Appendix A.   Volume Control Evaluation Results

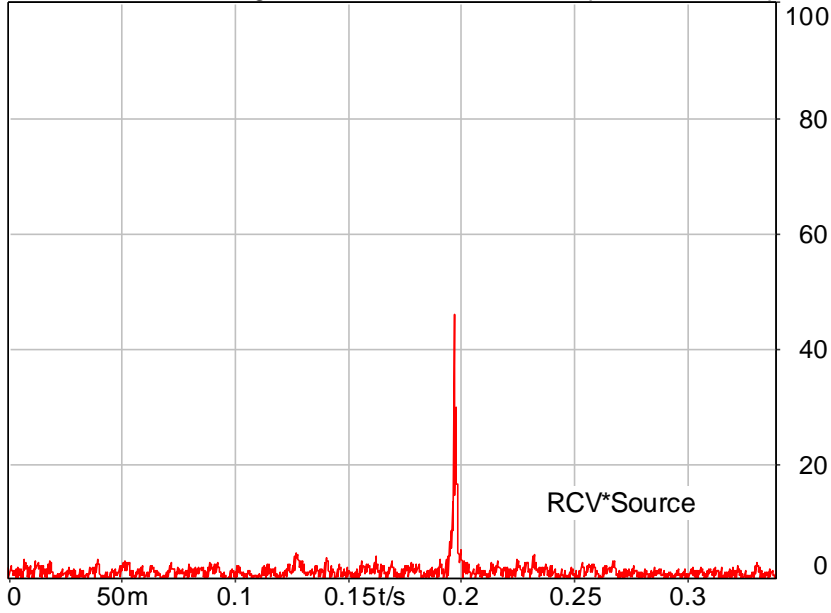*<Evaluation results for KDB 285076 D05 2.a>*

#1 LTE B48 EVS WB 24.4Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	197.1
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.63
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	90.26
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.47
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.88
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.28
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.12
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.06
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.32
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.22
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.92
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.79
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.66
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.04
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.00
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.89
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.15
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.70
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.01
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.24
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.21
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.04
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.37
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.16
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.78
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.36
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.29
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.03
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.78
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.99
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.65
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	0.84
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 3657.5 Hz	0.54

Overall Receive Delay WB

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

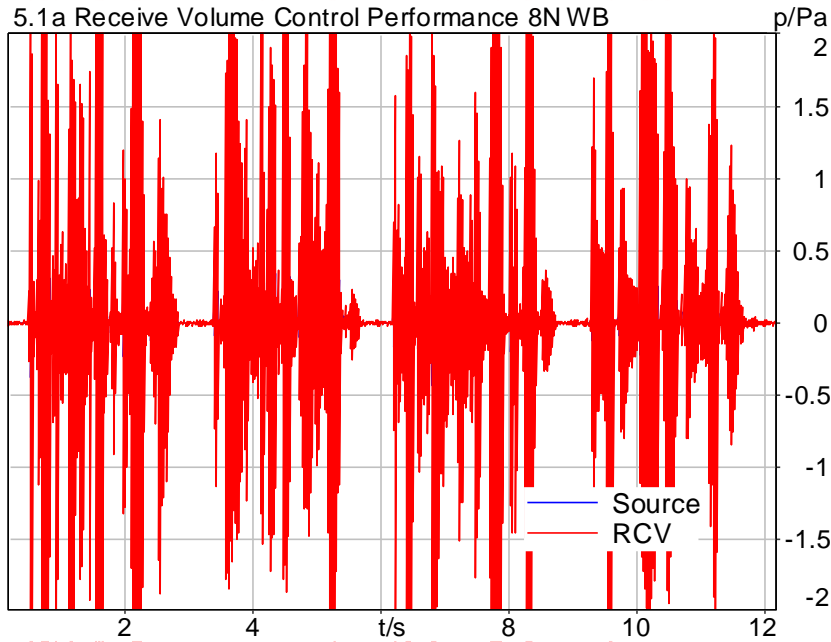Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 197.1 ms

2024/1/30 上午 03:05　　ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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

5.1a Receive Volume Control Performance 8N WB　　　　　　p/Pa

Speech Level RCV: 88.63 dB[SPL], Act.: 51.28% Ok

Ok

2024/1/30 上午 03:13　　ACQUA 5.1.200

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   p/Pa

Speech Level RCV: 90.26 dB[SPL], Act.: 14.22% Ok

Ok

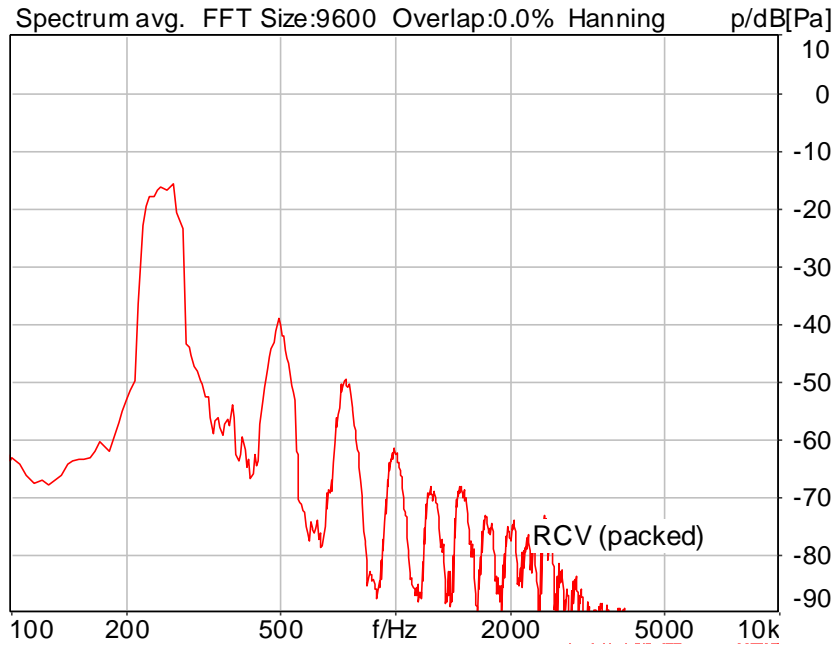2024/1/30 上午 03:14   ACQUA 5.1.200
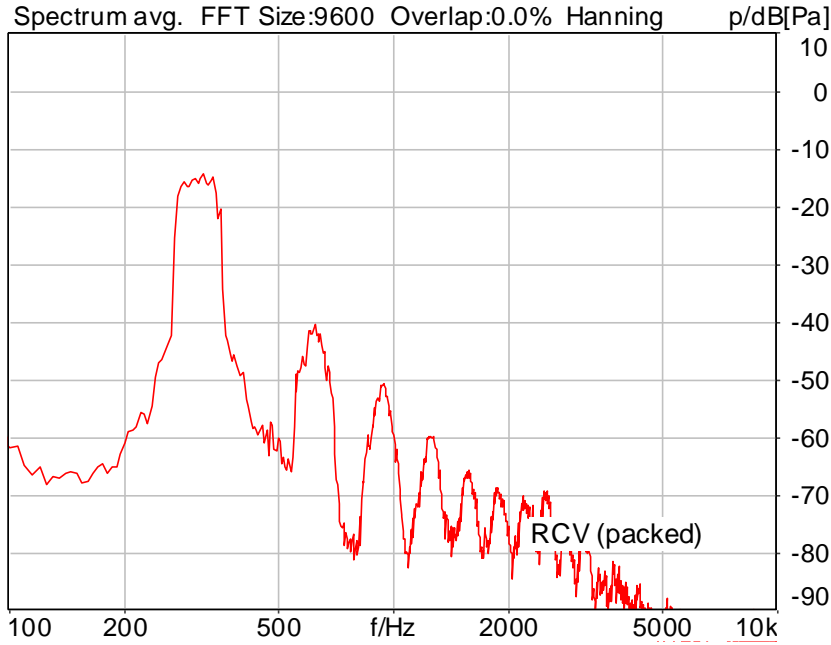
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.47 dB (4.75%) Ok

Ok

2024/1/30 上午 03:05   ACQUA 5.1.200

Limits

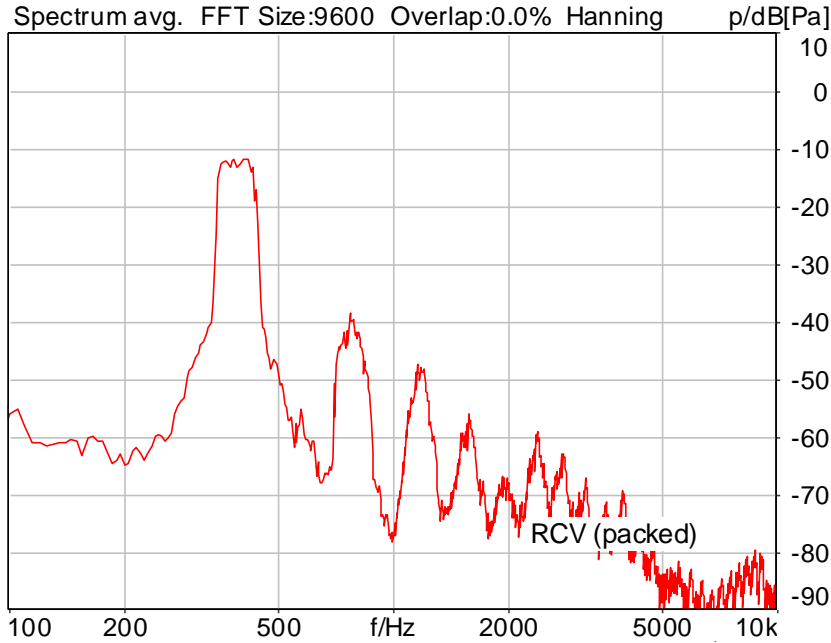|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.88 dB (4.53%) Ok

Ok

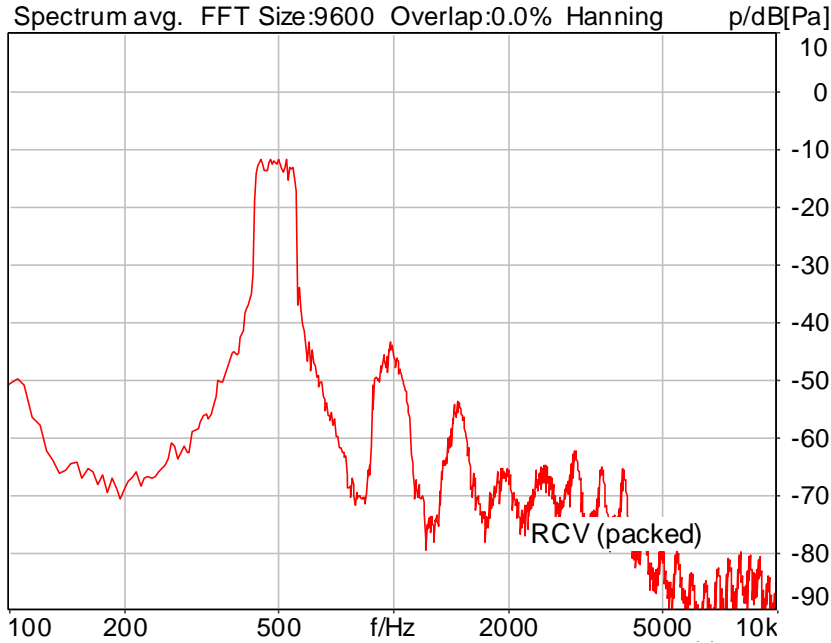2024/1/30 上午 03:06   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

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

Ok

2024/1/30 上午 03:06   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 30.12 dB (3.12%) Ok

Ok
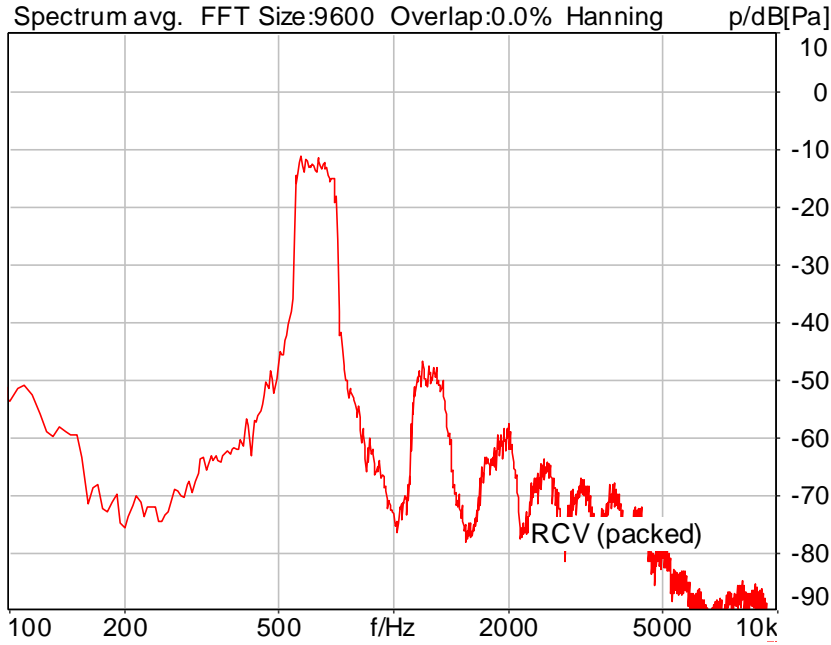
2024/1/30 上午 03:07   ACQUA 5.1.200

Limits

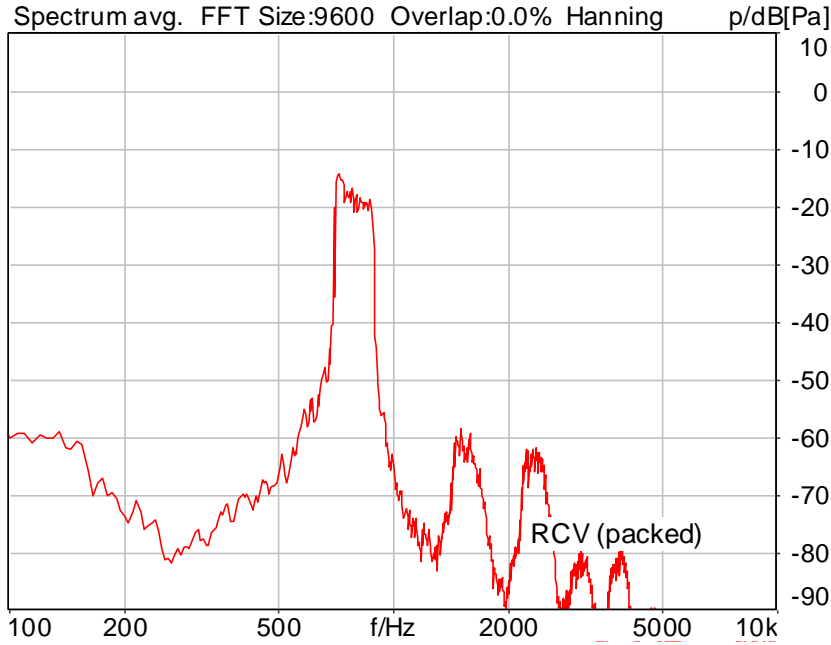|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 32.06 dB (2.50%) Ok

Ok

2024/1/30 上午 03:07   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 35.32 dB (1.71%) Ok

Ok

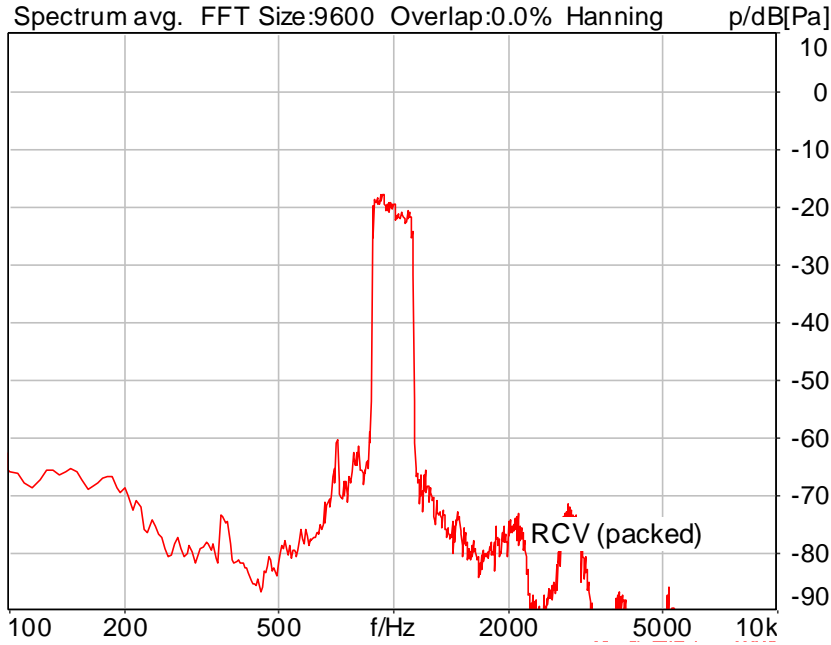2024/1/30 上午 03:08   ACQUA 5.1.200
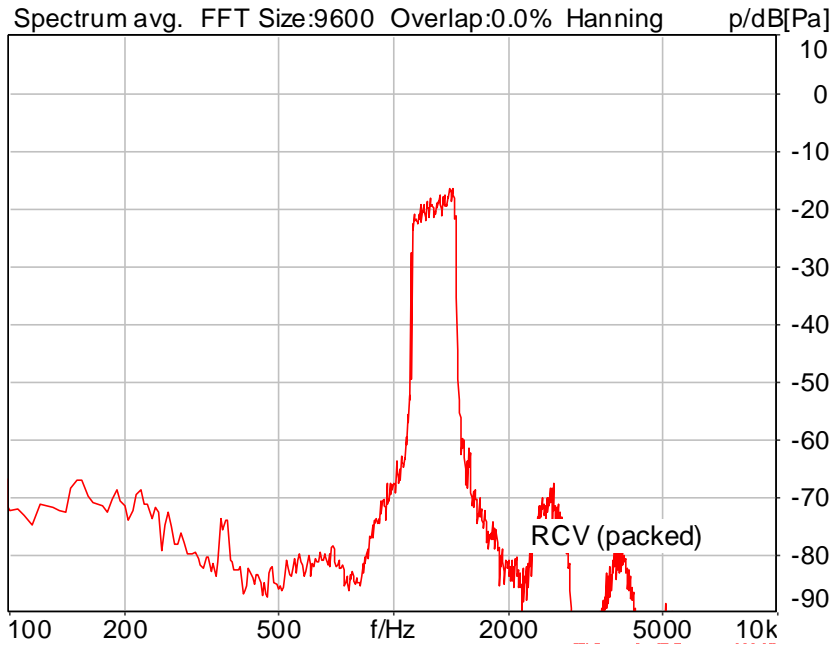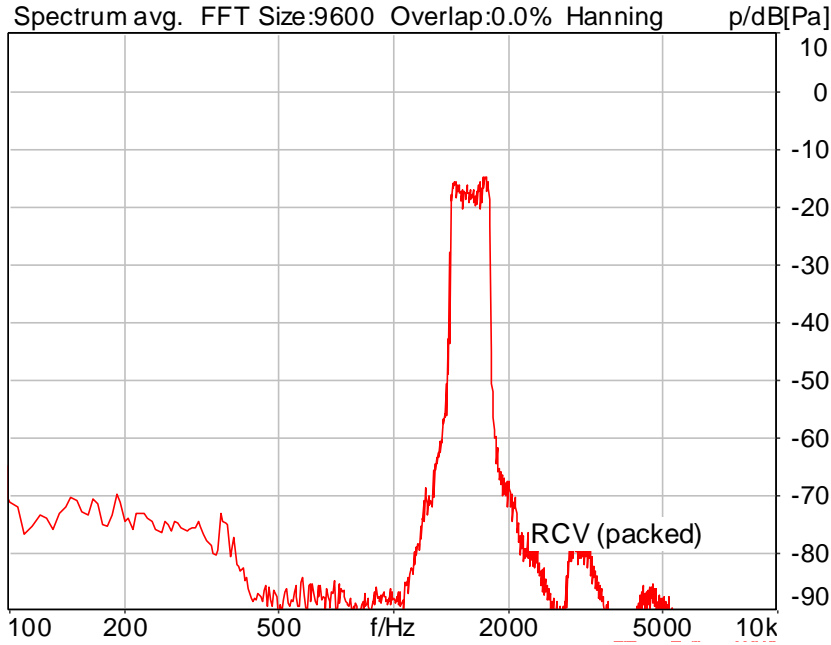
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.22 dB (0.69%) Ok

Ok

2024/1/30 上午 03:08   ACQUA 5.1.200

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 31.92 dB (2.54%) Ok

Ok

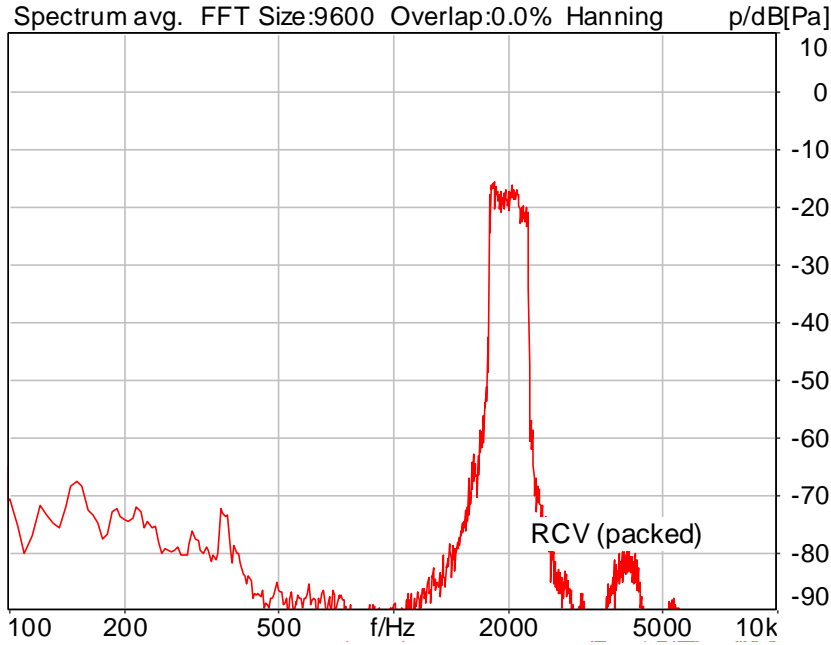2024/1/30　上午　03:09　　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 44.79 dB (0.58%) Ok

Ok

2024/1/30 上午 03:09   ACQUA 5.1.200
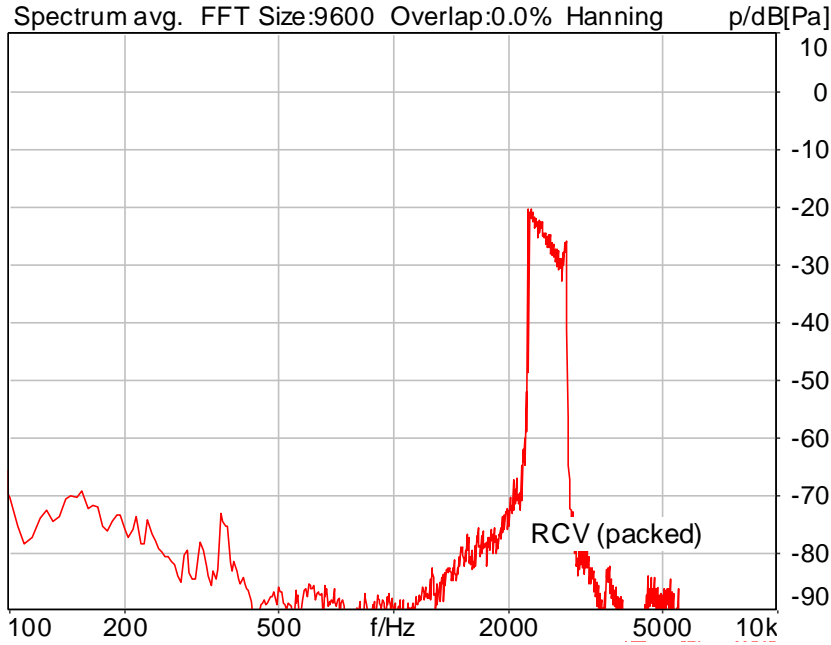
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.66 dB (0.66%) Ok

Ok

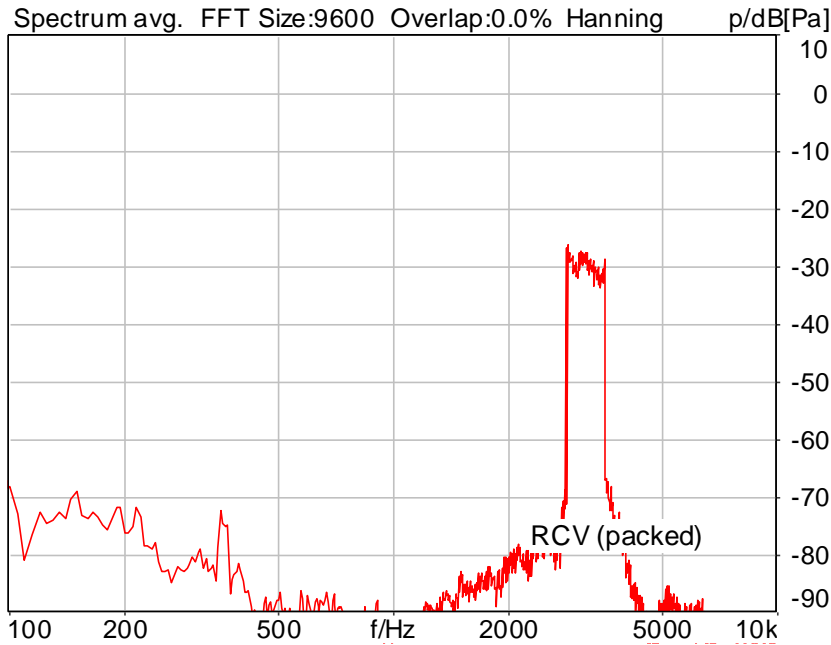2024/1/30 上午 03:10   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 44.04 dB (0.63%) Ok

Ok

2024/1/30 上午 03:10   ACQUA 5.1.200
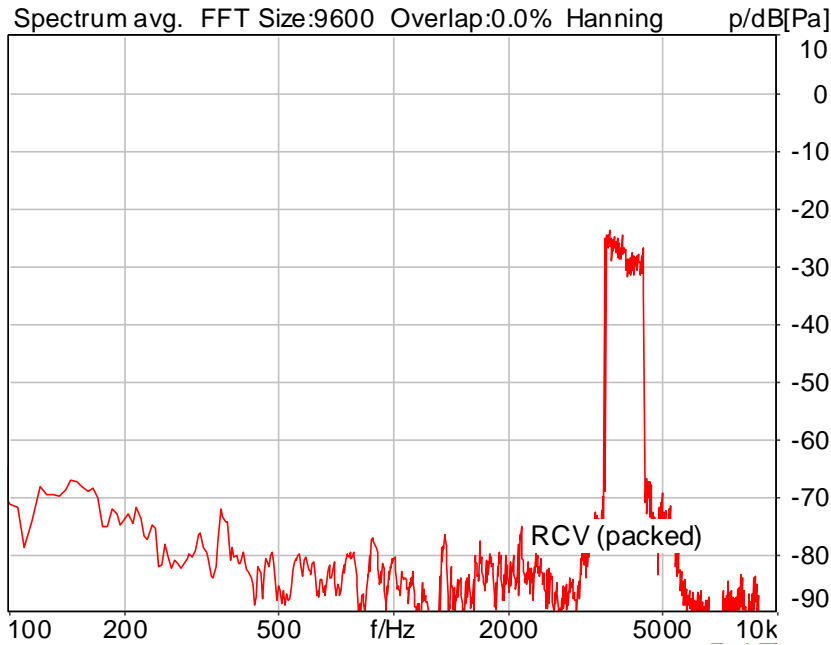
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.00 dB (0.79%) Ok

Ok

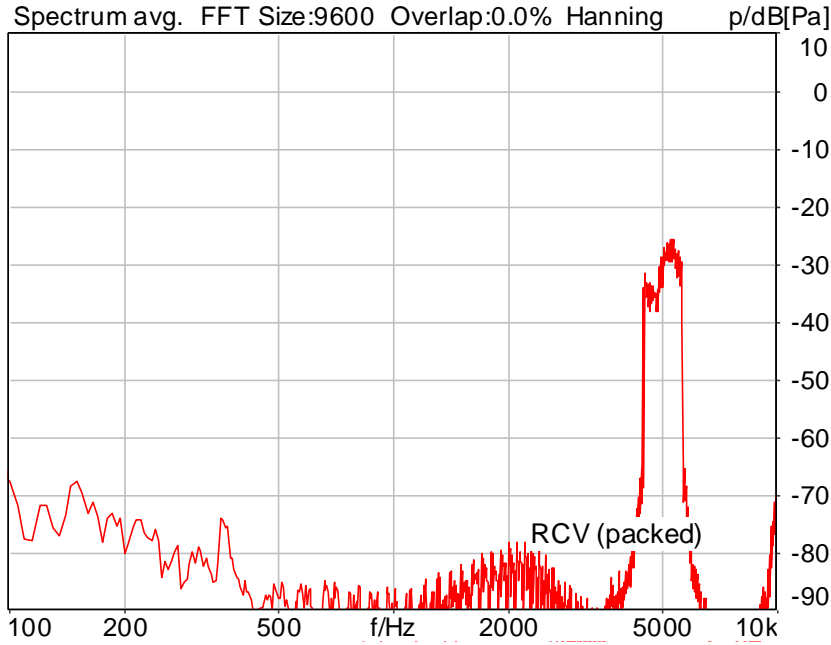2024/1/30 上午 03:11   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.89 dB (0.72%) Ok

Ok

2024/1/30 上午 03:11   ACQUA 5.1.200

Limits

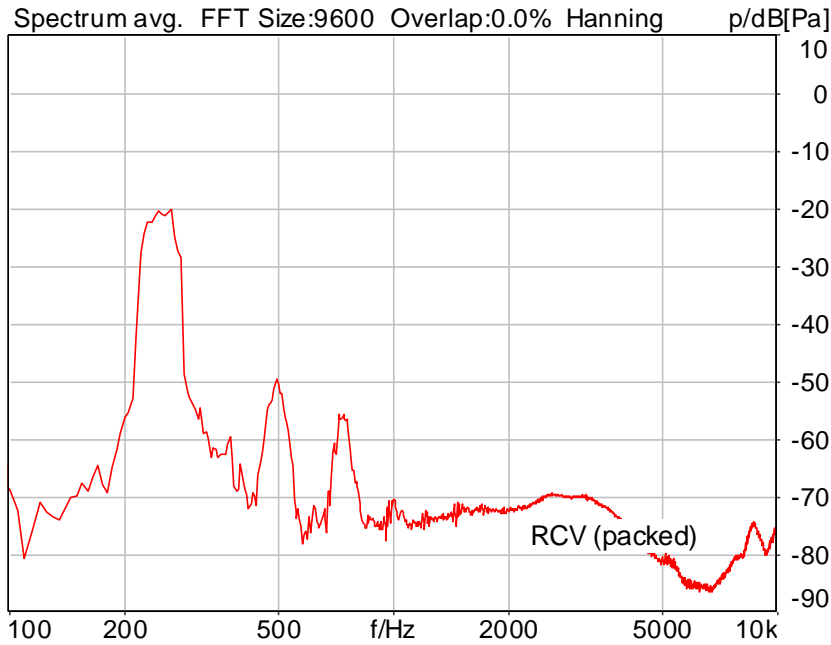|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.15 dB (0.70%) Ok

Ok

2024/1/30 上午 03:12   ACQUA 5.1.200
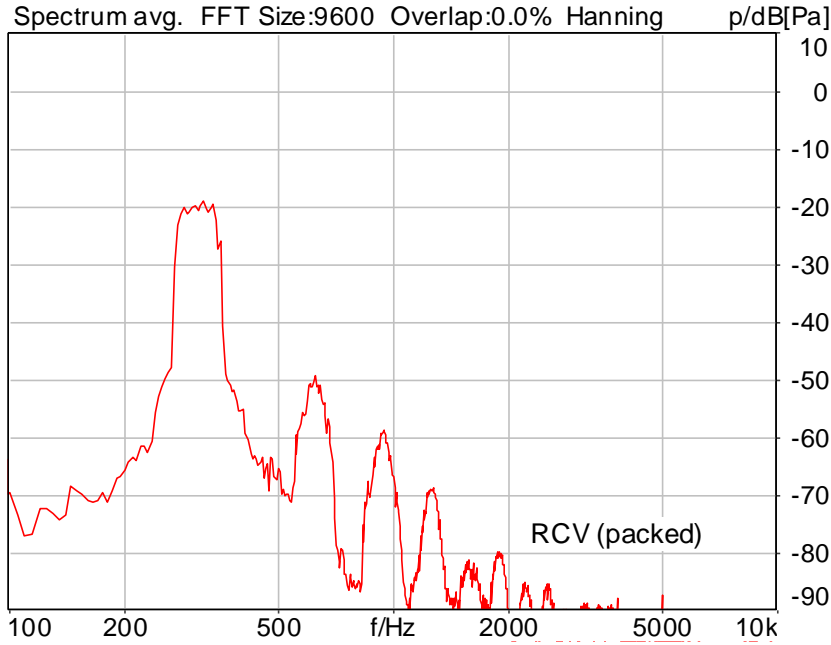
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.70 dB (4.12%) Ok

Ok

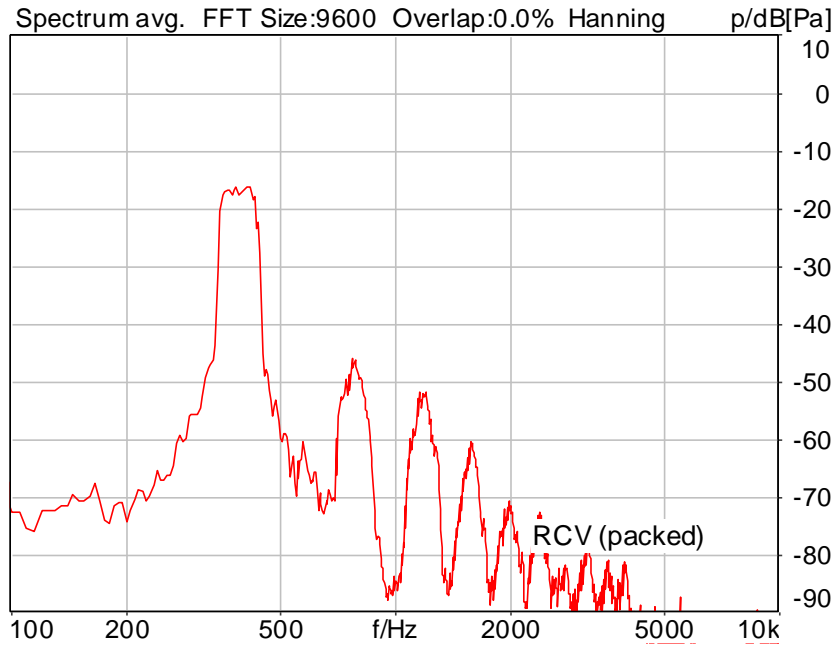2024/1/30 上午 03:14   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 31.01 dB (2.82%) Ok

Ok

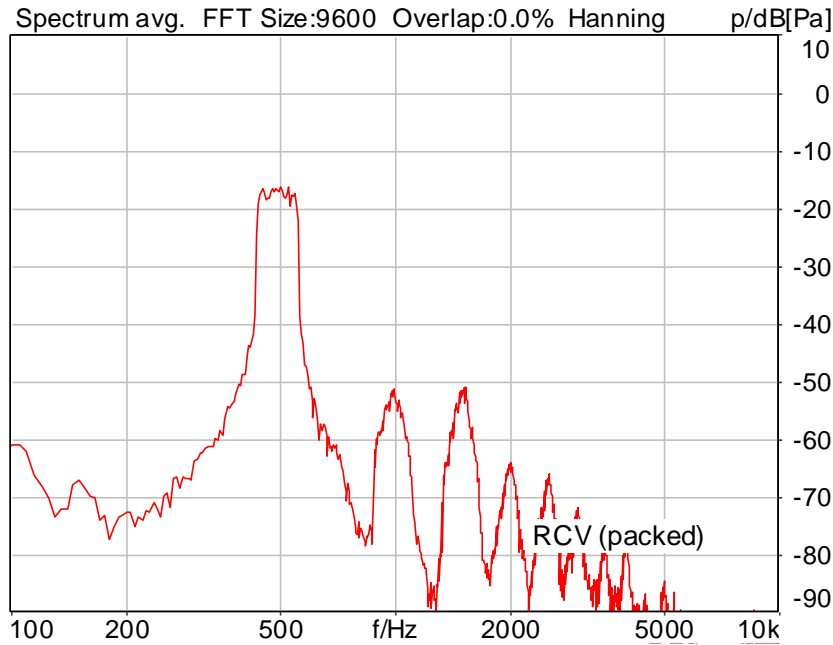2024/1/30 上午 03:15   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 29.24 dB (3.45%) Ok

Ok

2024/1/30 上午 03:15   ACQUA 5.1.200

Limits

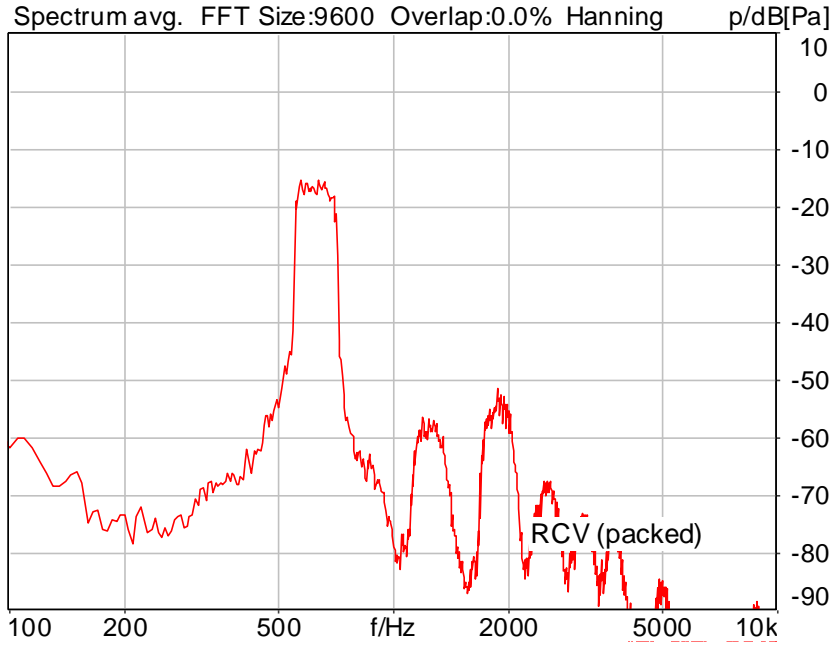|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 30.21 dB (3.09%) Ok

Ok

2024/1/30 上午 03:16   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 32.04 dB (2.50%) Ok
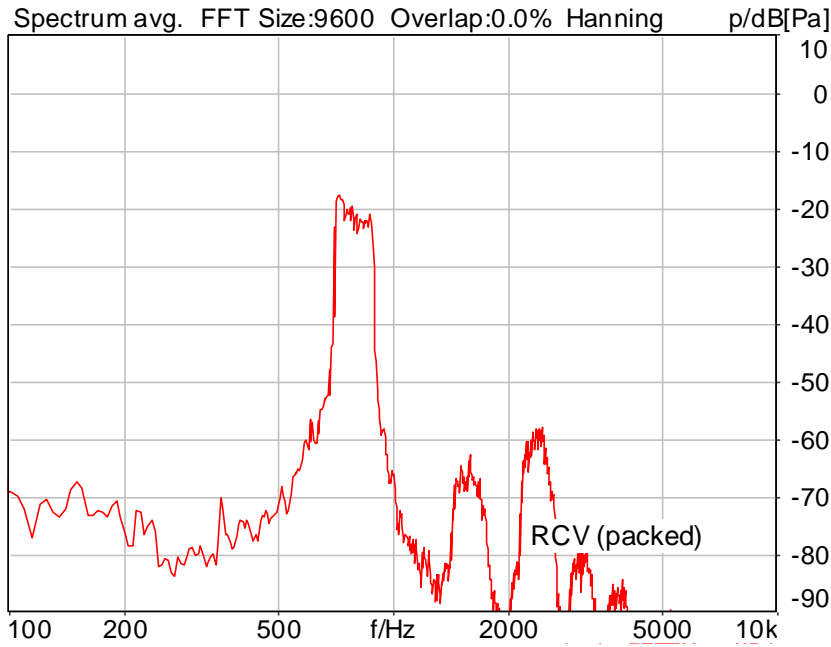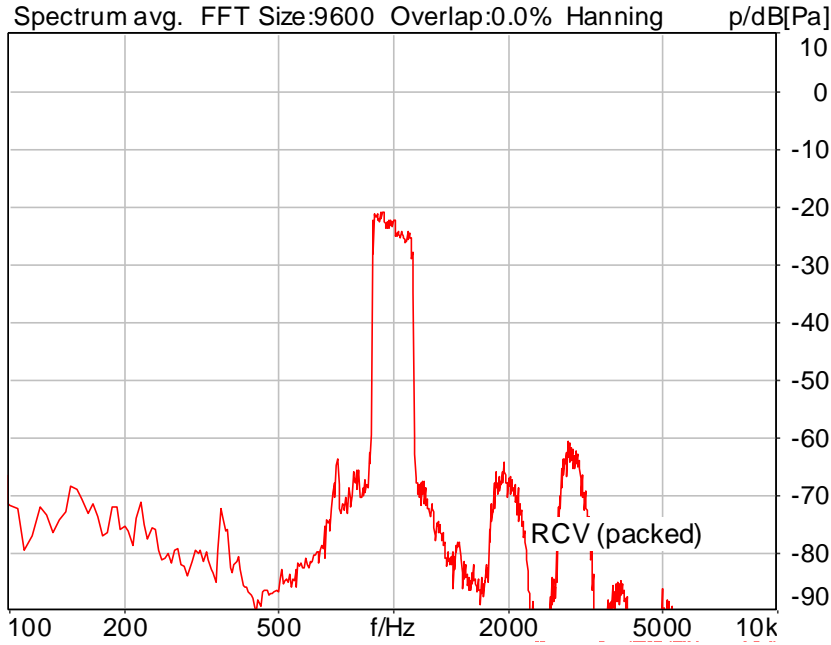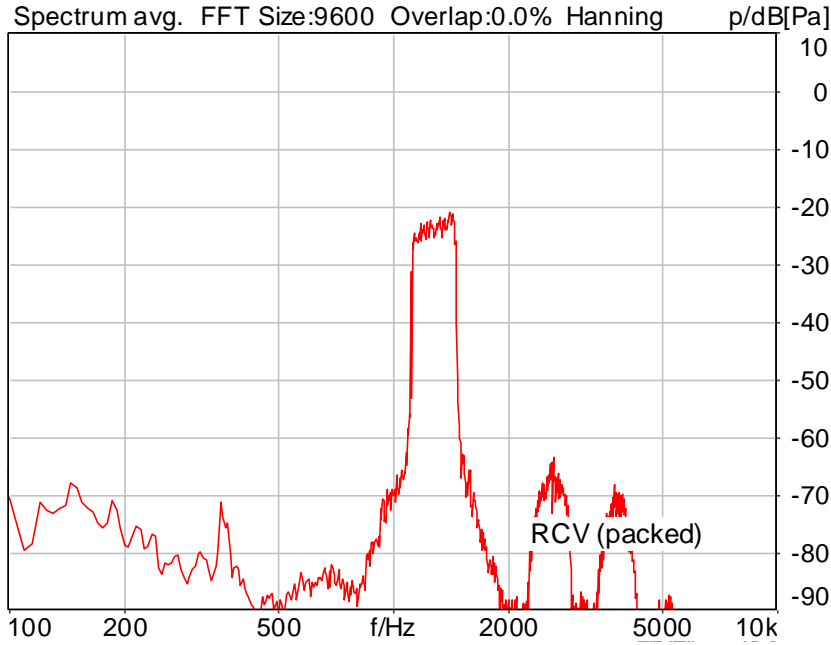
Ok

2024/1/30 上午 03:16   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 33.37 dB (2.15%) Ok

Ok

2024/1/30 上午 03:17   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 35.16 dB (1.75%) Ok

Ok

2024/1/30 上午 03:17   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 31.78 dB (2.58%) Ok

Ok
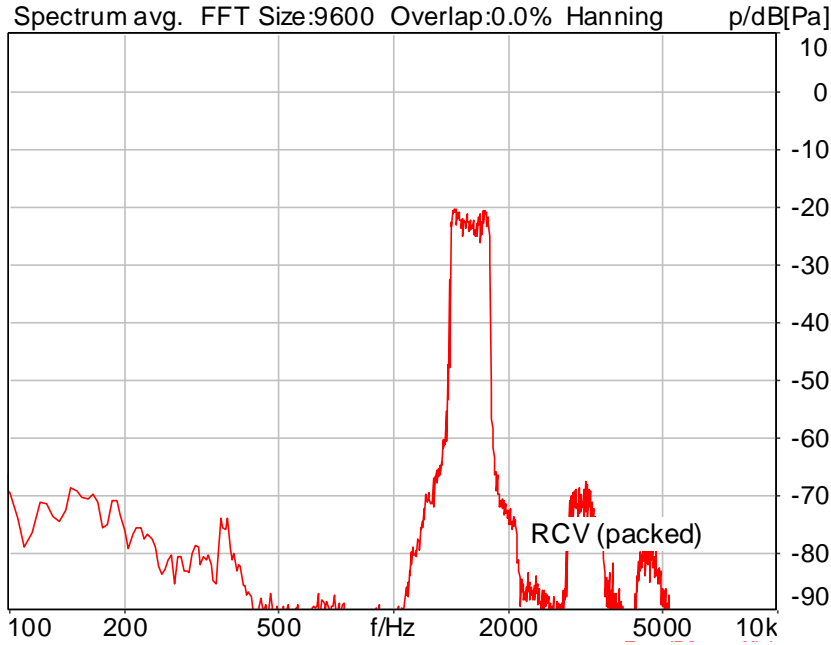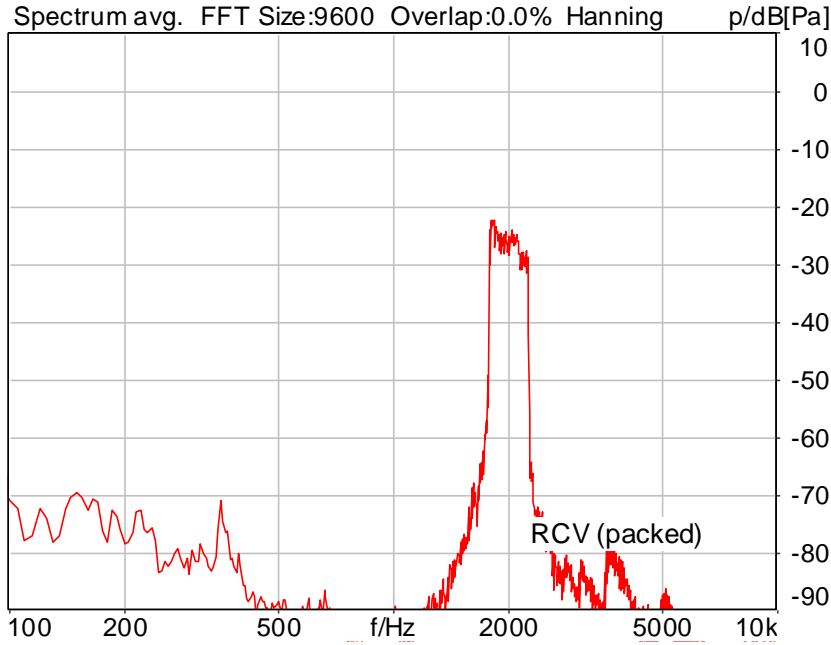
2024/1/30 上午 03:18   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 41.36 dB (0.86%) Ok

Ok

2024/1/30 上午 03:18   ACQUA 5.1.200
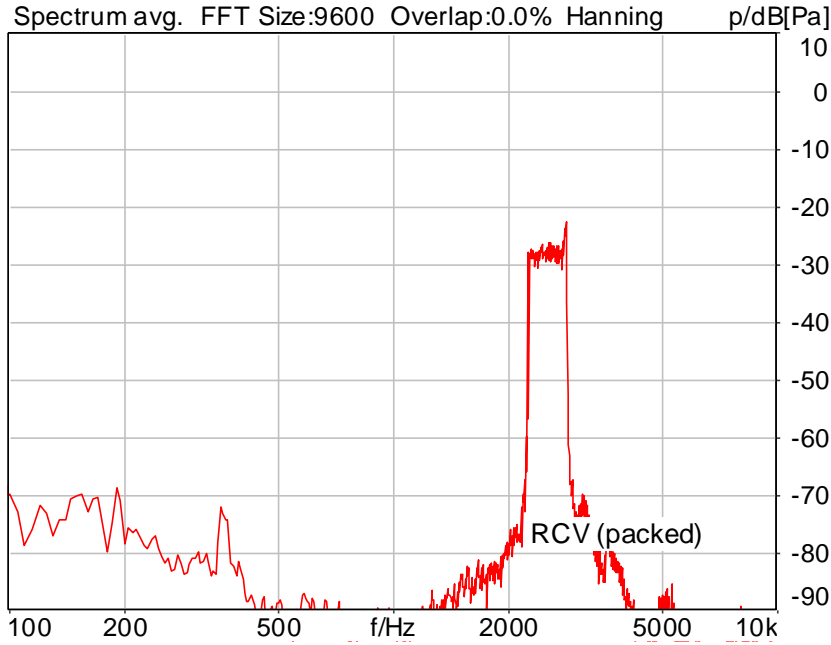
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 41.29 dB (0.86%) Ok

Ok

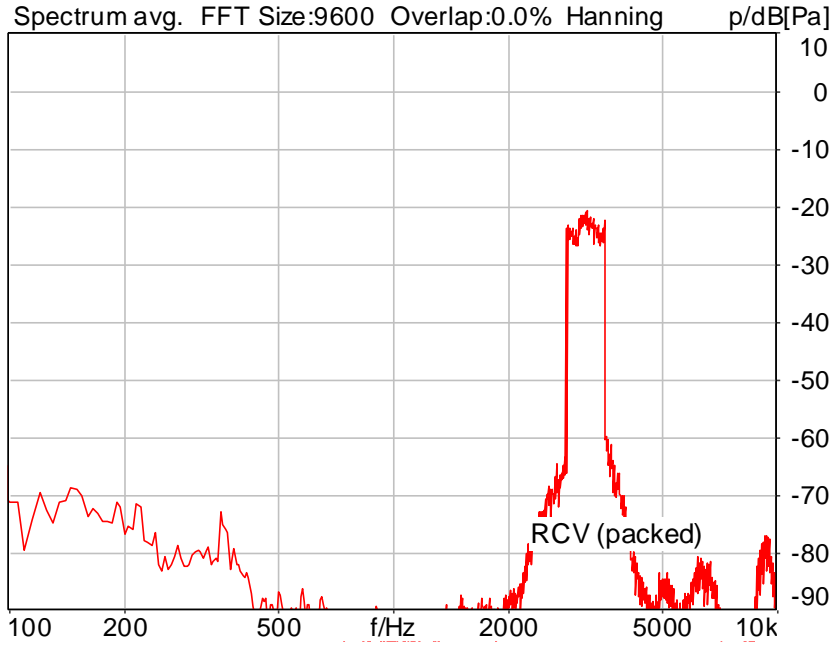2024/1/30 上午 03:19   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.03 dB (0.79%) Ok

Ok

2024/1/30 上午 03:19   ACQUA 5.1.200
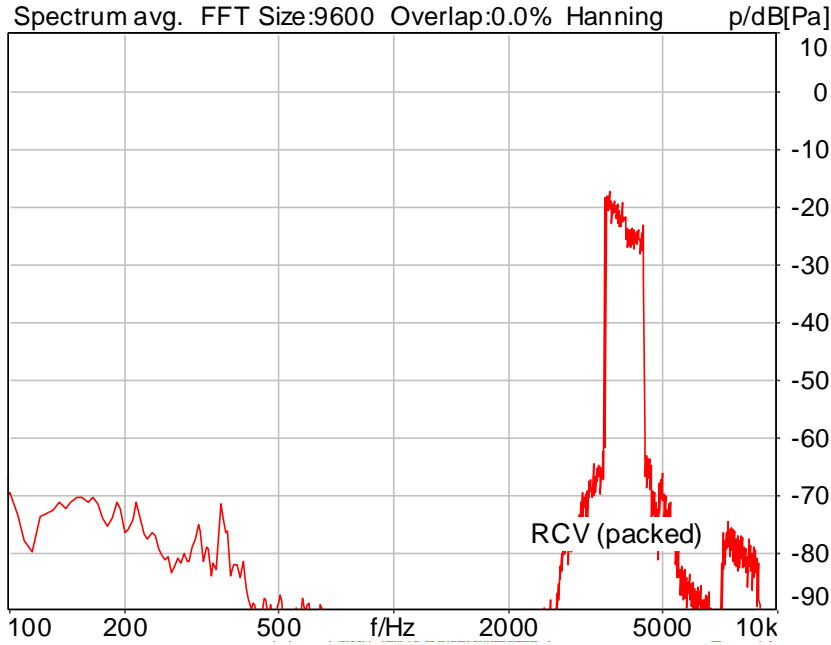
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 41.78 dB (0.81%) Ok

Ok

2024/1/30 上午 03:20   ACQUA 5.1.200
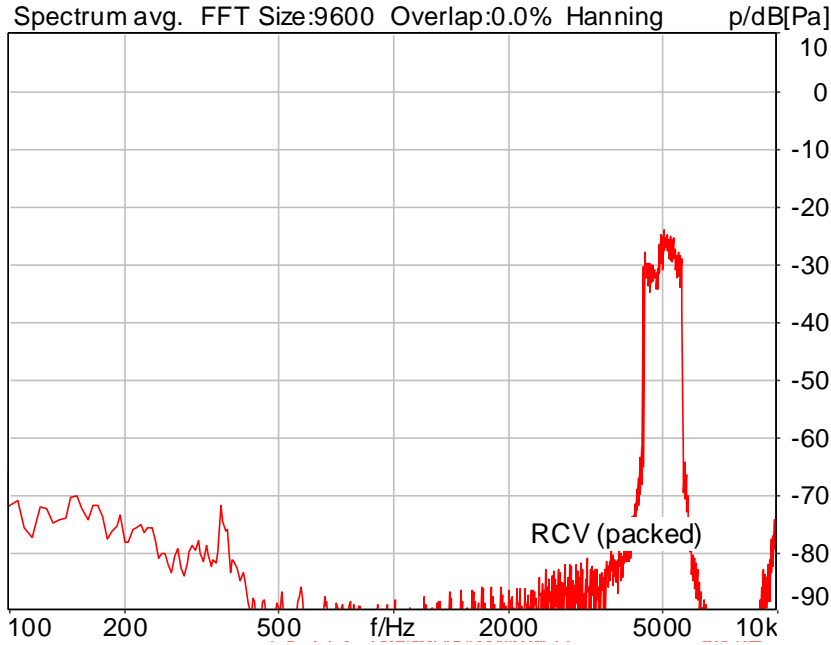

Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.99 dB (0.63%) Ok

Ok

2024/1/30 上午 03:20   ACQUA 5.1.200

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 42.65 dB (0.74%) Ok

Ok

2024/1/30　上午　03:21　　ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

5.3 Frequency Response 8N FF

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

Absolute minimal distance
0.84 dB at 576.7 Hz Ok

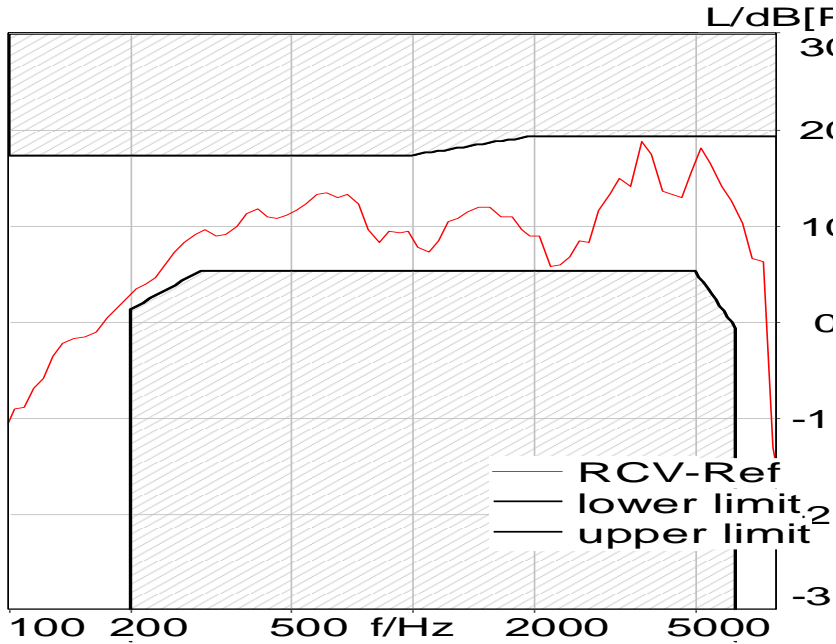**Ok**

2024/1/30 上午 03:12　　ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

5.3 Frequency Response 2N FF

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

Absolute minimal distance

0.54 dB at 3657.5 Hz Ok

Ok

2024/1/30 上午 03:21   ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

#2 NR n66 EVS NB 24.4Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	206.1
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.66
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	89.44
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.74
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.46
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.72
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.53
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.78
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.00
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.51
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.53
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.95
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.79
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.20
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.07
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.61
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.87
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.70
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.44
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.71
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.53
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.78
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.01
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.87
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.49
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.94
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.80
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.35
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.46
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.80
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.01
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	0.11
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 2721.8 Hz	1.12

Overall Receive Delay WB

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

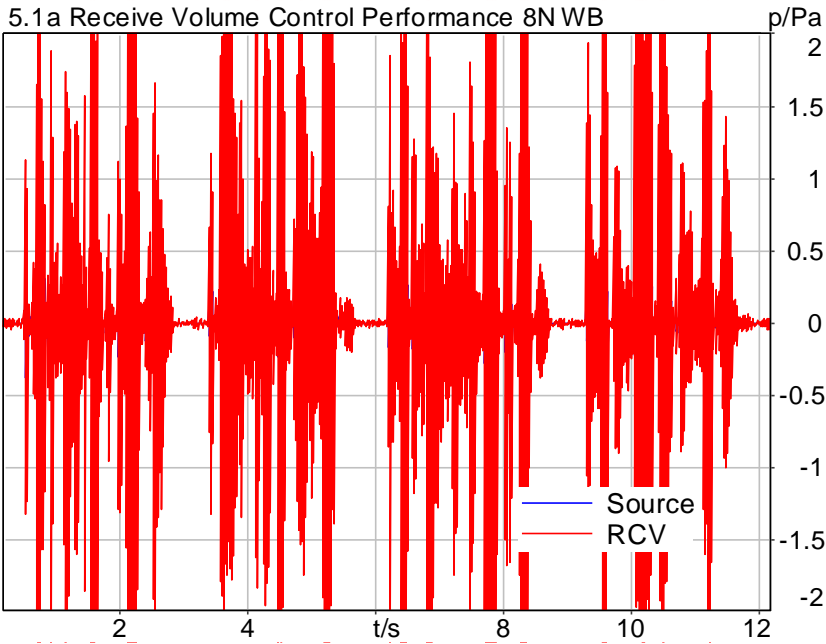Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 206.1 ms

2024/1/26 下午 02:37   ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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

5.1a Receive Volume Control Performance 8N WB

Speech Level RCV: 88.66 dB[SPL], Act.: 60.59% Ok

Ok

2024/1/26 下午 02:38   ACQUA 5.1.200

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

Speech Level RCV: 89.44 dB[SPL], Act.: 58.70% Ok

Ok

2024/1/26 下午 02:38　　ACQUA 5.1.200
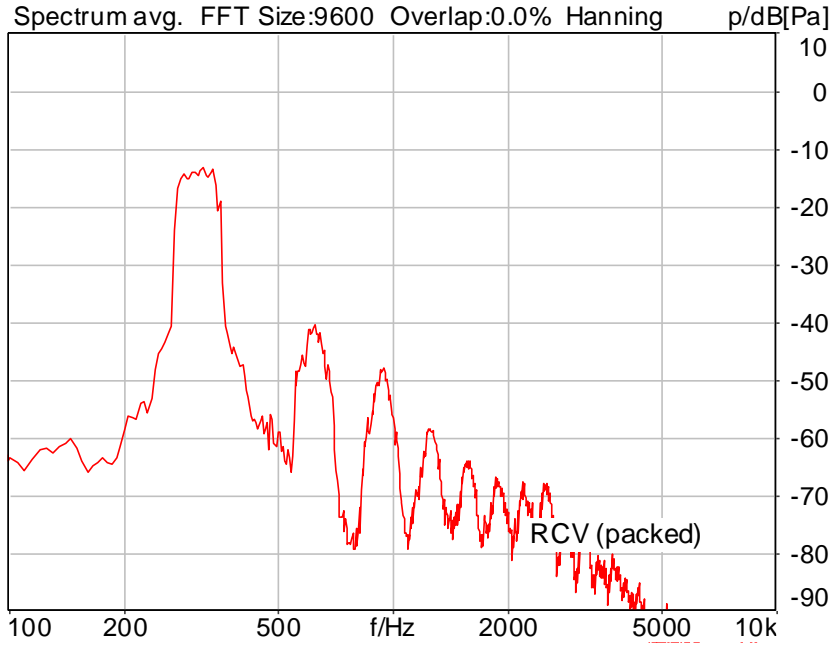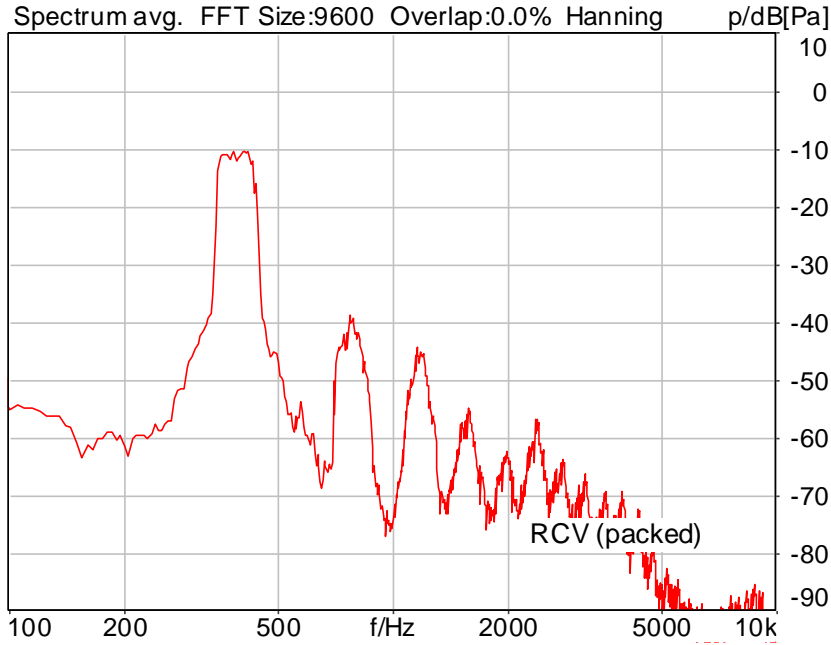
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.74 dB (4.60%) Ok

Ok

2024/1/26 下午 02:39   ACQUA 5.1.200

Limits

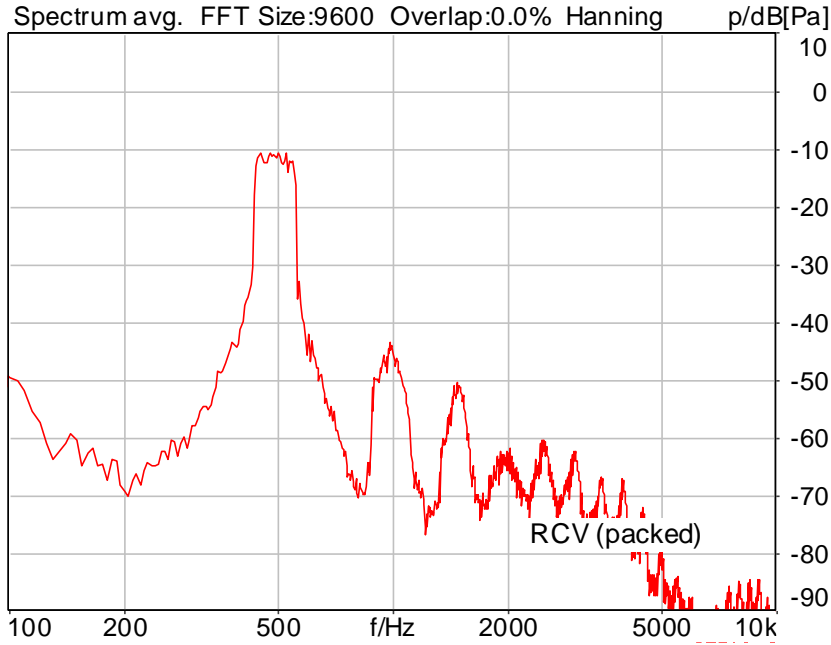|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.46 dB (4.24%) Ok

Ok

2024/1/26 下午 02:39   ACQUA 5.1.200

Limits

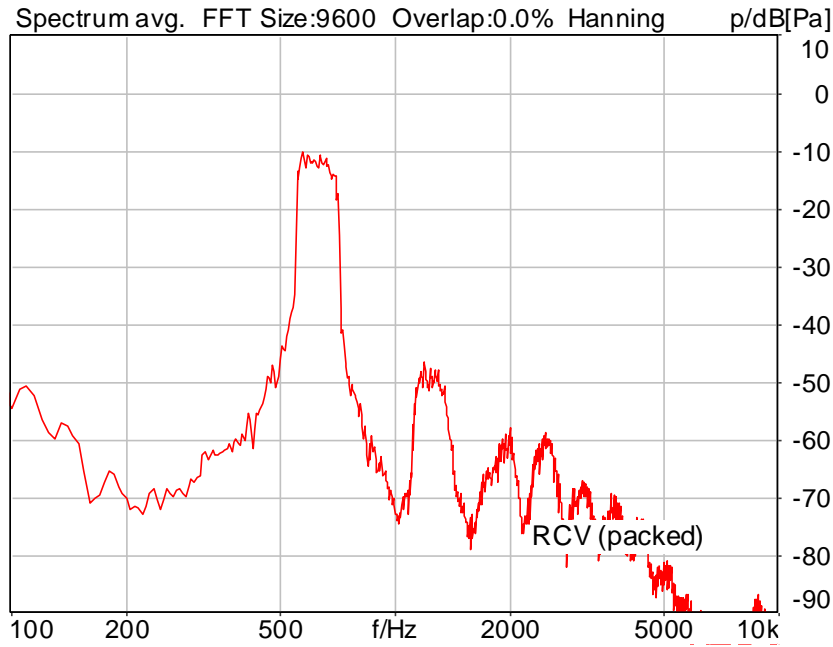|	**lower**
Run 1	20.00 dB

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

Distortion (Noise) RCV (packed): 27.72 dB (4.11%) Ok

Ok

2024/1/26 下午 02:39   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 30.53 dB (2.97%) Ok
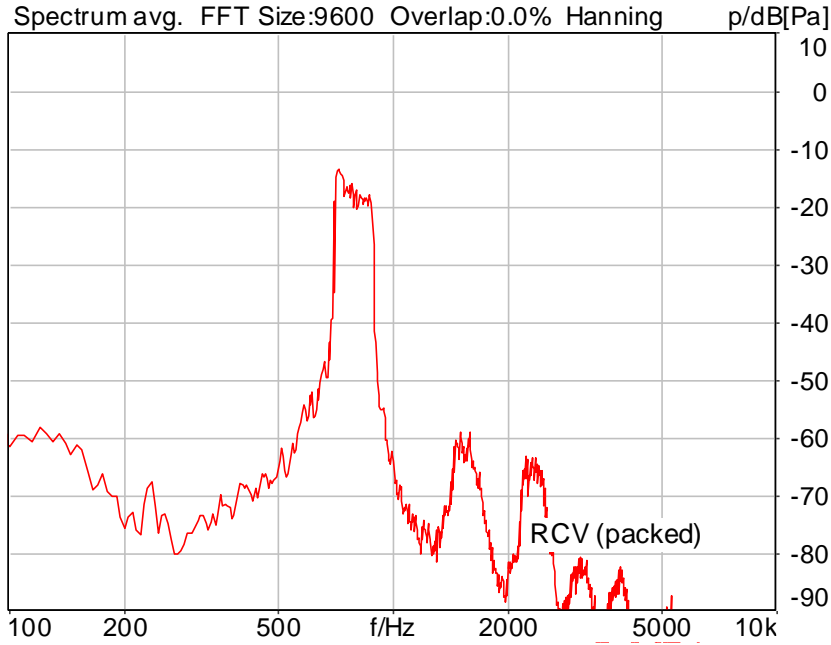
Ok
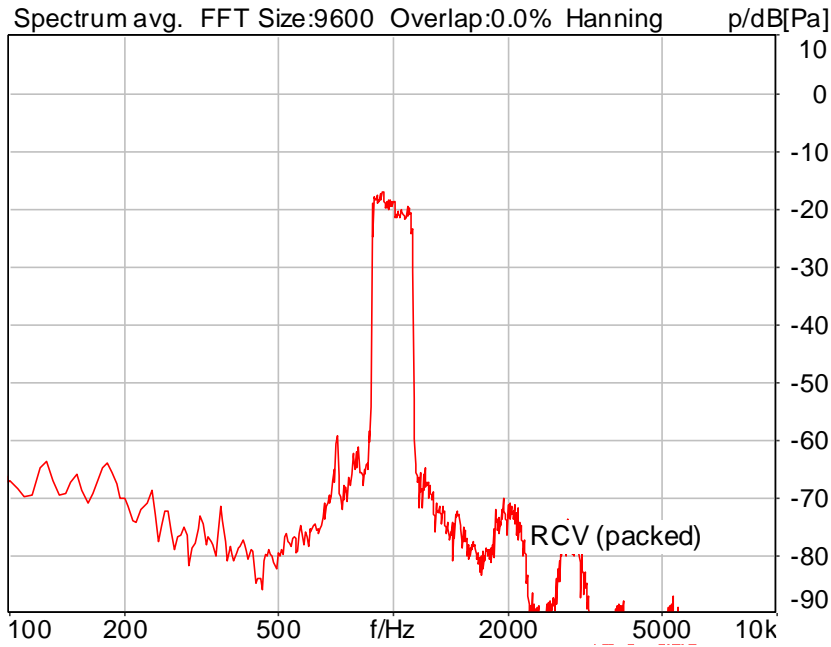
2024/1/26 下午 02:40   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 32.78 dB (2.30%) Ok

Ok

2024/1/26 下午 02:40   ACQUA 5.1.200

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 36.00 dB (1.59%) Ok

Ok

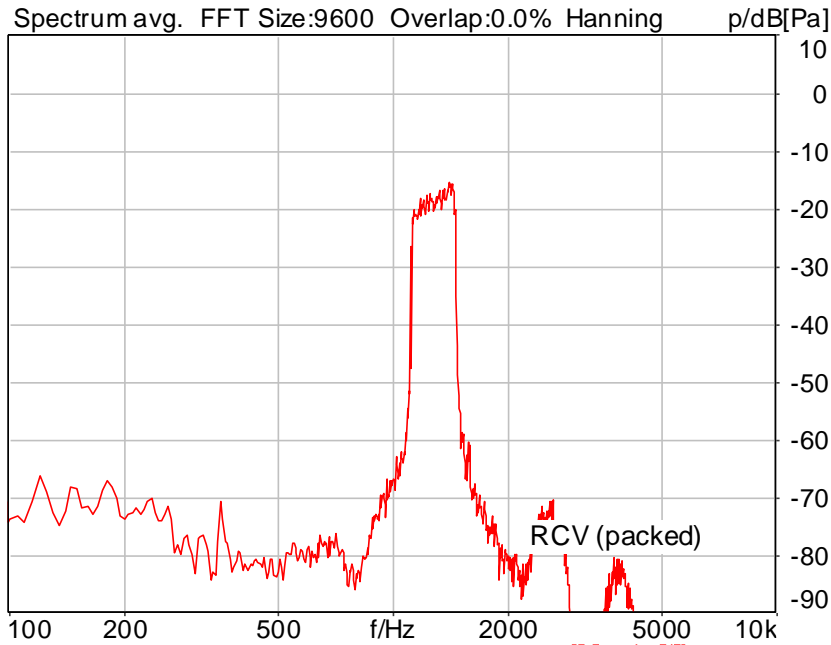2024/1/26 下午 02:41　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.51 dB (0.67%) Ok

Ok

2024/1/26 下午 02:41   ACQUA 5.1.200
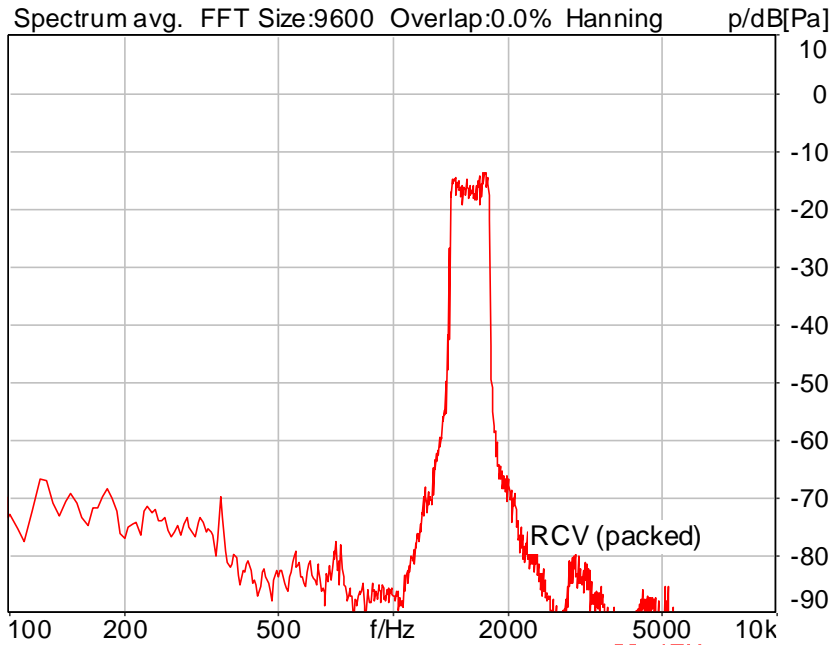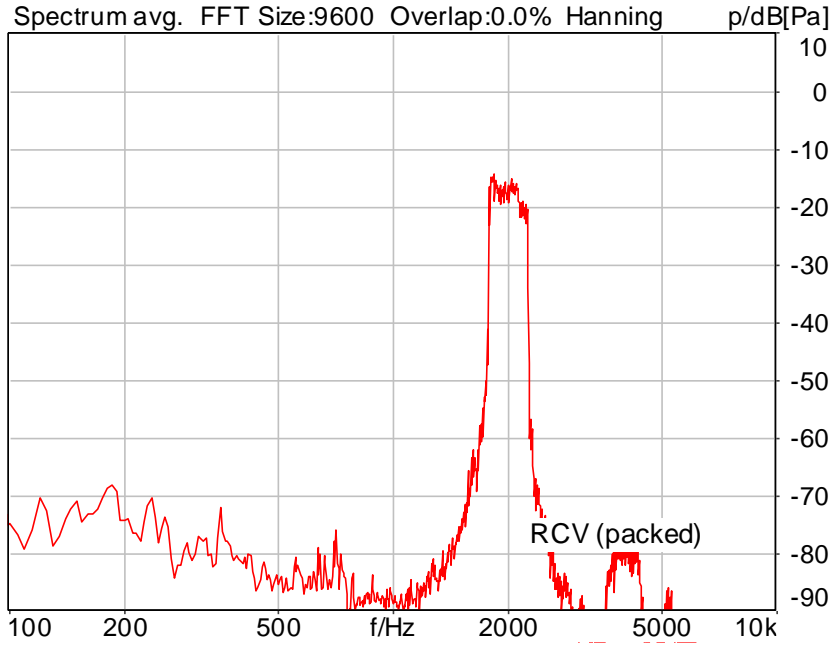

Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 32.53 dB (2.36%) Ok

Ok

2024/1/26 下午 02:42   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 44.95 dB (0.57%) Ok

Ok

2024/1/26 下午 02:42   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 43.79 dB (0.65%) Ok
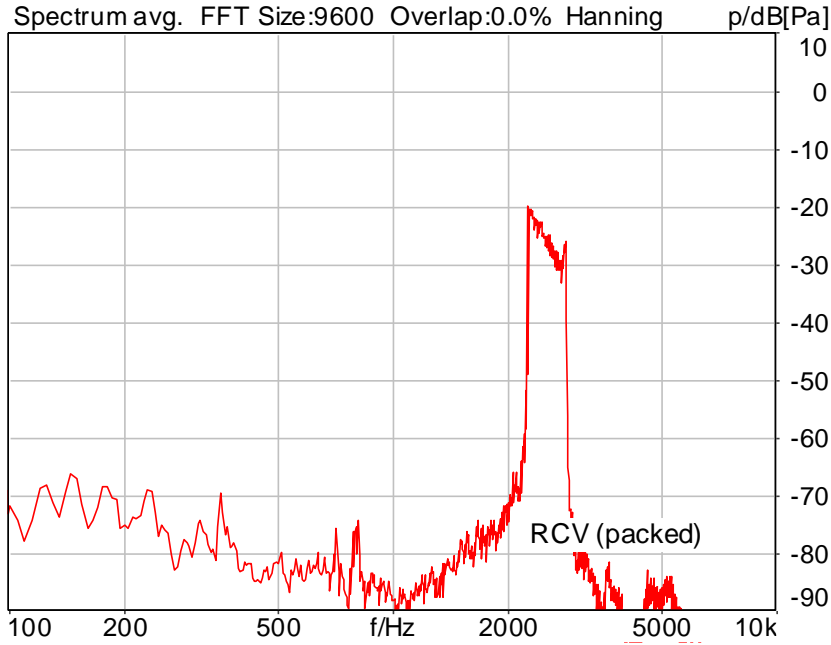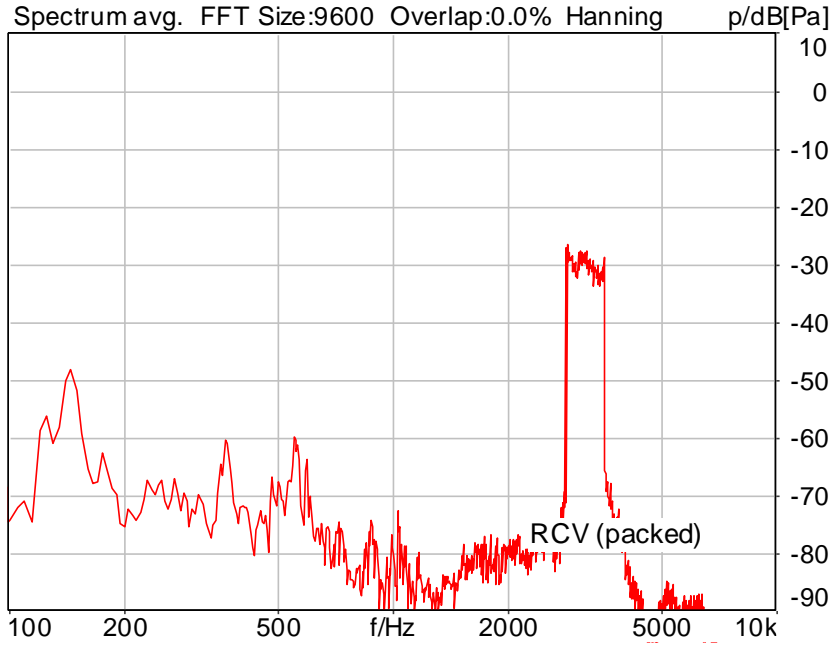
Ok
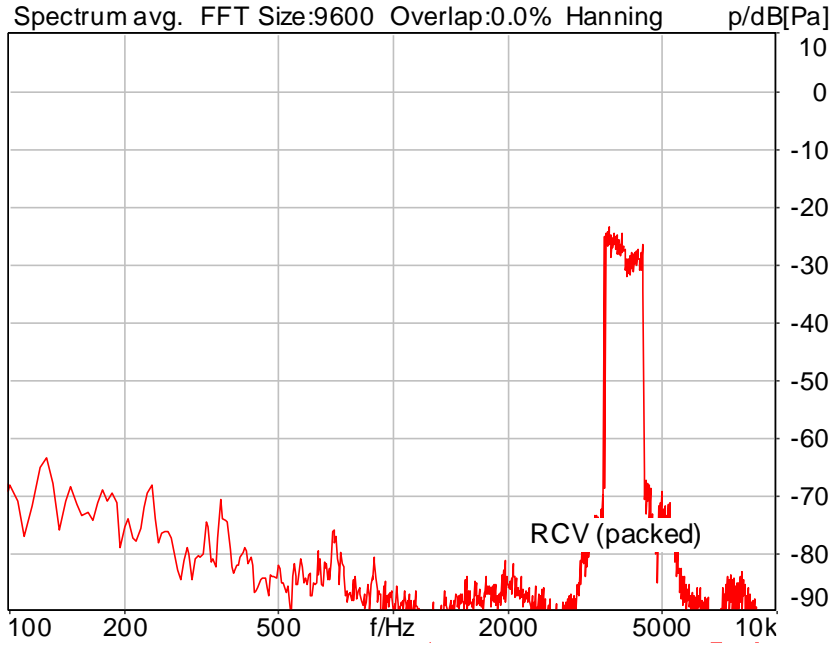
2024/1/26 下午 02:43   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.20 dB (0.69%) Ok

Ok

2024/1/26 下午 02:43   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 39.07 dB (1.11%) Ok

Ok

2024/1/26 下午 02:44   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 43.61 dB (0.66%) Ok
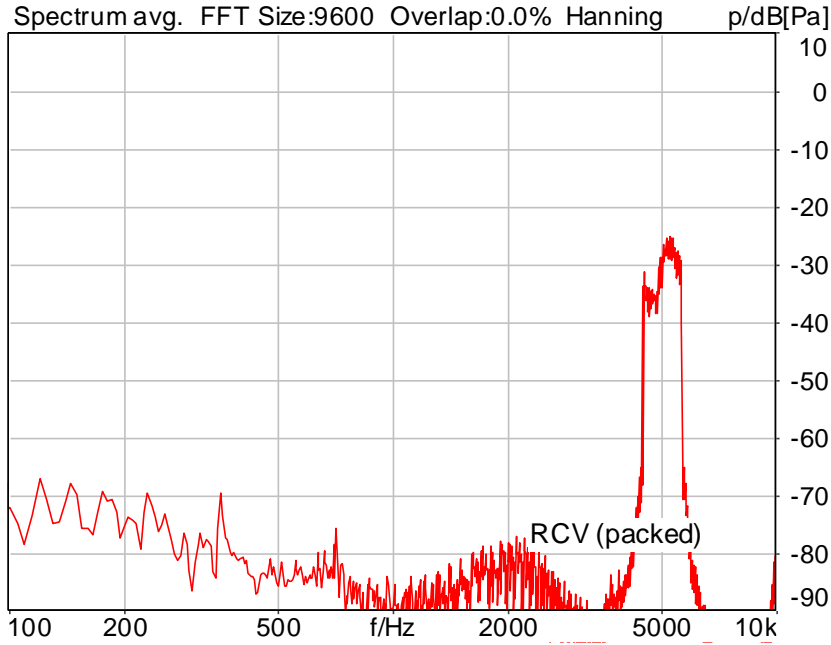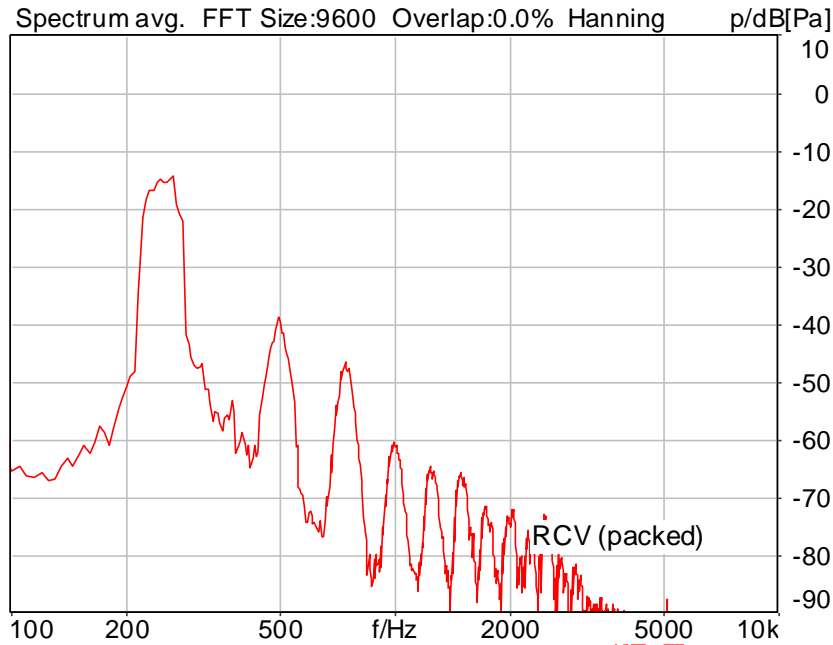
Ok

2024/1/26 下午 02:44   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.87 dB (0.72%) Ok

Ok

2024/1/26 下午 02:45   ACQUA 5.1.200
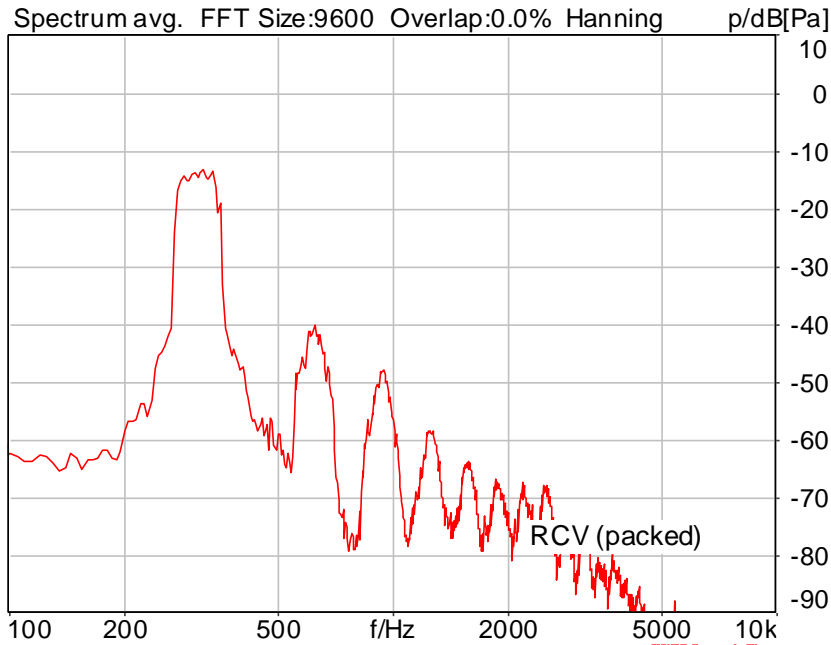
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.70 dB (4.63%) Ok

Ok

2024/1/26 下午 02:45   ACQUA 5.1.200

Limits

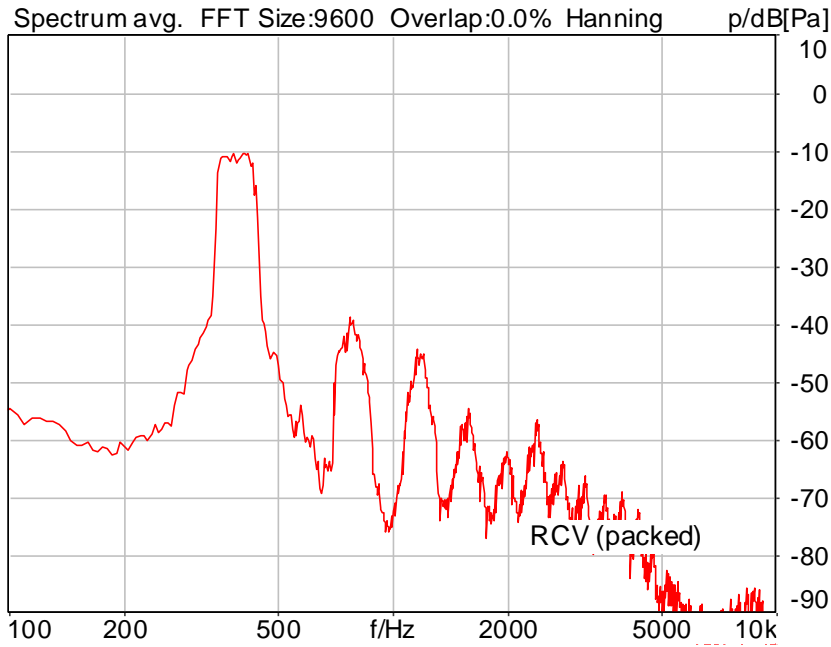|	**lower**
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.44 dB (4.25%) Ok

Ok

2024/1/26 下午 02:46   ACQUA 5.1.200
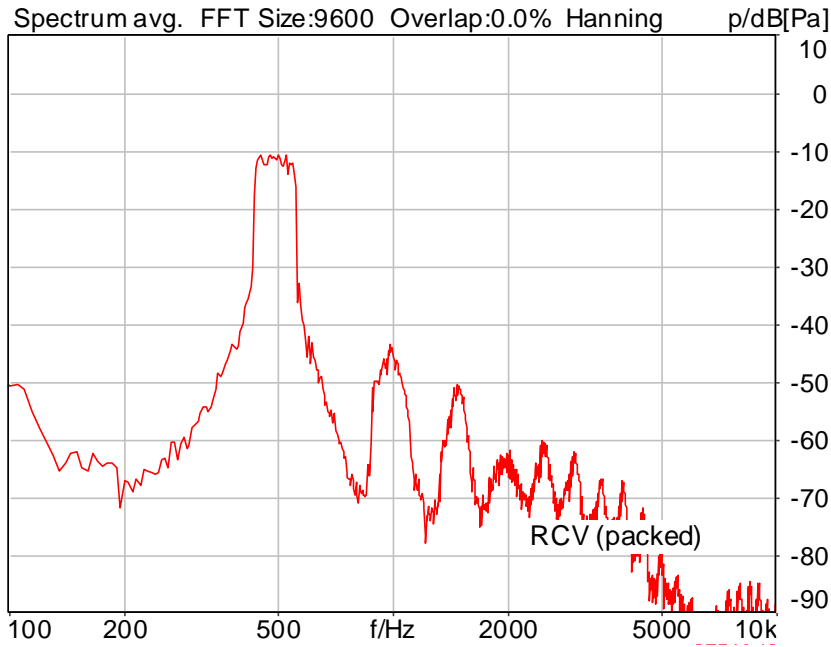
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.71 dB (4.12%) Ok

Ok

2024/1/26 下午 02:46   ACQUA 5.1.200

Limits

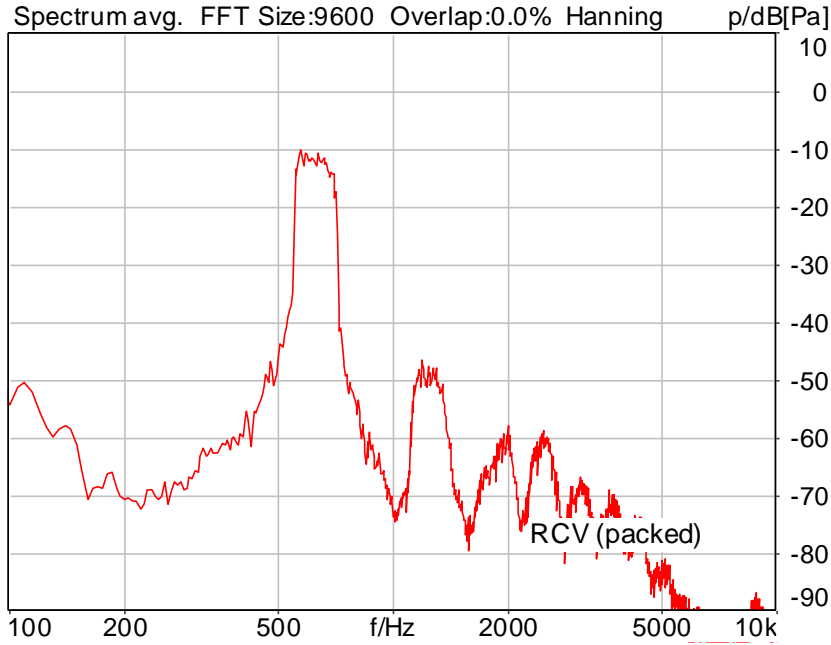|	lower
Run 1	20.00 dB

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 30.53 dB (2.97%) Ok

Ok

2024/1/26 下午 02:47　　ACQUA 5.1.200
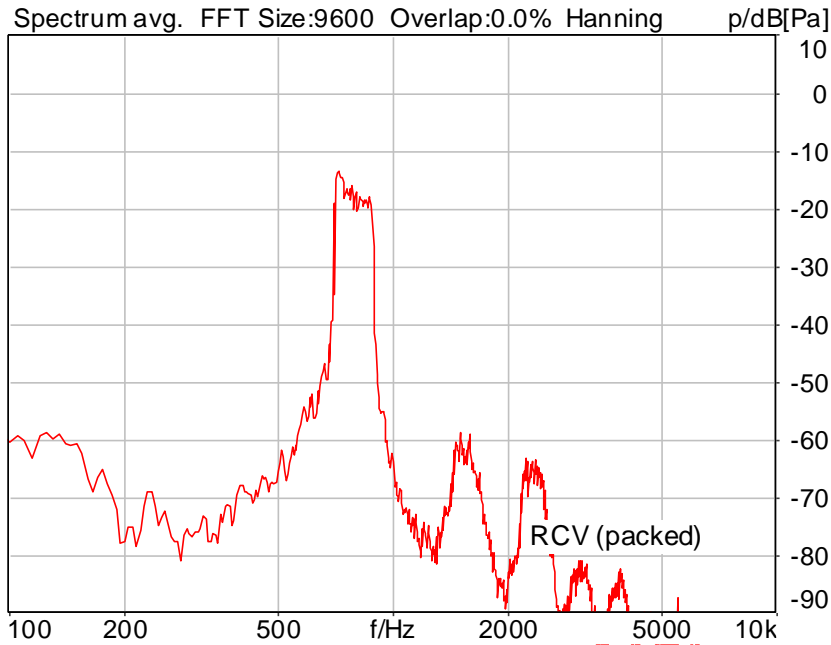
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 32.78 dB (2.30%) Ok

Ok

2024/1/26 下午 02:47   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 36.01 dB (1.58%) Ok
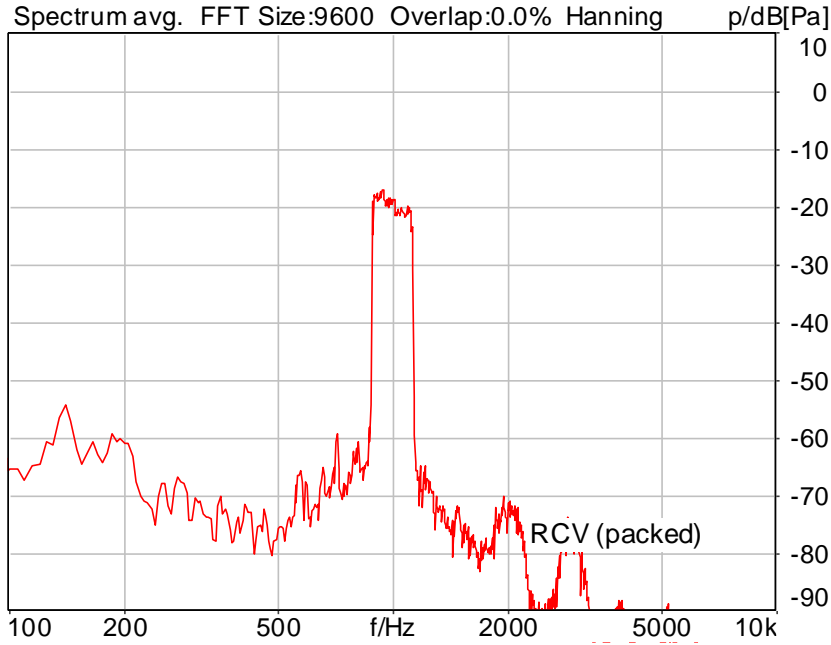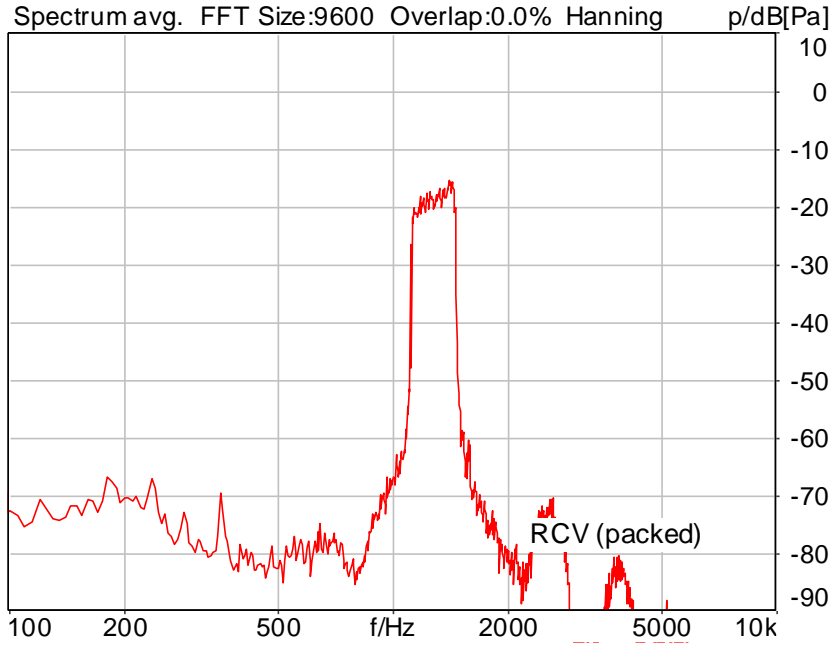
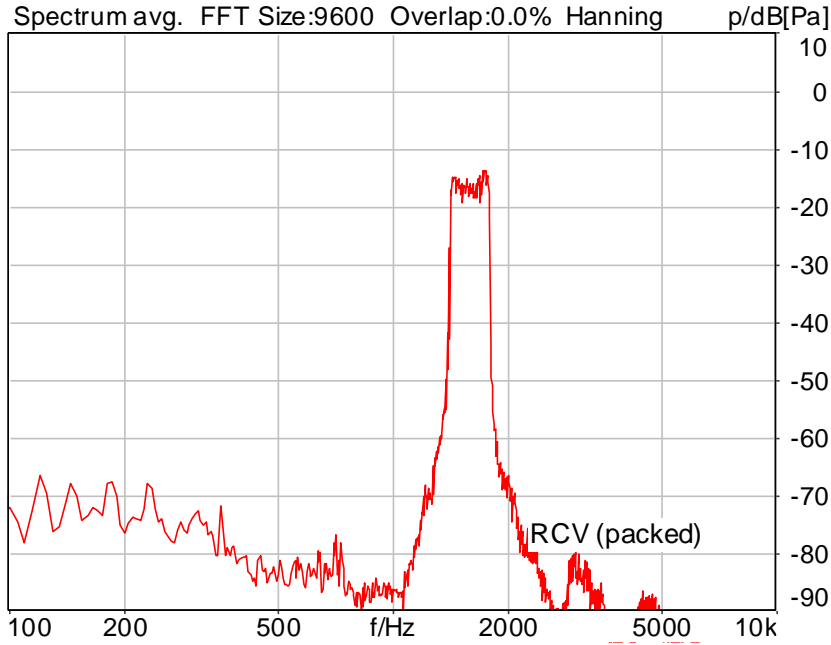**Ok**

2024/1/26 下午 02:48   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.87 dB (0.72%) Ok

Ok

2024/1/26 下午 02:48   ACQUA 5.1.200

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

RCV (packed)

Distortion (Noise) RCV (packed): 32.49 dB (2.37%) Ok

Ok

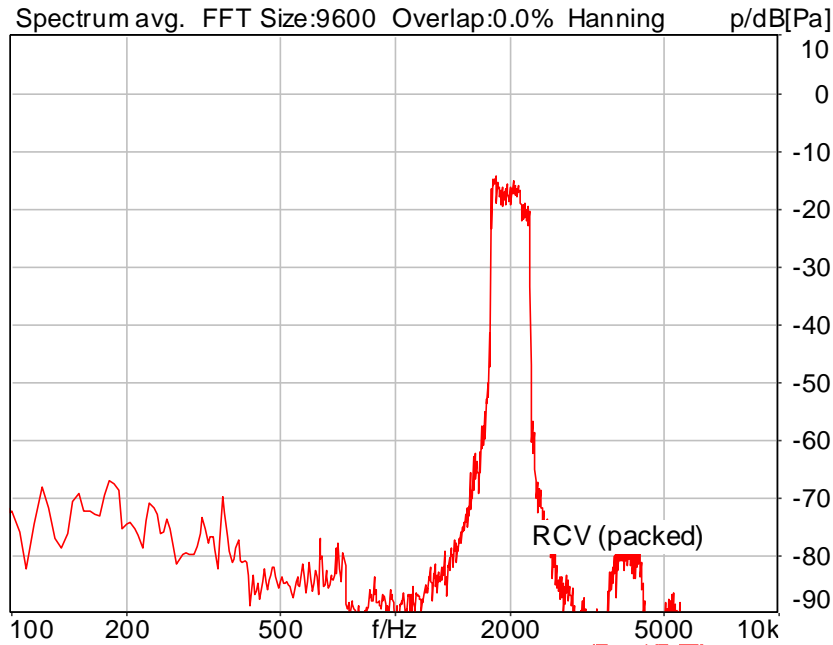2024/1/26 下午 02:49　　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 44.94 dB (0.57%) Ok

Ok

2024/1/26 下午 02:49   ACQUA 5.1.200

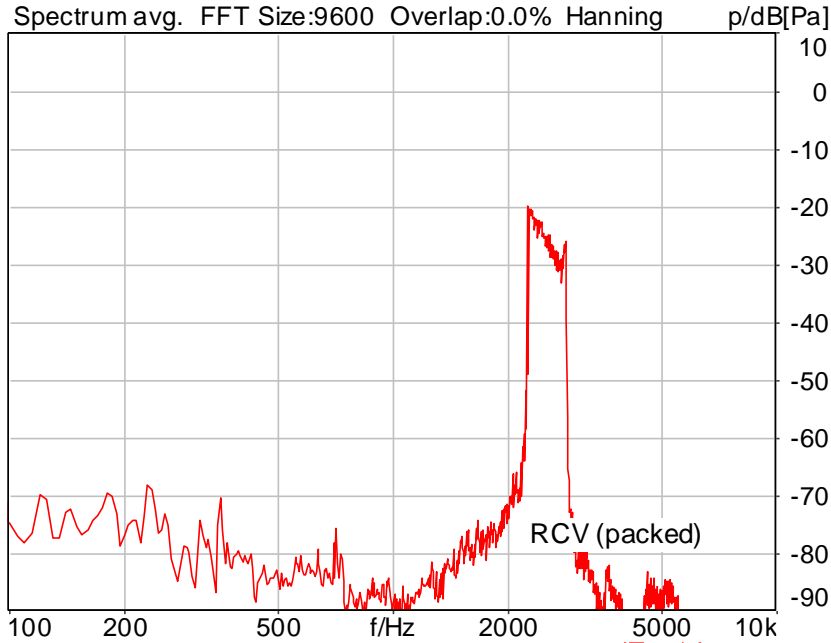**Limits**

	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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 43.80 dB (0.65%) Ok

Ok

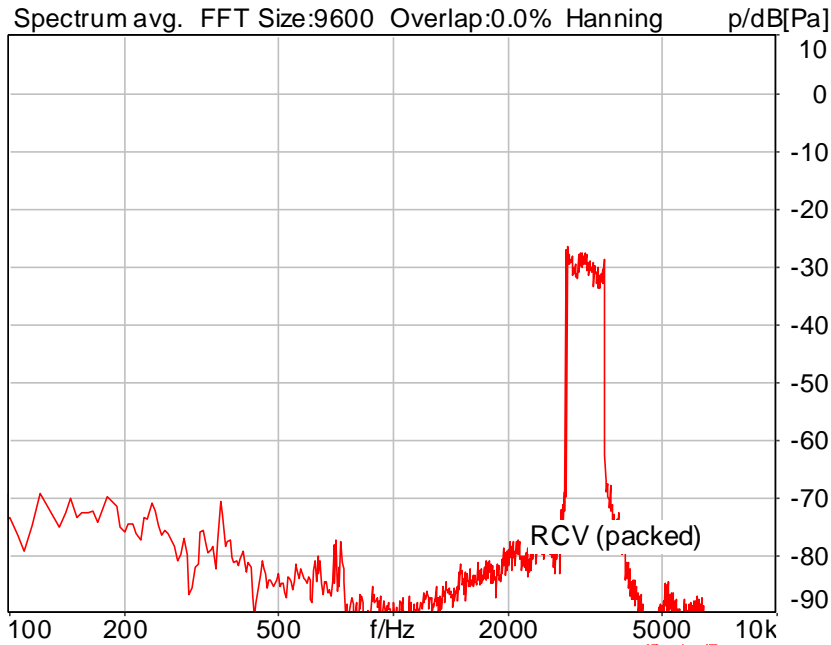2024/1/26 下午 02:50　　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.35 dB (0.68%) Ok

Ok

2024/1/26 下午 02:50   ACQUA 5.1.200
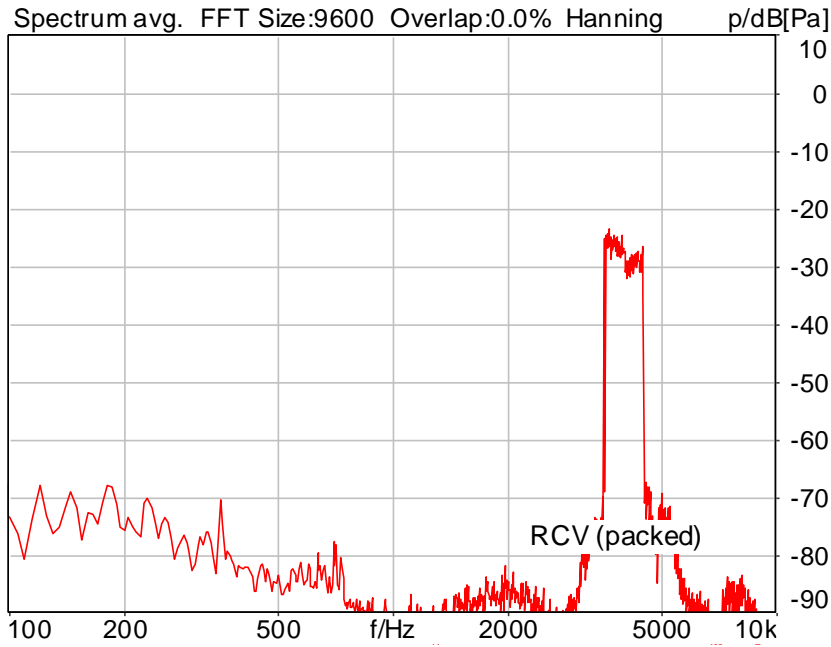
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 41.46 dB (0.85%) Ok

Ok

2024/1/26 下午 02:51   ACQUA 5.1.200

Limits

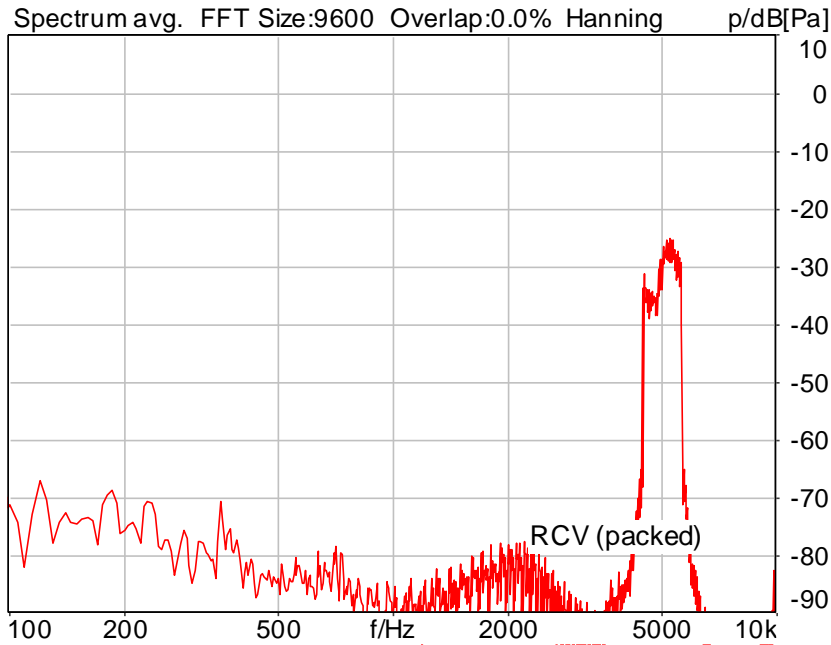|	lower
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.80 dB (0.65%) Ok

Ok

2024/1/26 下午 02:51   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.01 dB (0.71%) Ok

Ok

2024/1/26 下午 02:52   ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

5.3 Frequency Response 8N FF

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

Absolute minimal distance

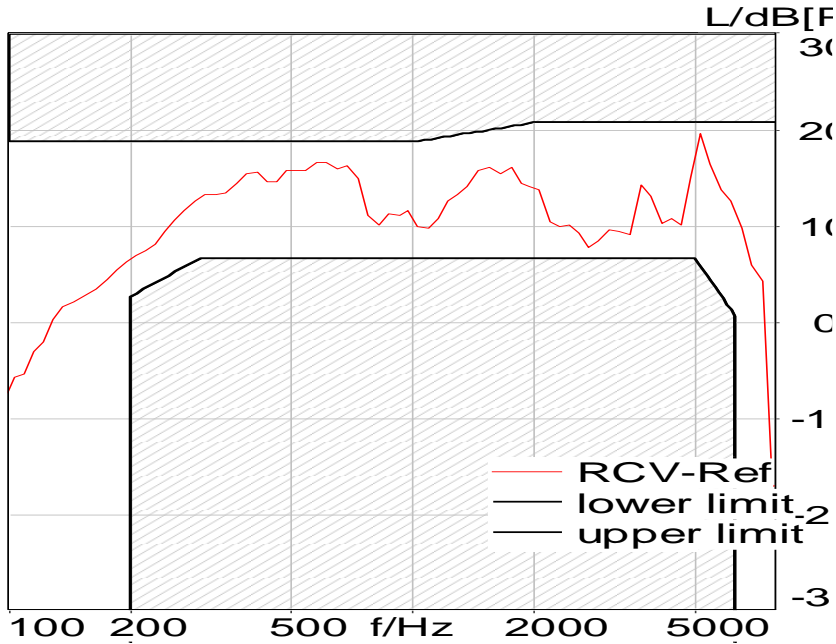0.11 dB at 576.7 Hz Ok

Ok

2024/1/26 下午 02:52   ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

5.3 Frequency Response 2N FF

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

Absolute minimal distance

1.12 dB at 2721.8 Hz Ok

Ok

2024/1/26 下午 02:54   ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

#3 WiFi 5GHz EVS WB 24.4Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	272.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.36
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.95
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.85
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.40
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.80
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.79
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.32
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.65
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.95
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.48
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.00
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.77
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.10
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.38
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.91
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.04
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.55
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.41
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.96
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.97
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.67
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.96
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.97
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	20.09
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.78
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.85
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.14
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.98
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.72
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.31
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	0.59
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	1.41

Overall Receive Delay WB

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

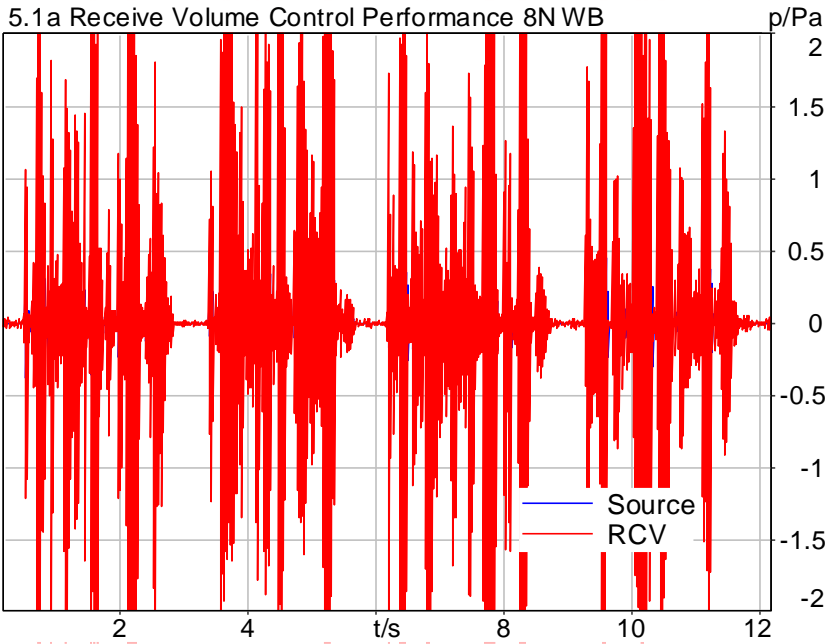Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelor %

Delay (Cross): 272.8 ms

2024/1/25 下午 05:46   ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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

5.1a Receive Volume Control Performance 8N WB

Speech Level RCV: 88.36 dB[SPL], Act.: 56.47% Ok

Ok

2024/1/25 下午 05:46   ACQUA 5.1.200

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

Speech Level RCV: 88.95 dB[SPL], Act.: 58.98% Ok

Ok

2024/1/25 下午 05:46   ACQUA 5.1.200
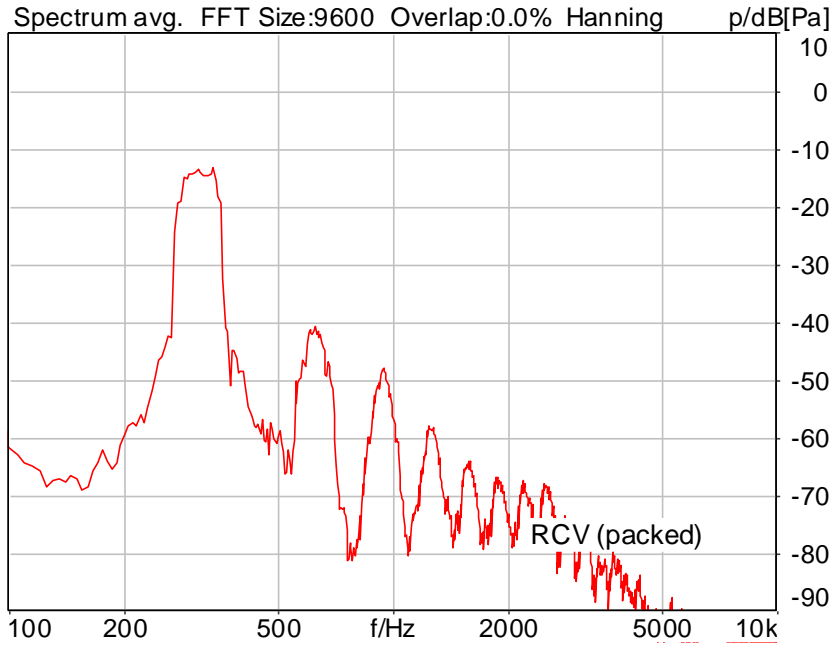
Limits

	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

Distortion (Noise) RCV (packed): 26.85 dB (4.54%) Ok
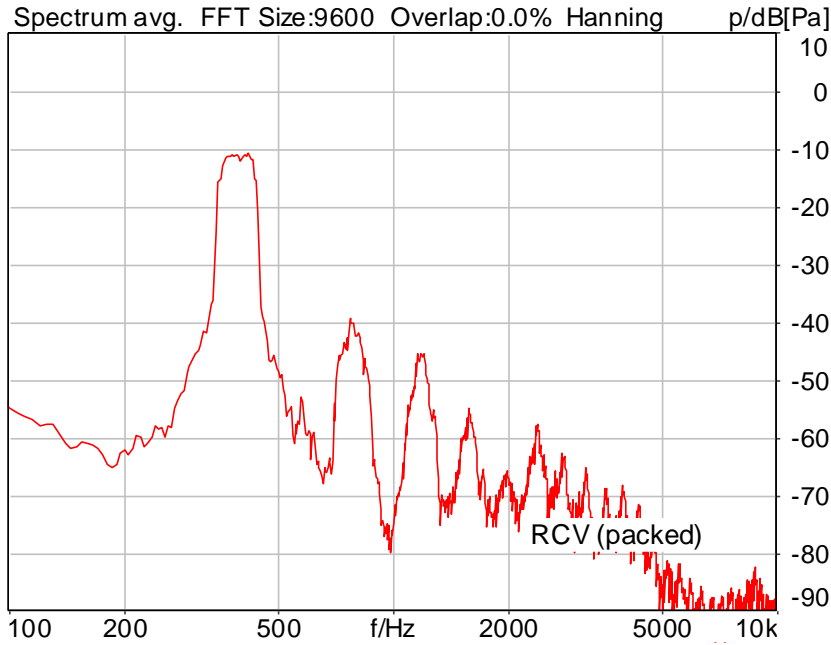
Ok

2024/1/25 下午 05:47   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 27.40 dB (4.27%) Ok
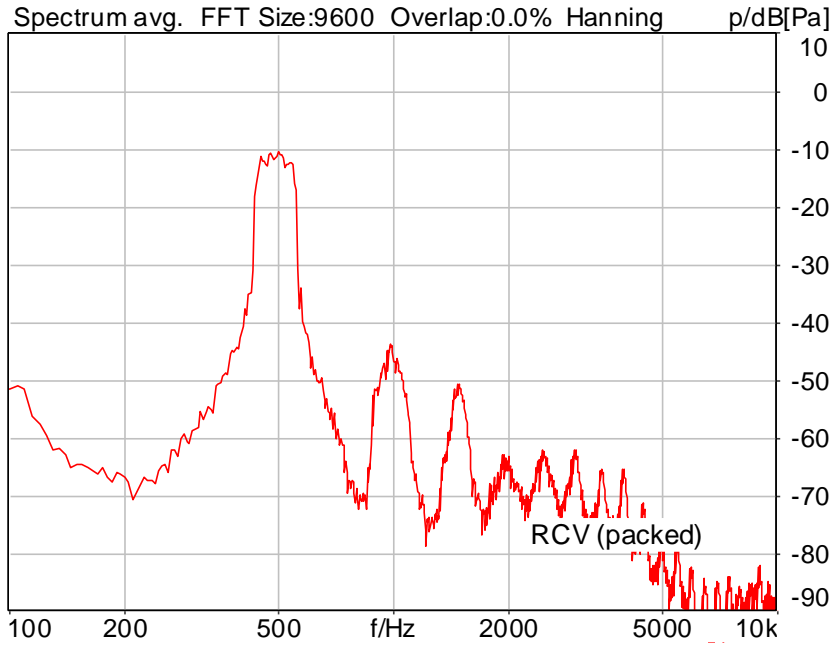
Ok

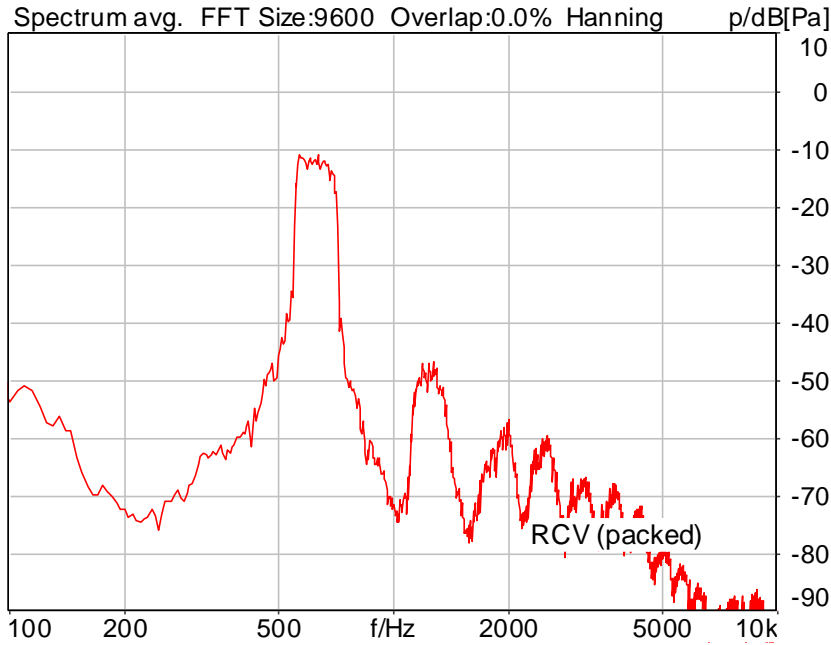2024/1/25 下午 05:47   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.80 dB (4.07%) Ok

Ok

2024/1/25 下午 05:48   ACQUA 5.1.200
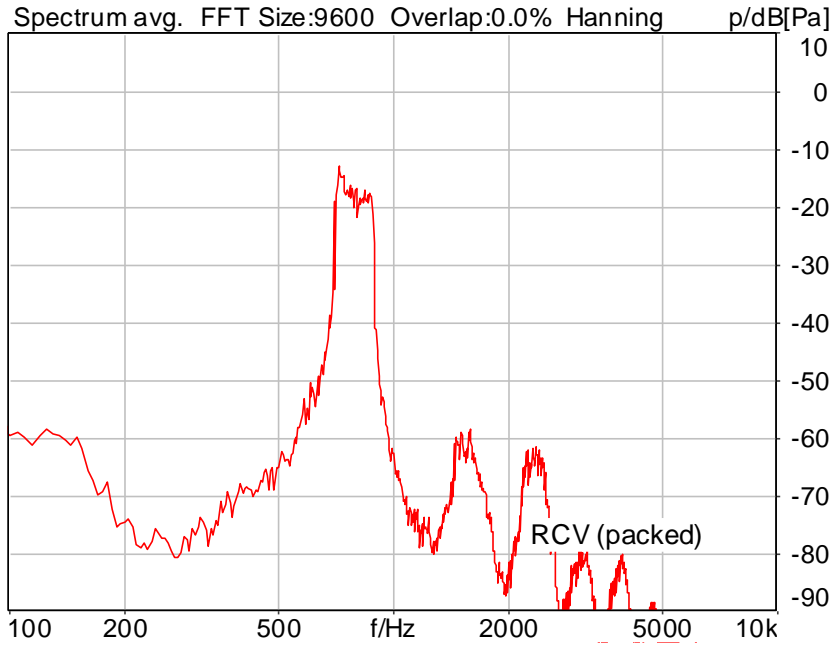
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 30.79 dB (2.89%) Ok

Ok

2024/1/25 下午 05:48   ACQUA 5.1.200
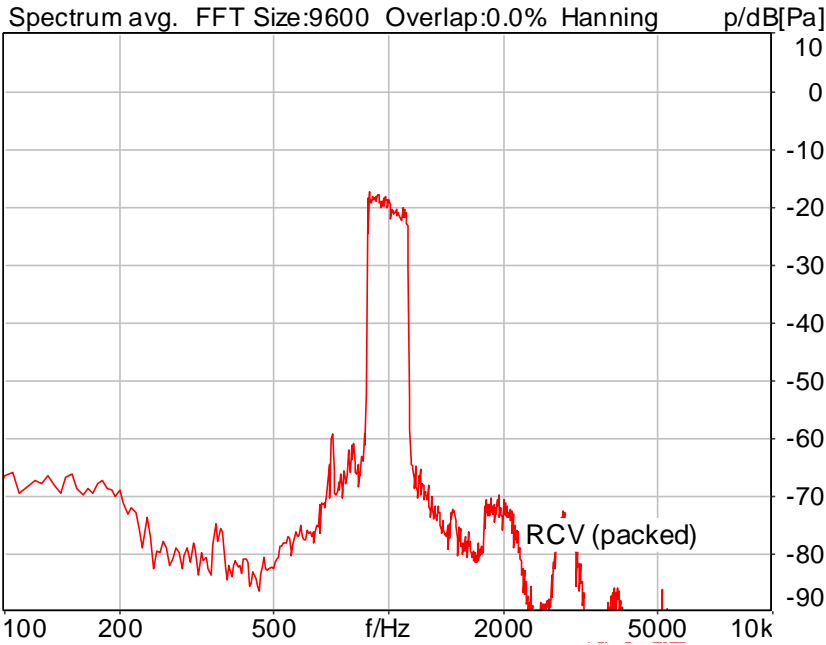
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 32.32 dB (2.42%) Ok

Ok

2024/1/25 下午 05:49   ACQUA 5.1.200
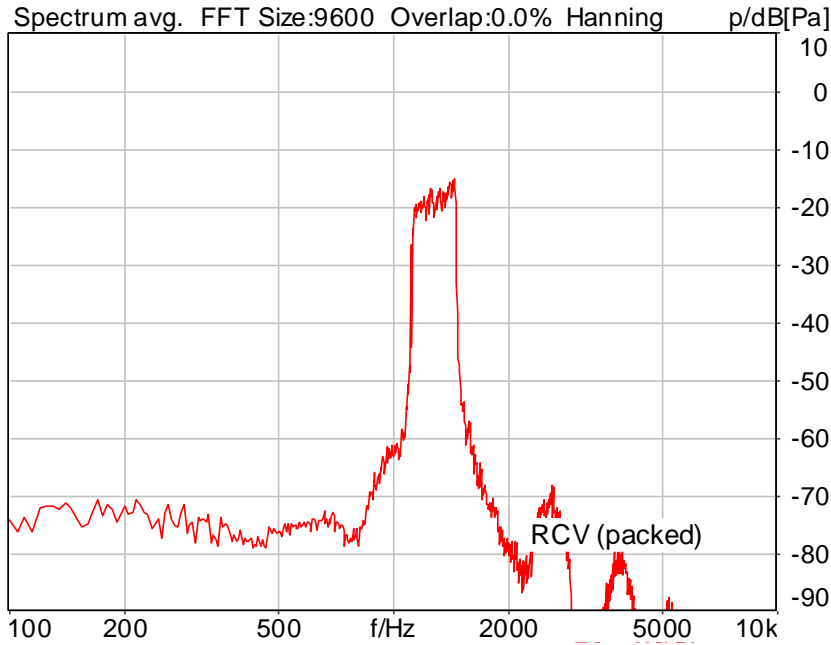
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 34.65 dB (1.85%) Ok

Ok

2024/1/25 下午 05:49   ACQUA 5.1.200

___
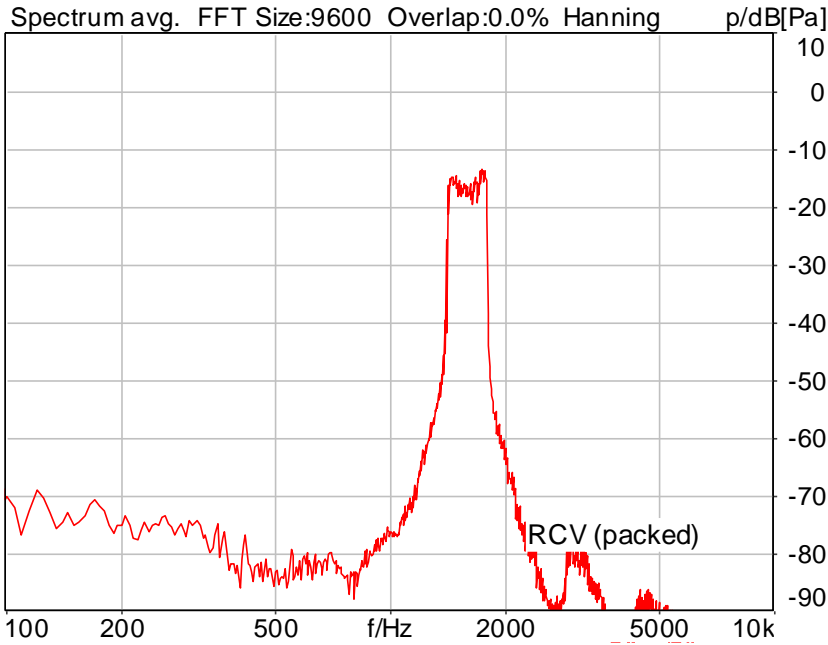
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 42.95 dB (0.71%) Ok

Ok

2024/1/25 下午 05:50   ACQUA 5.1.200
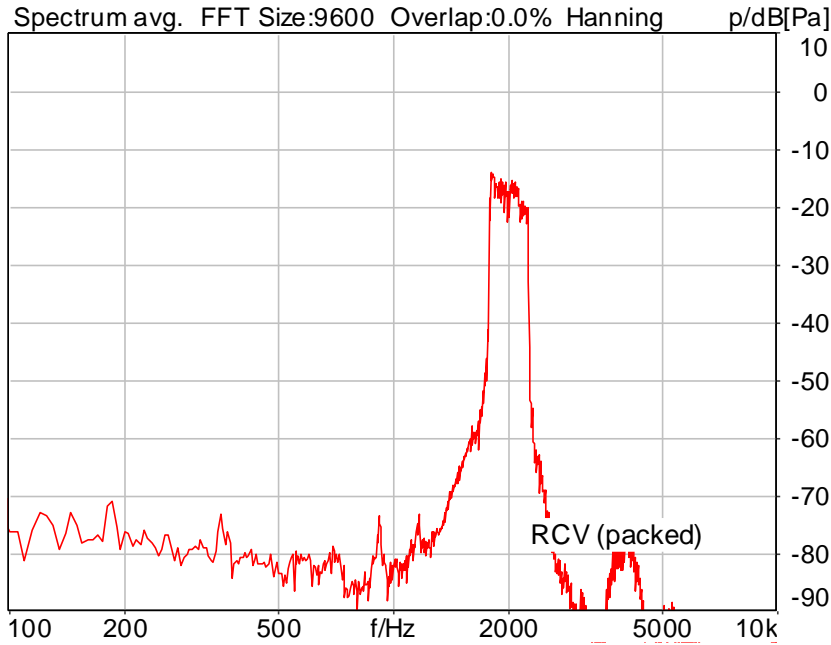
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 29.48 dB (3.36%) Ok

Ok

2024/1/25 下午 05:50　　ACQUA 5.1.200
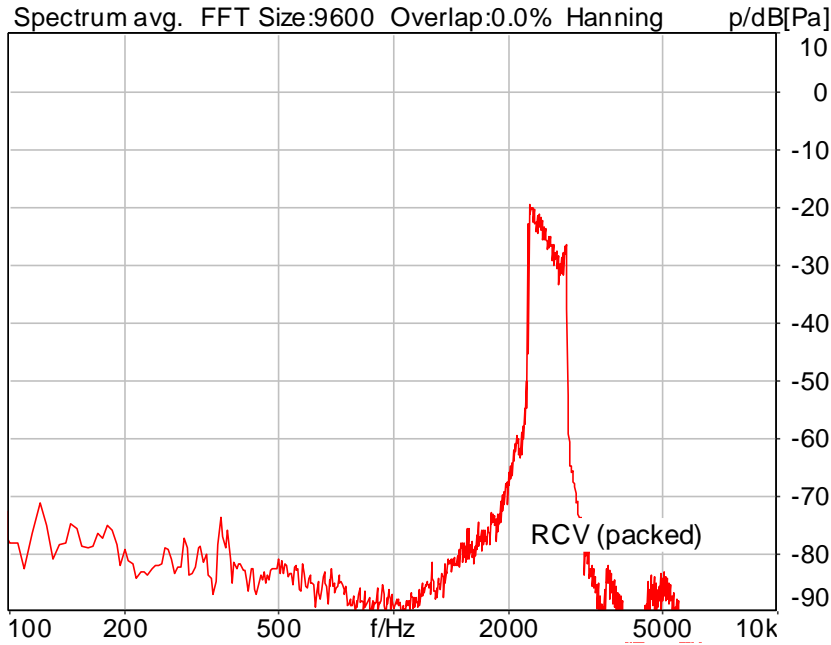
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 39.00 dB (1.12%) Ok

Ok

2024/1/25 下午 05:51   ACQUA 5.1.200
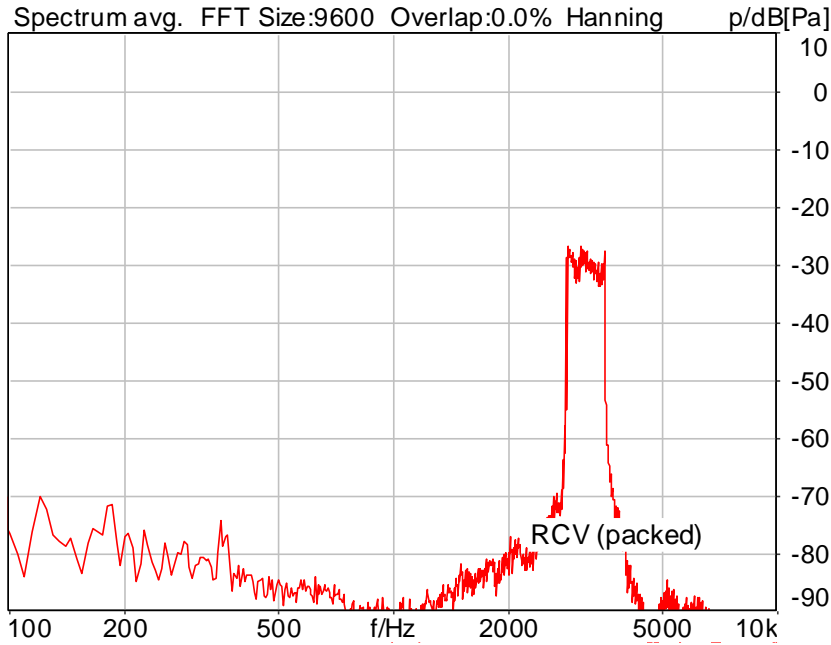
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 39.77 dB (1.03%) Ok

Ok

2024/1/25 下午 05:51   ACQUA 5.1.200
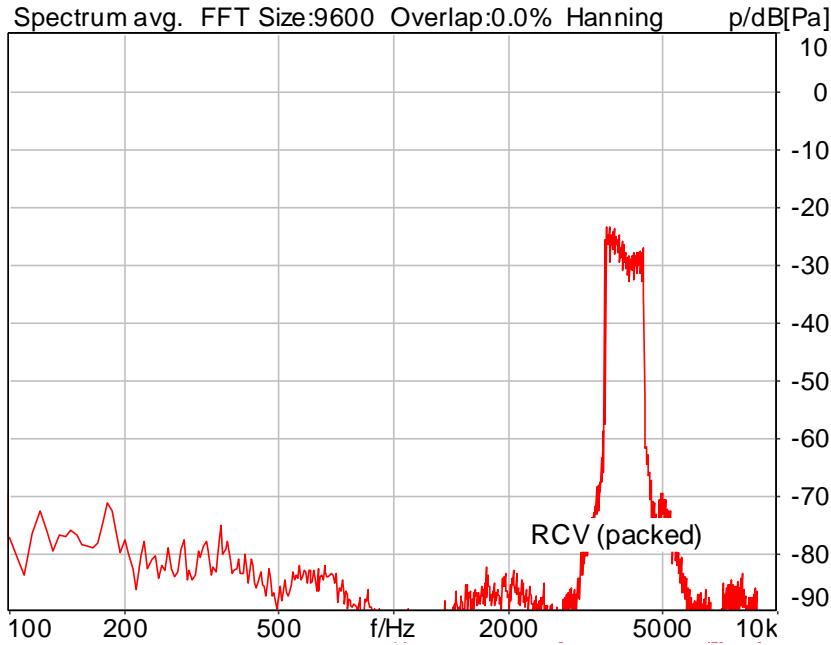
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 38.10 dB (1.24%) Ok

Ok

2024/1/25 下午 05:52   ACQUA 5.1.200
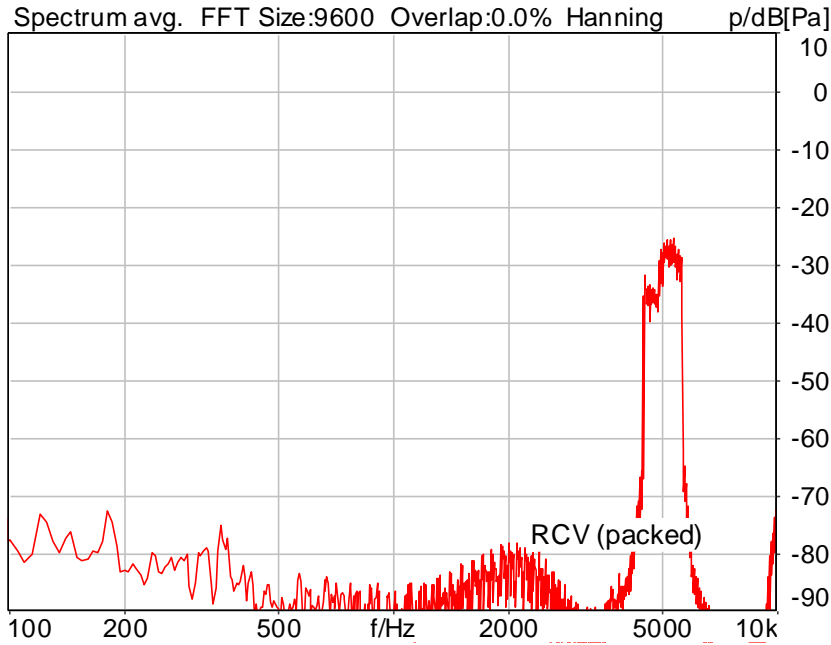
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 38.38 dB (1.21%) Ok

Ok

2024/1/25 下午 05:52   ACQUA 5.1.200
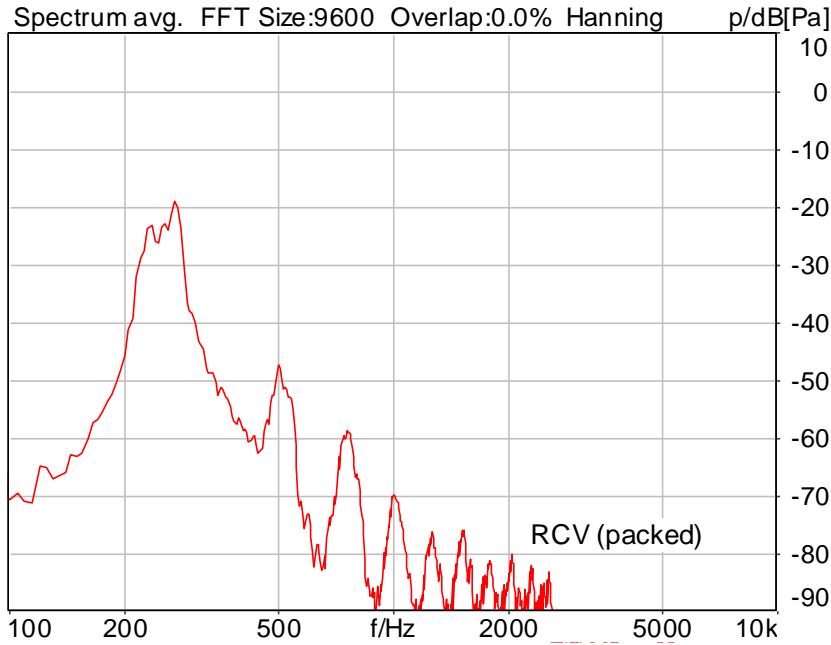
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 39.91 dB (1.01%) Ok

Ok

2024/1/25 下午 05:53   ACQUA 5.1.200

Limits

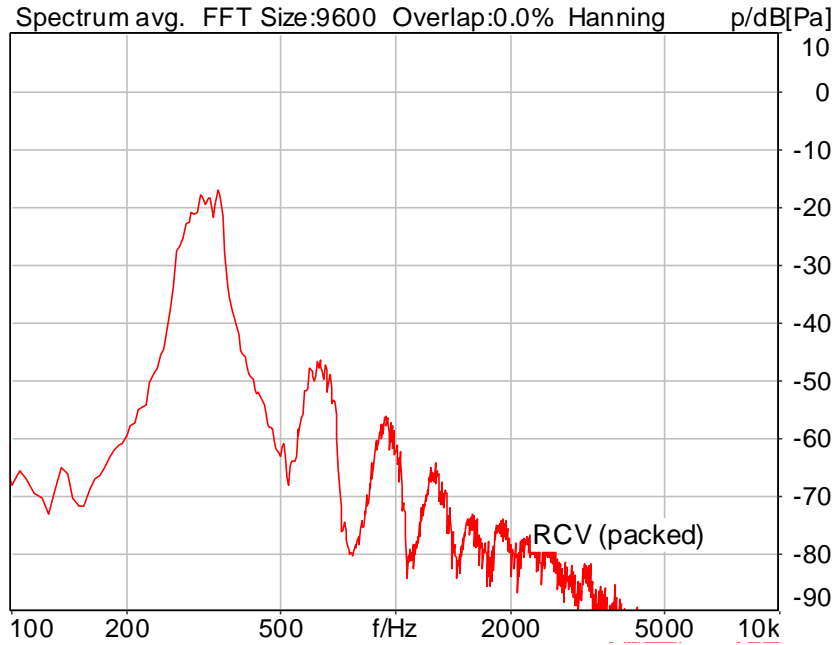|	**lower**
Run 1	20.00 dB

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 43.04 dB (0.70%) Ok

Ok

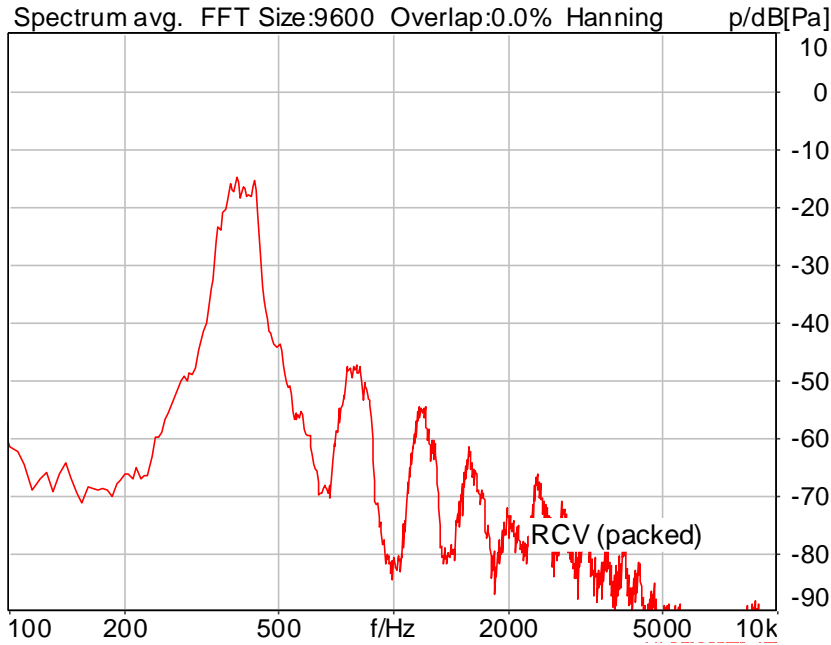2024/1/25 下午 05:53   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.55 dB (4.19%) Ok

Ok

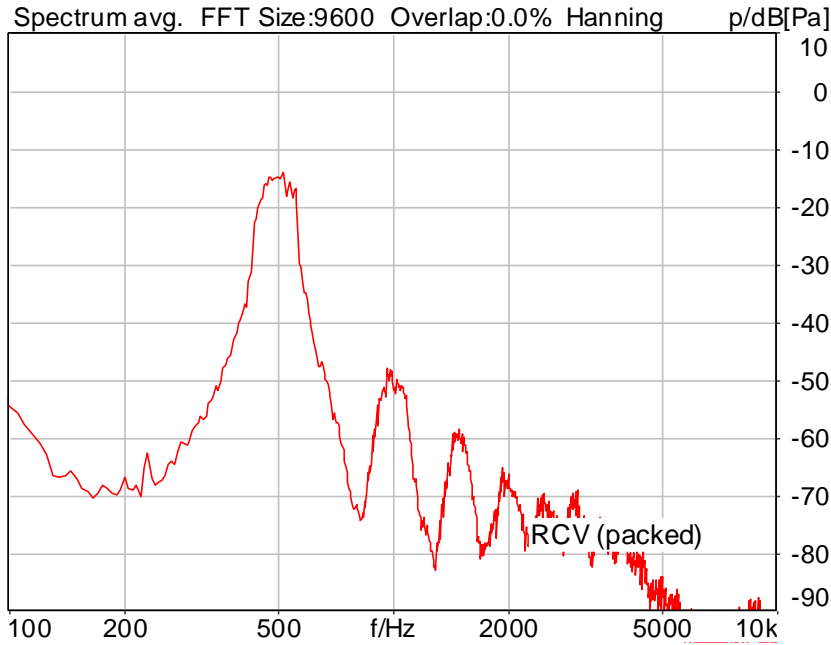2024/1/25 下午 06:08   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.41 dB (4.26%) Ok

Ok

2024/1/25 下午 06:09   ACQUA 5.1.200

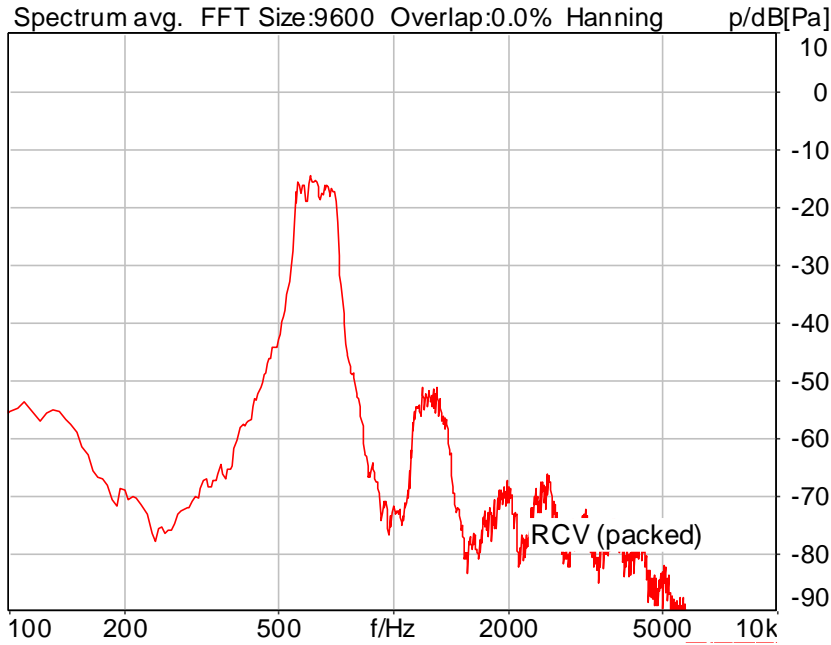**Limits**

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 27.96 dB (4.00%) Ok

Ok

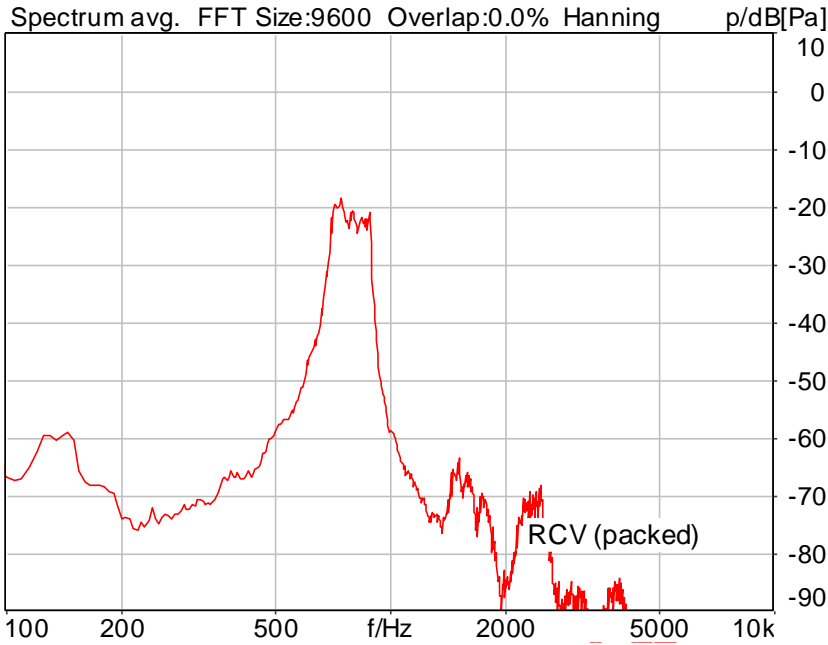2024/1/25 下午 06:09　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.97 dB (4.00%) Ok

Ok

2024/1/25 下午 06:10   ACQUA 5.1.200

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

Distortion (Noise) RCV (packed): 29.67 dB (3.28%) Ok
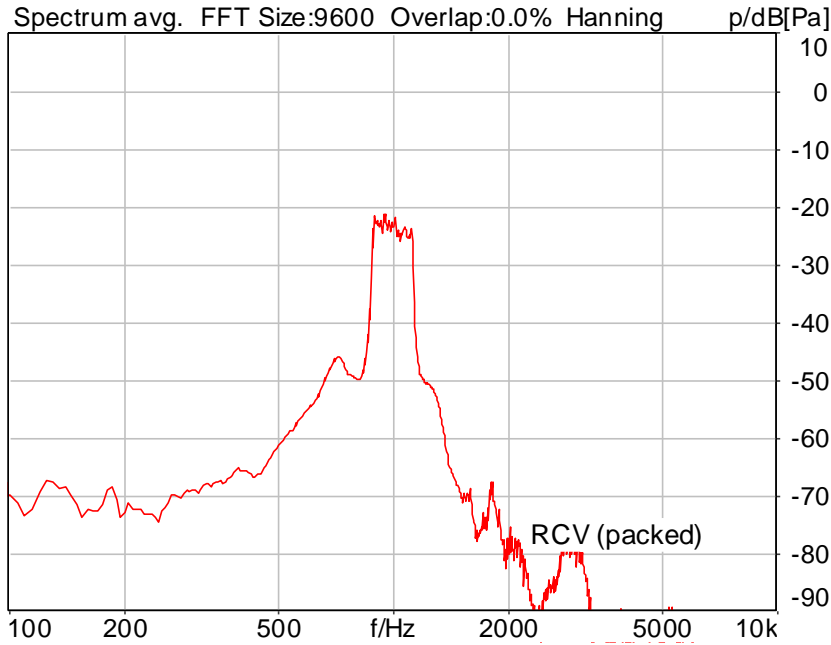
Ok
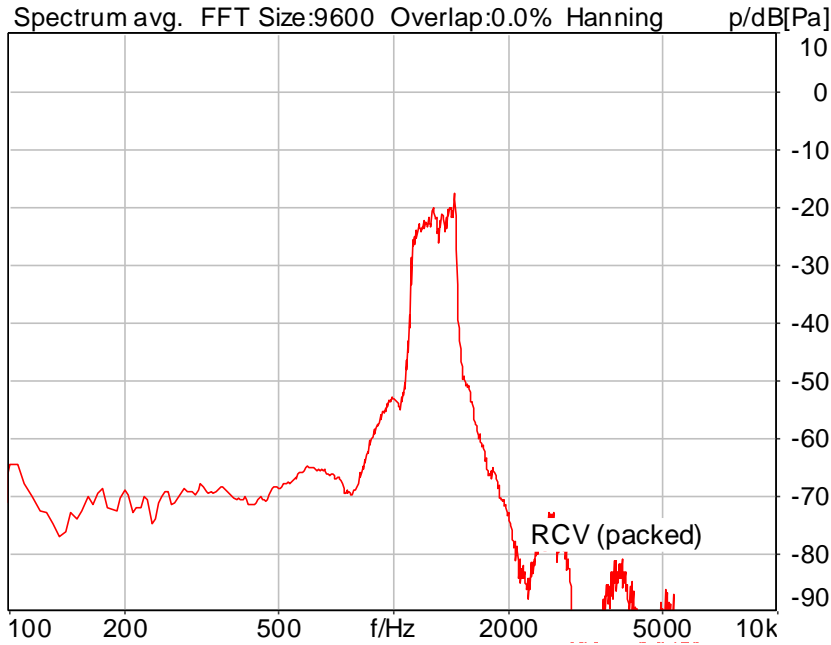
2024/1/25 下午 06:10　　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 25.96 dB (5.03%) Ok

Ok

2024/1/25 下午 06:11   ACQUA 5.1.200
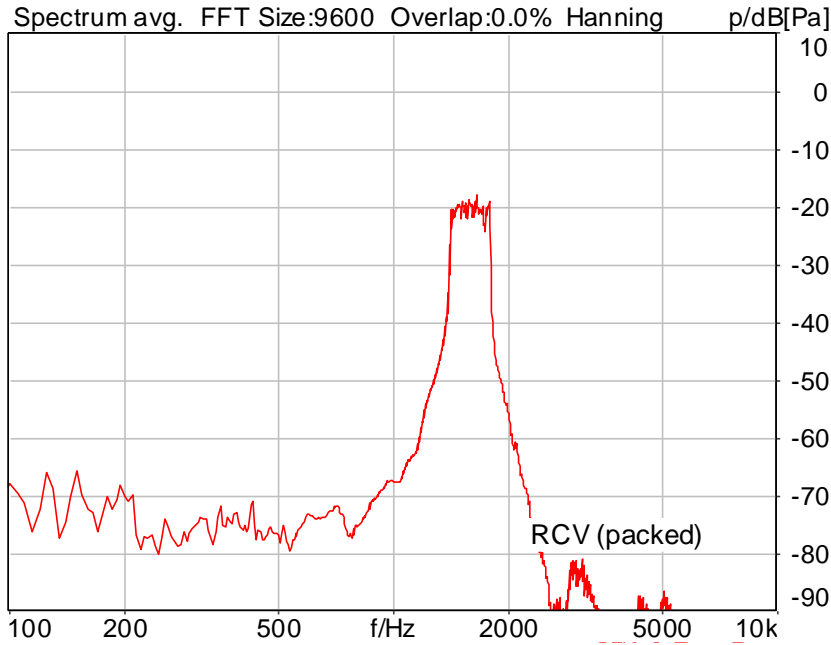
Limits

	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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

Distortion (Noise) RCV (packed): 23.97 dB (6.33%) Ok

Ok

2024/1/25　下午　06:11　　ACQUA 5.1.200
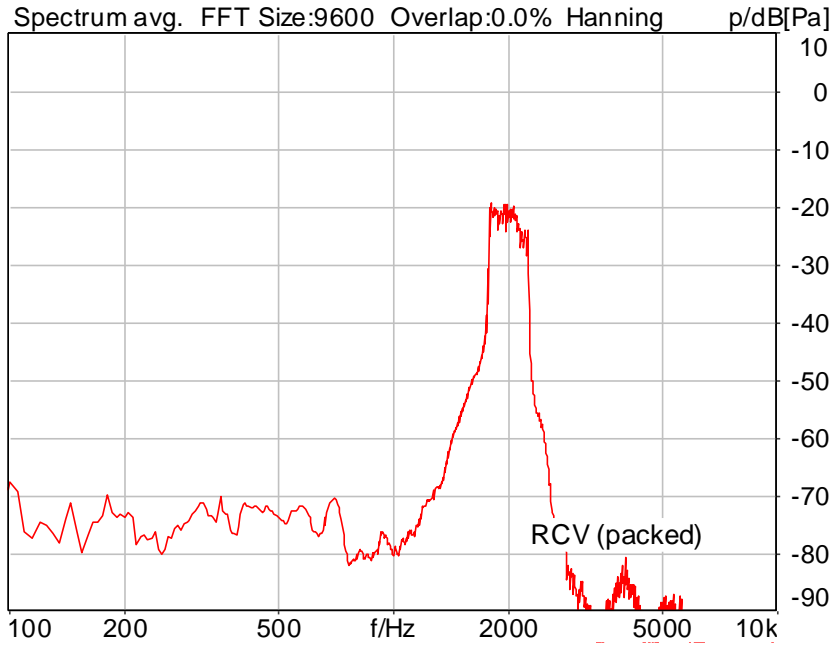
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 20.09 dB (9.90%) Ok

Ok

2024/1/25 下午 06:12   ACQUA 5.1.200
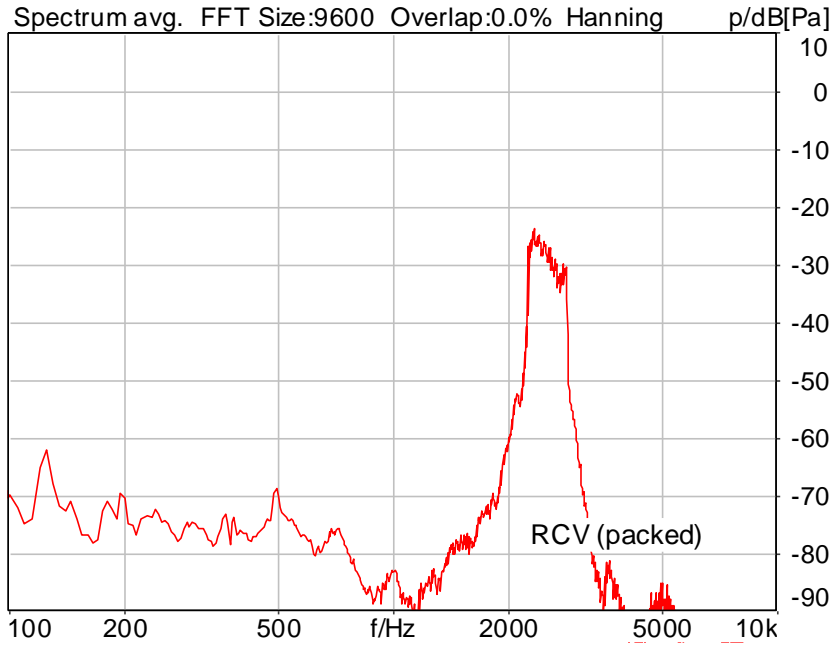
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.78 dB (4.58%) Ok

Ok

2024/1/25 下午 06:12   ACQUA 5.1.200
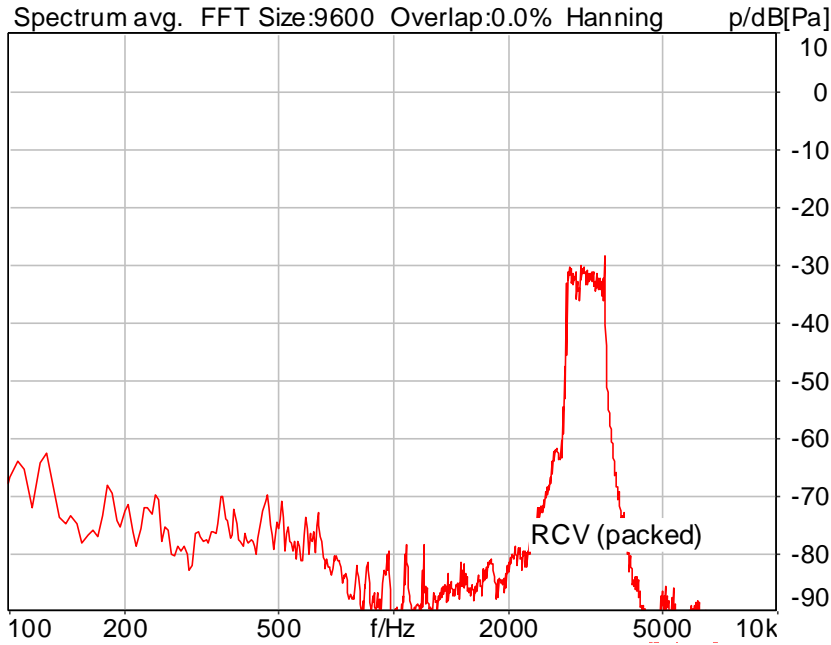
Limits

	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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.85 dB (4.54%) Ok

Ok

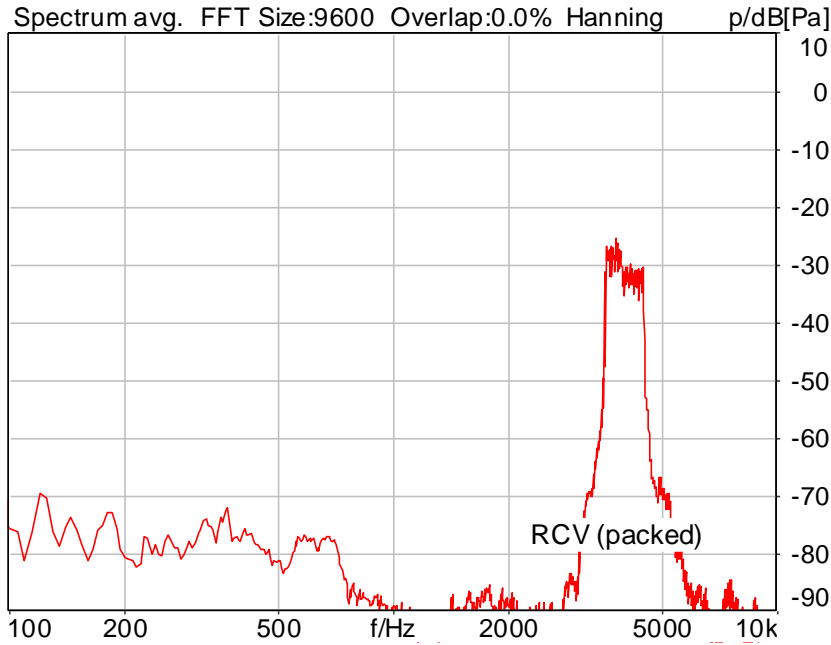2024/1/25 下午 06:13   ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 26.14 dB (4.93%) Ok

Ok

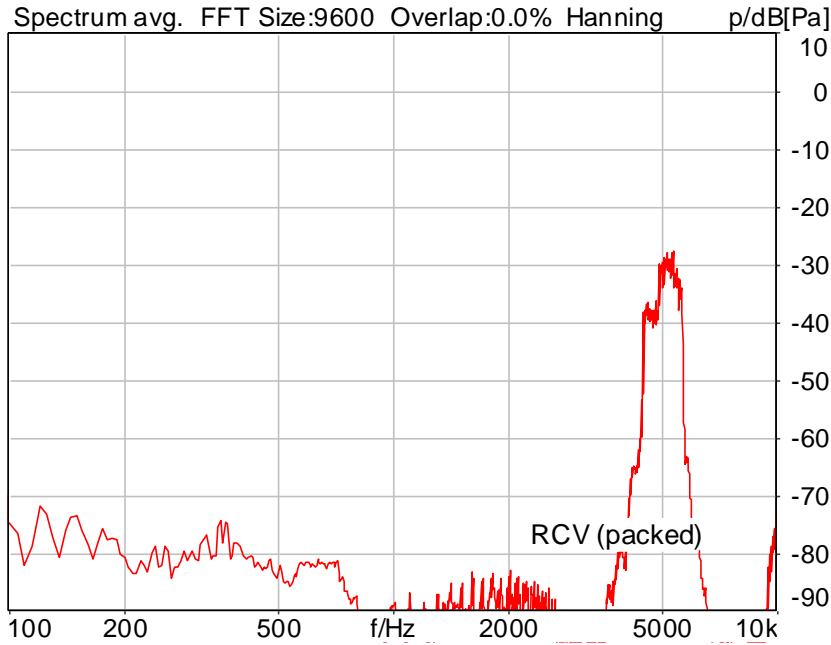2024/1/25　下午　06:13　　ACQUA 5.1.200

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

Spectrum avg. FFT Size:9600 Overlap:0.0% Hanning   p/dB[Pa]

Distortion (Noise) RCV (packed): 27.98 dB (3.99%) Ok

Ok

2024/1/25 下午 06:14   ACQUA 5.1.200

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

Spectrum avg.　FFT Size:9600　Overlap:0.0%　Hanning　　　p/dB[Pa]

RCV (packed)

Distortion (Noise) RCV (packed): 29.72 dB (3.26%) Ok

Ok

2024/1/25 下午 06:14　　ACQUA 5.1.200

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
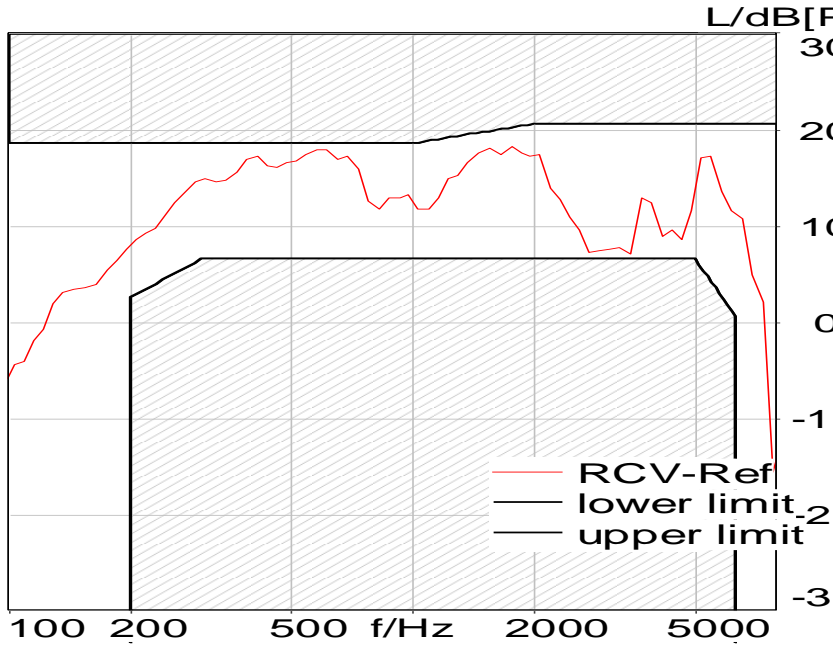

Distortion (Noise) RCV (packed): 32.31 dB (2.42%) Ok

Ok

2024/1/25 下午 06:14   ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

5.3 Frequency Response 8N FF

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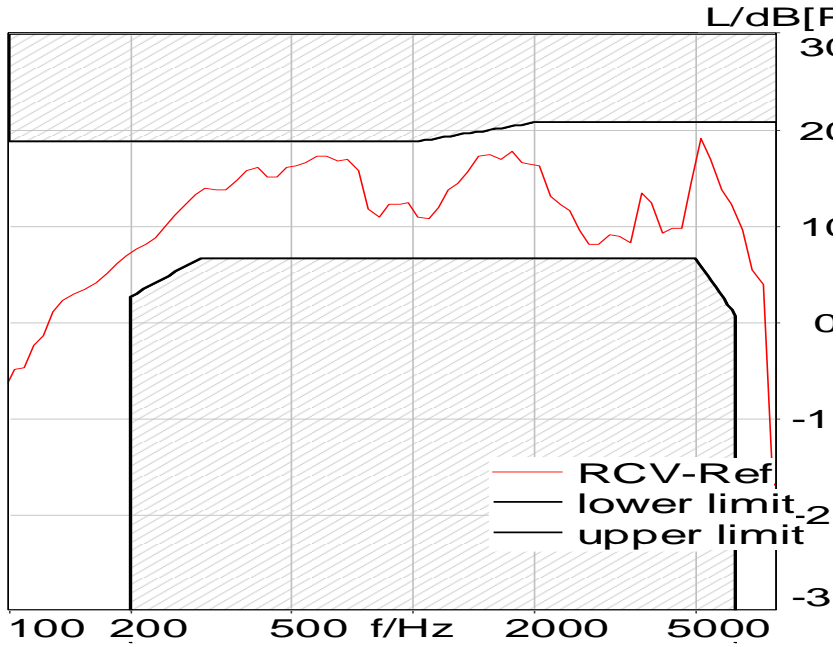

Absolute minimal distance

0.59 dB at 611.7 Hz Ok

Ok

2024/1/25 下午 05:53   ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

5.3 Frequency Response 2N FF

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

Absolute minimal distance

1.41 dB at 576.7 Hz Ok

Ok

2024/1/25 下午 05:54   ACQUA 5.1.200

Limits

	lower
Run 1	Fit into tolerance

Appendix A. Volume Control Evaluation Results

<Evaluation results for KDB 285076 D05 2.b>

#4 GSM 1900 AMR NB 4.75Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	209.9
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.36
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	88.00

Overall Receive Delay NB

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

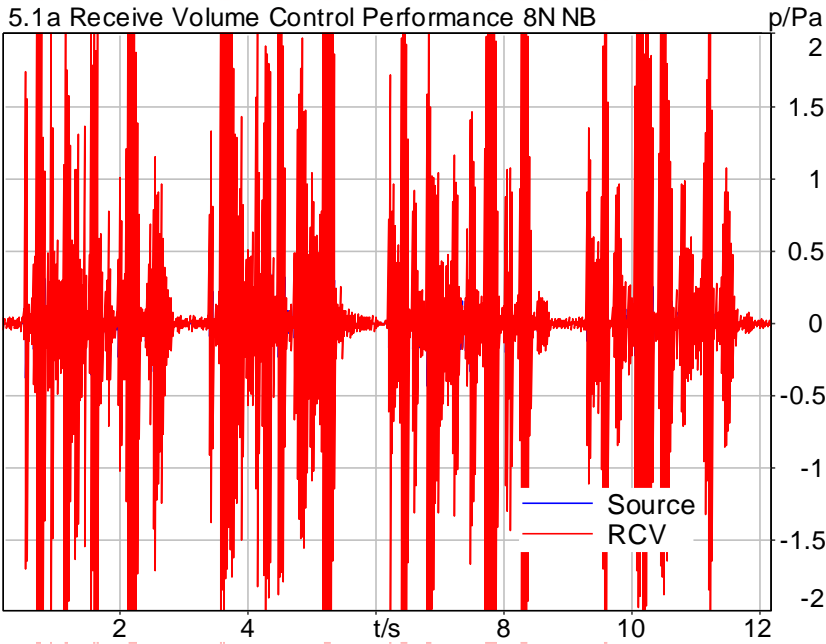Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 209.9 ms

2024/1/19 上午 09:50   ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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

5.1a Receive Volume Control Performance 8N NB

Speech Level RCV: 88.36 dB[SPL], Act.: 53.11% Ok

Ok

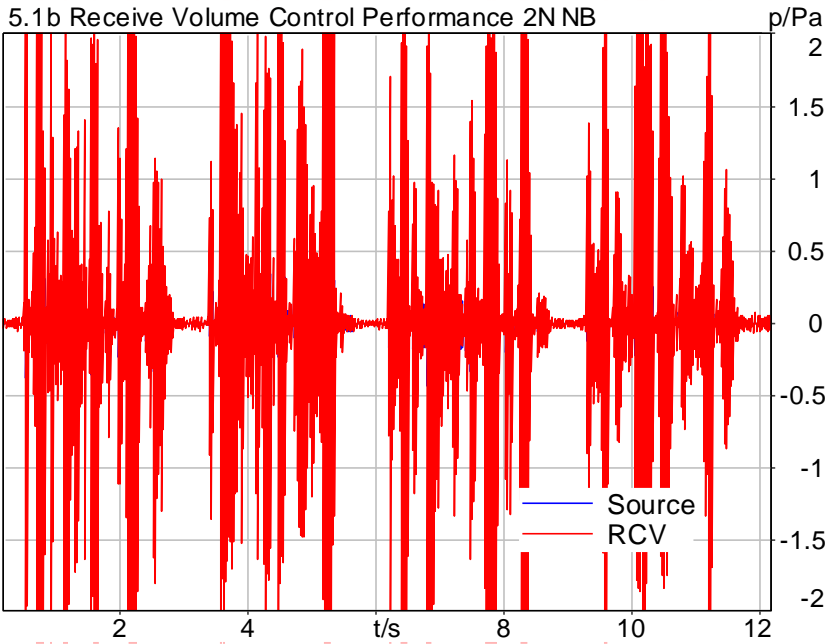2024/1/19 上午 09:50　　ACQUA 5.1.200

Limits

	lower
Run 1	88.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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

5.1b Receive Volume Control Performance 2N NB

Speech Level RCV: 88.00 dB[SPL], Act.: 56.61% Ok

Ok

2024/1/19 上午 09:51   ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa

#5 WCDMA IV AMR NB 12.2Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	199.2
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	87.92
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.21

Overall Receive Delay NB

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

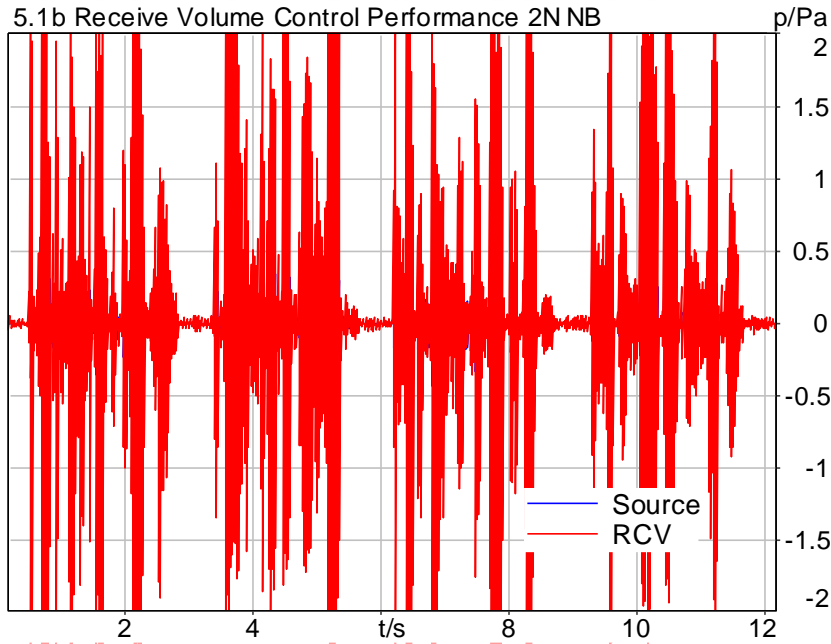Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 199.2 ms

2024/1/19 上午 11:02   ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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

5.1b Receive Volume Control Performance 2N NB

Speech Level RCV: 87.92 dB[SPL], Act.: 58.10% Ok

Ok

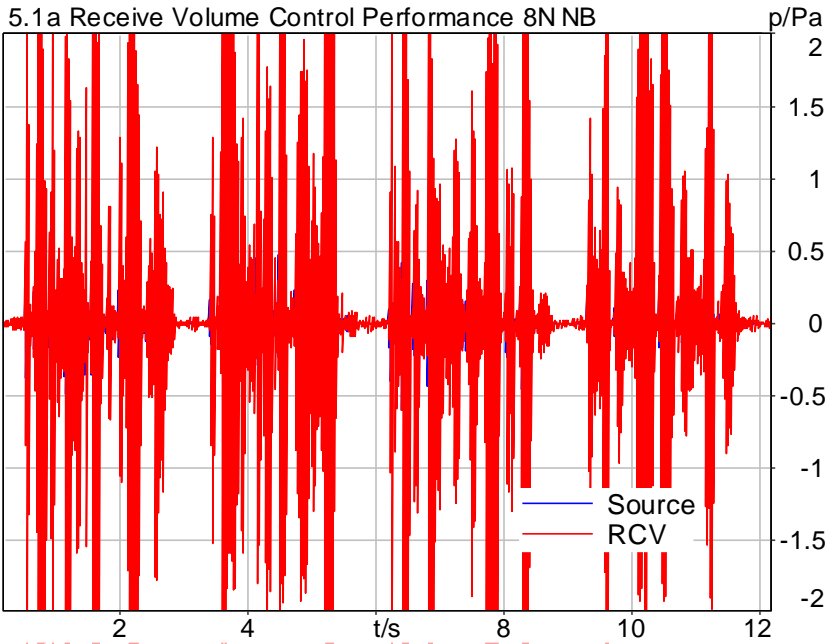2024/1/19 上午 11:02   ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa

5.1a Receive Volume Control Performance 8N NB

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

Speech Level RCV: 88.21 dB[SPL], Act.: 58.72% Ok

Ok

2024/1/19 上午 11:07   ACQUA 5.1.200

Limits

	lower
Run 1	88.00 dB20uPa

#6 LTE B26 EVS NB 5.9Kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	247.1
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	87.15
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	90.53

Overall Receive Delay NB

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

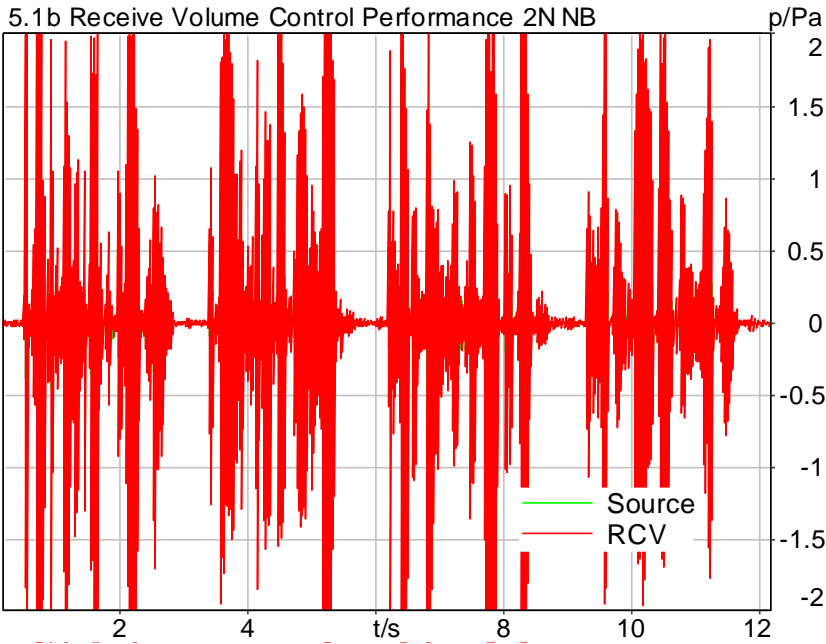Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 247.1 ms

2024/1/18 下午 12:16   ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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

Speech Level RCV: 87.15 dB[SPL], Act.: 50.43% Ok
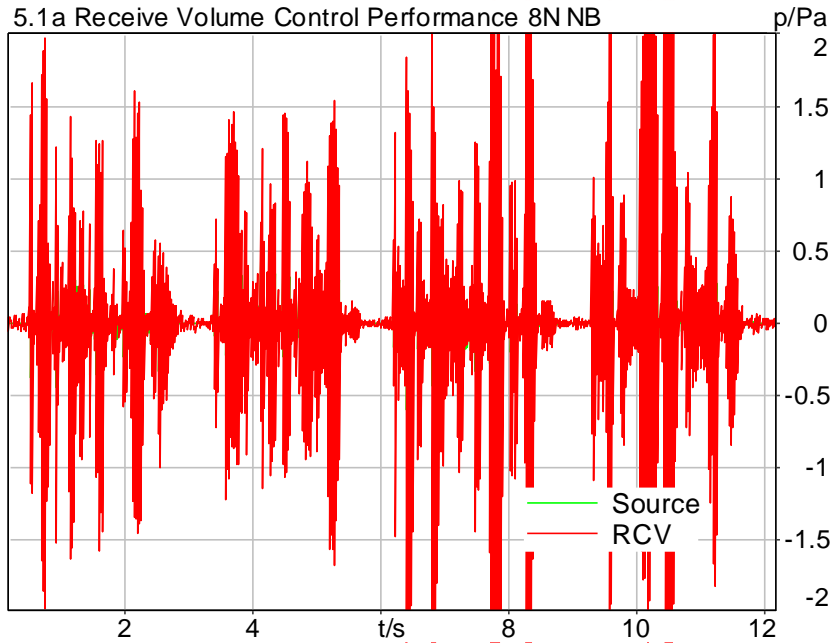
Ok

2024/1/18 下午 12:16   ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa

5.1a Receive Volume Control Performance 8N NB

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

5.1a Receive Volume Control Performance 8N NB

Speech Level RCV: 90.53 dB[SPL], Act.: 22.03% Ok

Ok

2024/1/18 下午 12:25   ACQUA 5.1.200

Limits

	lower
Run 1	88.00 dB20uPa

#7 NR n30 EVS NB 5.9Kbps

Status Overview

SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	207.7
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.66
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	87.41

Overall Receive Delay NB

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

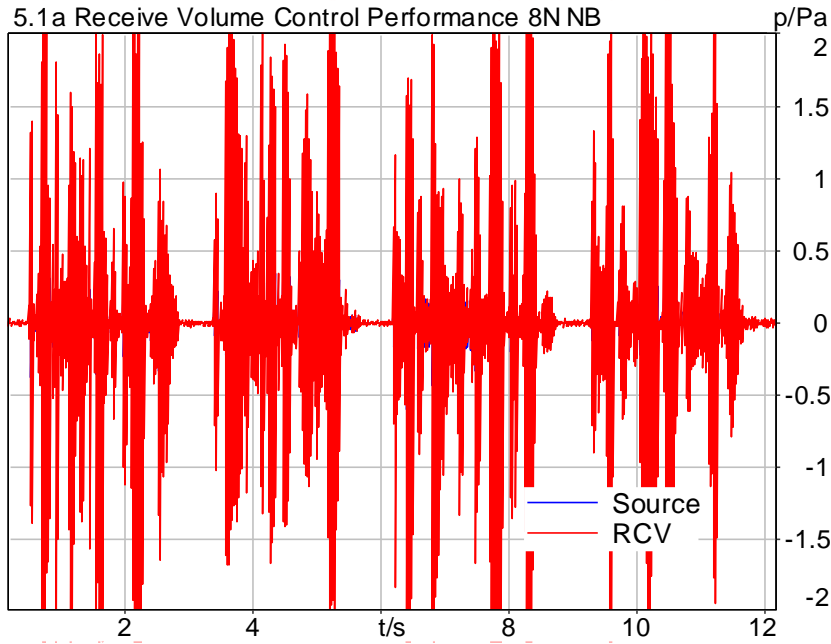Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelor %

Delay (Cross): 207.7 ms

2024/1/28 下午 02:28   ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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

Speech Level RCV: 88.66 dB[SPL], Act.: 34.53% Ok
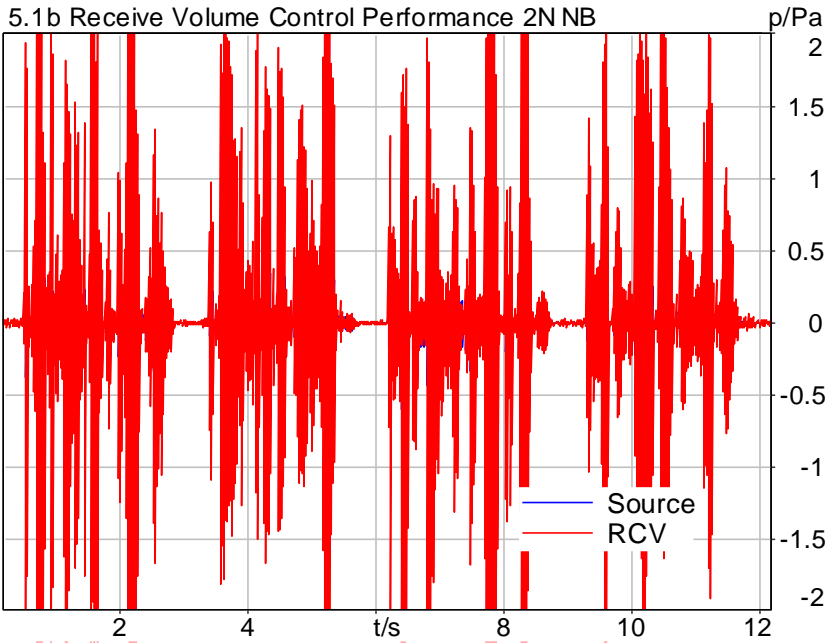
Ok

2024/1/28 下午 02:28   ACQUA 5.1.200

Limits

	lower
Run 1	88.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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

5.1b Receive Volume Control Performance 2N NB

Speech Level RCV: 87.41 dB[SPL], Act.: 52.06% Ok

Ok

2024/1/28 下午 02:29   ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa

#8 WiFi 5GHz EVS WB 5.9kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	218.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.89
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.05

Overall Receive Delay WB

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

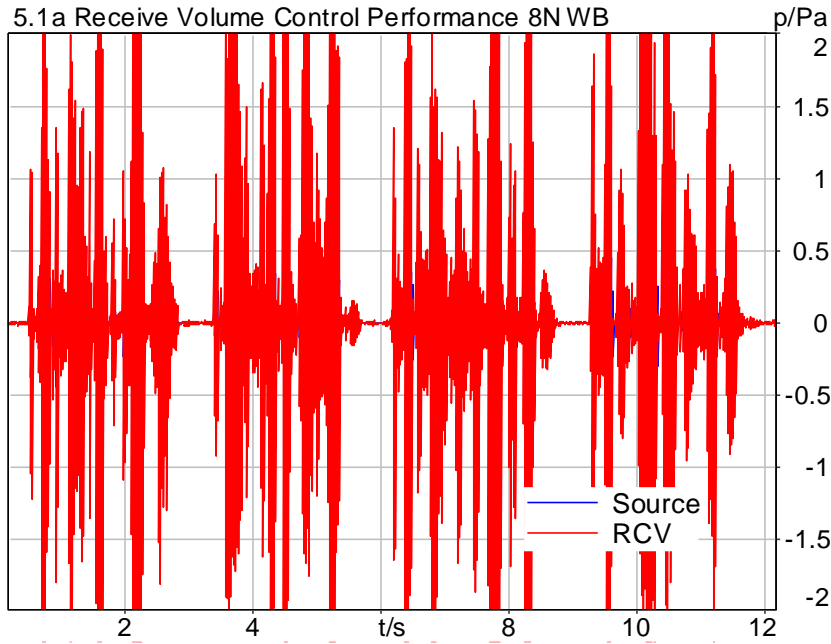Cross correlation avg. FFT Size:131072 Overlap:0.0% Envelop %

Delay (Cross): 218.7 ms

2024/1/25 下午 09:53   ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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

5.1a Receive Volume Control Performance 8N WB

Speech Level RCV: 88.89 dB[SPL], Act.: 51.40% Ok

Ok

2024/1/25 下午 09:54   ACQUA 5.1.200

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

Speech Level RCV: 88.05 dB[SPL], Act.: 35.34% Ok

Ok

2024/1/25 下午 09:57   ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa