



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.a>

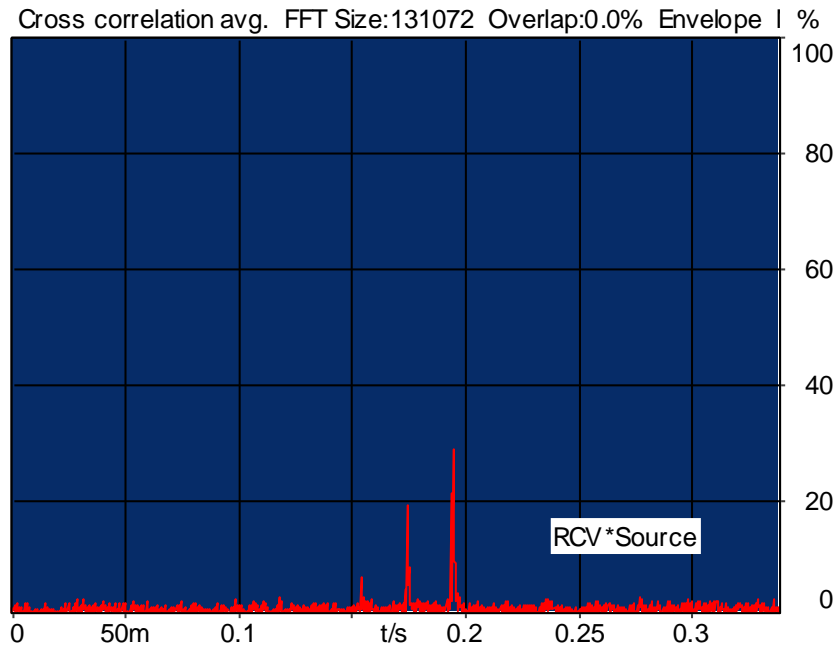
#1 WLAN 6GHz EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	194.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	93.02
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.56
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.95
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.65
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.66
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.67
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.06
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.29
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.68
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.92
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.00
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.67
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.04
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.04
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.28
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.68
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.23
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.18
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.62
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.18
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.43
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.84
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.22
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.09
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.83
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.77
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.80
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.77
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.12
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.73
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 649.1 Hz	1.57
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	0.81



Overall Receive Delay WB

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

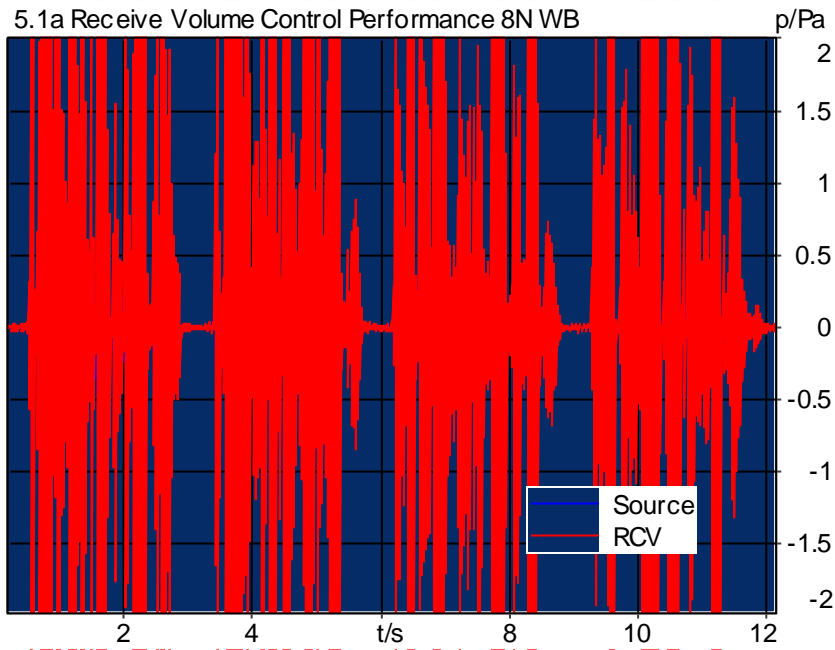


Channel	Delay	Correlation
RCV*Source	194.5 ms	28.72 %

2024-10-28 下午 07:18 ACQUA 6.1.100

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	93.02 dB[SPL]	83.72%	Ok

Ok

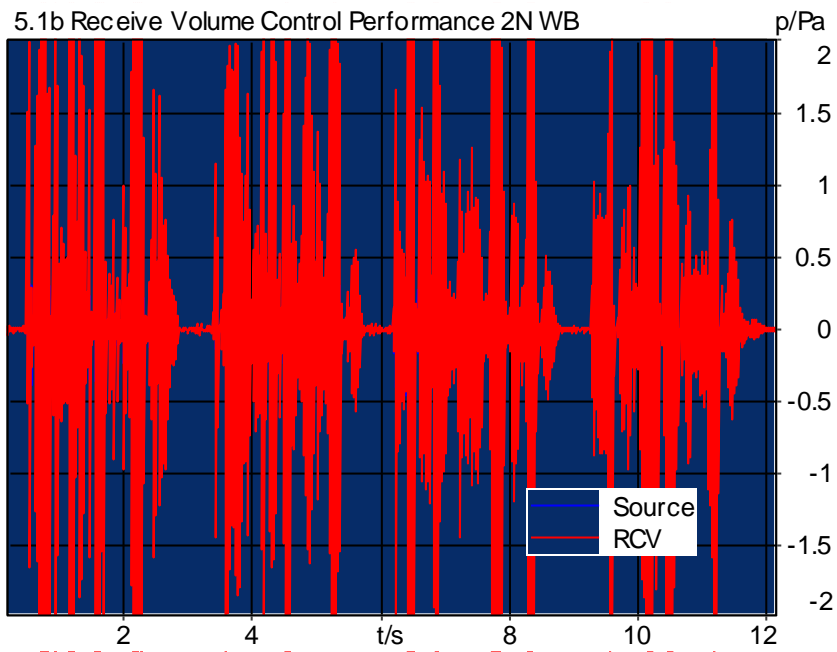
2024-10-28 下午 07:31 ACQUA 6.1.100

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	86.56 dB[SPL]	84.25%	Ok

Ok

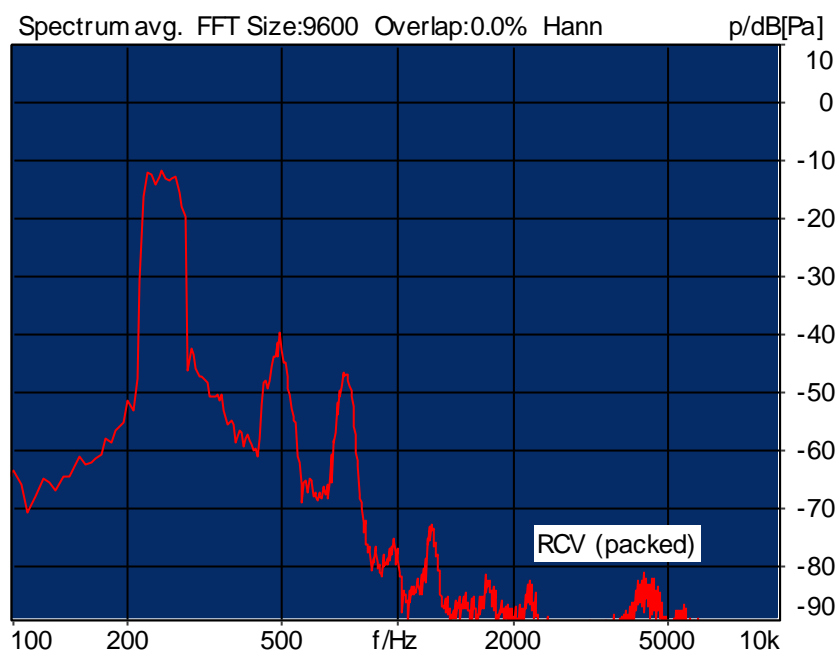
2024-10-28 下午 07:18 ACQUA 6.1.100

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 250 Hz WB

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



Distortion (Noise) RCV (packed): 30.95 dB (2.84%) Ok

Ok

2024-10-28 下午 07:32 ACQUA 6.1.100

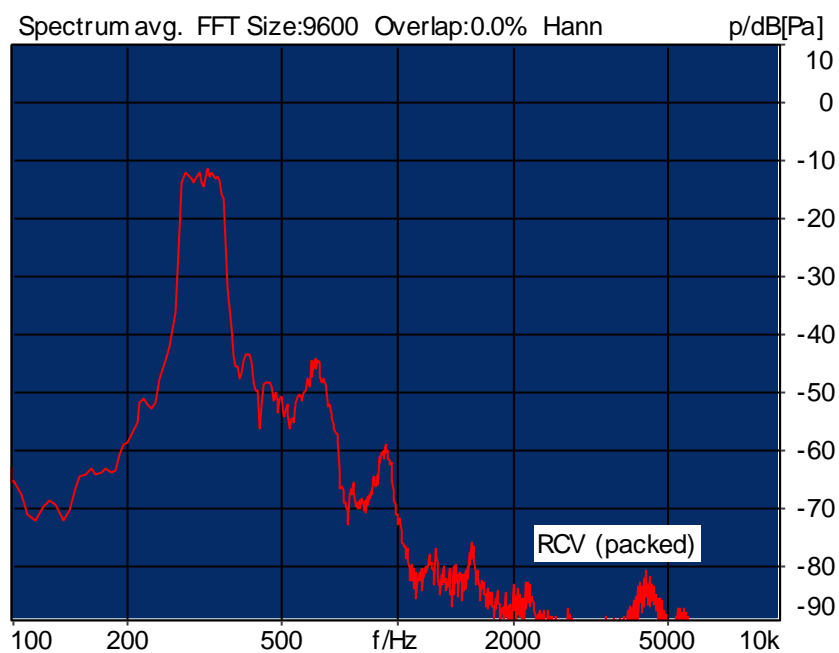
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz WB

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



Distortion (Noise) RCV (packed): 32.65 dB (2.33%) Ok

Ok

2024-10-28 下午 07:33 ACQUA 6.1.100

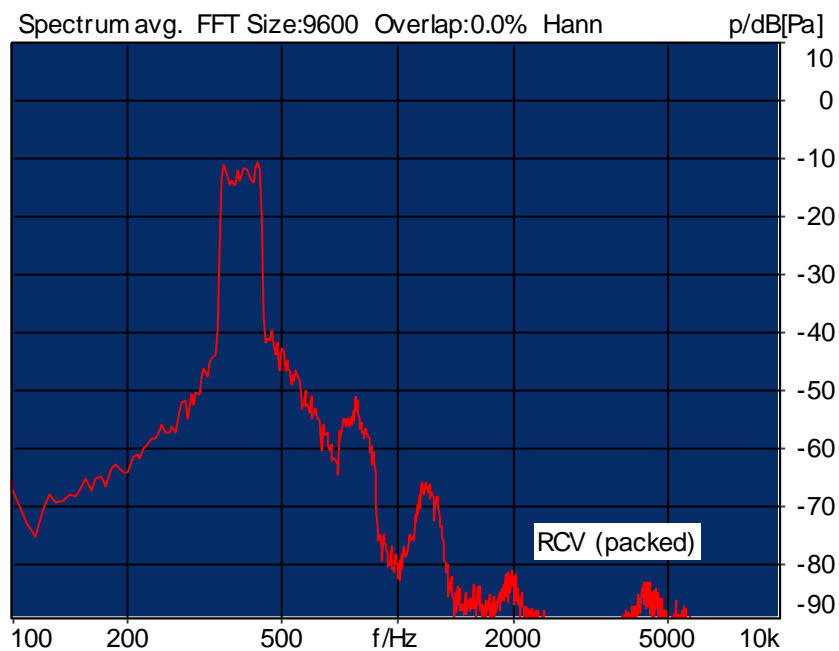
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 400 Hz WB

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



Distortion (Noise) RCV (packed): 34.66 dB (1.85%) Ok

Ok

2024-10-28 下午 07:33 ACQUA 6.1.100

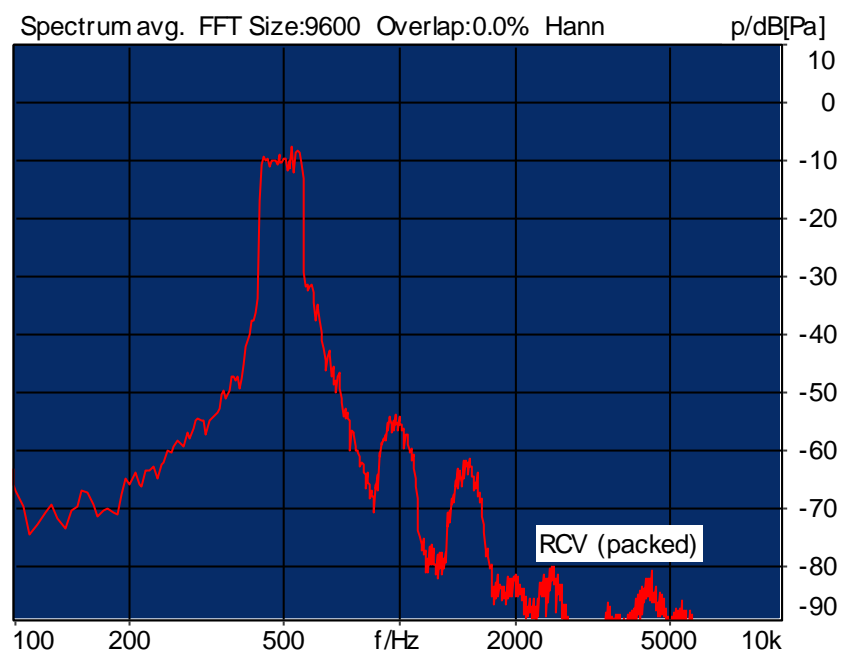
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz WB

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



Distortion (Noise) RCV (packed): 32.67 dB (2.33%) Ok

Ok

2024-10-28 下午 07:34 ACQUA 6.1.100

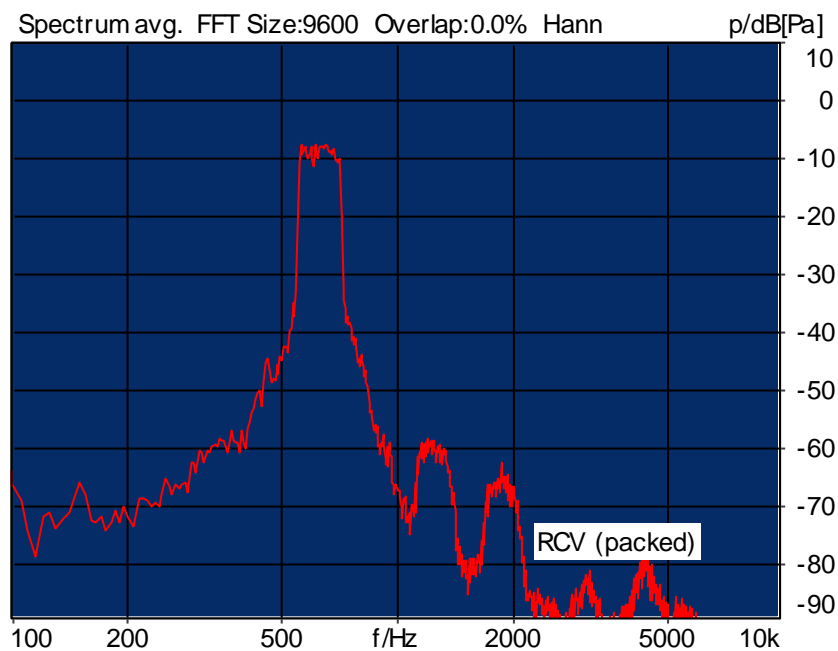
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz WB

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



Distortion (Noise) RCV (packed): 36.06 dB (1.57%) Ok

Ok

2024-10-28 下午 07:34 ACQUA 6.1.100

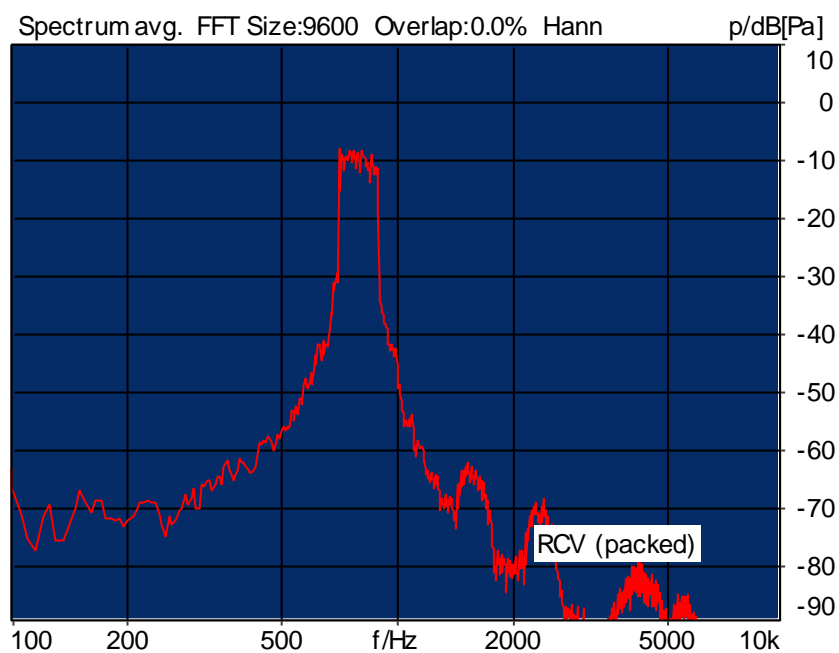
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 800 Hz WB

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



Distortion (Noise) RCV (packed): 33.29 dB (2.17%) Ok

Ok

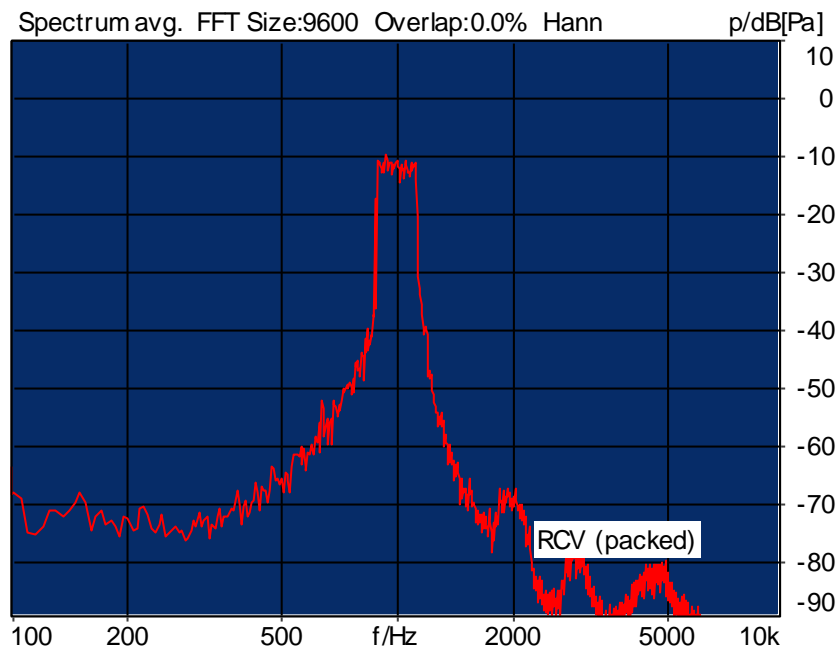
2024-10-28 下午 07:35 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz WB

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



Distortion (Noise) RCV (packed): 32.68 dB (2.32%) Ok

Ok

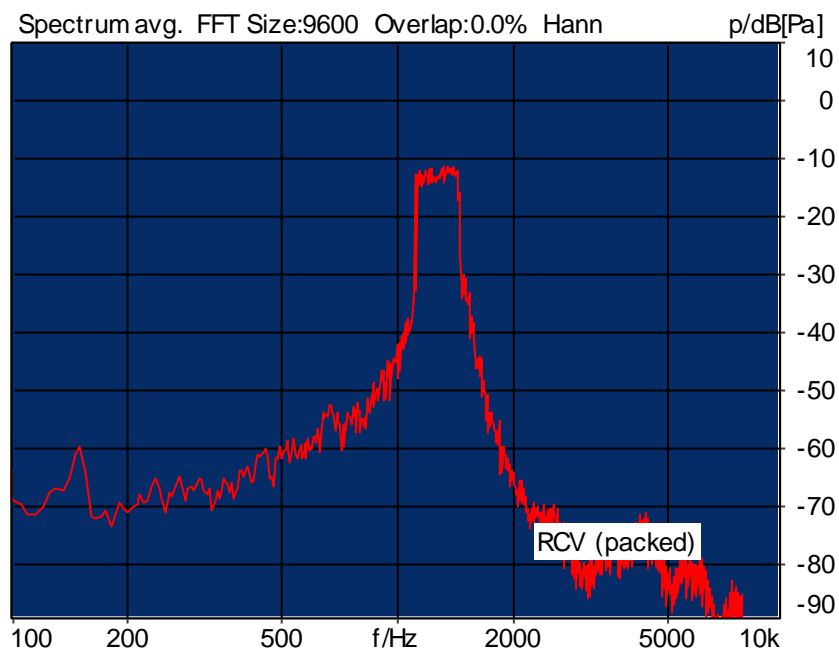
2024-10-28 下午 07:35 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz WB

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



Distortion (Noise) RCV (packed): 22.92 dB (7.15%) Ok

Ok

2024-10-28 下午 07:36 ACQUA 6.1.100

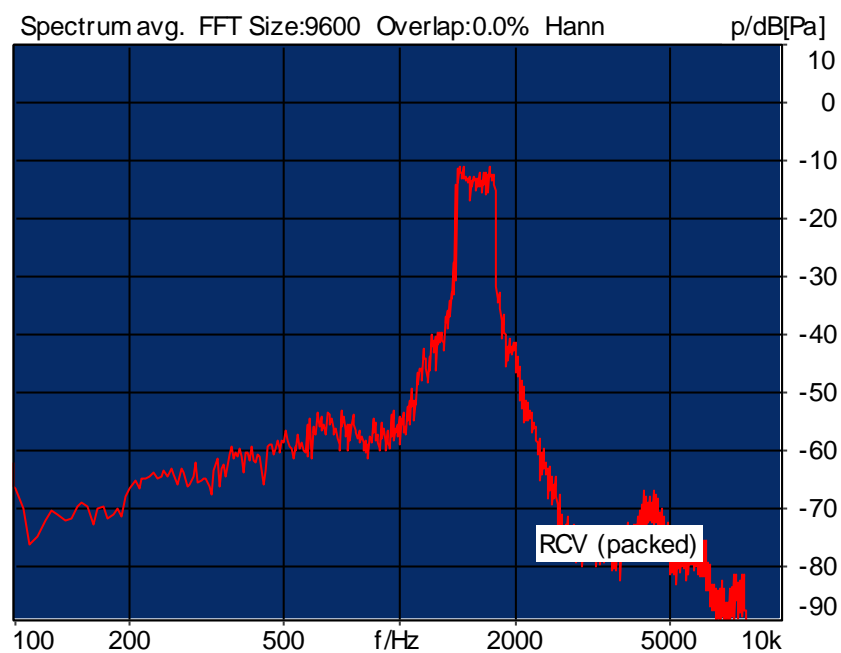
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz WB

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



Distortion (Noise) RCV (packed): 25.00 dB (5.62%) Ok

Ok

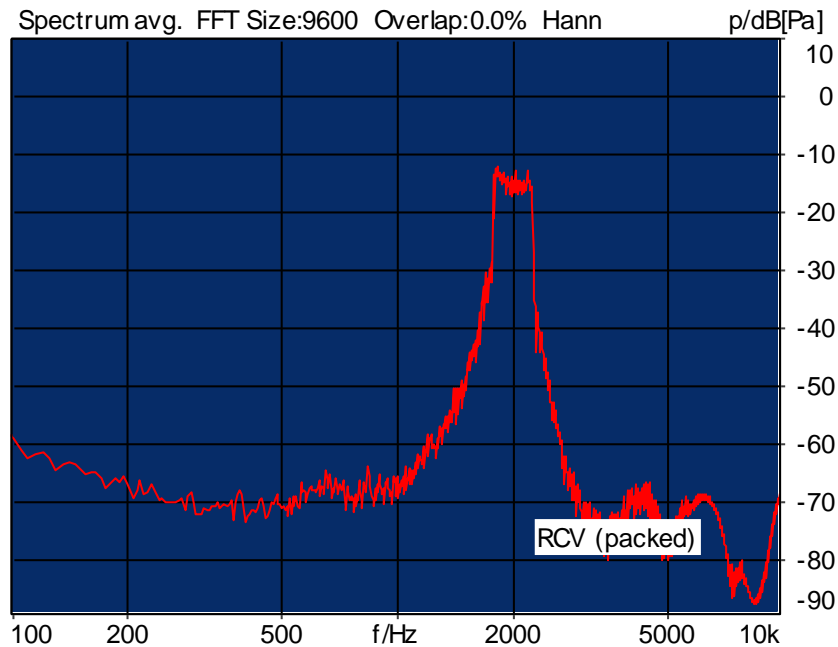
2024-10-28 下午 07:36 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz WB

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



Distortion (Noise) RCV (packed): 22.67 dB (7.36%) Ok

Ok

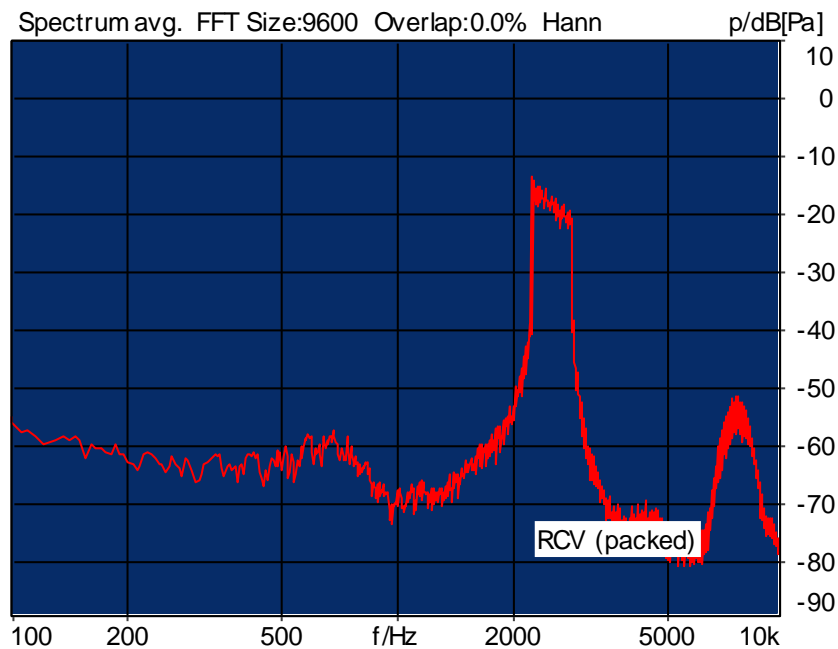
2024-10-28 下午 07:37 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz WB

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



Distortion (Noise) RCV (packed): 28.04 dB (3.96%) Ok

Ok

2024-10-28 下午 07:38 ACQUA 6.1.100

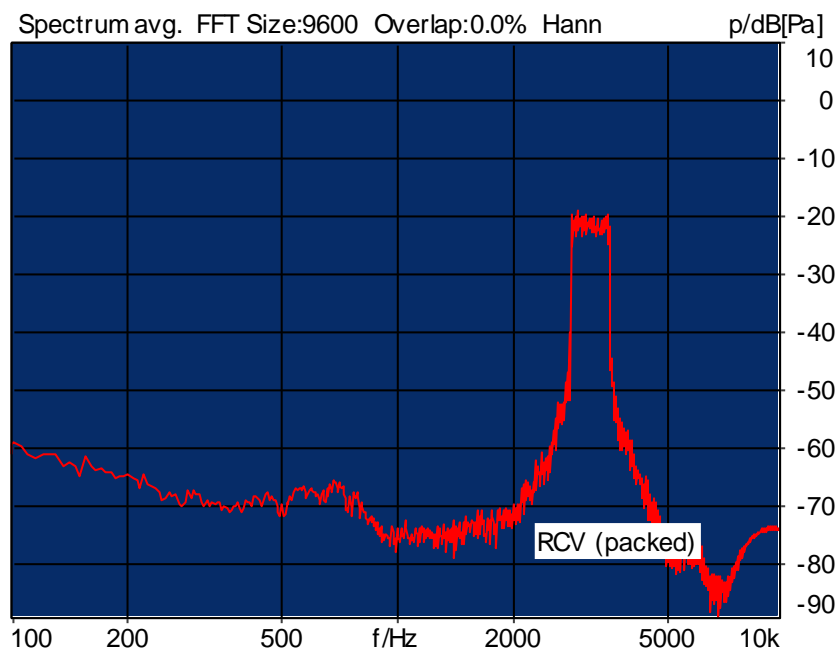
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz WB

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



Distortion (Noise) RCV (packed): 31.04 dB (2.81%) Ok

Ok

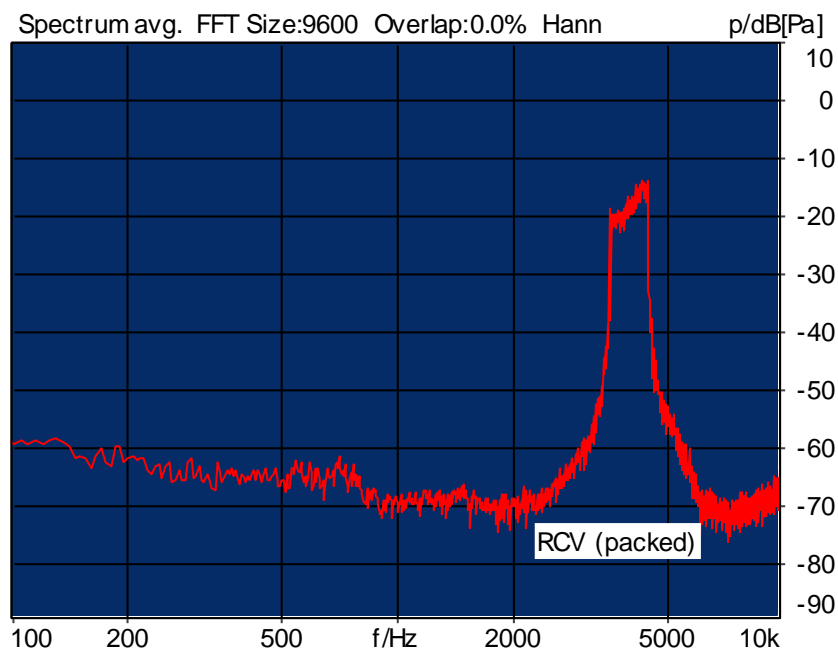
2024-10-28 下午 07:38 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 4000 Hz WB

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



Distortion (Noise) RCV (packed): 27.28 dB (4.33%) Ok

Ok

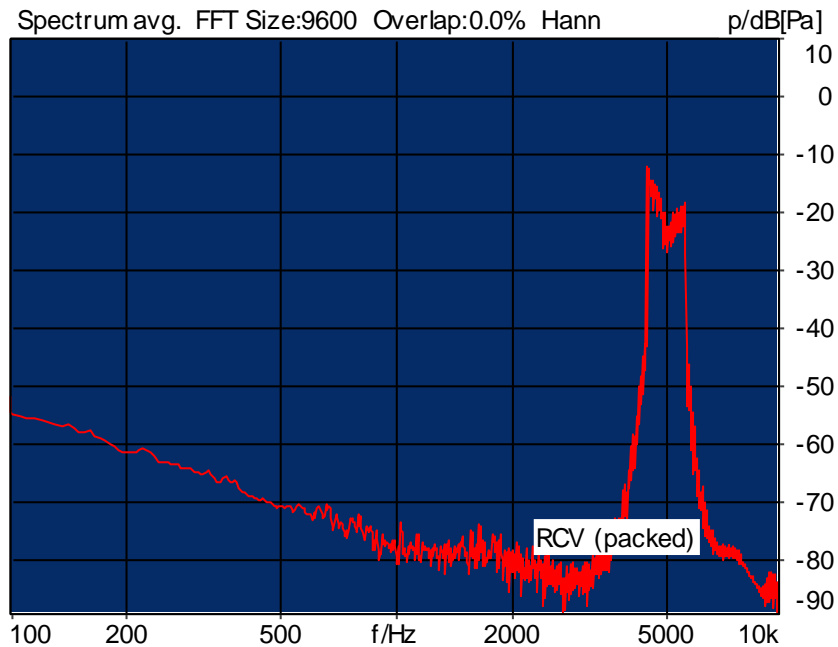
2024-10-28 下午 07:39 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 5000 Hz WB

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



Distortion (Noise) RCV (packed): 33.68 dB (2.07%) Ok

Ok

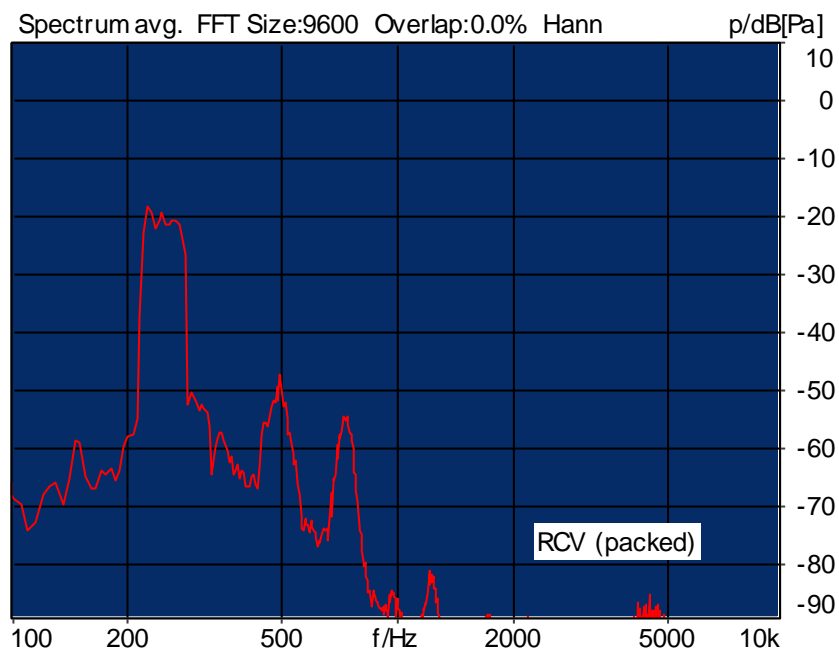
2024-10-28 下午 07:39 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 250 Hz WB

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



Distortion (Noise) RCV (packed): 31.23 dB (2.75%) Ok

Ok

2024-10-28 下午 07:19 ACQUA 6.1.100

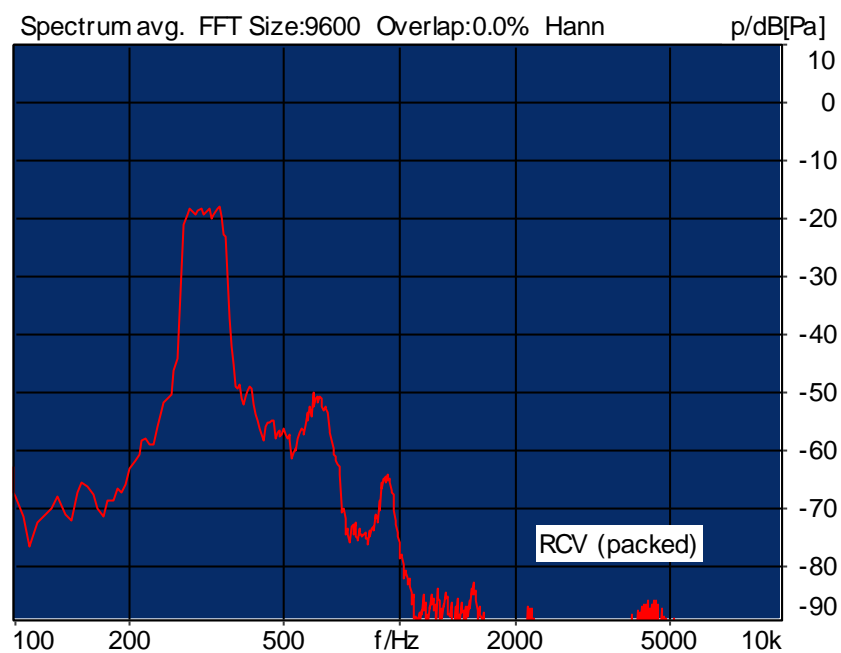
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 315 Hz WB

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



Distortion (Noise) RCV (packed): 32.18 dB (2.46%) Ok

Ok

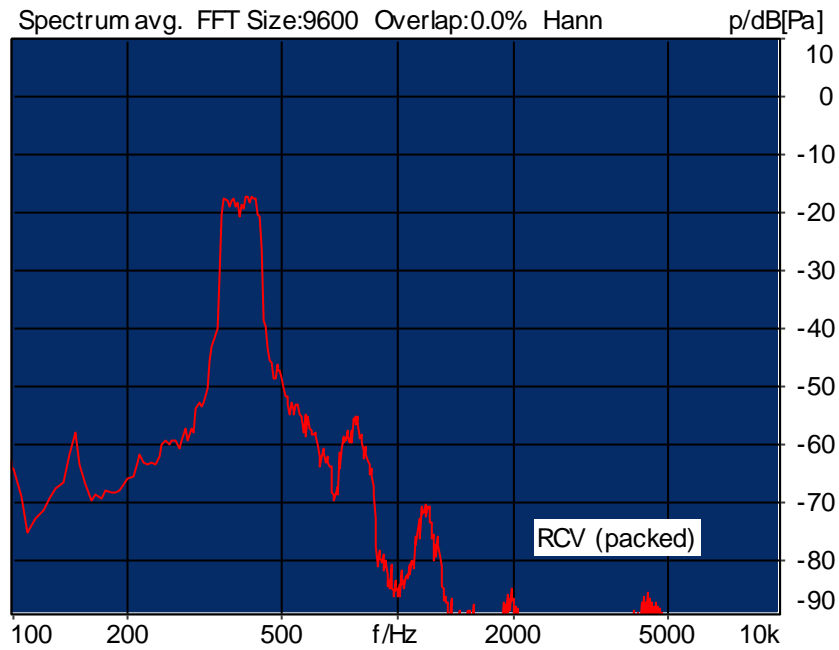
2024-10-28 下午 07:20 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 400 Hz WB

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



Distortion (Noise) RCV (packed): 33.62 dB (2.08%) Ok

Ok

2024-10-28 下午 07:20 ACQUA 6.1.100

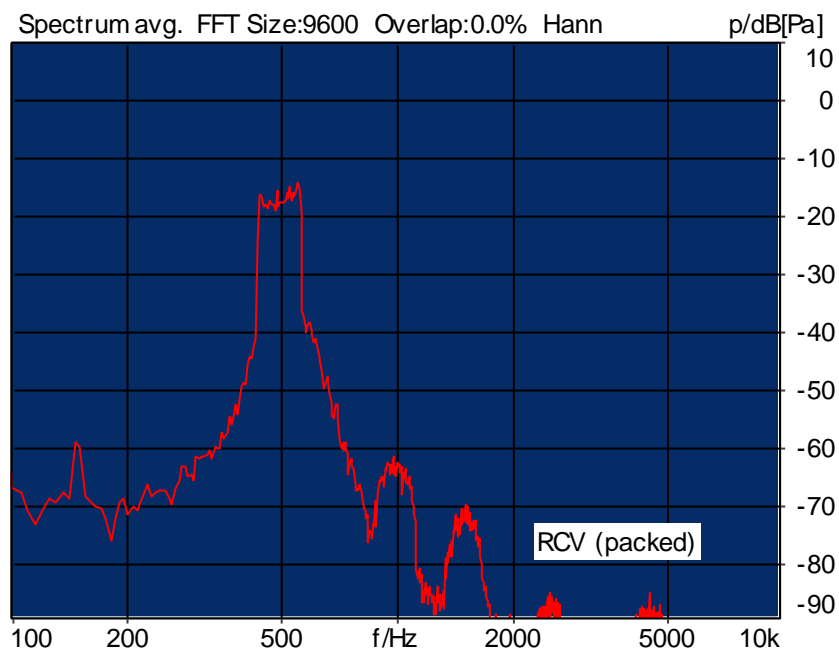
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 500 Hz WB

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



Distortion (Noise) RCV (packed): 31.18 dB (2.76%) Ok

Ok

2024-10-28 下午 07:21 ACQUA 6.1.100

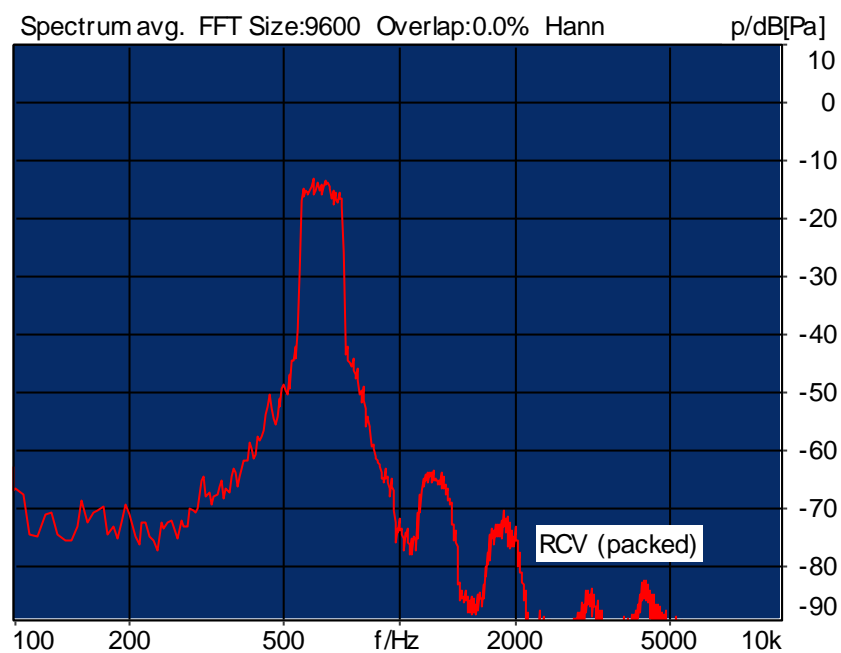
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 630 Hz WB

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



Distortion (Noise) RCV (packed): 35.43 dB (1.69%) Ok

Ok

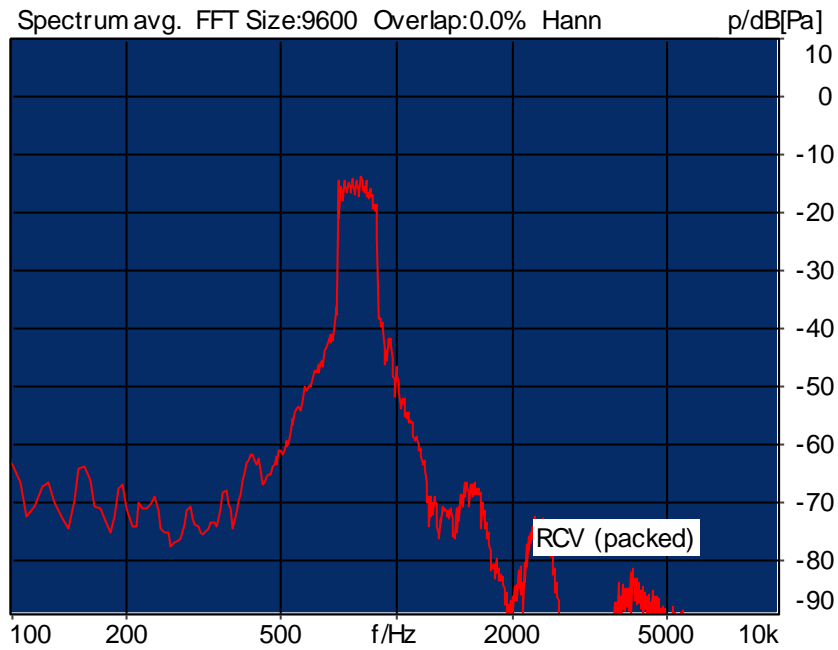
2024-10-28 下午 07:21 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz WB

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



Distortion (Noise) RCV (packed): 29.84 dB (3.22%) Ok

Ok

2024-10-28 下午 07:22 ACQUA 6.1.100

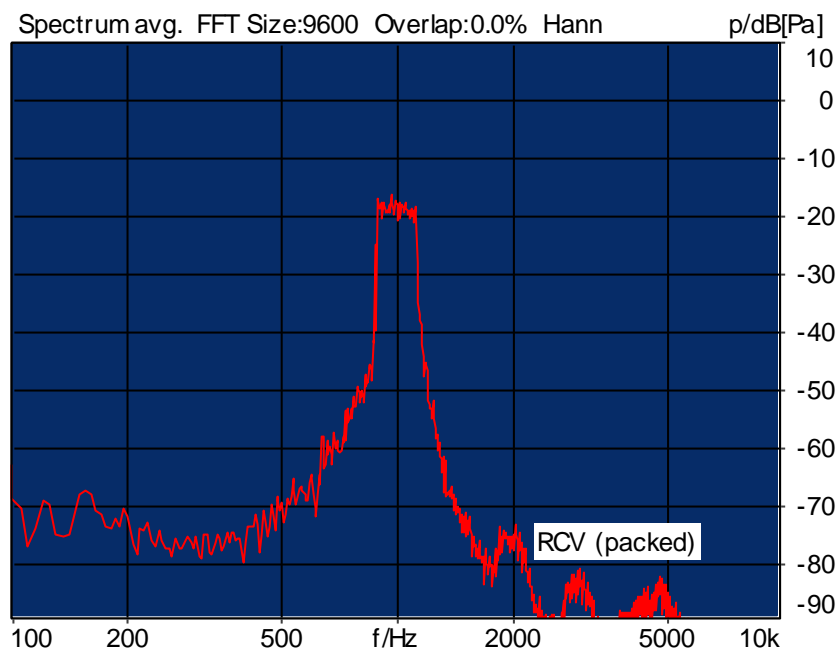
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1000 Hz WB

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



Distortion (Noise) RCV (packed): 31.22 dB (2.75%) Ok

Ok

2024-10-28 下午 07:22 ACQUA 6.1.100

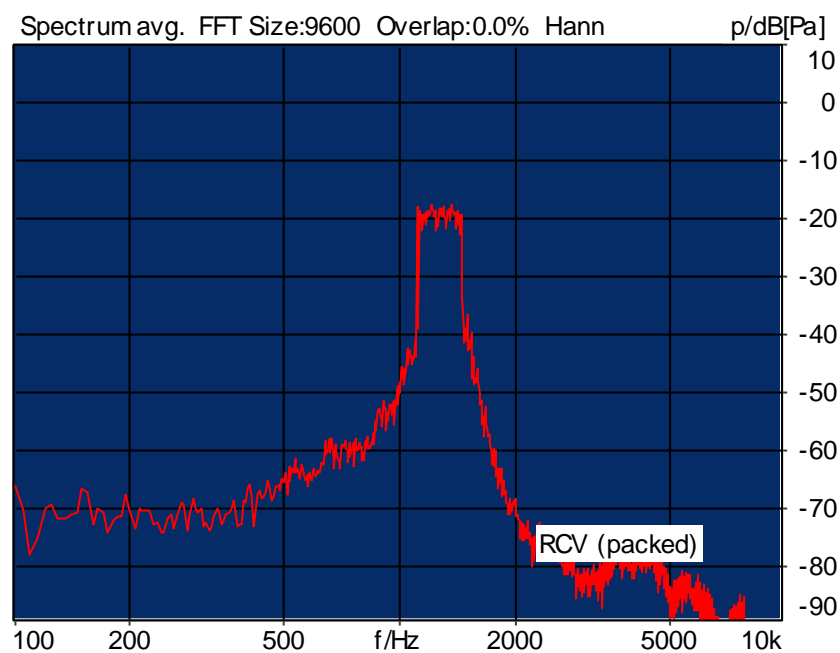
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1250 Hz WB

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



Distortion (Noise) RCV (packed): 23.09 dB (7.01%) Ok

Ok

2024-10-28 下午 07:23 ACQUA 6.1.100

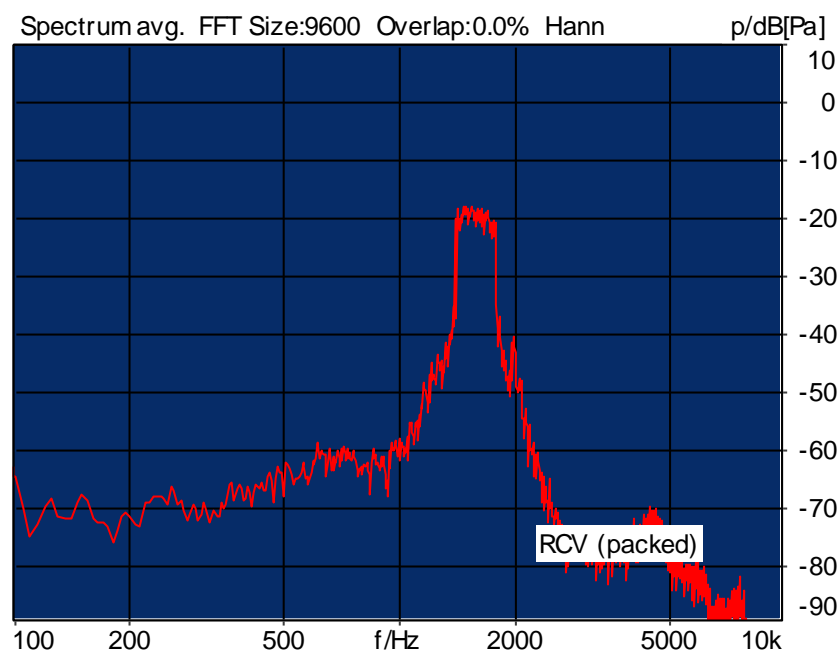
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 1600 Hz WB

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



Distortion (Noise) RCV (packed): 22.83 dB (7.22%) Ok

Ok

2024-10-28 下午 07:23 ACQUA 6.1.100

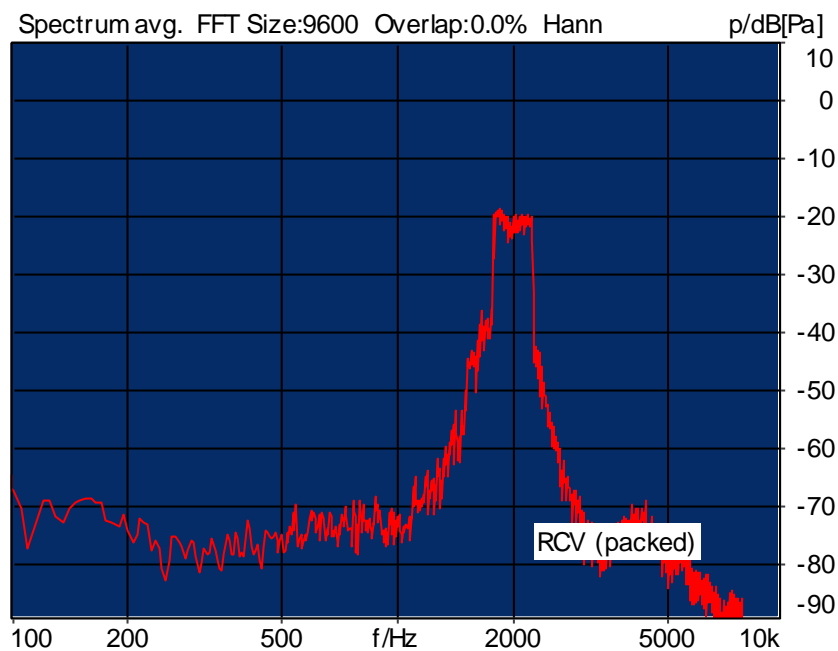
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 2000 Hz WB

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



Distortion (Noise) RCV (packed): 21.77 dB (8.16%) Ok

Ok

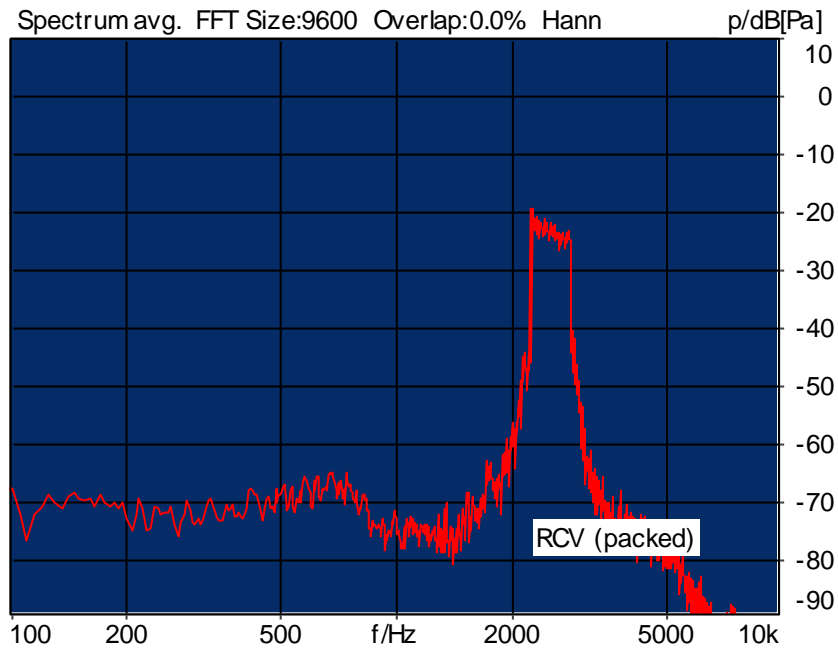
2024-10-28 下午 07:24 ACQUA 6.1.100

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz WB

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



Distortion (Noise) RCV (packed): 25.80 dB (5.13%) Ok

Ok

2024-10-28 下午 07:24 ACQUA 6.1.100

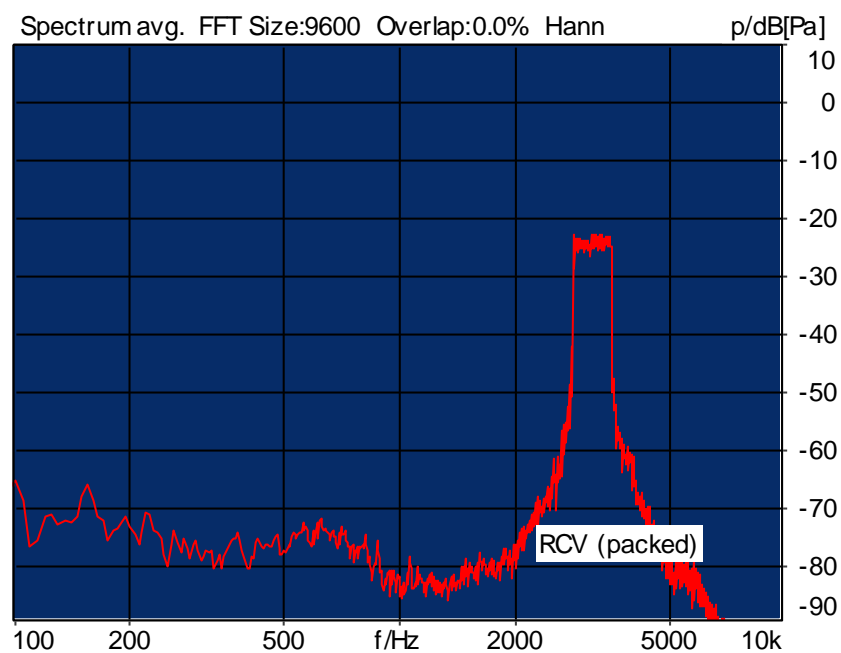
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 3150 Hz WB

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



Distortion (Noise) RCV (packed): 31.77 dB (2.58%) Ok

Ok

2024-10-28 下午 07:25 ACQUA 6.1.100

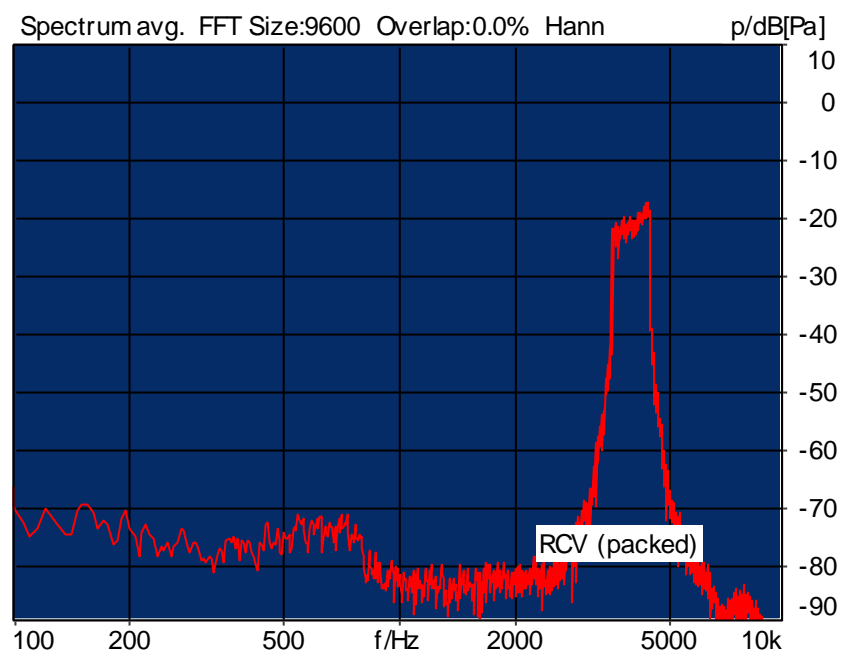
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 4000 Hz WB

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



Distortion (Noise) RCV (packed): 29.12 dB (3.50%) Ok

Ok

2024-10-28 下午 07:26 ACQUA 6.1.100

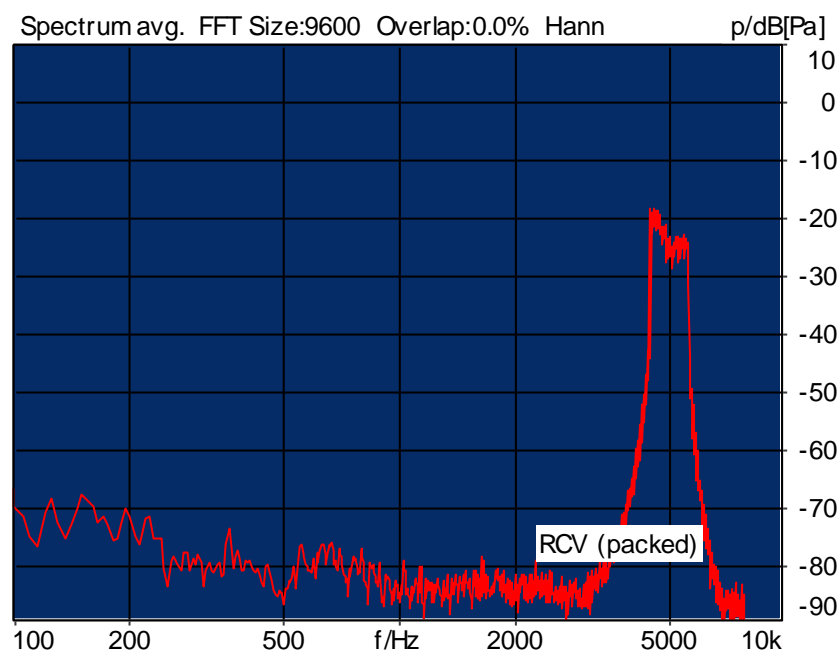
Limits

lower
20.00 dB



5.2 RCV Distortion and Noise - 5000 Hz WB

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



Distortion (Noise) RCV (packed): 31.73 dB (2.59%) Ok

Ok

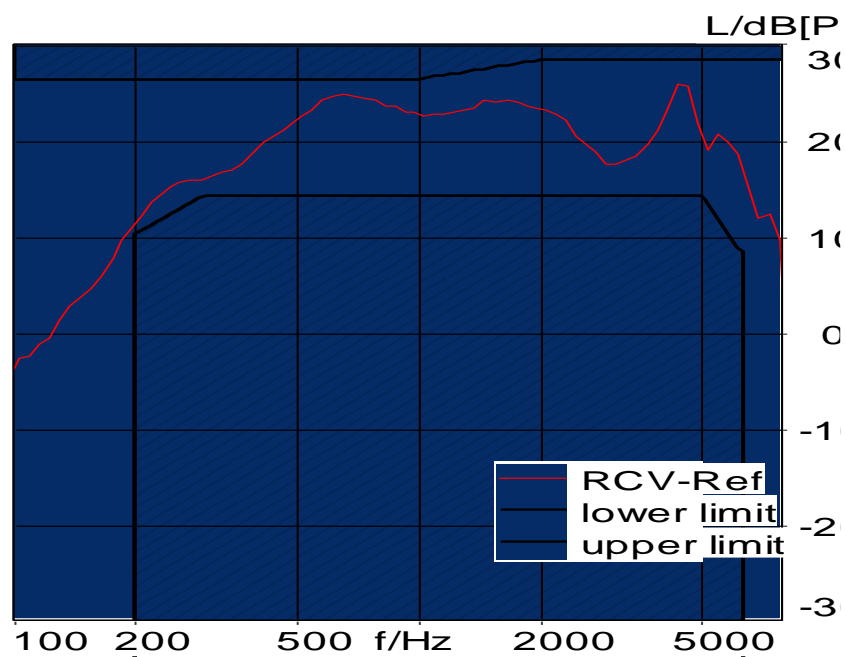
2024-10-28 下午 07:26 ACQUA 6.1.100

Limits

lower
20.00 dB

5.3 Frequency Response 8N FF

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



Absolute minimal distance

1.57 dB at 649.1 Hz Ok

Ok

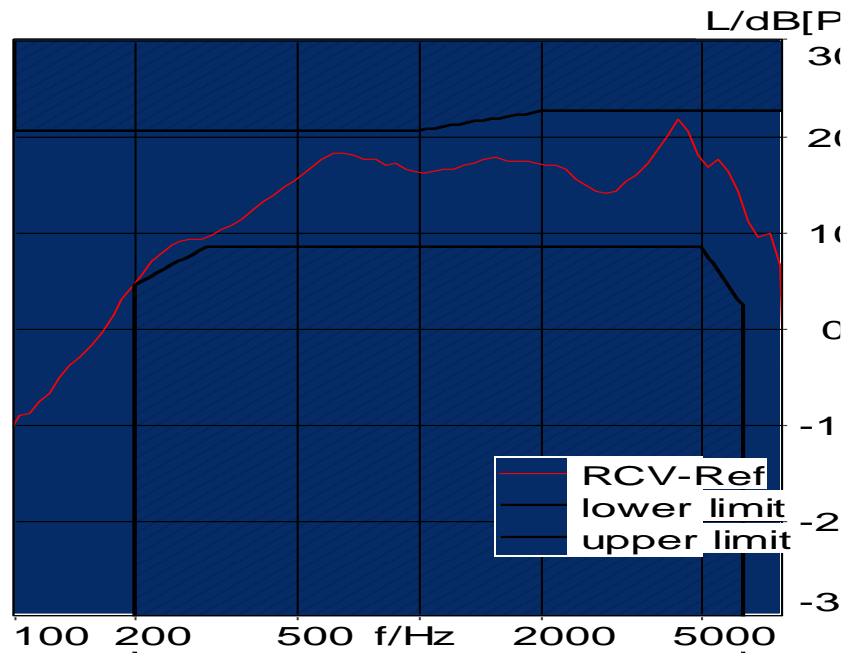
2024-10-28 下午 07:40 ACQUA 6.1.100

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N FF

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



Absolute minimal distance

0.81 dB at 4369.4 Hz Ok

Ok

2024-10-28 下午 07:28 ACQUA 6.1.100

Limits

lower
Fit into tolerance



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



#2 WLAN 6GHz AMR NB 4.75kbps

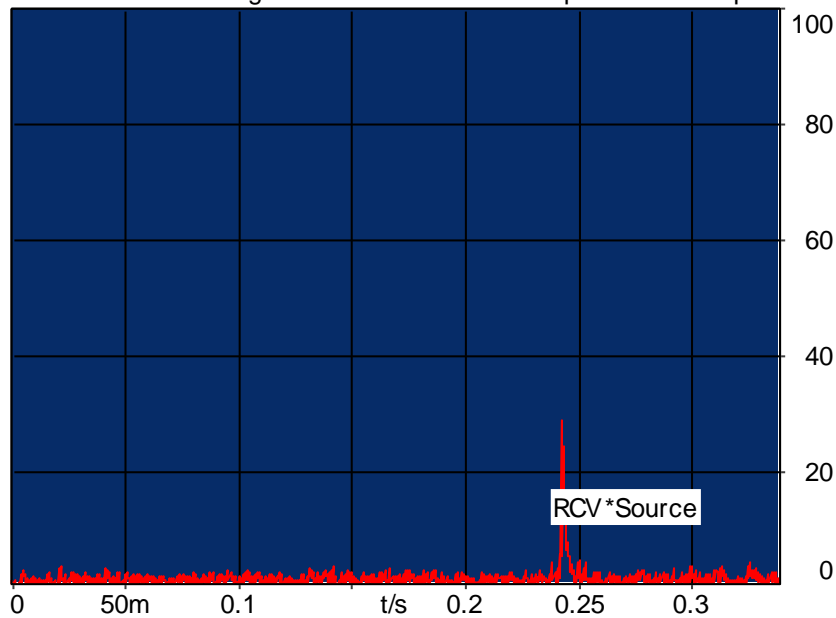
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	242.7
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	92.60
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	85.70



Overall Receive Delay NB

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

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

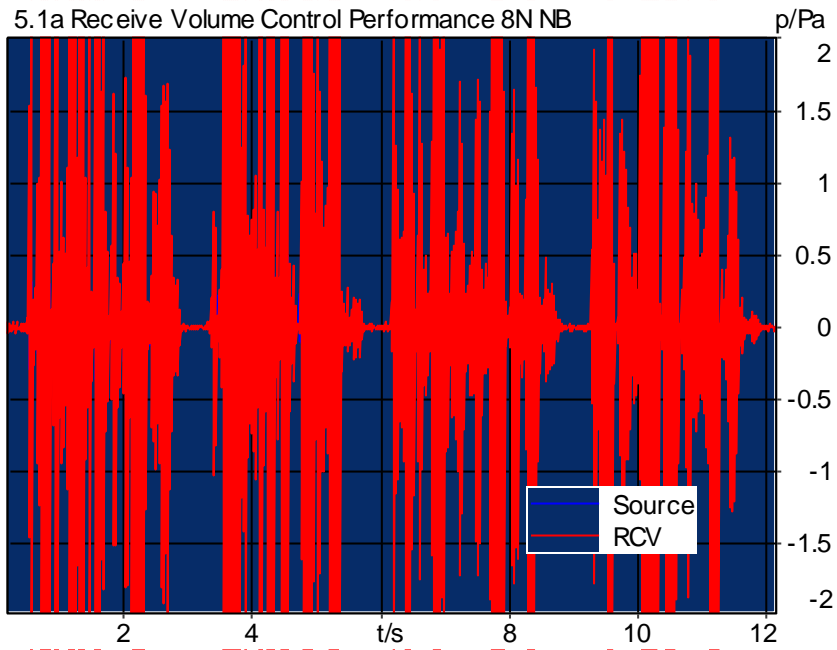


Channel	Delay	Correlation
RCV*Source	242.7 ms	29.06 %

2024-10-28 下午 08:11 ACQUA 6.1.100

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	92.60 dB[SPL]	79.93%	Ok

Ok

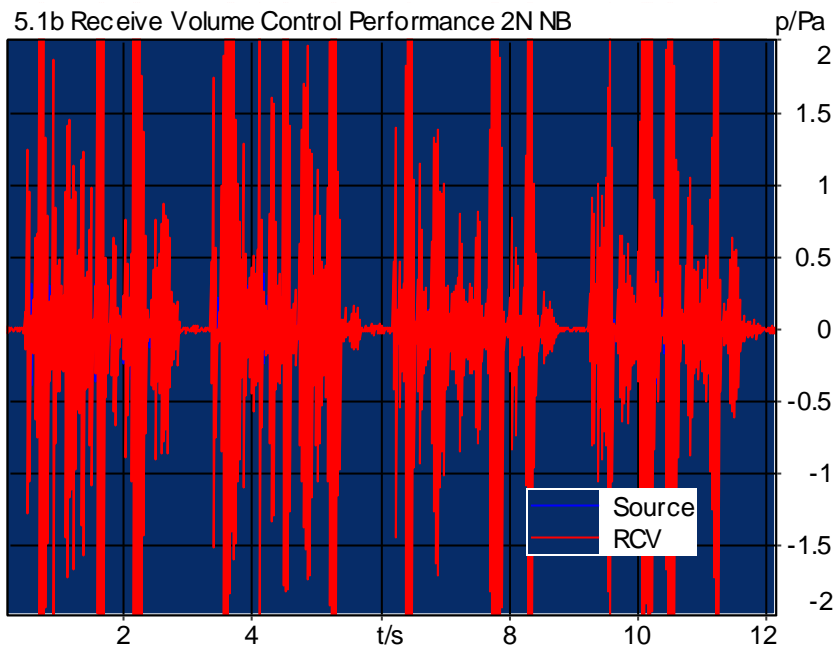
2024-10-28 下午 08:13 ACQUA 6.1.100

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	85.70 dB[SPL]	81.29%	Ok

Ok

2024-10-28 下午 08:11 ACQUA 6.1.100

Limits

lower
76.00 dB[SPL]