



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]	183.1
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	92.25
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.55
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.76
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.40
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.29
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.18
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.39
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.69
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.49
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.76
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.60
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.81
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.48
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.51
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.79
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.24
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.62
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.13
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.68
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.84
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.53
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.85
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.19
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.49
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.15
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.10
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.76
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.08
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.87
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.62
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 689.1 Hz	0.56
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 689.1 Hz	0.59

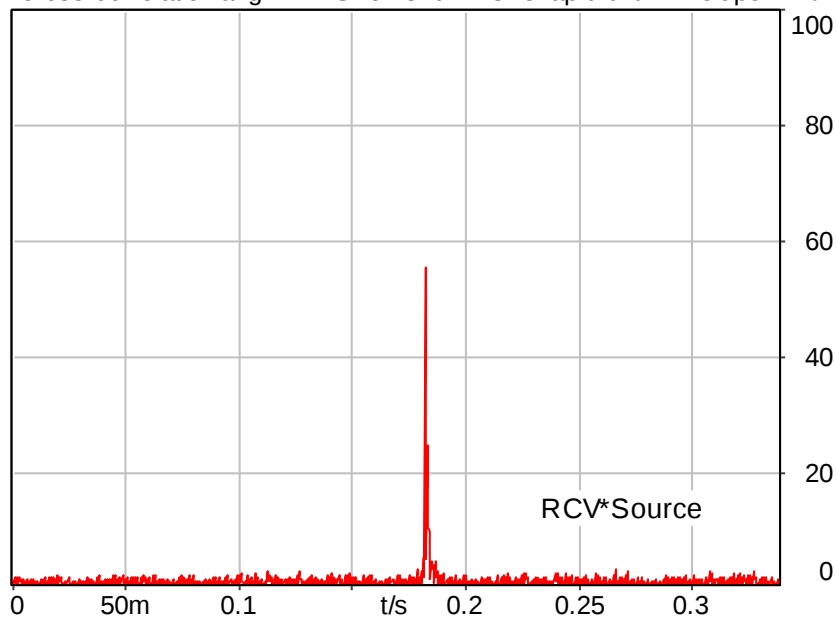


Overall Receive Delay WB

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

vol 4 5 retest_0823

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



Channel	Delay
RCV*Source	183.1 ms

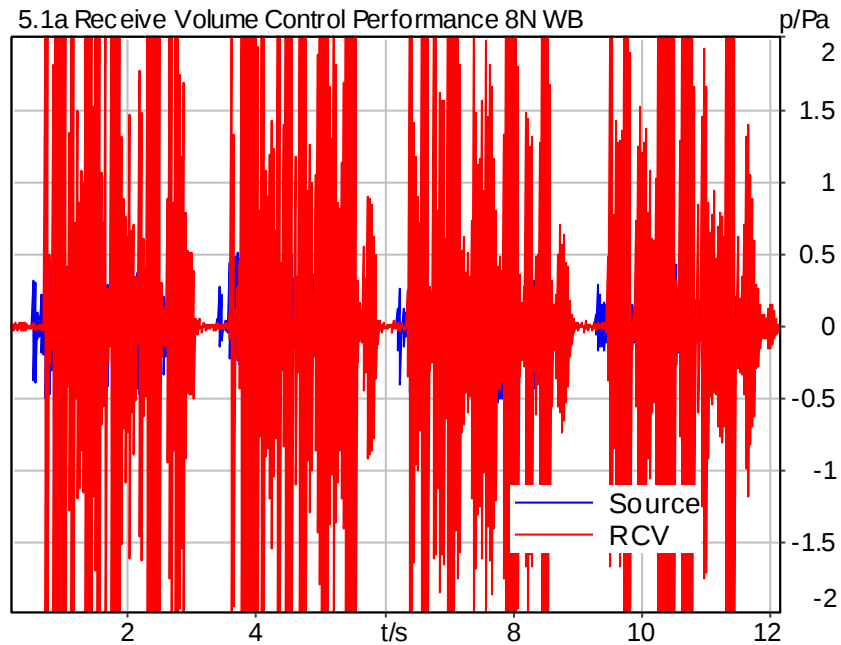
2024-08-23 下午 07:39 ACQUA 6.0.200

5.1a Receive Volume Control Performance 8N WB

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

vol 4 5 retest_0823

5.1a Receive Volume Control Performance 8N WB



Channel	Speech level	Activity	
RCV	92.25 dB[SPL]	83.89%	Ok

Ok

2024-08-23 下午 08:09 ACQUA 6.0.200

Limits

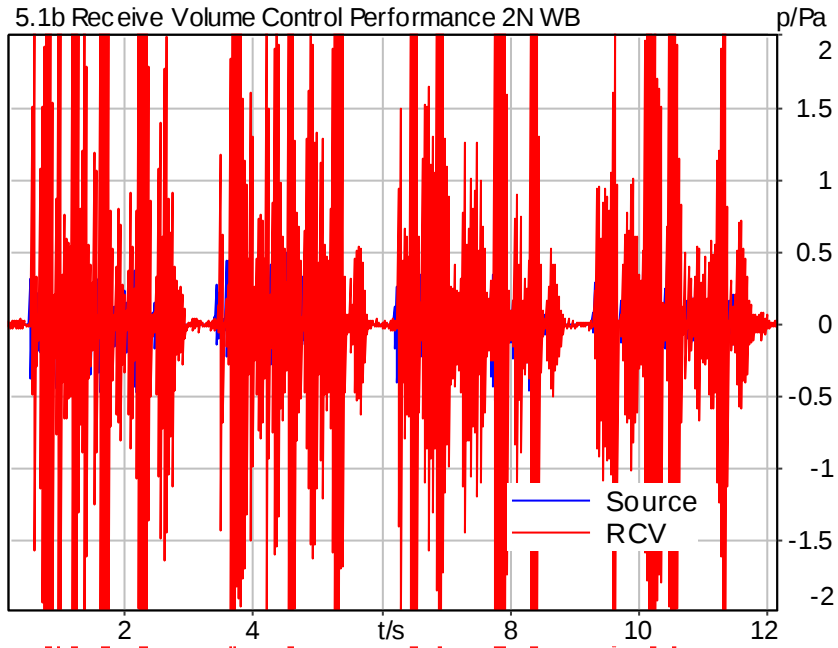
	lower
Run 1	76.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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

vol 4 5 retest_0823

5.1b Receive Volume Control Performance 2N WB



Channel	Speech level	Activity	
RCV	86.55 dB[SPL]	85.26%	Ok

Ok

2024-08-23 下午 07:40 ACQUA 6.0.200

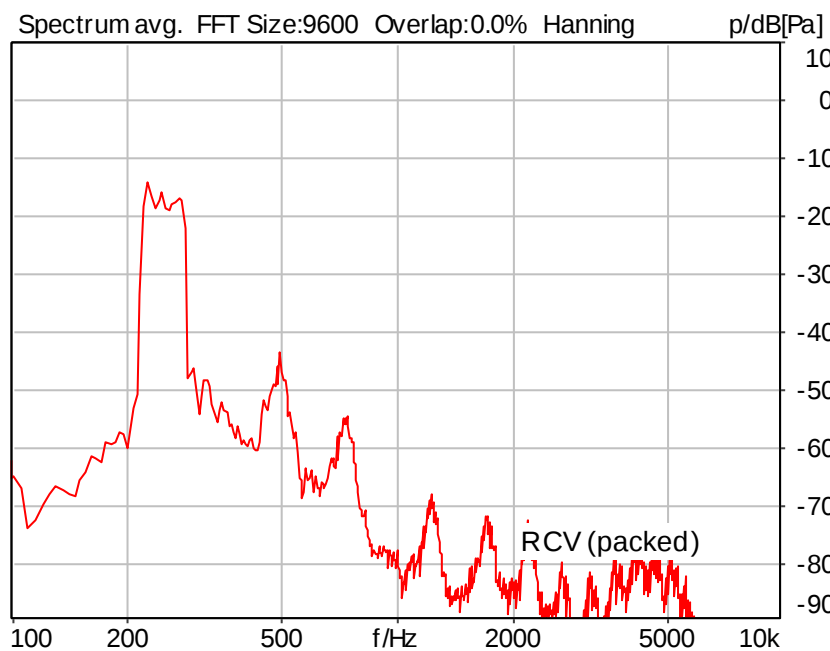
Limits

	lower
Run 1	76.00 dB20uPa

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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 31.76 dB (2.58%) Ok

Ok

2024-08-23 下午 08:19 ACQUA 6.0.200

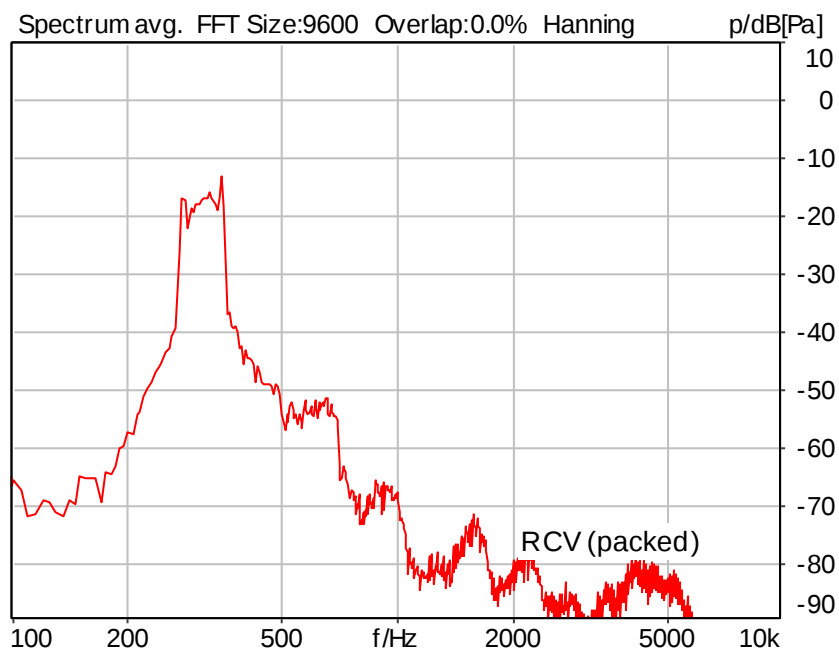
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 30.40 dB (3.02%) Ok

Ok

2024-08-23 下午 08:20 ACQUA 6.0.200

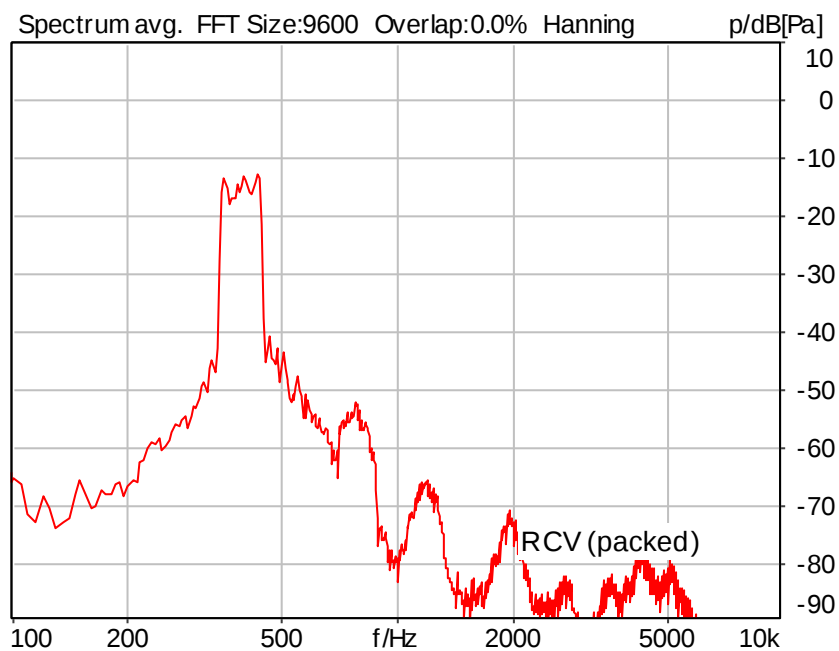
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 33.29 dB (2.16%) Ok

Ok

2024-08-23 下午 08:35 ACQUA 6.0.200

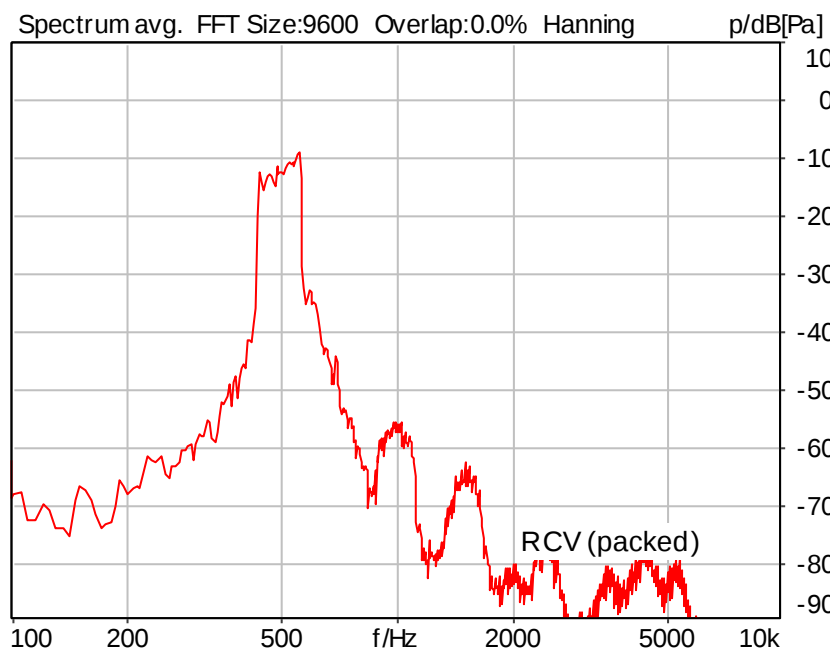
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 30.18 dB (3.10%) Ok

Ok

2024-08-23 下午 08:36 ACQUA 6.0.200

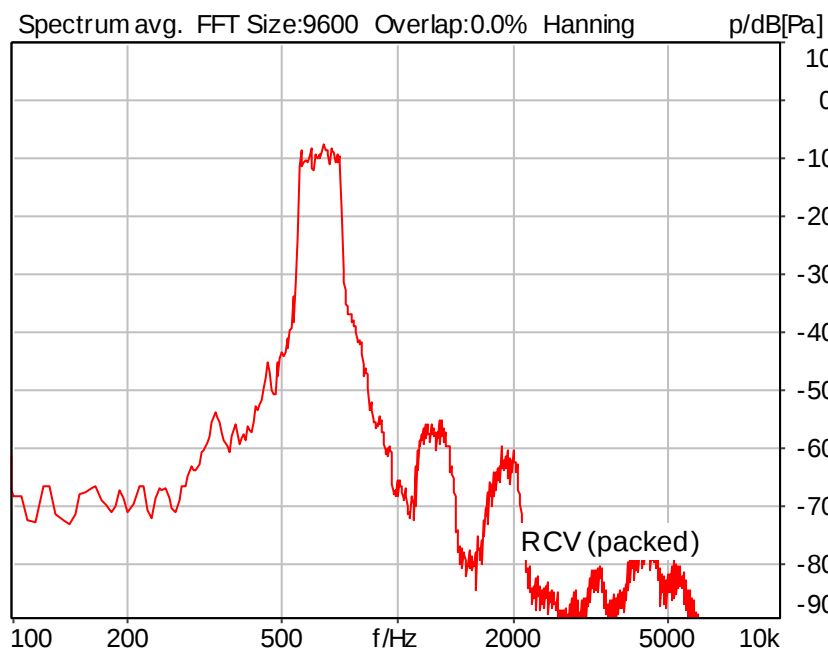
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 33.39 dB (2.14%) Ok

Ok

2024-08-23 下午 08:37 ACQUA 6.0.200

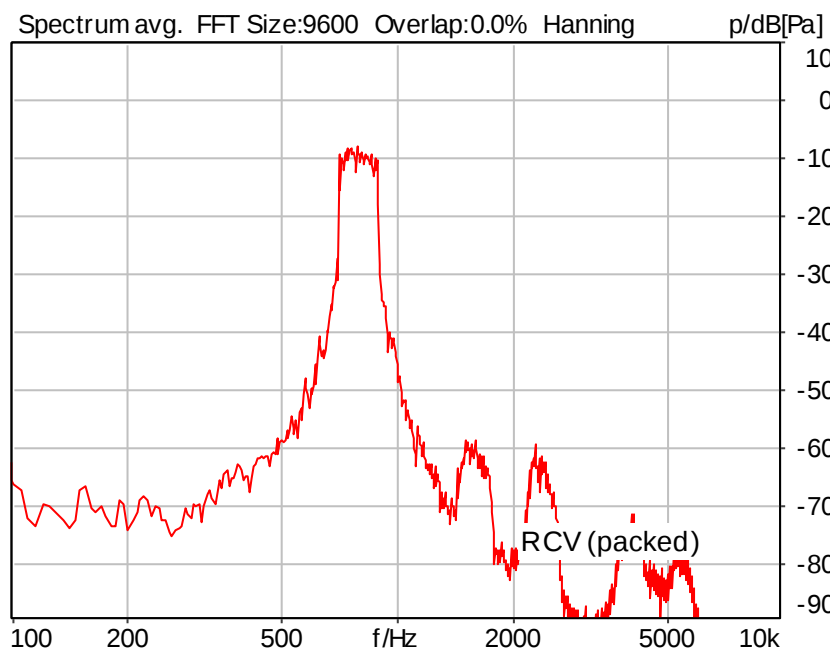
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 32.69 dB (2.32%) Ok

Ok

2024-08-23 下午 08:37 ACQUA 6.0.200

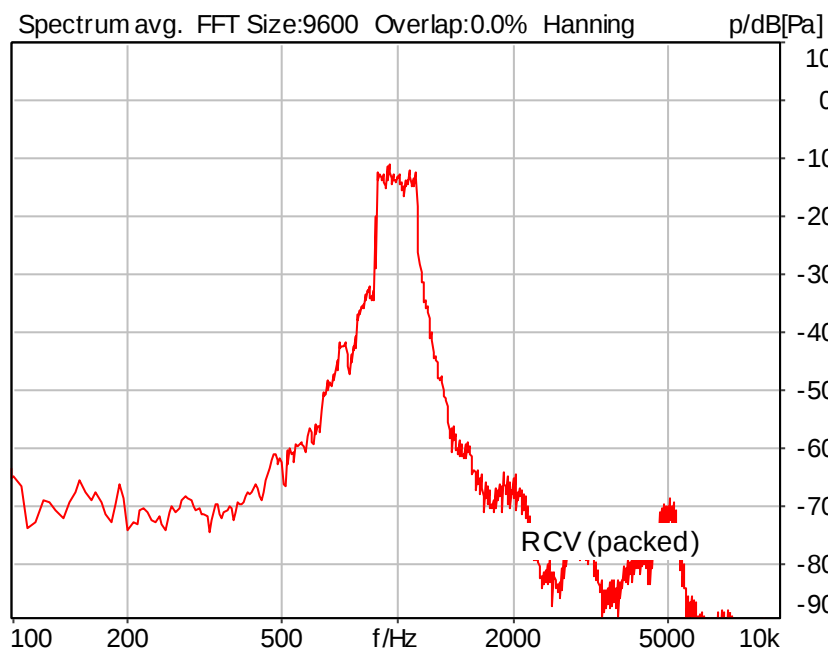
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 23.49 dB (6.69%) Ok

Ok

2024-08-23 下午 08:38 ACQUA 6.0.200

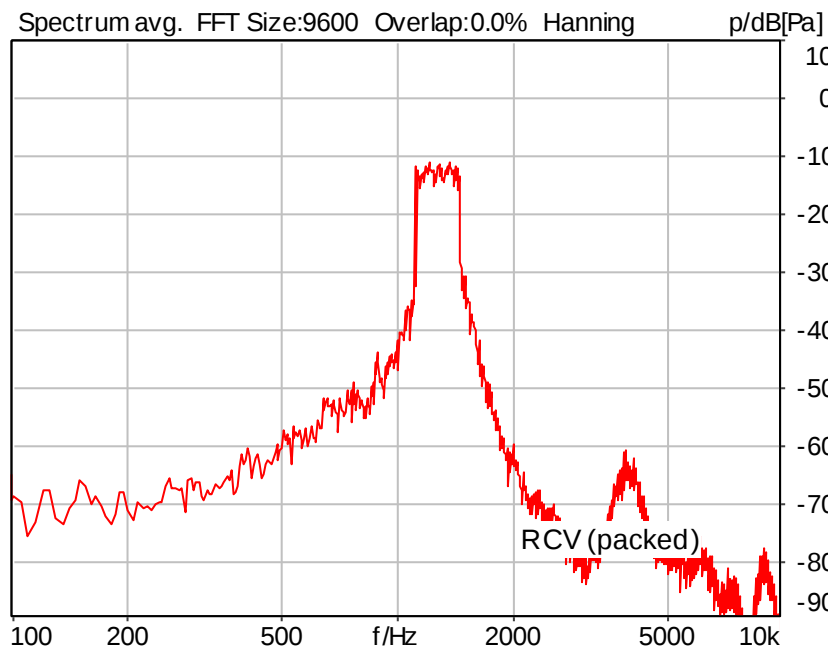
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.76 dB (7.28%) Ok

Ok

2024-08-23 下午 08:17 ACQUA 6.0.200

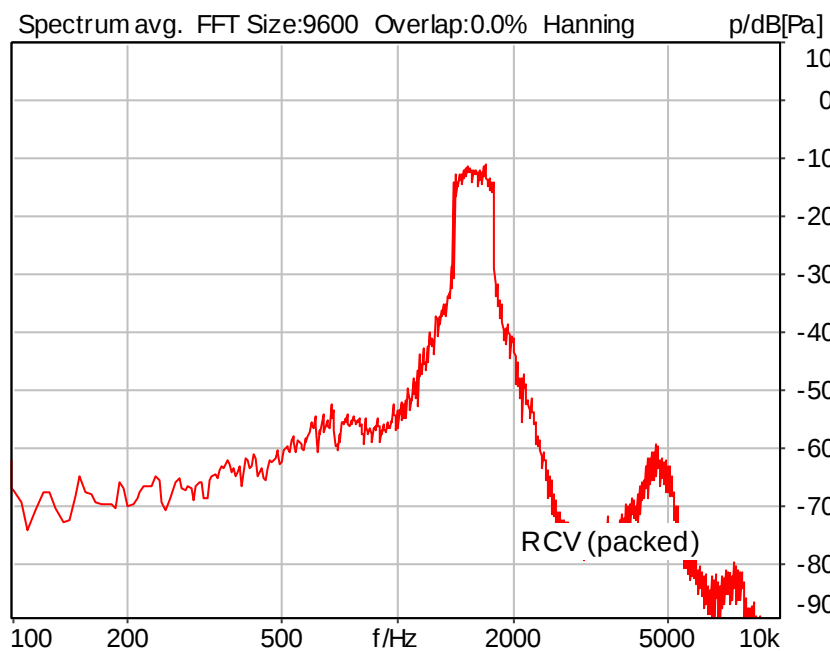
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 23.60 dB (6.61%) Ok

Ok

2024-08-23 下午 08:40 ACQUA 6.0.200

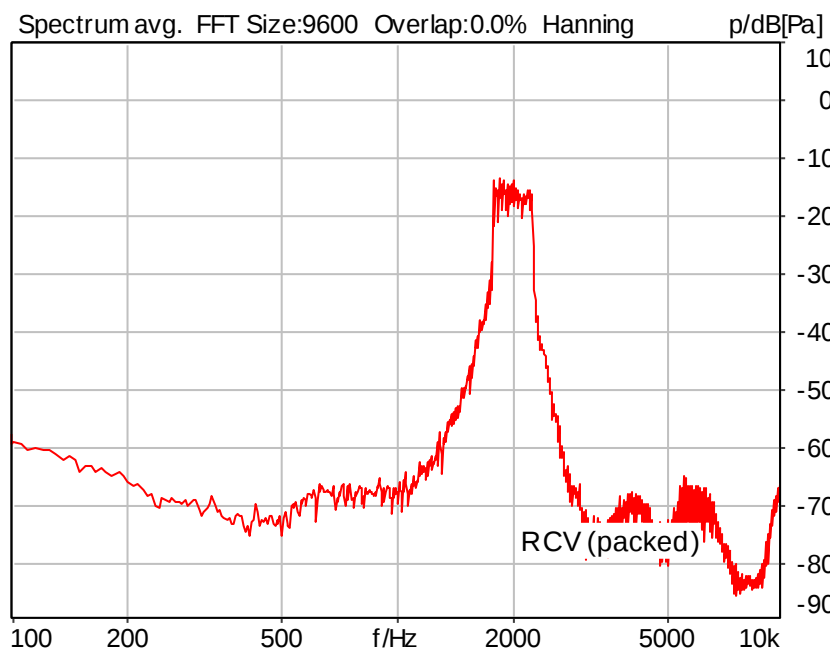
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.81 dB (7.23%) Ok

Ok

2024-08-23 下午 08:38 ACQUA 6.0.200

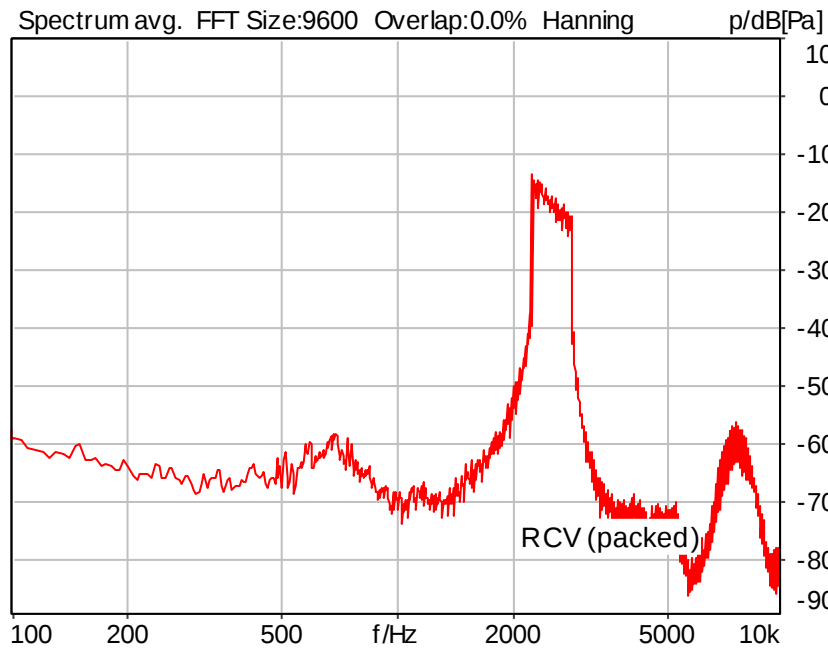
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 28.48 dB (3.77%) Ok

Ok

2024-08-23 下午 08:18 ACQUA 6.0.200

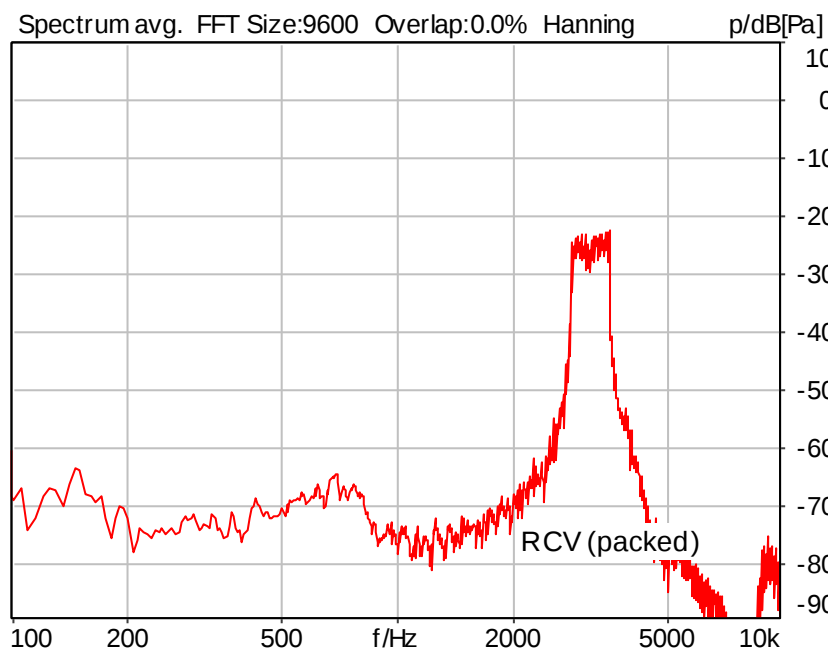
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 24.51 dB (5.95%) Ok

Ok

2024-08-23 下午 08:42 ACQUA 6.0.200

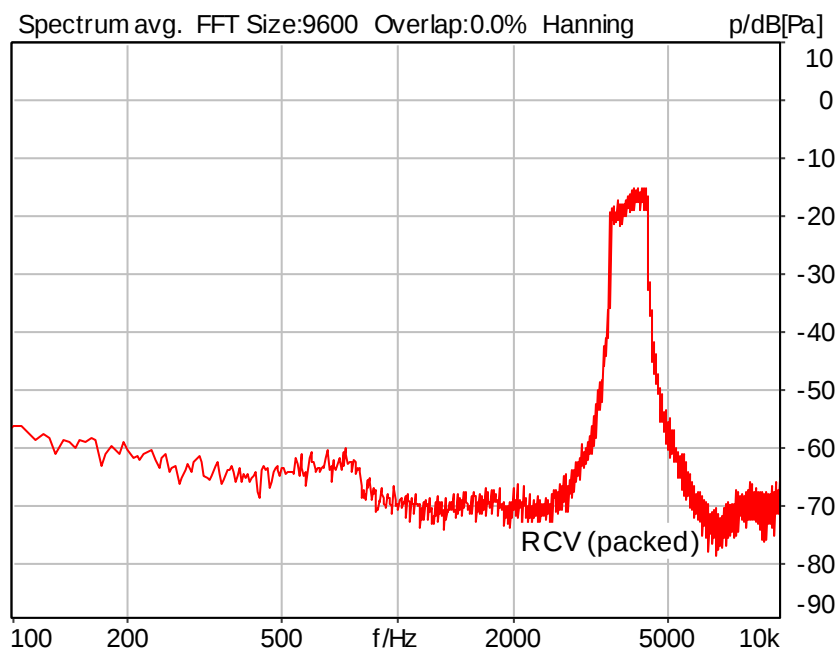
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 25.79 dB (5.13%) Ok

Ok

2024-08-23 下午 08:18 ACQUA 6.0.200

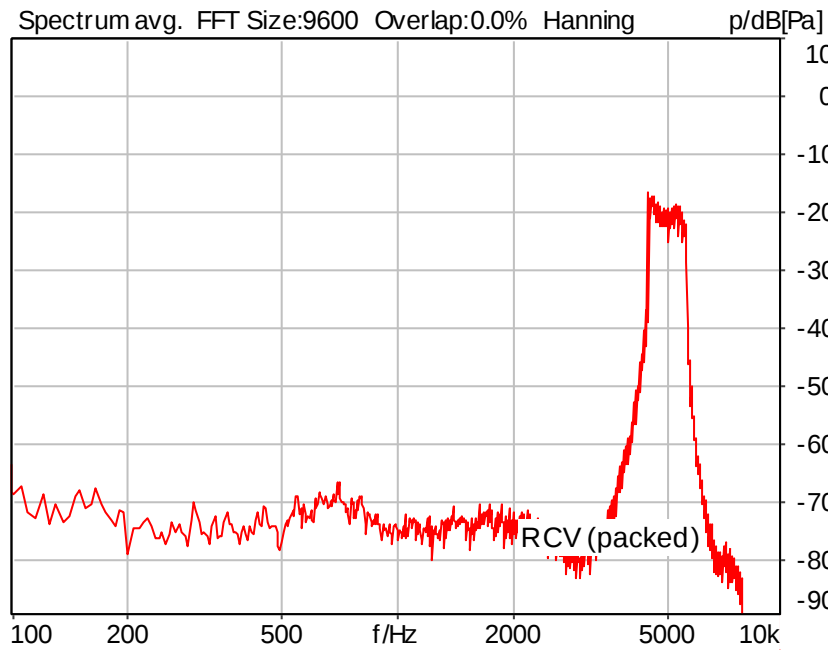
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 28.24 dB (3.87%) Ok

Ok

2024-08-23 下午 08:41 ACQUA 6.0.200

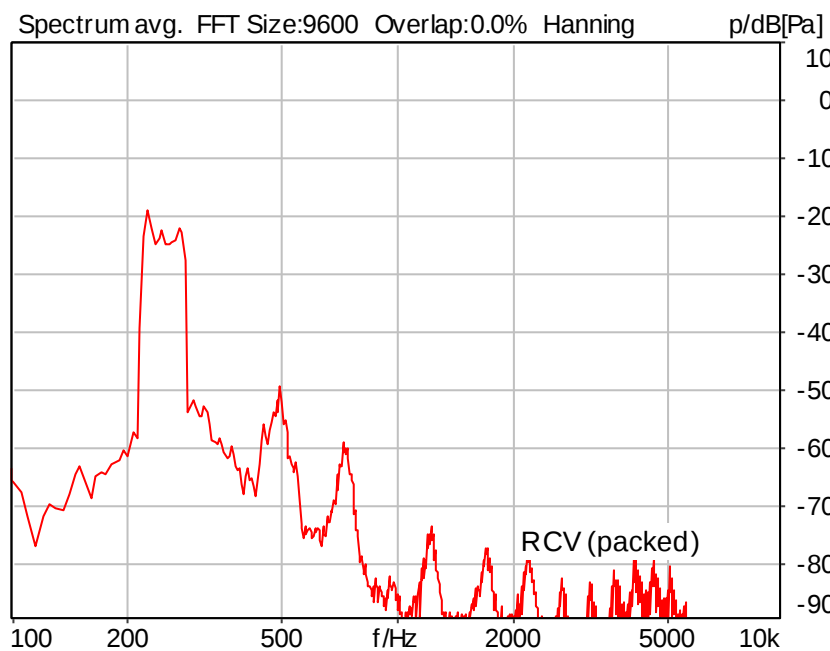
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 31.62 dB (2.62%) Ok

Ok

2024-08-23 下午 07:58 ACQUA 6.0.200

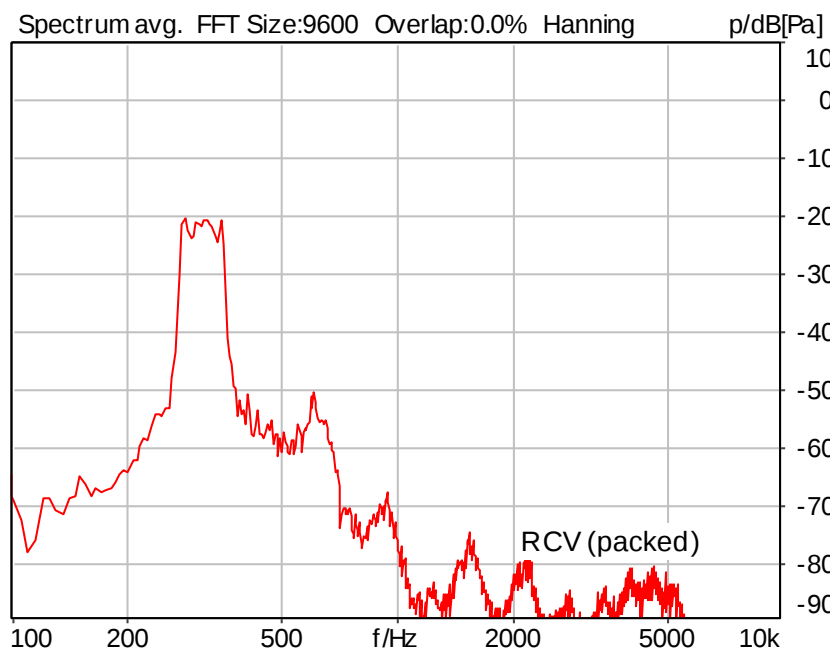
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 31.13 dB (2.78%) Ok

Ok

2024-08-23 下午 07:58 ACQUA 6.0.200

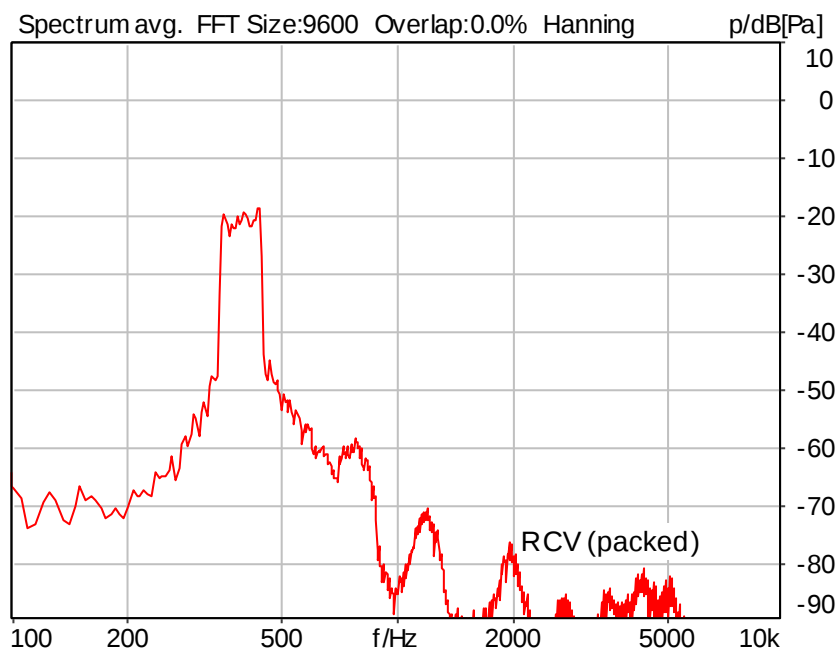
Limits

	lower
Run 1	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

vol 4 5 retest_0823



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

Ok

2024-08-23 下午 07:59 ACQUA 6.0.200

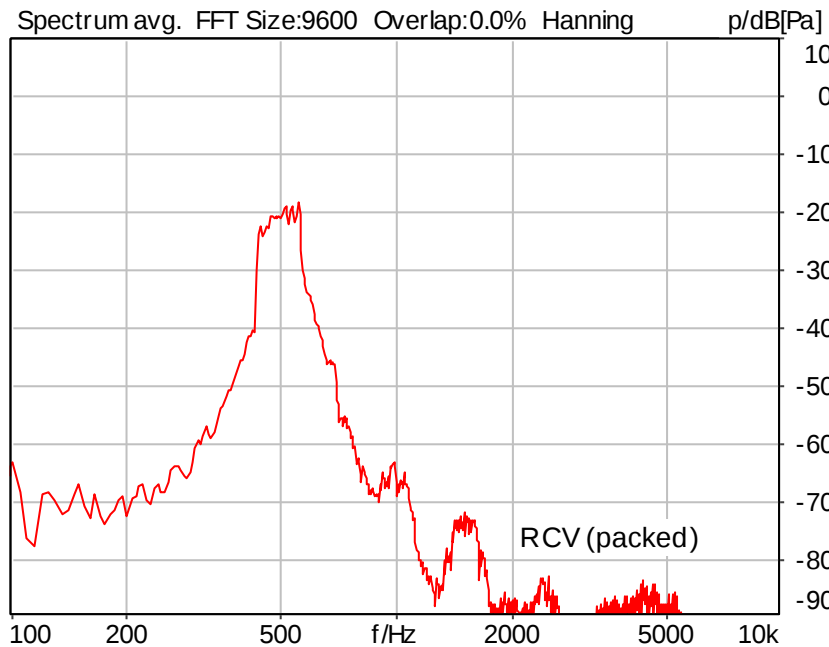
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.84 dB (7.21%) Ok

Ok

2024-08-23 下午 07:59 ACQUA 6.0.200

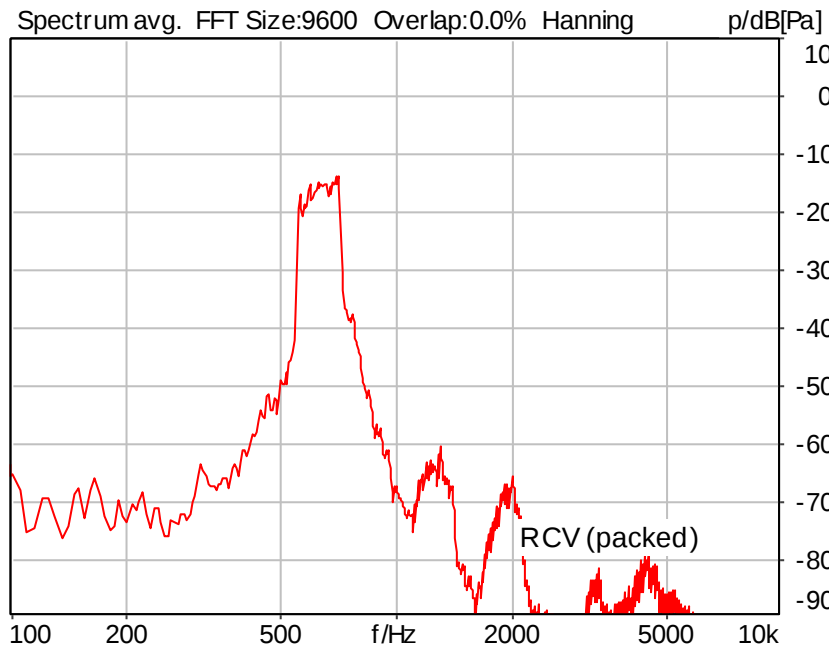
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 28.53 dB (3.75%) Ok

Ok

2024-08-23 下午 08:00 ACQUA 6.0.200

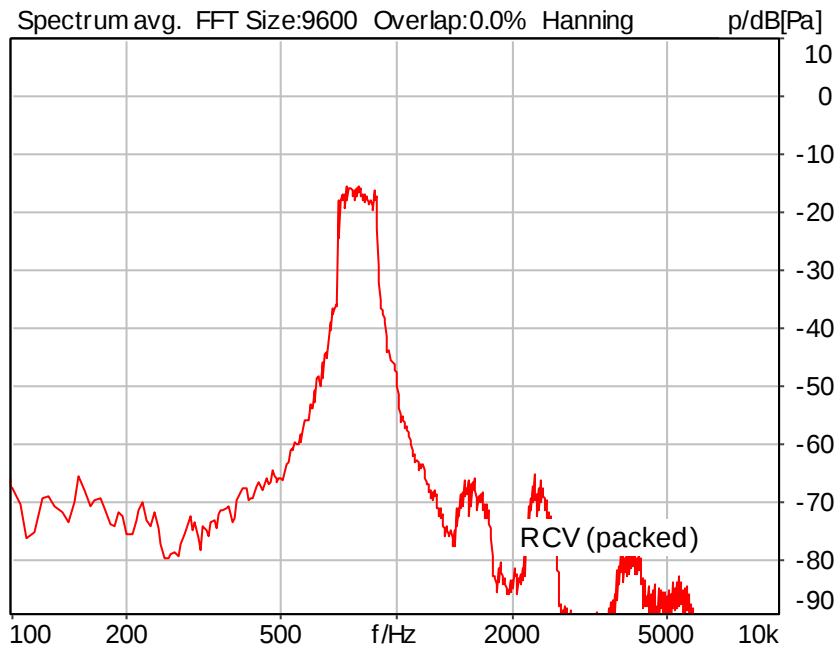
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 28.85 dB (3.61%) Ok

Ok

2024-08-23 下午 08:00 ACQUA 6.0.200

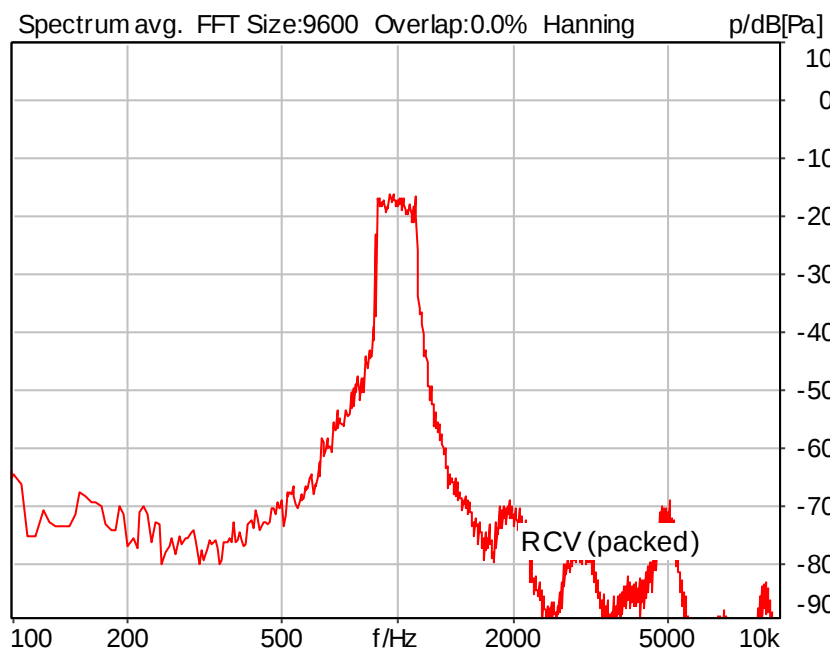
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 29.19 dB (3.47%) Ok

Ok

2024-08-23 下午 08:01 ACQUA 6.0.200

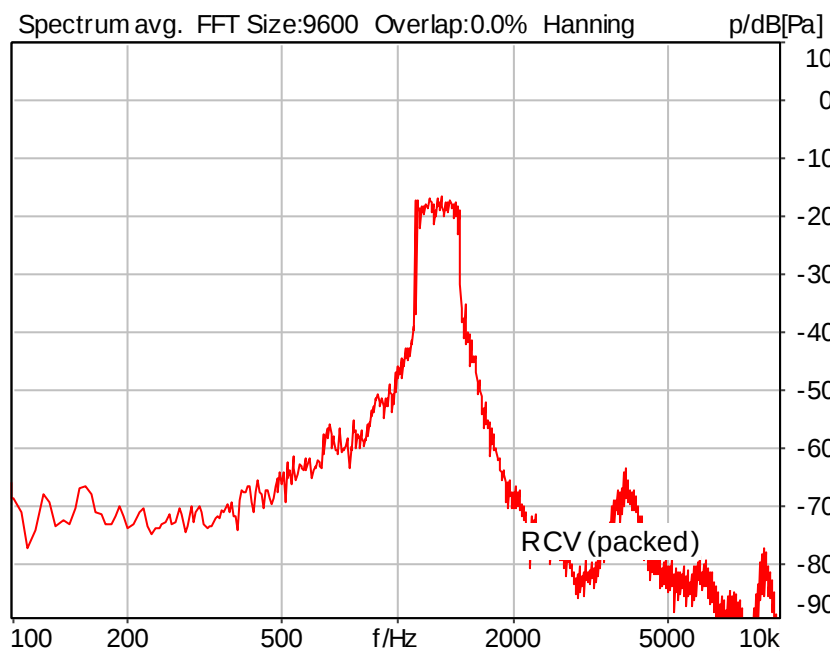
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.49 dB (7.51%) Ok

Ok

2024-08-23 下午 07:56 ACQUA 6.0.200

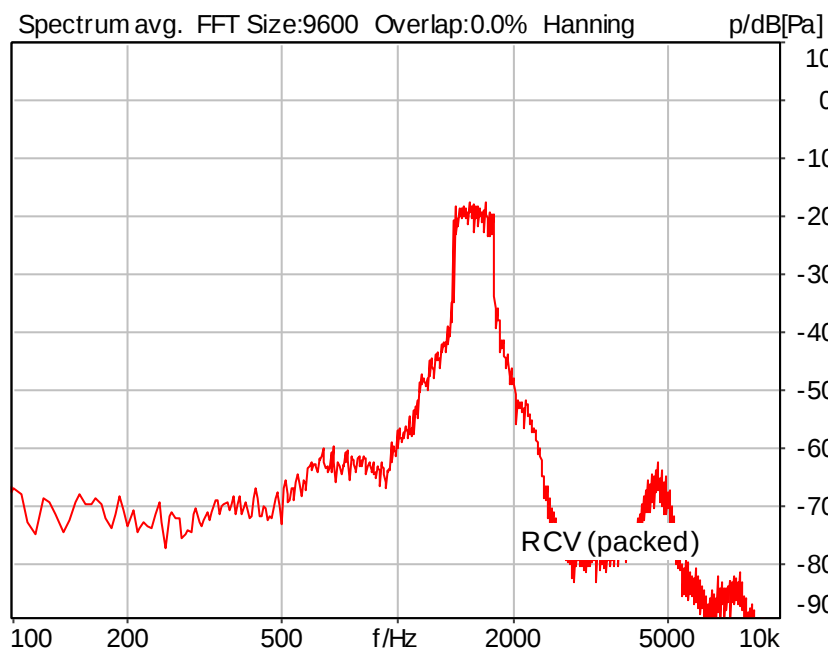
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.15 dB (7.81%) Ok

Ok

2024-08-23 下午 08:46 ACQUA 6.0.200

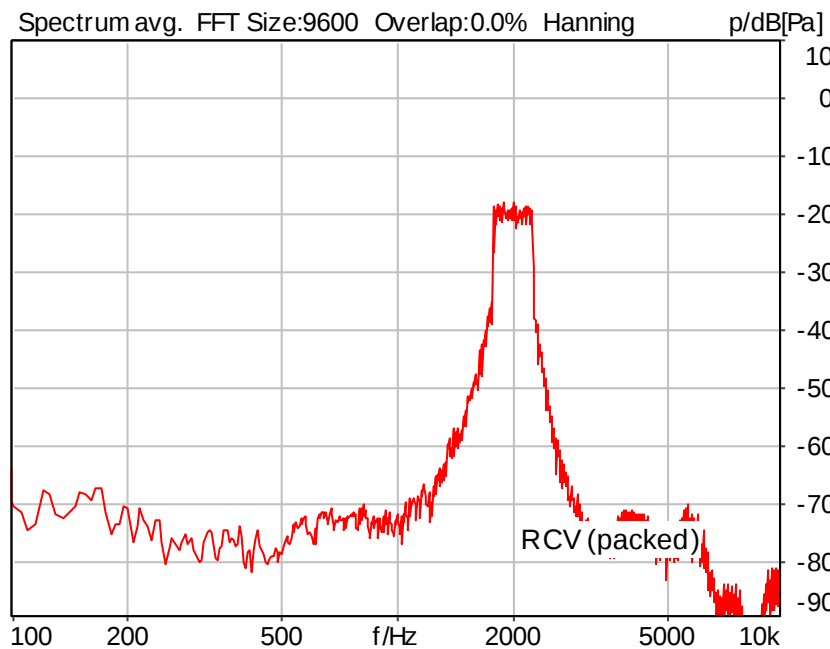
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 23.10 dB (7.00%) Ok

Ok

2024-08-23 下午 07:48 ACQUA 6.0.200

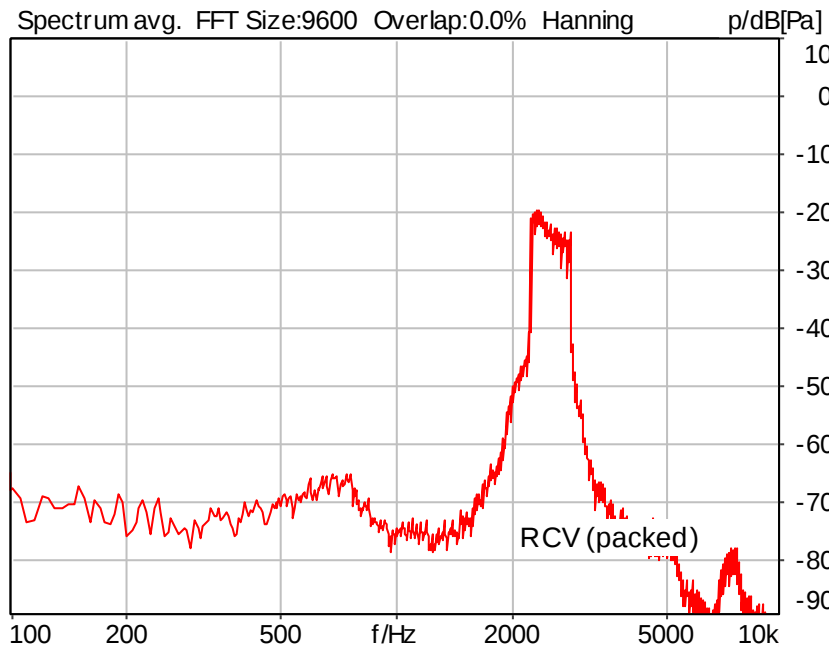
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 25.76 dB (5.15%) Ok

Ok

2024-08-23 下午 08:05 ACQUA 6.0.200

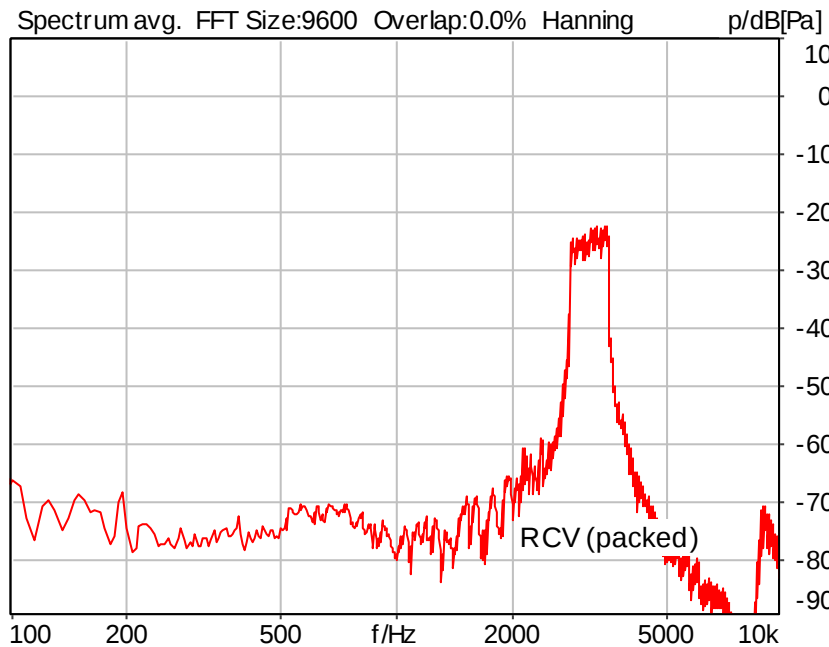
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 26.08 dB (4.97%) Ok

Ok

2024-08-23 下午 08:03 ACQUA 6.0.200

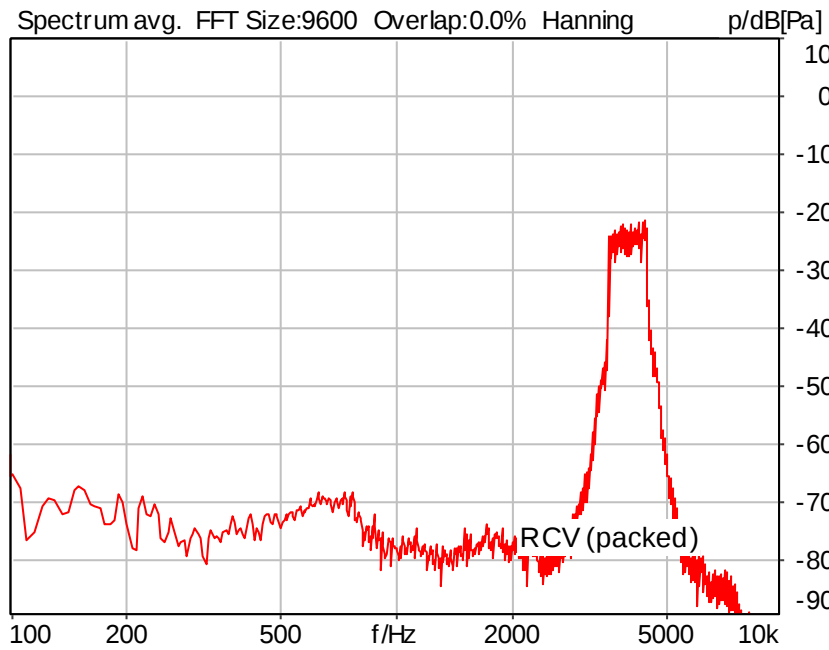
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 22.87 dB (7.18%) Ok

Ok

2024-08-23 下午 08:04 ACQUA 6.0.200

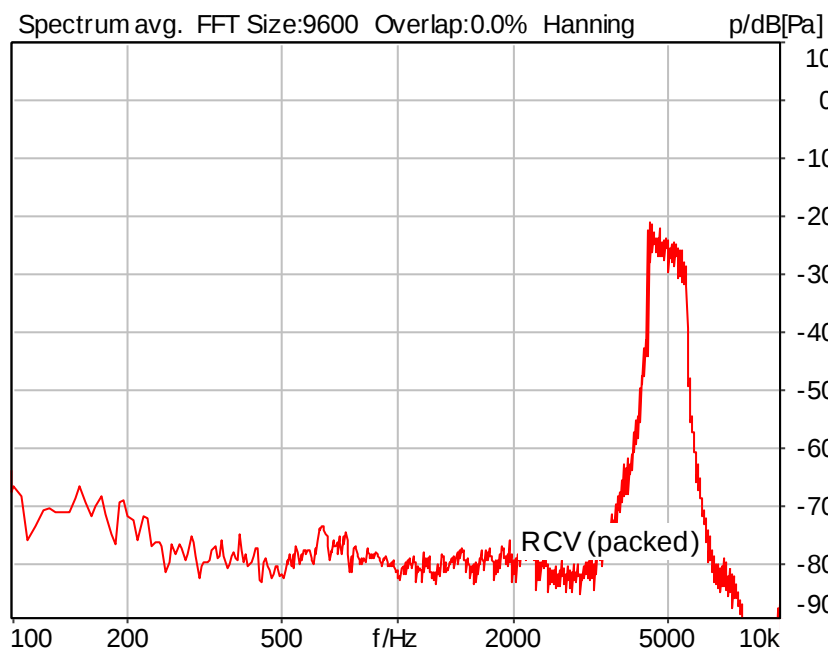
Limits

	lower
Run 1	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

vol 4 5 retest_0823



Distortion (Noise) RCV (packed): 25.62 dB (5.23%) Ok

Ok

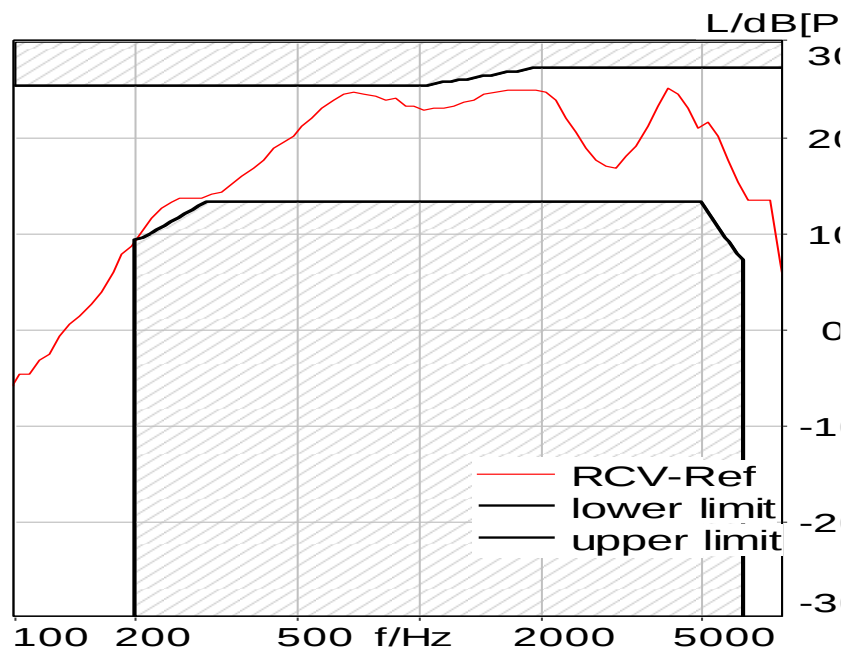
2024-08-23 下午 08:04 ACQUA 6.0.200

Limits

	lower
Run 1	20.00 dB

5.3 Frequency Response 8N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
vol 4 5 retest_0823



Absolute minimal distance
0.56 dB at 689.1 Hz Ok

Ok

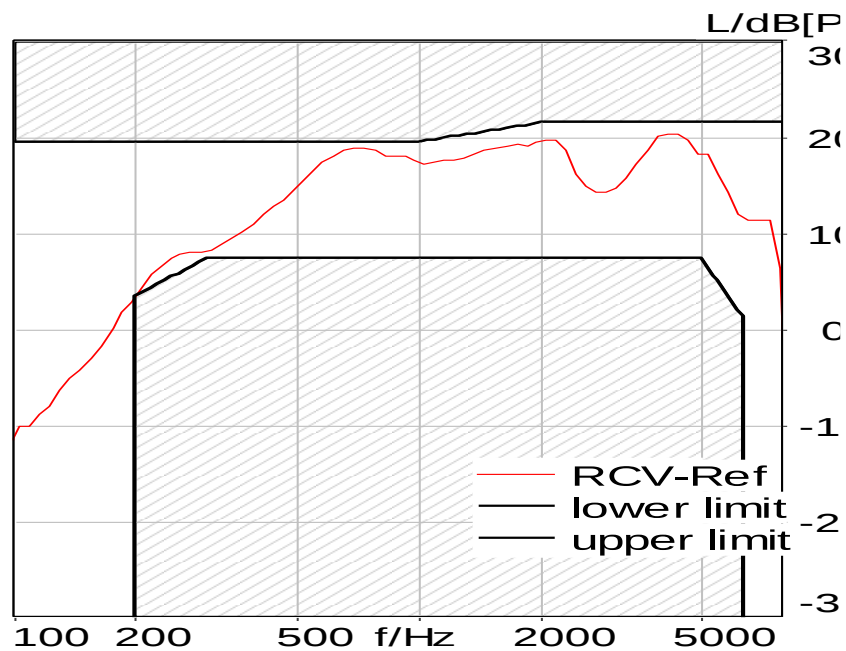
2024-08-23 下午 08:14 ACQUA 6.0.200

Limits

	lower
Run 1	Fit into tolerance

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
vol 4 5 retest_0823



Absolute minimal distance
0.59 dB at 689.1 Hz Ok

Ok

2024-08-23 下午 07:42 ACQUA 6.0.200

Limits

	lower
Run 1	Fit into tolerance



Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>



#2 WLAN 6GHz EVS WB 5.9kbps

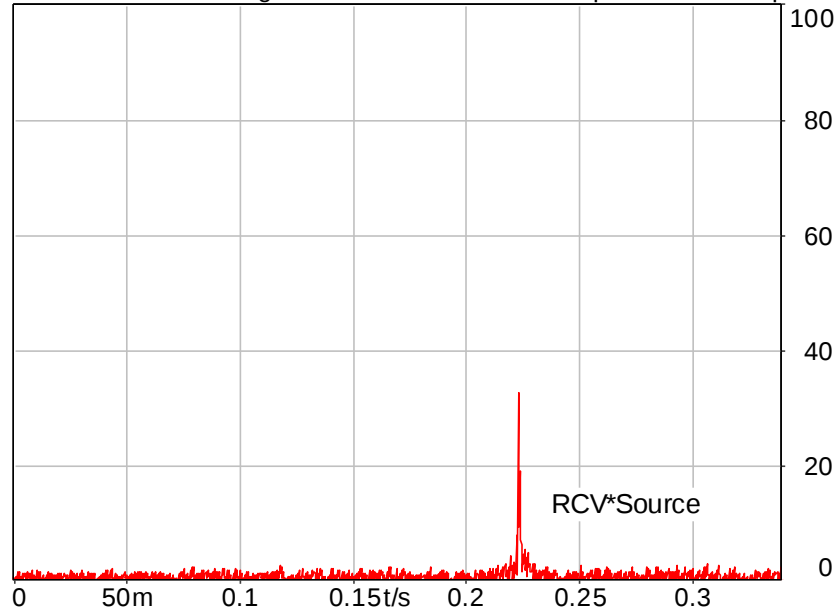
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	223.4
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.77
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	84.93



Overall Receive Delay WB

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

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

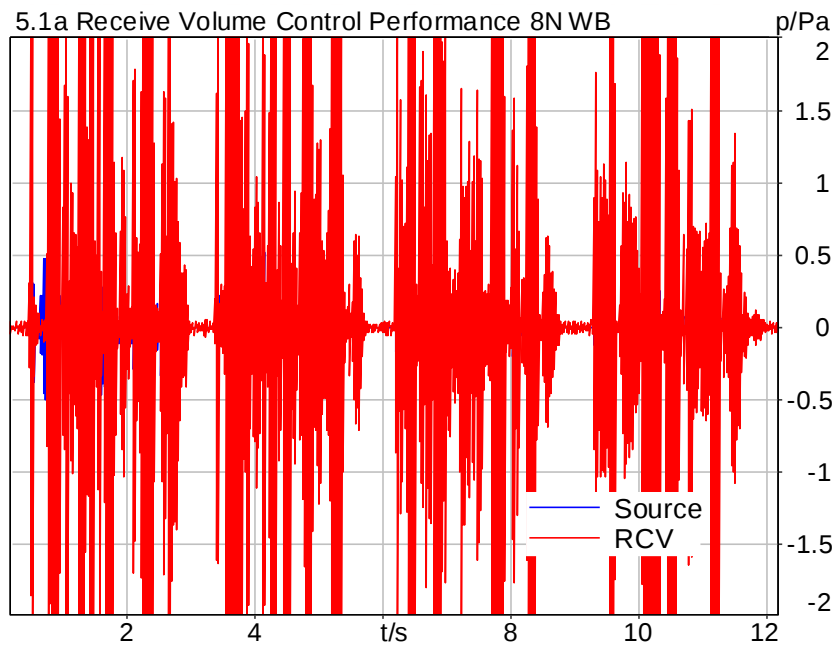


Channel	Delay
RCV*Source	223.4 ms

2024-08-05 下午 04:46 ACQUA 6.0.200

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	90.77 dB[SPL]	84.91%	Ok

Ok

2024-08-05 下午 03:26 ACQUA 6.0.200

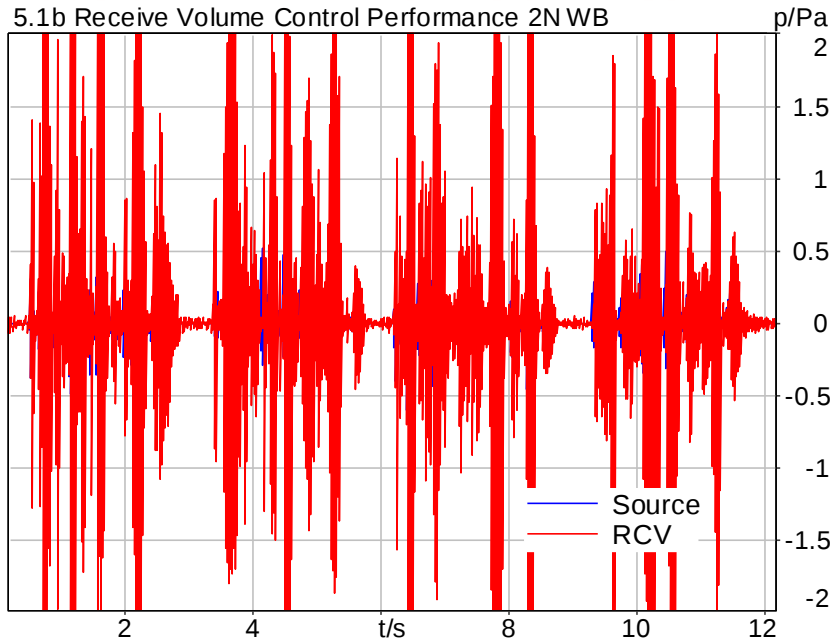
Limits

	lower
Run 1	88.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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

5.1b Receive Volume Control Performance 2N WB



Channel	Speech level	Activity	
RCV	84.93 dB[SPL]	83.75%	Ok

Ok

2024-08-05 下午 03:27 ACQUA 6.0.200

Limits

	lower
Run 1	76.00 dB20uPa