午 09:19 ACQUA 6.1.110

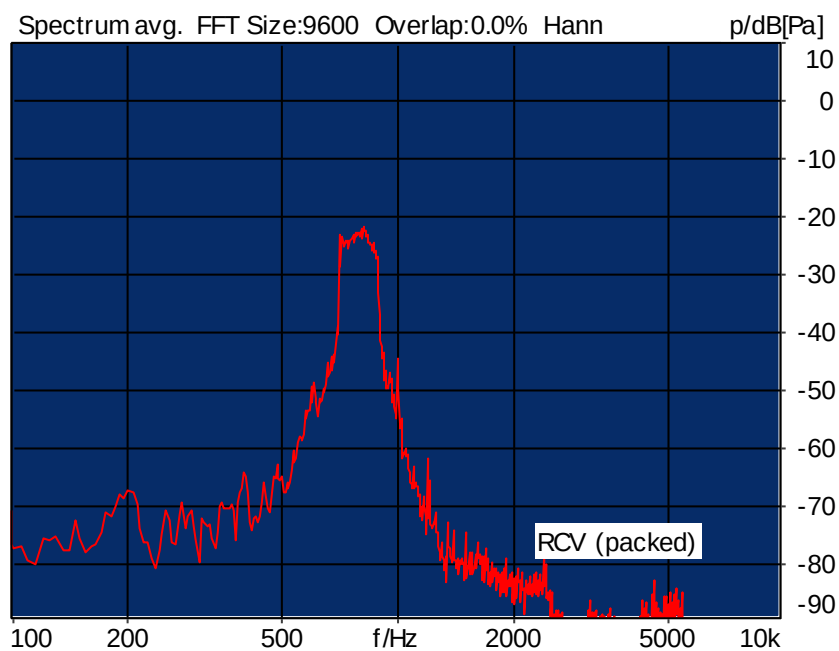
Limits

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): 26.40 dB (4.79%) Ok

Ok

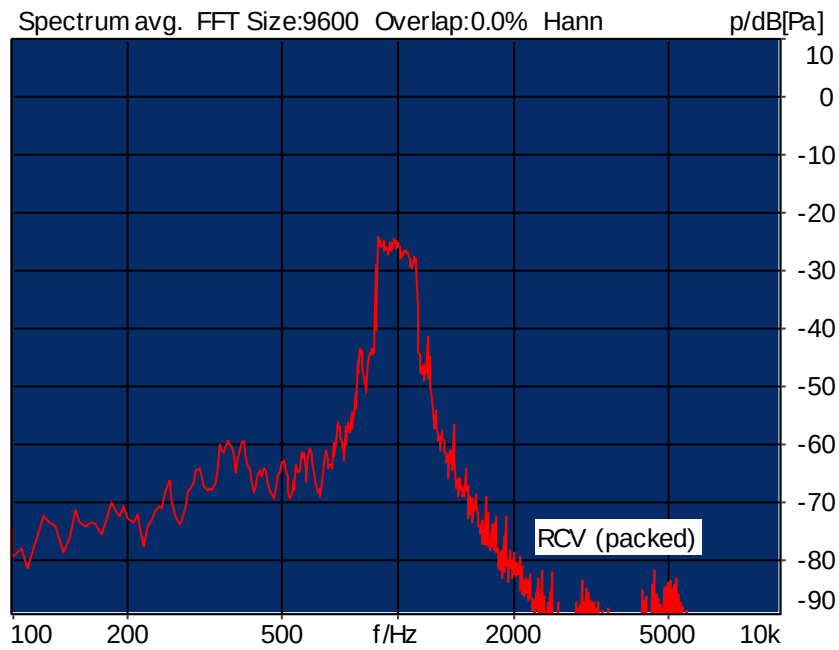
2025-12-10 下午 09:19 ACQUA 6.1.110

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): 22.07 dB (7.88%) Ok

Ok

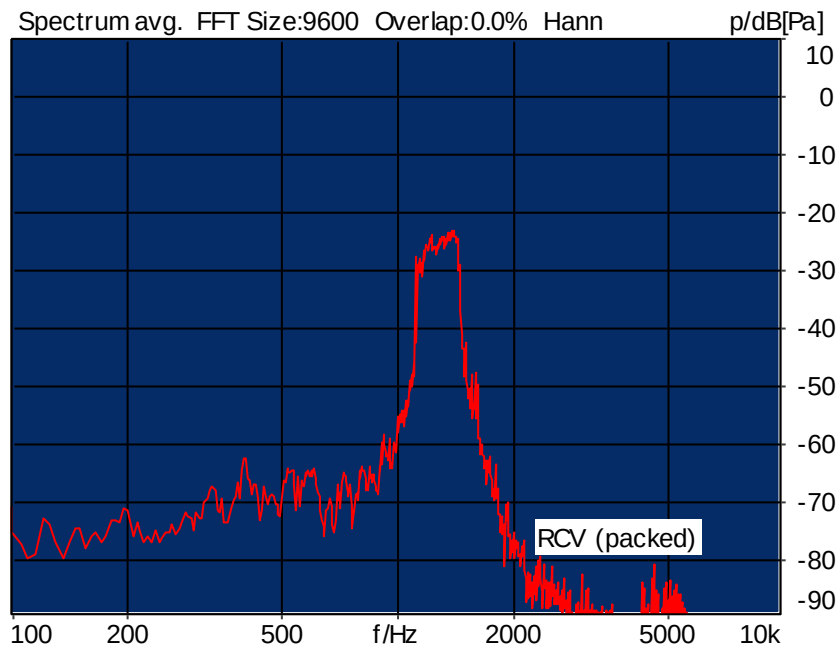
2025-12-10 下午 09:20 ACQUA 6.1.110

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): 22.38 dB (7.60%) Ok

Ok

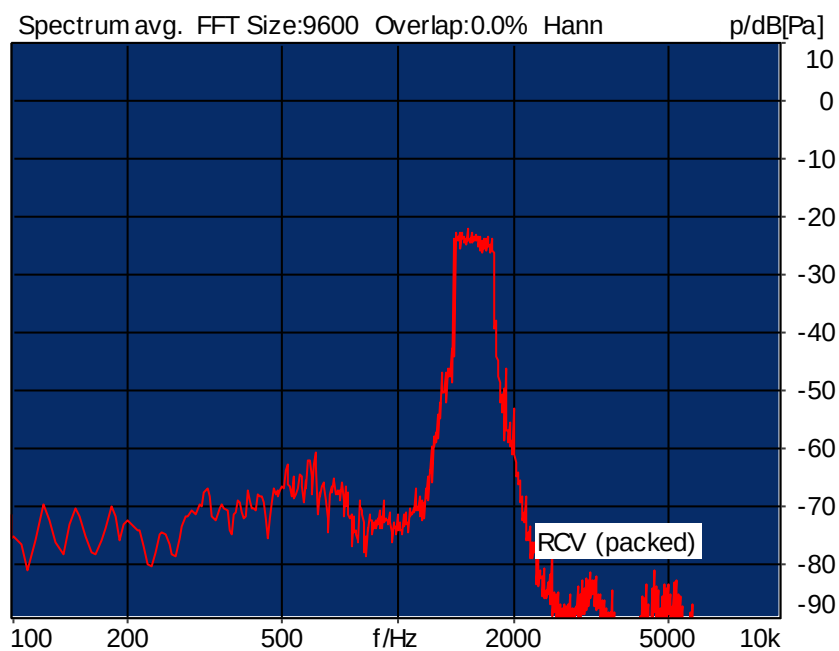
2025-12-10 下午 09:20 ACQUA 6.1.110

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): 26.82 dB (4.56%) Ok

Ok

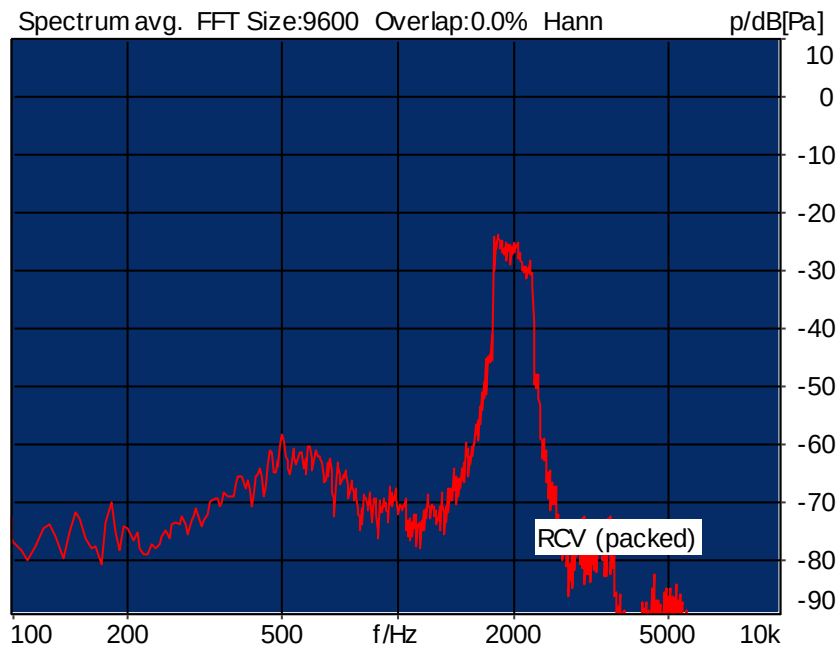
2025-12-10 下午 09:21 ACQUA 6.1.110

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): 24.67 dB (5.84%) Ok

Ok

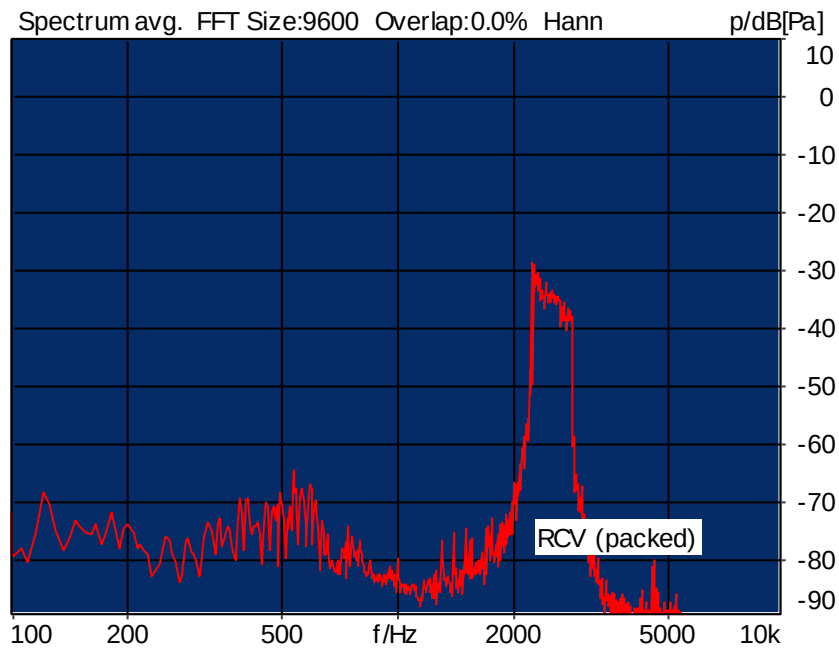
2025-12-10 下午 09:22 ACQUA 6.1.110

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): 26.88 dB (4.53%) Ok

Ok

2025-12-10 下午 09:22 ACQUA 6.1.110

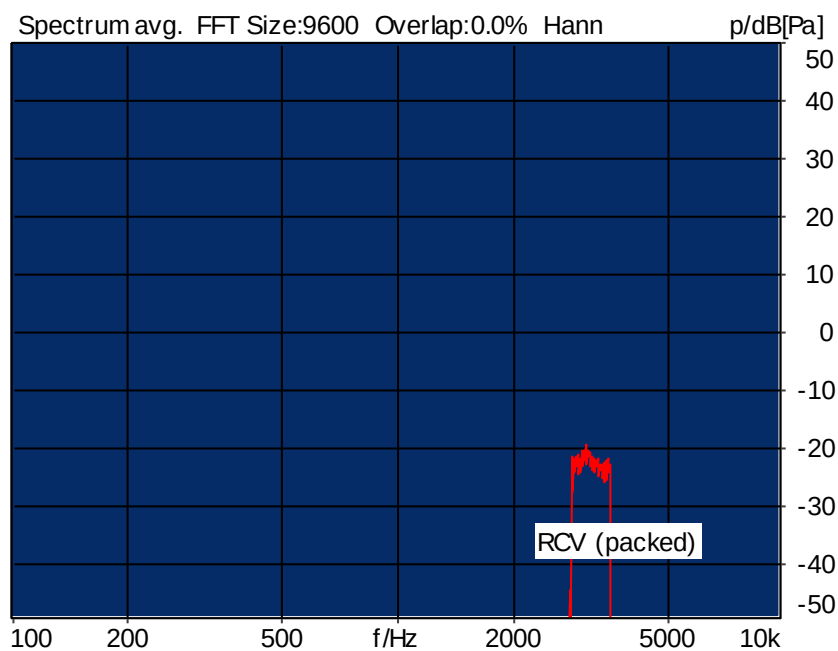
Limits

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): 47.09 dB (0.44%) Ok

Ok

2025-12-10 下午 09:23 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	30.75 dB
2	500Hz	28.30 dB
3	630Hz	21.01 dB
4	800Hz	26.40 dB
5	1000Hz	22.07 dB
6	1250Hz	22.38 dB
7	1600Hz	26.82 dB
8	2000Hz	24.67 dB
9	2500Hz	26.88 dB
10	3150Hz	47.09 dB

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

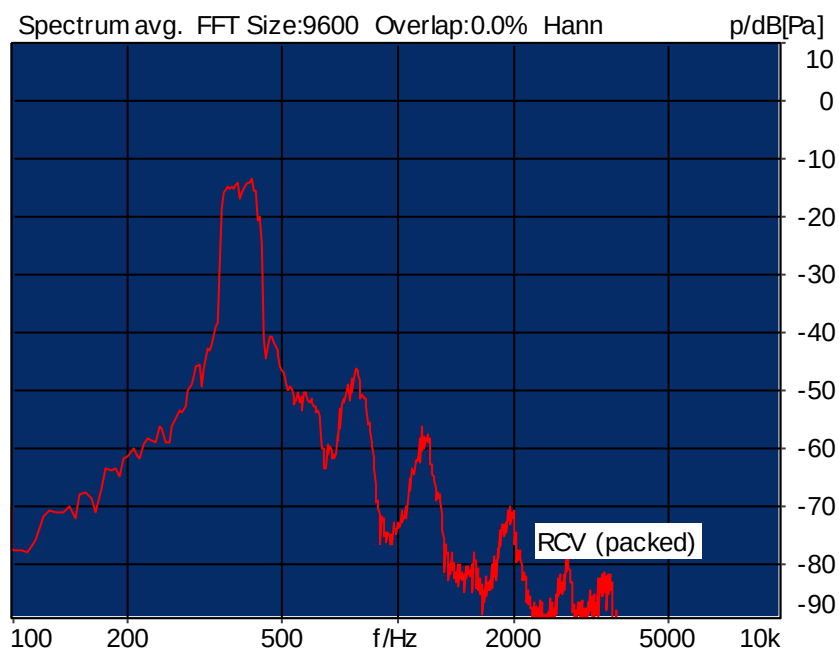
Smallest SDNR was 21.01dB at 630Hz.

2025-12-10 下午 09:23 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): 30.67 dB (2.93%) Ok

Ok

2025-12-10 下午 09:10 ACQUA 6.1.110

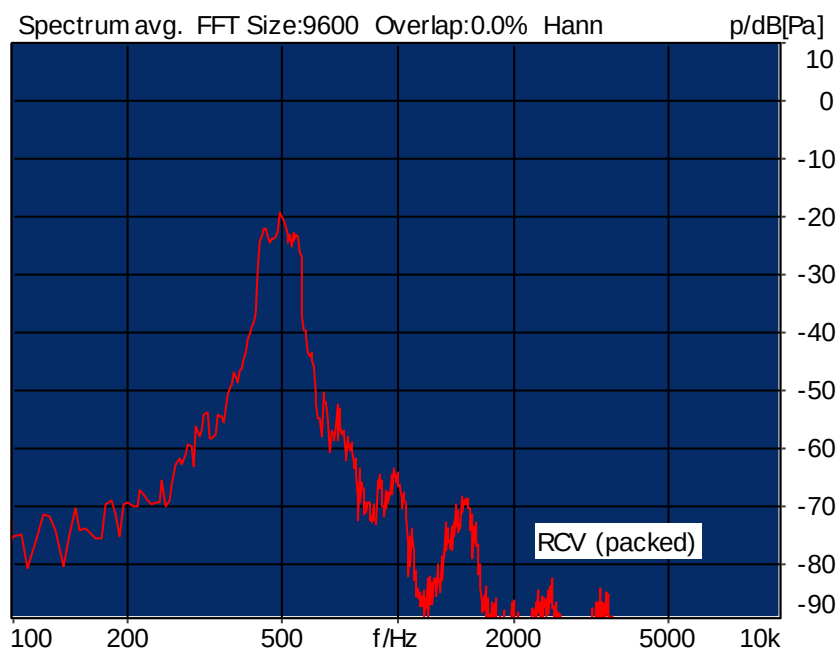
Limits

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): 28.85 dB (3.61%) Ok

Ok

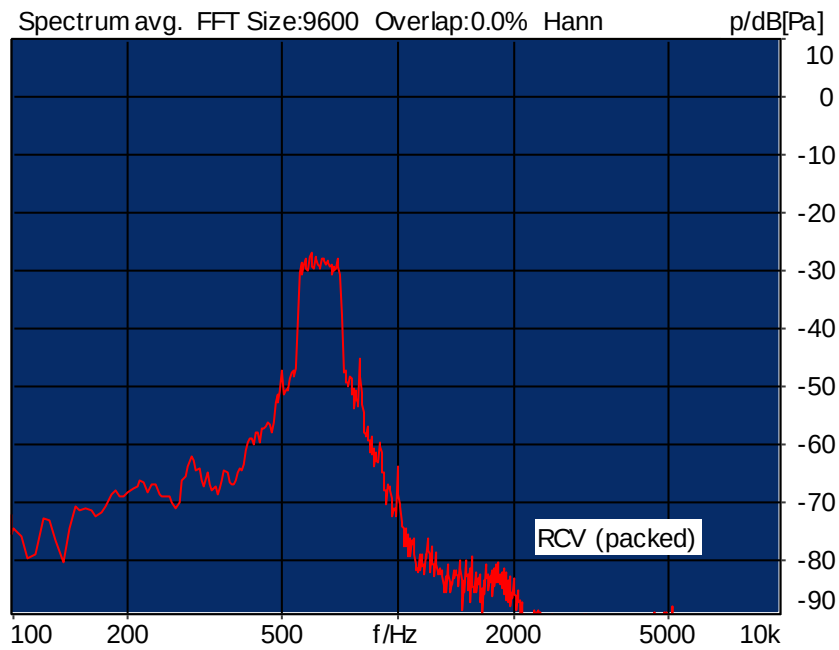
2025-12-10 下午 09:11 ACQUA 6.1.110

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): 23.78 dB (6.47%) Ok

Ok

2025-12-10 下午 09:11 ACQUA 6.1.110

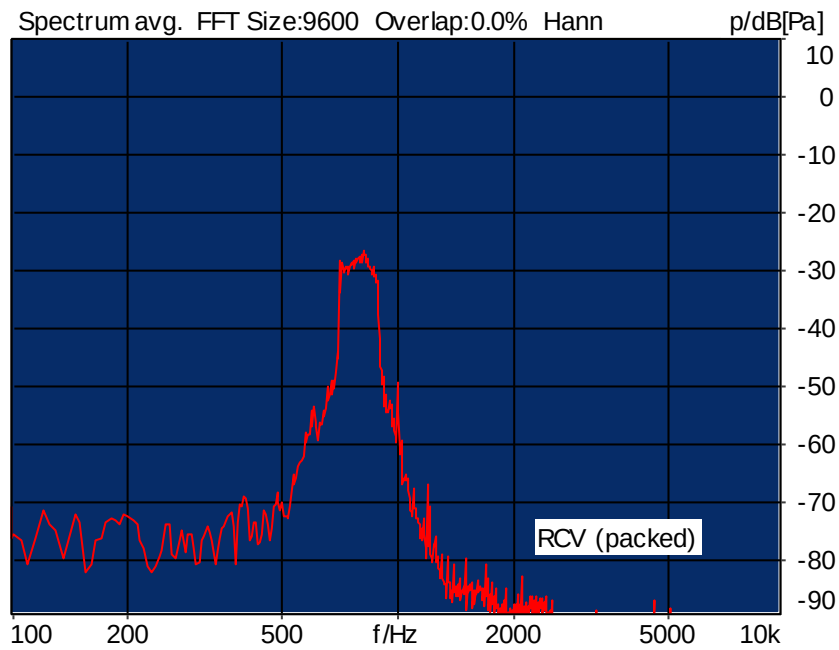
Limits

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): 26.31 dB (4.83%) Ok

Ok

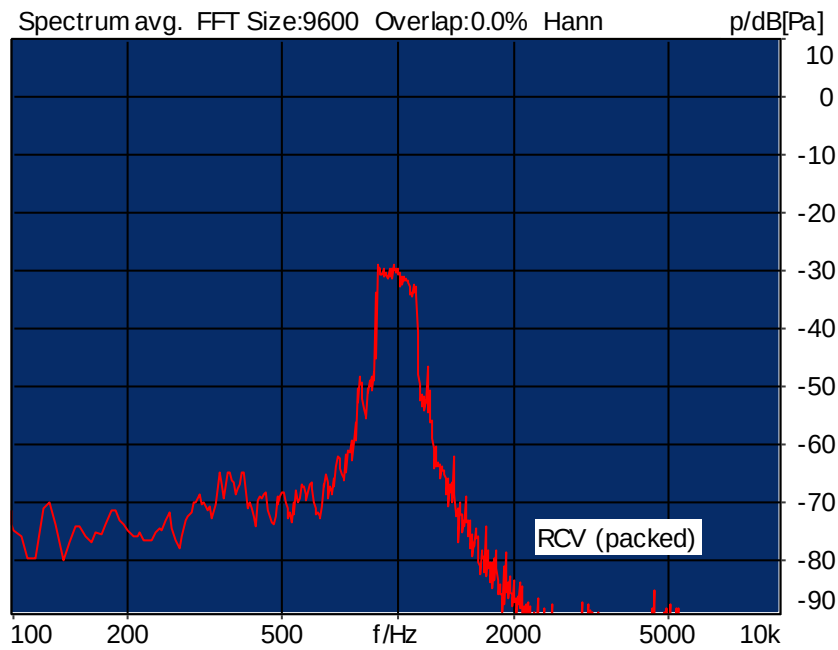
2025-12-10 下午 09:12 ACQUA 6.1.110

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): 22.57 dB (7.44%) Ok

Ok

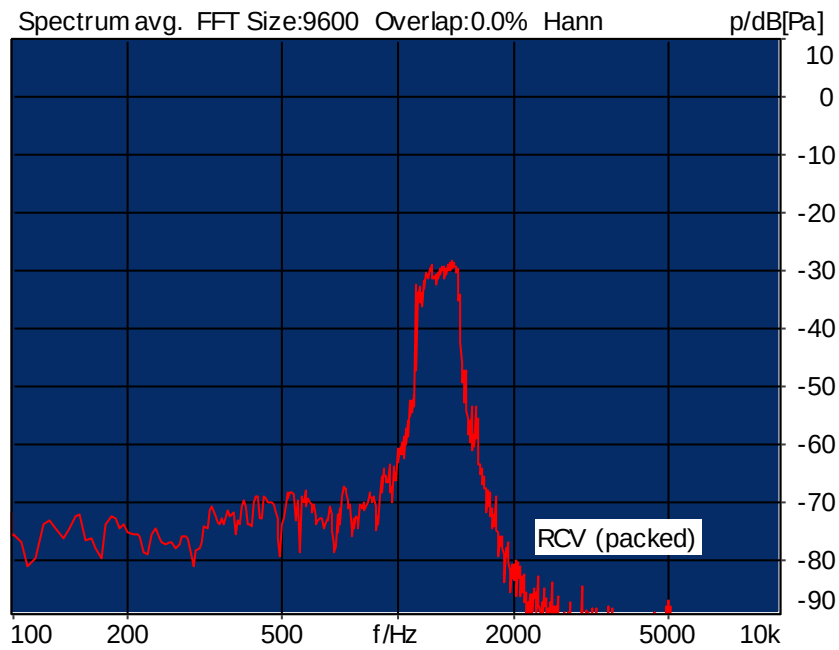
2025-12-10 下午 09:12 ACQUA 6.1.110

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): 22.23 dB (7.74%) Ok

Ok

2025-12-10 下午 09:13 ACQUA 6.1.110

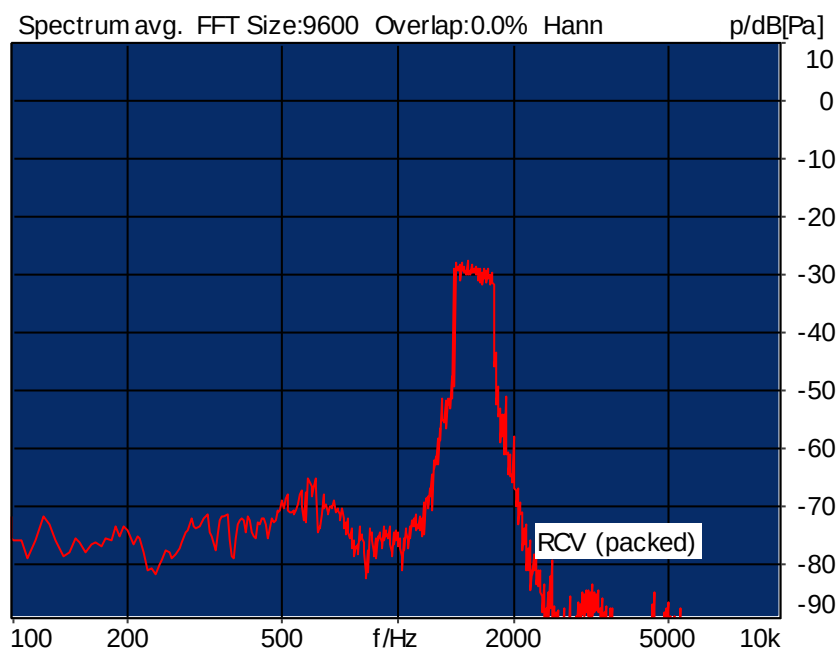
Limits

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): 26.13 dB (4.94%) Ok

Ok

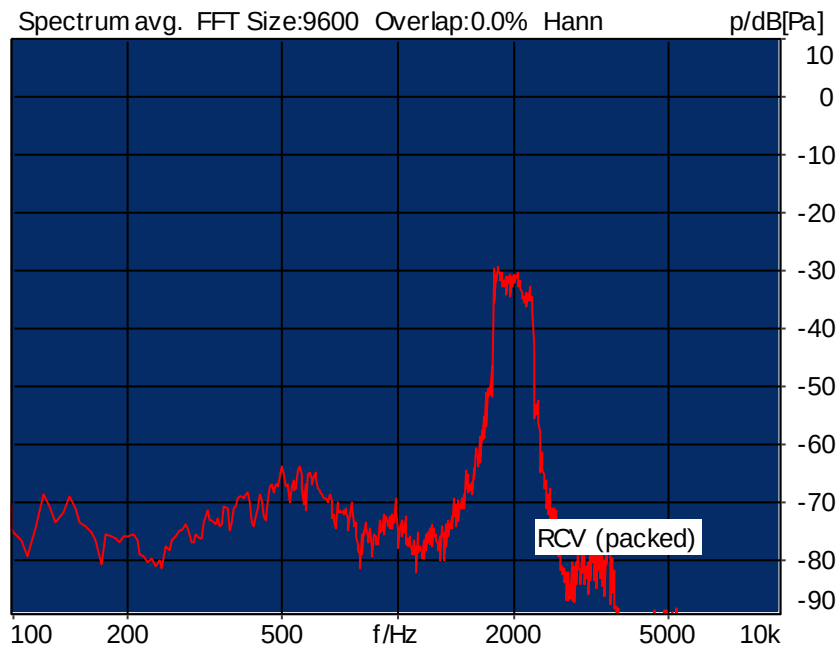
2025-12-10 下午 09:13 ACQUA 6.1.110

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): 24.54 dB (5.93%) Ok

Ok

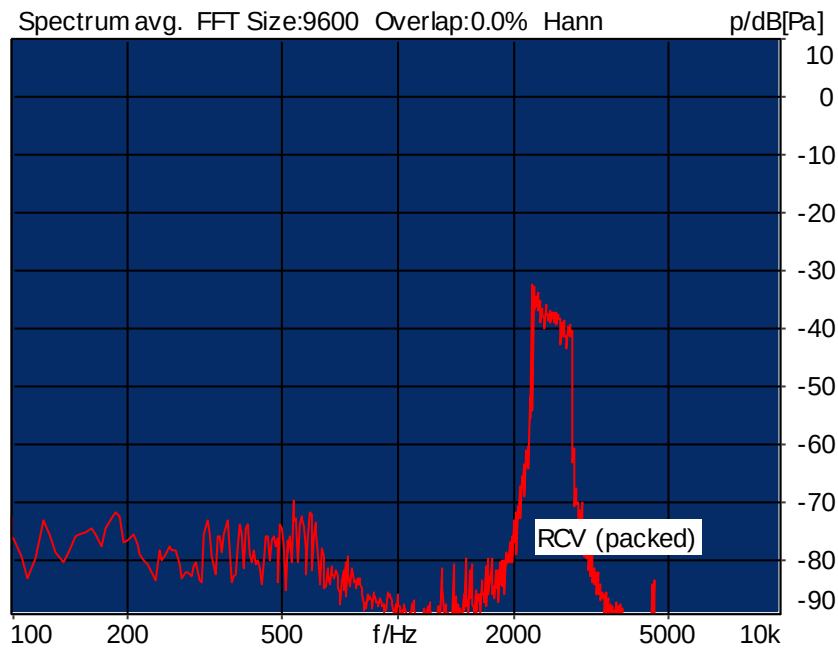
2025-12-10 下午 09:14 ACQUA 6.1.110

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): 27.84 dB (4.06%) Ok

Ok

2025-12-10 下午 09:14 ACQUA 6.1.110

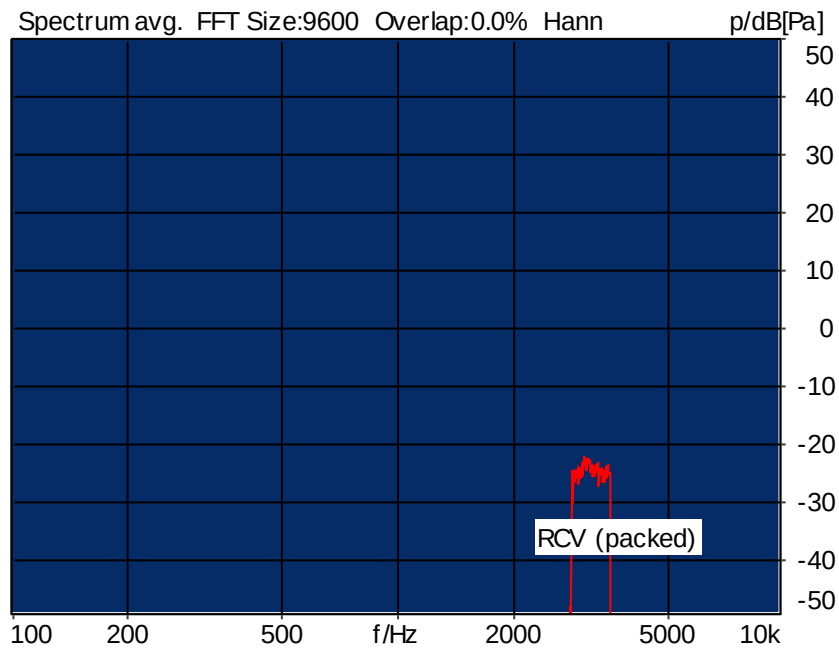
Limits

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): 48.94 dB (0.36%) Ok

Ok

2025-12-10 下午 09:15 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	30.67 dB
2	500Hz	28.85 dB
3	630Hz	23.78 dB
4	800Hz	26.31 dB
5	1000Hz	22.57 dB
6	1250Hz	22.23 dB
7	1600Hz	26.13 dB
8	2000Hz	24.54 dB
9	2500Hz	27.84 dB
10	3150Hz	48.94 dB

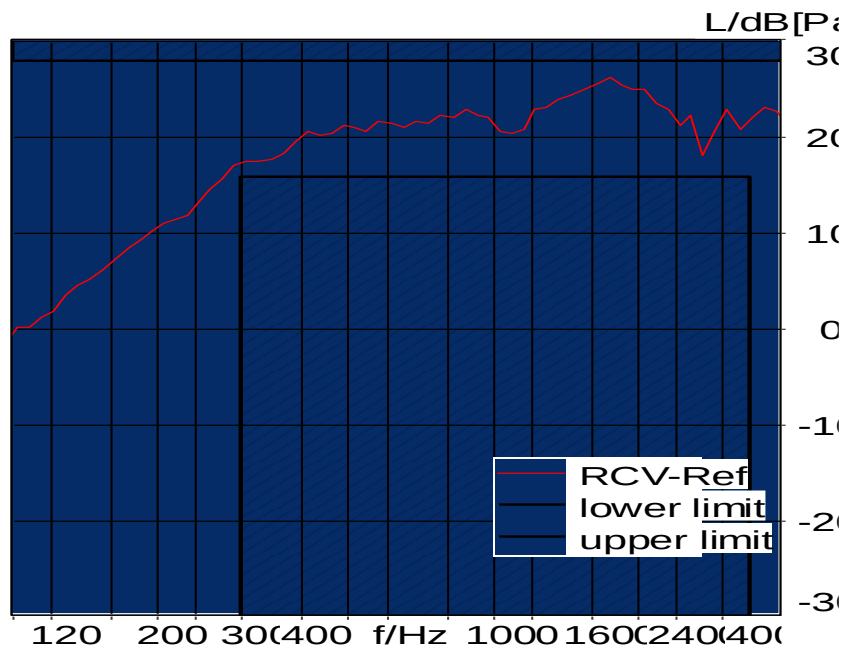
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.23dB at 1250Hz.

2025-12-10 下午 09:15 ACQUA

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance

1.57 dB at 1747.8 Hz Ok

Ok

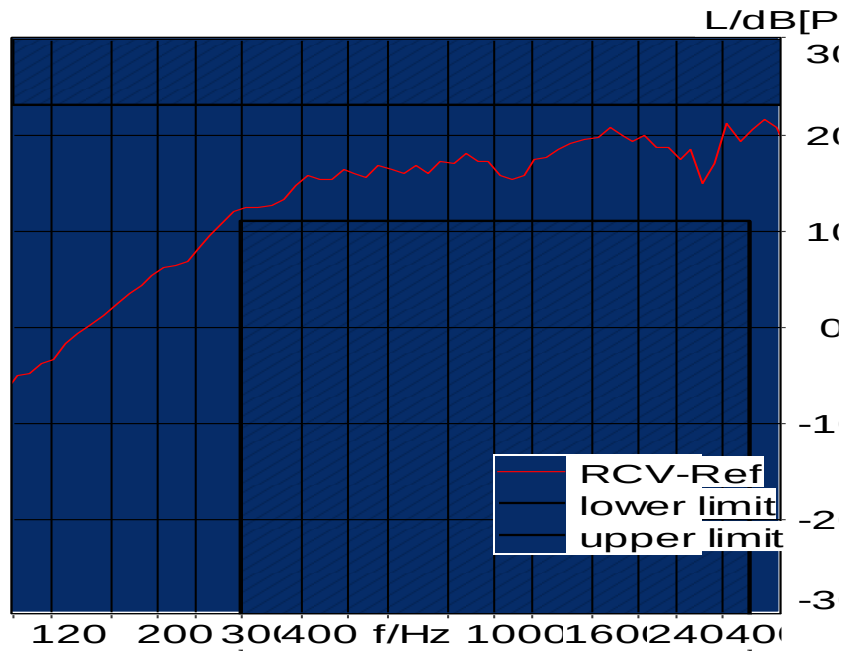
2025-12-10 下午 09:23 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance

1.40 dB at 3657.5 Hz Ok

Ok

2025-12-10 下午 09:15 ACQUA 6.1.110

Limits

lower
Fit into tolerance

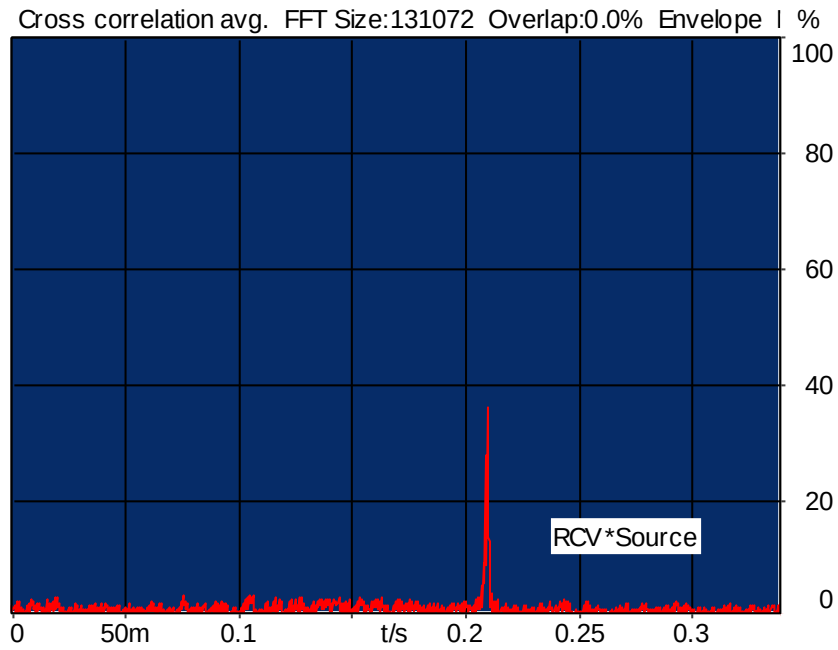
**#3 WiFi 5GHz EVS NB 24.4kbps**

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	210.1
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	90.67
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	86.82
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.88
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.51
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.97
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.47
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.56
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.38
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.89
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.01
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.54
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.48
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 1250Hz)	21.56
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.51
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.56
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.78
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.39
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.74
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.04
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.83
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.89
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.21
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	48.63
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 1250Hz)	21.04
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 324.6 Hz	1.61
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 324.6 Hz	1.62



Overall Receive Delay NB

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

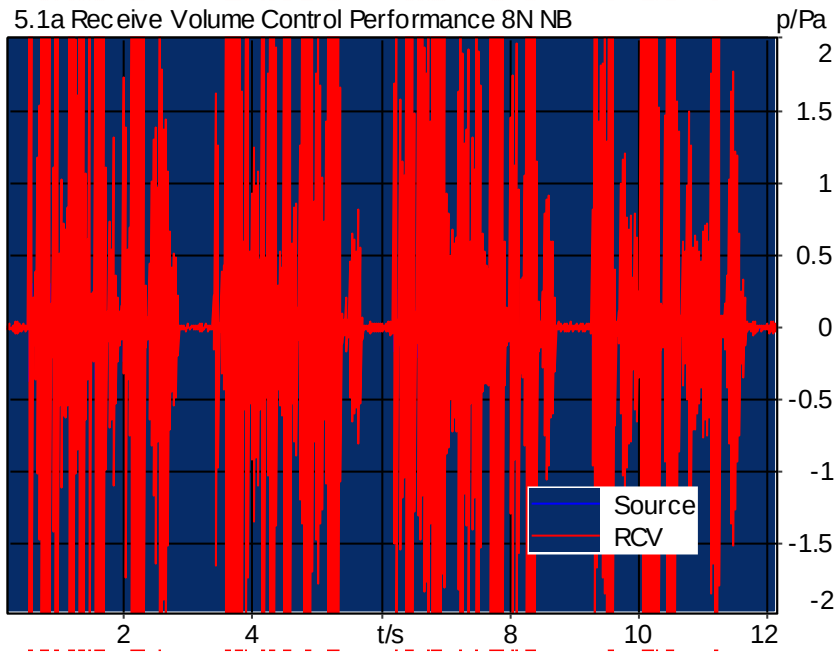


Channel	Delay	Correlation
RCV*Source	210.1 ms	36.23 %

2025-12-05 上午 08:09 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	90.67 dB[SPL]	84.55%	Ok

Ok

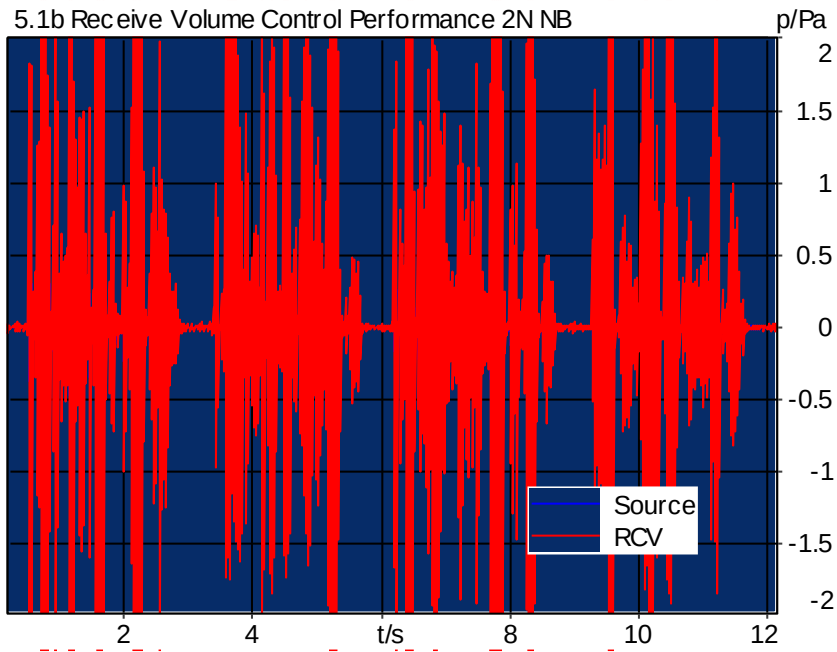
2025-12-05 上午 08:02 ACQUA 6.1.110

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	86.82 dB[SPL]	84.30%	Ok

Ok

2025-12-05 上午 08:13 ACQUA 6.1.110

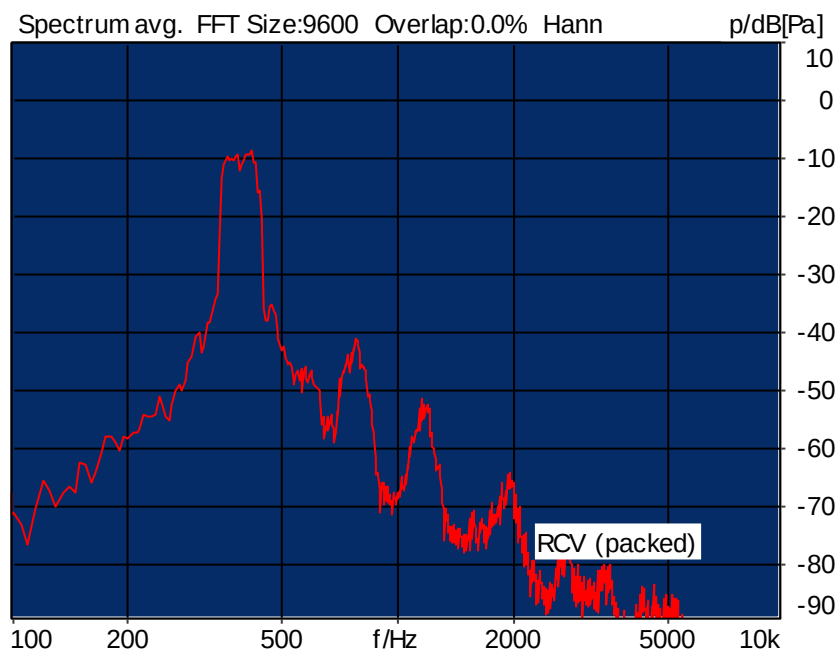
Limits

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): 30.88 dB (2.86%) Ok

Ok

2025-12-05 上午 08:03 ACQUA 6.1.110

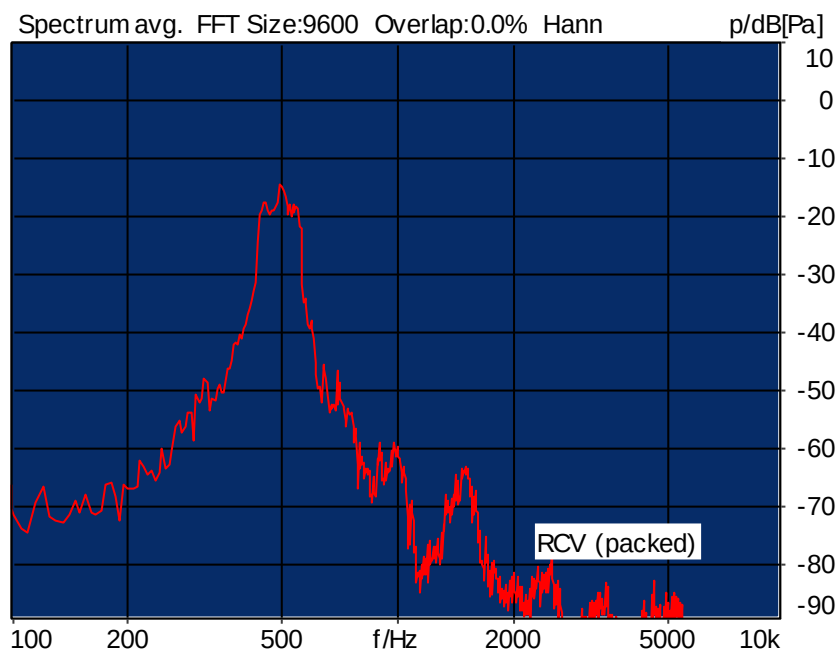
Limits

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): 28.51 dB (3.75%) Ok

Ok

2025-12-05 上午 08:04 ACQUA 6.1.110

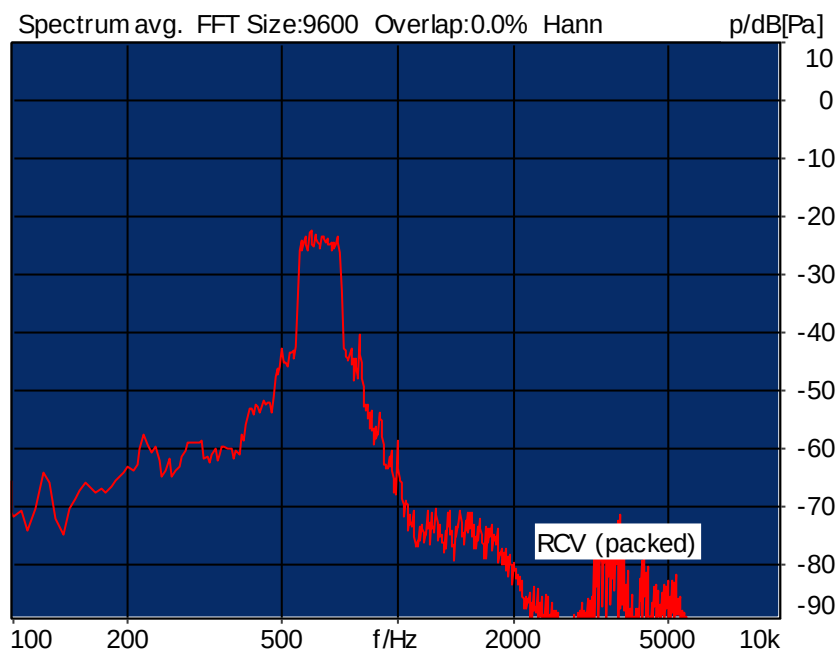
Limits

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): 22.97 dB (7.10%) Ok

Ok

2025-12-05 上午 08:10 ACQUA 6.1.110

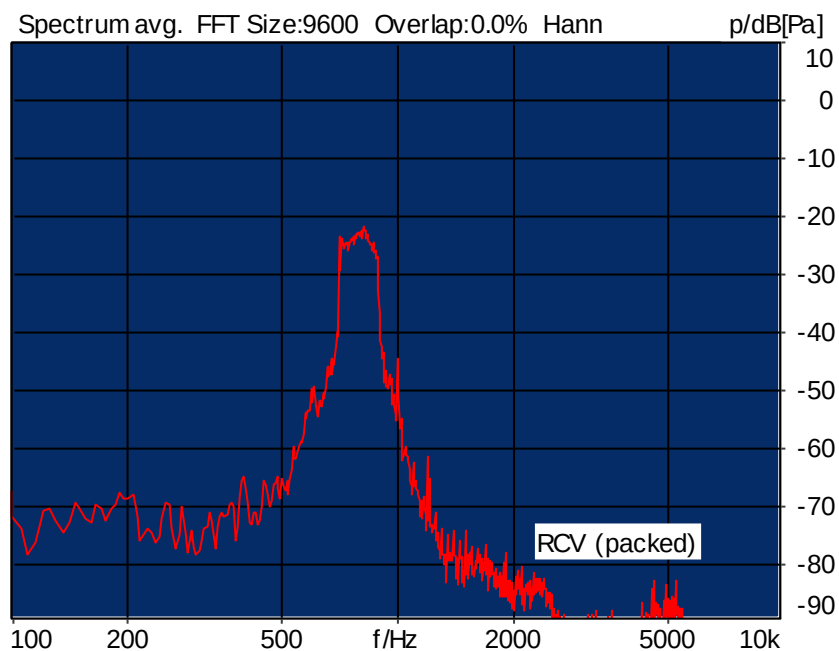
Limits

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): 26.47 dB (4.75%) Ok

Ok

2025-12-05 上午 08:05 ACQUA 6.1.110

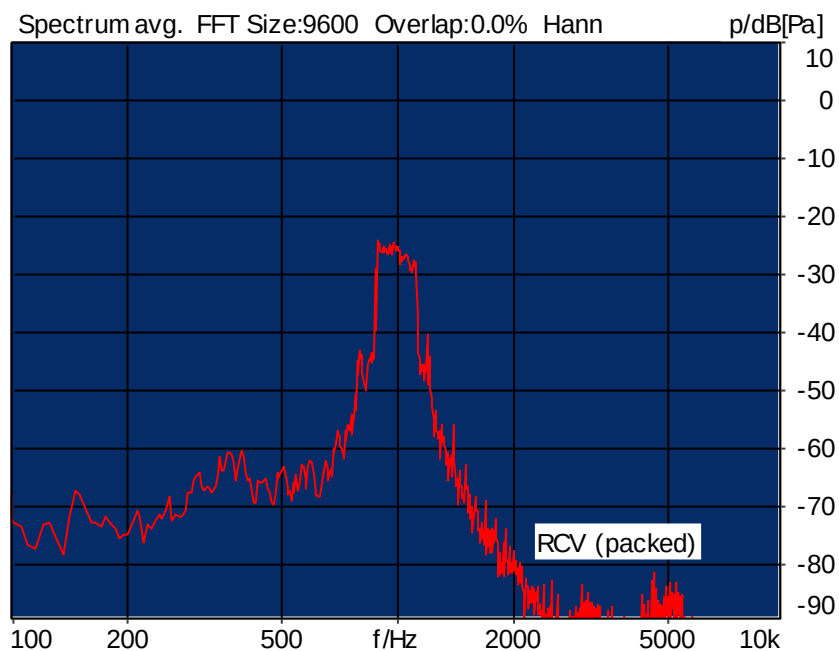
Limits

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): 21.56 dB (8.36%) Ok

Ok

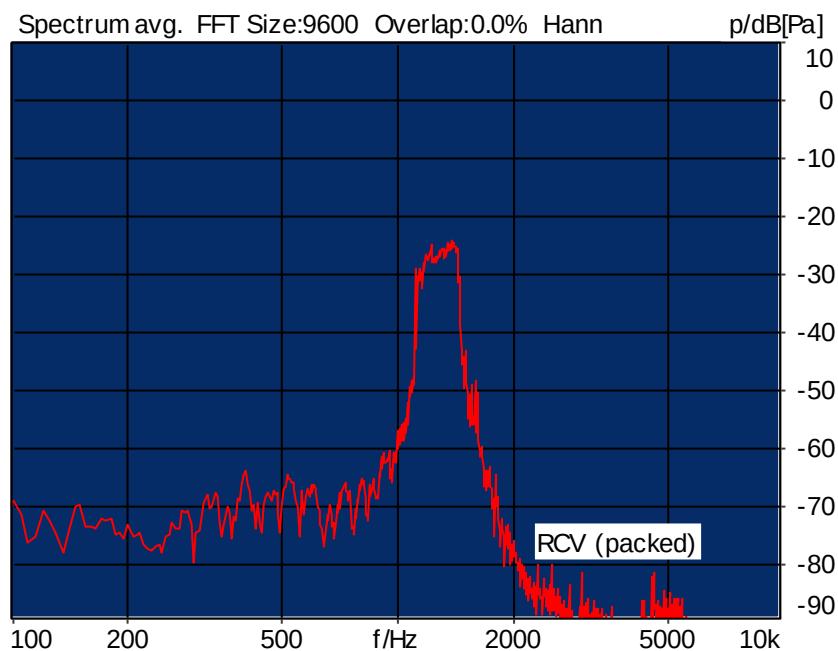
2025-12-05 上午 08:05 ACQUA 6.1.110

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): 22.38 dB (7.60%) Ok

Ok

2025-12-05 上午 08:06 ACQUA 6.1.110

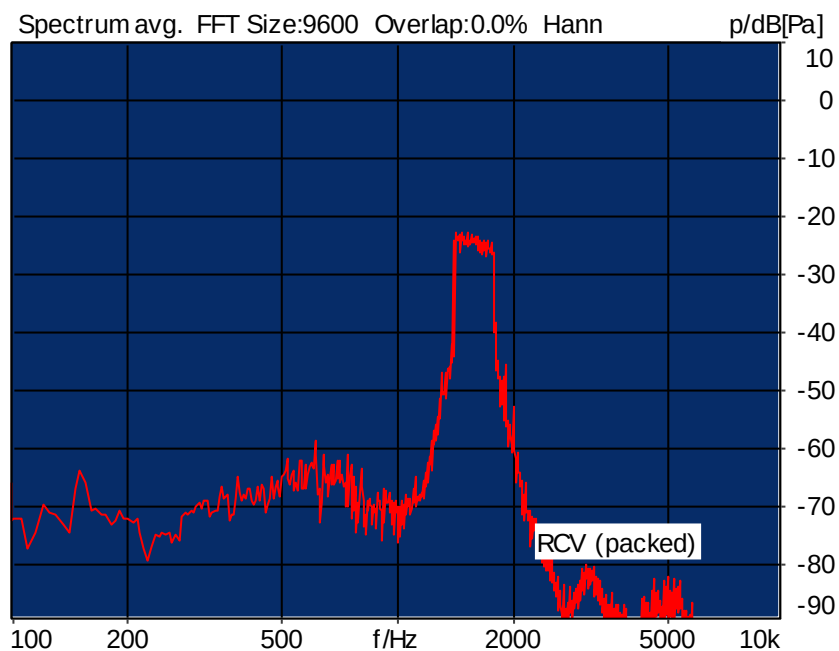
Limits

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): 25.89 dB (5.08%) Ok

Ok

2025-12-05 上午 08:06 ACQUA 6.1.110

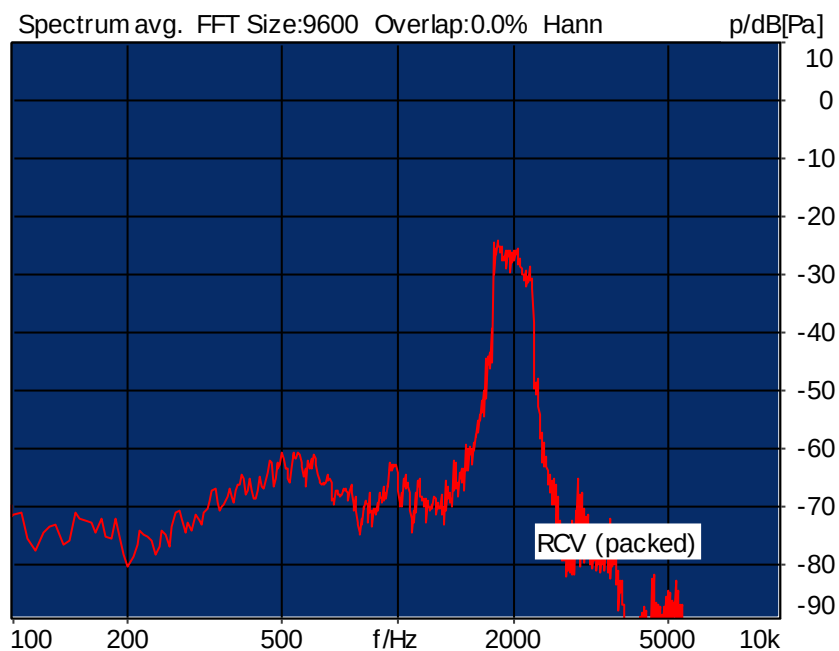
Limits

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): 24.01 dB (6.30%) Ok

Ok

2025-12-05 上午 08:07 ACQUA 6.1.110

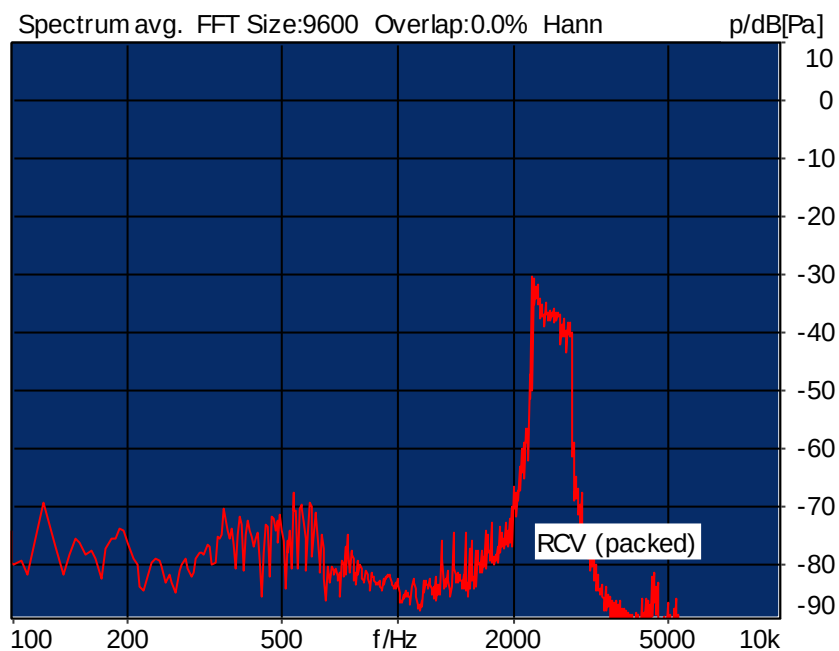
Limits

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): 25.54 dB (5.29%) Ok

Ok

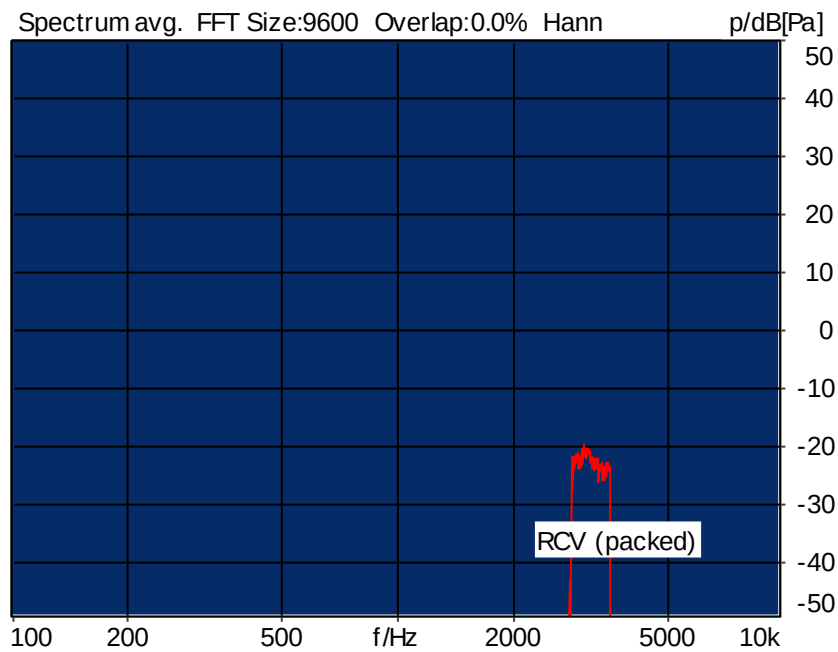
2026-01-08 下午 10:33 ACQUA 6.1.110

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): 34.48 dB (1.89%) Ok

Ok

2025-12-05 上午 08:08 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	30.88 dB
2	500Hz	28.51 dB
3	630Hz	22.97 dB
4	800Hz	26.47 dB
5	1000Hz	21.56 dB
6	1250Hz	22.38 dB
7	1600Hz	25.89 dB
8	2000Hz	24.01 dB
9	3150Hz	34.48 dB
10	2500Hz	25.54 dB

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

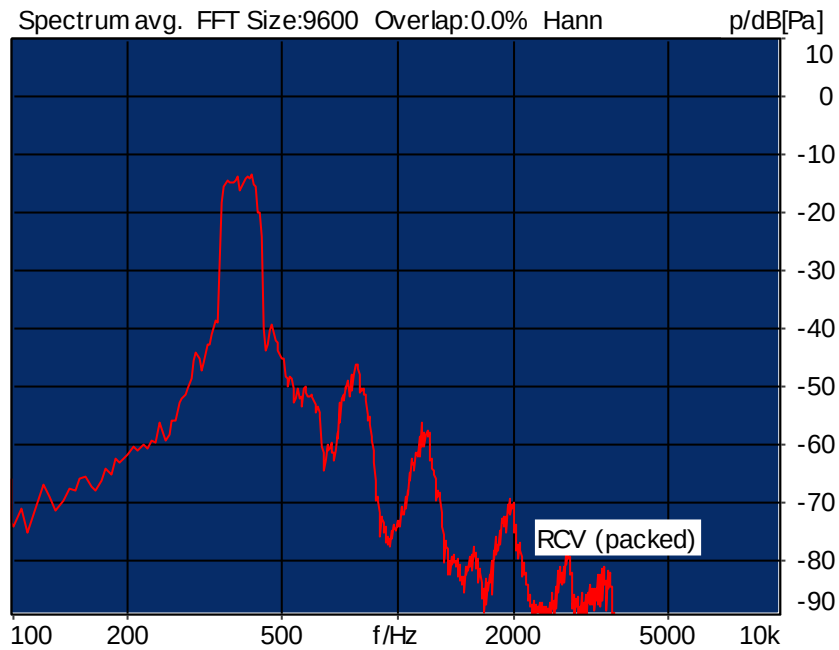
Smallest SDNR was 21.56dB at 1000Hz.

2026-03-30 下午 03:49 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): 30.51 dB (2.98%) Ok

Ok

2025-12-05 上午 08:13 ACQUA 6.1.110

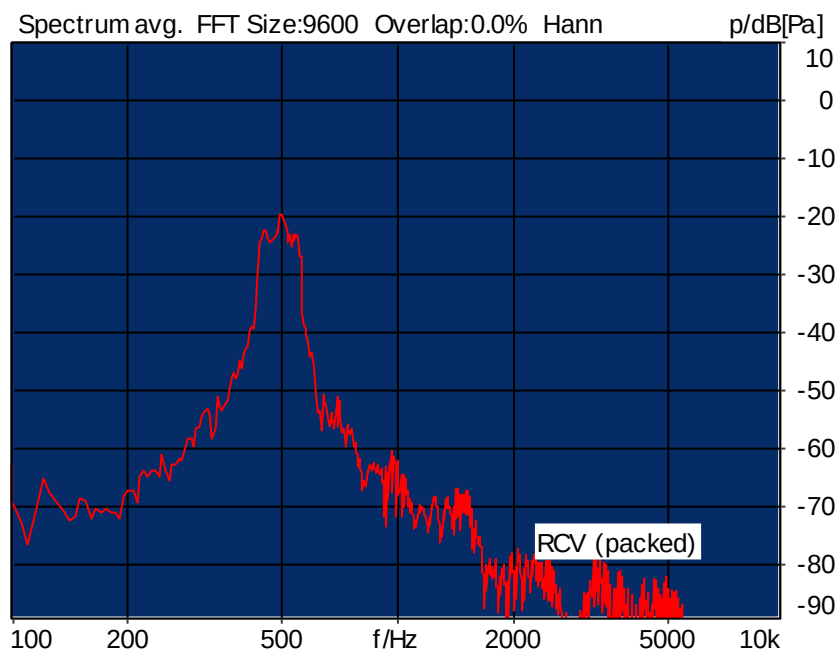
Limits

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): 27.56 dB (4.19%) Ok

Ok

2025-12-05 上午 08:14 ACQUA 6.1.110

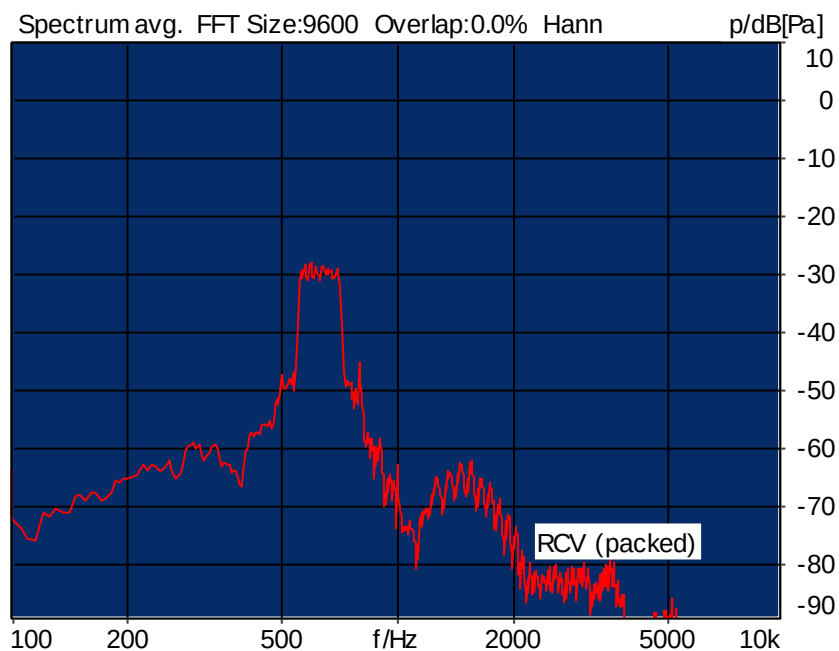
Limits

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): 21.78 dB (8.15%) Ok

Ok

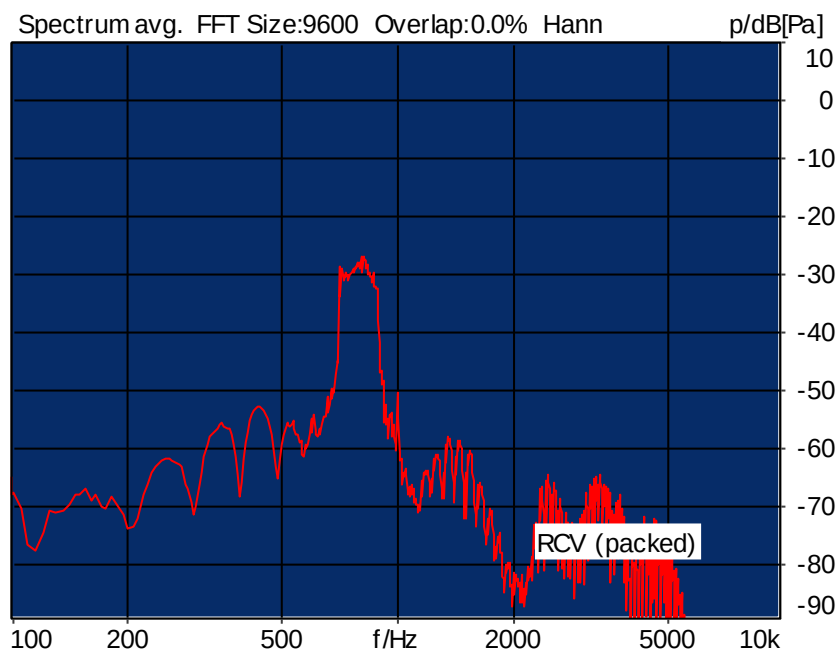
2025-12-05 上午 08:14 ACQUA 6.1.110

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): 22.39 dB (7.60%) Ok

Ok

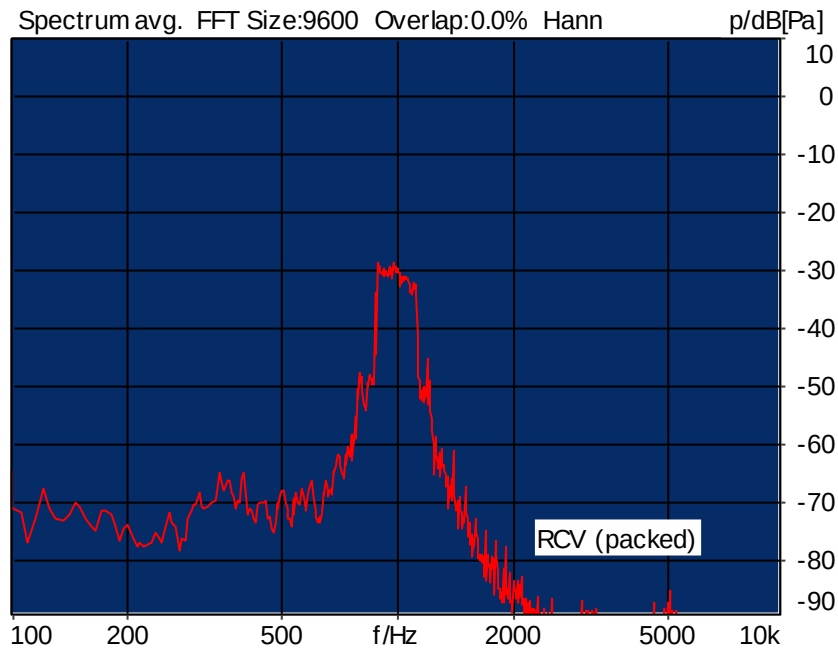
2025-12-05 上午 08:15 ACQUA 6.1.110

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): 21.74 dB (8.19%) Ok

Ok

2025-12-05 上午 08:16 ACQUA 6.1.110

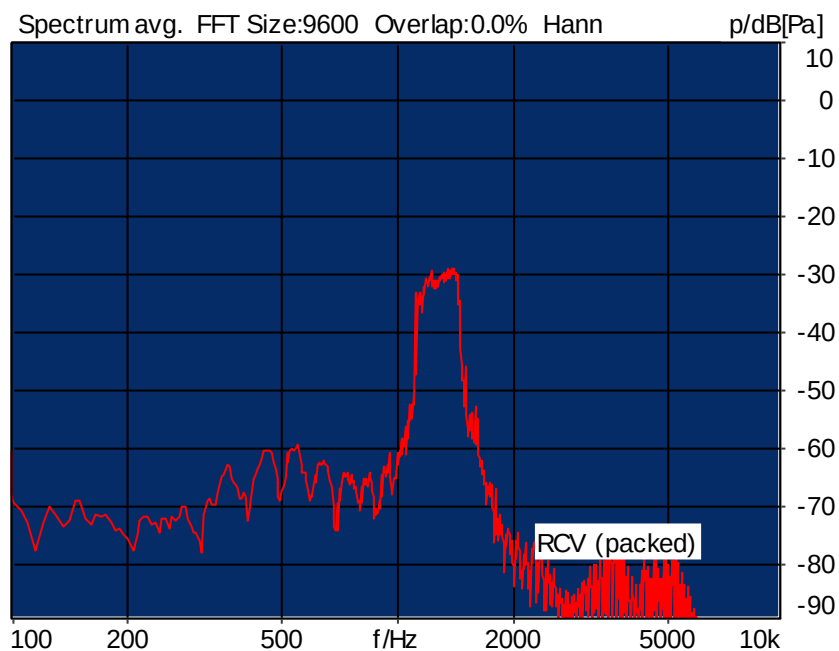
Limits

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): 21.04 dB (8.87%) Ok

Ok

2025-12-05 上午 08:16 ACQUA 6.1.110

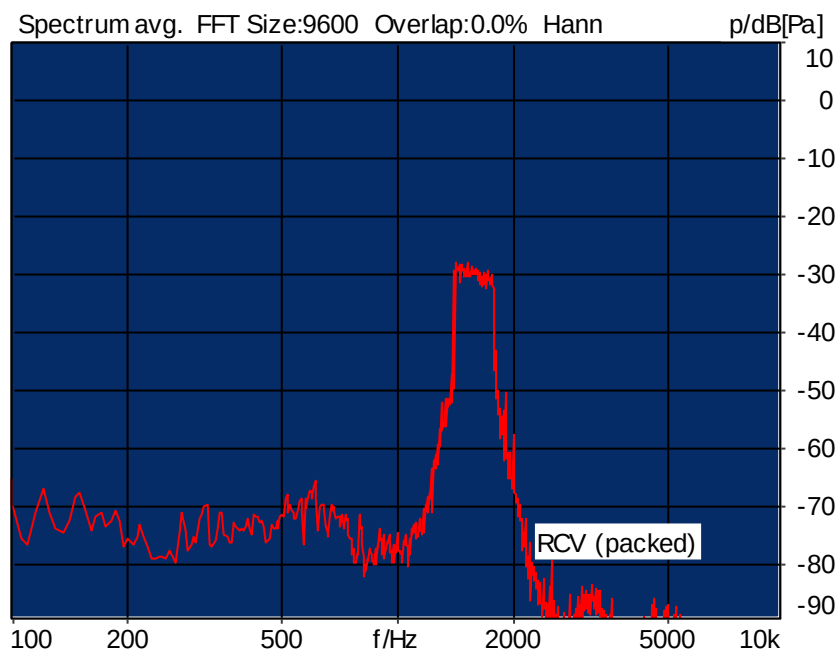
Limits

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): 25.83 dB (5.11%) Ok

Ok

2025-12-05 上午 08:17 ACQUA 6.1.110

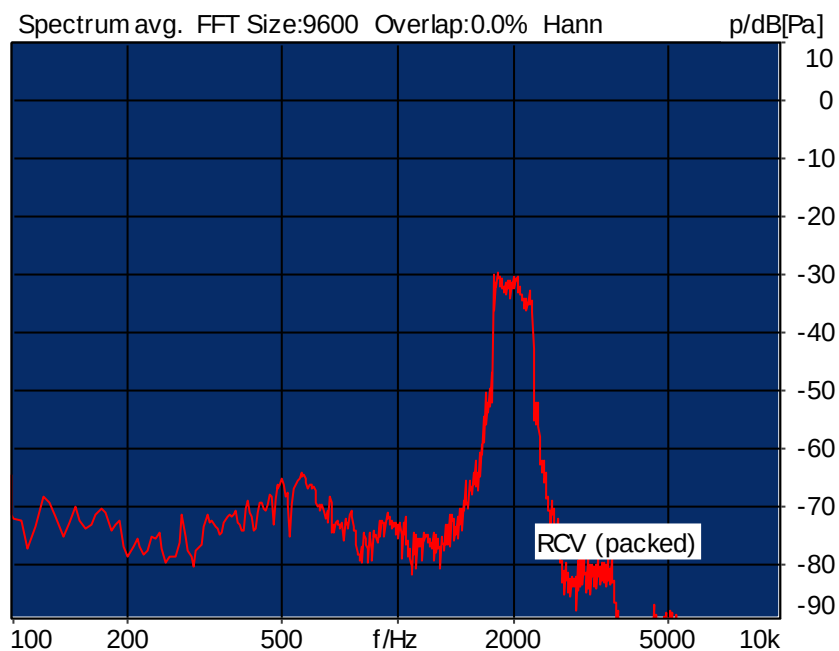
Limits

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): 24.89 dB (5.69%) Ok

Ok

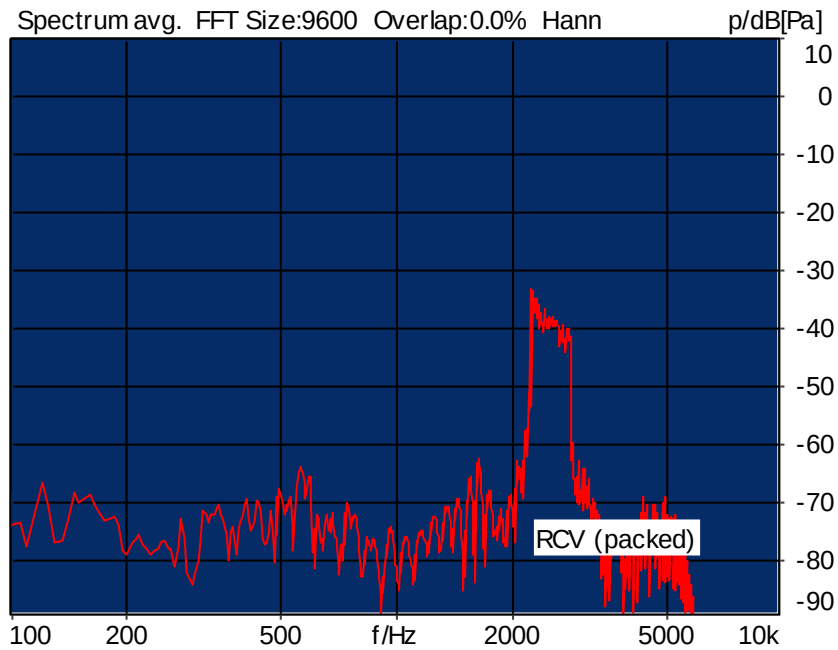
2025-12-05 上午 08:17 ACQUA 6.1.110

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): 22.21 dB (7.76%) Ok

Ok

2025-12-05 上午 08:18 ACQUA 6.1.110

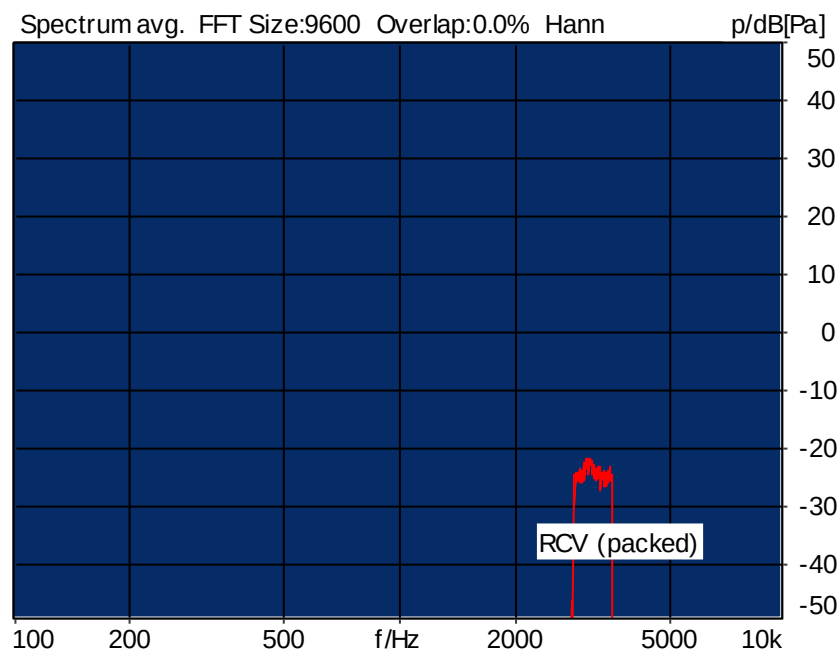
Limits

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): 48.63 dB (0.37%) Ok

Ok

2025-12-05 上午 08:18 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	30.51 dB
2	500Hz	27.56 dB
3	630Hz	21.78 dB
4	800Hz	22.39 dB
5	1000Hz	21.74 dB
6	1250Hz	21.04 dB
7	1600Hz	25.83 dB
8	2000Hz	24.89 dB
9	2500Hz	22.21 dB
10	3150Hz	48.63 dB

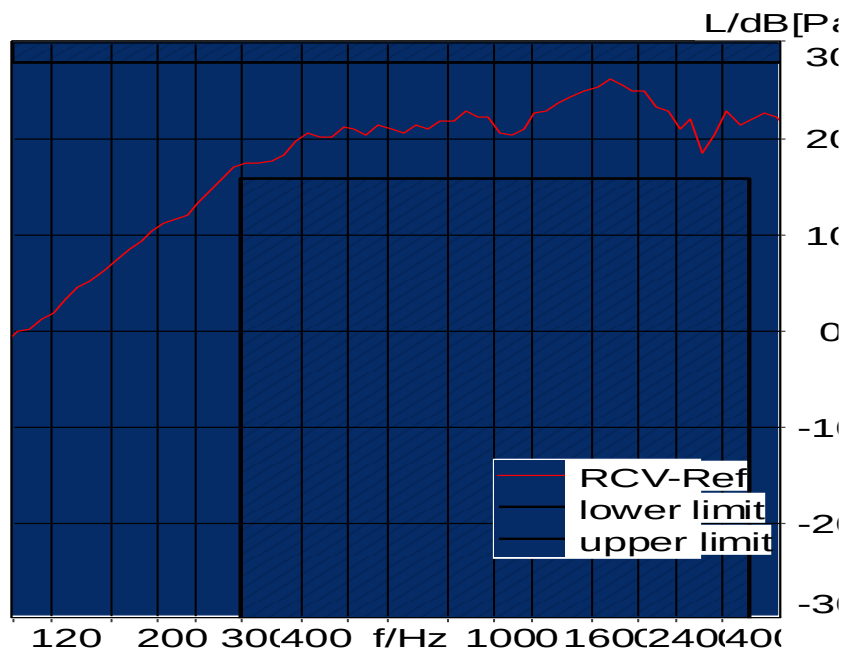
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.04dB at 1250Hz.

2025-12-05 上午 08:19 ACQUA

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance

1.61 dB at 324.6 Hz Ok

Ok

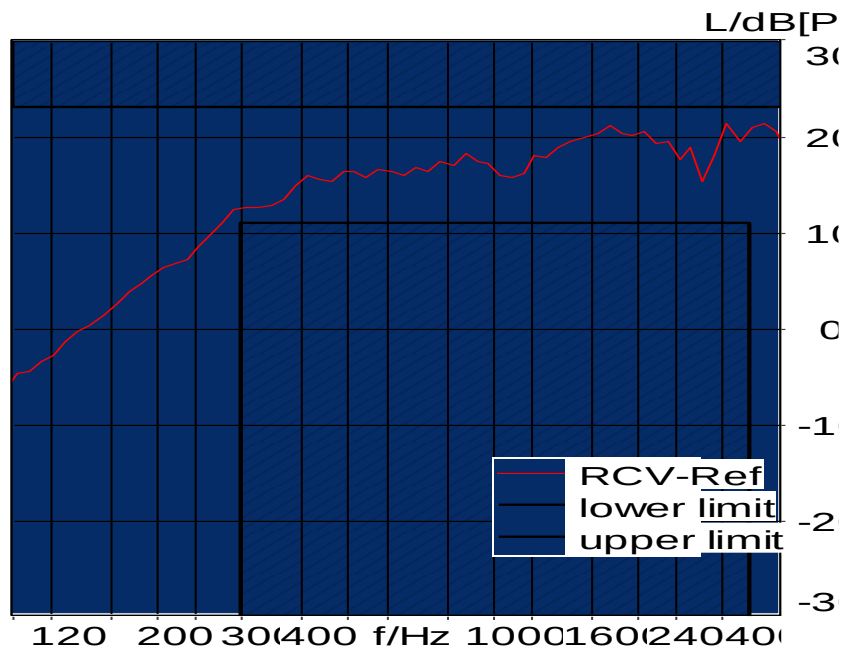
2025-12-05 上午 08:09 ACQUA 6.1.110

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance

1.62 dB at 324.6 Hz Ok

Ok

2025-12-05 上午 08:19 ACQUA 6.1.110

Limits

lower
Fit into tolerance



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



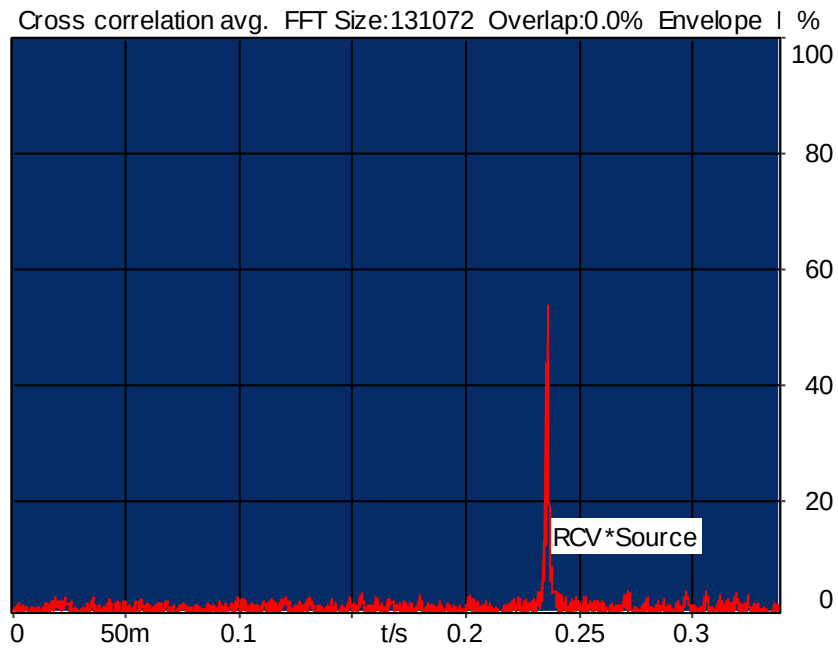
#4 GSM1900 AMR WB 12.65kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	236.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.64
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	84.30



Overall Receive Delay WB

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

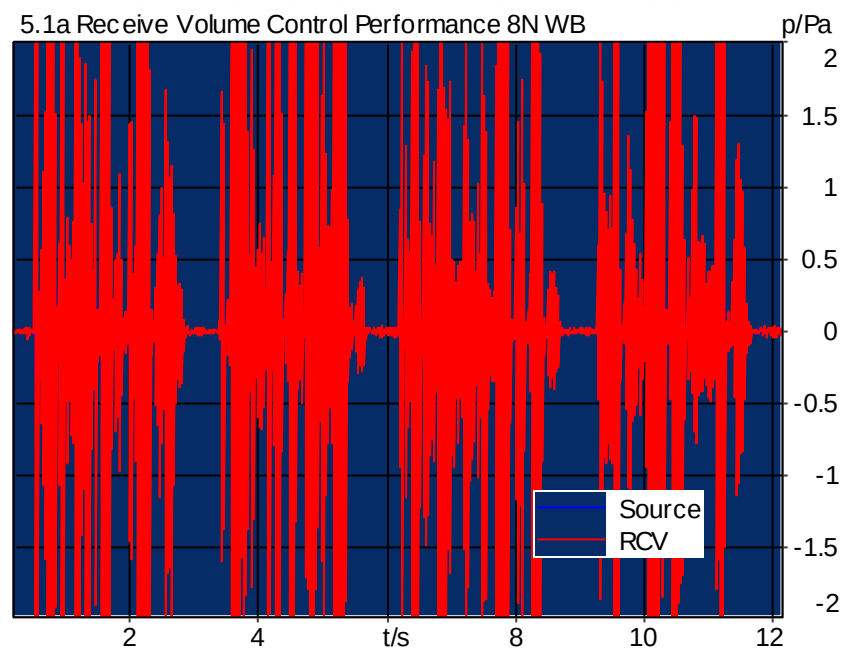


Channel	Delay	Correlation
RCV*Source	236.7 ms	53.98 %

2025-12-03 下午 09:07 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	89.64 dB[SPL]	80.40%	Ok

Ok

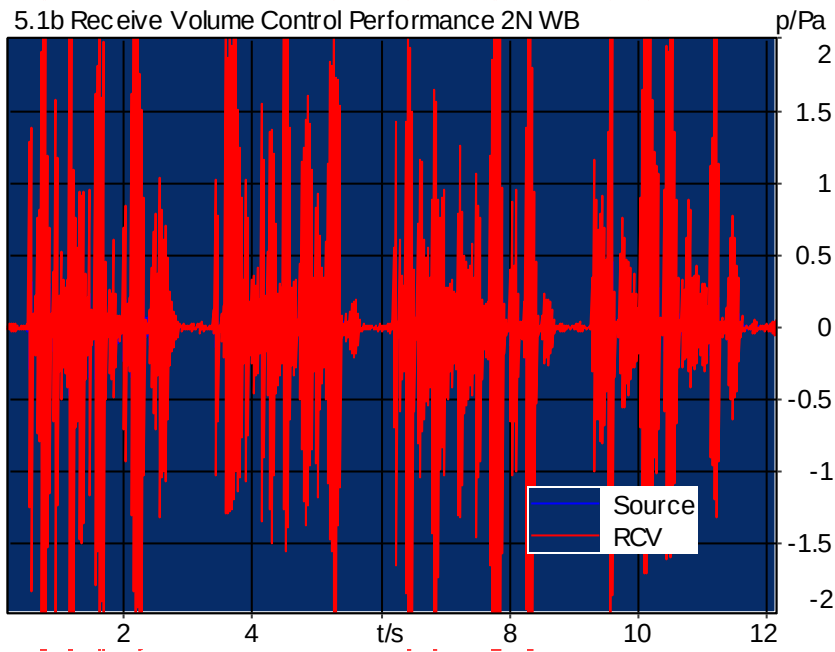
2025-12-03 下午 09:09 ACQUA 6.1.110

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	84.30 dB[SPL]	80.49%	Ok

Ok

2025-12-03 下午 09:07 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



#5 WCDMA V AMR WB 6.60kbps

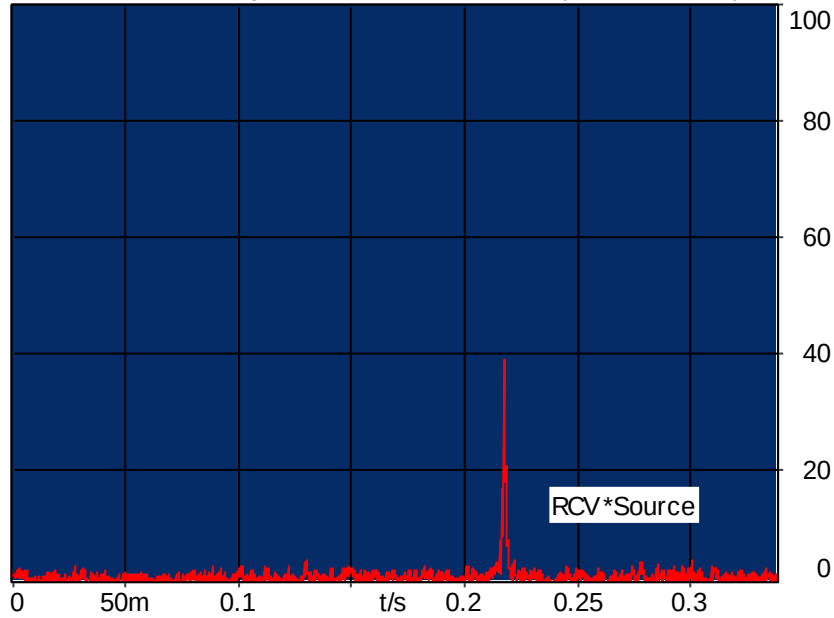
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	217.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.44
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	84.01



Overall Receive Delay WB

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

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

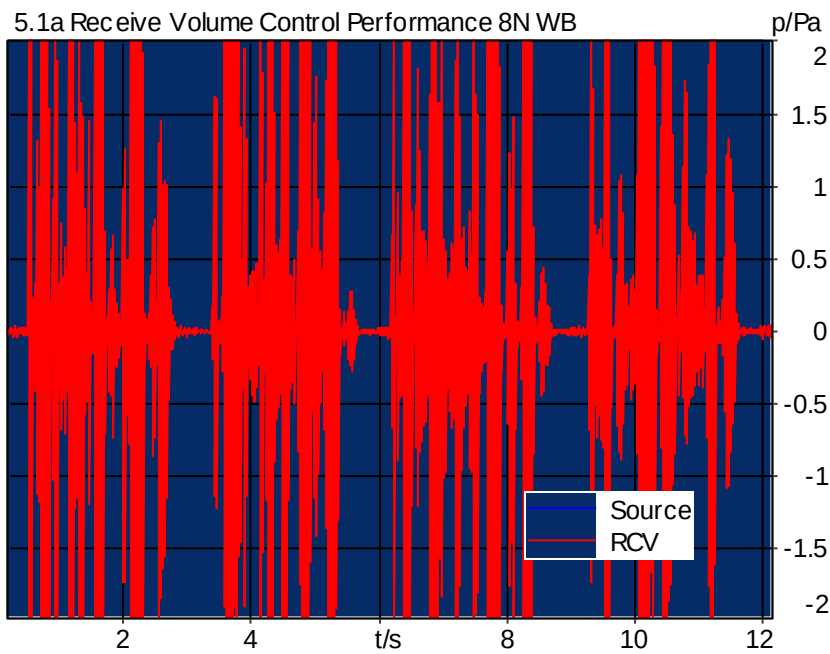


Channel	Delay	Correlation
RCV*Source	217.7 ms	38.88 %

2025-12-03 下午 10:46 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	89.44 dB[SPL]	79.91%	Ok

Ok

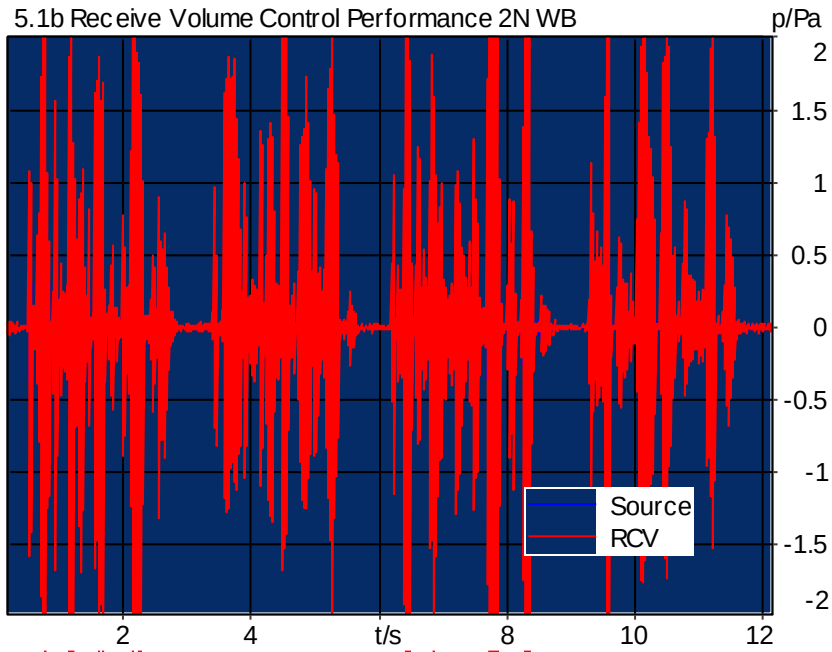
2025-12-03 下午 10:47 ACQUA 6.1.110

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	84.01 dB[SPL]	80.22%	Ok

Ok

2025-12-03 下午 10:47 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



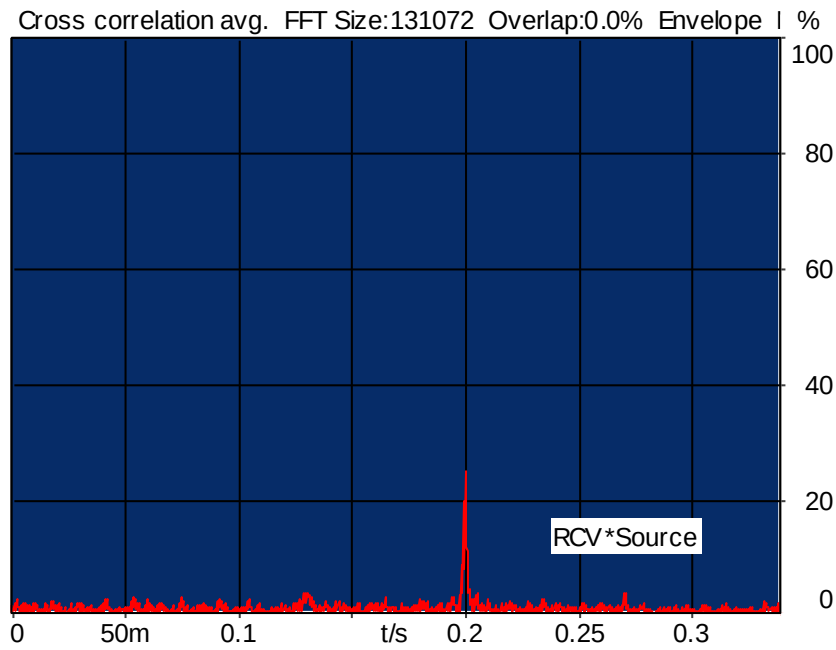
#6 LTE Band 7 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	200.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.11
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	83.96



Overall Receive Delay WB

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

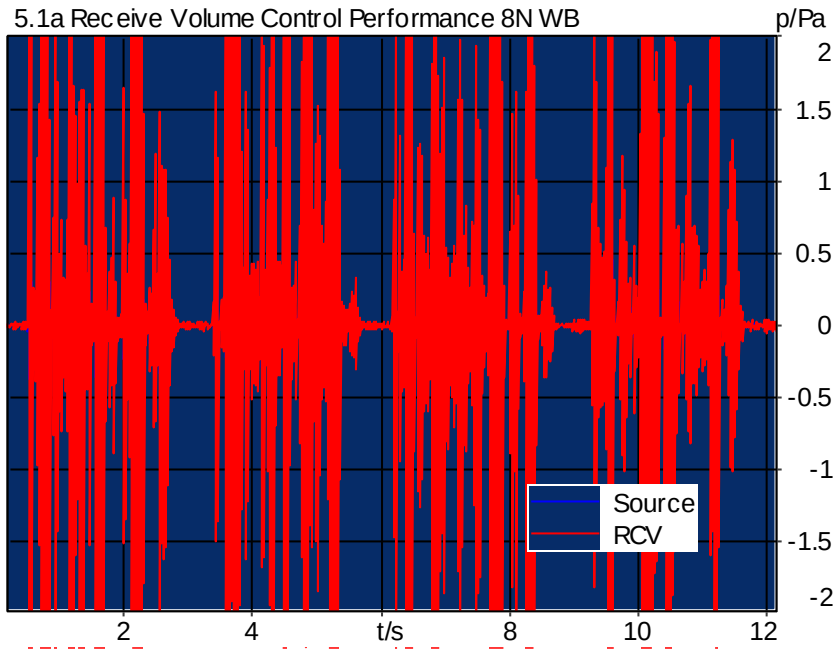


Channel	Delay	Correlation
RCV*Source	200.0 ms	25.02 %

2025-12-03 下午 11:43 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	89.11 dB[SPL]	80.34%	Ok

Ok

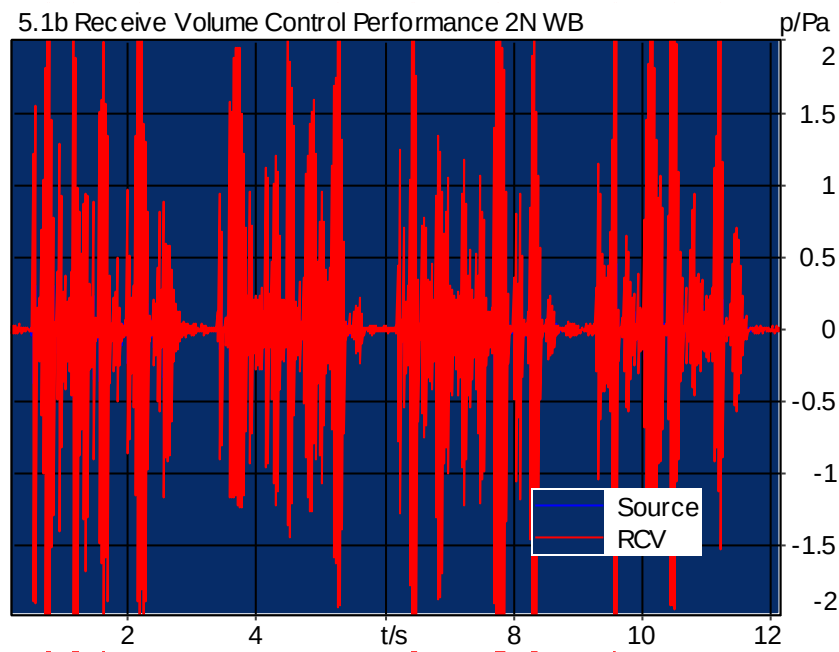
2025-12-03 下午 11:45 ACQUA 6.1.110

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	83.96 dB[SPL]	80.34%	Ok

Ok

2025-12-03 下午 11:46 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



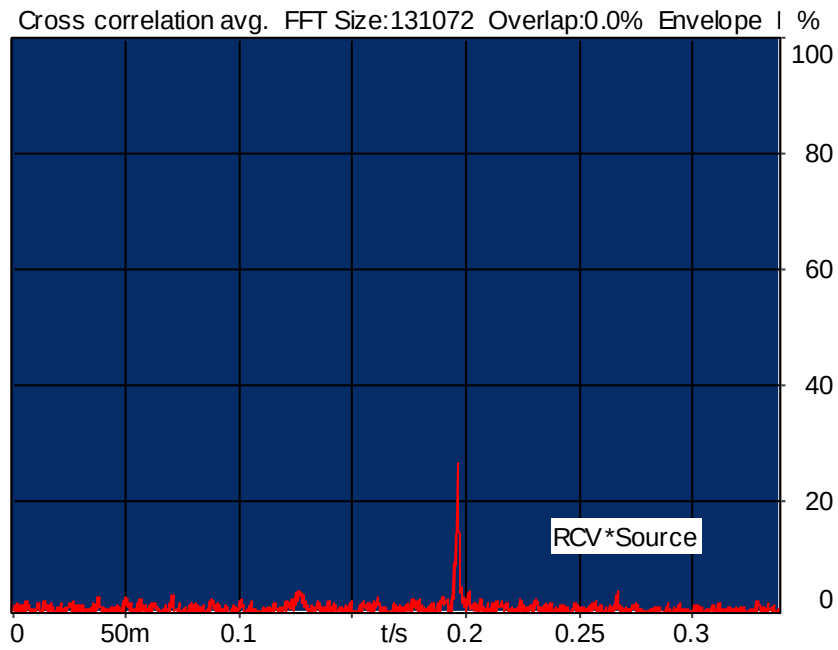
#7 FR1 n66 AMR WB 6.60kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	196.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.21
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	84.29



Overall Receive Delay WB

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

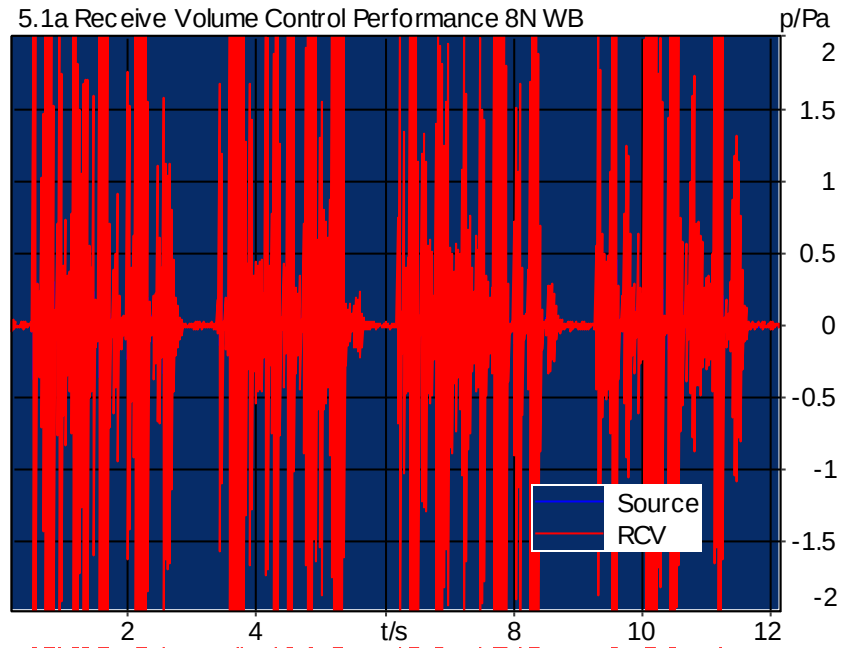


Channel	Delay	Correlation
RCV*Source	196.5 ms	26.48 %

2025-12-11 上午 01:22 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	89.21 dB[SPL]	80.43%	Ok

Ok

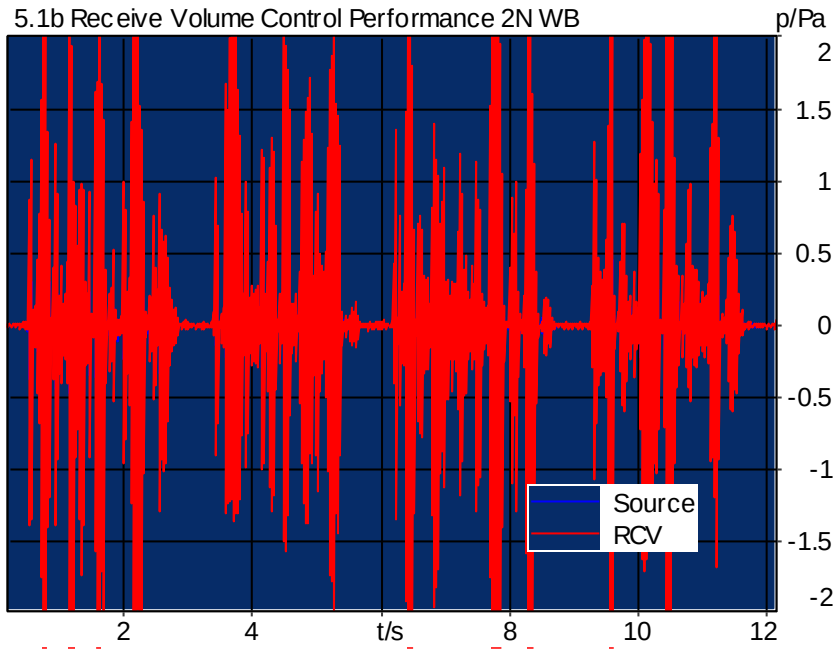
2025-12-11 上午 01:24 ACQUA 6.1.110

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	84.29 dB[SPL]	80.55%	Ok

Ok

2025-12-11 上午 01:23 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]



#8 WiFi 5GHz AMR WB 6.60kbps

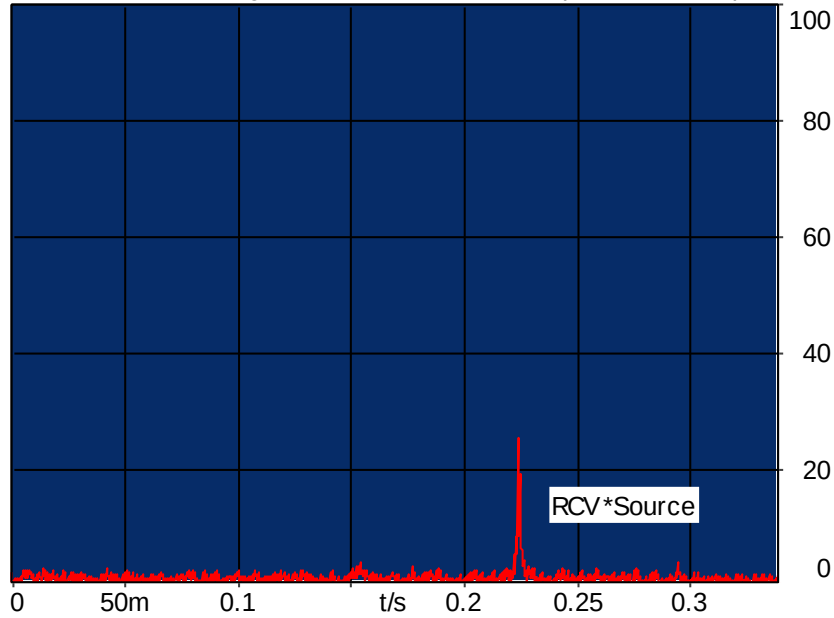
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	224.5
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.06
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	83.66



Overall Receive Delay NB

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

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

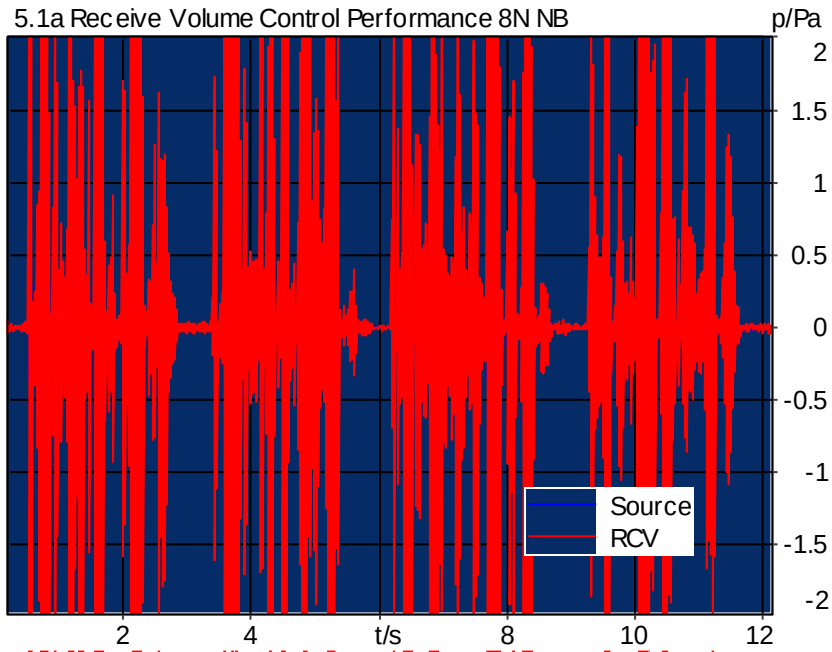


Channel	Delay	Correlation
RCV*Source	224.5 ms	25.59 %

2025-12-04 上午 09:48 ACQUA 6.1.110

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	89.06 dB[SPL]	80.44%	Ok

Ok

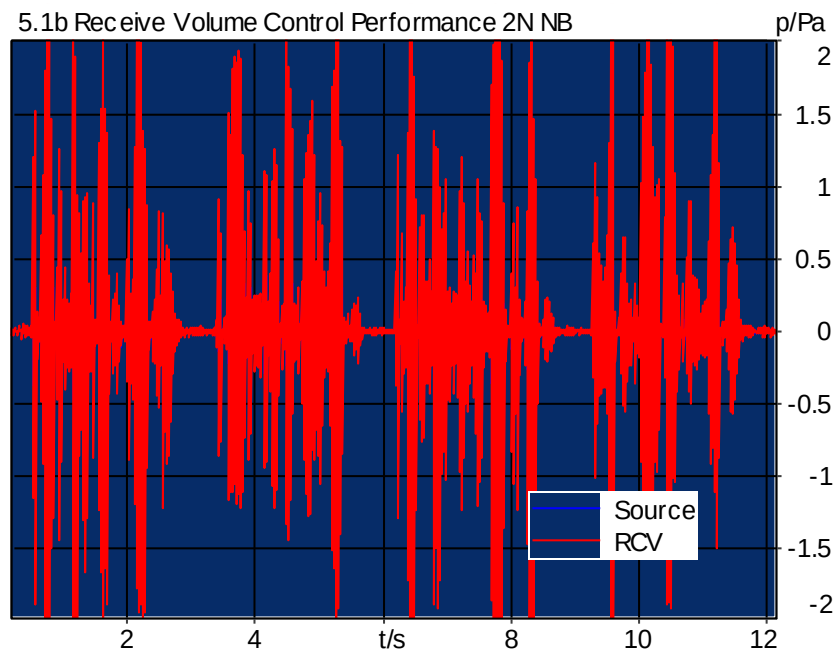
2025-12-04 上午 09:49 ACQUA 6.1.110

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	83.66 dB[SPL]	80.15%	Ok

Ok

2025-12-04 上午 09:49 ACQUA 6.1.110

Limits

lower
76.00 dB[SPL]